SEISMOLOGICAL BULLETIN OF SYOWA STATION, ANTARCTICA, 2014

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1. Introduction

Seismic observations at Syowa Station (69.0°S, 39.6°E), East Antarctica, began in 1959 using a short-period seismometer with a natural period of 1.0 s (Eto, 1962). In 1967, a long-period seismograph was installed, and phase readings of teleseismic events (i.e., the detection of arrival times and amplitudes for significant seismic phases) were reported in near real-time to the United States Geological Survey (USGS) and to the International Seismological Centre (ISC) (Kaminuma *et al.*, 1968). A three-component broadband seismometer (STS-1; Wielandt and Steim, 1986) was installed in 1989, in order to contribute to the Federation of Digital broadband Seismograph Networks (FDSN; http://www.fdsn.org), together with other key stations of the PACIFIC21 Japanese regional network. Figure 1 shows the present-day distribution of FDSN stations in Antarctica.

During 2014, all of the observation systems at Syowa Station were maintained by one of the present authors (T. Masunaga) throughout the wintering season of the 55th Japanese Antarctic Research Expedition (JARE-55). In this report, we introduce the seismic observations made in

2014, and provide scaled read-out travel-time data and a list of detected teleseismic earthquakes. We also provide information on public access to these data via the Internet.

2. Observations

The original seismic observation systems at Syowa Station were replaced with the current recording system (Fig. 2) by one of the present authors (M. Kanao) in 1997 (Kanao, 1999).

2.1. Seismographic hut and seismographs

Seismic observations at Syowa Station have generally been carried out using two types of seismometers. The first is a short-period seismometer (HES) with a 1.0-Hz eigenfrequency of the pendulum, which has been operated since 1967 (Kaminuma *et al.*, 1968). The overall frequency responses and the magnifications of the HES seismographs (Hagiwara, 1958) are shown in Fig. 3. The second is a three-component broadband seismometer (Streckeisen STS-1) with a digital recording system, which has been operating since 1990 (Nagasaka *et al.*, 1992). For this seismometer, the amplitude and phase responses for the velocity output (Broadband; BRB) are shown in Fig. 4 (after Streckeisen and Messegeraete, 1987).

The current seismographic hut was built in 1996, and all of the sensors in the old vault were moved into the new hut in 1997. The new hut is located about 200 m north of the old vault, at WGS84 geodetic coordinates of 69°00′24.0″S, 39°35′06.0″E (20 m above mean sea level). Because the long-period output signals from the broadband seismographs may be affected by variations in temperature and atmospheric conditions, the seismometers were installed in a small, thermally insulated room in the hut. The entire outside surface of the hut is covered by titanium to maintain a constant temperature.

Seismic signals from the HES and STS-1 are transmitted to the Earth Science Laboratory (ESL) via analog cables (600 m in length) through the main buildings of Syowa Station.

2.2. Acquisition system at the Earth Science Laboratory

The three-component analog outputs of HES were digitized at a sampling frequency of 200 Hz by a 24-bit analog-to-digital (A/D) converter, generating triggered signals of 80-Hz and 1-Hz re-sampling data and 20-Hz continuous outputs. The signals of the three-component broadband STS-1 were also digitized to create triggered output of 80-Hz re-sampling data and continuous outputs of 20-, 1-, 0.1-, and 0.01-Hz data. All the waveform data were formatted as a Mini_SEED volume, which is a standard format for data exchange in global seismology. The digitized data were automatically transmitted from the A/D converter to a workstation via TCP/IP protocol. All data were stored on the 40-GB hard disk of the workstation, and then copied onto DAT or 8-mm tape at 3-month intervals. The recording status of the A/D converter was continuously monitored by a personal computer via an RS-232C serial port.

Remote-centering of the mass position for the STS-1 sensors can be carried out by keyboard commands from the computer using 'Kermit' communication software. The reference clock for the new system has been calibrated to Universal Time Coordinated (UTC) by detecting time codes by GPS. Long-term analog-recorders for the HES and BRB output of the STS-1 are operated in ESL. The boom-POSition output (POS) of the STS-1 seismograph is monitored by an RD2212-type analog recorder, together with the temperature in the sensor room.

2.3. Data transmission via INTELSAT

Since 1993, the digital waveforms of both broadband and short-period seismographs have been transmitted from Syowa Station to the National Institute of Polar Research (NIPR) via an INMARSAT telecommunication link. Waveform data transmission was greatly improved by using an INTELSAT communication link, established in February 2004. During the 2014 winter season, continuous data of both HES and STS-1 (sampling frequency of 20 Hz) were automatically transmitted to NIPR once a day from the acquisition workstation, using the UUCP protocol for data transfer.

In addition to remote monitoring of the data acquisition system from NIPR, Internet access to the Syowa facilities has improved markedly since 2005, with the development of the INTELSAT system.

3. Data

By using the waveform data transmitted via INTELSAT, arrival-time information of major seismic phases (herein termed 'read-out data') is regularly sent from NIPR to USGS/NEIC (National Earthquake Information Center) via email, to contribute to the weekly and monthly Preliminary Determination for Epicenters (PDE) bulletins. The Quick Earthquake Determination (QED) services offered by NEIC are used to identify the seismograms of teleseismic events. This report lists the arrival-time data and corresponding hypocentral data of teleseismic events recorded during 2014. The phase arrival-times of teleseismic events are detected on short-period digital monitoring seismograms. Most phases were scaled on the vertical component; only clear phases of shear waves were scaled on the horizontal components. These phases were identified by comparing the observed travel-time with the calculated time within a time difference of 3 s. The phases identified as *P*- and *S*-waves are listed in Table 1. The phase *K* denotes the *PKP* phase, which can be identified within a time difference of 3 s by comparing the observed travel-time with the calculated time. *X* denotes a clear phase whose wave type can be identified but for which the observed travel time was within 3–10 s of the calculated time. The symbols *E* and *I* in the phase column denote emergent and sharp onsets, respectively. The initial ground motion is denoted by + for upward motion and by - for downward motion. Arrival time is given in UTC and the accuracy of the read-out data is 0.2 s. The teleseismic events identified in the PDE are indicated by serial numbers (#-xxx) in the table. These serial numbers correspond to those in the list of hypocentral parameters in Table 2. Events without serial numbers are teleseisms whose locations have not been determined by NEIC. Figure 5 shows the hypocenters of the teleseismic events whose initial phases were detected at Syowa Station.

4. Publication

The seismic waveform data, which are continuously transmitted to NIPR and stored in the data library server, are accessible upon request via the Internet and/or by UNIX-formatted media (CD-R, DAT, etc.). The present authors hereby grant permission for the use of these data in scientific publications. All kinds of archived seismic data (e.g., arrival times, hypocenters, analog and digital waveform data, and related document reports) recorded at Syowa Station have been accumulated and are available from the data library server (POLARIS; URL: http://polaris.nipr.ac.jp/~pseis/syowa). These data can be accessed by using the 'ftp' command with a password. If you are interested in using these data for scientific research, please contact *kanao [at] nipr.ac.jp* for information on availability of the data.

Archived data (i.e., data collected more than 2 years ago) are stored and are freely available from both the NIPR ftp site and from the PACIFIC21 center of the Japan Marine Science and Technology Agency. Any questions concerning data availability from PACIFIC21 should be directed to *y-ishihara [at] jamstec.go.jp.*

5. Data-Processing Staff

The seismic observation system at Syowa Station was designed by M. Kanao of NIPR. The authors express their sincere thanks to Ms. A. Ibaraki of NIPR for her efforts in scaling the seismic data. Information on data access is available at http://polaris.nipr.ac.jp/~pseis/syowa.

References

Eto, T. (1962): On the electromagnetic seismographs at Syowa Base, Antarctica. Nankyoku Shiryô (Antarct. Rec.), **14**, 1168–1170.

Hagiwara, T. (1958): A note on the theory of the electromagnetic seismograph. Bull. Earthquake Res. Inst., **36**, 139–164. http://hdl.handle.net/2261/11911.

Kaminuma, K., Eto, T. and Yoshida, M. (1968): Seismological observation at Syowa Station, Antarctica. Nankyoku Shiryô (Antarct. Rec.), **33**, 65–70 (in Japanese with English abstract).

Kanao, M. (1999): Seismological bulletin of Syowa Station, Antarctica, 1997. JARE Data Rep., **236** (Seismology **33**), 65 p.

Nagasaka, K., Kaminuma, K. and Shibuya, K. (1992): Seismological observations by a three-component broadband digital seismograph at Syowa Station, Antarctica. Recent Progress in Antarctic Earth Science, ed. by Y. Yoshida *et al.* Tokyo, Terra Sci. Publ., 595–601. (TERRAPUB e-Library) http://www.terrapub.co.jp/e-library/aes/pdf/RP0595.PDF.

Streckeisen, G. and Messegeraete, A. G. (1987): Very-broad-band Feedback Seismometers STS-1V/VBB and STS-1H/VBB Manual. 34–35.

Wielandt, E. and Steim, J. M. (1986): A digital very-broad-band seismograph. Ann. Geophys., **4**, Ser. B, 227–232.

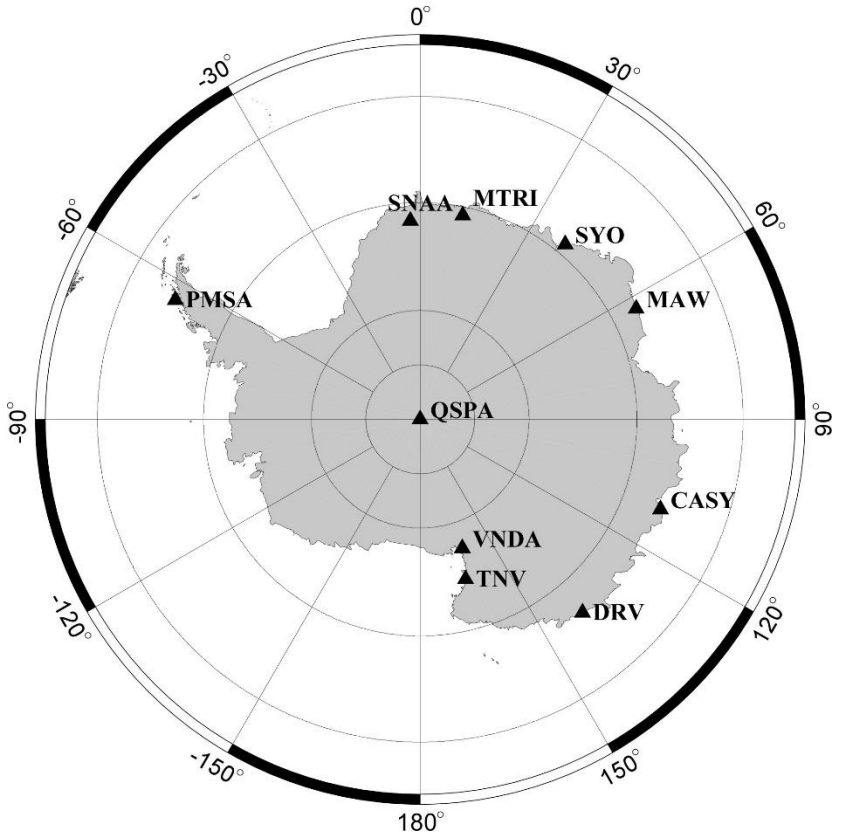

Fig. 1. Distribution of FDSN stations on the Antarctic continent in 2015. Syowa (SYO), Mawson (MAW), Casey (CASY), Dumont d'Urville (DRV), Terra Nova Bay (TNV), Vanda (VNDA), South Pole (QSPA), Palmer (PMSA), Sanae (SNAA), Maitri (MTRI).

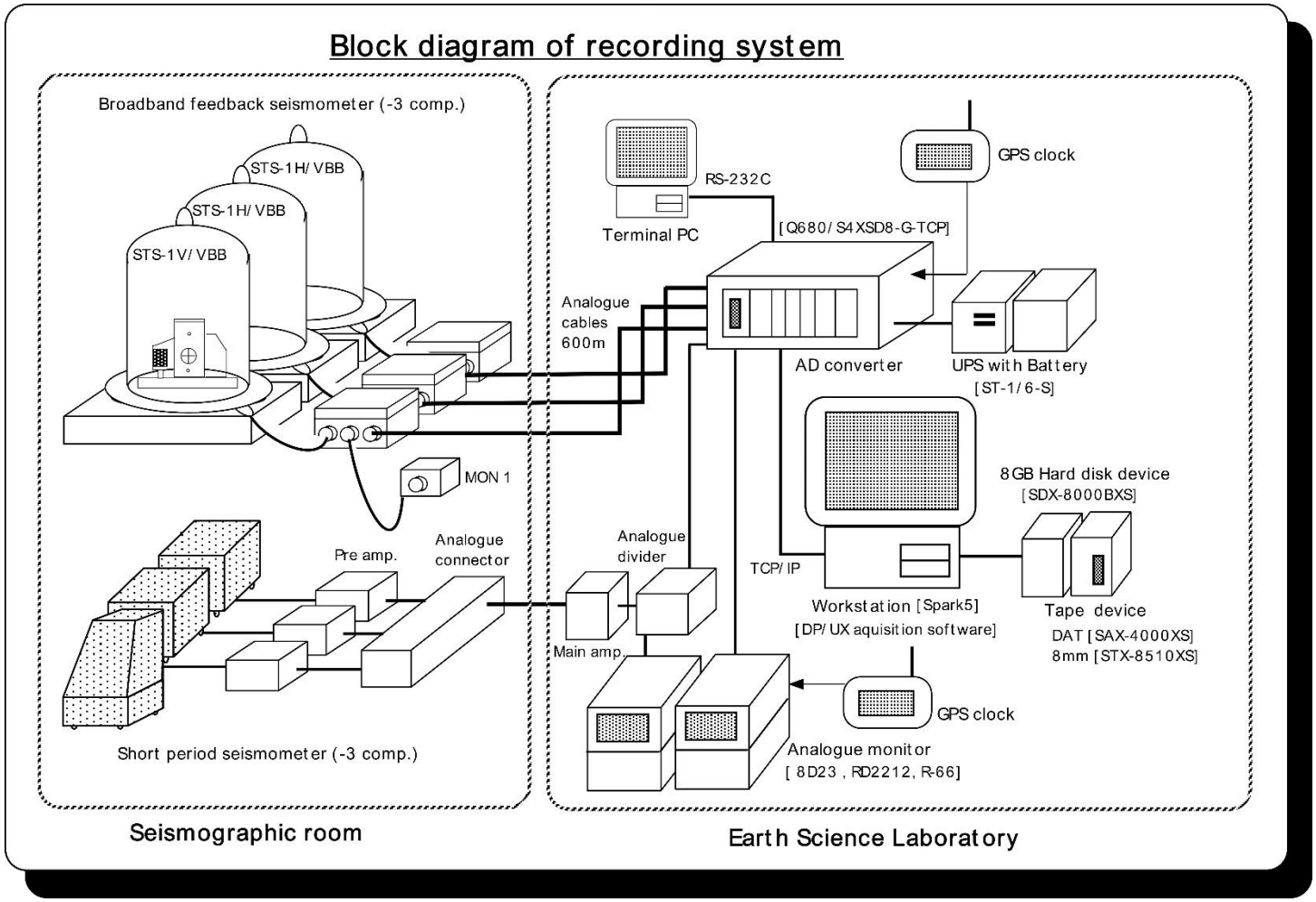

Fig. 2. Block diagram of new recording system for the STS and HES seismographs at Syowa Station. Left figure: Seismographic room; Right figure: Earth Science Laboratory.

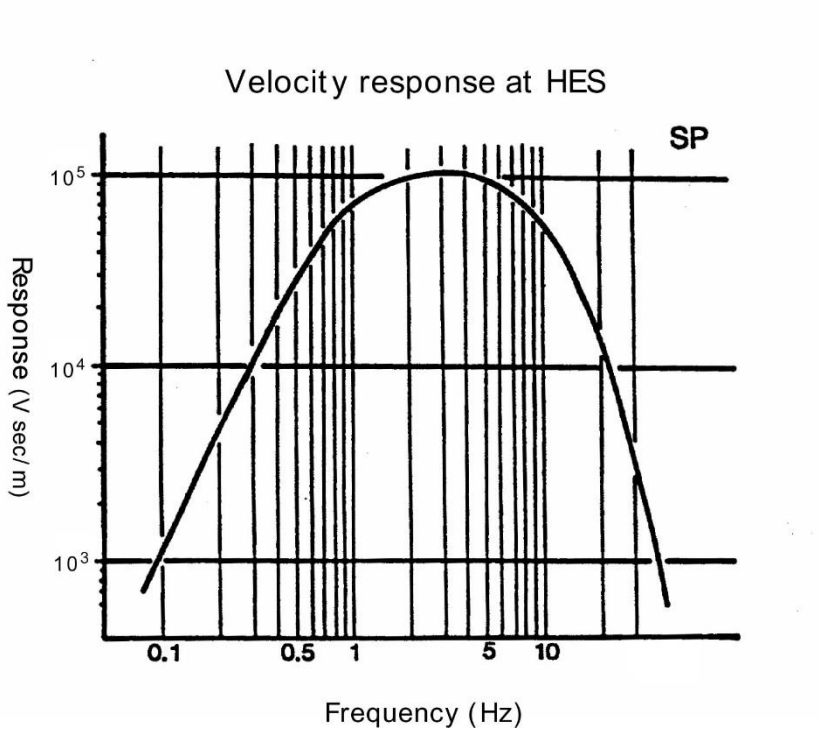

Fig. 3. Over-all frequency responses of the HES seismographs. (Modified after Hagiwara, 1958).

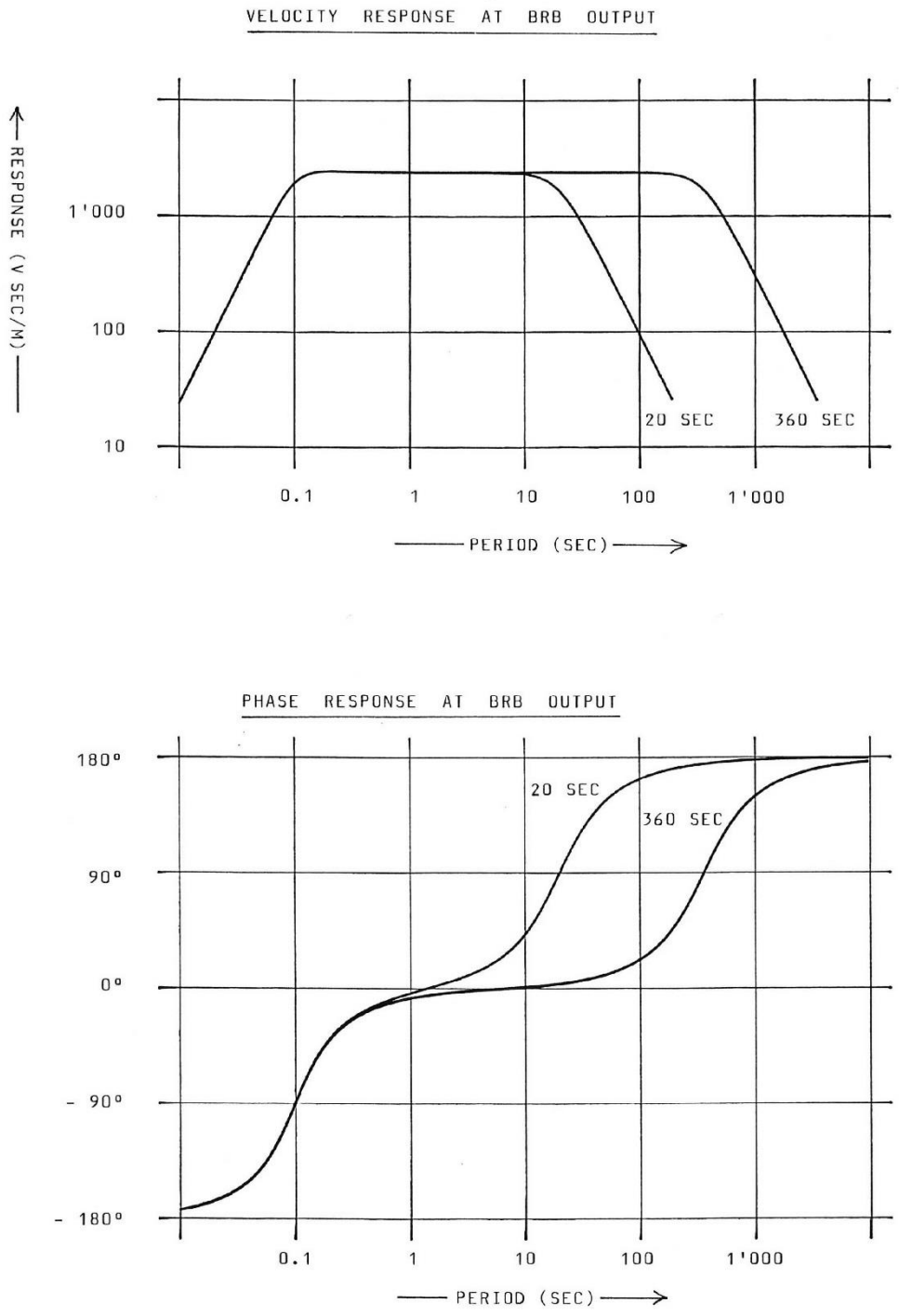

Fig. 4. Amplitude responses (upper figure) and phase responses (lower figure) for the velocity (BRB) output of the broadband seismograph (STS) in the two distinct signal modes of 20-s and 360-s (after Streckeisen and Messegeraete, 1987).

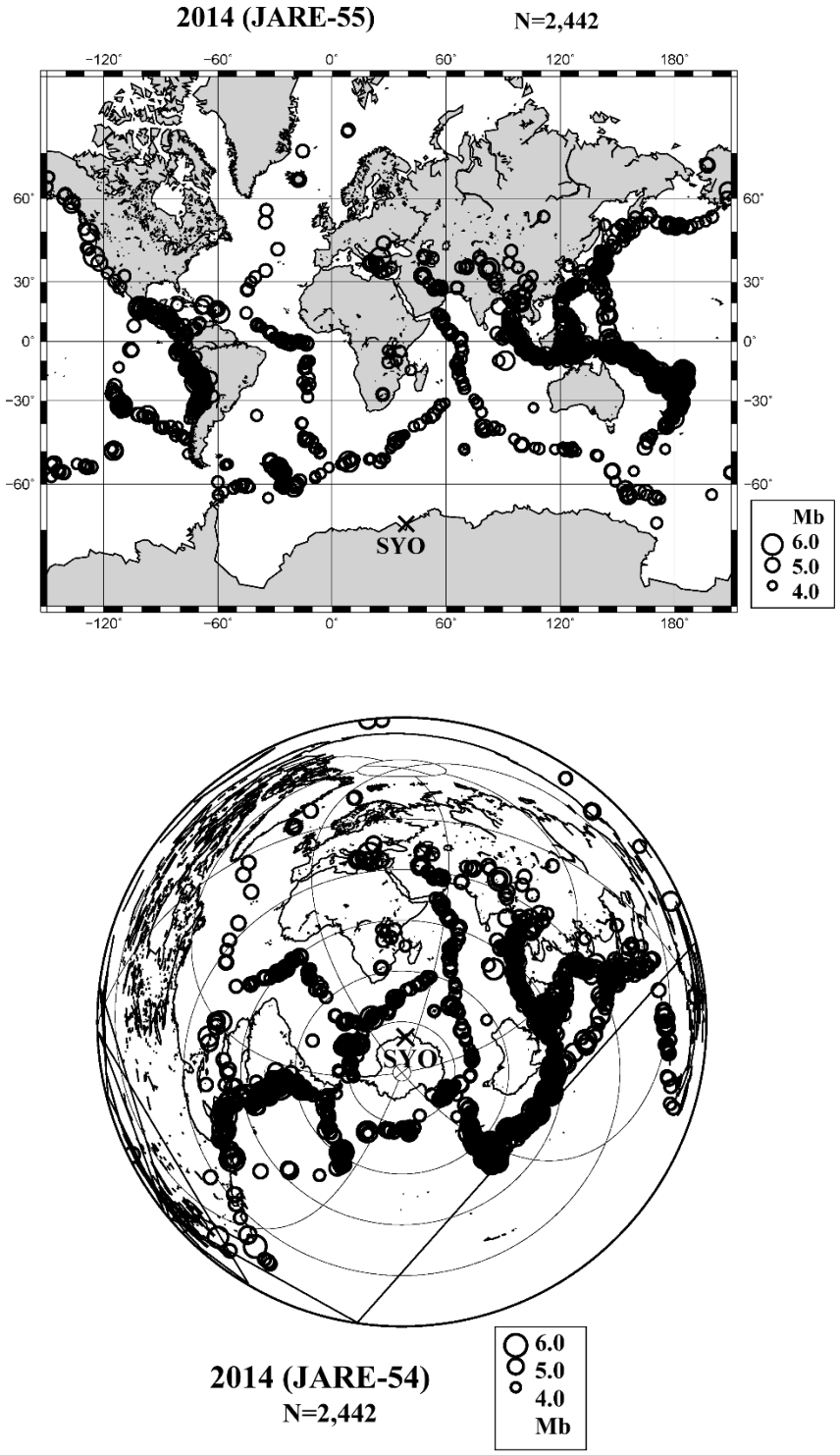

Fig. 5. Epicenters of the 2,442 earthquakes recorded at Syowa Station. The sizes of earthquake circles are proportional to the body-wave magnitude (Mb) determined by the National Earthquake Information Center (NEIC) (upper: Mercator Projection, lower: Azimuthal Equidistant Projection).

Table1. List of phase arrival-time data in 2014.

Date	Phase	Time H	M	S	Remarks
Jan. 1	+EPZ	0018		15.8	
1	-EPZ	0018		25.0	
1	+EPZ	0624		33.5	
1	-IPZ	0725		35.0	
1	+EPZ	0804		10.0	
1	+EPZ	0804		23.2	
1	-EPZ	1405		10.5	
1	+IPZ	1434		20.0	#-1
1	+EpPZ	1434		36.4	#-1
1	+EPZ	1530		27.6	#-2
1	-IPZ	1616		3.2	#-3
1	-IPcPZ	1616		6.0	#-3
1	+EPZ	1625		32.0	
1	+EPZ	1718		3.4	
1	+EPZ	2126		3.0	
1	+EPZ	2126		5.0	
1	+EPZ	2246		26.0	#-4
2	+EPZ	0049		10.9	
2	+EPZ	0112		17.0	
2	-EPZ	0327		25.4	#-5
2	+IpPZ	0327		28.0	#-5
2	+IpPnZ	0459		31.1	#-6
2	+EPZ	0604		26.0	
2	+EPZ	0656		40.8	
2	-EPZ	0656		44.6	
2	+EPZ	1012		18.6	
2	+EXZ	1047		30.0	#-7
2	-EXZ	1444		10.2	#-8
2	+EPZ	1525		44.5	
2	-EPZ	1604		39.0	
2	+EXZ	1916		38.8	#-9
2	+IpPdiffZ	1945		4.7	#-10
2	+EPKiKPZ	1949		16.3	#-10
2	-EPZ	2108		18.8	
2	+EPZ	2244		27.3	
2	-IXZ	2250		19.6	#-11
3	-EPZ	0246		35.4	
3	+IPZ	0312		36.0	
3	+EPZ	0513		32.0	
3	-EPnZ	0515		50.0	#-12
3	+EXZ	0516		0.2	#-12
3	+EPZ	0815		26.0	
3	+EPZ	0815		29.0	
3	+EPZ	0832		26.8	#-13
3	+EPZ	0925		25.7	#-14
3	+EPZ	0939		2.0	
3	+EPZ	0939		4.0	
3	+EPZ	1309		37.0	
3	+EPZ	1319		9.0	#-15
3	+EPcPZ	1319		11.4	#-15
3	-EPZ	1727		30.0	
3	+EPZ	1727		37.0	
3	+EPZ	1845		25.0	
3	+EPZ	1934		15.6	#-16
3	+EXZ	1934		40.0	#-16
3	-EPZ	2047		7.2	#-17
3	-EpPZ	2047		27.5	#-17
3	+IPZ	2117		9.8	
3	+EPZ	2206		14.0	
3	+EPZ	2307		7.4	
4	-IXZ	0023		44.4	#-18
4	-EpPZ	0023		51.0	#-18
4	+EPZ	0211		33.2	#-19
4	+EsPZ	0211		38.4	#-19
4	+EsPZ	0311		54.0	#-20
4	+EPPZ	0315		29.7	#-20
4	-IPKPdfZ	0542		4.0	#-21
4	-EPKiKPZ	0542		7.0	#-21
4	+EPZ	0746		26.8	
4	-EPZ	1326		39.0	
4	+EPZ	1540		18.0	
4	+EPZ	1540		24.5	
4	+EPZ	1702		7.8	
4	-EPZ	1702		8.6	
4	+EPZ	1809		33.0	#-22
4	+EPZ	1915		22.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
4	+EPZ	1954	29.5	
4	+EPZ	2012	23.4	
4	+EPZ	2012	26.6	
5	+EPZ	0349	26.0	
5	+EPZ	0349	33.0	
5	+EpPdiffZ	0350	46.0	#-23
5	+EPZ	0448	38.6	
5	-EPZ	0617	21.8	
5	-EPZ	1006	11.0	
5	+EPZ	1042	33.0	
5	+EPZ	1042	36.5	
5	+EPZ	1143	51.4	#-24
5	-EPcPZ	1144	4.2	#-24
5	+IPZ	1157	16.0	#-25
5	-EPcPZ	1157	18.0	#-25
5	+EPZ	1221	21.2	
5	+IPZ	1454	35.0	#-26
5	-EPcPZ	1454	37.4	#-26
5	-EpPZ	1454	53.0	#-26
5	-EPZ	1807	2.4	
5	+EPZ	1807	8.8	
5	+EPZ	1902	28.2	#-27
5	+EPcPZ	1902	34.8	#-27
5	-EPZ	2141	55.3	#-28
5	-EPcPZ	2142	2.2	#-28
5	+IpPZ	2142	6.0	#-28
5	-EPZ	2201	45.6	
5	+EPZ	2311	32.0	
6	+EXZ	0121	34.7	#-29
6	+EPZ	0137	37.9	#-30
6	-EPcPZ	0137	41.0	#-30
6	+EpPZ	0137	44.6	#-30
6	+EPZ	0244	13.0	
6	-EPZ	0410	56.2	#-31
6	+IpPZ	0410	1.0	#-31
6	+EPZ	0509	24.4	
6	+IPZ	0509	26.8	
6	-EPZ	0604	41.4	#-32
6	-EPcPZ	0604	53.0	#-32
6	+EPZ	0808	5.6	#-33
6	+EpPZ	0808	10.6	#-33
6	+EsPZ	0808	12.4	#-33
6	+EPZ	0918	3.0	
6	+EPZ	0918	14.7	#-34
6	+EpPZ	0918	25.6	#-34
6	-EPZ	1117	35.4	
6	+EPZ	1313	47.0	
6	-IPZ	1313	52.0	
6	-IPZ	1314	4.6	
6	+EPZ	1512	4.6	
6	+EPZ	1512	16.0	
6	+EsPZ	1614	22.8	#-35
6	+EPZ	1635	4.4	#-36
6	+EPcPZ	1635	12.0	#-36
6	+EXZ	1656	6.0	#-37
6	-EPZ	1656	13.8	#-37
6	+EPZ	1707	29.2	#-38
6	+EpPZ	1707	32.0	#-38
6	+EPZ	1717	10.0	
6	+EXZ	1903	43.2	#-39
6	+EPZ	1926	31.0	
6	+EPZ	1926	40.0	
6	+EXZ	2019	14.0	#-40
6	-EPZ	2108	4.2	
6	+EPZ	2207	29.0	
6	-EPZ	2324	52.0	
7	+EPZ	0049	13.0	
7	-EPZ	0248	20.2	
7	-EPZ	0312	5.0	
7	-EPZ	0514	32.0	
7	+EPZ	0355	4.0	#-41
7	-IPcPZ	0355	8.0	#-41
7	+IpPZ	0355	28.1	#-41
7	-EsPZ	0355	39.4	#-41
7	+EPZ	0417	49.0	#-42
7	-EpPZ	0418	6.2	#-42

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
7	-EsPZ	0418	12.0	#-42
7	-EPZ	0514	32.0	
7	+EPcPZ	0517	18.4	#-43
7	+EPZ	0627	28.2	
7	-IPZ	0627	49.0	
7	+EPKPdfZ	0627	51.0	#-44
7	+EsPKPdfZ	0628	9.4	#-44
7	+EPKPabZ	0628	43.4	#-44
7	+EPZ	0631	14.4	
7	+EPZ	0709	7.0	#-45
7	+EXZ	0709	29.0	#-45
7	+EPZ	0919	1.0	
7	-EPZ	1048	40.0	
7	+EPZ	1048	44.0	
7	+EXZ	1052	14.0	#-46
7	-EPnZ	1131	18.9	#-47
7	-IpPnZ	1131	22.2	#-47
7	+EPZ	1216	0.0	#-48
7	+EpPZ	1216	3.0	#-48
7	+EXZ	1318	39.0	#-49
7	-EPZ	1513	39.0	
7	-EPZ	1704	49.6	#-50
7	+EPcPZ	1704	54.6	#-50
7	+EPZ	1818	17.4	#-51
7	+EPZ	2319	41.2	
7	+EPZ	2319	47.4	
7	+EPZ	2323	34.0	
8	+EPZ	0053	51.0	
8	-EPZ	0053	56.0	
8	+EPZ	0418	2.8	#-52
8	+EpPZ	0418	18.8	#-52
8	-IPZ	0434	4.8	#-53
8	-IpPZ	0434	9.0	#-53
8	+IPcPZ	0434	15.0	#-53
8	-EXZ	0457	9.8	#-54
8	+EPZ	0818	16.5	
8	+EPZ	1120	39.0	
8	+EPZ	1120	46.0	
8	+EPZ	1252	16.4	
8	-EPZ	1420	14.0	
8	+EPZ	1420	19.9	
8	+EXZ	1431	29.4	#-55
8	+EXZ	1553	7.0	#-56
8	-EPZ	1554	26.3	
8	+EPZ	1705	34.4	
8	+EPZ	1724	29.2	
8	+EPPZ	1834	12.2	#-57
8	-EPZ	2003	9.6	#-58
8	+EPZ	2217	55.9	#-59
8	+EXZ	2218	30.0	#-59
9	-EPZ	0123	8.0	
9	+EPZ	0217	17.4	
9	+EPZ	0217	18.6	
9	+EPZ	0652	32.0	#-60
9	+EpPZ	0652	51.2	#-60
9	-EsPZ	0652	55.2	#-60
9	+EPcPZ	0728	54.0	#-61
9	-EPZ	1002	21.8	
9	+IPZ	1002	24.4	
9	+EPdiffZ	1304	10.4	#-62
9	+EPZ	1335	10.0	
9	+EPZ	1439	33.0	
9	-EPZ	1520	36.4	
9	+EPZ	1547	15.4	
9	+EXZ	1628	38.0	#-63
9	-EPZ	1657	36.6	#-64
9	-EPZ	1851	0.4	#-65
9	+EsPZ	1851	10.2	#-65
9	+EPZ	2007	7.4	
9	-EPZ	2007	10.2	
9	-EPZ	2038	23.4	
9	+EPZ	2118	37.0	
9	-EPZ	2118	51.0	
10	+EPZ	0023	1.4	
10	+EPZ	0023	4.7	
10	+EPZ	0123	23.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
10	-IPZ	01	44	27.4	#-66
10	+EPcPZ	01	44	30.4	#-66
10	-EpPZ	01	46	2.0	#-66
10	+EsPZ	01	46	44.6	#-66
10	+EXZ	02	34	15.0	#-67
10	-IPcPZ	02	34	27.0	#-67
10	ESH	02	43	34.0	#-67
10	+EPZ	03	46	6.5	
10	+EPZ	07	12	34.0	
10	-EXZ	08	22	49.0	#-68
10	+EPZ	08	55	18.4	
10	+EPZ	08	55	22.1	
10	+EPZ	09	25	5.0	
10	-EPZ	09	42	3.8	
10	-EPZ	11	45	22.0	
10	+EPZ	11	45	29.0	
10	+EPZ	14	07	44.6	
10	+EPZ	14	07	48.1	
10	+EPZ	14	16	0.2	
10	+EPZ	14	16	2.2	
10	+EPZ	15	10	31.4	#-69
10	-EXZ	15	10	48.2	#-69
10	-EXZ	18	22	16.9	#-70
10	+EXZ	18	22	40.0	#-70
10	+EPZ	19	08	51.0	
10	+EPZ	19	08	53.0	
10	+EPZ	21	17	5.4	
10	+EPZ	21	17	9.4	
10	+EPcPZ	21	58	28.0	#-71
10	+EPZ	22	15	33.6	
11	-EPZ	00	05	3.2	
11	+EPZ	00	05	10.5	
11	-EXZ	02	21	20.0	#-72
11	-EPZ	04	18	40.0	
11	-EPZ	04	20	57.4	
11	+EPZ	08	03	9.9	
11	+EPZ	08	03	12.4	
11	+EPZ	08	41	9.0	
11	+EPZ	08	41	24.5	
11	+EPZ	08	41	51.0	
11	+EPZ	09	01	3.5	
11	+EPZ	09	41	13.4	
11	+EPZ	11	02	25.5	
11	+EPZ	11	02	30.0	
11	+EPZ	11	39	53.6	
11	+IPZ	12	05	6.3	#-73
11	-IPcPZ	12	05	17.0	#-73
11	ESH	12	14	27.0	#-73
11	+EPcPZ	13	04	32.0	#-74
11	-EXZ	13	07	42.4	#-74
11	+EXZ	13	14	39.0	#-75
11	+EPPZ	13	30	40.4	#-76
11	+EPZ	15	23	5.0	#-77
11	+IpPZ	13	25	11.3	#-77
11	+EPZ	15	23	18.0	
11	+EPZ	19	09	32.5	
11	-EPZ	19	51	15.0	
11	+EPZ	19	51	18.3	
11	+EPZ	19	51	30.0	
11	+EPZ	20	14	44.0	
11	+EpPZ	20	25	4.8	#-78
11	+EXZ	20	26	25.4	#-78
11	+IPZ	20	42	0.0	
11	-EPZ	23	53	42.5	
12	+EPZ	00	22	51.5	
12	+EPZ	00	22	55.3	
12	ESH	00	31	33.0	
12	-EPZ	03	35	33.0	
12	-EPZ	03	35	37.0	
12	-EPZ	04	00	20.8	
12	-EPZ	04	55	19.0	
12	+EPZ	04	55	23.2	
12	+EPZ	06	02	10.3	
12	+EPZ	06	02	12.5	
12	+EPZ	09	06	30.0	
12	+EPZ	09	06	35.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
12	+EPZ	1211		9.0	#-79
12	+EPZ	1320		51.4	#-80
12	-IPcPZ	1320		54.2	#-80
12	-EPZ	1415		22.2	
12	+EPZ	1723		23.4	
12	-EPZ	1723		25.0	
12	-EPZ	1759		8.9	
12	-EPZ	1759		14.0	
12	+EPZ	1811		41.0	#-81
12	+EPcPZ	1811		43.4	#-81
12	+EPZ	1902		7.6	
12	+EPZ	1902		9.4	
12	+EPZ	2103		14.0	
12	+EPZ	2103		36.4	
12	+EPZ	2335		47.9	#-82
12	-IpPZ	2335		49.6	#-82
12	+EsPZ	2335		52.0	#-82
13	+EPZ	0059		2.6	#-83
13	+EPcPZ	0059		6.2	#-83
13	ESH	0108		34.0	#-83
13	-EPZ	0218		32.0	
13	-EPZ	0218		35.0	
13	-EPdiffZ	0415		47.4	#-84
13	+EPPZ	0420		29.0	#-84
13	+EPZ	0611		2.0	
13	+IPZ	0611		4.8	
13	-IPZ	1102		22.0	#-85
13	+IpPZ	1102		25.3	#-85
13	-IsPZ	1102		28.8	#-85
13	+EPnPnZ	1103		45.0	#-85
13	+EPZ	1308		16.3	
13	+EPZ	1308		21.0	
13	+EXZ	1344		9.4	#-86
13	+EXZ	1405		32.0	#-87
13	+EXZ	1405		40.0	#-87
13	+EPZ	1521		5.4	
13	+EPZ	1521		12.7	
13	+EXZ	1640		55.0	#-88
13	-IPZ	1803		25.3	
13	-IPZ	1803		31.0	
13	+EPZ	2205		6.6	
13	+EPZ	2205		9.8	
14	-EPZ	0715		36.0	
14	-EPZ	0715		40.6	
14	+EPZ	1409		11.0	
14	+EXZ	1409		29.4	#-89
14	-EXZ	1431		18.4	#-90
14	+EPZ	1512		40.8	#-91
14	+EpPZ	1512		45.6	#-91
14	-EXZ	1512		50.0	#-91
14	-EPZ	1715		16.4	
14	+EPZ	1735		32.4	#-92
14	-IXZ	1735		42.0	#-92
14	+EPZ	1812		33.7	
14	-EPZ	2131		24.4	
14	+EPZ	2131		25.4	
15	+EPZ	0306		14.3	
15	-EPZ	0612		19.2	
15	-IPZ	0848		50.3	#-93
15	-IpPZ	0849		15.0	#-93
15	+IPcPZ	0849		17.4	#-93
15	+EPZ	0937		45.4	#-94
15	+EPcPZ	0937		54.8	#-94
15	-EPZ	1310		0.0	#-95
15	-EPZ	1315		45.0	
15	+EXZ	1417		15.0	#-96
15	+EPcPZ	1417		33.6	#-97
15	+IPZ	1522		6.2	
15	-EPZ	1522		14.4	
15	+IPZ	1522		21.0	
15	+EPZ	1749		7.6	
15	+IPZ	2115		15.5	
16	+EPZ	0020		21.0	
16	+EPZ	0025		38.0	
16	+EPZ	0300		18.8	
16	+EPnZ	0340		1.4	#-98

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
16	+EXZ	0343	32.6	#-97
16	+IPZ	0354	33.0	#-99
16	+IPcPZ	0354	34.2	#-99
16	-EXZ	0501	42.0	#-100
16	+EPZ	0523	14.0	
16	+EPZ	0548	33.8	
16	+EPKPdfZ	0752	56.0	#-101
16	-EpPKPdfZ	0753	5.4	#-101
16	-EPZ	0802	47.0	
16	+EPKPdfZ	0805	26.0	#-102
16	+EXZ	0834	17.9	#-103
16	+EPZ	0914	19.8	
16	+EPZ	0914	23.2	
16	-EPZ	1135	10.0	
16	+EPZ	1229	37.0	
16	+EPZ	1306	51.0	
16	-EPZ	1753	28.0	
16	+EPZ	1925	38.2	
16	-IPZ	2007	28.0	#-104
16	-IpPZ	2007	35.6	#-104
16	-IPnPnZ	2007	45.4	#-104
16	-EXZ	2051	39.4	#-105
16	-IPZ	2142	43.8	#-106
16	+IPZ	2142	47.0	#-106
16	-IpPZ	2142	51.2	#-106
16	-IPZ	2150	43.8	
16	+IPZ	2150	47.0	
16	-IPZ	2150	50.8	
16	+EPZ	2216	10.0	
16	+EPZ	2216	14.4	
16	+EPZ	2216	18.2	
16	+EPZ	2222	26.0	
17	+EPZ	0118	19.4	
17	+EPZ	0416	2.0	
17	+EPZ	0510	10.4	
17	-EPZ	0817	14.6	
17	+EPZ	0954	12.9	
17	+EPZ	1135	20.2	
17	+EPZ	1335	40.0	
17	-EPZ	1521	28.2	
17	+EPdiffZ	2117	11.0	#-107
17	+EXZ	2117	24.0	#-107
17	+EPZ	2217	13.0	
17	-EPZ	2317	27.0	#-108
17	-IXZ	2317	30.0	#-108
18	+EPZ	0513	14.0	
18	+EPKPdfZ	0519	33.2	#-109
18	+EpPKPdfZ	0519	41.0	#-109
18	-EXZ	0519	45.0	#-109
18	-EPZ	0542	26.4	
18	+EPZ	0606	32.4	#-110
18	-EPZ	0803	7.4	
18	+EPZ	1416	12.0	
18	+EPZ	1416	24.1	
18	+EPZ	2010	18.0	
18	+EXZ	2234	4.2	#-111
18	+EpPdiffZ	2234	11.2	#-111
18	-EPdiffZ	2316	15.0	#-112
19	+EPZ	0014	19.0	#-113
19	+EpPZ	0014	36.4	#-113
19	+EPZ	0112	2.8	
19	+EPZ	0149	38.2	
19	-EPZ	0250	33.6	#-114
19	-EXZ	0250	42.0	#-114
19	-EPZ	1105	27.0	
19	+EPZ	1219	14.0	
19	+EPZ	1219	24.0	
19	+EPZ	1315	3.0	
19	+EPZ	1610	37.6	
19	+EPZ	1936	14.6	
19	+EPZ	2310	19.0	
19	+EPZ	2310	26.6	
19	+EPZ	2342	50.0	#-115
19	-EPcPZ	2342	54.0	#-115
20	+EPZ	0136	15.2	
20	+IPZ	0303	26.9	#-116

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
20	-IpPZ	0303	34.0	#-116
20	ESH	0312	15.8	#-116
20	-IPZ	0303	29.4	
20	ESH	0312	20.4	
20	+EPZ	0907	8.4	
20	+EPZ	1211	49.2	
20	+EPZ	1345	11.0	
20	+EXZ	1424	34.0	#-117
20	-EPZ	1648	42.2	
21	-EPZ	0142	20.4	#-118
21	+EpPZ	0142	23.6	#-118
21	+EXZ	0142	26.0	#-118
21	+EPZ	0811	47.6	#-119
21	-EPZ	0909	33.0	
21	-EXZ	1109	27.1	#-120
21	+EXZ	1109	32.6	#-120
21	+EPZ	1505	25.0	
21	+EPZ	1656	15.4	
21	-EPZ	1724	34.2	
21	-EPZ	1849	11.0	
21	+EPZ	1907	15.6	
21	+EPZ	2208	47.0	
21	+EPZ	2102	17.0	
21	+EXZ	2300	45.0	
22	+EPZ	0125	18.8	
22	+EPZ	0315	14.0	
22	+EPZ	0354	40.0	#-121
22	-EpPZ	0354	45.0	#-121
22	+IPZ	0513	39.4	
22	+EPZ	0640	6.0	
22	+EXZ	0742	15.2	
22	-EPZ	0810	21.0	
22	+EPZ	1004	9.4	
22	-IPZ	1004	28.2	
22	+EPZ	1033	1.8	#-122
22	+EPPZ	1036	18.4	#-122
22	-EXZ	1523	40.2	
22	+EXZ	2013	16.0	
22	+EPZ	2119	43.5	
23	-EPZ	0103	23.5	#-123
23	+IPZ	0248	48.4	#-124
23	+EPcPZ	0248	54.0	#-124
23	+IPdiffZ	0514	13.6	#-125
23	+EXZ	0538	16.9	#-126
23	+EPZ	0835	45.6	
23	+EPZ	1718	11.0	
23	+EPZ	1906	13.4	
23	+EPZ	2150	50.0	
24	-EPZ	0615	15.0	
24	-IPZ	0754	35.0	
24	-IPZ	1305	4.0	
24	-EPZ	1443	47.8	#-127
24	+EPcPZ	144	52.4	#-127
24	-IPZ	1905	30.2	
24	+EPZ	2307	40.0	
25	-EPZ	0512	41.0	
25	-IPZ	0525	57.0	#-128
25	-EPZ	0534	9.0	
25	+EPZ	0536	48.9	#-129
25	-EPZ	0603	1.0	
25	+EPZ	0703	5.0	
25	+EPZ	0820	21.4	#-130
25	+EPZ	1225	13.4	
25	+EPZ	1229	24.0	
25	+EPZ	1229	39.0	
25	+EPZ	1420	30.6	
25	-EPZ	1503	34.8	
25	+EPZ	1713	12.4	#-131
25	+EPZ	2306	44.0	
26	+EPZ	0057	33.4	
26	+EPZ	0320	30.0	#-132
26	+EPZ	0334	14.0	
26	+EPZ	0341	12.2	
26	-EPZ	0345	26.8	
26	+EPZ	0523	55.7	#-133
26	+EPZ	0534	41.0	#-134

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
26	+EpPKiKPZ	0540	3.0	#-134
26	+EPZ	0608	4.0	
26	-EPZ	0750	6.0	
26	-EPZ	0811	24.4	
26	+EXZ	1052	41.2	#-135
26	+EPdiffZ	1252	23.4	#-136
26	+EpPdiffZ	1252	28.5	#-136
26	-EPZ	1313	38.0	
26	+EXZ	1414	15.3	#-137
26	+EXZ	1414	20.0	#-137
26	+EPZ	1526	3.8	
26	+EPZ	1813	13.0	
26	+EXZ	1815	28.5	#-138
26	+EPZ	2007	45.0	#-139
26	+EPZ	2010	15.0	
26	+EPZ	2253	2.1	
26	+EPZ	2313	9.0	
26	+EPZ	2313	18.5	
27	+EPZ	0007	53.0	
27	+EPZ	0037	32.0	#-140
27	+EPZ	0239	10.0	#-141
27	-EpPZ	0239	29.4	#-141
27	+EPZ	0249	51.0	#-142
27	+EPZ	0252	24.0	
27	+EPZ	1402	21.8	
27	+EPZ	1625	33.0	#-143
27	+EPZ	1644	12.0	#-144
27	+IPZ	1653	28.2	#-145
27	+IXZ	1653	34.8	#-145
27	ESH	1702	27.0	#-145
27	+EPcPZ	1705	20.0	#-146
27	-EPZ	1857	16.8	
27	-EXZ	1857	36.0	
27	+EPZ	2056	46.0	#-147
27	+EPZ	2112	34.0	
27	+EPZ	2114	26.5	
28	+EPZ	0248	5.0	
28	+EPZ	0248	9.8	
28	+EPZ	0416	20.1	
28	+EPZ	0531	4.0	
28	+EPZ	0804	2.2	#-148
28	+EpPZ	0804	7.0	#-148
28	+EPZ	1207	11.0	
28	+EXZ	1207	33.7	#-149
28	-EPZ	1207	10.7	
28	+EPZ	1606	8.0	
28	-EPZ	1626	30.6	
28	+EPZ	1704	12.0	
28	+EPZ	2021	40.4	#-150
28	+EPZ	2148	14.0	
28	-EPZ	2148	22.7	
28	+EPZ	2216	0.4	
28	+EPZ	2216	18.0	
28	-EPdiffZ	2238	40.0	#-151
29	+IPZ	0045	29.2	#-152
29	+IpPZ	0045	44.8	#-152
29	+EPPZ	0049	10.4	#-152
29	+EPZ	0208	31.0	
29	+EPZ	0209	2.6	
29	+EPZ	0913	2.4	
29	-EPZ	0914	51.0	
29	+EPZ	1008	29.9	
29	+EPZ	1013	42.6	#-153
29	+EPcPZ	1013	49.8	#-153
29	+IXZ	1014	15.4	#-153
29	+EPZ	1058	18.7	
29	+EPZ	1411	49.0	
29	-EPZ	1723	30.2	
29	-EPZ	1723	33.4	
29	+EPZ	1812	25.0	
29	+EPZ	1838	23.2	#-154
29	+EXZ	1838	39.6	#-154
29	+EPZ	2150	19.0	
29	+EPZ	2304	24.0	
29	+EPZ	2342	28.9	
30	+EPZ	0250	5.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
30	+EPZ	0802	9.4	
30	+EPZ	0802	14.4	
30	+EPZ	1013	3.7	#-155
30	-EXZ	1013	7.6	#-155
30	+EsPZ	1013	16.1	#-155
30	+EPZ	1147	14.0	
30	+EPZ	1147	17.7	
30	+EPZ	1311	26.0	
30	+IPZ	2007	3.7	#-156
30	+EPZ	2007	25.2	
30	-EXZ	2041	10.2	#-157
30	+EPZ	2312	15.0	
30	-EPZ	2314	2.0	
30	-EPZ	2314	5.0	
30	-EPZ	2344	2.0	
30	-EPZ	2344	5.0	
31	+EPZ	0225	37.8	
31	+EPZ	0411	28.0	
31	-EPZ	0530	6.0	
31	+EPZ	0530	9.6	
31	-EPZ	0531	18.0	
31	-EPZ	0757	47.0	
31	-EPZ	0812	6.0	
31	+EPZ	0926	29.0	
31	+EPZ	1051	8.5	
31	+EPZ	1051	14.4	
31	+EPZ	1122	40.5	#-158
31	-EPZ	1439	33.8	
31	-EPZ	1439	37.2	
31	+IPZ	1658	33.6	#-159
31	-IPZ	1658	39.8	#-159
31	+EPZ	1702	11.0	
31	+EPZ	2008	16.0	
31	-EPZ	2133	32.4	#-160
31	-EPZ	2136	0.2	
31	-EPZ	2235	26.4	
Feb. 1	+EPZ	0019	52.0	
1	-IPZ	0404	46.0	#-161
1	ESH	0409	39.0	#-161
1	-EPZ	0436	29.0	
1	+EPZ	0436	31.8	
1	+EPZ	0619	2.0	
1	+EPZ	0720	26.1	
1	+EPZ	0720	28.9	
1	+IPZ	0927	2.2	#-162
1	-IsPZ	0927	6.0	#-162
1	+EPcPZ	0928	2.0	#-162
1	+EXZ	1020	26.2	#-163
1	-EXZ	1024	46.4	#-163
1	+EPZ	1025	35.4	
1	+EPZ	1114	26.7	
1	-EPZ	1114	35.0	
1	-EPZ	1147	1.0	
1	+EPZ	1214	16.2	
1	-EPZ	1324	29.0	
1	+EPZ	1407	14.0	
1	+EPZ	1407	17.0	
1	+EPZ	1624	24.6	
1	+EpPZ	1721	29.0	#-164
1	+EPZ	1757	15.0	
1	+EPZ	1757	20.0	
1	-IPZ	1757	23.2	
1	-IPZ	2013	1.6	#-165
1	+EPcPZ	2013	3.4	#-165
1	+EsPZ	2013	20.2	#-165
1	+EpPZ	2024	29.0	#-166
1	+EXZ	2024	45.0	#-166
1	+EPcPZ	2132	25.4	#-167
1	+EPcPZ	2313	26.0	#-168
2	+EPZ	0008	38.0	
2	+EPZ	0119	40.6	#-169
2	+EPcPZ	0119	43.2	#-169
2	-EPZ	0150	27.1	
2	+EPZ	0150	32.0	
2	+EPZ	0250	43.6	
2	-IPZ	0312	6.6	#-170

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
2	+EPcPZ	0312	9.4	#-170
2	-IPZ	0553	21.0	#-171
2	+IPcPZ	0553	26.2	#-171
2	+EPZ	0605	35.0	
2	-EPZ	0605	38.0	
2	+EPZ	0804	25.4	
2	-EPZ	0840	44.9	
2	+IXZ	0909	24.6	#-172
2	-IPZ	0938	10.4	#-173
2	-IpPZ	0938	20.2	#-173
2	ESH	0947	45.8	#-173
2	+EXZ	1440	12.6	#-174
2	+EPZ	1613	19.2	
2	+EPZ	1613	26.0	
2	-IPZ	1823	32.8	#-175
2	+EpPZ	1823	41.0	#-175
2	+EPdiffZ	1905	20.8	#-176
2	+EpPdiffZ	1905	23.0	#-176
2	+EPZ	1952	33.6	
3	NIL			
4	-IPZ	1407	45.8	#-177
5	+EPZ	1516	49.6	#-178
5	-EPcPZ	1516	51.6	#-178
5	+EPZ	2305	30.0	#-179
5	+IXZ	2305	39.6	#-179
6	-EPZ	0621	28.2	
6	+IPZ	0839	24.0	
6	+IPZ	0839	25.2	#-180
6	+EpPdiffZ	1147	10.3	#-181
6	+EsPdiffZ	1147	17.6	#-181
6	+EPZ	1908	45.6	#-182
6	-IPZ	2041	12.4	#-183
6	-IPcPZ	2041	14.0	#-183
6	-EPZ	2108	35.6	#-184
6	+EPcPZ	2108	43.6	#-184
6	+EpPZ	2109	6.4	#-184
7	+EPZ	0010	29.6	
7	+EPZ	0010	34.2	
7	+EXZ	0328	18.0	#-185
7	+EpPZ	0328	31.0	#-185
7	-EPZ	0621	28.2	
7	+IPZ	0852	49.0	#-186
7	+IPcPZ	0852	51.0	#-186
7	ESH	0903	6.2	#-186
7	+EPZ	1208	19.5	
7	-EPZ	1708	31.0	
7	+IPZ	1708	32.6	
7	ESH	1718	23.0	
7	+EPcPZ	1837	40.0	#-187
7	+EXZ	2042	6.6	#-188
7	+EPZ	2042	12.8	#-188
8	+EPZ	0252	42.4	
8	+EPZ	0252	44.3	
8	-EXZ	0253	36.0	#-189
8	+EPZ	0425	23.0	
8	+EpPZ	0553	27.4	#-190
8	+EPZ	0726	40.0	
8	+EPZ	0726	43.1	
8	+EPZ	1344	28.0	
8	+IPZ	1344	39.0	
8	-IPZ	1957	20.6	#-191
8	-IpPZ	1957	23.0	#-191
8	-IsPZ	1957	28.8	#-191
8	-EPZ	2105	31.0	
9	+EPZ	0017	36.4	
9	+EPZ	0116	11.2	
9	+EPZ	0224	45.4	
9	+IPZ	0224	48.1	
9	-EPZ	0302	23.1	
9	+EPZ	0503	31.7	#-192
9	+IpPZ	0503	38.4	#-192
9	-IPZ	0700	27.2	
9	+IPZ	0742	9.0	
9	+IPZ	0742	10.4	
9	+IPZ	1320	12.8	
9	+EPZ	1509	46.8	#-193

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
9	-IPcPZ	1509	48.6	#-193
9	+IpPZ	1510	0.8	#-193
9	+EPZ	1805	15.0	#-194
9	+IXZ	2251	35.0	#-195
10	+IPZ	1111	41.9	#-196
10	-EPcPZ	1111	54.4	#-196
10	+IPZ	1152	47.8	#-197
10	-EpPZ	1152	50.0	#-197
10	+EpPdiffZ	1221	23.4	#-198
10	-EPZ	1602	15.3	#-199
10	+EPcPZ	1602	17.3	#-199
10	+EpPZ	1602	46.0	#-199
10	+IPZ	1818	29.2	#-200
10	+EPZ	1818	34.2	#-200
10	-EXZ	2034	41.0	#-201
10	-IPZ	2201	46.6	#-202
10	+IpPZ	2201	48.7	#-202
11	+EPZ	0025	32.0	
11	-EPZ	0025	36.0	
11	+EPZ	1029	23.0	#-203
11	+EpPZ	1029	45.0	#-203
11	+EPZ	1513	5.0	
11	+EPZ	1513	8.0	
11	+EPZ	1513	15.6	
11	-EPZ	1612	24.7	
11	+EPZ	1612	37.0	
12	+EPZ	0022	12.0	#-204
12	-EPcPZ	0022	14.0	#-204
12	+EpPZ	0022	47.0	#-204
12	-EPZ	0541	35.4	
12	-EPZ	0541	45.8	
12	+EPdiffZ	0934	16.6	#-205
12	+IPZ	0938	6.4	
12	+EPdiffZ	0939	10.0	#-206
12	+EPZ	1057	4.2	#-207
12	+EPZ	1154	44.0	#-208
12	-IPcPZ	1154	58.0	#-208
12	ESH	1204	21.0	#-208
12	+EsPZ	1322	15.2	#-209
12	+EPZ	1323	7.9	
12	-IPZ	1345	57.2	#-210
12	+IpPZ	1346	9.0	#-210
12	+EPcPZ	1346	27.4	#-210
12	+EPPZ	1348	18.0	#-210
12	+EPZ	1452	16.4	#-211
12	+EXZ	1452	42.2	#-212
12	+IPZ	1935	20.8	#-213
12	+IpPZ	1935	23.6	#-213
12	+IXZ	1935	31.4	#-214
12	+EPZ	2031	1.5	
12	-IPZ	2230	26.7	
13	+IPZ	0152	41.6	#-215
13	-EpPZ	0152	48.0	#-215
13	+EPZ	0329	33.0	
13	-EPZ	0329	35.7	
13	+EXZ	1130	16.0	#-216
13	+EPZ	1224	15.0	
13	+EPcPZ	1303	19.5	#-217
13	+EPZ	1410	34.0	
13	+EPZ	1410	41.5	
13	+IPZ	1424	5.9	
13	+EPZ	1424	12.0	
13	+EPZ	1505	16.7	#-218
13	+EPcPZ	1553	46.1	#-219
13	+EPZ	1720	8.0	
13	+IPZ	1909	40.8	#-220
13	-IpPZ	1909	44.6	#-220
13	-EPZ	2202	10.0	
13	+IPZ	2202	13.7	
14	+IPZ	0744	6.9	
14	+IPZ	0744	14.6	
14	-EPZ	0744	23.0	
14	+IPZ	0756	54.8	#-221
14	+EpPZ	0814	26.4	#-222
14	+EPnPnZ	0814	43.0	#-222
14	+EPZ	1018	33.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
14	-IPZ	10	18	39.8	
14	-EPZ	12	02	13.8	
14	+EPZ	12	02	19.4	
14	+IPZ	14	43	21.6	
14	+EPZ	14	43	44.8	#-223
14	-EXZ	16	03	34.0	#-224
14	-EXZ	18	33	47.8	#-225
14	-EPZ	20	53	42.4	
14	-IPZ	20	53	44.4	
14	+EXZ	21	52	15.1	#-226
14	+EPcPZ	21	52	25.2	#-226
15	+EPZ	06	53	36.6	
15	-IPZ	06	53	38.1	
15	+EPdiffZ	07	45	38.0	#-227
15	+EpPdiffZ	07	45	46.0	#-227
15	+IXZ	07	50	5.0	#-227
15	+IXZ	07	56	13.0	#-227
15	+EPZ	08	42	5.2	
15	+EPZ	08	42	12.0	
15	+EPZ	08	42	26.0	
15	+EPZ	11	22	16.0	
15	-EPZ	11	22	24.8	
15	+EPZ	13	04	11.0	#-228
15	+EpPZ	13	04	34.8	#-228
15	+EXZ	13	04	42.4	#-228
15	+IPZ	15	02	15.6	
15	+EPZ	15	02	19.5	
15	+EPZ	17	03	24.2	
16	-EPZ	03	05	37.8	#-229
16	+EPZ	06	13	14.0	
16	+EPZ	06	13	24.4	
16	-EPZ	07	04	19.4	
16	+EPZ	07	04	20.7	
16	-EPZ	12	13	23.6	#-230
16	-EPcPZ	12	13	26.0	#-230
16	+EPZ	14	00	33.4	#-231
16	-EpPZ	14	00	39.0	#-231
16	+EPZ	14	17	18.0	
16	+EPZ	14	17	23.4	
16	+EPZ	14	34	52.6	#-232
16	-EPcPZ	14	34	55.0	#-232
16	+EPZ	15	06	6.0	
16	+EPZ	15	06	19.0	
16	-EPZ	21	02	13.0	
16	+EPZ	21	02	22.0	
17	+EPZ	00	45	29.8	#-233
17	+EXZ	00	45	45.4	#-233
17	+EXZ	00	59	34.0	#-234
17	-IPcPZ	00	59	36.8	#-234
17	+EpPZ	01	00	7.6	#-234
17	-IPZ	01	17	55.6	#-235
17	-IpPZ	01	18	6.5	#-235
17	ESH	01	27	39.4	#-235
17	+EPZ	02	24	12.0	
17	-EPZ	02	24	16.4	
17	+EPZ	03	16	11.1	
17	-EPZ	03	16	30.0	
17	-EPZ	03	16	34.2	
17	+EPZ	04	03	16.6	#-236
17	+EPZ	04	03	29.4	
17	+EPZ	05	13	47.0	
17	-EPZ	05	13	54.5	
17	+EPZ	05	40	13.6	#-237
17	+EpPZ	05	40	15.8	#-237
17	+EPdiffZ	06	10	2.6	#-238
17	+EpPdiffZ	06	10	9.4	#-238
17	+EPZ	06	17	25.4	#-239
17	+EsPZ	06	17	29.7	#-239
17	+EPdiffZ	09	55	34.0	#-240
17	+EPZ	11	15	1.0	
17	+EPZ	12	15	21.8	
17	+EPZ	12	15	27.0	
17	+EPcPZ	12	25	5.0	#-241
17	-EPZ	13	24	20.3	
17	-EPZ	13	24	30.6	
17	-EPZ	14	19	16.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
17	+EPKPdfZ	1419		36.0	#-242
17	+EPZ	1438		34.0	
17	+EPZ	1438		38.0	
17	+EXZ	1704		35.1	#-243
17	+EPZ	1705		6.1	
17	+EPZ	1705		11.0	
17	-EPZ	1721		21.1	
17	+EPZ	1819		1.0	
17	+EPZ	1819		4.0	
17	+EPZ	1844		25.2	#-244
17	+EPcPZ	1844		33.0	#-244
17	+EPZ	2033		14.5	
17	-EPZ	2033		23.6	
17	+EPZ	2038		22.0	#-245
17	+EpPZ	2038		25.0	#-245
17	-EXZ	2106		42.0	#-246
17	-EPZ	2208		37.3	
17	-EPZ	2208		43.0	
18	+EPZ	0119		17.0	
18	-EPZ	0119		21.6	
18	-EPZ	0320		14.6	#-247
18	-EXZ	0332		32.4	#-248
18	-EPZ	0347		2.6	#-249
18	-EsPZ	0347		20.1	#-249
18	-EPZ	0617		17.2	
18	-IPZ	0826		5.4	#-250
18	-IpPZ	0826		13.0	#-250
18	-IsPZ	0826		16.6	#-250
18	-IPZ	0826		36.4	
18	-IXZ	0828		29.0	#-251
18	+EXZ	0941		34.6	#-252
18	-EXZ	0945		35.2	#-252
18	+EPZ	1011		17.0	#-253
18	+EsPZ	1011		23.0	#-253
18	-IPZ	1025		18.4	#-254
18	-IPcPZ	1025		20.0	#-254
18	+EPZ	1125		18.0	
18	+EPZ	1252		35.4	
18	-EPZ	1258		26.0	
18	+EPZ	1326		8.0	
18	-EXZ	1359		41.4	#-255
18	+EpPZ	1429		35.0	#-256
18	+EXZ	1429		43.0	#-256
18	+EPZ	1446		54.3	#-257
18	+EpPZ	1447		1.3	#-257
18	-EXZ	1628		42.0	
18	+EpPZ	1629		2.4	#-258
18	+EPZ	1823		2.0	
18	-EPZ	1823		9.0	
18	-EPZ	1823		17.2	
18	+EPZ	1904		8.3	
18	+EPZ	1904		13.1	
18	-EPZ	1904		17.2	
18	+EPZ	2348		26.0	#-259
18	-IPcPZ	2348		28.6	#-259
18	+IpPZ	2348		43.8	#-259
19	+EPZ	0226		12.4	
19	+EPZ	0226		16.0	
19	-EPZ	0226		26.0	
19	-EPZ	0326		12.2	
19	-EXZ	0434		41.0	#-260
19	-EPZ	0607		34.0	
19	+EPZ	0607		35.1	
19	+EpPZ	0610		42.2	#-261
19	+EPZ	0733		26.0	
19	-IPdiffZ	1124		21.4	#-262
19	+EPPZ	1128		42.0	#-262
19	+EPZ	1127		18.0	#-263
19	+EPZ	1202		48.0	
19	-EPZ	1202		56.4	
19	+EXZ	1305		52.3	#-264
19	+EPZ	1527		36.0	#-265
19	+EPZ	1649		42.5	
19	+EPZ	1752		38.0	
19	+EPZ	1819		13.0	
19	+EPZ	1819		35.1	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
19	+EPZ	1819	45.6	
19	-EPZ	2204	12.6	
19	+EPZ	2325	4.0	
20	-EPZ	0013	2.9	
20	-EPZ	0013	15.9	
20	-EPZ	0119	1.5	
20	+EPZ	0219	40.0	
20	+EPZ	0220	0.2	
20	-EPZ	0220	3.0	
20	+IpPZ	0420	33.0	#-266
20	-IPZ	0530	0.0	#-267
20	-IpPZ	0530	7.0	#-267
20	ESH	0539	30.8	#-267
20	+EPZ	0719	47.6	
20	+EPZ	0913	29.0	
20	+EPZ	0913	35.0	
20	-EPZ	1638	2.6	#-268
20	-EpPZ	1638	5.4	#-268
21	+IPZ	0703	35.2	
21	-EPZ	0703	39.4	
21	+IPZ	1507	9.6	
22	-EXZ	2246	15.4	#-269
22	-EpPZ	2246	23.4	#-269
22	+EPnPnZ	2247	36.9	#-269
23	+EPZ	1207	34.3	#-270
23	+EpPZ	1209	41.5	#-270
23	-IPZ	1217	26.6	#-271
23	+IPZ	1519	26.0	#-272
23	+EPcPZ	1519	32.0	#-272
23	+IPZ	1608	41.0	
23	-IPZ	1608	46.0	
23	+EPZ	1707	39.0	#-273
23	-EPcPZ	2133	15.4	#-274
23	+EPZ	2351	27.0	#-275
23	+EpPZ	2351	50.4	#-275
24	-EpPZ	0132	50.0	#-276
24	+EPZ	0331	12.0	#-277
24	-EPZ	1025	10.2	
24	-EPZ	1025	23.1	
24	+EPcPZ	1426	29.0	#-278
24	-EPZ	1907	0.0	#-279
24	+EPcPZ	1907	2.0	#-279
24	+EPZ	2208	53.0	#-280
24	-EPcPZ	2208	56.3	#-280
24	+EpPZ	2209	4.6	#-280
24	+EpPZ	2338	38.8	#-281
24	-EXZ	2343	16.4	#-282
24	+EPcPZ	2344	42.6	#-283
24	-IPZ	2355	35.2	#-284
24	+IsPZ	2355	40.0	#-284
24	-IXZ	2358	43.6	#-285
25	+EXZ	0011	35.0	#-286
25	-EPZ	0201	40.0	#-287
25	+IpPZ	0213	12.0	#-288
25	-IXZ	0213	29.0	#-288
25	-EPZ	0328	17.4	
25	+EXZ	0455	30.6	#-289
25	+EPZ	1018	43.4	
25	-EPZ	1018	49.0	
25	-IPZ	1550	59.0	#-290
25	-EpPZ	1551	1.0	#-290
25	+EsPZ	1551	5.1	#-290
25	+IXZ	1618	5.0	#-291
26	+EPZ	0105	57.0	#-292
26	+EsPZ	0106	2.4	#-292
26	+EXZ	1008	15.0	#-293
26	+EPZ	1504	35.9	#-294
26	-EPcPZ	1504	40.6	#-294
27	NIL			
28	+EPZ	1615	53.0	
28	-IPZ	1615	57.2	
28	-EPZ	2009	40.8	
Mar. 1	+IPZ	0017	12.0	
1	+IPZ	0020	13.0	
1	+EPZ	0019	52.0	
1	+EPZ	0109	25.2	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
1	+EPZ	0109	30.0	#-295
1	+EPKPdfZ	0235	23.0	#-296
1	-IPZ	0343	15.2	#-297
1	-IXZ	0343	20.0	#-297
1	+EPZ	0514	25.8	
1	+EPZ	0619	16.2	#-298
1	+EpPZ	0619	22.8	#-298
1	+IPZ	1401	25.2	
1	+EPZ	1546	29.3	#-299
1	-IpPZ	1547	0.0	#-299
1	-EPZ	1818	35.6	
1	+EPZ	1818	37.8	
2	+EPZ	0010	5.1	
2	-EPZ	0010	9.0	
2	+EPZ	0207	17.0	
2	+EPZ	0207	29.0	
2	+EPZ	0508	20.0	
2	+EPZ	0508	24.2	
2	+EPZ	0655	43.7	#-300
2	+EPZ	0902	54.2	#-301
2	+EXZ	0902	18.6	#-302
2	+EPZ	0956	30.4	#-303
2	-EXZ	0956	41.0	#-303
2	-IXZ	0959	50.0	#-304
2	+EPZ	1013	33.8	
2	-EPZ	1013	41.2	
2	-EPZ	1124	16.0	#-305
2	+EpPZ	1124	20.0	#-305
2	+EPZ	1220	10.0	
2	+IPZ	1220	14.0	
2	+EPZ	1220	21.0	
2	-EXZ	1248	42.2	
2	+EPZ	1313	23.0	
2	-IPZ	1313	31.6	
2	+EPZ	1554	44.6	#-306
2	+EsPZ	1554	50.0	#-306
2	-EPZ	1557	34.2	#-307
2	-EpPZ	1628	7.6	#-308
2	+IPZ	1713	14.4	#-309
2	+EPZ	1714	0.0	
2	+EXZ	1715	20.0	#-309
2	+EPZ	1937	57.0	
2	-IPZ	1952	2.6	#-310
2	-IPcPZ	1952	4.0	#-310
2	-IpPZ	1952	17.4	#-310
2	+EPZ	2026	17.0	
2	+EpPdiffZ	2026	33.0	#-311
2	+EXZ	2029	46.0	#-311
2	+EPZ	2107	4.0	#-312
2	+EPcPZ	2107	10.0	#-312
2	-EPZ	2235	14.0	
2	+EXZ	2236	14.0	#-313
2	+EXZ	2241	21.9	#-314
2	+EPZ	2319	26.9	
3	-EPZ	0208	18.0	
3	+EPZ	0248	7.0	
3	-EPZ	0328	32.5	#-315
3	-EsPZ	0328	45.4	#-315
3	+EpPZ	0753	19.8	#-316
3	-EXZ	0856	30.2	#-317
3	-EPZ	1016	24.2	
3	+EPZ	1016	35.0	
3	+EPZ	1108	5.8	
3	+EPZ	1117	7.0	
3	-EPZ	1117	10.4	
3	+EPZ	1117	15.4	
3	+IPZ	1245	39.2	#-318
3	-EpPZ	1245	46.8	#-318
3	-EPZ	1254	39.0	
3	+EPZ	1333	33.0	#-319
3	+EPZ	1411	25.0	
3	+EPZ	1411	29.9	
3	+EPZ	1622	34.8	#-320
3	-EPcPZ	1622	37.8	#-320
3	+EpPZ	1624	41.4	#-320
3	+EPZ	1635	25.8	#-321

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
3	+EpPZ	1635		28.4	#-321
4	+EPZ	0024		18.0	
4	+EPZ	0024		41.3	
4	+EPZ	0024		43.4	
4	+EPZ	0111		13.0	
4	-EPZ	0111		23.2	
4	+EPZ	0223		32.0	#-322
4	+EPcPZ	0223		34.6	#-322
4	-EPZ	0510		9.0	
4	-EPZ	0510		10.2	
4	+EPZ	0510		16.9	
4	+EPdiffZ	0604		25.0	#-323
4	+EPZ	0657		24.0	#-324
4	+EPcPZ	0657		28.0	#-324
4	-EPZ	0715		3.4	
4	+EPZ	0715		11.0	
4	+EPZ	0813		3.6	
4	+EPZ	0813		7.6	
4	-EPZ	1101		59.0	#-325
4	+EXZ	1102		2.0	#-325
4	+EPZ	1107		19.0	#-326
4	+EpPZ	1107		24.0	#-326
4	+EsPZ	1128		16.2	#-327
4	+EPZ	1134		47.2	#-328
4	+EPZ	1628		9.8	
4	+EPZ	1628		15.2	
4	-EPZ	1628		20.0	
4	+EPZ	1923		19.6	
4	+EPZ	1923		29.7	
4	+EPZ	2127		39.8	#-329
4	+EpPZ	2128		2.3	#-329
4	+EPZ	2323		19.0	#-330
4	+IPcPZ	2324		31.8	#-330
5	+EPZ	0436		19.0	
5	+IPZ	0822		18.6	
5	+IPZ	0822		25.0	
5	+IPZ	1008		46.4	#-331
5	-IPcPZ	1008		47.4	#-331
5	ESH	1018		34.0	#-331
5	+EPZ	1043		46.2	
5	+EPZ	1143		23.5	#-332
5	+EPcPZ	1143		26.4	#-332
5	+EsPZ	1419		34.0	#-333
5	+IPcPZ	1433		29.0	#-334
5	-IPZ	1747		0.8	#-335
5	+EPcPZ	1747		2.6	#-335
5	-EPZ	1757		32.6	#-336
5	-EPcPZ	2240		18.8	#-337
5	-EpPZ	2240		29.0	#-337
6	+EPZ	0035		49.0	#-338
6	-IPcPZ	0035		51.0	#-338
6	-IPZ	0447		44.0	#-339
6	+IsPZ	0448		7.6	#-339
6	-IPcPZ	0448		12.4	#-339
6	+EPZ	0813		7.6	#-340
6	-IPZ	1035		26.0	#-341
6	+EXZ	1035		32.0	#-341
6	-EPZ	1442		10.8	
6	+EPcPZ	1856		55.0	#-342
6	-IPZ	2201		4.4	
6	-EPZ	2201		10.4	
7	+IPZ	0138		28.1	#-343
7	-EPZ	0138		34.2	#-343
7	-EPZ	1016		19.7	
7	-IPZ	1016		57.2	
7	-EPZ	1334		14.8	#-344
7	+EpPZ	1334		17.2	#-344
7	+EsPZ	1334		19.1	#-344
7	-EPZ	1611		30.0	#-345
7	+EPZ	1626		30.8	#-346
7	+IXZ	1626		40.6	#-346
7	+EPZ	1927		6.6	
7	-EPZ	1927		20.6	
7	+EPZ	2136		18.0	#-347
7	+EPcPZ	2136		20.8	#-347
7	-EpPZ	2136		32.7	#-347

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
8	-IPZ	0018		49.0	#-348
8	-EPZ	0350		40.4	#-349
8	+EPcPZ	0350		43.2	#-349
8	+EPcPZ	0716		17.4	#-350
8	+EPZ	0718		51.0	#-351
8	-IPnZ	0718		54.0	#-351
8	+EPZ	0732		5.8	#-352
8	+EpPZ	0732		8.0	#-352
8	-EsPZ	0732		9.9	#-352
8	+EsPZ	0733		12.8	#-352
8	+EPZ	1610		5.8	
8	-EPZ	1610		11.0	
8	+EPZ	1722		26.6	
8	-IPZ	1834		32.6	#-353
8	-IPZ	1834		34.5	#-353
8	+EPZ	1909		50.0	#-354
8	-EPcPZ	1909		51.4	#-354
8	+EPZ	2109		50.0	#-355
8	+EPcPZ	2109		52.8	#-355
8	+EPZ	2320		26.0	
9	+EPZ	1228		25.8	#-356
9	+EsPZ	1228		32.0	#-356
9	+IPZ	1229		9.8	#-357
9	+IPZ	1353		57.1	#-358
9	-EPcPZ	1354		7.0	#-358
9	+EPZ	1526		36.6	#-359
9	+EXZ	1545		12.0	#-360
9	+IPZ	1559		35.0	#-361
9	-EpPZ	1559		42.0	#-361
9	+EPZ	1616		27.0	#-362
9	+EXZ	1616		33.0	#-362
9	+EPZ	1623		39.0	
9	-EpPZ	1624		55.0	#-363
9	-EPZ	1624		48.0	#-364
9	+EPZ	1735		53.4	#-365
9	+EXZ	1736		22.0	#-365
9	+EPZ	2042		34.1	
9	-EPZ	2301		21.2	

Date	Phase	Time H	M	S	Remarks
10	+EpPdiffZ	0053		35.0	#-366
10	+EpPKPdfZ	0057		10.0	#-366
10	+EPZ	0302		9.4	
10	+EPcPZ	0302		35.8	#-367
10	+EpPZ	0303		48.0	#-367
10	+EPZ	0403		28.2	#-368
10	+EPcPZ	0403		34.0	#-368
10	-IPKPdfZ	0537		57.0	#-369
10	+IPKPbcZ	0538		3.0	#-369
10	-IpPKPdfZ	0538		4.6	#-369
10	-IPKPabZ	0538		10.0	#-369
10	+EPZ	0828		44.0	
10	+EPZ	1326		32.1	#-370
10	+IXZ	1333		27.0	#-371
10	+EpPZ	1339		12.4	#-372
10	+EPZ	1340		53.0	#-373
10	-EPcPZ	1340		54.4	#-373
10	-EPZ	1448		3.3	
10	-EPZ	1448		33.6	
10	+EPZ	1744		40.0	
10	-EPZ	1744		47.5	
10	-IPZ	1746		4.0	#-374
10	+IPcPZ	1746		5.3	#-374
10	-IPZ	1756		56.0	#-375
10	+EPZ	1809		3.1	#-376
10	+EpPZ	1809		5.4	#-376
10	+EPZ	2226		22.0	
10	+EPZ	2226		26.0	
10	+EPZ	2242		35.5	#-377
10	-EPcPZ	2242		41.0	#-377
10	+EpPZ	2243		9.0	#-377
11	+EPZ	0249		29.8	#-378
11	-IPZ	0249		32.0	#-378
11	-IpPZ	0249		38.4	#-378
11	-EXZ	1625		31.0	#-379
11	-IPcPZ	1625		35.0	#-379
11	+EPZ	2021		34.0	
11	+EPZ	2021		51.6	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
11	-EPKPdfZ	2023		28.0	#-380
11	-EXZ	2023		40.7	#-380
11	+EPZ	2216		28.4	#-381
12	+EPZ	0016		26.2	#-382
12	+IPKPbcZ	0051		45.0	#-383
12	-EPZ	0053		21.0	
12	+EPZ	0815		15.0	#-384
12	-EPcPZ	0815		21.0	#-384
12	+EXZ	1327		5.5	#-385
12	+EPZ	1421		57.0	#-386
12	-EXZ	1712		25.4	#-387
12	+EPZ	1759		21.0	#-388
12	+EpPZ	1759		28.0	#-388
12	-EPZ	1820		28.4	#-389
12	-EpPZ	1820		34.0	#-389
12	+EPKPdfZ	1837		27.0	#-390
12	-EPKPbcZ	1837		27.7	#-390
12	+EPKPabZ	1837		31.5	#-390
12	+IPcPZ	1938		15.0	#-391
12	+IPZ	1938		31.9	
12	+EPZ	1941		52.4	#-392
12	-IPZ	2023		3.8	#-393
12	-EpPZ	2023		7.8	#-393
12	-EPZ	2053		33.4	
12	+IPZ	2053		40.0	
12	+EPZ	2053		45.0	
12	+EPZ	2318		4.0	
13	+EPZ	0115		30.0	
13	+EPZ	0116		51.4	#-394
13	-EPZ	0126		8.6	#-395
13	-EXZ	0126		19.0	#-395
13	+EPZ	0201		3.0	
13	+IPZ	0201		9.6	
13	+EPZ	0240		20.0	#-396
13	+EPcPZ	0240		28.4	#-396
13	+IPZ	0621		53.6	#-397
13	-EpPZ	0621		57.4	#-397
13	+IPPZ	0625		8.6	#-397
13	+EpPZ	0834		41.6	#-398
13	+EPZ	0932		2.8	#-399
13	+EpPZ	0932		7.1	#-399
13	+EpPKPdfZ	1340		56.0	#-400
13	+EpPKPbcZ	1341		6.6	#-400
13	-IXZ	1725		32.4	#-401
13	-EpPKPdfZ	1725		56.6	#-401
13	+IPZ	1717		59.0	#-402
13	-EsPZ	1718		3.4	#-402
13	+EPcPZ	1902		39.0	#-403
13	+EPdiffZ	2327		9.0	#-404
13	-EXZ	2332		5.0	#-404
13	+EPZ	2355		25.0	#-405
13	+IXZ	2355		33.0	#-405
14	+EPZ	0000		10.0	
14	+EPZ	0206		24.0	
14	+EPZ	0335		18.4	#-406
14	-EPcPZ	0335		19.8	#-406
14	+IpPZ	0335		26.0	#-406
14	+EPZ	0404		17.2	
14	+EPZ	0404		20.4	
14	-EPcPZ	0452		1.5	#-407
14	-EpPZ	0452		34.6	#-407
14	+EXZ	0504		34.6	#-408
14	-EPZ	0708		29.4	#-409
14	+EPcPZ	0708		32.6	#-409
14	+EXZ	1233		34.8	#-410
14	-IXZ	1350		40.0	#-411
14	-EXZ	1636		18.0	#-412
14	+EPZ	1745		0.6	
14	+EPZ	1745		5.8	
14	+EpPZ	1745		14.4	#-413
14	-EXZ	1804		4.0	#-414
14	+EPZ	1834		23.8	
14	-IPnZ	2036		1.4	#-415
14	-IPnZ	2036		3.0	#-415
14	-IPZ	2036		15.4	
14	+IPZ	2302		28.0	#-416

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
14	-IpPZ	2302		31.4	#-416
15	+EPZ	0308		48.0	
15	+EPZ	0309		39.0	
15	+EXZ	0311		55.0	#-417
15	+EPZ	0329		30.2	
15	-EpPZ	0618		32.0	#-418
15	+EPZ	0813		2.9	
15	-EPZ	0813		13.4	
15	+EPZ	0911		56.0	#-419
15	+IPcPZ	0911		58.4	#-419
15	-IXZ	0912		11.4	#-419
15	-IPZ	0921		18.4	#-420
15	-EPcPZ	0921		23.0	#-420
15	-EPZ	0949		14.0	#-421
15	+EpPZ	0949		21.0	#-421
15	+EPZ	0953		19.0	
15	+EPZ	0955		10.4	#-422
15	+EsPZ	0955		17.4	#-422
15	+EPZ	1000		27.5	#-423
15	+IpPZ	1000		48.5	#-423
15	+IPZ	1030		32.8	
15	-IPdiffZ	1108		49.6	#-424
15	-EXZ	1108		51.6	#-424
15	-EXZ	1110		45.6	#-425
15	+EXZ	1110		50.0	#-425
15	+EXZ	1426		15.4	#-426
15	+IPZ	1426		18.0	#-426
15	-IPZ	1457		1.7	#-427
15	+IXZ	1457		11.0	#-427
15	+IPZ	1502		19.0	#-428
15	+EPZ	1502		23.4	
15	+EPZ	1934		25.0	
15	-EPZ	1937		32.8	#-429
15	+EpPZ	2026		29.6	#-430
15	+EPZ	2059		43.0	#-431
15	+EPcPZ	2059		48.4	#-431
15	+EPZ	2244		39.6	
15	+EPZ	2244		41.6	
15	+EPZ	2244		48.0	
16	-IPZ	0004		51.4	#-432
16	-IPcPZ	0004		53.0	#-432
16	+IsPZ	0005		4.0	#-432
16	-IPZ	0111		46.6	#-433
16	-IPcPZ	0111		51.0	#-433
16	-EPZ	0122		47.2	
16	+EPZ	0327		10.8	
16	+EPZ	0327		14.4	
16	+EPZ	0514		9.0	
16	-EPZ	0514		10.4	
16	-EPZ	0923		21.0	
16	+EPZ	0923		24.5	
16	+EPZ	1019		25.8	#-434
16	+EPZ	1128		26.7	#-435
16	+EPcPZ	1128		29.0	#-435
16	-EPZ	2044		29.0	
16	+EPZ	2044		33.0	
16	+EPZ	2128		28.0	#-436
16	-IXZ	2128		30.8	#-436
16	-IsPZ	2128		36.0	#-436
16	ESH	2138		21.0	#-436
16	+EPZ	2306		6.4	#-437
16	+EpPZ	2306		12.0	#-437
17	+EPZ	0024		9.0	#-438
17	-EPcPZ	0024		19.4	#-438
17	-EPZ	0047		14.4	#-439
17	+EpPZ	0047		18.0	#-439
17	-IPZ	0146		54.0	#-440
17	+IpPZ	0146		56.6	#-440
17	+EPZ	0204		3.2	
17	+EPZ	0204		5.2	
17	-IXZ	0426		46.0	#-441
17	+EPZ	0503		23.0	#-442
17	+IPcPZ	0503		24.0	#-442
17	-EpPZ	0504		13.4	#-442
17	-EPZ	0523		22.6	
17	+EPZ	0523		29.8	#-443

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
17	+EPcPZ	05	23	40.6	#-443
17	-EPZ	05	31	33.0	#-444
17	+EsPZ	05	31	39.6	#-444
17	+EPcPZ	05	31	43.4	#-444
17	-EPZ	05	33	37.0	#-445
17	+EpPZ	07	25	16.5	#-446
17	+EsPZ	07	25	20.8	#-446
17	+EPZ	08	21	27.2	
17	+EpPZ	08	44	37.0	#-447
17	+EPZ	09	03	3.0	#-448
17	+EPdiffZ	09	18	42.0	#-449
17	+EPcPZ	11	24	24.6	#-450
17	+IPZ	11	25	4.9	
17	+EpPdiffZ	13	27	30.4	#-451
17	-EPZ	13	31	45.4	#-452
17	-IpPZ	13	31	47.4	#-452
17	+EPnPnZ	13	33	1.4	#-452
17	+EPcPZ	19	17	35.4	#-453
17	+EPZ	23	10	29.0	
17	-EPZ	23	10	35.2	
17	+EXZ	23	13	40.8	#-454
18	-EPZ	00	38	54.4	
18	+EPZ	03	16	39.2	
18	+EPZ	03	22	15.9	#-455
18	-EPZ	05	07	21.0	
18	+EPZ	05	19	32.0	#-456
18	+EXZ	05	19	37.2	#-456
18	+EPZ	07	24	40.0	
18	+EPcPZ	09	37	49.4	#-457
18	-EpPZ	09	37	57.6	#-457
18	+EPZ	09	39	2.0	
18	+IPZ	11	20	14.0	#-458
18	+EpPZ	11	20	16.0	#-458
18	+EPcPZ	11	20	25.0	#-458
18	+IPZ	14	44	46.0	
18	-EPZ	14	44	49.4	
18	+EPZ	14	47	53.0	#-459
18	-EpPZ	14	47	57.5	
18	+EPcPZ	14	48	4.4	
18	-IPZ	19	02	31.7	
18	-EPZ	20	56	27.0	
18	-EPZ	21	15	44.2	
18	+IPZ	21	38	46.0	#-460
18	+EpPZ	21	38	48.2	#-460
18	-IPcPZ	21	38	54.1	#-460
18	-EPZ	21	45	6.0	#-461
18	+EpPZ	21	45	9.0	#-461
18	+IPcPZ	21	45	14.0	#-461
18	-IPZ	22	07	33.0	#-462
18	+IpPZ	22	07	39.0	#-462
18	-IPZ	23	20	9.0	
18	+IPZ	23	20	12.7	
19	-IPZ	02	27	45.0	
19	+IPZ	03	06	12.0	
19	-IPZ	03	06	13.7	
19	-EPZ	03	06	19.0	
19	+EPZ	06	19	44.8	#-463
19	+EpPZ	06	20	7.0	#-463
19	-EPZ	06	38	0.6	#-464
19	+EXZ	12	33	50.2	#-465
19	+EPZ	14	50	29.0	#-466
19	+EPcPZ	14	50	31.6	#-466
19	+EpPKiKPZ	14	56	15.0	#-466
19	-EXZ	14	56	25.8	#-466
19	+EPZ	15	09	54.2	#-467
19	-EXZ	15	10	10.0	#-467
19	-IPZ	16	12	25.4	#-468
19	-IPcPZ	16	12	33.7	#-468
19	-IpPZ	16	12	37.6	#-468
19	-IXZ	19	05	34.0	#-469
19	+EXZ	19	05	44.6	#-469
19	-EXZ	20	07	23.6	#-470
19	+EPZ	20	23	26.2	#-471
19	-IpPZ	20	23	28.0	#-471
19	+IPZ	20	23	30.4	#-471
19	+EPZ	23	58	3.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
20	+IPZ	0108		12.8	
20	-EPZ	0108		16.4	
20	-IPZ	0140		5.0	
20	-EPZ	0140		7.0	
20	+EPZ	0550		32.4	#-472
20	+IPcPZ	0550		37.0	#-472
20	+EPZ	0552		10.2	
20	+IPZ	0721		23.0	
20	+EXZ	0754		50.0	#-473
20	-IPZ	0928		28.6	#-474
20	+EPZ	1224		51.6	#-475
20	+IPZ	1714		32.6	#-476
20	-IPdiffZ	1810		34.0	#-477
20	-IPZ	1811		6.0	
20	+EPZ	1811		9.4	
20	-IPZ	1811		31.4	
20	-EPZ	1852		56.0	#-478
20	-IPcPZ	1853		11.0	#-478
20	-EPZ	1857		28.6	#-479
20	+EpPZ	1857		34.0	#-479
20	-IPZ	2128		21.0	#-480
20	+EXZ	2128		28.0	#-480
20	-IXZ	2128		40.4	#-480
20	+IPZ	2144		40.0	#-481
21	+IPZ	0004		7.2	#-481
21	-EXZ	0004		14.6	#-481
21	+EPZ	0248		3.6	
21	+EPZ	0444		25.6	
21	+IXZ	0444		36.0	#-482
21	+EPZ	0949		11.0	
21	+EPZ	0949		13.4	
21	-EPZ	0949		15.5	
21	+EPZ	1053		38.4	#-483
21	+EppZ	1053		44.0	#-483
21	+EPZ	1127		11.6	#-484
21	+EpPZ	1127		34.9	#-484
21	+EPZ	1353		44.6	#-485
21	+EPcPZ	1353		47.6	#-485
21	-IpPZ	1353		53.4	#-485
21	+EPcPZ	1403		12.0	#-486
21	-IXZ	1404		49.0	#-487
21	+IXZ	1407		10.0	#-488
21	+EsPZ	1407		17.6	#-488
21	+EPcPZ	1409		19.0	#-489
21	+EXZ	1409		25.4	#-489
21	-EXZ	1417		40.2	#-490
21	+EPZ	1423		50.3	#-491
21	+EPcPZ	1423		53.0	#-491
21	+EsPZ	1423		56.6	#-491
21	+EPZ	1426		4.0	#-492
21	-EPZ	1428		57.0	#-493
21	-EPZ	1430		40.0	#-494
21	-EPcPZ	1437		48.0	#-495
21	+EsPZ	1437		50.6	#-495
21	+EPcPZ	1439		23.6	#-496
21	+EsPZ	1439		26.4	#-496
21	-EPZ	1458		48.2	
21	+EPZ	1500		16.0	#-497
21	-EPcPZ	1500		19.4	#-497
21	-EPZ	1521		12.2	#-498
21	+EPZ	1522		58.0	#-499
21	+EPcPZ	1535		39.7	#-500
21	-EsPZ	1535		42.0	#-500
21	+IPZ	1601		2.6	#-501
21	+IsPZ	1601		8.9	#-501
21	+EPZ	1713		39.0	
21	-EPZ	1713		49.2	
21	+EXZ	2116		29.8	#-502
21	-EPZ	2116		35.0	
21	+IPcPZ	2123		45.4	#-503
21	-EPZ	2302		28.4	
21	+EPZ	2302		42.4	
22	+EPZ	0022		6.0	
22	-EPcPZ	0023		4.2	#-504
22	+IPZ	0051		36.6	
22	+EPZ	0052		1.8	#-505

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
22	+EPZ	0113		2.2	
22	+EPZ	0126		13.0	
22	-IPdiffZ	1312		44.0	#-506
22	+EsPdiffZ	1312		51.2	#-506
22	+EPZ	1311		58.0	#-507
22	-IXZ	1312		1.8	#-507
22	-IPcPZ	1312		7.0	#-507
22	+IPZ	1312		20.0	
22	+IXZ	1327		0.0	#-508
22	-IPcPZ	1327		5.0	#-508
22	+EPZ	1332		53.0	#-509
22	+EpPZ	1332		57.0	#-509
22	-EPZ	1341		59.0	#-510
22	+EXZ	1342		0.0	#-510
22	+IsPZ	1342		4.0	#-510
22	+EpPZ	1356		14.6	#-511
22	+EPZ	1427		37.6	#-512
22	-EPZ	1449		45.4	#-513
22	+EpPZ	1549		22.0	#-514
22	+EPZ	1611		1.1	
22	+EPZ	1611		10.0	
22	+EpPZ	1903		47.0	#-515
22	-EPZ	2028		41.8	
22	-EPZ	2028		43.4	
22	+EPcPZ	2059		57.4	#-516
22	-EPZ	2141		57.2	#-517
22	+EpPZ	2142		8.4	#-517
22	+EPcPZ	2142		12.6	#-517
22	-EsPZ	2142		14.4	#-517
22	-EXZ	2153		49.6	#-518
22	+EPZ	2226		55.0	#-519
22	+EsPZ	2227		9.0	#-519
22	+EPZ	2300		2.2	
22	-EPZ	2300		4.0	
23	+EPZ	0129		3.0	
23	+EPZ	0129		6.0	
23	+EPZ	0129		16.6	
23	+EPZ	0410		26.0	
23	+EPZ	0416		27.0	
23	+IPZ	0442		38.4	#-520
23	-IPcPZ	0442		40.2	#-520
23	ESH	0452		19.0	
23	-IPZ	0443		3.0	#-521
23	+EPcPZ	0443		6.4	#-521
23	-EPZ	0457		35.2	#-522
23	-EPcPZ	0457		38.0	#-522
23	-EpPZ	0459		48.0	#-522
23	-EPZ	0524		40.5	
23	-EPZ	0531		26.0	#-523
23	-EPcPZ	0531		28.8	#-523
23	+EpPZ	0533		39.7	#-523
23	+EPZ	1030		19.0	
23	-EPZ	1030		29.2	
23	+EPZ	1100		43.0	#-524
23	+EPcPZ	1100		44.8	#-524
23	-EPZ	1423		39.0	
23	+EPZ	1423		47.2	
23	-EPZ	1613		6.0	#-525
23	+EXZ	1613		20.0	#-525
23	+IPZ	1832		2.0	#-526
23	-IpPZ	1832		8.8	#-526
23	-IPZ	1832		24.2	
23	-IPZ	1832		35.0	
23	+EPZ	1915		32.0	
23	+EpPZ	2035		4.4	#-527
23	+EPcPZ	2035		9.0	#-527
23	+EPZ	2129		26.0	
23	-EPZ	2216		22.6	#-528
23	-EpPZ	2216		30.6	#-528
23	-EsPZ	2216		36.0	#-528
24	+EXZ	0145		9.2	#-529
24	+EPcPZ	0145		15.0	#-529
24	+EPZ	0207		51.3	
24	+EPZ	0404		3.0	
24	+EPZ	0404		8.0	
24	+EPZ	1138		38.4	#-530

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
24	-IXZ	1138		41.0	#-530
24	+EPZ	1144		15.2	#-531
24	+EsPZ	1144		22.8	#-531
24	-EPZ	1147		35.6	#-532
24	+EpPZ	1147		41.6	#-532
24	+EPZ	1152		43.6	#-533
24	-IpPZ	1152		49.5	#-533
24	-IPcPZ	1152		54.2	#-533
24	-EPZ	1244		50.0	#-534
24	+EpPZ	1244		54.6	#-534
24	+EPZ	1557		30.4	#-535
24	+IXZ	1557		33.0	#-535
24	-IXZ	1557		35.6	#-535
24	-IXZ	1557		50.2	#-536
24	+IPcPZ	1558		6.4	#-536
24	-IpPZ	1559		4.4	#-536
24	+EPZ	1634		34.2	#-537
24	-IpPZ	1634		36.0	#-537
24	-EPcPZ	2030		26.4	#-538
25	-EPZ	0027		13.6	#-539
25	+IpPZ	0027		17.0	#-539
25	-EsPZ	0027		19.2	#-539
25	-EPcPZ	0027		22.0	#-539
25	-EsPZ	1010		17.4	#-540
25	+EPZ	1450		28.0	#-541
25	+EPcPZ	1450		34.6	#-541
25	-EPZ	1651		44.8	#-542
25	-EPcPZ	1651		47.4	#-542
25	+EsPZ	1654		35.7	#-542
25	+EPKPdfZ	1757		19.0	#-543
25	-ESKPdfZ	1800		29.0	#-543
25	-EPZ	2009		8.8	#-544
25	+EPZ	2009		15.0	
25	+EpPZ	2009		51.8	#-544
25	+EXZ	2217		30.0	#-545
25	-EPcPZ	2217		34.5	#-545
25	+EXZ	2217		49.0	#-545
26	-EPZ	0217		18.4	
26	-EPZ	0217		21.4	
26	-EPZ	0217		33.2	
26	+IXZ	0246		45.0	#-546
26	-IpPZ	0246		54.0	#-546
26	+EPZ	0313		26.5	
26	+IPZ	0340		55.0	#-547
26	-IpPZ	0342		41.0	#-547
26	-IPZ	0342		58.8	
26	+EPZ	0401		14.0	#-548
26	-EPcPZ	0401		19.0	#-548
26	-IPZ	0434		32.6	#-549
26	-IPcPZ	0434		36.4	#-549
26	+IPZ	0810		24.4	
26	+IPZ	0810		39.8	
26	+EPdiffZ	0904		43.0	#-550
26	+EpPdiffZ	0904		45.5	#-550
26	+EPZ	1124		12.6	#-551
26	-EpPZ	1124		24.0	#-551
26	+EPZ	1414		12.0	
26	-IPZ	1414		13.4	
26	-IPZ	1414		18.4	
26	+EpPZ	1827		51.0	#-552
26	+EPZ	2100		40.0	#-553
26	-EXZ	2100		43.0	#-553
27	-IPZ	0402		34.0	#-554
27	-IPcPZ	0402		37.0	#-554
27	-IsPZ	0403		13.4	#-554
27	-EPZ	0412		24.6	#-555
27	+EPcPZ	0412		34.4	#-555
27	+EXZ	0415		20.0	#-555
27	+EPZ	0905		7.0	
27	-EPZ	0905		12.2	
27	+EPZ	1811		56.0	#-556
27	+EPZ	1831		49.4	#-557
27	-EPcPZ	1831		53.0	#-557
28	-IPZ	0001		58.0	#-558
28	-IpPZ	0002		1.0	#-558
28	-IsPZ	0002		4.0	#-558

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
28	-EPZ	0021	41.6	#-559
28	-IpPZ	0021	50.2	#-559
28	-IsPZ	0021	54.2	#-559
28	+EsPZ	0721	11.4	#-560
28	-EPZ	0819	12.4	
28	-IPZ	0819	14.5	
28	+EPZ	0943	13.0	
28	+EPZ	0943	24.0	
28	+EPZ	0943	33.8	
28	-EXZ	1038	49.0	#-561
28	+EPdiffZ	1450	48.0	#-562
28	-EXZ	1450	53.4	#-562
28	+EPZ	1628	8.0	#-563
28	-EPZ	1636	24.6	
28	+EPZ	2020	0.1	
28	+EPdiffZ	2102	51.4	#-564
28	-EPZ	2214	25.4	
28	+EPZ	2214	28.1	
29	-IpPdiffZ	0426	39.0	#-565
29	+EPZ	0439	50.0	#-566
29	+IPZ	0758	53.0	#-567
29	-IpPZ	0758	55.4	#-567
29	+EXZ	0802	31.0	#-568
30	-IPZ	0152	45.0	
30	-IPZ	0152	47.4	
30	+EPZ	0351	10.0	
30	+IPZ	0351	14.7	
30	+EPcPZ	1707	16.0	#-569
30	-EPdiffZ	1724	26.8	#-570
30	+IPKiKPZ	1728	36.0	#-570
30	-IpPKiKPZ	1728	44.0	#-570
30	+EPZ	2021	38.0	#-571
30	-IPcPZ	2021	41.0	#-571
30	-EXZ	2022	16.0	#-571
31	+EPZ	0112	6.6	#-572
31	-EpPZ	0112	13.2	#-572
31	+IsPZ	0112	16.0	#-572
31	+EPZ	1005	45.6	#-573
31	-IPcPZ	1005	46.7	#-573
31	-EPZ	1304	51.2	#-574
31	+EPcPZ	1305	1.2	#-574
31	-IPZ	1353	49.0	#-575
31	+IpPZ	1353	50.6	#-575
31	+IPPZ	1357	22.2	#-575
31	-IPZ	1616	13.4	
31	+EPdiffZ	2004	1.4	#-576
31	+EpPdiffZ	2004	5.8	#-576
Apr. 1	+EPZ	0028	9.8	
1	-EPZ	0157	23.0	#-577
1	-EpPZ	0157	34.0	#-577
1	-EPZ	0211	17.2	#-578
1	-EPZ	0411	8.0	
1	+EPZ	0411	17.1	
1	+EPZ	0411	31.0	
1	+EPZ	0826	29.4	
1	+EPZ	0826	34.3	
1	+EPZ	0826	38.0	
1	+EPZ	0835	2.8	#-579
1	-EPZ	1008	10.1	
1	-EPZ	1008	19.0	
1	+EPZ	1415	51.4	
1	+EPZ	1415	53.4	
1	+EPZ	1919	26.7	
1	+EPZ	1919	36.0	
1	+EPZ	2044	30.6	#-580
1	-EpPZ	2044	54.2	#-580
1	-EsPZ	2045	5.0	#-580
1	+IXZ	2319	34.0	#-581
1	-EpPZ	2319	43.4	#-581
1	-IXZ	2320	45.0	#-581
1	-EPZ	2358	45.0	
2	+IPZ	0015	12.0	#-582
2	+IpPZ	0015	19.7	#-582
2	-IXZ	0018	39.0	#-583
2	-IPZ	0026	20.0	#-584
2	-EsPZ	0026	26.3	#-584

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
2	-EXZ	0030		44.8	#-585
2	-IPcPZ	0033		15.2	#-586
2	-EsPZ	0033		20.8	#-586
2	+EpPZ	0036		46.2	#-587
2	+EPZ	0045		8.0	#-588
2	-EsPZ	0045		16.0	#-588
2	+EXZ	0045		39.0	#-589
2	+EpPZ	0045		43.4	#-589
2	-EpPZ	0049		50.2	#-590
2	+EPZ	0054		14.8	#-591
2	+EpPZ	0054		20.4	#-591
2	-EPcPZ	0054		22.0	#-591
2	+EPZ	0130		27.0	
2	-EPZ	0132		57.0	#-592
2	+IpPZ	0133		4.2	#-592
2	+EPZ	0134		50.0	#-593
2	+EXZ	0138		43.0	#-594
2	+EpPZ	0141		42.0	#-595
2	+EPcPZ	0141		49.0	#-595
2	+IPZ	0142		1.6	
2	+EPZ	0145		32.4	
2	+EPcPZ	0146		4.4	#-596
2	+IsPZ	0146		12.0	#-596
2	+EPZ	0147		42.4	#-597
2	+EsPZ	0147		49.6	#-597
2	-EPZ	0202		52.4	#-598
2	+EpPZ	0206		8.0	#-599
2	+EPZ	0226		49.6	#-600
2	+EpPZ	0226		53.8	#-600
2	+EXZ	0304		29.0	#-601
2	-EXZ	0304		36.0	#-601
2	+EPZ	0320		51.8	#-602
2	+EpPZ	0343		0.8	#-603
2	+EPcPZ	0343		6.0	#-603
2	+IPZ	0352		16.6	#-604
2	+EsPZ	0352		20.4	#-604
2	+EXZ	0352		27.9	#-604
2	+EPZ	0355		14.6	#-605
2	+EPcPZ	0358		10.0	#-606
2	+EPZ	0403		2.4	
2	+EPZ	0425		9.0	#-607
2	+EpPZ	0425		11.2	#-607
2	+EsPZ	0425		14.0	#-607
2	+EPZ	0428		8.0	#-608
2	+EPcPZ	0428		16.0	#-608
2	-EsPZ	0431		52.4	#-609
2	+EPcPZ	0431		56.0	#-609
2	+IPZ	0458		6.7	
2	-EPZ	0458		16.8	#-610
2	+IpPZ	0458		21.2	#-610
2	-IsPZ	0458		24.8	#-610
2	-EPZ	0506		28.6	
2	-EPZ	0506		34.0	
2	+EPZ	0509		43.8	#-611
2	+IPcPZ	0509		51.0	#-611
2	+IPZ	0514		55.0	#-612
2	+IpPZ	0514		57.9	#-612
2	-EPcPZ	0515		3.2	#-612
2	+EPZ	0521		16.0	#-613
2	-EPcPZ	0521		26.3	#-613
2	-EpPZ	0524		26.0	#-614
2	+EPcPZ	0524		36.0	#-614
2	-EPcPZ	0544		9.0	#-615
2	+EPZ	0558		22.6	#-616
2	+EpPZ	0558		27.4	#-616
2	+EpPZ	0603		3.6	#-617
2	-EXZ	0603		14.6	#-617
2	+EPZ	0609		9.0	#-618
2	+EpPZ	0609		11.0	#-618
2	+EPcPZ	0609		17.6	#-618
2	+EPZ	0616		11.6	#-619
2	+EpPZ	0616		13.0	#-619
2	-EsPZ	0616		16.5	#-619
2	+IPZ	0641		14.0	#-620
2	-EpPZ	0641		17.6	#-620
2	+IPcPZ	0641		24.2	#-620

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
2	+EPZ	0715		34.8	#-621
2	+EPZ	0715		19.6	
2	+IPZ	0715		26.0	
2	+IPZ	0715		38.6	
2	-EPZ	0735		11.9	#-622
2	+EpPZ	0735		16.8	#-622
2	+EPZ	0837		48.2	#-623
2	-EXZ	0837		51.6	#-623
2	+EPZ	1024		23.2	
2	-IPZ	1119		32.0	#-624
2	+EpPZ	1119		36.6	#-624
2	-IPcPZ	1119		40.8	#-624
2	-EPZ	1123		23.0	
2	+EXZ	1123		28.6	#-625
2	+EXZ	1123		34.7	#-625
2	+EPZ	1214		9.8	
2	-IPZ	1214		14.4	
2	+IPZ	1214		37.0	
2	+IPZ	1308		13.6	
2	+EPZ	1312		54.0	#-626
2	+EPcPZ	1313		5.4	#-626
2	+EPdiffZ	1627		44.4	#-627
2	+EXZ	1627		48.3	#-627
2	+EPZ	1724		26.2	#-628
2	-EPcPZ	1724		36.4	#-628
2	+EsPZ	1724		45.0	#-628
2	-IPZ	1957		45.2	#-629
2	+EpPZ	1957		54.6	#-629
2	-EsPZ	1957		59.0	#-629
2	+EPZ	2205		33.3	
2	+EPZ	2205		36.0	
2	+EPZ	2319		28.4	
2	+EPZ	2319		31.6	
2	+EPZ	2319		37.4	
3	+EPZ	0008		19.0	
3	+EPZ	0008		28.0	
3	+EPZ	0008		40.0	
3	-EPZ	0013		15.0	#-630
3	+EXZ	0013		20.2	#-630
3	-EPZ	0125		34.0	#-631
3	+EPcPZ	0125		42.2	#-631
3	+IPZ	0210		24.9	#-632
3	-IpPZ	0210		33.0	#-632
3	-IPcPZ	0210		34.9	#-632
3	ESH	0220		17.2	#-632
3	+IXZ	0253		8.2	#-633
3	+IpPZ	0253		13.2	#-633
3	-EPZ	0255		7.4	#-634
3	-IpPZ	0255		13.0	#-634
3	+EPZ	0310		24.0	
3	+IPPZ	0310		53.0	#-635
3	+EPZ	0311		43.6	#-636
3	-EPcPZ	0311		55.7	#-636
3	+EPZ	0323		9.4	#-637
3	-IpPZ	0323		12.4	#-637
3	+IsPZ	0323		15.4	#-637
3	+EPZ	0323		26.6	#-638
3	-IsPZ	0323		32.4	#-638
3	-EXZ	0332		36.2	#-639
3	+EpPZ	0332		41.8	#-639
3	+EsPZ	0352		29.4	#-640
3	-EPcPZ	0352		33.0	#-640
3	-EPZ	0357		48.6	#-641
3	-IXZ	0357		55.0	#-641
3	+EpPZ	0429		53.0	#-642
3	+EPZ	0444		5.4	
3	-EPZ	0447		21.2	#-643
3	+EPcPZ	0447		30.0	#-643
3	+EsPZ	0447		34.2	#-643
3	+EPZ	0505		32.2	#-644
3	+IpPZ	0505		34.0	#-644
3	+IPZ	0529		10.2	#-645
3	+EpPZ	0529		16.2	#-645
3	-IPZ	0530		10.0	
3	+EXZ	0530		53.6	#-646
3	+EpPZ	0531		7.0	#-646

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
3	-EPZ	0538	6.4	#-647
3	+IXZ	0538	9.6	#-647
3	-EXZ	0540	42.4	#-648
3	-EpPZ	0540	46.4	#-648
3	-EsPZ	0540	50.4	#-648
3	-EPZ	0546	26.4	#-649
3	+EpPZ	0546	30.0	#-649
3	+EsPZ	0546	33.8	#-649
3	+IPZ	0603	37.6	#-650
3	+IpPZ	0603	46.0	#-650
3	+EPZ	0703	29.9	
3	+EPZ	0703	31.2	
3	+EPZ	0708	39.6	#-651
3	-EPZ	0727	33.4	#-652
3	+IPZ	0935	18.0	#-653
3	+IpPZ	0935	23.0	#-653
3	+IsPZ	0935	25.0	#-653
3	+IPcPZ	0935	27.0	#-653
3	-EPZ	0942	5.8	#-654
3	+EXZ	0942	15.2	#-654
3	-IsPZ	0942	23.6	#-654
3	-EPZ	1153	37.0	#-655
3	+EPZ	1308	27.8	#-656
3	+EPcPZ	1308	29.5	#-656
3	+EpPZ	1310	34.7	#-656
3	+EPZ	1418	49.6	
3	+EPZ	1418	51.3	
3	-IPZ	1419	3.6	
3	+EPZ	1422	29.5	#-657
3	+EpPZ	1422	35.0	#-657
3	+EPcPZ	1422	43.4	#-657
3	-EPZ	1520	4.8	#-658
3	+EXZ	1520	11.8	#-658
3	+EPZ	2015	13.1	
3	+EPZ	2015	18.0	
3	-EPZ	2015	25.0	
3	+EPZ	2015	29.6	
3	-EPZ	2306	7.0	#-659
3	+IPcPZ	2306	8.0	#-659
3	-EpPZ	2308	15.0	#-659
3	-EPZ	2349	48.2	#-660
3	+EpPZ	2349	56.0	#-660
4	-EPZ	0108	3.4	
4	+EPZ	0108	13.0	
4	-EPZ	0108	40.6	
4	+EPZ	0149	45.0	
4	+IpPZ	0149	48.6	#-661
4	+EsPZ	0149	51.7	#-661
4	-IPcPZ	0149	53.6	#-661
4	-EpPKiKPZ	0155	30.0	#-661
4	+EPZ	0446	9.9	#-662
4	-EsPZ	0446	30.8	#-662
4	+IPZ	0600	12.4	
4	+EPZ	0905	3.2	#-663
4	+IPZ	0950	5.0	
4	-EPZ	0950	55.0	#-664
4	+EpPZ	0950	56.7	#-664
4	+EPZ	0955	8.0	
4	-IPZ	1002	9.0	
4	+EPZ	1002	14.7	
4	-EPZ	1002	53.4	#-665
4	-EPcPZ	1003	19.8	#-665
4	+EsPZ	1003	25.0	#-665
4	+EPZ	1005	21.5	#-666
4	-EsPZ	1005	28.0	#-666
4	-IPZ	1013	28.2	#-667
4	+EpPZ	1013	31.0	#-667
4	-EPcPZ	1013	37.6	#-667
4	-EPZ	1119	6.2	
4	+EPZ	1119	8.0	
4	+EPZ	1119	12.2	
4	+EPZ	1153	28.6	#-668
4	+EPcPZ	1153	29.4	#-668
4	-IpPZ	1153	45.6	#-668
4	-IsPZ	1153	50.0	#-668
4	+EPZ	1615	33.4	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
4	+EXZ	2022		15.4	#-669
4	-EXZ	2022		43.0	#-669
4	+EPZ	2049		32.0	
4	+IPZ	2049		37.6	
4	-IPZ	2118		2.4	
4	+EPZ	2118		11.2	
4	+IPnZ	2156		4.0	#-670
4	-IPnZ	2156		7.0	#-670
4	+IPZ	2156		29.2	
4	-IPZ	2156		35.0	
4	-EPdiffZ	2254		52.0	#-671
4	+EXZ	2255		3.0	#-671
4	-EPZ	2340		1.0	
4	+EPZ	2340		3.6	
4	+EPZ	2340		13.4	
4	-EPZ	2340		21.4	
5	-EpPdiffZ	0132		26.4	#-672
5	+EPZ	0233		24.7	#-673
5	+EpPZ	0233		33.6	#-673
5	+IsPZ	0233		38.6	#-673
5	-EpPdiffZ	0336		38.7	#-674
5	-EPZ	0347		35.0	#-675
5	+EPcPZ	0417		7.0	#-676
5	-EPZ	0420		48.8	#-677
5	+EPZ	0416		7.0	
5	+EPZ	0416		18.0	
5	+EPZ	0556		53.0	#-678
5	-EPcPZ	0557		2.0	#-678
5	+EPZ	0806		16.6	#-679
5	+EsPZ	0806		24.0	#-679
5	+IPZ	1142		41.0	
5	-EPZ	1416		46.0	#-680
5	+IpPZ	1416		48.8	#-680
5	-IsPZ	1416		50.2	#-680
5	+EXZ	1521		16.4	
5	+EPZ	1853		44.0	
5	-EPZ	1853		48.0	
5	+EPZ	2111		21.2	

Date	Phase	Time H	M	S	Remarks
6	-EPZ	0010		45.6	
6	-EPZ	0119		21.0	
6	-EPZ	0124		6.8	
6	+EPZ	0124		25.0	
6	+IPZ	0124		26.2	
6	+EPZ	0130		2.0	
6	+IPZ	0130		4.0	
6	-EPZ	0130		19.7	
6	+EPZ	0159		23.8	
6	-IPZ	0159		35.0	
6	+EPZ	0317		6.8	
6	-EPZ	0317		12.2	
6	+EPZ	0317		23.0	
6	+EPZ	0514		14.4	
6	+EPZ	0514		23.9	
6	+IPZ	0826		50.0	
6	+EpPZ	0826		54.4	#-681
6	-EPZ	0919		43.0	
6	+EPZ	0919		51.6	
6	+EpPZ	1418		7.2	#-682
6	-EsPZ	1418		8.8	#-682
6	-EPZ	1433		12.2	#-683
6	+EpPZ	1433		46.3	#-683
6	+EPZ	1128		3.6	
6	+EPZ	1128		11.8	
6	+EPZ	1216		20.6	
6	+IPZ	1418		7.2	
6	-EPZ	1418		8.8	
6	-EPZ	1418		42.0	
6	+EXZ	1438		37.0	#-684
6	+EPcPZ	1438		51.8	#-684
6	-EPZ	1527		10.6	#-685
6	+EpPZ	1529		17.0	#-685
6	-EPZ	1606		2.0	
6	+EPZ	1606		3.6	
6	-EPZ	1606		9.0	
6	+EPZ	2004		18.7	
6	-EPZ	2004		22.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
6	+IPZ	2108	4.0	
6	+IPZ	2108	7.0	
6	+EPZ	2108	12.2	
6	+EPZ	2319	2.0	
6	+EPZ	2319	11.5	
7	+EPZ	0213	10.8	
7	+EPZ	0308	3.0	
7	+EPZ	0802	12.1	
7	+EPKPdfZ	0808	15.0	#-686
7	+EXZ	0808	20.2	#-686
7	+EXZ	0954	12.2	
7	-IPKiKPZ	0954	21.2	#-687
7	-IpPKPbcZ	0954	40.0	#-687
7	-IpPKiKPZ	0954	47.4	#-687
7	+IPZ	1040	35.0	
7	+IPZ	1053	32.3	#-688
7	+EPcPZ	1053	40.9	#-688
7	+IPZ	1056	4.8	
7	+IPZ	1309	1.0	#-689
7	+EpPZ	1309	15.0	#-689
7	+EsPZ	1309	21.2	#-689
7	+IPZ	1355	19.0	#-690
7	-IpPZ	1355	21.0	#-690
7	+EPZ	1359	32.0	#-691
7	-EpPZ	1359	35.8	#-691
7	-EPcPZ	1359	41.2	#-691
7	-EPZ	1415	43.2	#-692
7	-EPcPZ	1415	53.2	#-692
7	-EPZ	1443	2.6	#-693
7	-IPcPZ	1443	4.0	#-693
7	-EpPZ	1443	23.5	#-693
7	-EPZ	1539	30.0	#-694
7	-EPcPZ	1539	31.6	#-694
7	+EpPZ	1541	33.8	#-694
7	+EPZ	1645	19.4	#-695
7	-EsPZ	1645	24.8	#-695
7	-EPZ	1707	24.6	
7	+EXZ	1749	1.6	#-696
7	+EPPZ	1752	15.6	#-696
7	+EPZ	2301	26.4	
7	+EPZ	2301	41.6	
7	-EPZ	2317	3.8	
7	+EPZ	2317	9.6	
8	+IpPZ	1026	30.4	#-697
8	-IsPZ	1026	32.0	#-697
8	+IPZ	1600	15.0	
8	-EXZ	2235	46.0	#-698
8	+EpPZ	2235	55.0	#-698
9	-EPZ	0103	4.8	
9	-EPZ	0103	10.4	
9	+EPZ	0838	50.0	#-699
9	+EpPZ	0838	52.4	#-699
9	+EXZ	1015	45.4	#-700
9	+EPZ	1118	8.8	#-701
9	-IpPZ	1118	14.0	#-701
9	-EPZ	1126	41.0	#-702
9	+IsPZ	1126	44.0	#-702
9	-EXZ	1129	39.4	#-702
9	-EPZ	1655	26.4	#-703
9	+EPPZ	1811	14.0	#-704
9	+EPZ	1813	43.0	#-705
9	+EPZ	0715	43.6	
9	+EPZ	1009	33.8	#-706
9	+EPZ	1036	50.0	#-706
10	-EPZ	1801	9.4	#-707
10	-EsPZ	1801	16.2	#-707
10	+EPZ	1804	49.8	#-708
10	+IPZ	1825	43.8	#-709
10	+EPcPZ	1832	11.6	#-710
10	+EsPZ	1832	34.2	#-710
10	+EPcPZ	2032	24.0	#-711
10	+IXZ	2124	40.0	#-712
10	-EPZ	2125	19.6	
10	+EPZ	2239	4.0	
10	+EPZ	2240	2.0	#-713
10	+IpPZ	2040	3.0	#-713

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
10	+IPcPZ	22	50	23.8	#-714
10	+EPdiffZ	23	42	30.4	#-715
10	+EpPdiffZ	23	42	34.6	#-715
10	+EsPdiffZ	23	42	38.7	#-715
10	-IPZ	23	54	49.0	
11	+IXZ	00	16	4.8	#-716
11	-EpPdiffZ	00	16	11.0	#-716
11	+IPZ	00	13	7.4	#-717
11	-IPZ	00	13	40.2	#-717
11	-EPZ	00	57	54.0	#-718
11	+EPZ	01	18	46.0	#-719
11	-EXZ	01	18	55.0	#-719
11	+IPZ	07	20	27.0	#-720
11	+IPcPZ	07	20	29.0	#-720
11	+IPZ	07	27	13.6	
11	-IPZ	07	37	35.2	
11	+EPZ	07	37	48.4	
11	+EPZ	07	43	36.2	
11	-EPZ	07	43	49.4	
11	+EPZ	07	44	30.0	#-721
11	+IPZ	07	46	8.4	#-722
11	+EXZ	07	46	15.0	
11	-IPZ	08	29	56.0	#-723
11	-IPcPZ	08	29	57.8	
11	-EXZ	08	36	48.6	#-724
11	+EPZ	08	44	1.4	
11	-EPZ	08	44	10.2	
11	+EXZ	08	51	35.2	#-725
11	-EXZ	08	52	7.2	#-726
11	+EPcPZ	08	52	16.6	
11	+EPZ	09	04	8.4	#-727
11	+EpPZ	09	04	20.0	
11	-EPcPZ	09	10	35.0	#-728
11	+EPZ	09	49	1.0	#-729
11	-IPZ	09	50	18.2	
11	+EpPZ	10	43	44.8	#-730
11	-EPZ	10	44	5.0	
11	+EPZ	11	00	33.6	#-731
11	+EXZ	11	00	45.4	#-731
11	-EPZ	12	12	49.0	#-732
11	-EpPZ	12	12	53.6	#-732
11	+EPcPZ	12	12	56.2	#-732
11	+EpPZ	12	47	17.6	#-733
11	-IPZ	14	46	51.0	#-734
11	-IPcPZ	14	46	53.0	#-734
11	-EpPZ	14	47	1.4	#-734
11	-IPKiKPZ	15	55	20.4	#-735
11	-IXZ	15	56	23.4	
11	-EPZ	17	31	34.0	#-736
11	+EpPZ	17	31	43.2	#-736
11	+EpPZ	18	34	27.0	#-737
11	-IXZ	18	37	40.0	#-737
11	+EXZ	19	05	31.0	#-738
11	-EPcPZ	19	09	26.0	#-739
11	+IPdiffZ	20	43	34.0	#-740
11	-EXZ	20	44	11.0	#-740
11	+EXZ	20	48	12.4	#-740
11	-EsPKiKPZ	20	48	22.0	#-740
11	+EXZ	21	34	31.6	#-741
11	-EXZ	21	34	50.0	#-741
11	-EPZ	23	30	16.3	#-742
11	-EPcPZ	23	30	26.9	#-742
12	+EPZ	01	15	41.0	
12	+EPZ	01	15	49.2	
12	+EXZ	04	14	5.4	#-743
12	+EPZ	05	13	41.2	
12	+EPZ	05	13	45.0	
12	+EPZ	05	37	30.0	#-744
12	+EPcPZ	05	37	34.4	#-744
12	-EXZ	05	42	39.4	#-745
12	-EXZ	05	42	53.6	#-745
12	+EPZ	06	28	40.0	#-746
12	+EPcPZ	06	28	43.0	#-746
12	-EsPZ	06	28	51.0	#-746
12	+EPZ	06	35	24.0	#-747
12	-EpPZ	06	35	33.0	#-747

Table 1. Continued.

Date	Phase	Time H	Time M	S	Remarks
12	+EsPZ	0635		40.2	#-747
12	+IPZ	0904		26.6	
12	+IPZ	0904		29.5	
12	+EPZ	0907		15.2	#-748
12	-EpPZ	0907		18.4	#-748
12	-EpPZ	1108		54.2	#-749
12	+EsPZ	1108		56.7	#-749
12	-IPZ	1128		32.0	
12	-EPZ	1128		39.8	#-750
12	+EPZ	1305		19.4	
12	+EPZ	1305		26.7	
12	+EPZ	1558		1.8	#-751
12	+EPZ	1612		4.0	
12	+EPZ	1612		35.0	#-752
12	+EpPZ	1612		39.0	#-752
12	+IXZ	2027		35.0	#-753
12	-IPcPZ	2027		39.6	#-753
12	-IPZ	2037		42.6	#-754
12	-EPcPZ	2037		45.4	#-754
12	-EPZ	2042		55.0	#-755
12	-EPZ	2055		19.0	
12	+EXZ	2102		50.0	#-756
12	-EPZ	2130		2.0	#-757
12	-EPcPZ	2130		4.8	#-757
12	-EpPZ	2130		14.0	#-757
12	+EXZ	2132		36.9	#-758
12	+EpPZ	2135		34.6	#-759
12	-EPZ	2147		35.0	#-760
12	-EPZ	2152		2.0	#-761
12	+EPcPZ	2152		5.0	#-761
12	+EpPZ	2152		13.6	#-761
12	-EXZ	2231		45.0	#-762
12	-EXZ	2231		56.0	#-762
12	+EPZ	2258		25.0	
12	+EPZ	2258		27.0	
12	-EPcPZ	2327		8.4	#-763
12	+EPZ	2327		26.0	
13	+EPZ	0005		15.0	#-764
13	-EpPZ	0005		26.0	#-764
13	+EsPZ	0005		30.0	#-764
13	-EPcPZ	0036		39.6	#-765
13	+EPZ	0317		23.2	
13	+EPZ	0317		27.0	
13	+EsPZ	0449		36.0	#-766
13	+EPZ	0529		1.6	
13	+EXZ	0612		28.0	#-767
13	+EPZ	0912		5.0	
13	+EPZ	0912		18.4	
13	-EPZ	0912		33.2	
13	+EPZ	0925		12.0	#-768
13	+EPZ	0942		21.4	#-769
13	-EPcPZ	0942		25.0	
13	-EpPZ	1014		30.0	#-770
13	+EPZ	1018		39.0	#-771
13	-EPZ	1022		51.0	#-772
13	-EPZ	1056		9.4	#-773
13	-EsPZ	1056		16.2	#-773
13	-EPKiKPZ	1112		23.0	#-773
13	+EXZ	1112		37.0	#-773
13	+EPZ	1125		51.0	#-774
13	+EpPZ	1125		53.6	#-774
13	+EPZ	1223		25.4	#-775
13	-EPcPZ	1223		37.0	#-775
13	+EPZ	1249		13.6	#-776
13	-IPcPZ	1249		15.4	#-776
13	+EXZ	1258		10.2	#-777
13	-EPZ	1259		40.0	#-778
13	-EpPZ	1259		43.0	#-778
13	-EsPZ	1259		46.8	#-778
13	+EXZ	1305		8.0	#-779
13	+EsPZ	1305		16.6	#-779
13	-IPZ	1325		17.4	#-780
13	+EpPZ	1325		22.8	#-780
13	-IXZ	1332		24.0	#-781
13	-IPZ	1338		2.4	#-782
13	-IPcPZ	1338		3.5	#-782

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
13	-IpPZ	1338		5.9	#-782
13	+EPZ	1354		17.0	
13	-EPZ	1355		43.6	#-783
13	-EpPZ	1355		55.0	#-783
13	-EPZ	1446		25.0	
13	+EpPZ	1537		4.0	#-784
13	-EPZ	1633		6.6	#-785
13	+EPcPZ	1633		8.0	#-785
13	+EpPZ	1633		10.0	#-785
13	-EPZ	1728		45.6	#-786
13	+EPZ	1824		25.0	#-787
13	+EpPZ	1824		29.6	#-787
13	+EPZ	1925		4.4	
13	-EPZ	1925		11.2	
13	+EPZ	1925		14.0	
13	+EPZ	2051		10.4	
13	-EPZ	2051		45.6	
13	+EPZ	2126		33.4	#-788
13	-EsPZ	2126		40.8	#-788
13	-EsPZ	2135		5.2	#-789
13	+EPcPZ	2202		12.4	#-790
13	+EpPZ	2202		23.0	#-790
13	-EPcPZ	2351		43.0	#-791
13	-EXZ	2355		23.0	#-791
14	+EPZ	0014		3.4	
14	+EPZ	0014		6.6	
14	-EPZ	0014		10.0	
14	+EpPZ	0022		18.4	#-792
14	+EsPZ	0022		25.0	#-792
14	+EPZ	0025		16.4	#-793
14	+EpPZ	0025		19.4	#-793
14	-EPPZ	0028		54.2	#-793
14	-EPZ	0221		5.2	#-794
14	-EsPZ	0221		13.0	#-794
14	+EPPZ	0224		30.0	#-794
14	+EPZ	0343		14.4	#-795
14	+EPcPZ	0343		17.2	
14	-EsPZ	0343		24.0	
14	-EPZ	0412		23.0	
14	+EPZ	0412		39.7	
14	+EPdiffZ	0521		49.2	#-796
14	-EPKiKPZ	0525		40.0	
14	-EsPZ	0530		39.0	#-797
14	+EPZ	0608		12.3	#-798
14	-EpPZ	0608		16.4	
14	-IPZ	0608		20.0	
14	-EXZ	0642		45.0	#-799
14	-EPcPZ	0649		6.8	#-800
14	-EPZ	0729		33.6	#-801
14	+EPZ	0734		6.9	
14	+EPZ	0734		15.6	
14	+IPZ	0746		59.0	
14	-EPZ	0747		4.2	
14	-EPZ	0747		8.2	
14	+EPZ	0753		41.7	#-802
14	-EPcPZ	0753		43.0	#-802
14	+EPZ	0800		18.2	#-803
14	+EPZ	0822		54.4	#-804
14	-EsPZ	0823		3.4	#-804
14	+EPZ	0831		15.2	#-805
14	+EXZ	0831		36.0	#-805
14	+EPZ	0836		18.8	
14	+EPZ	0836		29.6	
14	+IPZ	0838		38.0	#-806
14	+EXZ	0840		40.0	#-807
14	+EpPZ	1100		29.2	#-808
14	+EsPZ	1100		34.6	#-808
14	-EPZ	1111		3.1	
14	+EPZ	1128		7.2	
14	+EPZ	1128		37.0	
14	-EPcPZ	1321		40.0	#-809
14	+EpPZ	1321		45.0	#-809
14	+EpPZ	1347		41.2	#-810
14	+EsPZ	1347		43.3	#-810
14	+EPZ	1518		18.4	#-811
14	+IPcPZ	1518		23.0	#-811

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
14	-EPcPZ	1628		42.0	#-812
14	+EPZ	1646		7.0	
14	+EPZ	1646		25.3	
14	+EPZ	1704		24.6	#-813
14	-EPZ	1851		7.0	#-814
14	+EPZ	1853		3.0	
14	+EPZ	2025		23.4	
14	+EPdiffZ	2055		23.6	#-815
14	-EXZ	2055		33.0	#-815
14	-EPZ	2207		49.0	
14	+EPZ	2207		56.0	
14	-EPZ	2310		23.0	
14	+EPZ	2310		25.6	
14	+EPZ	2320		20.0	
14	+EPZ	2320		28.0	
14	+EPZ	2320		32.6	
14	+EPZ	2353		6.6	#-816
15	+EPZ	0001		25.0	
15	+EPZ	0001		35.4	
15	EPZ	0004		24.0	
15	+EPZ	0004		29.1	
15	+EPZ	0009		29.1	#-817
15	-EpPZ	0009		35.6	#-817
15	+EPZ	0020		14.6	
15	+EPZ	0020		17.0	
15	+EPZ	0020		50.2	#-818
15	-EpPZ	0020		56.8	#-818
15	-EPZ	0037		28.4	#-819
15	+EpPZ	0037		30.7	#-819
15	-EPZ	0257		19.0	#-820
15	+EpPZ	0257		33.2	#-820
15	+EsPZ	0257		42.6	#-820
15	-IPZ	0401		41.2	#-821
15	-EPZ	0506		0.0	
15	+EPZ	0708		9.6	
15	+EXZ	1200		22.0	#-822
15	-EPZ	1342		49.8	#-823
15	+EpPZ	1342		53.9	#-823
15	+EsPZ	1342		55.4	#-823
15	+EPZ	1518		43.8	
15	+EPZ	1551		20.4	#-824
15	+EPZ	1621		33.0	#-825
15	-IpPZ	1621		35.4	#-825
15	+IsPZ	1621		40.0	#-825
15	-IpPZ	1633		18.6	#-826
15	+EPZ	1724		18.0	#-827
15	+IPZ	1748		0.8	
15	+EPZ	1748		10.2	
15	-EPZ	1911		37.2	#-828
15	+EpPZ	1911		43.2	#-828
15	-EsPZ	1911		45.0	#-828
15	-EPZ	1918		11.0	#-829
15	+EPcPZ	1929		26.4	#-830
15	-EpPZ	1929		39.8	#-830
16	+EPZ	0016		2.2	
16	+EPZ	0016		7.1	
16	+EPZ	0016		17.1	
16	-EPZ	0126		32.0	
16	+EPZ	0326		8.4	#-831
16	+IpPZ	0326		12.6	#-831
16	-EPcPZ	0326		15.0	#-831
16	+EPcPZ	0331		39.8	#-832
16	+EPZ	0345		35.0	#-833
16	-EpPZ	0347		45.0	#-833
16	-EPZ	0432		31.8	#-834
16	+EpPZ	0432		37.7	#-834
16	+EXZ	0638		14.2	#-835
16	+IPZ	0639		2.7	
16	-EPZ	0814		17.0	
16	-EPZ	0814		25.1	
16	+EPcPZ	0831		18.0	#-836
16	+EPcPZ	1013		13.2	#-837
16	+EsPZ	1013		22.8	#-837
16	+EPZ	1015		26.9	
16	+EPcPZ	1037		45.0	#-838
16	+EpPZ	1156		55.7	#-839

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
16	+EpPZ	16	21	14.7	#-840
16	+EXZ	16	21	20.4	#-840
16	+EPcPZ	17	50	22.8	#-841
16	-EsPZ	17	50	35.6	
16	+EPZ	17	57	5.2	
16	-EPZ	18	14	29.0	
16	+EPZ	18	14	35.3	
16	-EPcPZ	20	13	16.6	#-842
16	+EpPZ	20	13	21.0	#-842
16	-EPKPdfZ	20	44	24.0	#-843
16	-EXZ	20	45	45.0	#-843
16	-EPZ	20	53	8.2	
16	+EPZ	23	37	15.9	
16	-EPZ	23	37	20.0	
17	-EPZ	03	15	14.8	
17	-EPZ	03	15	19.0	
17	+EPZ	03	15	24.6	
17	+EPZ	04	50	24.2	#-844
17	-EpPZ	04	52	28.2	#-844
17	+EPZ	08	33	12.1	
17	+EPZ	08	33	15.8	
17	+EPZ	11	00	14.6	
17	-EPZ	11	00	16.6	
17	+EPZ	11	00	46.8	
17	-EPZ	13	14	35.0	#-845
17	+EPcPZ	13	14	41.0	#-845
17	+EXZ	13	19	51.6	#-846
17	+EPZ	13	31	53.4	#-847
17	+EXZ	15	14	24.2	#-848
17	+EPZ	15	14	37.0	#-848
17	-EPnPnZ	15	16	10.4	#-848
17	+EPZ	15	18	42.8	#-849
17	+EsPZ	15	18	48.0	#-849
17	+EPZ	16	01	29.2	
17	+EPZ	16	01	34.2	
17	+EPZ	16	13	31.4	
17	+EPZ	16	13	37.1	
17	+IPZ	16	47	24.0	#-850
17	+EPcPZ	16	47	29.6	#-850
17	+EPZ	17	12	51.6	#-851
17	+EPZ	21	40	30.0	
17	-EPZ	23	03	12.4	
17	-EPZ	23	03	17.0	
17	-IPZ	23	03	23.0	
17	-EXZ	23	16	39.6	#-852
17	+EPKiKPZ	23	19	17.4	#-852
17	+IPZ	23	19	29.8	#-853
17	+IPnPnZ	23	20	35.0	#-853
17	-EPZ	23	31	31.4	#-854
17	-EPcPZ	23	31	33.0	#-854
18	+EXZ	01	59	15.7	#-855
18	-EPZ	02	39	21.0	
18	+EPZ	02	39	24.9	
18	-EPZ	03	25	15.0	
18	-EPZ	03	25	19.0	
18	+IPZ	04	26	15.6	#-856
18	-IpPZ	04	26	20.0	#-856
18	-EPZ	05	16	14.0	
18	+EPZ	05	16	19.2	
18	-EPZ	05	36	31.6	#-857
18	-EpPZ	07	09	47.0	#-858
18	+EPZ	07	41	2.0	
18	+EXZ	07	41	45.2	#-859
18	+EXZ	07	43	29.0	#-860
18	+IPZ	07	56	47.7	
18	-IXZ	07	57	15.0	#-861
18	+EXZ	07	59	3.0	#-861
18	ESH	08	05	15.0	#-861
18	+EPZ	08	23	25.2	
18	+EPZ	13	45	13.6	#-862
18	-EpPZ	13	45	19.6	#-862
18	+EPZ	14	14	10.0	
18	+EXZ	14	42	42.0	#-863
18	+EPKPdfZ	14	46	19.0	#-863
18	-IpPKPdfZ	14	46	25.5	#-863
18	+IpPKiKPZ	14	46	28.8	#-863

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
18	-EPZ	1518	45.8	#-864
18	+EPcPZ	1519	0.2	#-864
18	-EPZ	1537	13.0	#-865
18	+EsPZ	1537	19.6	#-865
18	+EPPZ	1540	49.0	#-865
18	+EPZ	1651	38.4	#-866
18	+EPcPZ	1651	43.8	#-866
18	+EpPZ	1653	25.2	#-866
18	+EPZ	1737	4.0	
18	+EPZ	1803	2.2	
18	+EPZ	1803	6.2	
18	-EPZ	1806	45.0	#-867
18	-EPKPdfZ	1904	25.0	#-868
18	+EpPKPdfZ	1904	32.8	#-868
18	+EPZ	1912	9.4	
18	+EPZ	1912	13.8	
18	-EPKPdfZ	1916	49.8	#-869
18	+EpPKPdfZ	1917	2.6	#-869
18	+EsPKPdfZ	1917	5.1	#-869
18	-IPZ	1912	44.4	#-870
18	+EpPZ	1912	47.8	#-870
18	+EPZ	2047	3.0	
18	+EPZ	2047	4.8	
18	+EPZ	2047	8.2	
18	+EPZ	2118	1.4	
18	+EPZ	2118	19.0	
18	+EPZ	2118	32.0	
18	-EPZ	2118	37.6	
18	+EPZ	2143	15.0	#-871
18	-EpPZ	2143	20.8	#-871
18	+EPZ	2207	5.0	
18	+EPZ	2257	4.8	
18	+EPZ	2312	25.4	
18	+EPcPZ	2357	44.5	#-872
18	+EPPZ	0000	25.8	#-872
19	+EPZ	0112	3.0	
19	-IPZ	0117	10.6	#-873
19	-IpPZ	0117	20.4	#-873
19	+EsPZ	0117	24.0	#-873
19	ESH	0128	15.2	#-873
19	-IPZ	0121	35.0	#-874
19	-IPcPZ	0121	40.0	#-874
19	+EPZ	0215	2.0	
19	+EPZ	0215	7.0	
19	+EPZ	0719	13.0	#-875
19	+EPcPZ	0719	18.8	#-875
19	+EXZ	0836	14.0	#-876
19	+EPcPZ	0836	17.9	#-876
19	+EPZ	1042	30.0	#-877
19	+EPcPZ	1105	41.3	#-878
19	+EPZ	1304	27.7	#-879
19	-EPcPZ	1304	29.6	#-879
19	+EPZ	1334	23.4	#-880
19	+EPZ	1336	40.0	#-881
19	-EPZ	1341	5.0	#-882
19	-IPcPZ	1341	7.7	#-882
19	+IsPZ	1341	26.0	#-882
19	ESH	1352	7.0	#-882
19	-IPZ	1345	0.8	#-883
19	-IPcPZ	1345	2.0	#-883
19	+EPZ	1358	3.2	#-884
19	+EsPZ	1358	19.0	#-884
19	+EPcPZ	1359	23.8	#-885
19	+IXZ	1400	50.0	#-886
19	-IPcPZ	1400	53.0	#-886
19	+IpPZ	1401	5.1	#-886
19	-EPZ	1404	30.4	#-887
19	-EpPZ	1400	39.7	#-887
19	+EXZ	1406	13.0	#-888
19	+EsPZ	1406	26.0	#-888
19	-EXZ	1406	55.0	#-889
19	+EPZ	1430	14.5	#-890
19	+EPcPZ	1430	17.6	#-890
19	+EXZ	1430	23.0	#-890
19	-EXZ	1432	45.0	#-891
19	-EPcPZ	1432	49.6	#-891

Table 1. Continued.

Date	Phase	Time H	Time M	S	Remarks
19	+EXZ	14	34	16.9	#-892
19	+EpPZ	14	45	23.0	#-893
19	-EPZ	15	09	38.0	#-894
19	-EPcPZ	15	09	39.7	#-894
19	+EsPZ	15	09	52.1	#-894
19	+EPdiffZ	15	13	41.9	#-895
19	+EpPdiffZ	15	13	47.8	#-895
19	+EPZ	16	02	56.0	#-896
19	+EPcPZ	16	54	50.4	#-897
19	-EPZ	17	02	40.0	#-898
19	-EXZ	17	03	3.2	#-898
19	+EPcPZ	17	09	22.4	#-899
19	-IPZ	17	32	52.8	#-900
19	+EPcPZ	17	32	55.0	#-900
19	+EpPZ	17	58	32.0	#-901
19	-EsPZ	17	58	38.2	#-901
19	-EXZ	18	03	43.0	#-902
19	-EXZ	18	08	23.4	#-903
19	+EXZ	18	22	26.0	#-904
19	-EXZ	18	24	23.0	#-905
19	-EpPZ	18	24	40.0	#-905
19	+EXZ	18	42	35.0	#-906
19	+EpPZ	18	42	51.2	#-906
19	-EXZ	19	29	24.0	#-907
19	+EPZ	19	45	11.6	
19	-EPZ	19	45	14.5	
19	+EPZ	19	45	25.0	
19	+EPZ	20	06	33.0	
19	+EPZ	20	13	19.8	#-908
19	-EsPZ	20	13	39.4	#-908
19	+EXZ	21	06	38.0	#-909
19	-EXZ	21	06	42.0	#-909
19	-IPcPZ	21	06	51.0	#-909
19	+EPZ	22	45	14.2	
19	+EPZ	22	45	21.9	
19	+EPZ	22	45	30.4	
19	+EPZ	23	19	21.2	#-910
19	+EPcPZ	23	19	26.8	#-910
19	-EpPZ	23	19	37.6	#-910
20	-EPZ	00	23	51.6	#-911
20	+EPZ	00	29	5.2	#-912
20	-IpPZ	00	29	11.8	#-912
20	-IsPZ	00	29	14.8	#-912
20	+EPZ	01	09	24.6	#-913
20	+EpPZ	01	09	53.2	#-913
20	+EPZ	01	56	5.4	#-914
20	-EpPZ	01	56	13.2	#-914
20	-EPZ	02	02	12.0	
20	+EPZ	02	02	28.0	
20	-IPZ	02	06	33.3	#-915
20	+EpPZ	02	06	37.3	#-915
20	+EPPZ	02	09	42.2	#-915
20	+EPZ	02	34	14.2	
20	+EpPZ	02	34	42.6	#-916
20	-EPZ	02	42	5.2	#-917
20	+EPcPZ	02	42	15.4	
20	-EPZ	04	30	39.6	#-918
20	+IPZ	04	30	42.0	
20	+EPZ	04	36	23.3	#-919
20	+EpPZ	04	36	27.2	
20	+EpPZ	04	42	21.8	#-920
20	+EPZ	05	17	6.2	
20	+EPZ	05	17	11.2	
20	+EPZ	05	17	35.0	
20	+EPZ	07	12	30.2	
20	-EPZ	07	12	46.8	
20	-EpPZ	07	58	48.4	#-921
20	+EXZ	08	23	17.0	#-922
20	+EXZ	08	23	40.0	#-922
20	+EPZ	08	37	35.0	#-923
20	-EXZ	08	37	45.6	#-923
20	+EPZ	08	54	18.5	
20	+EXZ	08	55	54.0	#-924
20	+IPcPZ	08	56	4.6	#-924
20	+EpPZ	08	56	10.0	#-924
20	+EsPZ	09	09	55.6	#-925

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
20	-EPZ	10	10	12.2	
20	+EPZ	10	10	20.2	
20	+EPZ	12	33	43.4	
20	+EPZ	12	33	45.0	
20	+EPcPZ	13	41	48.6	#-926
20	+EpPZ	13	42	2.0	#-926
20	+EsPZ	13	42	8.4	#-926
20	+EPKPdfZ	14	10	23.4	#-927
20	-IPKPbcZ	14	10	25.2	#-927
20	+IPKiKPZ	14	10	27.6	#-927
20	+EPcPZ	14	20	45.1	#-928
20	+EPZ	14	20	56.6	#-929
20	+EPZ	14	21	41.0	
20	+EPZ	15	10	40.0	
20	+EPZ	15	13	28.0	
20	-EPZ	15	13	39.0	
20	+EPdiffZ	16	09	42.0	#-930
20	-EPcPZ	16	34	29.6	#-931
20	-EsPZ	16	34	46.0	#-931
20	+EPZ	17	33	4.6	
20	+EPZ	17	33	12.4	
20	+EPZ	22	21	5.2	
20	+EPZ	22	21	9.2	
20	-EPZ	22	33	13.6	
20	-EXZ	23	13	15.0	#-932
20	+EPZ	23	30	18.0	
20	+EXZ	23	30	32.0	#-933
21	-EPZ	02	07	36.4	
21	-EPZ	02	09	7.0	
21	-EXZ	02	44	41.0	#-934
21	+EXZ	02	44	50.1	#-934
21	-EPZ	03	24	15.0	
21	+EPZ	03	24	24.2	
21	+EPZ	03	30	21.0	#-935
21	-EsPZ	03	30	27.0	#-935
21	+EPZ	05	15	32.9	
21	-EPcPZ	06	34	33.0	#-936
21	+EPZ	07	33	20.0	
21	+EPZ	08	41	22.5	
21	-IPZ	09	17	31.0	#-937
21	+IpPZ	09	17	39.0	#-937
21	+EsPZ	09	17	45.8	#-937
21	+EXZ	11	42	15.4	#-938
21	+EPcPZ	12	46	31.4	#-939
21	+IPZ	13	49	58.9	#-940
21	+EsPZ	13	50	8.8	#-940
21	+EPZ	13	51	7.8	#-941
21	+EPcPZ	13	51	14.2	#-941
21	+EPKPdfZ	14	22	2.6	#-942
21	-EXZ	14	22	14.0	#-942
21	+EPZ	15	11	0.4	#-943
21	+EsPZ	15	11	18.0	#-943
21	+EPZ	15	49	42.6	
21	+EPZ	15	49	51.0	
21	+EPZ	17	12	12.0	
21	-EPZ	17	12	14.6	
21	+EPcPZ	18	33	22.0	#-944
21	+EsPZ	18	33	27.8	#-944
21	+EPZ	19	59	56.2	#-945
21	+EPdiffZ	20	59	18.0	#-946
21	+EpPdiffZ	10	59	20.6	#-946
21	+EPcPZ	21	54	18.0	#-947
21	-EpPZ	21	54	23.6	#-947
21	-EsPZ	21	54	27.4	#-947
21	-EPZ	22	12	11.2	#-948
21	+EpPZ	22	12	17.0	#-948
21	+EPcPZ	23	44	35.0	#-949
22	+EPZ	04	04	28.0	
22	+EPZ	04	04	29.2	
22	+EPZ	04	04	39.0	
22	+EPZ	05	08	28.4	
22	+EsPZ	05	11	12.9	#-950
22	-EPZ	10	25	13.2	
22	+IPZ	10	25	14.8	
22	-EPZ	10	25	18.0	
22	-EPZ	10	25	24.4	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
23	+EPcPZ	02	51	24.4	#-951
23	+EPZ	03	09	8.9	
23	-EPZ	05	37	2.0	
23	+EPZ	05	37	7.2	
23	-EPZ	05	53	7.2	
23	+EpPZ	05	53	19.4	#-952
23	+EPZ	06	07	10.0	
23	+EPZ	06	07	15.0	
23	+EPZ	06	07	19.5	
23	+EPZ	08	45	0.8	
23	+EPZ	08	45	2.8	
23	+EPZ	08	45	8.4	
23	+EPZ	09	11	40.0	#-953
23	-IXZ	09	11	52.0	#-953
23	-EXZ	10	44	33.6	#-954
23	+EPZ	11	03	14.1	
23	+EsPZ	12	11	35.0	#-955
23	+EPcPZ	12	11	51.0	#-955
23	+EpPZ	14	05	22.8	#-956
23	+EPZ	16	12	30.4	
23	-EPZ	16	12	33.6	
23	+EPZ	16	12	40.6	
23	-EPZ	17	13	18.6	
23	+EXZ	18	22	20.2	#-957
23	+EpPdiffZ	18	35	5.0	#-958
23	-IPZ	18	35	35.0	
23	+IPZ	20	15	33.5	#-959
23	-IPcPZ	20	15	36.0	#-959
23	+EpPZ	21	43	45.3	#-960
23	+EsPZ	22	26	43.0	#-961
23	+EXZ	22	43	53.6	#-962
23	+EsPKPdfZ	22	44	4.0	#-962
23	-EPZ	22	54	11.6	#-963
23	-EpPZ	22	54	19.6	#-963
24	-IPcPZ	02	30	33.6	#-964
24	+EpPZ	02	30	48.6	#-964
24	+IsPKPdfZ	03	30	13.0	#-965
24	+IPKPabZ	03	30	45.6	#-965
24	+IpPKPabZ	03	30	50.0	#-965
24	+IXZ	10	17	42.4	#-966
24	-IXZ	10	17	45.2	#-966
24	-IpPZ	12	52	4.4	#-967
24	-EPcPZ	12	55	10.3	#-967
24	+IPZ	20	04	17.6	#-968
24	-IXZ	20	04	33.0	#-968
25	+IPZ	03	24	4.2	
25	+IPZ	03	24	14.4	
25	-EsPZ	04	50	10.2	#-969
25	-EXZ	08	55	9.0	#-970
25	+EPPZ	08	58	32.0	#-970
25	+EPZ	10	10	1.6	
25	-EPZ	10	10	5.4	
25	-EPZ	16	22	29.9	#-971
25	+EpPZ	16	22	44.8	#-971
25	-EsPZ	16	22	48.8	#-971
25	-EPZ	17	08	2.0	
25	+EPZ	17	08	4.4	
25	+EpPZ	18	16	31.0	#-972
25	+IPZ	20	06	1.4	
25	+IPZ	20	06	25.4	
25	+EPcPZ	21	13	17.2	#-973
26	+EPZ	01	47	50.0	#-974
26	+EPZ	02	43	1.4	#-975
26	+EpPZ	02	43	5.2	#-975
26	+EPdiffZ	04	12	33.0	#-976
26	-EPZ	04	32	55.6	#-977
26	-EpPZ	04	33	9.4	#-977
26	-IPZ	06	15	0.8	#-978
26	-IPcPZ	06	15	2.2	#-978
26	-IpPZ	06	15	13.0	#-978
26	ESH	06	25	24.6	#-978
26	+EXZ	06	24	41.8	#-979
26	-EPZ	06	53	31.8	
26	+EPZ	06	53	40.1	
26	+EPZ	07	07	5.9	
26	+EPZ	07	07	15.4	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
26	+EPZ	0708		46.8	#-980
26	+EpPZ	0708		50.4	#-980
26	+EpPZ	0712		8.3	#-981
26	+EPcPZ	0712		35.6	#-981
26	+EPZ	0723		22.9	
26	+EPZ	0723		31.3	
26	-EPZ	1023		35.4	
26	+EPZ	1023		42.0	
26	-EPZ	1023		55.4	
26	+EpPdiffZ	1348		35.0	#-982
26	+EPPZ	1353		9.8	#-982
26	+EXZ	1413		27.0	#-983
26	+EPKPdfZ	1415		10.2	#-983
26	+EPZ	1616		57.0	#-984
26	-EpPZ	1617		9.2	#-984
26	+EPZ	1756		24.8	#-985
26	+EsPZ	1756		39.2	#-985
26	+IPZ	1909		56.0	#-986
26	+EPZ	2048		26.2	
26	+EPZ	2048		42.0	
26	+EPZ	2051		2.8	#-987
26	+EPZ	2302		18.0	
26	+EPZ	2302		38.8	
27	+EPZ	0109		21.2	#-988
27	-EsPZ	0109		26.0	#-988
27	+EPZ	0319		18.7	
27	+EPZ	0833		41.6	
27	-EPZ	1201		4.0	
27	+EPZ	1213		25.0	
27	-IPdiffZ	1351		6.4	#-989
27	+EpPdiffZ	1351		13.0	#-989
27	+EPKPdfZ	1354		58.0	#-989
27	+EPZ	1402		13.4	#-990
27	+EPcPZ	1402		18.0	#-990
27	+EsPZ	1402		36.6	#-990
27	+IXZ	1530		21.0	#-991
27	+EPZ	1534		20.2	
27	-EpPZ	1635		52.4	#-992
27	+EsPZ	1636		2.4	#-992
27	+EPZ	1703		31.9	
27	+EPZ	1703		54.6	
27	+EPZ	1821		6.2	
27	+EPZ	1821		15.4	
27	+EXZ	1823		44.4	#-993
27	+EPZ	2327		21.0	
27	+EPZ	2327		49.6	
28	-EPZ	0021		39.0	#-994
28	+EPZ	0056		38.6	
28	-EpPdiffZ	0058		1.0	#-995
28	-EsPdiffZ	0058		2.4	#-995
28	-EPZ	0511		15.7	
28	+EPZ	0622		6.4	
28	+EPZ	0622		18.7	
28	-EpPdiffZ	0637		29.0	#-996
28	+EPZ	0713		9.0	
28	+EXZ	1211		50.6	#-997
28	-EPcPZ	1211		56.0	#-997
28	+EPZ	1251		11.4	#-998
28	+EpPZ	1251		17.5	#-998
28	+EPcPZ	1253		25.2	#-998
28	+EXZ	1405		41.4	#-999
28	+EPZ	1410		39.2	#-1000
28	-EPZ	1619		7.0	#-1001
29	-EPZ	0302		47.4	
29	-EPZ	0302		49.0	
29	-IPZ	0303		4.6	
29	+EPZ	0630		4.0	
29	+EPZ	0630		8.3	
29	+EPZ	0630		16.0	
29	+EPcPZ	1316		38.0	#-1002
29	-EsPZ	1316		43.0	#-1002
29	+EPZ	1431		40.4	
29	+EPZ	1431		45.0	
29	-EPZ	1623		47.0	#-1003
29	+IPcPZ	1623		48.5	#-1003
29	+EpPZ	1624		26.4	#-1003

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
29	+EXZ	2036	31.0	#-1004
29	+EPZ	2234	44.2	
29	-EXZ	2234	51.0	#-1005
30	+EPZ	0348	51.4	#-1006
30	-IpPZ	0348	54.2	#-1006
30	+EPZ	0428	32.0	
30	-IPZ	0532	52.8	#-1007
30	-IpPZ	0532	55.2	#-1007
30	-IsPZ	0532	56.2	#-1007
30	+EPdiffZ	0636	6.8	#-1008
30	-EpPdiffZ	0636	10.2	#-1008
30	+EPZ	0815	5.0	
30	+EPZ	1323	8.2	
30	+EPZ	1323	14.4	
30	-EPZ	1402	14.2	
30	+EPZ	1419	0.6	
30	+EPZ	1419	5.3	
30	-IPZ	1511	24.4	#-1009
30	+IpPZ	1511	47.0	#-1009
30	+EPcPZ	1604	39.4	#-1010
30	+IPPZ	1607	17.4	#-1010
30	+EPZ	1722	2.4	
30	-EPZ	1722	18.0	
30	+EPZ	1811	42.4	#-1011
30	-EpPZ	1811	49.0	#-1011
30	+EPZ	1822	20.6	#-1012
30	+EPPZ	1825	35.0	#-1012
30	+EPZ	1852	33.6	
30	-EPZ	1907	14.8	
30	+EPZ	1907	19.0	
30	+EPZ	2202	39.0	
30	-IPZ	2202	45.0	
May 1	+IPZ	0648	47.0	#-1013
1	-IXZ	0648	50.2	#-1013
1	ESH	0658	57.2	#-1013
1	+EPZ	0721	15.0	
1	-EPZ	1023	3.6	#-1014
1	+EPZ	1124	37.5	#-1015
1	+EPcPZ	1124	40.3	#-1015
1	+EPZ	1139	33.1	#-1016
1	+EPZ	1314	40.2	#-1017
1	+EPZ	1447	47.2	#-1018
1	+IPcPZ	1447	55.0	#-1018
1	-IsPZ	1448	6.0	#-1018
1	-EPZ	1533	12.5	
1	+IPZ	1534	42.0	#-1019
1	-EPcPZ	1534	44.0	#-1019
1	+EpPZ	1657	24.2	#-1020
1	+EPcPZ	1657	34.5	#-1020
1	+EPZ	1735	56.0	
1	+IPZ	1735	57.2	
1	+EpPZ	1821	10.0	#-1021
1	+EsPZ	1821	14.5	#-1021
1	+EPcPZ	1821	18.6	#-1021
1	+EPZ	1936	35.0	
1	+EPZ	2356	19.1	
2	+EpPZ	0034	28.0	#-1022
2	-EPcPZ	0120	6.0	#-1023
2	+EpPZ	0121	36.4	#-1023
2	+EXZ	0553	33.2	#-1024
2	+IPZ	0657	12.0	
2	-EPZ	0657	16.0	
2	-EPZ	0758	57.0	#-1025
2	+EpPZ	0759	1.6	#-1025
2	+EPZ	0821	48.0	
2	+EPZ	0828	39.8	
2	-IXZ	0856	7.2	#-1026
2	-IPcPZ	0856	14.4	#-1026
2	+EPZ	0921	21.2	
2	+EXZ	0934	26.0	#-1027
2	+IpPKPdfZ	0934	35.2	#-1027
2	+EPZ	1124	11.4	#-1028
2	+EPcPZ	1124	17.0	#-1028
2	+EPZ	1208	23.4	
2	+EPZ	1208	30.4	
2	+EPZ	1208	33.4	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
2	+EpPZ	1346	6.5	#-1029
2	+EsPZ	1346	14.8	#-1029
2	+EXZ	1547	17.4	#-1030
2	+EPZ	1823	39.1	#-1031
2	-EPcPZ	1823	41.9	#-1031
2	+EpPdiffZ	1924	2.2	#-1032
2	-EPZ	1923	47.2	#-1033
2	+EPZ	2005	12.0	
2	+EPZ	2005	13.4	
2	+EPZ	2112	12.4	
2	-EPZ	2240	4.4	
3	-EPZ	0309	20.6	
3	-EPZ	0309	22.0	
3	-EPZ	0359	16.0	#-1034
3	+EPcPZ	0401	37.1	#-1035
3	-EPZ	0426	41.2	#-1036
3	+EXZ	0504	26.0	#-1037
3	+EXZ	0504	34.4	#-1037
3	+EPZ	0727	22.4	
3	+EPZ	0727	24.3	
3	+EPZ	0727	32.2	
3	+EPKPdfZ	0917	22.0	#-1038
3	+EpPKPdfZ	0917	24.2	#-1038
3	-EPKPabZ	0918	43.2	#-1038
3	+EpPKPabZ	0918	48.0	#-1038
3	+EPZ	1112	6.0	
3	+EPZ	1112	10.0	
3	-EPZ	1114	2.6	
3	+EPZ	1249	31.4	#-1039
3	+IXZ	1459	25.4	#-1040
3	-IXZ	1459	29.8	#-1040
3	+EPZ	1747	0.1	
3	-EPZ	1747	4.2	
3	+EPZ	2309	23.2	
4	+EpPZ	0458	48.3	#-1041
4	+EPZ	0522	11.6	
4	+EPZ	0522	24.5	
4	+EPZ	0715	16.9	
4	+EPZ	0715	24.2	
4	+EpPZ	0907	23.0	#-1042
4	+EsPZ	0907	33.2	#-1042
4	+IPZ	0927	15.2	#-1043
4	-IPcPZ	0927	20.6	#-1043
4	+IPZ	0936	21.4	#-1044
4	-EPZ	0949	31.0	#-1045
4	+EPcPZ	0949	39.6	#-1045
4	+EPZ	1002	43.0	
4	+EPZ	1002	48.0	
4	+EPZ	1506	55.0	#-1046
4	+EPZ	1536	55.4	#-1047
4	+IPZ	1614	59.0	
4	-IPZ	1615	58.2	
4	+IPZ	1616	9.4	
4	-EPZ	1718	10.4	
4	+IPZ	1910	0.8	
4	-IPZ	1910	29.2	
4	+IPdiffZ	2033	46.2	#-1048
4	+EpPdiffZ	2034	26.0	#-1048
4	-IPdiffZ	2038	14.0	#-1049
4	+EpPdiffZ	2038	16.6	#-1049
4	-IsPdiffZ	2038	19.4	#-1049
5	+EPZ	0236	34.2	
5	+EPZ	0236	36.8	
5	+EPZ	0237	54.2	#-1050
5	+EpPZ	0238	2.8	#-1050
5	-EPZ	0525	32.7	#-1051
5	+EpPZ	0525	35.2	#-1051
5	+EPZ	0540	0.4	
5	+EPZ	0540	8.1	
5	+EPZ	0640	7.8	
5	-IPZ	1122	39.0	
5	+EPPZ	1126	21.0	#-1052
5	+EPKiKPZ	1126	54.2	#-1052
5	+IPZ	1133	17.2	#-1053
5	-IpPZ	1133	18.8	#-1053
5	-IsPZ	1133	20.0	#-1053

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
5	+EPZ	1204	41.5	#-1054
5	+IPZ	1316	14.2	#-1055
5	+EPcPZ	1316	16.2	#-1055
5	-IXZ	1316	52.2	
5	+IPcPZ	1350	15.9	#-1056
5	-EpPZ	1350	42.2	#-1056
5	-EXZ	2053	15.0	#-1057
5	+EpPZ	2054	9.0	#-1057
6	+EPZ	0103	13.6	
6	+EPZ	0103	48.4	
6	+EPdiffZ	0103	54.6	#-1058
6	+EpPKiKPZ	0116	33.0	#-1059
6	-IPZ	0411	58.8	#-1060
6	+EpPZ	0415	19.6	#-1061
6	-IPZ	0443	53.0	#-1062
6	+IPcPZ	0443	55.7	#-1062
6	ESH	0453	42.8	
6	+IPZ	0636	7.0	#-1063
6	-EPcPZ	0636	9.0	#-1063
6	-EPZ	0706	28.0	
6	+EPZ	1136	4.4	#-1064
6	+EPcPZ	1136	5.8	#-1064
6	+EPZ	1524	18.0	
6	+EPZ	1524	19.8	
6	+IPZ	2102	2.4	
6	+IPZ	2102	8.2	
6	+EPZ	2103	37.4	#-1065
6	+EPZ	2214	51.0	
7	+EPZ	0017	26.8	
7	-EPZ	0403	53.2	
7	-EPZ	0403	55.2	
7	+EPZ	0433	42.4	#-1066
7	-IPcPZ	0433	45.4	#-1066
7	-IpPZ	0433	46.4	#-1066
7	+EPZ	0456	54.0	
7	+IPZ	0458	8.0	#-1067
7	+EPcPZ	0458	12.2	#-1067
7	+EXZ	0459	33.6	#-1068
7	+EXZ	0509	20.7	#-1069
7	+EPZ	0523	34.0	
7	+EPZ	0523	39.4	
7	+EPZ	1116	19.0	
7	+EPZ	1116	25.8	
7	-EPZ	1246	15.6	
7	+EPZ	1246	18.0	
7	+EPZ	1513	15.6	
7	+EPZ	1612	25.4	#-1070
7	+EPZ	1935	1.0	
7	+IPZ	2123	9.5	
8	-EPZ	0218	21.8	
8	+EPZ	0318	29.0	
8	-EPZ	0318	35.0	
8	-EPZ	0318	39.8	
8	+EPZ	0438	19.6	
8	+IPZ	0438	24.6	#-1071
8	+EsPZ	0843	5.8	#-1072
8	+EPZ	0954	34.9	#-1073
8	+EPcPZ	0954	41.0	#-1073
8	+EPZ	1159	9.8	#-1074
8	+EpPZ	1159	32.0	#-1074
8	-IXZ	1612	12.9	#-1075
8	-IXZ	1612	38.8	#-1075
8	+EXZ	1715	30.8	#-1076
8	+EPZ	2105	22.1	
8	+EPZ	2150	24.0	
9	+EPZ	0029	28.0	
9	-EPZ	0029	31.6	
9	-EPZ	0029	34.2	
9	-IPZ	0557	29.2	#-1077
9	-EPcPZ	0557	31.4	#-1077
9	-IpPZ	0558	4.4	#-1077
9	-IPZ	1044	53.0	#-1078
9	-IPcPZ	1044	54.0	#-1078
9	ESH	1055	19.0	#-1078
9	+EPZ	1155	25.1	#-1079
9	+EpPZ	1155	37.1	#-1079

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
9	+EXZ	1155	54.0	#-1079
9	+EXZ	1308	13.0	#-1080
9	-EXZ	1308	31.0	#-1080
9	-EXZ	1407	33.0	#-1081
9	-EsPZ	1407	40.0	#-1081
9	-IPZ	1415	54.6	#-1082
9	-IPcPZ	1415	57.0	#-1082
9	+EpPZ	1417	53.3	#-1082
9	-IPZ	1759	0.6	#-1083
9	-EpPZ	1800	38.4	#-1083
9	+EPZ	1826	33.8	#-1084
9	+IpPZ	1826	36.1	#-1084
9	+EPZ	2204	11.8	#-1085
9	+EpPZ	2204	24.6	#-1085
9	+EsPZ	2204	30.0	#-1085
9	+EPZ	2324	40.8	
9	-IPZ	2324	42.0	
10	+EPZ	0221	20.0	#-1086
10	-IpPZ	0221	23.0	#-1086
10	+EsPZ	0221	25.0	#-1086
10	-EPZ	0253	44.4	#-1087
10	-EPZ	0415	50.1	
10	-EsPZ	0537	16.0	#-1088
10	+EpPdiffZ	0751	30.8	#-1089
10	+EPKPdfZ	0754	52.4	#-1089
10	-EPZ	0910	51.2	#-1090
10	+EpPZ	0910	53.4	#-1090
10	+EXZ	1206	24.9	#-1091
10	+EPZ	1421	46.6	
10	+EPZ	1435	57.6	
10	+IPKPdfZ	1436	5.0	#-1092
10	+IpPKPdfZ	1436	30.0	#-1092
10	+EsPZ	1527	47.0	#-1093
10	-EPZ	1938	8.0	#-1094
10	+EPcPZ	1938	14.0	#-1094
10	+EsPZ	1959	44.2	#-1095
10	+EPZ	2109	25.1	
10	+EPZ	2109	28.0	
10	-EPZ	2109	33.6	
10	-EPZ	2355	1.0	#-1096
10	+EPcPZ	2355	4.4	#-1096
11	-EPZ	0123	26.0	#-1097
11	-EsPZ	0123	34.2	#-1097
11	+EPZ	0712	15.8	
11	+EPZ	1015	16.2	
11	+IPZ	1015	20.1	
11	-IPZ	1015	23.8	
11	+EXZ	1241	55.3	#-1098
11	+IPZ	1242	16.0	#-1099
11	-IpPZ	1242	18.8	#-1099
11	+IsPZ	1242	23.0	#-1099
11	+EPnPnZ	1243	42.0	#-1099
11	-IPZ	1343	40.0	#-1100
11	-IpPZ	1343	56.6	#-1100
11	+EPZ	1824	13.0	
11	+EPZ	1824	15.2	
11	+IPZ	2055	3.4	#-1101
11	-IPcPZ	2055	7.0	#-1101
11	+IXZ	2055	48.4	#-1101
11	+IsPZ	2056	12.8	#-1101
12	+EXZ	0038	36.0	#-1102
12	+EpPZ	0040	2.6	#-1102
12	+EXZ	0040	35.0	#-1102
12	+IPZ	0149	18.4	#-1103
12	-IpPZ	0149	20.0	#-1103
12	-IsPZ	0149	21.6	#-1103
12	+EPZ	0346	45.4	
12	+EPZ	0346	55.8	#-1104
12	+EPZ	0521	4.0	#-1105
12	+EPcPZ	0521	4.8	#-1105
12	+EpPZ	0521	17.4	#-1105
12	-EPZ	1002	27.2	
12	-IPZ	1002	28.8	
12	+EPZ	1002	33.4	
12	+EpPZ	1206	27.0	#-1106
12	-EsPZ	1206	31.0	#-1106

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
12	-EPZ	14	24	52.0	#-1107
12	+EpPZ	14	25	5.4	#-1107
12	+EPZ	15	04	38.8	
12	+EPZ	16	16	18.0	
12	+EPZ	16	16	23.2	
12	+IPZ	18	48	40.0	#-1108
12	+IpPZ	18	48	43.2	#-1108
12	+IsPZ	18	48	45.4	#-1108
12	-IPcPZ	18	49	25.6	#-1108
12	+EPKPdfZ	19	10	49.0	#-1109
12	+EXZ	19	10	51.0	#-1109
12	+EXZ	19	11	15.9	#-1109
12	+EPZ	20	17	58.0	#-1110
12	-EsPZ	20	18	3.6	#-1110
12	+EPZ	23	21	22.0	
12	-EPKPdfZ	23	53	56.4	#-1111
12	+EpPKPdfZ	23	54	13.0	#-1111
12	+EXZ	23	54	18.6	#-1111
13	+EPdiffZ	06	49	42.6	#-1112
13	+EpPdiffZ	06	49	46.4	#-1112
13	+EPKiKPZ	06	53	52.3	#-1112
13	+EXZ	10	18	43.6	#-1113
13	+EpPZ	10	49	28.7	#-1114
13	-EXZ	10	49	39.0	#-1114
13	+IPZ	10	51	20.2	#-1115
13	+IPcPZ	10	51	21.2	#-1115
13	+EXZ	10	51	38.1	#-1115
13	+EPZ	13	27	48.6	#-1116
13	+EPZ	21	37	6.6	
13	+EPZ	21	37	16.7	
14	-IPZ	02	02	59.8	#-1117
14	+IPcPZ	02	03	5.0	#-1117
14	-IPZ	03	49	35.1	#-1118
14	+IPcPZ	03	49	46.0	#-1118
14	-EpPZ	03	50	24.2	#-1118
14	+EsPZ	03	50	47.0	#-1118
14	+EpPZ	06	03	51.4	#-1119
14	-EPcPZ	06	03	55.0	#-1119
14	+EPKiKPZ	08	37	15.6	#-1120
14	+EpPKiKPZ	08	37	21.4	#-1120
14	+IPZ	12	20	19.0	
14	+EPZ	12	20	26.3	
14	+EPZ	17	03	46.4	#-1121
14	+IXZ	17	03	55.0	#-1121
14	+EXZ	19	21	31.2	#-1122
14	-EPPZ	21	14	15.0	#-1123
14	+EPKiKPZ	21	14	29.0	#-1123
14	-EXZ	21	14	35.6	#-1123
15	+EXZ	02	02	6.6	#-1124
15	-EPZ	09	02	44.8	#-1125
15	-IpPZ	09	02	48.2	#-1125
15	+EPZ	10	30	7.4	#-1126
15	+IPcPZ	10	30	10.2	#-1126
15	+IPZ	13	00	30.6	#-1127
15	+EPcPZ	13	00	33.8	#-1127
15	+EXZ	18	06	19.0	#-1128
15	+EXZ	18	06	24.0	#-1128
15	+EPZ	22	56	22.2	#-1129
15	+IpPZ	22	56	39.8	#-1129
15	-IsPZ	22	56	48.0	#-1129
16	-IPZ	00	52	37.2	#-1130
16	-IpPZ	00	52	41.0	#-1130
16	-IPcPZ	00	52	44.4	#-1130
16	+IpPZ	08	14	36.8	#-1131
16	+EsPZ	10	26	41.0	#-1132
16	+EPZ	11	15	51.0	
16	+EPZ	11	15	53.2	
16	+EXZ	11	16	3.0	#-1133
16	+EPZ	11	20	25.8	
16	+EPdiffZ	11	26	30.6	#-1134
16	-EPKiKPZ	11	30	34.0	#-1134
16	+EPZ	12	54	23.7	
16	-EPZ	12	54	25.4	
16	+IPZ	17	19	58.8	#-1135
16	-IXZ	17	20	7.4	#-1135
16	+EPZ	17	42	22.8	#-1136

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
16	+EXZ	1742	44.0	#-1136
16	+EPZ	1803	42.0	
16	-EPZ	1803	45.0	
16	+EPZ	2049	41.4	
16	-EPZ	2049	45.3	
16	+EpPZ	2053	12.6	#-1137
16	+EsPZ	2053	17.6	#-1137
16	+EPZ	2122	10.9	
16	-EXZ	2122	20.0	#-1138
16	-EpPZ	2132	22.2	#-1139
16	-EsPZ	2132	29.5	#-1139
17	+EPZ	0549	30.2	#-1140
17	-EsPZ	0549	34.0	#-1140
17	+EPcPZ	0550	12.1	#-1140
17	-IPZ	0923	4.0	#-1141
17	-IpPZ	0923	6.4	#-1141
17	-IsPZ	0923	8.4	#-1141
17	-IPcPZ	0923	14.2	#-1141
17	-EPPZ	0926	2.4	#-1141
17	-EPZ	1223	9.5	#-1142
17	-IpPZ	1223	11.0	#-1142
17	-EPZ	1736	12.4	
17	+EPZ	2049	38.2	
17	+EPZ	2050	2.0	
17	+EPZ	2050	11.6	
17	-IPZ	2134	28.0	#-1143
17	+EPZ	2357	1.0	#-1144
18	+EPZ	0106	8.2	
18	+EpPZ	0111	44.0	#-1145
18	+IXZ	0114	44.7	#-1146
18	-IXZ	0114	49.6	#-1146
18	-IsPZ	0115	7.2	#-1146
18	-IPZ	0431	34.4	#-1147
18	-IPcPZ	0431	39.0	#-1147
18	+IpPZ	0431	52.2	#-1147
18	+EPZ	0651	41.0	
18	+EPZ	0651	50.2	#-1148
18	-EPZ	0911	33.8	
18	-EPZ	1017	11.0	
18	+EPZ	1111	38.6	#-1149
18	+EpPZ	1111	40.0	#-1149
18	+EPcPZ	1111	45.8	#-1149
18	-EPZ	1302	29.7	
18	+EPZ	1436	34.6	
18	+EPZ	1436	39.4	
18	+EPZ	1513	14.8	
18	+IPZ	1513	35.6	
18	+IPZ	1533	59.9	#-1150
18	-EPZ	1921	18.4	
18	+EPZ	1921	24.8	
18	-EPZ	1921	29.4	
18	+EPZ	2128	47.2	#-1151
18	+EPcPZ	2128	52.4	#-1151
18	+EPZ	2122	5.2	#-1152
18	-EPZ	2336	15.7	
18	+EPZ	2336	19.3	
19	+EPPZ	0005	13.6	#-1153
19	+EXZ	0005	32.2	#-1153
19	+EPZ	0207	36.2	
19	+EXZ	0207	45.6	#-1154
19	-EPZ	0256	13.8	#-1155
19	-EpPZ	0259	48.0	#-1155
19	-EPZ	0402	50.8	#-1156
19	+EpPZ	0402	52.4	#-1156
19	-EsPZ	0402	54.4	#-1156
19	+EPZ	0936	50.0	
19	+EPZ	0936	53.4	
19	+EsPZ	0937	15.0	#-1157
19	+EPZ	1011	16.7	
19	-EPZ	1011	22.7	
19	+EPZ	1011	36.1	
19	+EsPZ	1829	16.8	#-1158
19	+EPZ	2020	7.8	
19	-EPZ	2020	10.7	
19	+EPZ	2020	14.7	
19	-EPZ	2203	44.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
19	+IPZ	22	53	21.4	#-1159
19	-IsPZ	22	53	25.3	#-1159
19	+EPnPnZ	22	54	14.6	#-1159
19	-EPPZ	22	54	25.4	#-1159
19	-EPZ	23	16	39.0	
20	+EPZ	02	10	41.6	
20	-EPZ	02	10	43.4	
20	-EPZ	03	11	32.6	
20	+EPZ	03	11	36.3	
20	+EPZ	05	38	20.5	
20	+IPZ	05	38	25.0	
20	+EPZ	07	28	37.0	
20	+EPZ	07	28	40.1	
20	-EPZ	11	58	10.0	#-1160
20	-EsPZ	11	58	16.6	#-1160
20	+EPZ	15	54	33.0	#-1161
20	+EpPZ	15	54	45.1	#-1161
20	-EsPZ	15	54	53.2	#-1161
20	-EPZ	20	12	29.4	#-1162
20	+EXZ	20	12	40.0	#-1162
20	+EPZ	20	28	3.4	#-1163
20	+EPcPZ	20	28	5.6	#-1163
21	+EPdiffZ	00	35	40.0	#-1164
21	-EPZ	01	34	18.5	#-1165
21	+EpPZ	01	34	41.0	#-1165
21	+EsPZ	01	34	54.0	#-1165
21	+EPZ	02	04	13.8	
21	-EPZ	02	04	33.2	
21	-EPZ	08	34	5.6	#-1166
21	-EpPZ	08	34	9.2	#-1166
21	-IPZ	09	11	52.0	#-1167
21	+IpPZ	09	12	3.4	#-1167
21	+IsPZ	09	12	7.2	#-1167
21	+EPdiffZ	10	00	7.8	#-1168
21	+EpPdiffZ	10	00	11.0	#-1168
21	-EPdiffZ	10	21	20.4	#-1169
21	+EpPKPdfZ	10	25	24.6	#-1169
21	+EPPZ	10	26	21.8	#-1169
21	+EPZ	11	01	1.0	
21	-EPZ	11	01	9.0	
21	+EPZ	11	01	1.0	
21	-EPZ	11	01	9.2	
21	+EPZ	13	17	50.0	
21	+EPZ	13	17	55.4	
21	+EPZ	16	11	13.0	
21	+EPZ	16	11	15.4	
21	+EPZ	16	35	5.0	#-1170
21	+EsPZ	16	35	25.0	#-1170
21	-EPZ	17	19	14.6	
21	-EXZ	18	27	6.4	#-1171
21	+EPcPZ	18	27	13.0	#-1171
21	-IpPZ	18	27	17.0	#-1171
21	-EpPZ	21	02	52.0	#-1172
22	+EPZ	00	27	36.9	#-1173
22	+EPZ	02	52	28.0	#-1174
22	+EPcPZ	02	52	33.4	#-1174
22	+EPZ	05	12	26.4	
22	+EPZ	05	12	29.6	
22	+EPZ	08	44	24.2	#-1175
22	-IpPZ	08	44	26.4	#-1175
22	-EPZ	09	16	34.6	
22	+EPZ	10	14	39.2	
22	+EPZ	15	12	23.4	
22	+EPZ	16	08	19.8	
22	+EXZ	16	35	15.2	#-1176
22	+EPZ	18	04	30.6	
22	-EPZ	18	04	33.6	
22	+EPZ	19	19	27.7	
22	+EPZ	19	19	30.8	
22	+EPZ	19	19	32.6	
22	-EPZ	20	09	18.4	
22	+EPZ	20	09	21.0	
22	+EPZ	20	41	28.7	
22	-EPZ	20	41	32.7	
22	+EPZ	22	26	23.0	
22	-EPZ	22	26	32.8	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
22	+EPZ	2226	43.5	
23	+EPZ	0009	35.0	
23	+EPZ	0009	37.1	
23	-IPZ	0313	45.6	#-1177
23	-EXZ	0315	50.2	#-1177
23	+IPZ	0333	2.4	#-1178
23	+EPZ	0513	27.0	
23	+EPZ	0513	35.4	
23	+EPZ	0605	45.0	
23	+EPZ	0711	1.4	
23	+EPZ	0711	3.2	
23	+EPZ	0740	7.0	#-1179
23	+EPcPZ	0740	22.2	#-1179
23	-EPZ	0916	32.2	
23	+EPZ	0916	53.0	
23	+EXZ	0918	51.4	#-1180
23	+EPZ	0926	31.2	#-1181
23	+EpPZ	0926	35.2	#-1181
23	+EPZ	0946	45.0	
23	-EPcPZ	0947	1.6	#-1182
23	+EsPZ	0947	4.8	#-1182
23	+EPZ	1010	25.4	
23	-EPZ	1010	41.4	
23	+EXZ	1208	24.7	#-1183
23	+EPZ	1410	50.4	#-1184
23	-EPcPZ	1410	56.4	#-1184
23	+EPZ	1411	10.0	
23	+EPZ	1509	35.4	
23	+EPZ	1509	39.0	
23	+EPZ	1544	5.0	
23	-EPZ	1544	10.6	
23	+EPZ	1940	22.0	
23	+EPZ	1940	24.0	
23	+EPZ	1940	29.5	
23	+EXZ	2133	45.4	#-1185
23	+EpPdiffZ	2135	54.2	#-1185
24	-EPZ	0113	35.2	
24	-EPZ	0113	37.0	
24	-EXZ	0440	54.6	#-1186
24	+EXZ	0441	6.0	#-1186
24	-EPZ	0724	14.4	
24	+EPdiffZ	0840	3.0	#-1187
24	+EpPdiffZ	0840	9.8	#-1187
24	+EPKPdfZ	0843	39.0	#-1187
24	+EPZ	0915	10.2	
24	+EXZ	0939	37.4	#-1188
24	+EXZ	0939	40.0	#-1188
24	-EPZ	1201	47.2	#-1189
24	+EPcPZ	1201	50.6	#-1189
24	+EPZ	1805	43.1	
24	+EPZ	1512	26.0	
24	+EPZ	1512	29.4	
24	-EPZ	1512	32.4	
24	+IPZ	2109	25.1	
24	+IPZ	2109	31.6	
24	+IXZ	2109	49.0	#-1190
24	ESH	2119	50.0	
25	-EsPZ	0151	14.4	#-1191
25	+EPcPZ	0151	20.2	#-1191
25	+EPZ	0722	35.8	
25	+EPZ	0722	37.0	
25	+EPZ	1014	15.6	#-1192
25	+EpPZ	1014	19.2	#-1192
25	+EPZ	1451	25.0	
25	+EPZ	1451	32.0	
25	+EPZ	1607	13.4	
25	+EPZ	1607	20.5	
25	+EPZ	1607	27.8	
25	+EPZ	1801	33.2	#-1193
25	+EPcPZ	1801	35.8	#-1193
25	-EPZ	1903	53.4	#-1194
25	-EPcPZ	1903	56.0	#-1194
25	+EPZ	1916	23.0	
25	+EPZ	2021	2.6	
25	+EPZ	2021	5.2	
25	+EPZ	2021	14.4	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
25	-EPKPdfZ	2254	56.2	#-1195
26	+EPZ	0038	4.6	#-1196
26	-EsPZ	0038	18.2	#-1196
26	+EPZ	0426	12.2	#-1197
26	+EPcPZ	0426	17.4	#-1197
26	+EpPZ	0426	39.2	#-1197
26	-EPZ	0723	34.0	#-1198
26	+EPZ	0727	10.0	
26	+EPZ	0822	6.8	
26	+EPZ	0824	6.6	
26	+EPZ	0828	8.6	
26	-EPZ	0937	46.8	#-1199
26	+EPZ	0938	1.7	
26	+EPZ	0938	19.4	
26	+IPZ	0959	31.8	#-1200
26	+EXZ	0959	40.5	#-1200
26	+EPZ	1216	13.0	
26	+EPZ	1216	16.0	
26	-EPZ	1216	18.0	
26	+EsPZ	1235	26.7	#-1201
26	+EPZ	1414	25.1	
26	-EPZ	1414	28.2	
26	-EsPZ	1702	49.0	#-1202
26	-EPZ	2002	20.4	
26	-EPZ	2002	28.6	
26	+EPZ	2115	42.8	
27	+EPZ	0217	11.3	
27	-EPZ	0217	15.0	
27	-EPZ	0217	17.0	
27	-EXZ	0248	40.0	#-1203
27	+EXZ	0346	33.8	#-1204
27	+EPZ	0346	56.4	
27	-IPZ	0433	35.8	#-1205
27	+IpPZ	0433	38.2	#-1205
27	+EPZ	0435	40.4	#-1206
27	-EpPZ	0435	2.8	#-1206
27	+EsPZ	0435	6.0	#-1206
27	+EpPZ	0558	3.0	#-1207
27	+EPZ	0707	27.0	
27	+EPZ	0707	30.2	
27	+EPcPZ	0709	47.2	#-1208
27	-EPZ	0856	21.0	
27	+EPZ	0856	26.6	
27	+EPZ	0856	36.7	
27	+EpPZ	0914	41.4	#-1209
27	+EsPZ	0914	44.4	#-1209
27	+EPcPZ	0915	14.2	#-1209
27	+EPZ	1108	48.8	#-1210
27	-EpPZ	1108	50.2	#-1210
27	+EsPZ	1108	52.8	#-1210
27	+EPZ	1210	58.3	#-1211
27	-EPcPZ	1211	5.0	#-1211
27	+EPZ	1628	26.2	
27	-EPKiKPZ	1631	2.6	#-1212
27	-EXZ	1631	17.4	#-1212
27	+EpPKiKPZ	1631	23.4	#-1212
27	-EPZ	1711	11.4	
27	+EPZ	1711	14.4	
27	+EPZ	1734	30.6	
27	+EPZ	1734	33.4	
27	-EPZ	1908	14.2	
27	-IPZ	2131	18.0	#-1213
27	+EPcPZ	2131	20.4	#-1213
27	-EPZ	2304	16.0	#-1214
27	+IPcPZ	2304	17.2	#-1214
27	+EpPZ	2305	4.8	#-1214
28	+EPZ	0416	22.8	
28	+EPZ	0416	25.6	
28	+EPZ	0416	31.1	
28	+EPZ	0602	51.2	
28	-IPZ	0602	52.6	
28	+EPZ	0712	23.0	
28	+EPZ	0712	26.0	
28	+EPZ	0712	31.2	
28	+EPZ	1615	17.0	
28	+EPZ	1615	24.6	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
28	+EPZ	1651		47.0	#-1215
28	+EPcPZ	1651		51.6	#-1215
28	+EXZ	1825		51.6	#-1216
28	-EPcPZ	1826		5.3	#-1216
28	+EPdiffZ	2129		41.8	#-1217
28	+EPZ	2133		23.4	
28	+EPZ	2133		27.4	
28	+EPZ	2214		22.0	
29	+EPZ	0129		34.1	#-1218
29	+EPcPZ	0129		37.4	#-1218
29	+EPZ	0311		14.6	#-1219
29	+EpPZ	0311		18.6	#-1219
29	+EPZ	0352		27.0	#-1220
29	-EpPZ	0352		35.0	#-1220
29	-EsPZ	0352		40.0	#-1220
29	-IPZ	0650		54.2	#-1221
29	-IPcPZ	0651		4.0	#-1221
29	-IpPZ	0651		5.0	#-1221
29	-EPZ	0737		42.0	#-1222
29	+IXZ	0738		1.1	#-1222
29	+EPZ	1020		24.8	#-1223
29	+EPZ	1346		16.0	#-1224
29	+EPcPZ	1346		18.2	#-1224
29	-EPZ	1940		49.3	
29	+EpPZ	1941		42.2	#-1225
29	+EPZ	2012		11.8	
29	+EPZ	2012		14.9	
29	-EPZ	2012		37.4	
30	+EPZ	0049		10.0	#-1226
30	-EpPZ	0049		11.8	#-1226
30	-IPZ	0108		1.6	#-1227
30	+IPcPZ	0108		9.0	#-1227
30	+EsPZ	0109		2.0	#-1227
30	-EPdiffZ	0134		11.6	#-1228
30	-EpPdiffZ	0134		16.4	#-1228
30	-EPZ	0223		31.6	
30	+EPZ	0725		26.1	#-1229
30	-EpPZ	0725		28.2	#-1229
30	+EPZ	0805		55.0	#-1230
30	+EXZ	0806		6.0	#-1230
30	+EPZ	1142		42.2	#-1231
30	+IXZ	1142		44.1	#-1231
30	+EsPZ	1142		48.8	#-1231
30	+EPZ	1454		12.6	
30	-EPZ	1454		19.4	
30	-EPZ	1454		24.2	
30	+EXZ	1539		45.4	#-1232
30	+EPZ	1544		9.8	#-1233
30	-IXZ	1544		19.0	#-1233
30	+IpPZ	1544		25.8	#-1233
30	-EPZ	1755		1.8	#-1234
30	+EsPZ	1755		6.6	#-1234
30	+EPZ	1806		38.4	#-1235
30	-EPZ	1804		53.4	#-1236
30	+EpPZ	1805		10.4	#-1236
30	+EPZ	2016		52.1	
30	-EPZ	2023		45.0	#-1237
30	+EpPZ	2023		55.3	#-1237
30	+EpPZ	2051		35.0	#-1238
30	+EXZ	2051		39.9	#-1238
30	-EXZ	2217		37.8	#-1239
30	+EPZ	2300		4.0	#-1240
30	-IpPZ	2300		13.8	#-1240
30	+IPcPZ	2300		15.1	#-1240
31	-EPZ	0202		40.2	
31	+EPZ	0202		43.0	
31	+EPZ	0520		43.8	
31	-EsPKPdfZ	0636		47.5	#-1241
31	+IpPKiKPZ	0636		55.9	#-1241
31	+EPZ	0853		21.6	
31	+EPZ	1205		38.0	
31	+EPZ	1205		50.4	
31	-EPZ	2007		52.2	#-1242
31	+EPZ	2008		8.6	
31	-EPZ	2237		40.5	
31	-EPZ	2237		43.8	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
Jun. 1	-EPZ	00	10	8.2	
1	+EPZ	00	10	14.2	
1	-EPZ	01	07	0.0	
1	+EPZ	01	07	5.4	
1	+EPZ	03	35	9.2	
1	-EPZ	03	35	15.0	
1	-EPZ	03	40	11.1	#-1243
1	-EXZ	03	40	20.0	#-1243
1	+EpPKiKPZ	05	20	32.6	#-1244
1	-EPZ	07	23	20.6	
1	-EPZ	09	32	38.0	
1	+EPZ	09	32	44.6	
1	+EPZ	10	19	11.0	#-1245
1	+EpPZ	10	19	18.0	#-1245
1	+EPZ	12	17	4.4	
1	-EPZ	12	19	37.2	
1	+EPZ	15	11	24.6	
1	+EPZ	15	11	31.0	
1	-EPZ	15	11	39.0	
1	+EPZ	15	44	33.7	#-1246
1	+EpPZ	15	44	44.2	#-1246
1	-EPZ	16	52	1.2	
1	+EPZ	16	52	5.4	
1	+EPZ	16	52	16.2	
1	+EPZ	18	16	27.2	
1	-EPZ	19	14	43.5	#-1247
1	+EPcPZ	19	14	47.5	#-1247
1	+EPZ	20	32	35.0	
1	-EPZ	20	32	39.0	
1	+EPZ	22	19	3.4	
1	+EPZ	22	35	49.4	
2	-EPZ	00	15	1.0	
2	-EPZ	00	15	9.9	
2	-EXZ	01	17	35.0	#-1248
2	+EpPZ	01	17	44.5	#-1248
2	-EPZ	04	10	57.5	
2	+IPZ	04	11	1.0	
2	-EPZ	05	07	2.8	
2	+EPZ	05	07	6.6	
2	-IPZ	06	43	16.0	#-1249
2	-IpPZ	06	43	17.8	#-1249
2	-IsPZ	06	43	19.8	#-1249
2	ESH	06	53	5.4	#-1249
2	+EPZ	08	31	40.0	
2	+EPZ	08	31	44.6	
2	+EPZ	09	21	43.4	
2	+EPZ	09	38	14.6	
2	+EPZ	13	35	38.8	#-1250
2	-EPcPZ	13	35	43.1	#-1250
2	+EPZ	18	51	36.0	
2	-EPZ	18	51	39.0	
2	+EPZ	21	13	37.8	
2	+EPZ	23	44	8.0	
2	+EPZ	23	44	14.5	
3	+EPZ	00	05	22.8	
3	-EPZ	01	39	43.4	#-1251
3	+EPcPZ	01	39	44.8	#-1251
3	-EpPZ	01	40	42.0	#-1251
3	+EPZ	02	39	12.4	
3	+EPZ	02	39	19.5	
3	-EPZ	02	39	23.2	
3	+IPZ	04	49	34.6	#-1252
3	-IpPZ	04	49	38.6	#-1252
3	+EPZ	05	11	44.8	#-1253
3	+EPcPZ	05	11	47.0	#-1253
3	+EpPZ	10	25	39.0	#-1254
3	+EXZ	10	25	50.4	#-1254
3	-EPZ	11	04	49.0	
3	+EPZ	11	23	23.4	
3	+EPZ	11	23	33.0	
3	+EPZ	14	08	10.2	
3	+EPZ	14	08	21.6	
3	-EPZ	18	06	1.2	
3	-EPZ	18	06	5.0	
3	+EPZ	19	49	35.7	
3	+EPZ	19	49	38.5	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
3	+EPZ	2006	0.8	#-1255
3	+EpPZ	2006	6.0	#-1255
3	-EPZ	2122	17.0	
3	+EPZ	2122	31.8	
3	-EPZ	2118	8.2	
3	-EPZ	2146	55.2	#-1256
3	-IPcPZ	2146	56.9	#-1256
4	-EPZ	0019	33.0	
4	+EPZ	0019	39.7	
4	+EPZ	0415	53.0	
4	+EPZ	0415	55.0	
4	-EPZ	0415	57.8	
4	+EPZ	0513	55.7	
4	+EPZ	0514	5.2	
4	+EPZ	0515	29.8	#-1257
4	+EPZ	0540	27.0	
4	+EPZ	0540	29.0	
4	+EPZ	0540	36.6	
4	+EPZ	0626	37.4	
4	+EPZ	0626	41.8	
4	+EPZ	0849	56.6	
4	-EPZ	1111	14.0	#-1258
4	+EpPZ	1111	24.0	#-1258
4	+EsPZ	1111	34.5	#-1258
4	+EPKPdfZ	1219	5.6	#-1259
4	-EsPKPdfZ	1219	12.0	#-1259
4	+IPKPabZ	1220	17.2	#-1259
4	+IpPKPabZ	1220	22.0	#-1259
4	+EsPKPabZ	1220	26.0	#-1259
4	+EPZ	1514	32.3	
4	+IXZ	1716	24.4	#-1260
4	-EXZ	1716	42.0	#-1260
4	+EPZ	2107	42.0	
5	+EPZ	0128	52.3	#-1261
5	-EPcPZ	0128	54.8	#-1261
5	+EpPZ	0130	18.8	#-1261
5	-EPZ	0517	7.8	
5	-EPZ	0517	9.4	
5	+EPZ	0517	13.6	
5	+EpPKPdfZ	0604	39.0	#-1262
5	+EPZ	0824	19.4	#-1263
5	-EsPZ	0824	29.0	#-1263
5	-EPZ	1103	56.6	#-1264
5	+IPcPZ	1104	12.6	#-1264
5	-EpPZ	1104	39.0	#-1264
5	+EPZ	1111	14.8	#-1265
5	-EpPZ	1111	17.0	#-1265
5	-EPnPnZ	1112	20.6	#-1265
5	+EPZ	1403	45.6	
5	+EPZ	1403	53.5	
5	+EPZ	1625	21.4	
5	+IPZ	1625	24.2	
5	+EPZ	1719	11.0	
5	-EPZ	1719	13.2	
5	+EPZ	1724	5.6	
5	+EPZ	1734	13.2	#-1266
5	+EpPZ	1734	17.2	#-1266
5	+EPcPZ	1734	19.9	#-1266
5	+EPZ	1905	40.3	#-1267
5	+EsPZ	1905	45.0	#-1267
5	+EsPZ	1905	46.6	#-1267
5	-EPZ	2031	23.0	#-1268
5	+EPcPZ	2031	28.0	#-1268
5	+EsPZ	2031	37.6	#-1268
5	+EPZ	2204	2.6	
5	+EPZ	2218	1.8	
5	+EPZ	2218	5.0	
6	+EPZ	0002	21.3	
6	+EPZ	0002	25.0	
6	+EPZ	0209	5.0	
6	+EPZ	0325	2.2	
6	+EPZ	0325	6.6	
6	+EPZ	0357	33.8	#-1269
6	-IpPZ	0358	0.4	#-1269
6	-IPcPZ	0358	2.8	#-1269
6	+IsPZ	0358	11.9	#-1269

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
6	+EPZ	0415	5.8	
6	-IpPZ	0445	55.8	#-1270
6	+EPnPnZ	0447	10.0	#-1270
6	-EPnPnZ	0447	16.3	#-1270
6	+EsPZ	0500	47.0	#-1271
6	+EPZ	0625	30.0	
6	+EPZ	0825	4.5	
6	+EPZ	0825	10.0	
6	+EPZ	0825	16.5	
6	+EPZ	0947	28.0	
6	-EPZ	0947	30.2	
6	+EPZ	1003	1.0	
6	-EPZ	1003	3.2	
6	+EPZ	1003	5.6	
6	+EPZ	1512	40.8	
6	+EPZ	1512	46.4	
6	-EPZ	1726	6.0	
6	-EPZ	1726	9.4	
6	-EPZ	2020	4.6	
6	-EPZ	2020	8.6	
6	+EPZ	2020	18.4	
6	-IPZ	2155	29.6	#-1272
6	+EpPZ	2155	51.0	#-1272
6	+EPZ	2320	2.3	#-1273
6	+EpPZ	2320	7.0	#-1273
6	+EPZ	2322	10.4	
7	+EPZ	0318	23.0	
7	-EPZ	0318	34.0	
7	+EPZ	0417	24.0	
7	+IPZ	0417	25.4	
7	+EPZ	0427	3.6	
7	+EPZ	0427	6.8	
7	+EPZ	0432	5.0	#-1274
7	-EpPZ	0432	10.0	#-1274
7	+EPPZ	0435	22.3	#-1274
7	+EPZ	0521	4.0	
7	+EPZ	0521	9.4	
7	-EPZ	0521	15.6	
7	+EXZ	0503	34.8	#-1275
7	+EPZ	0622	20.0	
7	-EPZ	0622	43.8	
7	-EPZ	0623	10.0	
7	-EPZ	0753	14.8	
7	+EPZ	0753	27.6	
7	-EPZ	0943	3.6	
7	+EPZ	0943	7.6	
7	+EPZ	0943	14.7	
7	+EPZ	1008	6.0	
7	+EPZ	1008	33.0	
7	+EPZ	1028	8.2	
7	-EPZ	1028	12.0	
7	+EPZ	1814	16.4	
7	+IPZ	2037	3.4	
7	+IPZ	2037	5.6	
7	+EPZ	2155	13.4	
8	+EPZ	0318	30.3	
8	-EPZ	0318	42.0	
8	-EPZ	0320	16.4	#-1276
8	+EPZ	0406	34.2	
8	-EPZ	0406	35.0	
8	+EPZ	0406	40.2	
8	-EPZ	0527	18.6	
8	-EPZ	0527	20.2	
8	-EPZ	0540	8.8	
8	-EpPZ	0615	55.2	#-1277
8	-EsPZ	0615	57.4	#-1277
8	+EPZ	0824	41.1	
8	+EPZ	0824	44.8	
8	+EPZ	0825	5.4	
8	+EPZ	0908	11.4	#-1278
8	+EpPZ	0908	23.0	#-1278
8	-EsPZ	0908	31.0	#-1278
8	-EPZ	1038	9.4	
8	+EPZ	1038	17.0	
8	+EPZ	1121	49.2	#-1279
8	-EPcPZ	1121	50.4	#-1279

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
8	+EPZ	1344	6.8	
8	+EPZ	1344	9.6	
8	+EPZ	1548	16.0	
8	-EPZ	1548	31.0	
8	-EPZ	1610	5.0	
8	+EPZ	1610	20.0	
8	-EPZ	2108	45.3	
8	+EPZ	2108	50.4	
8	+EPZ	2229	0.4	
8	+EPZ	2229	3.6	
9	-EPZ	0110	31.6	
9	+EPZ	0111	7.2	
9	+EPZ	0221	42.8	#-1280
9	+EPZ	0310	10.0	
9	+EPZ	0310	39.5	
9	+EPZ	0310	43.0	
9	+EPZ	0524	44.4	#-1281
9	-EpPZ	0524	48.6	#-1281
9	+EPZ	0607	49.0	#-1282
9	-EpPZ	0607	52.0	#-1282
9	-EPZ	0849	23.0	
9	+EPZ	0849	35.9	
9	+EPZ	0849	44.8	
9	+EPZ	0902	51.4	
9	-EPZ	0902	53.4	
9	+EXZ	1238	24.0	#-1283
9	-EXZ	1238	30.2	#-1283
9	+EsPZ	1238	44.7	#-1283
9	+EPZ	1357	24.2	
9	-EPZ	1357	31.0	
9	-EPZ	1357	42.8	
9	+EPZ	1653	45.0	
9	+EPZ	1653	49.0	
9	+EPZ	1653	52.6	
9	+EpPZ	1702	18.8	#-1284
9	-EPcPZ	1702	22.8	#-1284
9	+EPZ	1806	43.1	
9	+EPZ	2143	11.0	
9	-EPZ	2143	25.0	
9	-EPZ	2344	15.2	
9	-EPZ	2344	18.0	
9	+EPZ	2344	32.0	
9	-EPZ	2344	39.0	
10	+EPZ	0001	24.3	
10	+EPdiffZ	0008	54.0	#-1285
10	+EPZ	0023	12.2	
10	+EPZ	0023	16.4	
10	+EPZ	0217	36.6	
10	+EPZ	0217	46.7	
10	+EPZ	0228	24.0	
10	-EPZ	0228	31.4	
10	+EPZ	0415	40.9	#-1286
10	+EXZ	0415	50.0	#-1286
10	+IsPZ	0416	2.0	#-1286
10	+EPZ	0602	29.6	
10	+EPZ	1155	10.0	
10	+EPZ	1155	12.6	
10	+EPZ	1155	17.6	
10	+EPZ	1223	1.0	
10	+EPZ	1223	10.0	
10	-EPZ	1319	27.6	
10	+EXZ	1322	8.8	#-1287
10	+EXZ	1322	25.0	#-1287
10	+EPZ	1538	37.5	
10	+EPZ	1538	42.4	
10	-EPZ	1610	37.0	
10	+EPZ	1614	11.6	#-1288
10	-EPcPZ	1723	36.2	#-1289
10	-EPZ	1812	9.4	
10	-EPZ	1812	18.0	
10	+EPZ	1812	21.0	
10	+EPZ	1839	24.8	#-1290
10	+IPcPZ	1839	27.0	#-1290
10	-EsPZ	1839	32.6	#-1290
10	+EPZ	1848	5.0	
10	-EPZ	1848	10.4	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
10	-EPZ	1848		26.6	
10	-EPZ	1855		18.0	
10	-EPZ	1855		28.2	
10	+EPZ	1902		7.0	#-1291
10	+EPZ	1938		38.4	
10	+EPZ	1938		44.5	#-1292
10	+EPcPZ	1938		47.6	#-1292
10	-EPZ	2031		10.0	
10	+EPZ	2031		14.2	
10	+IPZ	2031		22.0	
10	+EPZ	2316		21.0	
10	+EPZ	2316		35.7	
11	-EPZ	0019		26.0	
11	+EPZ	0019		33.6	
11	+EPdiffZ	0409		33.4	#-1293
11	+EpPdiffZ	0407		53.0	#-1293
11	-EPZ	0612		29.0	
11	-EPZ	0612		30.6	
11	+EPZ	0706		23.0	
11	+EPdiffZ	0745		48.2	#-1294
11	+EXZ	0746		8.2	#-1294
11	+EPZ	0819		12.0	
11	-EPZ	0819		16.2	
11	+EPZ	0913		18.8	
11	+EPZ	0913		34.9	
11	+EPZ	1014		33.4	
11	+EPZ	1014		40.2	
11	+EPcPZ	1042		53.2	#-1295
11	+EpPZ	1043		5.0	#-1295
11	+EPZ	1228		39.0	
11	+EPZ	1228		45.9	
11	+IPZ	1301		16.0	
11	+EPZ	1301		25.0	
11	+EPZ	1613		27.5	
11	+EPZ	1613		32.6	
11	+EPZ	1719		9.0	
11	+EPZ	1719		14.0	
11	+EPZ	2046		14.4	
11	+EPZ	2046		17.6	
12	+IXZ	0446		44.0	#-1296
12	+EPZ	1110		18.0	
12	-EPZ	1112		5.0	#-1297
12	-EPcPZ	1112		7.8	#-1297
12	-IPZ	1239		48.0	#-1298
12	+EpPZ	1240		2.7	#-1298
12	-EsPZ	1240		8.0	#-1298
13	+EPZ	0053		47.6	
13	+EPZ	0601		16.4	
13	+EPdiffZ	0606		12.4	#-1299
13	-EpPdiffZ	0606		24.0	#-1299
13	+EPZ	0705		19.4	
13	-EPZ	0705		21.4	
13	+EPZ	0705		30.6	
13	-EPZ	1212		10.6	
13	-EPZ	1212		13.8	
13	+EPZ	1212		27.7	
13	+EPZ	1225		3.4	
13	+EPZ	1225		13.4	
13	+EPdiffZ	1241		24.0	#-1300
13	+EpPdiffZ	1241		44.0	#-1300
13	+EXZ	1346		53.0	
13	+EPZ	1704		4.0	
13	+EPZ	1704		10.0	
13	+EPZ	1801		23.0	
13	+EPZ	1801		30.3	
13	+EPZ	1937		21.2	#-1301
13	-IpPZ	1937		22.4	#-1301
13	-EPnPnZ	1938		35.4	#-1301
13	+IXZ	1938		43.4	#-1301
13	ESH	1942		44.4	#-1301
13	+EPZ	2011		10.6	
13	+EPZ	2011		18.0	
13	+EPZ	2011		25.0	
13	+EPZ	2011		33.3	
13	+EPZ	2102		34.0	
13	-EPZ	2102		36.8	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
13	+EPZ	22	21	5.2	#-1302
13	+EPcPZ	22	21	14.6	#-1302
13	+EpPZ	22	21	38.2	#-1302
13	+EPZ	23	12	34.4	#-1303
13	+EPcPZ	23	12	39.0	#-1303
13	+EXZ	23	12	51.0	#-1303
13	+EsPZ	23	13	6.4	#-1303
14	+EPZ	04	04	6.1	
14	+EPZ	04	04	10.0	
14	+EPdiffZ	04	12	37.2	#-1304
14	+EPZ	04	04	24.9	#-1305
14	-IPZ	04	04	28.0	#-1305
14	+IsPZ	04	04	30.4	#-1305
14	-IpPZ	04	04	33.2	#-1305
14	-EPZ	10	21	6.0	
14	+EPZ	10	21	8.9	
14	-EpPZ	11	21	21.0	#-1306
14	-IPZ	11	21	55.2	#-1307
14	-IpPZ	11	21	57.4	#-1307
14	-IsPZ	11	21	59.8	#-1307
14	-IPZ	11	22	41.0	
14	+EPZ	11	50	8.2	
14	+EPZ	11	50	17.0	
14	+EPZ	11	50	27.8	
14	-EPZ	14	38	11.6	#-1308
14	-EPcPZ	14	38	13.2	#-1308
14	+EPdiffZ	17	47	29.6	#-1309
14	-EPZ	17	49	2.7	
14	+EPZ	17	49	8.0	
14	+EPZ	17	49	14.6	
14	+EPZ	18	18	10.2	
14	-EPZ	18	18	13.7	
14	+EPZ	19	46	6.4	
14	+EPZ	19	46	21.0	
14	+EPZ	19	46	27.0	
14	+EPZ	20	12	11.0	
14	+EPZ	20	12	29.6	
14	+EPZ	20	20	40.0	#-1310
14	+EPcPZ	20	20	44.0	#-1310
14	+EpPZ	20	21	10.0	#-1310
14	+IPZ	22	24	49.3	#-1311
14	-IPcPZ	22	25	4.6	#-1311
14	+IpPZ	22	25	18.0	#-1311
14	+EPZ	23	54	36.2	
14	+EPZ	23	54	46.8	
15	+EPZ	03	43	2.0	
15	+EPZ	03	43	12.5	
15	+EPZ	10	00	12.8	
15	+EPZ	10	00	14.0	
15	-EPZ	10	00	14.2	
15	+EXZ	11	31	35.6	#-1312
15	+EPZ	13	13	13.5	
15	-EPZ	14	12	20.4	#-1313
15	-EPcPZ	14	12	26.0	#-1313
15	-EPZ	14	24	23.0	#-1314
15	+EsPZ	14	24	27.4	#-1314
15	+EPZ	17	18	39.3	
15	-IPZ	17	18	47.8	
15	-EPZ	17	36	8.8	
15	+EPZ	17	36	11.0	
15	+EXZ	18	38	15.7	#-1315
15	-EXZ	18	38	17.0	#-1315
15	+IXZ	18	38	29.6	#-1315
15	+EPZ	20	32	15.0	
15	+EPZ	20	32	20.0	
15	-IPKPdfZ	20	33	50.0	#-1316
15	+EPKiKPZ	20	33	53.0	#-1316
15	+EPZ	22	09	4.8	
15	+EPZ	22	09	7.8	
16	+EPZ	01	54	13.0	
16	-EPZ	01	54	15.4	
16	+IPZ	02	05	13.0	#-1317
16	-EpPZ	02	05	15.4	#-1317
16	+EsPZ	02	05	15.8	#-1317
16	+EPZ	05	02	22.2	
16	+EPZ	05	02	34.6	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
16	+EPZ	0507	49.0	#-1318
16	+EPZ	0610	12.0	
16	+EPZ	0610	14.0	
16	-EPZ	0610	16.4	
16	+EPPZ	0657	29.8	#-1319
16	+IPZ	0929	14.4	#-1320
16	+EpPZ	0929	33.6	#-1320
16	+EPZ	1008	39.0	
16	-EPZ	1028	8.0	
16	+EPZ	1028	10.0	
16	+IPKPdfZ	1221	15.0	#-1321
16	+EpPKPdfZ	1221	22.3	#-1321
16	+EPKPabZ	1222	34.4	#-1321
16	-EpPKPabZ	1222	43.0	#-1321
16	+EPZ	1313	43.0	
16	+EPZ	1313	47.0	
16	+IPZ	1313	49.6	
16	-EPZ	1417	47.4	
16	+EPZ	1417	49.0	
16	-EPZ	1417	52.6	
16	+EPKPdfZ	1444	2.6	#-1322
16	+IXZ	1444	6.4	#-1322
16	-EPZ	1739	53.7	
16	+IPZ	1739	55.4	
16	+EPdiffZ	1757	45.6	#-1323
16	+IPKPdfZ	1801	5.4	#-1323
16	+IPKiKPZ	1801	8.8	#-1323
16	-EpPKPdfZ	1801	41.4	#-1323
16	+EPZ	1836	3.4	
16	-EPZ	1836	7.0	
16	-EPZ	2018	2.8	
16	-EPZ	2018	7.0	
16	+EPZ	2018	24.3	
17	+EPZ	0507	28.0	
17	+EPZ	0707	25.7	
17	+EPZ	0707	38.0	
17	+EPZ	1015	52.6	
17	-EPZ	1015	54.0	
17	+EPZ	1436	22.5	
17	+IPZ	1436	26.0	
17	+EPZ	1436	32.4	
17	+EPcPZ	1506	11.0	#-1324
17	+IPZ	1610	41.4	
17	+IPZ	1610	45.0	
17	+EPZ	1613	40.7	
17	-EPZ	1613	48.4	
17	+IPZ	2009	10.8	#-1325
17	+EPZ	2028	4.0	
17	+EPZ	2028	9.4	
17	-EPZ	2040	23.7	
17	+EPZ	2117	25.2	
17	+EPZ	2222	33.4	
17	-EPZ	2222	45.6	
17	+EPZ	2316	8.4	
17	+EPZ	2316	11.8	
18	-EPPZ	0306	18.4	#-1326
18	-EPZ	0901	52.4	
18	-EPZ	0901	56.4	
18	-EPZ	0903	57.6	#-1327
18	-EXZ	0904	7.0	#-1327
18	+EPZ	1319	22.4	
18	+EPZ	1319	25.1	
18	+EPZ	1319	36.8	
18	+EPZ	1849	38.9	
18	+EPZ	1849	42.4	
18	-EPZ	2123	12.8	
18	-EPZ	2123	14.0	
18	-EPZ	2314	50.6	
18	+EPZ	2314	1.4	
19	+IPZ	0102	57.0	#-1328
19	+EPcPZ	0103	6.6	#-1328
19	-EpPZ	0103	38.0	#-1328
19	+EPZ	0333	5.6	
19	-EPZ	0333	9.6	
19	+EPZ	0542	11.5	
19	+EPZ	0705	18.4	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
19	+EPZ	0835	5.8	
19	+IPZ	0835	9.5	
19	-EPZ	0950	36.8	#-1329
19	-IpPZ	0950	38.6	#-1329
19	+IsPZ	0950	40.8	#-1329
19	-IPZ	1030	47.2	#-1330
19	-IPcPZ	1030	50.1	#-1330
19	-IsPZ	1031	5.8	#-1330
19	+IPPZ	1034	21.6	#-1330
19	ESH	1041	35.0	#-1330
19	+EPZ	1135	35.4	
19	-EPZ	1135	37.5	
19	-EPZ	1135	45.3	
19	+EPZ	1422	14.8	
19	-EPZ	1422	17.2	
19	+EPZ	1648	20.6	
19	-EPZ	1648	25.0	
19	+EPZ	1835	55.0	#-1331
19	+EpPZ	1836	4.0	#-1331
19	-EsPZ	1836	9.0	#-1331
19	+EPZ	2006	5.0	#-1332
19	+IpPZ	2006	8.2	#-1332
19	+EsPZ	2006	9.6	#-1332
19	-IPcPZ	2006	15.0	#-1332
19	+IPZ	2011	42.8	#-1333
19	-EpPZ	2011	48.0	#-1333
19	+EPZ	2140	40.0	
19	+EPZ	2140	47.4	
20	+EPZ	0205	43.2	
20	+EPZ	0205	46.0	
20	+EPZ	0205	49.2	
20	+EPZ	0311	0.8	#-1334
20	-EpPZ	0311	4.4	#-1334
20	+EPnPnZ	0312	17.0	#-1334
20	+EPZ	0529	28.4	
20	-EPZ	0529	30.4	
20	+EPZ	0620	0.4	
20	-EPZ	0620	2.4	
20	+EPZ	0639	49.2	
20	+EPZ	0704	10.7	
20	+EPZ	0704	39.2	
20	+EXZ	1236	46.4	#-1335
20	+EPZ	1300	47.8	
20	+EPZ	1416	29.3	
20	+EPZ	1559	54.0	#-1336
20	+IXZ	1600	7.0	#-1336
20	+EsPZ	1600	12.2	#-1336
20	+EPZ	1809	46.8	
20	-EPZ	1807	51.0	
20	-EPZ	2005	33.8	#-1337
20	-EsPZ	2005	38.0	#-1337
20	+EPcPZ	2005	43.2	#-1337
20	+IPZ	2034	29.8	#-1338
20	-IsPZ	2034	34.0	#-1338
20	-IPcPZ	2034	37.2	#-1338
20	+EPZ	2257	33.4	
20	+EPZ	2257	42.4	
20	+EPZ	2258	25.5	
21	+IPZ	0022	2.7	
21	+EPZ	0022	18.0	
21	+EPZ	0022	25.3	
21	+EPZ	0152	47.0	
21	+EPZ	0216	41.7	
21	+EPZ	0216	44.1	
21	-IPZ	0216	47.2	
21	-EZ	0300	23.4	#-1339
21	+EXZ	0305	31.8	#-1339
21	-IPZ	0932	0.4	#-1340
21	-EsPZ	0932	5.2	#-1340
21	-EPZ	0937	49.2	#-1341
21	-EPcPZ	0937	53.2	#-1341
21	+EPZ	1114	19.4	#-1342
21	-IpPZ	1114	20.4	#-1342
21	-IsPZ	1114	24.3	#-1342
21	+IPnPnZ	1115	4.5	#-1342
21	+EPZ	1224	39.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
21	+EPZ	12	24	42.2	
21	-EpPZ	12	24	53.0	#-1343
21	+IsPZ	12	24	54.6	#-1343
21	+EPnPnZ	12	25	38.2	#-1343
21	+EXZ	12	25	51.0	#-1343
21	+EPZ	13	07	2.2	
21	+EPZ	13	07	9.0	
21	-EPZ	13	36	41.6	#-1344
21	-EPcPZ	13	36	51.2	#-1344
21	+EPZ	15	50	46.4	
21	+EPZ	15	50	49.2	
21	-EPZ	15	51	5.3	
21	+EPZ	17	06	9.7	
21	+IPZ	17	06	13.0	
21	-IPZ	22	04	24.0	#-1345
21	-IPcPZ	22	04	27.0	#-1345
21	-IpPZ	22	04	55.9	#-1345
21	ESH	22	14	53.8	#-1345
22	+EPZ	01	25	2.2	
22	+EPZ	01	25	3.0	
22	+EPZ	01	57	56.0	
22	-IPZ	01	57	58.0	
22	-IPZ	02	48	2.4	
22	-IPZ	02	48	4.1	
22	-EPZ	03	24	26.4	
22	+EPZ	03	24	34.3	
22	+EPZ	04	01	57.0	
22	+IPZ	04	01	0.5	
22	-EXZ	06	50	23.8	#-1346
22	+EXZ	06	50	33.0	#-1346
22	-EPdiffZ	09	22	34.7	#-1347
22	+EPZ	10	06	19.1	
22	+EPZ	10	06	22.6	
22	-EPZ	10	06	29.0	
22	+EPZ	13	48	1.5	
22	+EPZ	15	14	5.2	
22	+EPZ	15	14	8.2	
22	+IPZ	16	48	1.7	#-1348
22	-EPcPZ	16	48	5.0	#-1348
22	+EpPZ	16	48	16.0	#-1348
22	+EPZ	19	14	9.0	
22	+EPZ	19	14	18.8	
22	+EPcPZ	18	18	23.6	#-1349
22	+EpPZ	18	18	41.4	#-1349
22	+EsPZ	18	18	51.4	#-1349
23	+EPZ	01	24	29.2	
23	+EPZ	01	24	30.4	
23	+IPZ	01	24	33.0	
23	+EPZ	04	10	53.3	
23	+EPZ	04	10	57.1	
23	+EPZ	05	45	4.2	
23	+EPZ	05	45	10.2	
23	+EPZ	05	45	22.2	
23	+EsPZ	05	46	47.6	#-1350
23	+IPZ	06	01	5.6	#-1351
23	-EsPZ	06	01	9.5	#-1351
23	+EPZ	07	49	28.0	#-1352
23	+EPcPZ	07	49	29.9	#-1352
23	+EpPZ	07	49	46.0	#-1352
23	-EPZ	08	25	19.0	
23	-EPZ	08	25	19.9	
23	-IPZ	09	22	44.0	#-1353
23	+EPcPZ	09	22	47.0	#-1353
23	+EpPZ	09	47	21.9	#-1354
23	+EXZ	09	47	38.2	#-1354
23	+EPZ	10	19	52.8	
23	-EPZ	10	20	10.0	
23	-EPZ	13	07	8.3	
23	-EPZ	13	07	11.7	
23	+EPZ	13	07	15.0	
23	-IPZ	14	00	28.0	#-1355
23	+IPcPZ	14	00	30.2	#-1355
23	+IpPZ	14	01	0.0	#-1355
23	ESH	14	11	5.0	#-1355
23	-EPZ	15	26	0.4	#-1356
23	+EPcPZ	15	26	2.0	#-1356

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
23	-EPZ	15	50	20.6	
23	+EPZ	15	50	25.1	
23	+EPZ	16	20	39.8	#-1357
23	+EPZ	16	38	20.5	
23	+EPcPZ	16	38	35.0	#-1358
23	+IPZ	19	31	8.0	#-1359
23	+IpPZ	19	31	15.2	#-1359
23	ESH	19	41	11.0	#-1359
23	-EPZ	20	18	12.2	#-1360
23	-IpPZ	20	18	21.0	#-1360
23	ESH	20	28	3.0	#-1360
23	-IPZ	20	23	15.0	#-1361
23	+EsPZ	20	23	27.4	#-1361
23	+IPZ	20	35	27.7	#-1362
23	+IpPZ	20	35	29.4	#-1362
23	+EsPZ	20	35	33.8	#-1362
23	-EPZ	20	39	54.6	#-1363
23	-IpPZ	20	39	57.2	#-1363
23	+EXZ	20	45	53.5	#-1364
23	-IPZ	21	11	7.4	#-1365
23	+IpPZ	21	11	12.2	#-1365
23	-IsPZ	21	11	14.4	#-1365
23	+IPKPdfZ	21	31	16.4	#-1366
23	-IPKiKPZ	21	31	29.6	#-1366
23	-IPcPZ	21	30	48.0	#-1367
23	+IPKPabZ	21	50	50.4	#-1368
23	-IpPKPdfZ	21	50	52.2	#-1368
23	+EPZ	21	57	41.8	#-1369
23	-EpPZ	21	57	47.0	#-1369
23	-EPZ	22	07	32.6	#-1370
23	+EXZ	22	07	39.4	#-1370
23	+EPKPdfZ	22	23	4.1	#-1371
23	+IPKPbcZ	22	23	13.6	#-1371
23	-EXZ	22	23	24.0	#-1371
23	+EPZ	22	27	44.5	#-1372
23	-EpPZ	22	27	47.0	#-1372
23	-EsPZ	22	27	48.1	#-1372
23	+IpPZ	22	29	44.6	#-1373
23	-EPcPZ	22	29	48.2	#-1373
23	+IPZ	22	32	0.0	#-1374
23	+IpPZ	22	32	3.0	#-1374
23	+IPcPZ	22	32	9.7	#-1374
23	+EPZ	22	41	10.4	#-1375
23	+EpPZ	22	41	16.5	#-1375
23	+EPcPZ	22	41	20.0	#-1375
23	-IPKPdfZ	22	49	27.9	#-1376
23	-IXZ	22	49	36.9	#-1376
23	-IPZ	22	45	39.2	#-1377
23	+IpPZ	22	45	40.4	#-1377
23	+IPZ	23	00	52.1	#-1378
23	+IPcPZ	23	01	1.5	#-1378
23	-IpZP	23	01	3.4	#-1378
23	+EPZ	23	07	1.6	#-1379
23	+EpPZ	23	07	3.2	#-1379
23	+EPZ	23	47	10.0	
24	-EPZ	00	05	21.3	#-1380
24	-EpPZ	00	05	24.4	#-1380
24	+IsPZ	00	05	27.0	#-1380
24	+EPZ	00	22	30.2	#-1381
24	-EpPZ	00	22	39.0	#-1381
24	-EsPZ	00	22	44.0	#-1381
24	+EPZ	00	26	13.0	
24	+EpPZ	00	51	3.0	#-1382
24	-EPZ	00	57	58.6	#-1383
24	+IpPZ	00	58	1.2	#-1383
24	+IsPZ	00	58	4.6	#-1383
24	+IPcPZ	00	58	9.8	#-1383
24	-EPZ	01	01	24.0	#-1384
24	+EPcPZ	01	01	33.9	#-1384
24	-IPKPdfZ	01	12	4.5	#-1385
24	+IPKPbcZ	01	12	13.0	#-1385
24	-IPKiKPZ	01	12	15.8	#-1385
24	+EPKPabZ	01	12	27.8	#-1385
24	-IpPKPdfZ	01	12	33.4	#-1385
24	+EPZ	02	41	5.0	#-1386
24	-IpPZ	02	41	12.0	#-1386

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
24	+EPZ	02	59	45.0	#-1387
24	+IsPZ	02	59	49.0	#-1387
24	+EPKPdfZ	03	35	28.4	#-1388
24	+EPKPbcZ	03	35	37.0	#-1388
24	+EXZ	03	35	41.9	#-1388
24	+IPZ	04	25	0.2	#-1389
24	-IpPZ	04	25	6.0	#-1389
24	-IsPZ	04	25	8.8	#-1389
24	-EPZ	04	37	30.8	#-1390
24	-IpPZ	04	37	40.0	#-1390
24	+EPZ	05	00	28.7	#-1391
24	-IpPZ	05	00	36.5	#-1391
24	+EPZ	05	57	14.2	
24	+EPZ	05	57	25.7	
24	+EPZ	06	04	13.9	#-1392
24	-EXZ	06	04	20.6	#-1392
24	+EPZ	06	05	13.3	#-1393
24	+IPcPZ	06	05	23.0	#-1393
24	+IsPZ	06	05	35.0	#-1393
24	+EPZ	06	05	0.5	#-1394
24	+EpPZ	06	05	4.4	#-1394
24	+IXZ	06	40	5.0	#-1395
24	+EXZ	06	40	20.0	#-1395
24	+EPZ	06	50	42.0	#-1396
24	+EPcPZ	06	50	49.9	#-1396
24	+EpPZ	06	50	52.0	#-1396
24	-IPZ	07	15	14.6	
24	+EPZ	07	15	17.6	
24	-IPZ	07	15	29.0	
24	+EPZ	07	15	34.2	
24	+EPZ	08	17	46.0	#-1397
24	-IpPZ	08	17	51.0	#-1397
24	-IsPZ	08	17	55.6	#-1397
24	+IPZ	08	18	4.6	
24	+EpPKPdfZ	08	32	25.2	#-1398
24	+EPKiKPZ	08	32	32.4	#-1398
24	+EpPKPbcZ	08	32	33.0	#-1398
24	-EsPKPbcZ	08	32	36.4	#-1398
24	-EpPZ	09	48	16.8	#-1399
24	-EsPZ	09	48	19.4	#-1399
24	+EPcPZ	09	48	29.4	#-1399
24	+EPZ	11	10	30.5	
24	+EPZ	11	41	51.4	#-1400
24	+EpPZ	11	41	55.0	#-1400
24	-EsPZ	11	41	56.4	#-1400
24	-EPZ	13	07	25.6	
24	-EPZ	13	07	33.0	
24	+EPZ	13	21	9.6	#-1401
24	-EpPZ	13	21	16.3	#-1401
24	+EPZ	13	49	13.0	#-1402
24	+EpPZ	13	49	16.9	#-1402
24	+EPcPZ	13	49	24.1	#-1402
24	+EPZ	13	23	3.8	
24	-IPZ	17	05	36.3	#-1403
24	+IPcPZ	17	05	45.1	#-1403
24	+IpPZ	17	05	47.8	#-1403
24	+IsPZ	17	05	51.8	#-1403
24	ESH	17	15	23.0	#-1403
24	+EPZ	19	03	50.4	
24	-EPZ	19	03	52.0	
24	+IPZ	20	19	47.0	#-1404
24	-IpPZ	20	19	49.4	#-1404
24	-IsPZ	20	19	52.0	#-1404
24	+EPcPZ	21	07	20.4	#-1405
24	-EPZ	22	04	33.0	
24	+EPZ	22	04	39.8	
25	+EPKPbcZ	00	22	48.6	#-1406
25	+EPKiKPZ	00	22	50.5	#-1406
25	-IPKPabZ	00	23	3.4	#-1406
25	+EPZ	00	39	38.8	
25	+EPZ	00	39	42.0	
25	-EPZ	00	50	52.2	
25	+EPZ	00	50	55.0	
25	-EPZ	04	38	19.8	#-1407
25	-IPcPZ	04	38	21.2	#-1407
25	+EpPZ	04	39	35.4	#-1407

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
25	+EPZ	0445		53.6	#-1408
25	+EpPZ	0445		55.6	#-1408
25	+EPZ	0918		5.8	
25	-EPZ	0918		11.0	
25	-IPZ	0934		50.6	#-1409
25	-EPZ	0934		52.2	#-1409
25	-IsPZ	0934		55.1	#-1409
25	+EPdiffZ	1205		39.0	#-1410
25	-IXZ	1205		54.0	#-1410
25	+EPZ	1219		33.4	
25	-IPZ	2258		34.8	#-1411
25	-IpPZ	2258		41.2	#-1411
25	-IPcPZ	2258		47.2	#-1411
25	ESH	2308		21.0	#-1411
26	+EPZ	0024		7.0	#-1412
26	-EXZ	0024		15.2	#-1412
26	+EXZ	0024		24.8	#-1412
26	+EPZ	0204		4.0	
26	+IPZ	0204		4.9	
26	+EPZ	0204		26.2	
26	+IPZ	0241		57.0	#-1413
26	+IPcPZ	0242		5.0	#-1413
26	+IsPZ	0242		10.4	#-1413
26	+EPZ	0400		24.5	
26	+EPZ	0410		22.7	
26	+EPZ	0410		24.8	
26	+EPZ	0410		31.7	
26	+EPZ	0708		43.8	
26	+EPZ	0836		3.6	
26	+EPZ	0920		26.8	
26	-EPZ	0920		39.4	
26	+EpPKPdfZ	0923		4.8	#-1414
26	-EsPKPdfZ	0923		10.4	#-1414
26	-IpPZ	1141		34.3	#-1415
26	-EPZ	1431		4.2	
26	+EPZ	1431		6.9	
26	-EPZ	1708		28.4	
26	+EPZ	1708		31.3	
26	+EPZ	1820		27.3	
26	+EPZ	1820		32.2	
26	+EPZ	1914		10.0	
26	+EPZ	1914		16.0	
26	-EPZ	1914		32.6	
26	-EPZ	1929		45.4	
26	+EPZ	1957		1.0	#-1416
26	+EsPZ	1957		8.4	#-1416
26	+EPZ	2221		28.0	
26	+EPZ	2221		31.4	
27	+EPZ	0209		4.0	
27	+EPZ	0209		44.0	
27	+EPZ	0608		29.7	
27	-EPZ	0608		31.4	
27	+EPZ	1126		20.0	
27	+EPZ	1126		23.0	
27	-EPZ	1218		58.3	
27	-EPZ	1326		27.5	
27	-EPZ	1841		1.7	#-1417
27	+EPcPZ	1841		23.0	#-1417
27	+EsPZ	1841		27.3	#-1417
27	-EPZ	1902		9.4	#-1418
27	+EPZ	2007		51.4	
27	-EPZ	2018		11.0	#-1419
27	+EPZ	2035		32.0	
27	+EPZ	2035		35.6	
27	-EPZ	2035		45.0	
27	+EPZ	2151		6.7	
27	-EPZ	2151		16.5	
28	+EPZ	0022		42.0	#-1420
28	+EpPZ	0022		48.0	#-1420
28	-EPcPZ	0022		51.4	#-1420
28	+EPZ	0333		7.0	#-1421
28	+EXZ	0333		39.4	#-1421
28	-EPZ	0438		12.0	#-1422
28	+EpPZ	0438		19.2	#-1422
28	+EPZ	0726		49.0	
28	-EPZ	0803		6.0	#-1423

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
28	+EpPZ	0803	9.0	#-1423
28	-EPZ	0825	39.4	
28	+EPZ	1059	24.0	
28	+EPZ	1059	27.5	
28	+EPZ	1116	56.3	
28	-EPZ	1117	2.0	
28	+EPZ	1415	10.2	
28	+EPZ	1415	18.6	
28	-EPZ	1415	23.5	
28	-EPZ	1839	28.0	
28	-EPZ	2017	4.0	
29	-EPZ	0116	2.1	
29	+EPZ	0116	6.0	
29	-EpPdiffZ	0516	18.6	#-1424
29	+EPZ	0612	7.6	
29	+IPKPdfZ	0615	10.6	#-1425
29	+EpPKPdfZ	0615	23.8	#-1425
29	-IXZ	0616	20.2	#-1425
29	+EPZ	0732	19.0	#-1426
29	-EPcPZ	0732	22.2	#-1426
29	+EPZ	0759	21.4	#-1427
29	-IpPZ	0759	24.4	#-1427
29	+IsPZ	0759	27.2	#-1427
29	+IPnPnZ	0800	30.0	#-1427
29	-IPPZ	0800	36.2	#-1427
29	+IPZ	0837	31.2	#-1428
29	+IpPZ	0827	34.3	#-1428
29	-IsPZ	0827	35.2	#-1428
29	+EPnPnZ	0828	36.0	#-1428
29	+EPZ	0832	22.0	#-1429
29	+EPZ	0835	23.4	#-1430
29	-IPnPnZ	0836	28.0	#-1430
29	+EPZ	0903	27.3	#-1431
29	+EPnPnZ	0904	34.0	#-1431
29	+EPPZ	0904	40.0	#-1431
29	-EPZ	0914	15.0	
29	+EPZ	0914	23.6	
29	+EPZ	0914	29.6	
29	-EPZ	0914	34.4	
29	+EPZ	1011	4.8	
29	+EPZ	1011	8.8	
29	-EPZ	1011	19.5	
29	+EPZ	1120	39.8	
29	-EPZ	1120	42.0	
29	+EPZ	1120	44.7	
29	-EPZ	1212	8.2	#-1432
29	+EpPZ	1212	13.4	#-1432
29	-EsPZ	1212	14.0	#-1432
29	+EPZ	1217	48.4	#-1433
29	-EpPZ	1217	53.8	#-1433
29	+EsPZ	1217	55.4	#-1433
29	+EPZ	1306	42.0	#-1434
29	-EPZ	1347	52.0	#-1435
29	+EpPZ	1347	55.4	#-1435
29	-IsPZ	1347	56.0	#-1435
29	+EPZ	1420	5.4	
29	+IPZ	1427	5.4	#-1436
29	-IpPZ	1427	7.2	#-1436
29	+IPPZ	1428	15.0	#-1436
29	-EPZ	1439	17.2	#-1437
29	+IpPZ	1439	19.4	#-1437
29	-IsPZ	1439	20.0	#-1437
29	+IPZ	1444	38.6	#-1438
29	+EpPZ	1444	40.4	#-1438
29	+EpPZ	1512	28.2	#-1439
29	+EsPZ	1512	31.4	#-1439
29	+EPZ	1605	34.4	#-1440
29	+EPcPZ	1605	37.0	#-1440
29	+IpPZ	1552	39.4	#-1440
29	+EXZ	1709	56.2	#-1441
29	-EPZ	1728	18.0	#-1442
29	+IXZ	1728	22.6	#-1442
29	+EpPZ	1740	23.0	#-1443
29	+EPnPnZ	1741	30.4	#-1443
29	-EPPZ	1741	34.2	#-1443
29	-EPZ	1837	40.4	#-1444

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
29	+IpPZ	1837		45.0	#-1444
29	+EPPZ	1841		20.8	#-1444
29	+EPZ	1856		41.6	
29	-IPZ	1856		44.0	
29	-EPZ	1856		49.8	
29	+EpPZ	1927		38.0	#-1445
29	-EPnPnZ	1928		43.4	#-1445
29	+EpPZ	1951		11.3	#-1446
29	+EPnPnZ	1952		15.0	#-1446
29	+EPPZ	1952		20.8	#-1446
29	-EPZ	2102		23.0	
29	+EPZ	2102		30.4	
29	-EPZ	2141		41.2	
29	+IPZ	2141		47.1	
29	-EPZ	2246		58.0	#-1447
29	+EpPZ	2247		0.7	#-1447
29	+EPnPnZ	2248		4.7	#-1447
29	+EXZ	2248		6.5	#-1447
29	+EPZ	2308		27.7	#-1448
29	-EsPZ	2308		30.6	#-1448
29	+EPPZ	2309		39.0	#-1448
29	+IPZ	2353		32.0	#-1449
29	-EsPZ	2353		46.2	#-1449
30	+EPZ	0104		22.0	
30	+EPZ	0104		26.7	
30	+IPZ	0158		24.0	#-1450
30	+EpPZ	0158		28.0	#-1450
30	+EPcPZ	0158		32.2	#-1450
30	+EPZ	0410		53.2	
30	-EPZ	0411		4.8	
30	+EPZ	0411		14.9	
30	-EPZ	0432		18.3	
30	+EPZ	0432		24.2	
30	+EPZ	0619		54.0	
30	-EPZ	0620		10.3	
30	+EPZ	0646		30.8	#-1451
30	-EPcPZ	0646		34.0	#-1451
30	+EPZ	1045		36.0	
30	+EPZ	1045		38.6	
30	-IPZ	1147		57.4	#-1452
30	+IpPZ	1148		1.4	#-1452
30	-IsPZ	1148		4.4	#-1452
30	+EPcPZ	1148		9.4	#-1452
30	+EPZ	1222		29.0	#-1453
30	+EpPZ	1222		34.4	#-1453
30	+EPZ	1332		55.3	
30	-IPZ	1332		57.4	
30	+IPZ	1333		4.4	
30	-EPZ	1335		41.4	#-1454
30	+EpPZ	1335		45.6	#-1454
30	-EpPZ	1550		55.0	#-1455
30	-IsPZ	1550		57.2	#-1455
30	+EPnPnZ	1551		56.0	#-1455
30	+EPZ	1651		54.8	
30	+EPZ	1652		1.2	
30	+EPZ	1706		21.4	
30	+EPZ	1706		25.6	
30	+IPZ	1706		33.0	
30	+EPZ	1829		30.0	#-1456
30	+EPcPZ	1829		37.6	#-1456
30	-IPZ	2012		21.0	
30	-IXZ	2013		21.0	#-1457
30	+EPPZ	2014		55.0	#-1457
30	-EPZ	2057		25.0	#-1458
30	+IXZ	2057		33.0	#-1458
30	+IXZ	2057		39.4	#-1458
30	+EPZ	2106		3.6	
30	+EPZ	2130		14.0	
30	-EPZ	2130		30.4	
30	-EsPZ	2211		1.0	#-1459
30	-EPZ	2341		43.0	
Jul. 1	+EPZ	0009		47.0	#-1460
1	+EpPZ	0009		49.0	#-1460
1	-EPZ	0147		19.0	
1	-EPZ	0147		28.2	
1	+EPZ	0148		4.5	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
1	-EPZ	0306	7.4	
1	+EPZ	0306	10.0	
1	+EPZ	0341	37.2	
1	-EPZ	0345	27.7	
1	-EPZ	0552	0.6	#-1461
1	+EsPZ	0552	6.6	#-1461
1	+EPcPZ	0553	5.6	#-1461
1	+EPZ	0732	4.2	
1	+EPZ	0736	12.2	#-1462
1	+EXZ	0736	14.6	#-1462
1	+EPZ	0821	39.7	#-1463
1	-IPcPZ	0821	49.0	#-1463
1	-EsPZ	0821	52.6	#-1463
1	+EXZ	0925	10.6	#-1464
1	-EPZ	0945	19.7	
1	+EPZ	0945	23.4	
1	+EPZ	1009	15.6	
1	+EPZ	1009	17.4	
1	+IPZ	1112	0.0	
1	-EPZ	1112	10.2	
1	+EPZ	1206	25.4	#-1465
1	+EpPZ	1206	28.6	#-1465
1	+EsPZ	1206	31.3	#-1465
1	+EPnPnZ	1207	33.3	#-1465
1	-EPcPZ	1252	25.0	#-1466
1	-EPZ	1426	11.5	
1	+EPZ	1426	15.0	
1	+EPZ	1432	53.4	#-1467
1	+EsPZ	1433	2.2	#-1467
1	-EPZ	1614	4.0	
1	+EPZ	1614	7.2	
1	-IPZ	1758	55.0	
1	+IPZ	1758	56.0	
1	+EPZ	1759	4.6	
1	+EPZ	1823	44.2	#-1468
1	-EpPZ	1823	45.4	#-1468
1	+EsPZ	1823	48.0	#-1468
1	-EPZ	1826	45.4	#-1469
1	+IpPZ	1826	52.2	#-1469
1	+EsPZ	1831	19.2	#-1470
1	+EPcPZ	1831	24.6	#-1470
1	-EPcPZ	2007	49.4	#-1471
1	+EPZ	2241	42.0	
1	-EPZ	2241	44.1	
1	+EPZ	2343	46.0	
1	+EPZ	2343	48.1	
1	+EPZ	2443	49.1	
2	+EPZ	0237	12.4	
2	-EPZ	0237	16.6	
2	-EPZ	0319	27.6	
2	-EPZ	0340	31.4	
2	+EPZ	0340	34.4	
2	-EPZ	0601	12.6	#-1472
2	-IpPZ	0601	17.0	#-1472
2	+IXZ	0622	42.0	#-1472
2	ESH	0607	27.0	#-1472
2	-EPZ	0737	10.0	#-1473
2	+EPcPZ	0737	13.6	#-1473
2	+EpPZ	0737	30.5	#-1473
2	+EsPZ	0737	39.0	#-1473
2	-EPZ	1000	20.2	#-1474
2	-EsPZ	1000	34.0	#-1474
2	-EPZ	1008	55.0	#-1475
2	+EpPZ	1009	1.9	#-1475
2	+IPnPnZ	1010	5.8	#-1475
2	+IXZ	1010	14.2	#-1475
2	-EPZ	1207	48.6	#-1476
2	+EPZ	1208	4.6	
2	+EPZ	1208	11.0	
2	+EPZ	1412	16.8	
2	+EPZ	1412	24.6	
2	-EPZ	1421	21.0	
2	+EPZ	1424	43.0	
2	+EPZ	1512	38.0	
2	+EPZ	1513	18.0	
2	+EPZ	1513	26.6	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
2	+EPZ	1552		23.5	
2	+EPZ	1646		52.9	
2	+EPZ	1717		0.8	
2	+EPZ	1717		4.6	
2	+EPZ	1717		13.4	
2	-EpPZ	1740		21.0	#-1477
2	+EsPZ	1740		25.0	#-1477
2	+EPZ	1805		22.0	
2	+EPZ	1805		26.4	
2	-EPZ	1908		39.5	
2	+EPZ	1908		49.4	
2	+EPZ	2212		15.0	
2	+EPZ	2212		31.6	
2	+EPZ	2232		7.0	
2	+EPZ	2232		10.7	
3	+EPZ	0016		11.8	
3	+EPZ	0016		27.8	
3	+EPZ	0043		41.0	
3	-EPZ	0043		45.8	
3	+EPZ	0137		15.2	#-1478
3	-EpPZ	0137		17.4	#-1478
3	-EsPZ	0137		19.6	#-1478
3	+EPZ	0218		12.0	
3	-EPZ	0218		27.0	
3	+EpPKPdfZ	0316		32.0	#-1479
3	+EPKiKPZ	0316		35.9	#-1479
3	+EpPKiKPZ	0316		40.0	#-1479
3	+EPZ	0338		9.6	
3	+EPZ	0338		12.6	
3	+EPZ	0408		5.0	
3	+EPZ	0408		35.6	
3	+EPZ	0802		56.4	#-1480
3	+IPcPZ	0802		57.0	#-1480
3	+EPZ	0811		44.0	#-1481
3	+EpPZ	0811		50.0	#-1481
3	+IPZ	0947		19.0	#-1482
3	-IPcPZ	0947		21.6	#-1482
3	-EsPZ	0950		32.6	#-1482
3	-EPKPdfZ	1225		11.8	#-1483
3	+IPKPbcZ	1225		21.0	#-1483
3	+IpPKiKPZ	1225		23.2	#-1483
3	+EPZ	1408		51.0	#-1484
3	+EPcPZ	1408		56.6	#-1484
3	+EPZ	1549		16.4	#-1485
3	+EsPZ	1549		21.3	#-1485
3	-EPZ	1823		38.4	
3	+EPZ	1823		39.9	
3	+EPcPZ	1841		15.4	#-1486
3	+EpPZ	1841		47.0	#-1486
3	-EXZ	1926		23.0	#-1487
3	-IXZ	1926		32.4	#-1487
3	-IXZ	1926		46.4	#-1487
3	-IPZ	2001		58.2	#-1488
3	-IPcPZ	2002		5.4	#-1488
3	ESH	2011		4.0	#-1488
3	+EPZ	2204		37.5	
3	+EPZ	2243		24.2	#-1489
3	+EPcPZ	2243		26.5	#-1489
3	+EXZ	2243		44.5	#-1489
3	-EPZ	2312		20.0	
3	+EPZ	2312		25.5	
4	+EPZ	0021		8.6	
4	-EPZ	0021		11.3	
4	+EPZ	0021		28.6	
4	+EPZ	0214		24.6	
4	-EPZ	0540		27.6	#-1490
4	+IpPZ	0540		30.4	#-1490
4	-IsPZ	0540		34.2	#-1490
4	+IPZ	0552		53.8	#-1491
4	-EpPZ	0553		10.6	#-1491
4	+EPZ	0658		8.0	
4	+EPZ	0658		14.2	
4	+IXZ	0658		53.0	#-1492
4	+EPZ	0811		14.4	
4	+EPZ	0811		17.2	
4	+EPZ	1002		41.7	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
4	+EPZ	1002	43.2	
4	+EPZ	1218	3.6	
4	+EPZ	1218	12.3	
4	+EPZ	1218	21.3	
4	-EPZ	1325	22.6	#-1493
4	-EPcPZ	1325	25.4	
4	-EpPZ	1325	36.2	
4	+IPZ	1513	34.8	#-1494
4	-IPcPZ	1513	37.9	
4	-IpPZ	1513	40.2	
4	ESH	1524	39.0	
4	+EPZ	1643	5.5	
4	+EPZ	1643	10.8	
4	+EPZ	1713	30.0	
4	+EPZ	1713	34.9	
4	+EXZ	2123	41.6	#-1495
4	+EPZ	2128	9.2	
4	+EXZ	2258	8.4	#-1496
4	+EXZ	2258	14.0	#-1496
4	-IPZ	2301	7.4	
4	+IXZ	2301	20.0	#-1497
4	+IPKiKPZ	2302	31.0	#-1497
4	+IXZ	2302	40.9	#-1497
4	-IpPZ	2303	8.0	#-1498
4	+EPZ	2301	44.6	#-1499
4	+EpPZ	2301	48.6	#-1499
4	+EsPZ	2301	50.1	#-1499
5	-EPZ	0049	46.0	
5	+EPZ	0049	53.4	
5	+IPZ	0130	0.6	#-1500
5	-IsPZ	0130	6.4	#-1500
5	-IXZ	0130	17.8	#-1500
5	+EPZ	0256	11.4	
5	-EPZ	0256	13.1	
5	+EPZ	0347	55.2	#-1501
5	+EpPZ	0348	7.4	#-1501
5	+EsPZ	0348	13.0	#-1501
5	+EPZ	0812	23.4	
5	+EPZ	0812	25.0	
5	+EPZ	0812	29.8	
5	+EPZ	0951	38.0	#-1502
5	+IXZ	0851	43.0	#-1502
5	+IpPZ	0951	46.6	#-1502
5	+IsPZ	0951	48.5	#-1502
5	-EPZ	1218	40.3	
5	+EPZ	1218	42.7	
5	+EsPZ	1739	45.6	#-1503
5	-EPZ	1739	49.4	
5	+EPZ	1811	39.4	
6	+EPZ	0114	17.4	
6	-EPZ	0114	19.0	
6	-EPZ	0114	23.2	
6	-EPZ	0244	5.0	
6	-EPZ	0244	16.0	
6	-EPZ	0321	7.0	#-1504
6	+EPcPZ	0321	10.0	#-1504
6	+EXZ	0533	49.1	#-1505
6	+EPZ	0610	3.0	
6	+EPZ	0610	9.2	
6	+EPZ	0610	19.7	
6	-EPZ	1117	8.0	
6	+EPZ	1117	10.0	
6	-EPZ	1428	24.8	
6	+EPZ	1428	27.4	
6	+IPZ	1549	30.2	#-1506
6	+IPcPZ	1549	32.2	#-1506
6	+EPPZ	1553	4.8	#-1506
6	+EPZ	1719	32.0	#-1507
6	+EsPZ	1719	37.7	#-1507
6	+EPZ	1926	4.2	
6	+EPZ	1926	7.2	
6	+EPZ	2224	0.8	#-1508
6	+EPcPZ	2224	5.9	#-1508
6	-EPZ	2323	18.2	#-1509
6	+EXZ	2324	35.2	#-1509
6	-EXZ	2324	54.0	#-1509

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
6	+EpPZ	23	24	24.0	#-1510
7	+EPZ	00	26	20.6	
7	-EPZ	00	26	23.4	
7	-EPZ	06	15	9.2	
7	-EPZ	06	15	19.0	
7	-EPZ	07	25	46.8	
7	+EPZ	07	25	50.9	
7	+IPZ	09	26	45.0	#-1511
7	-IPcPZ	09	26	50.0	#-1511
7	+EXZ	09	29	54.8	#-1512
7	-EPZ	10	32	2.0	
7	-EpPZ	10	32	5.8	
7	-IPKPdfZ	11	42	34.4	#-1513
7	+EXZ	11	42	39.2	#-1513
7	+EpPKPdfZ	11	42	51.8	#-1513
7	+EPZ	11	49	10.0	
7	+EPZ	11	52	30.9	
7	+EPZ	14	12	6.4	
7	+EPZ	14	12	16.0	
7	+EPZ	15	18	23.0	
7	+IPZ	15	18	26.0	
7	-EPZ	18	16	53.2	
7	+EPZ	18	17	11.2	
7	+EPZ	18	17	8.0	#-1514
7	+EPcPZ	18	17	11.2	#-1514
7	+EPZ	18	17	25.4	#-1514
7	+EsPZ	18	17	31.6	#-1514
8	+EPZ	00	07	2.2	
8	-EPZ	00	07	11.4	
8	+IPZ	01	35	36.4	#-1515
8	-EPcPZ	01	35	43.6	#-1515
8	+EPZ	02	21	1.4	#-1516
8	-EsPZ	02	21	7.2	#-1516
8	+EPZ	04	11	39.0	
8	+EPZ	04	12	21.0	
8	+EPZ	04	12	35.9	
8	-EPZ	04	12	53.0	
8	+EPZ	06	25	30.6	
8	-EPZ	06	25	38.4	
8	+EPZ	07	17	18.0	
8	+EpPKPdfZ	09	24	41.0	#-1517
8	+EPPZ	09	27	6.7	#-1517
8	-EPZ	13	08	53.4	#-1518
8	+IPcPZ	13	08	56.9	#-1518
8	+IXZ	13	09	20.0	#-1518
8	ESH	13	19	21.4	#-1518
8	+EPZ	13	36	11.0	
8	+EPZ	14	28	2.6	#-1519
8	+EXZ	14	28	9.0	#-1519
8	-EPZ	14	44	30.0	#-1520
8	-IpPZ	14	44	35.4	#-1520
8	+EXZ	14	47	35.8	#-1521
8	+EPZ	15	03	15.0	
8	+EPZ	15	03	19.2	
8	+EPZ	16	16	13.0	#-1522
8	-EpPZ	16	16	19.2	#-1522
8	+EPZ	17	06	10.8	
8	+EPZ	17	06	28.6	
8	-EPZ	17	43	2.9	
8	-EPZ	18	03	5.0	
8	+EPZ	18	03	9.6	
8	-EPZ	18	03	33.4	
8	-EPZ	20	23	5.8	#-1523
8	+EPcPZ	20	23	9.8	#-1523
8	-EsPZ	20	23	14.2	#-1523
8	+EPPZ	22	12	6.0	#-1524
9	+EPZ	00	13	9.0	#-1525
9	+EpPZ	00	13	13.0	#-1525
9	+EXZ	00	13	20.2	#-1525
9	+EPZ	01	14	44.0	
9	+EPZ	03	00	29.7	
9	+EPZ	04	04	3.4	
9	-EPZ	04	04	9.0	
9	-EPZ	05	13	45.9	
9	-EPZ	08	19	2.4	
9	-IpPZ	09	18	4.6	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
9	-EPnPnZ	0820	9.2	
9	+EPZ	0845	26.0	
9	+EPZ	0845	30.6	
9	-EPZ	1125	28.2	#-1526
9	+EPcPZ	1125	33.8	#-1526
9	+EPZ	1224	5.3	
9	+EPZ	1224	13.7	
9	-EPZ	1352	3.6	#-1527
9	+EpPZ	1352	8.8	#-1527
9	+EPcPZ	1353	20.0	#-1527
9	+EPZ	1537	11.5	
9	+EPZ	1606	19.2	
9	+EPZ	1606	33.4	
9	-EPZ	1731	49.6	#-1528
9	+EpPZ	1731	55.4	#-1528
9	+EPcPZ	1731	56.3	#-1528
9	-EPZ	1806	14.0	#-1529
9	-EpPZ	1806	16.2	#-1529
9	+EsPZ	1806	18.5	#-1529
9	+EPZ	1903	1.0	
9	+EPZ	1903	3.4	
9	+EPZ	2003	42.4	
9	+EPZ	2334	15.0	
10	+EPZ	0319	29.5	
10	+EPZ	0921	51.6	
10	+IPZ	0357	30.6	
10	-EPZ	0357	33.4	
10	+EPZ	0419	1.4	
10	+EPZ	0443	46.7	
10	+EPZ	0622	1.7	#-1530
10	+EPZ	0622	25.1	
10	-EPZ	0728	41.4	#-1531
10	+IPcPZ	0728	42.4	#-1531
10	+EpPZ	0729	33.0	#-1531
10	-EsPZ	0729	54.2	#-1531
10	+EPZ	1014	35.0	
10	-IPZ	1014	38.1	
10	+EPZ	1329	5.1	#-1532
10	+EPcPZ	1329	24.6	#-1532
10	-EPZ	1522	16.4	
10	-EPZ	1522	51.0	
10	-EPZ	1603	22.4	
10	+EPZ	1711	5.4	
10	+EPZ	1757	28.5	
10	+EPZ	1757	30.8	
10	-EPZ	1910	40.0	
10	+EPZ	1910	45.0	
10	-EPZ	1937	47.2	#-1533
10	-EPZ	2006	45.0	
10	+EPZ	2006	49.6	
10	+IPZ	2006	50.6	
10	-EPZ	2052	4.0	
10	+EPZ	2052	9.0	
10	+EPZ	2351	20.0	
10	-EPZ	2351	45.0	
11	+EPZ	0306	1.5	
11	+EPZ	0306	9.4	
11	-EPZ	0306	45.0	
11	+EPZ	0405	9.8	
11	+EPZ	0544	25.3	
11	-EPZ	0544	32.6	
11	+EPZ	0820	6.0	
11	+EPZ	0820	13.6	
11	+EPZ	0936	41.0	#-1534
11	+EPcPZ	0936	50.4	#-1534
11	+EPZ	0942	49.4	#-1535
11	-EPcPZ	0942	52.6	#-1535
11	-EPZ	1234	45.8	#-1536
11	-EsPZ	1234	49.0	#-1536
11	+EPZ	1312	43.0	
11	+EPZ	1326	32.6	
11	-EXZ	1326	41.4	#-1537
11	-IXZ	1326	49.8	#-1537
11	+EPZ	1521	12.4	
11	-EPZ	1521	18.6	
11	-EPZ	1818	46.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
11	+EPZ	1900		9.0	
11	-EPZ	1900		14.0	
11	+EPZ	1941		2.2	
11	+IPKiKPZ	1941		8.0	#-1538
11	-IpPKPdfZ	1941		14.6	#-1538
11	+IPPZ	1943		14.8	#-1538
11	-EPZ	1944		6.2	#-1539
11	-EpPdiffZ	1944		11.0	#-1539
11	+EPZ	1947		31.4	
11	+IPZ	1951		13.0	
11	+EPZ	1953		27.6	
11	+IPZ	1954		8.4	
11	+EPZ	2023		7.4	
11	+EPZ	2031		39.3	
12	+EPZ	0004		10.4	
12	+EPZ	0004		22.2	
12	+EPZ	0822		5.3	
12	+IPZ	0822		8.0	
12	+EPZ	0911		31.0	
12	+IPZ	1429		2.6	
12	+EPZ	1429		5.2	
12	+IpPZ	1755		46.2	#-1540
12	-IsPZ	1755		47.8	#-1540
12	-IPZ	1756		7.3	
12	ESH	1800		57.0	#-1540
12	+EPZ	1827		5.0	#-1541
12	+EsPZ	1827		8.4	#-1541
12	+EPnPnZ	1828		10.0	#-1541
12	+EPZ	2002		1.0	
12	+EPZ	2002		9.9	
12	+EPZ	2023		20.0	
12	+EpPZ	2105		15.0	#-1542
12	+EPZ	2224		39.3	
12	+EPZ	2334		36.7	#-1543
12	+EXZ	2334		44.0	#-1543
13	+EPZ	0020		35.0	
13	+EPZ	0020		36.8	
13	+IPZ	0327		35.0	#-1544
13	+IpPZ	0327		47.4	#-1544
13	+EXZ	0327		50.4	#-1544
13	-EPZ	0729		16.2	#-1545
13	+IpPZ	0729		34.8	#-1545
13	-IsPZ	0729		45.0	#-1545
13	+EPZ	0858		6.0	#-1546
13	+EXZ	0858		24.2	#-1546
13	+EPZ	1420		5.0	
13	-EPcPZ	1519		1.0	#-1547
13	+EpPZ	1519		5.0	#-1547
13	-EPcPZ	1535		8.0	#-1548
13	+EXZ	1638		3.3	#-1549
13	+EPZ	1909		2.6	
13	+EPZ	1909		6.0	
13	+EXZ	2013		51.2	#-1550
13	-EPZ	2014		13.0	
13	-IPZ	2106		9.4	
13	+IPcPZ	2106		14.4	#-1551
13	-IpPZ	2106		19.4	#-1551
13	-EPZ	2213		45.0	#-1551
14	+EPZ	0516		40.8	#-1552
14	+EPcPZ	0516		51.8	#-1552
14	+EPZ	0556		35.1	#-1553
14	+EXZ	0556		44.0	#-1553
14	+EPZ	0712		18.6	#-1554
14	-EpPZ	0712		20.4	#-1554
14	-IPZ	0813		13.0	#-1555
14	-IPcPZ	0813		15.3	#-1555
14	-IpPZ	0813		20.0	#-1555
14	+IsPZ	0813		24.0	#-1555
14	+IPPZ	0817		3.0	#-1555
14	ESH	0824		21.0	#-1555
14	-EPZ	0854		8.2	#-1556
14	-EPZ	0909		1.0	
14	+EPZ	0909		4.0	
14	+IPZ	0909		7.6	
14	+IpPZ	1136		53.2	#-1557
14	-IsPZ	1136		55.8	#-1557

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
14	-IPcPZ	1136	57.0	#-1557
14	+IPZ	1502	57.4	#-1558
14	+EPcPZ	1503	0.2	#-1558
14	+EPZ	1831	42.0	#-1559
14	-EpPZ	1831	45.6	#-1559
14	-EPZ	2001	46.4	
14	-EPZ	2001	47.4	
14	+EPZ	2223	1.4	
15	+EPZ	0019	26.4	
15	-EPZ	0021	15.0	
15	+IPZ	0250	35.0	#-1560
15	+IPcPZ	0250	37.0	#-1560
15	+IpPZ	0250	49.0	#-1560
15	+EsPZ	0250	55.6	#-1560
15	+EPZ	0432	33.0	
15	+EPZ	0432	40.4	
15	+EPZ	0607	54.0	
15	+EPZ	0607	5.4	
15	+EPZ	0958	15.4	#-1561
15	+EpPZ	0958	19.8	#-1561
15	+EPZ	1043	47.5	#-1562
15	+EpPZ	1043	51.0	#-1562
15	+EPZ	1139	48.6	
15	-EPZ	1139	51.4	
15	+EPZ	1157	4.0	
15	+EPZ	1157	16.4	
15	+EPZ	1200	3.6	
15	-EPZ	1200	20.8	
15	-EPZ	1422	40.0	
15	+EpPZ	1652	22.0	#-1563
15	+EPZ	1822	37.2	#-1564
15	+EsPZ	1822	43.8	#-1564
15	+EPZ	2118	21.4	
15	+EPZ	2118	23.4	
15	-EPKPdfZ	2233	13.0	#-1565
15	+EXZ	2233	18.0	#-1565
16	+EPZ	0215	27.8	
16	-EPZ	0301	5.1	
16	-EPZ	0436	36.0	
16	-EpPZ	0436	40.0	
16	+EPZ	0558	53.3	
16	-EPZ	1032	22.0	
16	+IPZ	1032	23.6	
16	+EPZ	1032	26.2	
16	-IPZ	1111	2.0	#-1566
16	-IPcPZ	1111	4.4	#-1566
16	+EpPZ	1111	14.6	#-1566
16	+EsPZ	1111	17.0	#-1566
16	-EPPZ	1114	25.0	#-1566
16	ESH	1121	33.0	#-1566
16	+EXZ	1124	29.8	#-1567
16	-EPZ	1322	57.6	
16	+EPZ	1323	5.6	
16	+EPZ	1509	42.0	
16	+EPZ	1509	45.0	
16	+EPZ	1555	4.6	
16	+EPZ	1555	14.6	
16	+IPZ	1709	12.8	
16	+EPcPZ	1709	14.4	
16	+IpPZ	1709	20.9	
16	-EPZ	1837	24.0	#-1568
16	+EpPZ	1837	29.9	#-1568
16	+EPZ	1901	28.4	
16	-EPZ	2057	33.7	
16	-EPZ	2057	44.0	
16	+EPZ	2337	1.5	
16	+EPZ	2337	3.4	
17	+EPZ	0225	3.4	
17	-EPZ	0225	15.0	
17	+EPZ	0309	32.8	
17	+EPZ	0513	26.0	
17	-EPZ	0513	29.0	
17	+EPZ	0719	33.0	
17	+EPZ	0719	37.0	
17	-IPZ	0719	42.1	
17	-IPZ	0719	49.6	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
17	+IPZ	0822	59.1	
17	-IPZ	0823	4.6	
17	+IPZ	0823	20.4	
17	+EPZ	1120	42.0	#-1569
17	+EPcPZ	1120	44.9	#-1569
17	+EpPZ	1121	10.0	#-1569
17	+EXZ	1209	50.4	#-1570
17	-IpPKPabZ	1211	4.8	#-1570
17	+EPZ	1211	33.0	
17	ESH	1222	20.0	#-1570
17	-EPZ	1306	46.0	
17	-EPZ	1404	9.8	
17	+EPZ	1407	13.6	
17	+EPZ	1407	20.2	
17	-IPZ	1408	49.4	#-1571
17	-EpPZ	1409	2.0	#-1571
17	+EPZ	1705	26.3	
17	+IPZ	1821	43.1	#-1572
17	+EPcPZ	1821	45.9	#-1572
17	-EsPZ	1822	7.4	#-1572
17	+EPZ	1928	26.4	
18	-EPZ	0107	20.4	
18	-EPZ	0123	29.6	
18	+EPZ	0123	33.0	
18	+EPZ	0536	9.4	#-1573
18	-EPcPZ	0536	19.3	#-1573
18	-EPZ	0602	3.4	
18	+IPZ	0602	5.8	
18	-EPZ	0745	47.0	
18	-IPZ	0745	49.2	
18	-IPZ	0745	50.8	
18	+EPZ	0815	28.6	
18	+EPZ	0815	31.3	
18	-EPZ	0911	18.0	#-1574
18	+IPcPZ	0911	21.3	#-1574
18	-IpPZ	0911	28.6	#-1574
18	-EsPZ	0911	32.0	#-1574
18	-EPZ	1338	39.0	
18	+EPZ	1742	38.6	
18	+EPZ	1742	42.0	
18	+EPZ	1802	30.0	#-1575
18	-EPZ	1834	28.6	#-1576
18	-IXZ	1834	34.2	#-1576
18	-IXZ	1834	37.4	#-1576
18	-IPcPZ	1834	49.3	#-1576
18	ESH	1843	51.8	#-1576
18	+EPcPZ	1856	55.8	#-1577
18	+EsPZ	1857	7.4	#-1577
18	+EPZ	2101	17.3	
18	+EPZ	2248	24.6	
18	-EPZ	2248	26.1	
19	+EPZ	0007	22.0	
19	-EPZ	0208	20.4	
19	+EPZ	0208	28.0	
19	+EPZ	0626	18.7	#-1578
19	+IPcPZ	0626	29.0	#-1578
19	ESH	0635	16.2	#-1578
19	-EPZ	0719	39.9	
19	+IPZ	1000	23.8	#-1579
19	+EXZ	1000	32.4	#-1579
19	+EPZ	1057	30.6	
19	+EPZ	1159	16.5	
19	-EPZ	1217	19.7	
19	-IPZ	1239	50.4	#-1580
19	-IPcPZ	1239	52.7	#-1580
19	+EpPZ	1240	47.4	#-1580
19	ESH	1250	27.5	#-1580
19	+EPZ	1316	45.0	#-1581
19	+EPZ	1326	1.4	#-1582
19	-EsPZ	1326	4.6	#-1582
19	+EPZ	1426	19.0	#-1583
19	+IpPZ	1426	24.4	#-1583
19	-IPcPZ	1426	26.6	#-1583
19	+EPZ	1621	18.0	
19	+EPZ	1921	37.7	
19	+EPZ	1921	39.2	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
19	+EPZ	2318	50.0	
19	-EPZ	2338	22.4	
20	-EPZ	0314	0.2	
20	+EPZ	0314	3.8	
20	+EPZ	0314	11.0	
20	-EPZ	0430	43.4	#-1584
20	-IpPZ	0430	45.8	#-1584
20	+IsPZ	0430	48.3	#-1584
20	ESH	0440	38.1	#-1584
20	+EPZ	0643	1.1	
20	-EPZ	0643	8.0	
20	+EPZ	0643	16.4	
20	+EPZ	1010	4.0	
20	+EPZ	1010	5.6	
20	-EPZ	1222	36.0	#-1585
20	+EPcPZ	1222	39.7	#-1585
20	-EsPZ	1222	52.6	#-1585
20	-EPcPZ	1242	7.0	#-1586
20	+EsPZ	1242	24.8	#-1586
20	+EPZ	1528	22.8	
20	+EPZ	1537	7.0	#-1587
20	+EPZ	1852	49.1	
20	+IPZ	1852	51.6	
20	-EPZ	1852	55.4	
20	-IPZ	1853	1.0	
20	-IPZ	1853	4.9	
20	ESH	1908	10.0	
21	+IPZ	0033	25.2	#-1588
21	-EpPZ	0033	30.6	#-1588
21	+EsPZ	0033	33.4	#-1588
21	-EPZ	0152	37.0	
21	-EPZ	0214	3.6	
21	+EPZ	0823	9.7	
21	+EPZ	0829	14.2	
21	+EPZ	0829	31.4	
21	-EPZ	0959	19.2	
21	-EPZ	0959	24.4	
21	-EPZ	1205	28.0	
21	-EPZ	1205	34.8	
21	+IPZ	1354	32.6	
21	+IPZ	1506	21.4	#-1589
21	ESH	1516	13.8	#-1589
21	-EPZ	1532	0.4	
21	-EPZ	1532	9.0	
21	+EPZ	1553	41.0	#-1590
21	+EsPZ	1553	50.0	#-1590
21	+EPZ	1607	17.2	
21	-EPZ	1607	20.4	
21	+IPZ	1823	9.4	
22	-EPZ	0241	2.2	
22	+EPZ	0241	16.6	
22	+EPZ	0519	1.9	
22	-EPZ	0519	12.3	
22	+EPZ	1423	36.3	#-1591
22	-EPcPZ	1423	37.8	#-1591
22	+EpPZ	1424	28.0	#-1591
22	+EpPZ	1536	18.0	#-1592
22	+EPZ	1616	39.0	
22	+EPZ	1616	40.1	
23	+EPZ	0038	51.6	#-1593
23	-IPcPZ	0038	52.6	#-1593
23	+EPZ	0337	6.4	
23	-EPZ	0337	14.4	
23	-EPZ	0603	53.0	#-1594
23	+EPZ	0813	18.0	
23	+EPZ	0813	21.8	
23	-EPZ	0921	53.6	
23	+EPZ	0921	55.0	
23	+EPZ	0922	3.6	
23	-EPZ	1341	37.9	
23	-EPZ	1341	40.4	
23	+IPZ	1341	46.7	
23	+EPZ	1727	13.6	
23	+EPZ	1727	16.8	
23	+EXZ	1737	3.6	#-1595
23	-EPcPZ	1737	7.0	#-1595

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
23	+EPZ	1835		37.6	#-1596
23	+EPZ	2010		15.4	
23	+IPZ	2150		50.6	#-1597
23	-IXZ	2150		55.4	#-1597
23	-IpPZ	2151		17.2	#-1597
23	ESH	2200		33.0	#-1597
23	+EPZ	2348		32.8	
23	-EPZ	2348		40.5	
23	-EPZ	2348		42.8	
24	-EPZ	0215		20.3	
24	-EPZ	0215		23.9	
24	+EPZ	0344		34.8	
24	+EPZ	0501		42.4	#-1598
24	+EPZ	0701		49.0	
24	+EPZ	0701		54.6	
24	+EPZ	0702		5.6	
24	+EPZ	0852		45.4	#-1599
24	-EXZ	0852		53.8	#-1599
24	+EPZ	0930		9.4	
24	+EPZ	0930		14.4	
24	+EPZ	1009		38.8	
24	+EPZ	1009		46.3	
24	+EPZ	1158		51.0	#-1600
24	+EpPZ	1158		54.7	#-1600
24	-EPZ	1411		22.4	
24	-EPZ	1411		40.0	
24	-EPZ	1510		1.0	
24	+EPZ	1510		13.0	
24	-EPZ	1547		1.5	
24	+EPZ	1619		2.2	
24	-EPZ	1619		15.0	
24	+EpPZ	1634		55.0	#-1601
24	-IPZ	1723		12.5	#-1602
24	+IPcPZ	1723		14.4	#-1602
24	-EPZ	1727		21.0	#-1603
24	+EsPZ	1727		45.6	#-1603
24	-EPZ	1806		19.4	
24	-EPZ	1806		21.3	

Date	Phase	Time H	M	S	Remarks
24	+EPZ	1816		9.0	
24	+EPZ	2152		2.6	
24	+EPZ	2152		4.2	
24	-EPZ	2152		9.0	
24	-EPZ	2218		3.0	
24	+EPZ	2218		7.1	
25	+EPZ	0009		5.4	
25	-EPZ	0009		8.6	
25	+EPZ	0014		10.6	#-1604
25	+EPZ	0014		41.3	
25	+EPZ	0204		0.2	
25	+EPZ	0324		8.0	
25	-EPZ	0324		11.2	
25	+EPZ	0504		11.0	
25	+EPZ	0504		15.1	
25	+EPZ	0653		4.2	
25	-EPZ	0653		7.0	
25	+IPZ	0845		0.0	#-1605
25	+EpPZ	0845		9.4	#-1605
25	+EPZ	0931		42.0	
25	+EPZ	0931		54.0	
25	+EPZ	1017		26.1	
25	+IPZ	1017		29.0	
25	-IPKPdfZ	1114		54.3	#-1606
25	+IpPKPdfZ	1114		58.5	#-1606
25	+IpPKPabZ	1116		11.6	#-1606
25	-IPPZ	1121		37.6	#-1606
25	+EPZ	1120		57.8	#-1607
25	+EPZ	1225		36.0	
25	+EPZ	1225		39.6	
25	+EPZ	1238		23.0	
25	+EPZ	1238		25.0	
25	+EPZ	1435		42.6	
25	+EPZ	1623		0.9	
25	-EPZ	1623		9.4	
25	+EPZ	1623		24.4	
25	+EPZ	1725		2.0	
25	+EPZ	1725		6.6	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
25	+EPZ	1825	28.0	
25	+EPZ	1825	31.4	
25	-EPZ	1953	32.0	#-1608
25	-EPcPZ	1953	35.0	#-1608
25	+EPZ	2106	2.2	
25	-EPZ	2106	4.4	
25	+EPZ	2106	8.4	
25	+EPZ	2318	49.0	
25	+IPZ	2318	51.0	
26	+EPZ	0110	37.6	
26	+EPZ	0110	41.4	
26	+EPZ	0126	38.0	
26	+EPZ	0213	10.9	
26	+EPZ	0213	20.0	
26	+EPZ	0227	18.4	
26	+EPZ	0227	25.6	
26	+EPZ	0415	4.6	
26	-EPZ	0415	15.6	
26	+EPZ	0415	19.5	
26	+EPZ	0703	20.6	
26	-EPZ	0703	28.3	
26	+EPZ	0742	49.7	#-1609
26	+EpPZ	0742	52.2	#-1609
26	+EPZ	0824	13.0	
26	-EPZ	0824	18.7	
26	+IPZ	1103	2.0	
26	-EPZ	1104	56.3	#-1610
26	+EpPZ	1105	0.5	#-1610
26	+IPnPnZ	1105	27.0	#-1610
26	+EPZ	1119	14.4	#-1611
26	+IPZ	1119	17.0	#-1611
26	-EPZ	1128	39.0	#-1612
26	+EpPZ	1128	44.0	#-1612
26	-EPZ	1222	8.2	
26	+EPZ	1534	55.6	
26	+IPZ	1535	0.2	
26	+EPZ	1535	10.0	
26	+EPZ	1605	17.8	#-1613
26	+EpPZ	1605	20.2	#-1613
26	-EPZ	1721	7.6	#-1614
26	-IpPZ	1721	9.4	#-1614
26	-EsPZ	1721	11.2	#-1614
26	-EPZ	1741	20.0	
26	-EPZ	1855	44.6	
26	-IPZ	2120	8.2	#-1615
26	-EPcPZ	2120	10.8	#-1615
26	-EPZ	2118	53.4	
26	-EPZ	2118	55.0	
26	+EPZ	2306	21.0	
26	+EPZ	2309	4.0	
26	-EPZ	2309	6.8	
26	+EPZ	2331	27.0	
26	+EPZ	2331	29.4	
26	-EPZ	2331	36.2	
26	+EPZ	0109	27.1	
26	+EPZ	0109	29.0	
26	+EPZ	0143	23.0	
26	-EPZ	0338	5.6	
26	+EPZ	0338	9.2	
26	-EPZ	0358	8.2	
26	+EPZ	0414	15.3	#-1616
26	-EPcPZ	0414	19.0	#-1616
26	+EpPZ	0414	57.4	#-1616
27	+EPZ	0720	15.3	
27	-EPZ	0720	21.0	
27	-EsPZ	0810	6.6	#-1617
27	+EsPZ	0810	11.3	#-1617
27	+EPcPZ	1028	29.4	#-1618
27	+EpPZ	1028	40.1	#-1618
27	+EPZ	1304	7.5	
27	+EPZ	1304	9.3	
27	+EPZ	1304	13.7	
27	+EPZ	1413	0.3	
27	-EPZ	1413	3.7	
27	-EPZ	1636	1.8	
27	+EPZ	1636	4.2	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
27	+EPZ	16	36	14.0	
27	-EPZ	18	23	53.2	
27	+EPZ	18	44	11.7	
27	-EPZ	19	13	35.0	
27	+EPZ	21	05	4.2	
27	-EPZ	21	10	10.0	
28	+IPZ	04	14	0.5	
28	-EPZ	04	14	2.4	
28	+EPZ	04	14	13.4	
28	-EPZ	05	10	41.0	
28	+EPZ	07	14	18.7	
28	+EPZ	07	14	21.2	
28	+EPZ	08	12	37.7	#-1619
28	+EsPZ	08	12	42.1	#-1619
28	+EPZ	09	09	17.0	
28	-EPZ	09	09	20.4	
28	+EPZ	11	27	30.2	
28	+EPZ	13	50	21.0	
28	-EPZ	18	14	52.4	
28	-EPZ	18	14	56.0	
28	+EPZ	19	01	56.5	#-1620
28	+EXZ	19	02	5.9	#-1620
28	-EPZ	22	09	12.6	
28	-EPZ	22	09	14.0	
28	+EXZ	23	13	39.9	#-1621
28	-IPcPZ	23	13	43.0	#-1621
28	+EsPZ	23	13	47.7	#-1621
28	+EpPZ	23	21	0.6	#-1622
28	+EPZ	23	52	21.0	#-1623
28	+EpPZ	23	52	24.8	#-1623
28	-EPPZ	23	55	29.0	#-1623
29	+EPZ	00	03	49.7	#-1624
29	+EpPZ	00	03	54.0	#-1624
29	+EPZ	01	22	37.4	
29	+EPZ	03	21	25.5	
29	+EPZ	03	23	17.1	
29	+EPZ	03	50	29.5	
29	-EPZ	03	50	33.6	
29	+EPZ	03	50	42.5	
29	-EPZ	07	20	12.8	#-1625
29	-EpPZ	07	20	17.7	#-1625
29	-EPZ	07	27	28.4	#-1626
29	-EpPZ	07	27	32.9	#-1626
29	+EPKPdfZ	11	04	53.4	#-1627
29	+EPKiKPZ	11	04	55.6	#-1627
29	-IXZ	11	05	21.0	#-1627
29	+EPZ	13	13	23.0	
29	-EPZ	13	13	27.0	
29	+EPZ	13	40	52.4	#-1628
29	-EPcPZ	13	40	55.4	#-1628
29	+EPZ	13	48	7.2	
29	+EPZ	14	20	11.2	
29	+IPZ	17	02	37.2	#-1629
29	-IPcPZ	17	02	42.2	#-1629
29	+IpPZ	17	02	49.0	#-1629
29	+IsPZ	17	02	54.7	#-1629
29	-EPZ	20	17	3.2	
29	+EPZ	20	17	11.5	
29	-EPZ	21	15	14.4	#-1630
29	-IpPZ	21	15	34.6	#-1630
30	-EPZ	01	45	34.6	#-1631
30	+EPcPZ	01	45	38.6	#-1631
30	-EPZ	02	25	35.6	
30	+EPZ	02	25	40.1	
30	-EPZ	02	25	47.2	
30	+EPZ	02	34	25.0	#-1632
30	+IpPZ	02	34	27.7	#-1632
30	-EPZ	10	10	36.0	
30	-EPZ	10	10	39.0	
30	-EPZ	10	10	45.3	
30	+EPZ	13	51	10.6	#-1633
30	-EPZ	14	12	47.6	
30	+EPZ	14	12	53.0	
30	-EPZ	14	12	54.7	#-1634
30	+EPZ	16	14	7.4	#-1634
30	-EPZ	17	03	5.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
30	+EPZ	17	03	13.4	
30	+EPZ	21	21	50.0	
30	+EPZ	21	21	54.6	
31	+IPZ	00	30	20.4	#-1635
31	-EPcPZ	00	30	23.0	#-1635
31	+EPZ	01	21	22.0	
31	+EPZ	01	21	25.2	
31	+EPZ	02	28	57.0	
31	-EPZ	02	29	1.2	
31	+EPZ	02	34	7.6	
31	+EPZ	02	34	9.5	
31	-IPZ	02	34	14.6	
31	+EPZ	02	50	0.8	
31	+EPZ	02	50	4.5	
31	+EPZ	03	23	18.0	
31	+EPZ	03	23	28.0	
31	+EPZ	04	28	27.8	
31	+EPZ	10	33	29.4	#-1636
31	+IPcPZ	10	33	33.6	#-1636
31	+EPZ	13	54	0.1	#-1637
31	+IPcPZ	13	54	2.5	#-1637
31	+EpPZ	13	54	5.0	#-1637
31	+EPZ	14	04	25.9	
31	+EPZ	16	02	48.0	#-1638
31	+IpPZ	16	02	55.4	#-1638
31	-IsPZ	16	02	57.4	#-1638
31	-EPZ	17	45	9.0	#-1639
31	+IpPZ	17	45	11.6	#-1639
31	+EPcPZ	18	21	24.4	#-1640
31	+EpPZ	18	21	49.6	#-1640
31	+IPZ	18	45	47.0	
31	+EPZ	22	15	14.2	
31	-EPZ	22	15	17.0	
31	+IPZ	22	15	18.8	
Aug. 1	+EPZ	00	50	21.6	
1	+EPZ	03	22	27.3	#-1641
1	+EPcPZ	03	22	33.4	#-1641
1	+EPZ	03	21	18.0	

Date	Phase	Time H	M	S	Remarks
1	+EPZ	03	21	21.6	
1	-EPZ	03	21	25.6	
1	+EPZ	04	24	19.0	
1	+EPZ	05	10	11.2	
1	+EPZ	05	10	26.8	
1	+EPZ	05	10	34.8	
1	+EPZ	07	06	20.5	
1	+EPZ	12	24	13.0	
1	-EPZ	12	24	15.8	
1	+EPZ	12	24	23.6	
1	+EPZ	13	14	47.4	#-1642
1	-EPcPZ	13	14	49.4	#-1642
1	-EpPZ	13	14	51.6	#-1642
1	+EPZ	13	23	39.0	
1	+EPZ	13	23	39.7	
1	+EPZ	13	23	41.8	
1	+EPZ	13	47	51.0	#-1643
1	-EPcPZ	13	47	54.0	#-1643
1	+EPZ	15	24	2.6	
1	+EPZ	15	24	8.0	
1	-EPZ	15	24	19.6	
1	-EPZ	17	21	35.4	
1	-EPZ	17	21	40.3	
1	-EPZ	19	14	23.4	
1	+EPZ	19	14	26.7	
1	-EPZ	21	20	23.0	
2	+EPZ	00	12	43.0	
2	-EPZ	01	17	19.0	
2	+EPZ	01	17	56.2	#-1644
2	+EPZ	01	18	0.6	
2	-EPZ	02	24	47.4	
2	+EPZ	02	24	49.6	
2	-EPZ	02	24	52.9	
2	+EPZ	03	46	5.0	
2	-EPZ	03	46	21.0	
2	+EPZ	08	51	22.0	
2	+EPZ	08	51	25.0	
2	+EPZ	08	51	28.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
2	-EPZ	1005		16.2	#-1645
2	+EpPZ	1005		20.0	#-1645
2	-EXZ	1043		48.0	#-1646
2	+EpPZ	1043		54.0	#-1646
2	+EPZ	1356		26.8	
2	+EPZ	1356		29.5	
2	+EPZ	1408		43.0	#-1647
2	+EpPZ	1408		46.4	#-1647
2	-IsPZ	1408		48.8	#-1647
2	+IPnPnZ	1409		52.2	#-1647
2	+EPZ	1422		1.0	
2	+IPZ	1504		12.4	
2	+EPZ	1610		9.0	
2	+EPZ	1610		12.9	
2	-EPZ	1610		17.5	
2	-EXZ	1631		38.0	#-1648
2	-EPcPZ	1631		40.2	#-1648
2	+EPZ	1828		0.4	
2	+EPZ	1935		1.0	
2	+EPZ	1935		6.0	
2	+EPZ	2022		18.4	
2	-EPZ	2340		7.4	
2	+EPZ	2340		12.2	
3	+EPZ	0035		32.0	#-1649
3	-IPcPZ	0035		34.0	#-1649
3	-IpPZ	0035		38.0	#-1649
3	+EPZ	0040		9.0	#-1650
3	-EpPZ	0040		15.0	#-1650
3	-EPZ	0052		45.0	#-1651
3	+EpPZ	0052		49.2	#-1651
3	+EPZ	0114		33.7	
3	+EPZ	0114		37.7	
3	-EPZ	0114		39.8	
3	-EpPZ	0122		53.6	#-1652
3	-EPZ	0354		38.6	
3	-EPZ	0354		41.4	
3	-EpPdiffZ	0421		0.8	#-1653
3	+EsPdiffZ	0421		2.6	#-1653
3	-EpPZ	0502		11.0	#-1654
3	-EPZ	0607		3.0	
3	+EPZ	0607		13.0	
3	+EPZ	0607		27.2	
3	+IPZ	0611		2.5	
3	+EPdiffZ	0611		34.6	#-1655
3	+IPZ	0715		34.4	
3	-EPZ	0715		44.0	
3	+EPZ	0736		24.8	#-1656
3	-EpPZ	0736		26.8	#-1656
3	+IPnPnZ	0737		30.7	#-1656
3	+IPPZ	0737		36.0	#-1656
3	+EPZ	0844		54.6	
3	+EPZ	0845		20.5	
3	+EPZ	0846		47.8	
3	+EPZ	0846		50.0	
3	+EPZ	0858		35.5	
3	-EPZ	0858		41.0	
3	-EPZ	0858		44.0	
3	+EPZ	1005		47.6	
3	+IPZ	1005		50.6	
3	+EPZ	1013		2.4	
3	-EPZ	1012		55.3	
3	-EPZ	1057		40.0	#-1657
3	+EpPZ	1057		43.6	#-1657
3	+IPZ	1103		0.4	
3	+EPZ	1103		3.4	
3	+IPZ	1103		8.0	
3	+EPZ	1220		37.6	
3	+EPZ	1220		46.2	
3	-EPZ	1220		51.6	
3	+EPZ	1338		35.4	
3	+EPZ	1356		39.8	#-1658
3	-EXZ	1357		1.0	#-1658
3	+EPZ	1751		0.5	#-1659
3	+EpPZ	1751		2.4	#-1659
3	+EsPZ	1751		4.0	#-1659
3	+EPcPZ	1751		12.6	#-1659

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
3	+EPZ	1855	18.2	
3	-EPZ	1855	22.2	
3	+EPZ	1855	24.4	
3	-EPZ	2046	40.0	#-1660
3	-EpPZ	2046	41.0	#-1660
3	-IsPZ	2046	42.6	#-1660
3	-EPZ	2116	8.9	#-1661
3	+EpPZ	2116	15.7	#-1661
4	+EPZ	0053	35.8	
4	+EPZ	0053	38.0	
4	-EPZ	0053	49.7	
4	+EPZ	0227	15.0	
4	+IPZ	0227	19.0	
4	+EPcPZ	0247	7.4	#-1662
4	-EpPZ	0247	11.0	#-1662
4	+EsPZ	0247	17.6	#-1662
4	+IPZ	0333	25.0	#-1663
4	-EPcPZ	0333	26.0	#-1663
4	+EpPZ	0333	32.0	#-1663
4	+EsPZ	0333	34.1	#-1663
4	+EPZ	0414	11.0	
4	+EPZ	0509	7.4	
4	-EPZ	0509	11.9	
4	+EXZ	0953	45.3	#-1664
4	+EPcPZ	0953	49.5	#-1664
4	-EpPZ	0953	53.0	#-1664
4	-EPZ	0954	3.0	
4	-EPZ	1018	2.0	
4	+EPZ	1018	3.6	
4	-EPZ	1048	29.8	#-1665
4	+EPcPZ	1048	34.8	#-1665
4	+EpPZ	1048	47.0	#-1665
4	+IXZ	1048	50.6	#-1665
4	-EPZ	1116	3.0	
4	+EPZ	1216	45.0	
4	+EPZ	1216	47.0	
4	-EPZ	1216	53.3	
4	+EPZ	1216	55.8	
4	+EPZ	1223	16.0	
4	+EPZ	1223	20.0	
4	-EPZ	1416	19.0	
4	+EPZ	1416	26.0	
4	+EPZ	1416	30.2	
4	+EPZ	1635	9.4	
4	-EPZ	1635	12.8	
4	+EPZ	2003	24.4	
4	-EPZ	2003	27.6	
4	+EPZ	2003	31.0	
4	+EPZ	2201	8.4	
4	-IPZ	2201	11.1	
4	+EPZ	2201	25.0	#-1666
4	-IpPZ	2201	26.8	#-1666
4	-IpPZ	2201	30.0	#-1666
5	+IPZ	0053	0.4	
5	-IPZ	0053	2.0	
5	-EPZ	0053	6.0	
5	+EPZ	0241	2.6	
5	-EPZ	0241	5.6	
5	-EPZ	0241	9.0	
5	-EPZ	0241	10.4	
5	+EPZ	1030	31.2	#-1667
5	-IpPZ	1030	32.0	#-1667
5	+IsPZ	1030	34.6	#-1667
5	-IPZ	1224	13.0	#-1668
5	+EpPZ	1224	15.2	#-1668
5	-EsPZ	1224	19.4	#-1668
5	+EPZ	1241	9.6	#-1669
5	+EPZ	1318	29.0	
5	+EPZ	1318	32.3	
5	+EPZ	1329	13.2	
5	+IPZ	1329	14.5	
5	+EPZ	1421	46.0	
5	+EPZ	1421	50.3	
5	+EPZ	1723	29.3	
5	-EsPZ	1832	5.0	#-1670
5	-EPKiKPZ	1836	24.9	#-1670

Table 1. Continued.

Date	Phase	Time H	Time M	S	Remarks
5	+EPZ	2024		12.3	
5	+EPZ	2024		14.4	
5	-EPZ	2136		18.7	
5	-EPZ	2347		40.0	
5	-EPZ	2347		41.2	
5	+EPZ	0335		16.4	
5	-EPZ	0335		17.9	
5	-EPZ	0430		16.0	#-1671
5	-EPcPZ	0430		23.5	#-1671
5	+EpPZ	0431		36.0	#-1671
5	-EPKiKPZ	0435		50.0	#-1671
6	+EPZ	0432		30.0	#-1672
6	-EXZ	0437		53.0	#-1672
6	-EPZ	0711		11.6	
6	+EPZ	0711		17.7	
6	+EPZ	0909		6.5	
6	-EPZ	0909		9.0	
6	-EPZ	0923		54.6	
6	-IPZ	0923		57.2	
6	-IPZ	1157		45.0	#-1673
6	-IpPZ	1157		47.4	#-1673
6	-IPcPZ	1157		50.1	#-1673
6	+EPKiKPZ	1203		5.0	#-1673
6	+EpPKiKPZ	1203		7.4	#-1673
6	ESH	1208		3.0	#-1673
6	+EPZ	1216		18.4	
6	+EPZ	1318		2.0	#-1674
6	+EpPZ	1318		4.2	#-1674
6	-EPcPZ	1318		6.2	#-1674
6	-EPZ	1528		37.4	#-1675
6	+EPcPZ	1528		44.6	#-1675
6	+EPZ	1622		17.8	#-1676
6	-IpPnZ	1622		21.0	#-1676
6	+EsPZ	1622		26.8	#-1676
6	-EPZ	1816		20.8	
6	+EPZ	1920		19.0	
6	+EPZ	2004		57.2	
6	+IPZ	2005		0.0	
6	-EPZ	2048		32.0	#-1677
6	+EpPZ	2048		49.5	#-1677
6	+EPZ	2124		5.0	
6	+EPZ	2124		9.4	
6	+EPZ	2150		0.0	
6	+IPZ	2150		1.6	
6	-IPZ	2150		3.0	
6	+EPZ	2326		35.9	
6	+EPZ	2326		37.6	
7	+EPZ	0107		14.8	
7	-EPZ	0107		18.0	
7	-EPZ	0139		26.7	
7	-EPZ	0139		31.6	
7	+EPZ	0224		18.2	
7	+EPZ	0224		22.0	
7	+EPZ	0318		0.8	
7	+EPZ	0318		11.0	
7	+EPZ	0529		23.0	
7	+EPZ	0529		24.7	
7	+EPZ	0538		1.0	#-1678
7	-EXZ	0538		3.2	#-1678
7	+EpPZ	0538		19.6	#-1678
7	+EXZ	0538		27.0	#-1678
7	-EPZ	0843		27.0	#-1679
7	-EXZ	0843		38.4	#-1679
7	+EPZ	0849		45.0	
7	-EPZ	0849		48.0	
7	-EPZ	0900		21.0	
7	-EPZ	0900		25.4	
7	-EPZ	1012		13.9	
7	+EPZ	1012		15.4	
7	+EPZ	1315		12.2	
7	+EPZ	1413		5.1	
7	+EPZ	1413		8.0	
7	+EPZ	1413		16.2	
7	-EPZ	1606		15.0	#-1680
7	+EpPZ	1607		3.0	#-1680
7	+EsPZ	1617		11.6	#-1681

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
7	+EPZ	1908		44.9	#-1682
7	+EPcPZ	1908		46.3	#-1682
7	-EpPZ	1910		45.6	#-1682
7	-EPZ	1924		2.0	
7	+EPZ	1924		40.0	
7	+EPZ	1948		34.0	#-1683
7	-EPcPZ	1948		36.0	#-1683
7	+EPZ	2038		51.0	
7	+EPZ	2038		54.2	
7	+EPZ	2039		3.0	
7	+EPZ	2313		24.5	
7	-EPZ	2313		26.6	
8	+EPcPZ	0019		13.0	#-1684
8	-EPZ	0023		29.0	
8	+EPZ	0023		32.8	
8	+EPZ	0214		40.6	
8	+EPZ	0214		42.0	
8	-EPZ	0326		37.0	
8	-EPZ	0326		40.8	
8	-EPZ	0421		0.4	#-1685
8	-EsPZ	0421		6.1	#-1685
8	-EPcZP	0421		27.8	#-1685
8	+EPZ	0517		47.7	
8	+EPZ	0517		49.5	
8	-EpPZ	0719		36.7	#-1686
8	+EPZ	0906		4.0	
8	+EPZ	0906		7.0	
8	+EPZ	1013		33.4	#-1687
8	-EpPZ	1013		35.8	#-1687
8	-EPnPnZ	1014		38.6	#-1687
8	-EPZ	1127		3.8	
8	-EPZ	1127		9.8	
8	+EPZ	1127		32.0	
8	+EPZ	1127		47.5	
8	+EPZ	1211		32.0	
8	+EPZ	1211		38.0	
8	+EPZ	1211		39.0	
8	+EPZ	1304		30.6	
8	+IPZ	1304		34.9	
8	+EPZ	1630		7.6	
8	-EPZ	1630		9.2	
8	+EPZ	1630		11.2	
8	-EPZ	1657		24.8	#-1688
8	-IPcPZ	1657		26.0	#-1688
8	+IpPZ	1657		39.9	#-1688
8	+EPZ	1818		6.4	
8	-EPZ	1818		11.0	
8	+EPZ	1824		5.2	
8	+EPZ	1919		23.0	
8	-EPZ	1919		31.0	
8	-IPZ	1919		47.0	
8	-EPZ	1928		56.6	
8	-EPZ	1929		3.8	
8	+EPZ	2021		31.6	
8	+EPZ	2229		3.0	
8	-EPZ	2229		6.4	
9	+EPZ	0105		2.4	
9	+EPZ	0105		7.5	
9	+EPZ	0105		17.4	
9	-EPZ	0145		46.0	
9	-EPKPdfZ	0247		33.3	#-1689
9	+EPKiKPZ	0247		36.0	#-1689
9	+EPZ	0401		43.4	
9	+EPZ	0401		48.0	
9	+EPZ	0428		17.0	
9	+EPZ	0434		21.2	
9	-EPZ	0434		28.3	
9	-EPZ	1117		11.4	
9	-IPZ	1117		14.2	
9	-EPZ	1240		5.6	
9	-EPZ	1240		13.2	
9	+EPZ	1424		36.0	
9	+EPZ	1438		6.9	
9	-EPZ	1724		27.6	
9	-EPZ	1825		57.8	
9	-IPZ	1826		2.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
9	+EPZ	1904	12.5	
9	+EPZ	1904	16.0	
9	-EPZ	2001	17.0	
9	-EPZ	2001	19.7	
9	+EPZ	2038	37.6	#-1690
9	-EPcPZ	2038	42.4	#-1690
9	+EPZ	2224	50.7	
10	-EPZ	0043	34.8	
10	+EPZ	0043	36.9	
10	+EPZ	0049	54.3	
10	-EPZ	0052	49.2	
10	+EPZ	0355	51.0	
10	+EPKPdfZ	0402	25.0	#-1691
10	+EPKiKPZ	0402	29.2	#-1691
10	+EpPKPdfZ	0402	29.0	#-1691
10	+EPZ	0659	0.4	
10	+EPZ	0659	18.7	
10	+EPZ	0713	13.0	
10	-EPZ	0807	1.0	
10	+EPZ	0808	2.5	
10	+EPZ	0831	14.2	
10	-EPZ	0831	19.0	
10	-EPZ	1042	58.0	
10	+EPZ	1109	26.7	
10	+EPZ	1153	10.2	#-1692
10	+EpPZ	1153	15.0	#-1692
10	-EPZ	1346	32.0	#-1693
10	+IPcPZ	1346	33.0	#-1693
10	+EpPZ	1346	54.0	#-1693
10	-EsPZ	1347	2.0	#-1693
10	+EPZ	1512	16.0	
10	+EPZ	1745	3.0	
10	+EPZ	1745	6.7	
10	+EPKPdfZ	1847	30.2	#-1694
10	+EpPKPdfZ	1847	39.0	#-1694
10	+EPdiffZ	1902	39.1	#-1695
10	+EPZ	2015	26.7	
10	+EPZ	2055	22.7	
10	+EPZ	2055	34.6	
10	-EPZ	2122	11.2	
10	+EPZ	2219	7.0	
10	-EPZ	2219	18.6	
10	+EPZ	2219	22.4	
10	+EPZ	2252	32.0	
10	+EPZ	2252	37.3	
10	+EXZ	2258	31.3	#-1696
10	+EPZ	2308	21.3	#-1697
10	+EpPZ	2308	32.3	#-1697
10	+EPZ	2318	6.8	
10	-EPZ	2318	9.5	
10	-EPZ	2336	2.2	
10	+EPZ	2345	38.0	
10	-EPZ	2345	44.2	
11	+EPZ	0217	5.8	
11	+IPZ	0500	17.8	#-1698
11	+IPcPZ	0500	29.8	#-1698
11	ESH	0509	31.6	#-1698
11	+EPZ	0941	32.1	
11	+EPZ	0941	34.8	
11	-EPZ	1019	30.0	#-1699
11	+EpPZ	1019	31.1	#-1699
11	+EsPZ	1019	34.9	#-1699
11	-IPcPZ	1019	40.0	#-1699
11	+EPZ	1122	3.0	#-1700
11	-EXZ	1342	38.0	#-1701
11	+EPZ	1443	21.4	#-1702
11	+EPZ	1513	2.6	
11	+EPZ	1513	5.4	
11	+EPZ	1720	18.0	
11	+EPZ	1720	19.6	
11	+EPZ	1827	4.6	#-1703
11	+IPZ	2010	9.6	
11	-IPZ	2111	48.6	#-1704
11	-IPcPZ	2111	50.0	#-1704
12	+EPZ	0141	3.8	#-1705
12	+IPZ	0141	6.0	#-1705

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
12	+EpPZ	0142	38.5	#-1705
12	+EPZ	0404	37.0	
12	-EPZ	0707	29.0	
12	+EPZ	1119	4.0	
12	+EPZ	1119	7.1	
12	+EPZ	1629	6.0	#-1706
12	+EXZ	1630	31.0	#-1707
12	+EPZ	1825	11.5	
12	+EPZ	2011	38.1	
12	+EpPdiffZ	2011	48.6	#-1708
12	+IPZ	2104	37.7	#-1709
12	+EPCPZ	2104	39.0	#-1709
12	-EPPZ	2105	8.0	#-1709
12	+EPZ	2209	10.8	
12	-EPZ	2209	21.3	
13	+EPZ	0046	28.6	
13	+EPZ	0046	30.0	
13	-EPKiKPZ	0049	3.2	#-1710
13	+EPZ	0310	23.9	
13	+EPZ	0310	24.9	
13	+EPZ	0316	10.7	
13	-EPZ	0404	0.2	
13	-EPZ	0404	1.2	
13	-EPZ	0418	22.6	
13	+EPZ	0418	24.0	
13	+EPZ	0525	29.4	
13	+EPZ	0525	34.9	
13	+EPZ	0544	4.2	
13	+EPZ	0607	44.6	#-1711
13	+IpPZ	0607	53.4	#-1711
13	-IXZ	0607	56.6	#-1711
13	-EPZ	0631	31.0	#-1712
13	+EPKPdfZ	0707	3.2	#-1713
13	-EXZ	0707	10.0	#-1713
13	+EXZ	0735	19.2	#-1714
13	-EPZ	0903	17.5	#-1715
13	-EXZ	0903	20.8	#-1715
13	+EPZ	1019	51.0	#-1716
13	+EpPZ	1019	53.6	#-1716
13	-EXZ	1034	19.0	#-1717
13	+EPZ	1147	2.3	
13	+EPZ	1147	10.4	
13	-EPZ	1211	2.0	
13	+EPZ	1211	14.5	
13	+EPZ	1252	9.0	
13	+IPZ	1252	12.0	
13	+EPZ	1323	55.7	#-1718
13	-IPcPZ	1324	2.8	#-1718
13	+IPZ	1346	8.5	
13	-EPZ	1346	17.4	
13	+EPZ	1416	16.0	
13	+EPZ	1444	4.8	
13	+EPZ	1444	8.2	
13	+EPZ	1444	12.0	
13	+EPZ	1512	28.0	
13	+EPZ	1512	33.9	
13	-EPZ	1609	0.4	
13	-IPZ	1609	5.8	
13	+IPZ	1609	8.0	
13	+EPZ	1951	3.9	
13	+EPZ	2004	56.6	
13	+EPZ	2005	1.0	
13	+IPZ	2217	14.0	
13	+EPZ	2217	22.0	
13	+EPZ	2247	5.9	
13	+EPZ	2247	7.8	
13	-EPZ	2247	14.6	
14	-IPZ	0014	48.2	#-1719
14	-IPcPZ	0014	57.4	#-1719
14	+EPZ	0453	57.3	
14	+EPZ	0520	45.0	
14	+EPZ	0520	54.8	
14	+EPZ	0547	3.0	
14	-EPZ	0547	7.0	
14	+EPZ	0601	18.0	
14	+EPZ	0601	20.2	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
14	+EPZ	10	19	7.0	
14	-EPZ	10	19	9.8	
14	+EPZ	11	38	41.0	
14	-EPZ	11	38	54.0	
14	+EPZ	12	28	4.2	
14	+EPZ	13	50	23.0	
14	+EPZ	13	50	26.6	
14	+EPZ	18	49	38.7	#-1720
14	+EPcPZ	18	49	55.3	#-1720
14	+EPZ	22	29	0.8	
14	+EPZ	22	29	2.6	
15	+EPZ	02	15	30.0	
15	+EPZ	03	19	17.4	
15	+IPZ	03	19	20.5	
15	+EPZ	09	41	48.7	
15	+EPZ	17	46	13.0	
15	+EPZ	21	36	32.4	
15	+EPZ	23	30	16.2	
15	+EPZ	23	30	18.7	
16	+EPZ	00	26	5.4	
16	-EPZ	00	26	23.6	
16	-EPZ	01	36	24.0	
16	+EPZ	01	36	39.4	
16	+EPZ	03	25	15.0	
16	+EPZ	03	45	3.8	
16	+EPZ	03	45	6.0	
16	-EPZ	04	09	4.6	
16	+EPZ	04	09	15.4	
16	+EPZ	04	37	7.4	
16	-EPZ	04	37	14.0	
16	-EPZ	05	14	21.4	
16	+IPZ	05	14	25.3	
16	+EPZ	07	07	39.3	
16	+EPZ	07	11	5.2	
16	-EPZ	07	11	11.0	
16	-EPZ	07	11	20.0	
16	+EPZ	08	04	29.2	
16	-EPZ	09	17	6.2	
16	+EPZ	09	54	36.0	
16	+EPZ	10	22	48.7	
16	+EPZ	10	22	52.0	
16	+EPZ	11	18	7.6	
16	+EPZ	11	18	11.0	
16	-EPZ	12	10	30.0	#-1721
16	+EpPZ	12	10	44.5	#-1721
16	+EPZ	13	39	13.0	
16	+IPZ	13	39	18.2	
16	-EPZ	13	39	21.6	
16	+EPZ	13	56	51.7	#-1722
16	+EPcPZ	13	56	56.0	#-1722
16	+EPZ	14	04	4.0	
16	+EPZ	14	04	7.6	
16	-EPZ	14	11	2.0	
16	+EPZ	14	11	8.7	
16	-EPZ	15	05	12.4	
16	-EPZ	15	54	33.0	
16	+EPZ	16	19	32.0	
16	-EPZ	16	19	35.0	
16	+EPZ	17	08	42.0	
16	+EPZ	17	08	44.3	
16	-EPZ	17	51	13.0	
16	-IPZ	18	36	19.8	#-1723
16	-IPcPZ	18	36	21.7	#-1723
16	+EpPZ	18	36	54.4	#-1723
16	+EPZ	19	35	24.4	
16	-EPZ	19	35	31.6	
16	+EPZ	20	01	11.1	
16	+EPZ	20	19	14.8	
16	+EPdiffZ	22	22	16.8	#-1724
16	+EPKiKPZ	22	26	25.8	#-1724
16	+EPZ	23	16	38.0	
16	+IPZ	23	16	41.2	
17	-EPZ	00	19	2.0	
17	+EPZ	02	05	27.2	
17	+EPZ	02	05	38.9	
17	-EPZ	02	49	53.2	#-1725

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
17	+EPcPZ	0249	58.0	#-1725
17	+IpPZ	0251	40.4	#-1725
17	-EPZ	0315	3.0	
17	+EPZ	0315	4.6	
17	-EXZ	0615	50.4	#-1726
17	+IsPZ	0616	5.0	#-1726
17	-EPcPZ	0809	28.0	#-1727
17	+EPZ	0810	40.4	
17	+EPZ	1027	13.0	
17	-EPZ	1202	3.0	
17	+EPZ	1202	6.4	
17	+EPZ	1202	10.0	
17	+EPZ	1213	8.4	
17	+EPZ	1213	10.7	
17	-EPZ	1213	12.0	
17	+EPZ	1339	23.0	
17	+EPZ	1339	29.4	
17	-EPZ	1353	10.0	
17	+EPZ	1500	30.6	
17	-EPZ	1500	40.9	
17	-EPZ	1613	53.2	#-1728
17	+IpPZ	1613	55.4	#-1728
17	+EPPZ	1615	52.0	#-1728
17	+EPZ	1700	25.2	
17	+EPZ	1728	8.0	
17	+EPZ	1912	10.0	
17	+EPZ	1912	16.9	
17	+EPZ	2043	10.4	#-1729
17	+EpPZ	2043	14.9	#-1729
17	+EPnPnZ	2044	36.3	#-1729
17	-EPZ	2117	38.0	
17	-EPZ	2238	28.4	
18	+EPZ	0109	9.0	
18	+EPZ	0116	9.7	
18	-EPZ	0116	19.6	
18	+EPZ	0219	1.0	
18	+EPZ	0219	3.6	
18	+EpPdiffZ	0246	1.4	#-1730
18	-EXZ	0250	6.6	#-1730
18	+EPKiKPZ	0250	19.2	#-1730
18	-EPdiffZ	0539	44.0	#-1731
18	+EpPdiffZ	0539	47.6	#-1731
18	+EPZ	0720	19.0	
18	+EPZ	0833	8.9	
18	+EPZ	0833	16.0	
18	+EPZ	0914	4.0	
18	-EPZ	1028	4.2	
18	+EPZ	1028	11.8	
18	+EPZ	1106	5.2	
18	+EPZ	1106	8.8	
18	-EpPdiffZ	1205	34.0	#-1732
18	+EPZ	1311	51.1	
18	-EPZ	1312	26.0	
18	-EPZ	1416	23.4	
18	-EPZ	1416	36.0	
18	-EPZ	1521	4.2	
18	+EPZ	1521	9.0	
18	+EPZ	1546	50.5	
18	+EPZ	1546	51.4	
18	+EPZ	1547	3.2	
18	+EPZ	1547	9.0	#-1733
18	-EpPZ	1547	20.0	#-1733
18	-EPZ	1608	0.4	
18	-EPZ	1608	8.0	
18	+EPZ	1621	9.0	
18	+EPZ	1621	27.1	
18	-EPZ	1821	33.4	
18	+EPZ	1821	41.0	
18	+EPdiffZ	1822	16.0	#-1734
18	+EPPZ	1827	11.0	
18	-EPKiKPZ	1827	21.0	#-1735
18	+EPZ	1918	10.5	
18	-EPZ	1918	17.0	
18	-EPZ	2305	3.9	
18	+EPZ	2305	6.0	
19	-EPZ	0027	18.3	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
19	+EPZ	0352	13.2	
19	-EPZ	0620	7.4	
19	+EPZ	0620	8.2	
19	+EPZ	0620	11.6	
19	+IPZ	0817	37.7	
19	+EPZ	0817	38.9	
19	-EPcPZ	0839	4.6	#-1736
19	-EpPZ	0839	14.6	#-1736
19	+EPZ	1146	45.2	
19	-EPZ	1146	49.0	
19	-IPZ	1146	53.2	
19	+EXZ	1342	50.0	#-1737
19	+EXZ	1342	55.8	#-1737
19	+EPZ	1423	24.0	
19	-EPZ	1423	28.7	
19	-EPZ	1506	1.5	
19	-EPZ	1506	6.6	
19	+IPZ	1549	47.6	#-1738
19	-IPcPZ	1549	49.6	#-1738
19	-IpPZ	1551	55.0	#-1738
19	-IsPZ	1552	56.7	#-1738
19	-EPZ	1624	12.3	
19	+EPZ	1624	14.6	
19	+EPZ	1624	12.0	
19	+EPZ	1624	14.6	
19	+EPZ	1725	31.2	#-1739
19	+EPcPZ	1725	33.4	#-1739
19	-IPZ	1824	41.4	#-1740
19	-IPZ	1824	44.0	#-1740
19	-IpPZ	1824	46.0	#-1740
19	-EPZ	1913	37.7	
19	+EPZ	2014	46.6	
19	+IPZ	2014	48.4	
19	-EPZ	2117	2.0	
19	+EPZ	2117	6.0	
19	-EPZ	2117	20.7	
19	+EPZ	2147	40.0	
19	+EPZ	2047	45.2	
19	+EPZ	2147	49.6	
19	+EPPZ	2150	20.4	#-1741
19	+IPZ	2324	48.2	
19	-IPZ	2324	54.6	
19	-EPZ	2350	23.2	
19	+EPZ	2350	30.8	
19	+EPZ	2350	40.0	
20	+EPZ	0022	7.0	
20	-EPZ	0124	32.0	#-1742
20	+EPZ	0412	0.0	
20	-EPZ	0412	9.0	
20	+EPZ	0700	33.9	
20	+EPZ	0700	35.7	
20	-EPZ	1244	26.6	
20	+EPZ	1328	12.4	
20	+EPZ	1328	18.5	
20	+EPZ	1721	40.4	
20	+EPZ	1721	43.8	
20	+EPZ	1721	48.0	
20	-EPZ	1728	17.2	
20	+EPZ	1802	6.6	
20	-EPZ	1802	11.0	
20	+EPZ	1810	22.6	
20	-EPZ	1824	2.0	
20	+EPZ	1953	42.1	
20	+EPZ	1953	44.5	
20	-EPZ	1953	46.9	
20	-EPKPdfZ	1953	44.0	#-1743
20	+EPKiKPZ	1956	47.0	#-1743
20	+EPZ	2010	46.0	
20	+EPKPdfZ	2032	30.6	#-1744
20	-EPKPbcZ	2032	37.6	#-1744
20	+EpPKPbcZ	2032	40.0	#-1744
20	+EpPKPbcZ	2041	52.0	#-1745
20	-EpPKiKPZ	2041	53.4	#-1745
20	-EPZ	2144	10.0	
20	+EPZ	2151	3.0	
20	+EPZ	2323	47.3	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
20	-IPZ	23	23	49.4	#-1746
20	-IpPZ	23	23	50.2	#-1746
20	+IsPZ	23	23	54.2	#-1746
20	+IXZ	23	24	15.0	#-1746
21	+EPZ	01	14	33.0	
21	+EXZ	02	24	40.4	
21	+IPcPZ	02	24	43.0	#-1747
21	-IpPZ	02	24	45.1	#-1747
21	+IsPZ	02	24	46.2	#-1747
21	ESH	02	35	44.0	#-1747
21	+EPZ	08	23	19.6	
21	+EPZ	08	23	34.8	
21	+EPZ	09	12	5.0	
21	-EPZ	09	12	6.4	
21	+EPcPZ	09	14	3.2	#-1748
21	+EpPZ	09	14	5.6	#-1748
21	+EPZ	12	15	21.6	
21	+EPZ	12	16	28.2	
21	+EPZ	14	03	22.0	
21	+EPZ	14	03	23.4	
21	+EPZ	14	25	7.6	
21	+EPZ	14	25	10.6	
21	+EPZ	18	42	3.0	
21	+EPZ	18	42	13.4	
22	-EPZ	00	08	11.0	
22	-EPZ	00	08	16.0	
22	+EPZ	05	21	14.0	
22	+EPZ	05	21	15.6	
22	+IPZ	05	21	17.4	
22	+EPZ	06	23	53.0	
22	-EPZ	06	23	54.2	
22	+EPZ	06	24	5.6	
22	+EPZ	09	15	15.8	
22	-EPZ	09	15	18.0	
22	+EPZ	09	15	26.0	
22	+EPZ	11	12	3.5	
22	-EPZ	11	12	6.6	
22	+EPZ	12	03	44.4	
22	-EPZ	12	03	49.0	
22	+EPZ	12	03	50.4	
22	+EPZ	14	42	48.2	#-1749
22	+EPcPZ	14	42	51.0	#-1749
22	-EsPZ	14	42	55.4	#-1749
22	-EPZ	15	41	39.2	
22	+EPZ	15	41	46.0	
22	+EPZ	17	33	28.5	
22	-EPZ	17	33	41.0	
22	-EPZ	17	43	2.0	
22	+EPZ	17	43	3.1	
22	+EXZ	17	52	45.9	#-1750
22	+EPZ	18	38	29.8	#-1751
22	+EPcPZ	18	38	33.0	#-1751
22	+EPZ	18	51	20.4	
22	-EPZ	18	51	26.0	
22	+EPZ	20	11	1.8	
22	+EPZ	20	11	15.3	
22	-EPZ	23	29	6.4	
22	+EPZ	23	29	10.0	
23	+EPZ	00	17	22.0	
23	-EPZ	02	07	57.6	
23	+EPZ	03	56	40.3	
23	+EPZ	03	56	42.3	
23	-EPZ	04	05	1.0	
23	-EPZ	04	57	18.4	
23	-IPcPZ	04	57	25.0	
23	-EPZ	04	57	18.4	#-1752
23	-IPcPZ	04	57	25.0	#-1752
23	-IpPZ	04	57	41.8	#-1752
23	-IsPZ	04	57	52.4	#-1752
23	ESH	05	07	3.0	#-1752
23	+EPZ	08	24	13.6	
23	+EPZ	11	05	29.5	
23	-EPZ	11	05	34.4	
23	+EPZ	13	08	20.0	
23	+EPZ	13	08	24.5	
23	+EPZ	14	45	4.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
23	-EPZ	1445	7.0	
23	+EPZ	1445	12.6	
23	+EpPZ	1510	0.0	#-1753
23	-EsPZ	1510	4.0	#-1753
23	+EPZ	1746	2.6	
23	+EPZ	1746	5.0	
23	+EPZ	1821	17.9	
23	+EPZ	1821	30.0	
23	+EPZ	2103	54.4	
23	-IPZ	2103	56.0	
23	-IPZ	2243	9.6	#-1754
23	-IXZ	2243	14.6	#-1754
23	-IsPZ	2243	21.6	#-1754
23	ESH	2252	0.0	#-1754
23	+EPZ	2311	32.0	
23	+EPZ	2312	14.0	
24	+EPZ	0013	32.9	
24	+EPZ	0158	51.6	
24	-EPZ	0423	2.0	
24	+EPZ	0423	5.4	
24	+EPZ	0411	38.0	
24	+EPZ	0500	45.6	
24	+EPZ	0500	49.2	
24	-EPZ	0501	3.2	
24	+EPZ	0538	8.2	
24	-EPZ	0538	11.2	
24	+EPZ	0601	19.0	
24	-EPZ	0601	28.0	
24	+EPZ	0645	20.0	
24	+EPZ	0645	26.0	
24	+EPKPdfZ	1040	26.7	#-1755
24	+EpPKPdfZ	1040	28.2	#-1755
24	-IpPKPabZ	1040	33.8	#-1755
24	+EPZ	1407	2.4	
24	-EPZ	1415	6.3	
24	-EPZ	1415	10.0	
24	+EPZ	1415	14.8	
24	+EPZ	1750	2.3	
24	+EPZ	1846	33.1	
24	-EPZ	1846	39.0	
24	-EPZ	1915	2.4	
24	+EPZ	1915	6.0	
24	+EPZ	2027	53.0	#-1756
24	-IpPZ	2027	54.4	#-1756
24	-IsPZ	2027	56.9	#-1756
24	ESH	2033	6.8	#-1756
24	+EPZ	2119	10.0	
24	+EPZ	2201	42.0	
24	-EPZ	2201	44.2	
24	-EPZ	2217	7.7	
24	+EPZ	2217	13.7	
24	+EPZ	2309	4.8	
24	+IPZ	2334	6.0	#-1757
24	-IPcPZ	2334	8.0	#-1757
24	-IpPZ	2334	28.0	#-1757
24	ESH	2344	13.4	#-1757
25	-EPZ	0015	45.0	
25	+EPZ	0115	34.5	
25	-IPZ	0148	55.6	#-1758
25	-IpPZ	0149	23.8	#-1758
25	+IsPZ	0149	41.2	#-1758
25	+EPZ	0340	5.0	#-1759
25	-EsPZ	0340	10.0	#-1759
25	-EPZ	0409	18.2	
25	+EPZ	0409	23.0	
25	+EPZ	0454	17.8	
25	-EPZ	0516	2.4	
25	+EPZ	0516	6.5	
25	+EPZ	0622	17.5	
25	-EPZ	0622	19.4	
25	-EPZ	0622	24.0	
25	+EPZ	0642	19.8	
25	-EPZ	0642	26.0	
25	+EPZ	0720	35.6	
25	-EPZ	0720	41.0	
25	+EPZ	0831	2.3	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
25	+EPZ	0831	10.3	
25	-EPZ	0847	13.0	
25	+EPZ	0847	19.4	
25	+EPZ	1025	6.0	
25	+EPZ	1209	53.4	#-1760
25	+EPcPZ	1209	55.0	#-1760
25	+EPZ	1226	1.2	
25	+EPZ	1429	2.4	
25	-EPZ	1443	52.9	#-1761
25	+IPcPZ	1443	55.4	#-1761
25	+IpPZ	1444	10.0	#-1761
25	-IsPZ	1444	18.0	#-1761
25	+EPZ	1514	11.0	
25	-EPZ	1514	18.0	
25	-EPZ	1641	8.9	
25	+EPZ	1719	5.7	
25	-EPZ	1719	16.0	
25	+EPZ	1742	17.0	
25	+EPZ	2008	0.6	
25	-EPZ	2008	7.0	
25	+EPZ	2144	43.0	
26	-EPZ	0039	29.6	
26	+EPZ	0606	5.8	
26	+EPZ	0606	7.5	
26	-EPZ	0708	2.6	
26	+EPZ	0719	26.0	
26	+EPZ	0804	3.6	
26	-EPZ	0943	23.0	#-1762
26	-EPcPZ	0943	24.6	#-1762
26	+EpPZ	0943	26.5	#-1762
26	+EsPZ	0943	30.1	#-1762
26	+EPZ	1112	26.0	
26	+EPZ	1112	29.0	
26	-EPZ	1223	4.6	#-1763
26	+EPcPZ	1223	7.8	#-1763
26	+EpPZ	1224	52.6	#-1763
26	+EPZ	1226	55.6	#-1764
26	-EPcPZ	1227	5.0	#-1764
26	+EPZ	1313	42.6	
26	+EPZ	1315	7.8	
26	+EPZ	1705	10.0	
26	-EPZ	1705	15.6	
26	-EPZ	1705	18.0	
26	-EPZ	1836	12.6	
26	+EPZ	1836	14.0	
26	+IPZ	183	19.1	
26	-EPZ	2022	42.3	
26	+EPZ	2022	47.4	
26	-EPZ	2217	20.6	
26	+EPZ	2317	13.2	
26	+EPZ	2317	17.7	
27	+EPZ	0254	15.8	
27	+EPZ	0312	6.7	
27	+EXZ	0508	6.0	#-1765
27	+EPKiKPZ	0508	12.6	#-1765
27	+EXZ	0508	27.4	#-1765
27	+EPZ	0710	12.0	
27	-EPZ	0710	26.1	
27	-EPZ	1015	38.6	
27	+EPZ	1015	44.4	
27	+EPZ	1110	36.4	
27	+EPZ	1110	39.7	
27	+EPZ	1123	29.0	
27	+EPZ	1123	32.0	
27	-EPZ	1303	29.0	
27	+IPZ	1303	33.6	
27	+EPZ	1508	9.0	
27	+EPZ	1619	25.0	
27	+EPZ	1619	29.7	
27	+EPZ	1644	18.4	#-1766
27	-EPcPZ	1644	21.0	#-1766
27	+EPZ	1705	37.0	
27	+EPZ	1705	38.1	
27	+EPZ	1705	43.0	
27	+EPcPZ	1834	3.7	#-1767
27	+EPZ	2202	41.3	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
27	-EPZ	22	02	43.3	
27	-IPZ	23	24	11.2	#-1768
27	-IPcPZ	23	24	13.7	#-1768
27	-IpPZ	23	24	41.0	#-1768
27	ESH	23	34	25.4	#-1768
28	+EPZ	01	19	40.0	
28	+EPZ	01	19	41.8	
28	+EPZ	02	41	5.2	
28	+EPZ	03	37	59.6	
28	+IPZ	05	44	20.8	
28	+EPZ	05	44	25.0	
28	-EPZ	06	10	28.3	
28	+EPZ	06	10	30.4	
28	+EPZ	06	35	17.5	#-1769
28	-IXZ	06	35	20.4	#-1769
28	-IXZ	06	35	52.9	#-1769
28	ESH	06	45	21.2	#-1769
28	+EPZ	07	53	19.6	
28	+EPZ	08	05	21.6	
28	+EPZ	08	05	32.4	
28	-EPZ	08	42	7.2	
28	-EPZ	08	42	11.6	
28	-EPZ	09	16	12.6	
28	+EPZ	11	16	16.1	
28	+EPZ	11	16	18.0	
28	+EPZ	12	10	1.2	
28	-EPZ	16	06	5.6	
28	+EPZ	18	33	16.2	
28	-EPZ	18	33	19.2	
28	+EPZ	18	47	5.0	
28	+IXZ	19	33	23.2	#-1770
28	+EPKiKPZ	19	33	26.2	#-1770
28	+EPZ	19	47	18.0	
28	-EPZ	23	15	37.4	
28	+EPZ	23	15	41.0	
28	+EPZ	00	45	5.9	
29	+EPZ	01	02	5.4	
29	-EPZ	01	02	7.7	
29	+EPZ	03	23	26.5	
29	-EPZ	03	23	32.1	
29	-EPZ	03	30	11.9	
29	+EPZ	03	31	3.4	
29	+EPPZ	04	03	35.0	#-1771
29	+EPZ	04	23	5.3	
29	+EPZ	04	23	7.7	
29	-EPZ	07	22	19.0	
29	-EPZ	07	47	12.6	
29	+EPZ	07	47	17.7	
29	+EPZ	07	47	19.7	
29	-EPZ	08	06	23.3	
29	+EPZ	08	06	26.5	
29	+EPZ	09	25	2.0	
29	+EPZ	09	25	5.6	
29	+EPZ	10	04	3.4	
29	-EPZ	10	04	14.6	
29	+IPZ	11	42	6.0	
29	+EPZ	11	42	11.4	
29	+EPZ	12	11	20.6	
29	+EPZ	12	33	39.0	
29	+EXZ	12	38	26.3	#-1772
29	+EPZ	13	05	11.6	
29	+EPZ	13	05	15.0	
29	-EPZ	13	27	14.0	#-1773
29	+EXZ	13	27	25.4	#-1773
29	-EXZ	13	27	31.2	#-1773
29	+EPZ	16	15	5.0	
29	+EPZ	16	15	16.1	
29	+EPZ	16	46	27.0	
29	-EPZ	16	46	29.2	
29	+EPZ	17	15	2.6	
29	-EPZ	17	15	6.8	
29	-EPZ	19	07	8.5	
29	-EPZ	20	06	7.0	
29	-EPZ	20	06	13.0	
29	+EPZ	21	23	45.0	#-1774
29	-EpPZ	21	23	49.3	#-1774

Table 1. Continued.

Date	Phase	Time H	Time M	S	Remarks
29	+EPPZ	21	25	8.0	#-1774
29	-EPZ	23	07	17.4	
29	+EPZ	23	07	20.3	
30	-EPZ	00	22	3.4	
30	-EPZ	01	16	43.0	
30	+EPZ	04	11	16.4	
30	+EPZ	04	11	20.2	
30	+EXZ	07	22	31.7	#-1775
30	+EPZ	08	06	1.0	
30	-EPZ	08	06	7.0	
30	+EPZ	10	17	5.4	
30	+EPZ	10	21	17.0	
30	+EPZ	11	07	6.0	
30	+EPZ	11	07	13.0	
30	+EPZ	15	23	19.0	
30	-EPZ	15	23	25.1	
30	+EPPZ	15	50	25.8	#-1776
30	+EPZ	20	13	8.8	
30	-EPZ	20	13	18.6	
30	+EPZ	20	13	29.0	
30	-EPZ	20	23	3.0	
30	-EPZ	20	23	6.6	
30	+IPZ	23	17	10.4	
31	-EPZ	01	27	15.4	
31	-EPKPdfZ	03	27	3.4	#-1777
31	+EpPKPdfZ	03	27	8.2	#-1777
31	+IPZ	03	30	40.4	#-1778
31	+EPcPZ	03	30	42.6	#-1778
31	+EpPZ	03	31	14.6	#-1778
31	+IpPZ	04	21	1.6	#-1779
31	+IsPZ	04	21	4.7	#-1779
31	+EXZ	04	22	25.3	#-1779
31	+IPZ	05	04	13.6	
31	+EPZ	05	06	20.2	
31	-IPZ	05	06	23.2	
31	+EPZ	10	04	10.6	
31	+EPKiKPZ	10	20	6.8	#-1780
31	+EPZ	10	31	40.1	
31	+EPZ	10	31	46.8	
31	+EPZ	13	16	13.5	
31	+EPZ	13	16	34.6	
31	+IPZ	14	50	32.4	
31	-IPZ	14	50	43.6	
31	+EPZ	16	23	48.6	#-1781
31	+EpPZ	16	23	50.2	#-1781
31	+EPPZ	16	25	34.4	#-1781
31	+EPZ	17	32	4.6	
31	+EPZ	17	32	7.0	
31	+EPZ	18	03	6.0	
31	+EPZ	18	07	27.4	#-1782
31	-EPcPZ	18	07	30.0	#-1782
31	-EsPZ	18	12	56.4	#-1783
31	-IXZ	18	13	12.0	#-1783
31	-IPcPZ	19	04	36.4	#-1784
31	-IPZ	19	15	31.5	
31	+EPZ	19	15	37.9	
31	+EPZ	20	44	4.8	
31	+IPZ	20	44	9.2	
31	+IPZ	23	59	0.4	
31	-EPZ	23	59	4.0	
Sep. 1	+EPZ	01	02	0.2	
1	-EPZ	01	02	3.0	
1	-EPZ	01	15	14.0	
1	+EPZ	01	40	7.4	
1	-EPZ	01	52	30.0	
1	+EPZ	01	52	40.8	
1	-EPZ	01	52	45.2	
1	+EPZ	02	50	42.5	
1	+EPZ	02	50	51.4	
1	+EPdiffZ	03	03	51.3	
1	+EPZ	04	04	20.1	
1	+EPZ	04	04	34.6	
1	+EPZ	04	04	38.4	
1	+EPZ	04	22	5.0	
1	+EPZ	04	22	10.0	
1	+EPZ	04	36	39.0	#-1785

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
1	-EpPZ	0436	43.3	#-1785
1	-EsPZ	0436	44.0	#-1785
1	+EPZ	0607	1.4	
1	-EPZ	0634	5.9	
1	-EPZ	0634	8.0	
1	-EPZ	0728	56.3	
1	+EPZ	0729	5.5	
1	+EPZ	0744	17.5	
1	+EPZ	0913	27.2	
1	+EPZ	1029	2.0	
1	+EPZ	1029	5.6	
1	-EPZ	1103	13.0	
1	-EPZ	1117	29.4	
1	-EPZ	1134	24.0	
1	-EPZ	1141	36.1	
1	+EPdiffZ	1157	53.0	#-1786
1	-IPKPdfZ	1200	37.0	#-1786
1	+EPZ	1206	1.8	
1	+EPZ	1223	53.4	
1	-EXZ	1224	0.8	#-1787
1	+EPcPZ	1224	3.0	#-1787
1	-EPZ	1312	1.2	
1	+EPZ	1312	8.4	
1	+EPZ	1324	3.0	
1	-EPZ	1324	5.2	
1	-EPZ	1350	21.0	
1	+EPZ	1350	22.3	
1	+EPZ	1449	14.8	
1	-EPZ	1449	23.2	
1	+EPZ	1520	8.0	
1	-EPZ	1551	41.1	
1	+EPZ	1618	1.3	
1	+EPZ	1618	5.5	
1	+EPZ	1906	47.0	#-1788
1	+EPcPZ	1906	57.6	#-1788
1	+EPZ	1910	3.2	#-1789
1	+EpPZ	1910	10.0	#-1789
1	-IsPZ	1910	13.0	#-1789
1	+EPcPZ	1910	19.0	#-1789
1	-EPZ	2023	25.0	
1	-EPZ	2219	13.0	#-1790
1	+EsPZ	2219	19.0	#-1790
1	-EPZ	2251	0.1	
1	+EPZ	2251	6.8	
1	+EPZ	2307	46.4	#-1791
1	-EPcPZ	2307	48.3	#-1791
1	-EsPZ	2308	7.4	#-1791
1	+EPZ	2314	14.8	
1	+EPZ	2317	40.3	
1	+EPZ	2317	43.0	
2	+EPZ	0215	1.1	
2	-EPZ	0224	6.0	
2	-EPZ	0302	13.4	
2	+EPZ	0308	22.4	
2	-EPZ	0342	18.9	
2	-EPZ	0647	20.0	
2	+EPZ	0647	30.9	
2	-EPZ	0703	43.0	
2	+EPZ	0703	44.6	
2	-EPZ	0740	1.0	
2	+EPZ	0740	2.2	
2	+EPZ	1401	28.5	
2	-EPZ	1401	31.0	
2	+EPZ	1421	18.8	
2	+EPZ	1433	29.4	#-1792
2	-EpPZ	1433	35.1	#-1792
3	+EPZ	0736	36.2	#-1793
3	+EsPZ	0736	41.0	#-1793
3	+EPZ	0740	42.2	
3	+EPZ	0740	49.6	
3	-EPZ	0741	2.2	
3	+EPZ	0756	43.3	#-1794
3	+EpPZ	0756	45.0	#-1794
3	-EPZ	0826	39.6	#-1795
3	+EsPZ	0826	44.4	#-1795
3	-EPZ	0907	19.4	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
3	+EPZ	0907	32.3	
3	+IPZ	1014	1.6	
3	-EPZ	1014	13.8	
3	-EPZ	1023	47.4	
3	+EPZ	1113	50.4	
3	+EPZ	1113	54.2	
3	-EPZ	1123	41.6	
3	-EPZ	1147	54.0	#-1796
3	+EPPZ	1151	36.6	#-1796
3	+EPZ	1224	27.6	
3	+EPZ	1224	30.5	
3	+EPZ	1254	2.0	
3	+EPZ	1254	4.4	
3	+EPZ	1301	1.2	
3	-EXZ	1309	33.2	#-1797
3	+EPZ	1318	44.4	
3	-EPZ	1319	0.2	
3	+EPZ	1336	35.0	
3	-EpPKiKPZ	1402	17.2	#-1798
3	+EPZ	1444	43.8	
3	-EPZ	1444	47.5	
3	+EPZ	1523	2.4	
3	-EPZ	1523	4.0	
3	-EpPZ	1528	1.5	#-1799
3	+EPZ	1532	49.4	
3	+EPZ	1539	42.4	
3	+EPZ	1539	44.0	
3	+EPZ	1612	5.0	
3	+EPZ	1723	2.0	
3	-EPZ	1802	22.4	
3	-EPZ	1925	42.1	
3	-IPZ	1925	46.6	
3	+IPZ	1925	50.3	
3	+EPZ	1938	18.4	
3	-EPZ	2028	1.6	
3	+EPZ	2028	16.6	
3	+EpPZ	2040	47.0	#-1800
3	+EPPZ	2043	54.0	#-1800
3	+EPZ	2046	21.1	#-1801
3	-IpPZ	2046	25.0	#-1801
3	-IsPZ	2046	27.2	#-1801
3	+IPPZ	2049	29.0	#-1801
3	+EPZ	2311	35.0	
3	-EPZ	2311	43.2	
3	-EPZ	2349	12.8	
3	+EPdiffZ	2349	19.4	#-1802
3	+EpPdiffZ	2349	23.0	#-1802
4	+EPZ	0004	7.0	
4	-EPZ	0004	9.0	
4	-EPZ	0024	9.4	
4	+EPZ	0024	16.3	
4	+EPZ	0038	23.6	
4	+EPZ	0038	31.4	
4	+EPZ	0250	4.6	
4	+EPZ	0250	8.7	
4	-EPZ	0346	39.0	
4	+EPZ	0346	40.4	
4	+EPZ	0418	15.6	#-1803
4	+EpPZ	0418	18.2	#-1803
4	+EPZ	0418	15.5	
4	-EPZ	0449	21.0	
4	+EPZ	0509	5.7	
4	-IPZ	0546	28.4	#-1804
4	-IPcPZ	0546	31.0	#-1804
4	-IpPZ	0546	39.0	#-1804
4	+EPZ	0602	30.0	
4	+EPZ	0602	32.1	
4	+EPZ	0811	34.5	
4	-EPZ	0923	7.7	
4	-EPZ	0938	45.0	#-1805
4	+EPcPZ	0938	55.0	#-1805
4	+EPZ	0939	10.4	
4	+EPZ	1007	10.5	
4	+EPZ	1007	29.4	
4	+EPZ	1103	24.0	
4	-EPZ	1103	41.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
4	+EPZ	1111	4.0	
4	+EPZ	1111	9.2	
4	+EPZ	1111	12.6	
4	+EPZ	1215	4.6	
4	+EPZ	1215	6.7	
4	+EPZ	1254	4.0	
4	-EPZ	1254	9.0	
4	+EPZ	1415	2.4	
4	+EPZ	1415	5.0	
4	-EPZ	1415	15.2	
4	+EPcPZ	1553	16.2	#-1806
4	+EPZ	1605	6.5	
4	+EPZ	1620	31.0	
4	+EPZ	1620	35.1	
4	+EPZ	1715	7.0	
4	+EPZ	1715	18.2	
4	+EPZ	1735	36.7	
4	+EpPZ	1735	40.9	#-1807
4	-EPZ	1754	2.0	
4	+IPZ	1754	6.5	
4	+EPZ	1826	28.2	
4	+EPZ	1912	27.3	
4	+EPZ	1912	29.9	
4	+EPZ	2043	11.1	
4	+EPZ	2043	27.2	
4	+EPdiffZ	2114	8.0	#-1808
4	+EpPdiffZ	2114	19.6	#-1808
4	+EXZ	2114	31.4	#-1808
4	+EPZ	2221	15.6	
4	+EPZ	2221	18.6	
5	+EPZ	0004	2.0	
5	+EPZ	0012	17.8	
5	-EPZ	0012	20.1	
5	+EPZ	0019	4.0	
5	+EPZ	0031	1.6	
5	+EPZ	0040	1.6	
5	+EPZ	0040	6.3	
5	+EPZ	0107	12.7	
5	-EPdiffZ	0136	16.0	#-1809
5	+EpPdiffZ	0136	19.0	#-1809
5	+EsPdiffZ	0136	22.4	#-1809
5	+EPZ	0228	2.0	
5	+EPZ	0228	10.7	
5	-EPZ	0242	1.0	
5	+EPZ	0242	4.6	
5	-EPZ	0306	0.4	
5	+EPZ	0306	3.5	
5	+EPZ	0324	10.0	
5	+EPZ	0324	13.7	
5	+EPZ	0346	3.4	
5	+EPZ	0436	0.2	
5	+EPZ	0436	1.9	
5	+EPZ	0545	36.2	
5	+EPZ	0602	2.2	
5	+EPZ	0602	3.3	
5	+EPZ	0614	10.0	
5	+EPZ	0614	18.4	
5	-EPZ	0642	50.4	#-1810
5	-EPcPZ	0642	51.0	#-1810
5	+EPdiffZ	0736	21.4	
5	-EpPdiffZ	0736	42.0	
5	-EPZ	0803	29.0	
5	+EPZ	0809	56.3	
5	+EPZ	0913	41.8	#-1811
5	+EpPZ	0913	46.2	#-1811
5	+EPZ	0914	28.0	
5	-EPZ	0931	46.0	#-1812
5	-EpPZ	0931	48.0	#-1812
5	+EPZ	1002	23.4	
5	+EPZ	1008	1.0	
5	-IPZ	1101	41.0	#-1813
5	-EsPZ	1101	51.0	#-1813
5	+EPZ	1107	4.1	
5	-EPZ	1126	7.0	
5	+EPZ	1126	13.0	
5	-EPZ	1211	31.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
5	+EPZ	1224	7.0	
5	-EPZ	1224	8.4	
5	+EPZ	1309	27.0	
5	+EPZ	1309	39.7	
5	+EPZ	1438	22.7	
5	-EPZ	1438	24.1	
5	-EPZ	1452	23.8	
5	+EPZ	1452	29.5	
5	-EPZ	1528	12.4	
5	+EPZ	1551	15.9	
5	+EPZ	1558	24.0	
5	-EPZ	1648	1.0	
5	-EPZ	1719	42.8	
5	-EPZ	1719	50.0	
5	+EPZ	1853	22.4	#-1814
5	+EPZ	1907	21.7	#-1815
5	-EPZ	1948	51.6	#-1815
5	-EpPZ	1948	55.2	#-1815
5	-IsPZ	1948	58.0	
5	+EPZ	1953	5.0	
5	+EPZ	2010	28.0	
5	+EPZ	2010	29.2	
5	+EPZ	2042	38.4	#-1816
5	-EpPZ	2042	40.6	#-1816
5	+EsPZ	2042	43.0	#-1816
5	+EPZ	2054	2.0	
5	-IPZ	2100	2.0	#-1817
5	+EpPZ	2100	7.2	#-1817
5	+EPZ	2134	5.3	
5	-EPZ	214	21.4	
5	+EPZ	2135	3.0	
5	-EPZ	2137	0.4	#-1818
5	-EpPZ	2137	4.6	#-1818
5	-EPZ	2315	16.0	
5	-EPZ	2325	4.0	
6	+EPZ	0048	47.0	#-1819
6	-IpPZ	0048	48.0	#-1819
6	+EPZ	0214	13.0	
6	+EPZ	0440	30.0	
6	+IPZ	0610	21.0	#-1820
6	-EpPZ	0610	23.0	#-1820
6	-EPnPnZ	0611	26.0	#-1820
6	-EPZ	0650	25.0	
6	+IPZ	0705	34.0	#-1821
6	+IPcPZ	0705	38.0	#-1821
6	-IPPZ	0708	44.0	#-1821
6	-EPZ	0716	30.0	#-1822
6	-EPZ	0800	54.6	#-1823
6	+EpPZ	0800	56.4	#-1823
6	-EPPZ	0804	2.8	#-1823
6	-EXZ	0841	4.0	#-1824
6	+EPZ	0849	45.0	
6	+EPZ	0849	47.4	
6	-EXZ	0840	3.0	#-1825
6	+EXZ	0850	15.6	#-1825
6	+EPZ	1002	19.6	
6	+EPZ	1002	23.0	
6	+EPZ	1110	18.0	
6	+EPZ	1140	15.2	
6	-EPZ	1220	24.8	
6	+EPZ	1236	21.6	
6	+EPZ	1236	24.2	
6	-EpPZ	1303	35.0	#-1826
6	-EPPZ	1306	39.6	#-1826
6	+EPZ	1437	35.0	
6	-EPZ	1437	38.0	
6	+EPZ	1437	49.6	
6	+EPZ	1516	6.8	
6	+EPZ	1542	3.4	
6	+EPZ	1542	12.4	
6	+EPZ	2134	5.3	
6	-EPZ	2134	21.4	
6	+EPZ	2135	3.0	
6	-EPZ	2137	0.4	
6	-EpPZ	2137	4.6	
7	+IPZ	0020	56.7	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
7	+EPZ	0021	2.2	
7	-EPZ	0021	3.6	
7	+EPZ	0217	3.8	
7	+IPZ	0447	24.6	
7	+EPZ	0537	7.0	#-1827
7	-EsPZ	0537	13.8	#-1827
7	-EPcPZ	0550	50.2	#-1828
7	+EPZ	0627	6.0	#-1829
7	+EPcPZ	0627	15.3	#-1829
7	+EPZ	0628	32.0	
7	+EPZ	0645	9.5	
7	+EXZ	0724	46.0	#-1830
7	-EPKPdfZ	0727	26.0	#-1830
7	-EPZ	0805	3.8	
7	-EPZ	0913	2.2	
7	+EPZ	1001	17.4	
7	+EPZ	1038	8.0	
7	+EpPZ	1159	54.6	#-1831
7	-EPZ	1205	11.0	
7	+EPZ	1205	23.2	
7	+EPZ	1305	31.7	
7	+EPZ	1513	32.9	
7	+EPZ	1513	38.4	
7	-EPZ	1609	1.4	#-1832
7	-EpPZ	1609	15.0	#-1832
7	-EPZ	1739	15.8	
7	+EPZ	2023	41.2	
7	+EPZ	2023	50.0	
7	+EPZ	2216	47.1	
7	-EPZ	2345	57.4	
8	+EXZ	0419	40.0	
8	+EPcPZ	0419	47.0	
8	-EPZ	0518	1.0	
8	+EPZ	0518	11.0	
8	+EPZ	0618	33.2	
8	+EPZ	0814	44.8	
8	-EPZ	0814	48.4	
8	-EPZ	1013	1.0	
8	+EPZ	1013	3.4	
8	+EPZ	1209	31.8	
8	+EPZ	1524	34.0	
8	+EPZ	1533	20.0	
8	-IPZ	1533	22.8	
8	-IPZ	1805	54.4	#-1833
8	+EPcPZ	1805	57.0	#-1833
8	+EPZ	1824	34.9	#-1834
8	+EpPZ	1824	38.0	#-1834
8	-EPZ	1841	41.2	
8	+EPZ	1841	44.2	
8	+EPZ	2019	4.8	
8	+EPZ	2019	10.2	
8	-EXZ	2148	44.6	#-1835
8	+EPcPZ	2148	47.0	#-1835
9	-EPZ	0029	10.0	
9	-EPZ	0039	30.4	
9	+EsPZ	0039	39.0	
9	+EPZ	0124	31.1	
9	+EPZ	0124	40.8	
9	-EPZ	0212	51.4	
9	+EPZ	0212	55.4	
9	+EPZ	0314	4.6	
9	-EPZ	0314	14.4	
9	+EPZ	0321	35.6	
9	-EPZ	0326	17.0	
9	+EPZ	0339	2.0	
9	+EPZ	0709	7.0	
9	-EPZ	0718	38.4	
9	-EPZ	0925	11.9	
9	-EPZ	0942	4.0	#-1836
9	+EsPdiffZ	0942	9.0	#-1836
9	+EPZ	1023	19.6	
9	-EPZ	1107	7.6	
9	+EPZ	1126	21.6	
9	-EPZ	1126	32.4	
9	+EPZ	1220	0.0	
9	-EPZ	1220	10.1	

Table 1. Continued.

Date	Phase	Time H	Time M	S	Remarks
9	+EPZ	1611		29.4	
9	-EPZ	1611		37.0	
9	+EPZ	1823		25.0	#-1837
9	+EpPZ	1823		27.6	#-1837
9	-EsPZ	1823		32.6	#-1837
9	+EPZ	2024		31.0	
9	+EPZ	2024		35.0	
9	+EPZ	2151		45.0	
9	-EPZ	2151		49.6	
9	+EPZ	2323		22.2	
10	+EPZ	0043		37.6	
10	+EPZ	0043		40.1	
10	+EPZ	0053		4.4	
10	+EPZ	0218		22.4	
10	+EPZ	0230		53.8	
10	-EPZ	0230		54.8	
10	-IPZ	0258		54.6	#-1838
10	+IPcPZ	0258		56.4	#-1838
10	+IpPZ	0259		2.7	#-1838
10	ESH	0309		35.0	#-1838
10	-EPZ	0404		29.0	
10	+EPZ	0404		32.4	
10	+EPZ	0436		8.4	#-1839
10	+IpPZ	0436		14.0	#-1839
10	-EsPZ	0436		17.0	#-1839
10	+IPZ	0529		39.9	#-1840
10	-IPcPZ	0529		42.0	#-1840
10	-IpPZ	0529		50.0	#-1840
10	+IPZ	0530		0.4	
10	+IPZ	0532		9.0	#-1841
10	-EsPZ	0532		27.4	#-1841
10	-EPZ	0602		31.0	
10	+EPZ	0612		34.9	#-1842
10	+EPZ	0613		7.4	
10	+EPZ	0613		15.6	
10	+EPZ	0714		55.0	
10	-EPZ	0715		1.0	
10	+EXZ	0743		34.4	#-1843
10	+EXZ	0743		36.6	#-1843
10	+EPKiKPZ	0748		37.0	#-1843
10	+EpPKiKPZ	0748		50.8	#-1843
10	+EPZ	0908		52.4	
10	+EPZ	0916		42.9	
10	-EPZ	0916		53.6	#-1844
10	+EXZ	0921		30.3	#-1844
10	-EPZ	0945		47.0	#-1845
10	+IPcPZ	0945		49.0	#-1845
10	-EspZ	0945		54.4	#-1845
10	+EPZ	1009		36.4	
10	-EPZ	1009		37.0	
10	+EPZ	1029		15.0	
10	-EPZ	1029		16.4	
10	-EPZ	1205		54.4	#-1846
10	+EpPZ	1206		7.0	#-1846
10	+EPZ	1218		31.3	
10	-EPZ	1301		7.7	
10	+EPZ	1301		16.0	
10	+EPZ	1413		22.0	#-1847
10	+EsPZ	1413		33.2	#-1847
10	+EPZ	1504		6.8	
10	-EPZ	1513		9.4	
10	-EPZ	1516		45.3	
10	-EPZ	1615		22.6	
10	-EPZ	1615		25.7	
10	-IPZ	1643		23.0	#-1848
10	+IPcPZ	1643		28.0	#-1848
10	+EpPZ	1645		18.3	#-1848
10	+EXZ	1652		49.0	#-1848
10	ESH	1652		50.1	#-1848
10	+EPZ	1728		30.7	
10	+EPZ	1728		35.8	
10	+EpPZ	1758		32.4	#-1849
10	+EsPZ	1758		35.1	#-1849
10	+EXZ	1847		33.2	#-1850
10	+IXZ	1847		42.4	#-1850
10	-IPKiKPZ	1847		45.1	#-1850

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
10	+EPZ	1918	6.0	
10	-EPZ	1918	12.4	
10	+EPZ	1918	23.4	
10	-EPZ	2011	46.8	
10	-EPZ	2026	3.2	
10	+EPZ	2011	8.2	
10	+EPZ	2104	56.0	
10	-IPZ	2105	4.0	
10	+IPZ	2105	6.7	
10	+EPZ	2227	56.3	
10	+EPZ	2248	2.4	
10	+EPZ	2248	6.2	
10	-IPZ	2248	9.0	
11	+IPZ	0006	38.7	
11	-EPZ	0006	44.8	
11	-EPZ	0020	34.0	
11	+EPZ	0020	46.0	
11	+EPZ	0025	21.5	
11	+EPZ	0042	44.0	
11	+EPZ	0042	54.3	#-1851
11	+EPZ	0133	21.8	
11	+EPZ	0158	28.7	
11	+EPZ	0242	2.2	
11	-EPZ	0254	3.0	
11	+EPZ	0401	48.7	
11	+EPZ	0401	50.3	
11	+EPZ	0415	1.0	
11	+IPZ	0444	47.0	#-1852
11	+EpPZ	0444	52.6	#-1852
11	-EPZ	0516	52.8	
11	-EPZ	0517	0.4	
11	+EPZ	0538	40.1	
11	+EPZ	0553	4.2	
11	+EPZ	0715	11.7	#-1853
11	+EPZ	0740	36.2	
11	+EPKPdfZ	0748	24.0	#-1854
11	+EPZ	0805	0.6	
11	+EPZ	0809	1.3	
11	+EPZ	0809	9.7	
11	+IPZ	0833	5.0	
11	+EPZ	0833	12.4	
11	+EPZ	0853	2.3	
11	+EPZ	0853	10.5	
11	+EPZ	0914	40.0	
11	+IPZ	0934	2.4	
11	+EPZ	0950	0.9	
11	+EPZ	1015	4.5	
11	+EPZ	1054	3.4	
11	+EPZ	1054	6.4	
11	+EPZ	1305	17.4	
11	+EPZ	1319	27.8	
11	+EPZ	1528	9.1	
11	+EPZ	1621	29.1	
11	+IPZ	1621	32.4	
11	+IPZ	1710	41.3	
11	-IPZ	1710	43.0	
11	+EPZ	1724	9.3	
11	-EPZ	1825	43.0	
11	-EPZ	2012	0.1	
11	+EPZ	2012	10.9	
11	+EPZ	2035	50.6	
12	-EPZ	0008	46.4	
12	+EPZ	0009	1.0	
12	-EPZ	0026	52.6	#-1855
12	+EPZ	0027	30.2	
12	-EPZ	0027	40.2	
12	+ESKSacZ	0037	23.5	#-1855
12	+EPZ	0143	15.0	
12	+EPZ	0143	18.6	
12	-EPZ	0236	2.8	#-1856
12	+IPcPZ	0236	3.4	#-1856
12	+EpPZ	0236	15.4	#-1856
12	-EpPZ	0326	37.9	#-1857
12	-EPZ	0416	39.3	#-1858
12	-EPcPZ	0416	40.3	#-1858
12	+EPZ	0509	5.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
12	+EPZ	0509	10.3	
12	+EPZ	0513	9.4	
12	+EPZ	0623	8.8	
12	-EPZ	0623	10.4	
12	-EPZ	0632	0.0	
12	+EPZ	0641	7.6	
12	+EPZ	0650	39.0	
12	+EPZ	0704	28.4	
12	+EPZ	0746	28.6	#-1859
12	+EPcPZ	0746	31.6	#-1859
12	+EXZ	0802	32.0	#-1860
12	+EPZ	0804	52.2	
12	-EPZ	0804	53.4	
12	+EPZ	0809	53.1	#-1861
12	+EPZ	0818	3.0	
12	-EPZ	0836	29.4	
12	-EPZ	0836	33.2	
12	+EPZ	0903	3.0	
12	-EPZ	0903	8.4	
12	-EPZ	0913	1.0	
12	+EPZ	0923	5.7	
12	+EPZ	0938	19.6	#-1862
12	+EPcPZ	0938	23.1	#-1862
12	+EpPZ	0938	39.0	#-1862
12	+EPZ	1006	26.0	
12	+EPZ	1015	53.0	
12	-EPZ	1025	4.0	
12	+EPZ	1025	17.0	
12	+EPZ	1037	22.0	
12	+EPZ	1207	4.0	
12	+EPZ	1228	21.1	
12	-EPZ	1244	46.4	
12	+EPZ	1250	5.4	
12	+EsPZ	1319	25.0	#-1863
12	+EPPZ	1322	28.1	#-1863
12	+EPZ	1554	29.1	#-1864
12	-EPcPZ	1554	33.6	#-1864
12	+EPZ	1607	29.2	
12	+EPZ	1940	11.5	
12	+EPZ	1940	14.2	
12	+IPZ	2007	30.0	#-1865
12	-IPcPZ	2007	34.4	#-1865
12	-IpPZ	2009	36.2	#-1865
12	ESH	2017	7.0	#-1865
12	-EPZ	2142	57.7	
12	-EPZ	2205	4.0	
12	+EPZ	2205	6.4	
12	+EPZ	2342	38.1	
12	+EpPZ	2352	22.2	#-1866
12	+EsPZ	2352	35.4	#-1866
13	+EPZ	0004	13.6	
13	+EPZ	0004	16.3	
13	+EPZ	0004	26.8	
13	-EPZ	0014	23.8	
13	-EPZ	0014	33.0	
13	+EPZ	0203	12.0	
13	-EPZ	0203	20.0	
13	-EPZ	0407	31.7	
13	+EPZ	0346	51.4	
13	-EPZ	0346	53.9	
13	+EPZ	0346	56.6	
13	+EpPZ	0752	25.0	#-1867
13	+EPZ	0814	3.5	
13	-EPZ	0823	16.0	
13	-EPZ	0823	31.1	
13	-EPZ	1032	44.4	
13	+EPZ	1042	42.4	
13	+EPZ	1055	8.0	
13	+EPZ	1318	16.6	
13	-EPZ	1328	35.3	
13	+EPZ	1328	42.0	
13	+EPZ	1346	14.6	
13	+EPZ	1550	10.0	
13	-EPZ	1602	30.3	#-1868
13	+EPZ	1728	10.1	
13	+EPZ	1743	7.8	#-1869

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
13	+IpPZ	1743	10.0	#-1869
13	+EPZ	1824	28.8	
13	+EPZ	1824	32.0	
13	+EXZ	1835	11.8	#-1870
13	+EsPZ	1835	19.8	#-1870
13	+EPZ	1943	40.5	#-1871
13	+EsPZ	1943	45.6	#-1871
13	+EPZ	2036	12.0	
13	+EPZ	2036	22.5	
13	+EPZ	2245	22.0	
13	+EPZ	2245	28.7	
13	+EPZ	2307	14.0	
14	+EPZ	0207	36.5	
14	+EPZ	0244	7.4	
14	+EPZ	0504	34.0	#-1872
14	-EpPZ	0504	43.5	#-1872
14	-EPZ	0544	26.0	
14	-EPZ	0544	28.0	
14	+EPZ	0619	1.8	
14	+EPZ	0619	3.0	
14	+EPZ	0725	19.8	
14	+EPZ	0725	21.6	
14	-EPZ	0809	7.0	
14	-EPZ	0906	6.6	
14	+EPZ	0906	8.6	
14	+EPZ	0924	17.3	
14	-EPZ	1009	2.0	
14	+EPZ	1101	52.8	
14	-EPZ	1101	54.0	
14	+EPZ	1342	1.0	
14	+EPZ	1646	27.0	#-1873
14	-EPZ	1653	28.0	#-1874
14	+EPZ	1815	4.2	
14	+EpPZ	1830	22.3	#-1875
14	-IsPZ	1830	24.2	#-1875
14	+EPKiKPZ	1835	24.4	#-1875
14	+EPZ	2216	7.6	
15	-EPZ	0008	51.0	#-1876
15	+EPZ	0019	20.1	
15	+EPZ	0110	32.2	
15	+EPZ	0110	46.9	
15	+EPZ	0207	1.4	
15	-EPZ	0207	4.0	
15	+EPZ	0207	10.4	
15	+EPZ	0421	12.2	
15	+EPZ	0455	5.4	
15	+EPZ	0516	38.2	
15	+EPZ	0516	41.9	
15	-IPZ	0516	43.4	
15	-IPZ	0516	45.2	
15	+EPZ	0535	15.2	
15	+EPZ	0616	15.3	
15	+EPZ	0701	9.8	
15	+EPZ	0707	44.1	
15	-EPZ	0719	46.4	
15	+EPZ	0822	10.8	
15	+EPZ	0822	16.5	
15	-EPZ	0822	24.6	
15	-EPZ	0925	0.2	
15	+EXZ	0956	26.5	#-1877
15	-EXZ	0956	38.2	#-1877
15	+EPZ	1003	13.5	
15	+EPZ	1003	15.8	
15	+EPZ	1106	6.0	#-1878
15	+EpPZ	1106	26.6	#-1878
15	+IPZ	1219	10.0	#-1879
15	+IpPZ	1219	15.0	#-1879
15	+EsPZ	1219	17.6	#-1879
15	+EPZ	1235	2.0	
15	+EPZ	1235	25.6	
15	+EPZ	1531	16.0	
15	+EPZ	1604	23.4	
15	+EPZ	1809	31.4	
15	+EPZ	1809	37.4	
15	+EPZ	1846	10.0	#-1880
15	+EXZ	1846	41.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
15	+EPZ	19	12	23.0	
15	+EPZ	21	00	0.1	
15	+EPZ	21	14	38.8	
15	+EPZ	21	28	14.2	
15	+IPZ	22	17	6.5	
15	-IPZ	22	17	10.3	
15	+EPZ	23	10	48.2	
15	-EPZ	23	10	55.0	
15	+EPZ	23	24	17.6	
16	-EPZ	01	19	52.7	#-1881
16	-EPcPZ	01	19	54.8	#-1881
16	+EpPZ	01	22	5.2	#-1881
16	ESH	01	29	32.0	#-1881
16	+IPZ	02	48	22.4	#-1882
16	+IPcPZ	02	48	24.0	#-1882
16	+EpPZ	02	48	32.0	#-1882
16	+EPZ	03	25	29.0	
16	+EPKPdfZ	03	47	26.4	#-1883
16	+EPKiKPZ	03	47	29.4	#-1883
16	+EPZ	04	45	1.0	
16	+EPZ	04	45	3.6	
16	+EPZ	05	11	32.7	
16	-EPZ	05	11	35.2	
16	-EPZ	05	11	38.2	
16	-EPZ	10	15	42.6	
16	+EPZ	10	18	3.2	
16	+EPZ	10	18	12.8	
16	+EPZ	10	27	1.0	
16	-IPZ	13	11	51.6	#-1884
16	-IPcPZ	13	11	55.0	#-1884
16	+IpPZ	13	13	58.1	#-1884
16	ESH	13	21	28.2	#-1884
16	+EPZ	14	13	40.0	
16	+EPZ	17	45	7.0	
16	+EPZ	18	08	45.7	
16	+EPZ	18	58	20.8	
16	-EPZ	18	58	26.6	
16	-EPKPdfZ	18	59	3.0	#-1885
16	+EPZ	21	19	34.4	
16	-EPZ	21	19	44.0	
16	+EPZ	21	53	8.0	
16	-EPZ	21	53	10.2	
16	+EPKPdfZ	21	53	39.6	#-1886
16	-EPKiKPZ	21	53	45.7	#-1886
16	+EPZ	22	46	30.0	
16	-IPZ	23	08	14.7	#-1887
16	-IPcPZ	23	08	26.0	#-1887
16	+IpPZ	23	09	5.2	#-1887
16	+EPZ	23	46	19.0	
16	-EPZ	23	46	19.8	
17	+EPZ	02	41	3.6	
17	+EPZ	05	11	9.0	
17	-EPZ	05	11	11.6	
17	+EPZ	05	12	28.0	
17	-IPZ	05	12	31.0	
17	+EPZ	06	24	14.2	#-1888
17	+IPcPZ	06	24	17.3	#-1888
17	+EPKiKPZ	06	29	18.4	#-1888
17	+EPdiffZ	06	28	52.4	#-1889
17	-IPKiKPZ	06	32	54.0	#-1889
17	+IXZ	06	33	20.0	#-1889
17	+EPZ	08	17	12.0	
17	+EPZ	08	33	11.2	
17	-EPZ	08	33	12.2	
17	+EPZ	08	53	21.5	
17	-EPZ	08	53	23.0	
17	+EPZ	10	50	2.6	#-1890
17	+EXZ	10	50	20.2	#-1890
17	+EPZ	11	09	26.7	
17	+EPZ	12	05	56.9	
17	-EPZ	12	26	17.4	
17	+EPZ	12	34	21.4	
17	+EPZ	12	34	40.0	
17	+EPZ	17	28	23.6	
17	+EPZ	17	28	37.0	
17	-EPZ	18	15	8.4	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
17	-EPZ	2110	14.0	
17	+EPZ	2110	20.2	
17	+EPdiffZ	2333	25.7	#-1891
17	+EPZ	2348	3.7	
18	+EPZ	0127	40.2	
18	+EPZ	0127	42.0	
18	+EPZ	0322	15.7	
18	+EPZ	0417	4.7	
18	-EPZ	0417	7.3	
18	+EPZ	0417	14.6	
18	-EPKPbcZ	0436	25.0	#-1892
18	-IPKiKPZ	0436	31.1	#-1892
18	-IsPdiffZ	0436	39.5	#-1892
18	-ISKPdfZ	0439	16.5	#-1892
18	-EPZ	0624	1.0	
18	+EPZ	0624	5.0	
18	+EPZ	0624	37.0	
18	+EPZ	0806	9.1	
18	+IPZ	1326	49.4	
18	+EpPZ	1510	28.6	#-1893
18	-EPZ	1510	33.2	#-1893
18	+EPnPnZ	1510	39.2	#-1893
18	+EPZ	1913	35.4	
18	+EPZ	1949	26.4	
18	+EsPZ	2001	8.0	#-1894
18	-EPZ	2107	19.1	
18	+EPZ	2344	18.0	
19	-EPZ	0003	23.4	#-1895
19	+EXZ	0003	36.0	#-1895
19	+EPZ	0123	25.0	
19	+EPZ	0223	13.9	
19	+EPcPZ	0310	45.0	#-1896
19	+EpPZ	0311	3.0	#-1896
19	+EsPZ	0311	12.0	#-1896
19	+EPZ	0415	32.0	
19	+EPZ	0415	34.6	
19	-EPZ	0606	5.6	
19	+EPZ	0606	9.2	
19	+EPZ	0645	17.9	#-1897
19	-EPcPZ	0645	19.4	#-1897
19	+EsPZ	0645	23.8	#-1897
19	+EPZ	0735	16.8	
19	+EPZ	0735	18.6	
19	+EPZ	0828	40.2	
19	+EPZ	0828	44.2	
19	+EPZ	0843	22.2	
19	-EPZ	0901	39.4	#-1898
19	+EPZ	0843	22.2	
19	-EPZ	0928	21.0	
19	+EPZ	0928	25.6	
19	-EPZ	1033	5.0	
19	+EPZ	1033	30.1	
19	+EPZ	1034	4.4	
19	+EPZ	1145	2.0	
19	+EPZ	1215	15.2	
19	+EPZ	1308	56.0	
19	+IPZ	1309	1.4	
19	+EPZ	1309	6.0	
19	-EPZ	1318	12.3	
19	+EPZ	1409	9.8	
19	+EPZ	1409	11.0	
19	+EPZ	1409	13.0	
20	-EPdiffZ	0126	53.4	#-1899
20	-EPPZ	0323	52.6	#-1900
20	+EPZ	0340	45.0	
20	-EPZ	0402	20.5	
20	+EPZ	0449	4.0	
20	-EPZ	0439	31.0	#-1901
20	+EsPdiffZ	0527	32.0	#-1902
20	+EPZ	0607	17.6	
20	-EPZ	0627	7.8	
20	+IPZ	0727	42.4	#-1903
20	+EPcPZ	0727	44.0	#-1903
20	+EPZ	1102	37.0	
20	+EPZ	1103	1.9	
20	-EPZ	1122	19.2	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
20	+EPZ	1315	12.6	
20	+EPZ	1515	5.0	
20	+EPZ	1643	22.4	
20	+EPZ	1643	24.0	
20	+EPZ	1826	11.4	
20	-EPZ	1840	16.7	#-1904
20	+EPcPZ	1840	18.4	#-1904
20	+EpPZ	1840	22.0	#-1904
20	-EPZ	2006	25.0	
20	+EPZ	2114	2.0	
20	+EPZ	2344	2.2	
21	+IPZ	0028	2.6	
21	+EPZ	0115	6.2	
21	+EPZ	0450	38.0	
21	+EPZ	0924	11.4	
21	-EPZ	0924	24.4	
21	+EPZ	1110	0.7	
21	-EPZ	1113	14.4	
21	+EPZ	1228	8.0	
21	+EPZ	1228	17.0	
21	+EPZ	1241	15.0	
21	+EPZ	1248	1.3	
21	+IPZ	1513	43.4	#-1905
21	-IpPZ	1513	45.0	#-1905
21	+IsPZ	1513	49.6	#-1905
21	-IPZ	1516	42.2	#-1906
21	+IpPZ	1516	45.8	#-1906
21	+EsPZ	1516	51.0	#-1906
21	-EPZ	1557	42.2	#-1907
21	+EPZ	1629	22.0	
21	+EPZ	1629	25.4	
21	+EXZ	1749	55.4	#-1908
21	+EPKiKPZ	1749	56.7	#-1908
21	+EPZ	1906	14.6	
21	+EPZ	1921	1.1	
21	+EPZ	2106	1.3	
21	+EPZ	2106	6.0	
21	+EPZ	2106	9.0	
21	+EPZ	2115	18.4	
21	+EPZ	2142	42.8	
21	-EPZ	2238	5.6	
22	+EPZ	0224	0.8	
22	+EPZ	0224	3.0	
22	+EPZ	1029	26.8	
22	+EPZ	1132	37.0	
22	+EPZ	1153	3.0	
22	+EPZ	1153	6.0	
22	-EPZ	1242	6.0	
22	-EPZ	1325	26.0	
22	-EPZ	1325	30.4	
22	+EPZ	1332	7.4	
22	-EPZ	1345	10.8	
22	+EPZ	1401	5.0	
22	-IPZ	1452	5.4	#-1909
22	+IpPZ	1452	13.7	#-1909
22	+EsPZ	1452	18.1	#-1909
22	+IPcPZ	1452	33.1	#-1909
22	+EPZ	1509	32.9	
22	+EPZ	1529	13.0	
22	-IPZ	1607	55.2	#-1910
22	-EScPZ	1614	13.0	#-1910
22	+EXZ	1618	9.0	#-1910
22	+EPZ	1628	40.9	#-1911
22	+EpPZ	1628	45.2	#-1911
22	+EPZ	1819	25.8	
22	-EPZ	1819	36.0	
22	+EPZ	1845	43.4	#-1912
22	-EpPZ	1845	45.0	#-1912
22	-EPcPZ	1846	31.0	#-1912
22	-EPZ	1900	21.0	
22	+EPZ	1900	24.4	
22	-EPZ	2047	18.4	
22	+EPZ	2116	34.2	#-1913
22	-EPcPZ	2116	44.6	#-1913
22	-EPZ	2128	39.0	#-1914
22	+EPZ	2243	14.4	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
22	+EPZ	22	43	22.1	
22	-EPZ	23	06	27.2	
22	-EPZ	23	06	30.3	
22	+EPZ	23	28	37.4	
22	+IPZ	23	28	39.6	
23	+EPZ	01	50	37.4	
23	+EPZ	02	43	30.4	
23	+EPZ	04	03	11.7	
23	+EPdiffZ	04	50	39.7	#-1915
23	+EPKPdfZ	04	53	24.6	#-1915
23	+EPZ	05	15	2.4	
23	-EPZ	05	15	4.8	
23	+EPZ	05	15	9.0	
23	+EPZ	06	29	21.6	
23	+EPZ	08	45	2.8	
23	+EPZ	08	45	7.4	
23	+EPZ	10	34	55.0	#-1916
23	-EPcPZ	10	34	57.0	#-1916
23	+EPZ	11	07	17.8	
23	-EPZ	11	07	20.3	
23	+EPZ	13	07	37.3	
23	-EPZ	13	07	44.4	
23	-EPZ	14	05	1.0	#-1917
23	+EPZ	15	37	4.8	#-1918
23	-EPcPZ	15	37	7.4	#-1918
23	-EpPZ	15	37	22.0	#-1918
23	-EPZ	16	44	12.0	
23	+EPZ	16	44	15.3	
23	-EPZ	19	32	22.3	
23	+EPZ	19	32	24.9	
23	+EXZ	19	34	36.2	#-1919
23	-EpPdiffZ	19	34	42.0	#-1919
23	+EPZ	20	06	22.9	
23	-EPZ	20	06	35.3	
23	-EPZ	20	39	53.8	
23	+EPZ	20	39	55.0	
23	+EPZ	20	53	20.6	
23	+EPZ	21	12	12.4	
23	+EPZ	22	50	10.8	
23	+EPZ	23	31	30.2	
23	+EPZ	23	31	34.6	
24	-EPZ	00	14	34.0	
24	+EPZ	00	14	39.9	
24	-EPZ	06	25	10.0	
24	+EPZ	06	25	18.0	
24	+EPZ	06	45	20.0	#-1920
24	-EsPZ	06	45	24.0	#-1920
24	-EPZ	07	23	52.8	#-1921
24	+IPZ	11	27	23.1	#-1922
24	+EpPKiKPZ	11	34	12.4	#-1922
24	ESH	11	36	35.8	#-1922
24	+EPZ	12	24	30.6	
24	-EPZ	12	24	40.2	
24	+EPZ	12	25	0.2	
24	-EPZ	13	04	34.3	
24	+EPdiffZ	13	46	43.1	#-1923
24	-EpPdiffZ	13	47	0.8	#-1923
24	+EPZ	17	36	14.6	
24	+EPZ	17	36	24.0	
24	+EPZ	18	14	2.5	
24	+EPZ	18	14	4.7	
24	+EPZ	18	14	18.7	
24	-EPZ	21	46	28.6	
24	-IPZ	23	07	1.2	#-1924
24	-EpPZ	23	07	26.6	#-1924
24	-EPZ	23	21	18.4	
24	+EPZ	23	21	20.6	
25	+EPdiffZ	02	45	28.6	#-1925
25	+EXZ	02	45	41.8	#-1925
25	+EsPZ	02	45	52.5	#-1925
25	-EPZ	03	12	46.3	
25	+EPZ	03	12	55.0	
25	+EPZ	03	49	3.0	
25	-EPZ	03	49	5.4	
25	+EPZ	03	49	9.3	
25	-EPKPdfZ	05	19	31.2	#-1926

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
25	+EPZ	0519	51.2	
25	+EPZ	0608	20.0	
25	-EPZ	0608	25.6	
25	-EPZ	0629	44.2	#-1927
25	-EPZ	0727	4.4	
25	-EPZ	0727	7.4	
25	-EPZ	0842	6.2	#-1928
25	+EPcPZ	0842	10.0	#-1928
25	+EPZ	0853	54.4	
25	-EPZ	0853	56.2	
25	+EPZ	0914	0.2	
25	+EPZ	0914	4.2	
25	-EPZ	0917	41.6	#-1929
25	-EPZ	0926	50.8	#-1930
25	-IPcPZ	0926	52.2	#-1930
25	-IsPZ	0926	54.6	#-1930
25	-EPPZ	0930	27.2	#-1930
25	-EPKiKPZ	1053	31.0	#-1931
25	+EPZ	1213	22.8	
25	+EPZ	1310	18.6	
25	-EPZ	1310	22.6	
25	-EPZ	1310	30.0	
25	-IPZ	1310	33.4	
25	+IPZ	1326	1.8	
25	+EPZ	1419	16.8	
25	+EPZ	1513	7.0	
25	-EPZ	1513	10.8	
25	+IPKPdfZ	1811	10.2	#-1932
25	+IsPKPdfZ	1811	50.3	#-1932
25	+IXZ	1812	30.6	#-1932
25	ESH	1823	55.0	#-1932
25	-EPZ	1906	9.8	#-1933
25	-EpPZ	1906	34.1	#-1933
25	-EPZ	1945	46.4	
25	+EPZ	2003	22.8	
25	-EPZ	2204	29.0	
25	+EPZ	2352	14.6	
25	-EPZ	2352	18.6	

Date	Phase	Time H M	S	Remarks
26	+EPZ	0017	28.0	
26	+EPZ	0017	30.4	
26	-IPZ	0017	35.3	
26	+EPZ	0129	24.2	
26	+EPZ	0129	48.8	
26	-EPZ	0357	27.6	
26	-EPZ	0357	29.4	
26	+EPcPZ	0408	35.4	#-1934
26	-EpPZ	0408	37.0	#-1934
26	+EXZ	0434	21.0	#-1935
26	+EPZ	0513	38.6	
26	-EPZ	0513	40.0	
26	+EPZ	0517	49.6	#-1936
26	-EPZ	0527	8.0	
26	+EPZ	1040	5.8	
26	-EPZ	1204	7.0	
26	+IPZ	1204	21.2	
26	+EPZ	1312	36.5	
26	+EPZ	1750	20.2	
26	-EPZ	1842	16.2	#-1937
26	+EPcPZ	1842	18.0	#-1937
26	+EPZ	1908	8.4	
26	+EPZ	1908	18.4	
26	-EPZ	2045	0.0	
26	-IPZ	2045	2.5	
26	+EPZ	2045	7.1	
26	+EPcPZ	2047	12.5	#-1938
27	-EPZ	0513	45.8	
27	+EPZ	0521	20.2	
27	+EPZ	0613	40.0	
27	-EPZ	0613	50.0	
27	-EPZ	0752	43.2	
27	+EXZ	0839	49.0	#-1939
27	+EPZ	0855	5.6	#-1940
27	-EsPZ	0855	10.0	#-1940
27	+EPZ	0923	1.8	
27	+EPZ	0923	5.6	
27	-EPZ	1047	1.6	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
27	+EPZ	1253		25.0	
27	+EPZ	1253		27.0	
27	+EPZ	1348		19.9	
27	+EPZ	1451		4.6	#-1941
27	-EpPZ	1451		18.0	#-1941
27	-EPZ	1515		18.6	
27	+EPZ	1528		3.4	#-1942
27	+EPZ	1951		19.2	
27	-EPZ	1951		33.0	
27	-EPZ	2015		31.8	
27	+EXZ	2303		17.6	#-1943
27	-EPZ	2340		27.4	
28	-EPZ	0207		15.0	
28	+EPZ	0301		0.4	
28	+EPZ	0412		3.0	
28	-EPZ	0446		1.0	
28	+EPZ	0636		25.8	#-1944
28	+EPcPZ	0636		28.7	#-1944
28	-EpPZ	0655		16.0	#-1945
28	-EPZ	0710		6.0	
28	+EPZ	0710		16.0	
28	+EPZ	0857		6.2	#-1946
28	-IsPZ	0857		15.2	#-1946
28	+EPZ	1000		35.3	
28	-EPZ	1000		37.0	
28	+EPZ	1022		22.2	
28	+EPZ	1100		52.7	
28	+EPZ	1100		56.0	
28	+EPZ	1424		4.2	
28	+EPZ	1424		15.0	
28	+IPZ	1528		25.4	#-1947
28	+IPcPZ	1528		26.8	#-1947
28	+EPZ	1816		15.9	
28	+EPZ	1907		5.8	
28	+EPZ	1907		10.0	
28	+IPZ	2104		51.0	
28	+IPZ	2104		54.3	
28	+EPZ	2223		1.2	
28	-EPZ	2323		43.6	
28	+EPZ	2323		44.7	
29	+EPPZ	0157		16.4	#-1948
29	+EPZ	0415		18.0	
29	+EPZ	0415		21.2	
29	+EPZ	1122		51.6	
29	+IPZ	1122		54.2	
29	+EPZ	1739		28.0	
29	-EPZ	1739		41.0	
29	+EPZ	1926		16.6	
29	+EPZ	2037		3.4	
29	+EPZ	2037		8.8	
29	-EPZ	2340		57.4	
29	-EPZ	2341		4.6	
30	+EPZ	0345		2.9	
30	-EPZ	0421		18.6	
30	-EPZ	0511		11.4	
30	+EPZ	0511		16.4	
30	-EPZ	0651		8.6	
30	+EPZ	0651		18.9	
30	-EPZ	0707		7.4	
30	-EPZ	0707		9.0	
30	-EPZ	0803		0.6	
30	+EPZ	0803		4.6	
30	+EPZ	0819		37.0	
30	+EPcPZ	1013		50.9	#-1949
30	+EPZ	1359		20.0	#-1950
30	+EpPZ	1359		30.0	#-1950
30	-EPZ	1426		22.1	
30	-EPZ	1426		24.2	
30	+EPZ	1553		20.0	
30	+EPZ	1553		21.4	
30	+EPZ	1602		45.8	
30	-EPZ	1602		49.8	
30	+IPZ	1657		25.6	#-1951
30	+IpPZ	1657		31.0	#-1951
30	+EPPZ	1700		7.0	#-1951
30	+EPZ	1814		43.4	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
30	-EPZ	1937	7.4	
30	+IPcPZ	1937	10.0	
30	+EPZ	2021	6.0	
30	+EPZ	2147	51.8	#-1952
30	+IPZ	2246	20.0	#-1953
30	-IPcPZ	2246	22.0	#-1953
30	ESH	2256	15.0	#-1953
30	+EPZ	2316	32.8	
30	-EPZ	2316	36.0	
Oct. 1	+EPZ	0050	0.8	
1	+EPZ	0114	18.0	
1	+EPZ	0116	35.8	
1	+EPZ	0116	37.8	
1	-EPZ	0210	22.1	
1	+EPZ	0221	33.5	
1	-EPKPdfZ	0259	32.6	#-1954
1	+IPKPbcZ	0259	34.0	#-1954
1	-IPKPabZ	0259	38.1	#-1954
1	+EPZ	0325	11.5	
1	-EPZ	0351	51.4	#-1955
1	-IpPZ	0352	4.8	#-1955
1	-EPZ	0412	12.0	
1	-EPZ	0412	24.8	
1	-EPZ	0424	50.1	
1	+EPZ	0424	55.0	
1	-EPZ	0535	4.0	
1	-EPZ	0535	27.0	
1	+EPZ	0549	37.0	
1	-EPZ	0549	40.0	
1	+EPZ	0555	55.4	
1	+EPZ	0620	41.4	#-1956
1	-IXZ	0620	44.4	#-1956
1	+EPPZ	0623	44.0	#-1956
1	-EPZ	0633	12.0	
1	-EPZ	0633	27.6	
1	-EPZ	0633	36.0	
1	+EPZ	0640	2.4	
1	+EPZ	0640	6.0	
1	+EPZ	0656	27.8	
1	+EPZ	0656	35.0	
1	-EPZ	0721	0.4	
1	-EPZ	0721	3.4	
1	+EPZ	0742	0.6	
1	-EPZ	0742	8.0	
1	+EPZ	0814	36.9	
1	+EPZ	0815	2.0	
1	-EPZ	0833	37.0	
1	+EPZ	0855	2.2	
1	+EPZ	1009	40.0	
1	+EPZ	1010	12.8	
1	-EPZ	1015	13.6	
1	-EPZ	1102	0.4	
1	+EPZ	1102	7.0	
1	-EPZ	1120	31.0	
1	+EPZ	1136	2.6	
1	+EPZ	1136	23.3	
1	+EPZ	1210	45.3	
1	+EPZ	1210	47.0	
1	+EPZ	1228	18.2	
2	+EPZ	1241	33.5	
2	-EPZ	1241	35.8	
2	+IPKPdfZ	1316	29.3	#-1957
2	+IPKPbcZ	1316	30.2	#-1957
2	-IPKiKPZ	1316	34.8	#-1957
2	-IPKPabZ	1316	36.0	#-1957
2	+EPZ	1333	27.6	
2	+EPZ	1333	30.2	
2	+EPZ	1345	26.6	
2	+IPZ	1402	54.8	#-1958
2	+IPcPZ	1402	55.7	#-1958
2	-EPZ	1421	19.2	
2	+EPZ	1427	6.9	
2	+EPZ	1431	5.0	
2	+EPZ	1443	26.2	
2	-EPZ	1520	9.2	
2	+EPZ	1520	14.2	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
2	+EPZ	1609	6.0	
2	-EPKPdfZ	1615	10.4	#-1959
2	+EpPKPdfZ	1615	15.6	#-1959
2	+EPZ	1641	11.0	
2	+EPZ	1641	12.3	
2	+EPZ	1647	20.0	
2	-EPZ	1944	4.0	
2	-EPZ	1944	4.8	
2	-EPZ	2011	1.0	
2	-EPZ	2013	22.6	
2	+EPZ	2039	41.1	
2	-EPZ	2108	0.0	
2	+EPZ	2337	30.0	
2	-EPZ	2337	35.0	
3	+EPKiKPZ	0116	41.6	#-1960
3	-EPZ	0221	5.0	
3	-EPZ	0221	21.0	
3	-EPZ	0309	20.4	
3	-EPZ	0314	20.1	
3	-EPZ	0322	23.4	
3	+EPZ	0415	34.6	
3	+EPZ	0453	2.1	
3	-EPZ	0453	3.5	
3	+EpPKiKPZ	0555	44.1	#-1961
3	-IPZ	0602	0.0	#-1962
3	-EpPZ	0602	7.4	#-1962
3	+EsPZ	0602	10.0	#-1962
3	+EPZ	0614	21.6	
3	+EPZ	0640	5.4	
3	-EPZ	0656	11.4	
3	-EPZ	0705	3.2	
3	+EPZ	0734	34.2	
3	-EPZ	0750	9.6	
3	-EPZ	0757	28.2	
3	+EPZ	0804	2.6	#-1963
3	+EXZ	0819	15.0	#-1964
3	-EPZ	0825	45.2	
3	-EPZ	0825	49.0	
3	+EPZ	0830	23.7	
3	-EPZ	0902	0.4	
3	+EPZ	0909	1.4	
3	+EPZ	0909	8.2	
3	+EPZ	0928	42.5	
3	+EPZ	0928	45.3	
3	+EPZ	1002	28.6	
3	+EPZ	1008	0.9	
3	-EPZ	1008	2.0	
3	-EPZ	1019	16.0	
3	+EPZ	1052	31.6	
3	+EPZ	1204	2.8	
3	+EPZ	1204	5.6	
3	+EPZ	1419	2.0	
3	-EPZ	1419	15.9	
3	+EPZ	1419	21.6	
3	-EPZ	1515	15.6	
3	+EPZ	1526	32.8	
3	-EPZ	1538	36.6	
3	+EPZ	1539	28.8	
3	+EPZ	1643	16.8	
3	-EPZ	1643	19.8	
3	+EPZ	1708	18.9	#-1965
3	+EpPZ	1708	20.4	#-1965
3	-EPZ	1744	4.2	
3	+IPZ	1841	10.6	#-1966
3	+IpPZ	1841	14.0	#-1966
3	+EPZ	1850	54.4	
3	+EPZ	1850	56.1	
3	-EPZ	2138	34.2	#-1967
3	+EpPZ	2138	49.2	#-1967
3	+EPZ	2211	49.8	
3	+EPZ	2211	53.3	
3	-EPZ	2211	56.0	
3	+EpPdiffZ	2234	50.0	#-1968
3	-EPZ	2253	4.0	
3	-EPZ	2253	7.7	
3	+EPZ	2340	11.0	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
3	-EPZ	23	40	11.8	
4	-EPZ	00	25	11.9	
4	+EPZ	00	25	15.0	
4	+EPZ	00	53	0.2	
4	+EPZ	01	33	29.4	
4	-EPZ	01	33	31.0	
4	-EPZ	02	12	43.0	
4	+EPZ	02	12	45.4	
4	-EPZ	02	40	1.0	
4	-EPZ	02	44	9.0	
4	+EPZ	03	17	4.0	
4	+EPZ	03	17	9.8	
4	-EPZ	03	49	15.0	
4	+EPZ	04	08	3.2	
4	-EPZ	04	08	7.0	
4	+EPZ	04	08	19.6	
4	+EPZ	04	17	14.4	
4	+EPZ	04	17	17.2	
4	+EPZ	04	37	38.6	
4	-EPZ	05	13	19.7	
4	-EPZ	05	13	22.2	
4	+EPZ	05	27	6.2	
4	+EPZ	05	48	19.2	
4	+EPZ	06	09	1.0	
4	+EPZ	06	24	0.9	
4	+EPZ	06	52	2.5	
4	+EPZ	06	52	5.1	
4	-EPZ	07	49	14.2	
4	+EPZ	08	49	29.8	
4	+EPZ	08	49	42.6	
4	-EPZ	09	14	3.0	
4	-EPZ	09	14	8.6	
4	-EPZ	09	23	19.0	
4	+EPZ	09	23	31.4	
4	+EPZ	13	11	12.4	
4	+EPZ	13	11	15.6	
4	+EPZ	13	26	16.7	
4	+EPZ	14	32	51.3	
4	-EPZ	14	33	9.2	
4	+EPZ	16	50	23.6	
4	+EPZ	16	50	26.4	
4	+EPZ	17	09	13.6	
4	+EPZ	17	09	15.6	
4	-EPZ	17	09	23.2	
4	+EPZ	17	51	55.8	
4	-EPZ	17	52	0.3	
4	+EPPZ	17	56	19.1	#-1969
4	-EPZ	18	12	15.4	
4	+EPZ	18	12	17.6	
4	+EPcPZ	18	47	42.4	#-1970
4	+EXZ	19	32	33.3	#-1971
4	+EPZ	21	31	5.0	#-1972
4	-EPZ	22	24	13.9	
4	-EPZ	22	24	39.5	
4	+EPZ	22	25	0.5	
4	+EPZ	23	07	25.0	
5	-EPZ	00	57	1.8	
5	+EPZ	00	57	4.0	
5	+EPZ	01	09	5.8	
5	-EPZ	01	09	10.0	
5	+EPZ	01	33	20.8	
5	+EPZ	01	33	25.9	
5	-EPPZ	05	33	7.8	#-1973
5	+IPZ	07	32	45.1	#-1974
5	+IpPZ	07	32	49.0	#-1974
5	ESH	07	39	19.0	#-1974
5	+EPZ	08	21	12.0	
5	-EPZ	09	11	4.4	
5	-EPZ	09	52	45.0	
5	+EPZ	10	20	6.8	
5	-EPZ	11	21	35.8	
5	-EPZ	14	58	29.0	
5	-EPZ	15	05	32.0	#-1975
5	+IpPZ	15	05	34.8	#-1975
5	+EPZ	15	34	25.7	
5	-EPZ	15	40	15.7	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
5	-EPZ	1644	37.0	
5	+EPZ	1644	42.8	
5	-EPZ	1729	37.6	#-1976
5	-EPZ	1741	32.4	
5	+EPZ	1753	5.0	
5	+EPZ	1753	8.5	
5	-EPZ	1753	10.9	
5	+EPZ	1802	24.0	
5	-EPZ	1849	20.2	
5	+EPZ	1849	29.8	
5	+EPZ	2050	5.6	
5	+EPZ	2050	9.4	
5	+EPZ	2140	1.7	
5	-EPZ	2140	7.9	
5	-EPZ	2244	2.0	
5	+EPZ	2244	5.0	
5	+IPZ	2307	19.9	
5	+EPZ	2307	30.3	
5	+EPZ	2344	18.6	
6	+EPZ	0105	5.4	
6	-EPZ	0103	16.0	
6	-IPZ	0121	47.0	
6	+IPZ	0121	49.8	
6	-EPZ	0208	9.4	
6	-EPZ	0333	0.0	#-1977
6	-EpPZ	0333	3.0	#-1977
6	+EPZ	0517	18.4	
6	+EPZ	0517	20.3	
6	+EPZ	0607	51.2	
6	-EPZ	0720	2.0	
6	-EPZ	0720	4.2	
6	+EPZ	0809	14.5	
6	-IPZ	0809	15.7	
6	-EPZ	0921	10.6	
6	-EPZ	1046	24.0	
6	+EPZ	1214	22.8	#-1978
6	-EXZ	1214	46.5	#-1978
6	+EPZ	1418	25.8	
6	-EPZ	1423	34.0	
6	+EPZ	1455	12.5	
6	-EPZ	1455	15.1	
6	+EPZ	1613	6.4	
6	-EPZ	1613	9.5	
6	+EpPZ	1957	40.2	#-1979
6	-EsZP	1957	42.1	#-1979
6	+EPZ	2027	14.8	
6	+EPZ	2027	20.4	
6	-EPZ	2104	21.0	
6	-EPZ	2341	0.8	
7	+EPZ	0117	47.3	
7	+EPZ	0117	49.1	
7	-IPZ	0118	1.0	
7	+EPZ	0222	21.8	
7	-EPZ	0401	55.5	
7	-EPZ	0402	0.0	
7	+EPZ	0402	2.2	
7	+EPZ	0424	3.4	
7	+EPZ	0424	15.8	
7	-EPKiKPZ	0447	7.8	#-1980
7	+EXZ	0448	11.4	#-1980
7	+IPZ	0520	59.2	#-1981
7	-EPcPZ	0521	5.0	#-1981
7	-IpPZ	0521	24.4	#-1981
7	+IsPZ	0521	35.0	#-1981
7	-EPPZ	0523	53.0	#-1981
7	+EPZ	0521	19.8	#-1982
7	ESH	0531	12.0	#-1982
7	+EPZ	0615	18.6	
7	+EPZ	0902	54.0	
7	+EPZ	0902	56.8	
7	+EPZ	0914	41.8	
7	+EPZ	0935	17.4	
7	+EPZ	0935	28.1	
7	-EPZ	1010	13.0	
7	-EPZ	1010	15.9	
7	-EPdiffZ	1039	9.4	#-1983

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
7	-EpPdiffZ	1039	12.0	#-1983
7	+EPZ	1216	24.0	
7	+EPZ	1245	22.0	#-1984
7	-EpPZ	1245	24.0	#-1984
7	-EPcPZ	1245	29.2	#-1984
7	+EpPZ	1317	53.0	#-1985
7	-EsPZ	1317	56.6	#-1985
7	-EPZ	1343	9.9	
7	+EPZ	1343	23.6	
7	+EpPdiffZ	1403	40.5	#-1986
7	+EPPZ	1407	47.0	#-1986
7	-EPKiKPZ	1407	56.4	#-1986
7	+EPZ	1413	15.2	
7	+EPZ	1524	6.1	
7	-EPZ	1524	8.5	
7	-EXZ	1555	7.0	#-1987
7	+EXZ	1555	26.0	#-1987
7	+IPZ	1708	12.8	
7	-EPZ	1901	31.1	
7	+EPZ	2018	38.2	
7	+EPZ	2018	40.0	
7	-EPZ	2019	2.9	
8	+EPZ	0211	5.0	
8	-EPZ	0254	30.0	
8	+EPZ	0300	13.2	
8	+EPZ	0321	9.8	
8	+EPZ	0321	21.0	
8	-EPZ	0400	53.9	
8	+EPZ	0414	30.4	
8	+EPZ	0414	26.0	
8	-EPZ	0414	41.4	
8	-EPZ	0425	39.0	
8	-EPZ	0504	57.0	
8	+EPZ	0505	6.0	
8	-EPZ	0521	30.8	
8	-EPZ	1306	41.6	
8	-EPZ	1357	17.0	
8	+EPZ	1357	19.4	
8	+EPZ	1420	38.0	
8	+EPZ	1448	31.2	
8	+EXZ	1448	50.1	#-1988
8	+EPZ	1614	44.0	#-1988
8	+EPZ	1715	47.1	
8	-IPZ	1906	20.0	
8	-EPZ	1906	29.2	
8	-EPZ	2115	18.0	
8	-EPZ	2322	32.0	
9	+EPZ	0031	10.4	
9	-IPZ	0031	13.2	
9	+EPZ	0226	18.0	#-1989
9	-IpPZ	0226	23.0	#-1989
9	ESH	0236	14.2	#-1989
9	-IPZ	0243	56.0	#-1990
9	-IpPZ	0243	58.0	#-1990
9	-IPZ	0331	27.0	#-1991
9	-EsPZ	0331	35.0	#-1991
9	+EPZ	0400	43.5	#-1992
9	-EpPZ	0400	46.4	#-1992
9	-IPcPZ	0400	55.0	#-1992
9	+EPZ	0826	10.6	#-1993
9	+EpPZ	0826	12.7	#-1993
9	+IsPZ	0826	15.4	#-1993
9	+EPZ	0946	33.0	
9	-EPZ	0946	46.0	
9	-EPZ	1146	23.0	#-1994
9	-EPcPZ	1146	26.2	#-1994
9	+IPZ	1158	44.6	
9	-IPZ	1158	46.8	
9	+EPZ	1255	2.9	
9	-EPZ	1350	58.6	#-1995
9	+EpPZ	1351	0.4	#-1995
9	+EsPZ	1351	2.5	#-1995
9	+IPZ	1607	2.0	
9	+EPZ	1744	35.6	#-1996
9	+EpPZ	1744	41.4	#-1996
9	-EsPZ	1744	44.4	#-1996

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
9	+EPZ	1820	1.0	
9	-IPZ	1931	11.8	
9	-EPPZ	1938	39.4	#-1997
9	+EPZ	2006	5.0	
9	-EPZ	2037	0.9	
9	+EPZ	2111	50.0	#-1998
9	+IsPZ	2111	55.0	#-1998
9	-IPcPZ	2112	1.6	#-1998
9	-EPZ	2134	7.6	
9	+EPZ	2217	0.4	
10	-EPZ	0003	1.0	
10	-EPZ	0003	4.8	
10	+EPZ	0012	17.0	
10	+EPZ	0021	6.4	
10	+EPZ	0041	58.4	
10	-IPZ	0042	1.2	
10	+EPZ	0051	12.4	#-1999
10	+EPnPnZ	0051	20.4	#-1999
10	-EPZ	0202	23.4	
10	-EPZ	0202	25.1	
10	+EPZ	0215	18.4	
10	+EPZ	0220	8.2	
10	-EPZ	0220	11.0	
10	+EPZ	0227	4.3	
10	-EPZ	0227	7.2	
10	+EPZ	0252	15.4	
10	+EPZ	0252	29.0	
10	+EPZ	0317	1.0	
10	-EPZ	0317	4.3	
10	+EPZ	0321	47.8	
10	+EPZ	0324	18.4	
10	+EPZ	0401	1.0	
10	+EPZ	0401	4.1	
10	+EPZ	0401	11.0	
10	-IPZ	0419	39.6	#-2000
10	-IpPZ	0419	41.8	#-2000
10	-IXZ	0419	47.6	#-2000
10	ESH	0429	30.0	#-2000
10	-EPZ	0433	0.4	
10	+EPZ	0433	4.4	
10	-EPZ	0449	39.2	
10	+EPZ	0503	0.6	
10	+EPZ	0503	13.6	
10	+IPZ	0521	6.4	
10	+EPZ	0521	18.6	#-2001
10	+IpPZ	0521	19.1	#-2001
10	+EPZ	0528	16.4	
10	+EPZ	0539	50.0	
10	-EPZ	0539	53.0	
10	+EPZ	0546	34.0	
10	-EPZ	0546	46.6	
10	-EPZ	0546	49.4	
10	-EPZ	0558	7.0	
10	+EPZ	0607	49.7	
10	+EPZ	0607	57.7	
10	-IPZ	0608	0.4	
10	-EPZ	0616	0.1	
10	+EXZ	0637	13.3	#-2002
10	-EPZ	0644	33.4	
10	+EPZ	0644	35.6	
10	+EPZ	0723	46.0	
10	-EPZ	0723	51.0	
10	+EPZ	0812	4.0	
10	+EPZ	0852	22.8	
10	+EPZ	0950	32.6	
10	+EPZ	0950	35.0	
10	+EPZ	0950	37.4	
10	+EPZ	1010	20.2	
10	-EPZ	1117	36.4	
10	+EPZ	1311	24.3	#-2003
10	+EPZ	1335	33.0	
10	-EPZ	1349	22.0	
10	+EPZ	1416	3.7	
10	+EPZ	1508	35.8	
10	-EPZ	1623	15.6	
10	+EPZ	1634	3.4	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
10	-EPZ	16	35	54.8	#-2004
10	-IPcPZ	16	35	55.2	#-2004
10	-EPZ	17	24	13.0	#-2005
10	-IpPZ	17	24	16.6	#-2005
10	+IsPZ	17	24	17.6	#-2005
10	+EPZ	17	53	38.6	
10	+EPZ	18	13	30.2	
10	-EPZ	18	13	33.3	
10	+EPZ	18	35	9.9	
10	-EPZ	19	10	50.0	#-2006
10	-IpPZ	19	10	53.6	#-2006
10	+EsPZ	19	10	55.0	#-2006
10	+EXZ	19	21	4.0	#-2006
10	-EPcPZ	21	10	24.0	#-2007
10	-EPZ	21	19	2.0	
10	+EPZ	21	19	5.8	
10	+EPZ	22	19	2.0	
10	-EPZ	22	19	41.5	
10	+EPZ	23	44	3.4	
10	-IPZ	23	44	6.4	
11	+IPZ	00	05	1.4	
11	+EPZ	00	05	4.0	
11	+EPZ	01	24	12.7	
11	+EPZ	01	24	26.0	
11	-EPZ	02	16	1.5	
11	-EPZ	02	16	6.2	
11	+EPZ	02	22	45.0	
11	+EPZ	02	50	48.0	
11	+EPKPdfZ	02	55	0.2	#-2008
11	+EpPKiKPZ	02	55	10.0	#-2008
11	+EPZ	03	06	1.0	
11	+EPZ	03	06	7.2	
11	+EPZ	03	17	2.4	
11	-IPZ	03	17	5.9	
11	+EPZ	03	27	9.9	
11	-EPZ	04	02	9.0	
11	-EPZ	05	29	15.4	
11	+EPZ	05	36	4.0	
11	+EPZ	05	36	17.6	
11	-EPZ	05	40	4.0	
11	+EPZ	05	43	10.2	
11	+EPZ	05	46	46.0	
11	-EPZ	06	10	14.6	
11	-PZ	06	24	9.2	
11	+IPZ	06	24	11.1	
11	+EPZ	06	34	1.6	
11	+EPZ	06	34	5.2	
11	+EPZ	06	34	17.0	
11	-EPZ	06	55	16.6	
11	-EPZ	07	38	21.0	
11	-EPZ	08	27	21.6	
11	+EPZ	08	33	1.8	
11	-EPZ	08	33	19.0	
11	+EPZ	09	01	58.2	
11	+EPZ	09	13	3.2	
11	+EPZ	09	13	5.9	
11	+EPZ	09	39	0.6	
11	-EPZ	09	39	7.0	
11	+EPZ	10	29	46.6	
11	+EPZ	10	29	48.7	
11	-EPZ	10	29	54.0	
11	-EPZ	10	42	53.0	
11	+EPZ	10	42	56.2	
11	-EPZ	11	11	9.2	
11	+EXZ	12	28	14.7	#-2009
11	+IPZ	12	38	44.0	
11	+EPZ	12	53	7.0	
11	-EPZ	15	22	14.6	
11	-EPZ	15	27	10.0	
11	-EPZ	17	03	1.2	
11	+EPZ	17	35	19.7	
11	+EPZ	17	38	13.9	
11	+EPZ	17	38	20.5	
11	+EPZ	17	42	30.6	
11	-EPZ	18	11	28.0	
11	+EPZ	18	47	5.4	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
11	+EPZ	1904	27.7	
11	+EPZ	1904	35.0	
11	-EPZ	2019	27.0	
11	+EPZ	2019	30.0	
11	+EPZ	2118	14.6	
11	-EPZ	2147	37.0	
12	+EPZ	0017	56.4	
12	+EPZ	0124	43.0	
12	-IPZ	0124	46.0	
12	+EPZ	0218	21.0	
12	+EPZ	0218	23.2	
12	+IPnZ	0318	57.8	#-2010
12	+IPZ	0319	58.4	#-2010
12	-IPZ	0345	30.4	#-2011
12	-IPcPZ	0345	31.4	#-2011
12	+EpPZ	0346	6.0	#-2011
12	+EPZ	0350	14.4	
12	+EPZ	0420	23.6	
12	-EPZ	0420	27.4	
12	-EPZ	0426	11.6	
12	-EPZ	0426	19.2	
12	+EPZ	0532	6.0	
12	+EPZ	0532	15.8	
12	+EPZ	0558	13.2	
12	-EPZ	0618	7.4	
12	-EPZ	0704	2.4	
12	+EPZ	0804	16.4	
12	-EPZ	0804	20.3	
12	-EXZ	0900	20.4	#-2012
12	+EXZ	0903	7.4	#-2012
12	-EPZ	0937	10.0	
12	+EPZ	1055	38.0	#-2013
12	+EPZ	1102	23.4	
12	+EPZ	1317	20.0	
12	-IPZ	1717	25.6	#-2014
12	+IpPZ	1717	27.6	#-2014
12	-IsPZ	1717	28.4	#-2014
12	+EPZ	1801	17.4	
12	-EPZ	1917	4.0	#-2015
12	+EsPZ	1917	17.0	#-2015
12	+EPZ	1947	30.0	#-2016
12	+EpPZ	1955	13.3	#-2017
12	-EXZ	2007	52.4	#-2018
12	+EpPZ	2008	7.0	#-2018
12	+EPZ	2045	5.0	
12	-EPZ	2045	13.9	
12	+EPZ	2045	16.1	
12	+EPZ	2110	16.0	
12	-EXZ	2111	28.0	#-2019
12	+EPZ	2112	1.6	
12	+EPZ	2112	5.8	
12	+EpPZ	2203	19.0	#-2020
12	+EPZ	2220	2.4	
12	+EPZ	2242	0.5	
12	-EPZ	2242	9.7	
12	-EPZ	2242	14.2	
12	-EPZ	2335	1.0	#-2021
12	-EPcPZ	2352	31.0	#-2022
13	+EPZ	0118	10.0	
13	+EPZ	0131	42.5	
13	-EPZ	0131	47.6	
13	+IPZ	0333	13.0	#-2023
13	+EPZ	0333	14.2	#-2023
13	-EPZ	0350	7.1	
13	+EPZ	0453	8.7	
13	+IPZ	0523	37.3	#-2024
13	+IpPZ	0523	42.4	#-2024
13	-EPZ	0913	5.4	
13	-EPZ	0952	11.4	#-2025
13	-EPcPZ	0952	12.2	#-2025
13	+EPZ	1002	55.0	
13	-EPZ	1003	0.8	
13	-EPZ	1141	32.0	
13	+EPZ	1222	27.0	
13	+EPZ	1222	37.4	
13	+EPZ	1238	52.0	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
13	+EPZ	1238	55.0	
13	+IPZ	1526	45.1	#-2026
13	-IPcPZ	1526	46.6	#-2026
13	+IpPZ	1527	9.0	#-2026
13	-EPZ	1635	5.2	
13	-EPZ	1635	10.0	
13	+EPZ	1709	15.2	
13	+EPZ	1806	3.0	
13	-EPZ	1906	13.8	
13	-EPZ	1906	15.4	
13	-EPZ	2148	42.0	
13	+EPZ	2217	50.0	#-2027
13	-EPcPZ	2217	54.0	#-2027
13	ESH	2227	54.4	#-2027
14	-EPZ	0006	25.1	
14	-EPZ	0044	0.0	
14	-EPZ	0044	5.3	
14	-EPZ	0105	29.6	
14	-EPZ	0302	1.1	
14	-EPZ	0311	37.7	
14	+EPZ	0355	18.8	
14	-EpPdiffZ	0406	33.4	#-2028
14	-IPZ	0423	50.4	#-2029
14	-IpPZ	0423	54.3	#-2029
14	ESH	0433	10.0	#-2029
14	-EPZ	0501	0.2	
14	-EPZ	0536	1.0	
14	-EPZ	0619	6.0	
14	-EPZ	0701	4.0	
14	-EPZ	0821	47.2	
14	+EPZ	0827	9.2	
14	-EPZ	0847	15.4	#-2030
14	+EPcPZ	0847	23.8	#-2030
14	+EPZ	0908	16.8	
14	+IPZ	0927	27.2	#-2031
14	-EpPZ	0927	32.2	#-2031
14	+EPZ	0935	9.4	
14	+EPZ	1115	1.4	
14	-EPZ	1115	15.1	
14	-EPZ	1232	0.3	
14	+EPZ	1325	2.7	
14	+EXZ	1405	13.3	
14	-EPZ	1425	4.2	
14	+EPZ	1441	20.2	
14	+EPZ	1510	34.0	
14	+EPZ	1510	37.2	
14	+EPZ	1510	41.5	
14	+EPZ	1754	12.9	
14	-EPZ	1754	20.0	
14	-EPZ	1823	42.2	
14	+EPZ	1823	46.2	
14	+EPZ	1848	43.8	#-2032
14	+EPcPZ	1848	45.0	#-2032
14	+EPZ	2024	31.8	
14	-EPZ	2024	34.0	
14	+IPZ	2038	5.1	
14	+EPZ	2310	24.7	
14	+EXZ	2310	35.5	#-2033
15	+EPZ	0002	9.1	
15	+EPZ	0223	25.8	
15	+EPZ	0232	27.6	
15	-EPZ	0319	35.2	
15	+EPZ	0427	6.0	#-2034
15	+EsPZ	0427	12.2	#-2034
15	+EpPKiKPZ	0904	22.7	#-2035
15	+EXZ	0928	6.7	#-2036
15	-EXZ	1133	9.3	#-2037
15	+EPZ	1202	53.2	
15	-EPZ	1348	31.8	
15	+EPZ	1419	12.5	
15	-EPZ	1419	17.3	
15	-EPZ	1433	21.6	
15	-EPZ	1823	25.8	
15	+EXZ	1844	56.0	#-2038
15	-EPcPZ	1845	0.0	
15	+EPZ	1901	55.2	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
15	-EPZ	2009	8.0	
15	+EPZ	2123	27.6	
15	+EPZ	2330	49.0	
15	-EPZ	2330	51.0	
16	+EPdiffZ	0008	21.9	#-2039
16	+EPKPdfZ	0011	49.5	#-2039
16	+EPKiKPZ	0012	52.0	#-2039
16	-EpPKPdfZ	0012	9.0	#-2039
16	-EPcPZ	0108	43.6	#-2040
16	-EPZ	0218	6.0	#-2041
16	-IpPZ	0218	7.2	#-2041
16	+EPZ	0224	21.0	
16	-EPZ	0224	34.2	
16	+EPZ	0315	29.0	
16	+IPZ	0315	30.2	
16	+EPZ	0335	11.8	
16	+EPZ	0421	5.4	
16	-EPZ	0429	19.7	
16	+EPZ	0448	31.4	
16	+EPZ	0817	3.2	
16	+EPZ	0847	6.0	#-2042
16	+EXZ	0847	18.6	#-2042
16	+EPZ	0937	40.9	#-2043
16	+EPZ	0940	0.7	
16	-EPZ	0940	4.0	
16	-EPZ	1139	50.4	
16	-EPZ	1206	43.0	
16	+EPZ	1212	28.4	
16	-IPZ	1212	51.0	
16	+EPZ	1212	49.4	
16	-IPZ	1212	51.0	
16	-EPZ	1417	35.0	
16	+EPZ	1451	9.8	
16	+IPZ	1721	30.0	#-2044
16	-EPcPZ	1721	32.4	#-2044
16	+EPZ	1855	25.9	
16	+EPZ	2049	19.6	
16	+EPZ	2049	24.0	
16	-EPZ	2206	14.6	
16	-EsPZ	2248	38.4	#-2045
16	+EPcPZ	2248	52.0	#-2045
17	+EPZ	0324	8.9	
17	+EPZ	0350	19.2	
17	-EPZ	0613	35.4	
17	+EPZ	0917	2.9	
17	-IPZ	0937	30.2	#-2046
17	+IXZ	0937	39.6	#-2046
17	-EPZ	1503	26.0	#-2047
17	+IPcPZ	1503	27.6	#-2047
17	+EpPZ	1504	15.0	#-2047
17	+EPZ	1612	16.2	
17	+EPZ	1612	18.4	
17	-IPZ	1612	24.0	
17	+EPZ	1801	14.6	
17	+EPPZ	1801	25.4	#-2048
17	-EPZ	2003	4.0	
17	+EPZ	2003	14.4	
17	+EPZ	2003	16.3	
17	+EPZ	2114	15.4	
17	-EPZ	2216	14.0	
17	+EPZ	2216	16.6	
17	-EPZ	2224	16.0	
17	+EPZ	2311	40.4	
17	-IPZ	2311	42.6	
17	+EPZ	2349	39.0	
18	+EPZ	0013	33.0	
18	-EPZ	0013	37.0	
18	-EPZ	0119	33.2	
18	-EPZ	0218	14.4	
18	-EPZ	0218	19.0	
18	+EPZ	0302	29.0	
18	-EPZ	0351	44.0	
18	+EPZ	0451	8.4	
18	+EPZ	0509	5.4	
18	-EPZ	0509	8.4	
18	+EpPZ	0814	30.2	#-2049

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
18	+EsPZ	0814	37.2	#-2049
18	-EPZ	0952	28.6	#-2050
18	-IpPZ	0952	32.0	#-2050
18	+EPZ	1103	6.4	
18	+EPZ	1219	56.2	#-2051
18	+EpPZ	1220	30.2	#-2051
18	ESH	1224	39.0	#-2051
18	+EPZ	1412	10.0	#-2052
18	+EPZ	1728	54.2	#-2053
18	+IPZ	1728	55.9	#-2053
18	+IpPZ	1728	58.4	#-2053
18	+IsPZ	1729	0.3	#-2053
18	+EPZ	1736	38.4	#-2054
18	+EPPZ	1739	53.4	#-2054
18	+EPZ	1837	50.0	
18	+EPZ	1928	23.2	
18	+EPZ	1928	31.3	
18	-EPZ	1956	14.4	
18	+EPZ	2341	20.6	
19	-EPZ	0026	10.0	
19	+EPZ	0026	16.6	
19	+EPZ	0215	7.4	
19	-EPZ	0424	0.4	
19	-EsPZ	0545	47.0	#-2055
19	-EPZ	0740	11.0	
19	+IPZ	0944	9.0	#-2056
19	+EpPZ	0946	18.3	#-2056
19	-EPZ	1050	36.0	
19	-EPZ	1050	38.4	
19	+EPZ	1159	51.0	
19	-EPZ	1159	54.0	
19	-EPZ	1335	1.2	
19	+EPZ	1335	24.0	
19	-EPZ	1418	33.0	
19	-IPZ	1817	32.2	#-2057
19	+EpPZ	1818	4.4	#-2057
19	+EPcPZ	1818	16.6	#-2057
19	+EPPZ	1832	28.8	#-2058
19	+EXZ	1832	43.7	#-2058
19	+EPZ	1910	55.0	
19	-EpPZ	1952	1.0	#-2059
19	+EXZ	1955	42.6	#-2059
19	+EpPZ	2004	30.8	
19	+EXZ	2019	27.3	#-2060
19	+EPcPZ	2019	29.0	#-2060
19	-EpPZ	2019	31.3	#-2060
19	+EPcPZ	2121	24.0	#-2061
19	+EPZ	2215	4.1	
19	+EPZ	2215	9.2	
19	+EPZ	2222	51.0	
19	-EPZ	2222	54.9	
19	-EPZ	2258	43.5	#-2062
19	+EsPZ	2258	51.2	#-2062
20	-EPZ	0004	4.8	#-2063
20	-EPZ	0009	24.4	#-2064
20	+EsPZ	0009	31.3	#-2064
20	+EsPZ	0012	20.8	#-2065
20	-EPZ	0226	13.8	
20	-EPZ	0226	15.0	
20	-EPZ	0226	17.0	
20	-EPZ	0234	20.3	
20	+EPZ	0319	25.6	
20	+EPZ	0338	20.0	
20	+EPZ	0338	21.6	
20	-EPZ	0517	44.0	
20	-EPZ	0517	48.1	
20	+EPZ	0535	47.1	
20	-IPZ	0640	36.0	#-2066
20	+EpPZ	0640	43.2	#-2066
20	+EPZ	0804	2.6	
20	-EPZ	0804	5.7	
20	-EPZ	0806	50.0	#-2067
20	+EpPZ	0806	52.0	#-2067
20	+EPPZ	0808	28.8	#-2067
20	-IPZ	1028	40.2	
20	+EPZ	1222	17.1	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
20	-EPZ	1223	0.0	
20	-EPZ	1223	6.4	
20	+EPcPZ	1328	39.6	#-2068
20	-EpPZ	1328	57.0	#-2068
20	+EPcPZ	1335	44.0	#-2069
20	+EPZ	1435	26.8	
20	-EPZ	1435	29.2	
20	+IPZ	1453	57.7	
20	+EPZ	1503	3.4	
20	+EPcPZ	1506	20.9	#-2070
20	+EPZ	1543	18.0	
20	+EPZ	1543	20.0	
20	-EPZ	1545	49.0	#-2071
20	+EpPZ	1545	53.0	#-2071
20	+EPZ	1647	32.0	#-2072
20	-EsPZ	1647	37.6	#-2072
20	+EPZ	1719	9.5	
20	+EPZ	1719	15.6	
20	+EPZ	1902	34.3	
20	+EPZ	1929	17.1	
20	+EsPZ	1907	28.3	#-2073
20	-EpPdiffZ	1947	10.2	#-2074
20	+EPZ	2102	40.1	
20	+EPZ	2159	4.6	
20	-EPZ	2217	1.1	
21	+EPKPdfZ	0057	7.7	#-2075
21	+EsPKPdfZ	0057	14.0	#-2075
21	-EPZ	0105	3.3	
21	+IPZ	0125	1.3	
21	+EPZ	0312	22.3	
21	+EPZ	0312	26.0	
21	+EPZ	0332	2.0	
21	+EPZ	0553	11.0	
21	+EPZ	0553	24.6	
21	+IPZ	0833	57.0	#-2076
21	+EXZ	0834	10.0	#-2076
21	+EPZ	0852	10.2	
21	+EPZ	0852	15.5	
21	-EpPiKPZ	0856	12.4	#-2077
21	-EPZ	0939	7.4	
21	-EPZ	0939	9.4	
21	+EPZ	0953	28.0	
21	+EPZ	1052	18.4	
21	+EPZ	1052	20.0	
21	-EXZ	1325	48.9	#-2078
21	+EPZ	1352	27.0	
21	+EPZ	1352	32.3	
21	-EPZ	1426	0.1	
21	+EPZ	1426	5.0	
21	+IPZ	1445	21.6	#-2079
21	-EpPZ	1445	23.6	#-2079
21	+EPZ	1524	31.8	#-2080
21	-EpPZ	1524	43.0	#-2080
21	+EPZ	1557	41.2	#-2081
21	+EpPZ	1557	45.8	#-2081
21	+EPZ	1726	25.0	
21	+IPZ	1726	27.4	
21	-EPZ	1734	36.1	
21	-EPZ	1734	38.0	
21	+EPZ	1932	0.2	
21	-EPZ	2117	31.4	
21	+EPZ	2220	37.1	
21	+IPZ	2309	17.6	#-2082
21	-IpPZ	2309	20.0	#-2082
21	+IsPZ	2309	22.0	#-2082
21	-EPZ	2321	55.0	#-2083
21	-EPZ	2321	57.7	#-2083
21	-EsPZ	2322	0.4	#-2083
22	-EPZ	0031	51.0	
22	-EPZ	0031	53.2	
22	-EPZ	0032	0.5	
22	+EPKPdfZ	0033	51.4	#-2084
22	-EPKiKPZ	0033	54.5	#-2084
22	+EPZ	0139	3.0	
22	+EPZ	0139	16.0	
22	+EPZ	0409	1.6	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
22	+EPZ	0417	45.2	
22	+EPZ	0426	20.0	
22	-EPZ	0426	25.6	
22	+EPZ	0758	15.6	
22	-EPZ	0758	22.2	
22	+EPZ	0805	18.2	
22	+EPZ	0924	18.0	
22	+EPZ	0924	25.8	
22	+EPZ	0947	6.2	
22	+EXZ	1036	18.4	#-2085
22	+EXZ	1036	41.6	#-2085
22	+EPZ	1048	19.8	#-2086
22	+EPZ	1119	14.4	
22	+EPZ	1119	19.9	
22	-EXZ	1222	35.0	#-2087
22	-EpPZ	1222	38.9	#-2087
22	-EsPZ	1222	42.9	#-2087
22	-EpPZ	1244	50.0	#-2088
22	-EsPZ	1244	52.5	#-2088
22	-EPZ	1319	29.8	
22	+EPZ	1336	7.6	
22	+EPZ	1338	20.0	#-2089
22	+EpPZ	1338	24.8	#-2089
22	+EPZ	1414	34.5	
22	+EPZ	1414	39.9	
22	-EPZ	1535	11.4	
22	-EPZ	1535	21.8	
22	-IPZ	1621	40.7	
22	+EPZ	1621	47.8	
22	-EsPZ	2029	19.9	#-2090
22	+EPZ	2043	2.6	
22	+EPZ	2043	3.6	
22	+EPZ	2043	6.1	
22	-EPZ	2211	31.7	
22	+EPZ	2211	37.9	
23	+EPZ	0032	23.2	#-2091
23	+IpPZ	0032	52.6	#-2091
23	-EPZ	0228	28.2	#-2092
23	-EPcPZ	0228	30.0	#-2092
23	+EXZ	0228	53.9	#-2092
23	+EPZ	0302	4.4	
23	+EPZ	0315	17.3	
23	-EPZ	0315	19.2	
23	-EPZ	0419	16.2	
23	-EXZ	0605	44.0	#-2093
23	+EPZ	0618	39.4	
23	-EPZ	0712	10.4	#-2094
23	+EPZ	0732	53.4	
23	-IPZ	0732	55.5	
23	-EPZ	0902	0.2	
23	+EPZ	0902	2.1	
23	+EPZ	0954	0.8	
23	+IPZ	1003	18.4	#-2095
23	+EPcPZ	1003	22.2	#-2095
23	-IXZ	1003	50.3	#-2095
23	+EPZ	1009	43.0	#-2096
23	-EsPZ	1010	19.2	#-2096
23	+EPPZ	1013	24.4	#-2096
23	-EPZ	1049	18.8	
23	-EPZ	1049	22.2	
23	-IPZ	1230	1.8	#-2097
23	-IpPZ	1230	13.4	#-2097
23	+EPPZ	1232	46.0	#-2097
23	ESH	1239	29.4	#-2097
23	+EPZ	1650	19.9	
23	+EXZ	1650	23.8	#-2098
23	-EPZ	1954	8.2	#-2099
23	-EPcPZ	1954	14.6	#-2099
23	+EPZ	2018	32.4	
23	+EPZ	2018	40.2	
23	-IPZ	2143	41.2	
23	+EPZ	2144	5.2	
23	+EPZ	2214	6.6	
23	+EPZ	2244	1.0	
23	+EPZ	2349	36.1	#-2100
23	+EpPZ	2349	40.8	#-2100

Table 1. Continued.

Date	Phase	Time H	Time M	S	Remarks
23	+IPcPZ	23	50	4.4	#-2100
23	-EPZ	02	36	41.6	#-2101
23	+EPcPZ	02	36	44.6	#-2101
23	+EPZ	03	29	15.8	
23	+EPZ	04	16	28.3	
23	-EPZ	06	19	42.0	
23	+EPZ	07	27	20.2	#-2102
23	+EpPZ	07	27	27.3	#-2102
23	+EsZP	07	27	33.5	#-2102
23	-EPZ	07	52	12.0	
23	-EPZ	08	06	21.6	
23	-EPZ	08	06	25.1	
23	+EPZ	08	24	0.6	
23	+EPZ	08	24	5.4	
23	-EPZ	09	22	18.0	
23	+EPZ	09	22	21.8	
24	+EpPZ	11	31	22.7	#-2103
24	-EPZ	12	52	28.2	#-2104
24	+EpPZ	12	52	35.4	#-2104
24	+EPZ	16	01	3.6	
24	+EPZ	18	27	35.4	#-2105
24	+EPcPZ	18	27	39.7	#-2105
24	+EPZ	21	07	18.2	
24	-IPZ	21	56	27.4	
24	+EPZ	23	56	43.8	
24	-EPZ	23	56	46.0	
25	+EXZ	02	08	14.0	#-2106
25	+EPZ	03	02	37.7	
25	+EPZ	08	16	39.0	
25	+EPZ	08	16	40.6	
25	-EPZ	09	29	5.1	
25	+EPZ	10	07	41.1	
25	-EPZ	13	24	27.5	
25	+EPZ	13	51	22.0	
25	-EpPZ	17	16	3.2	#-2107
25	-EsPZ	17	16	6.0	#-2107
25	+EPZ	18	07	17.8	
25	+EPZ	18	07	21.1	
25	-EPZ	18	14	14.4	
25	+EPZ	18	14	47.4	
25	-EPZ	18	54	3.0	#-2108
25	+EsPZ	18	54	19.0	#-2108
25	+EXZ	21	02	25.0	#-2109
25	+EpPZ	21	25	17.0	
25	-EPZ	21	58	19.0	
25	+EPZ	22	55	18.1	#-2110
25	+EpPZ	22	55	24.2	#-2110
26	+EXZ	03	04	47.8	#-2111
26	+EPcPZ	03	11	25.4	#-2112
26	-EPZ	03	12	18.3	
26	+EPZ	05	41	20.6	
26	-EPZ	06	16	15.0	
26	-EPZ	09	08	16.0	#-2113
26	-EXZ	09	08	24.0	#-2113
26	-EPZ	09	19	0.4	#-2114
26	+EpPZ	09	19	10.0	#-2114
26	+EsPZ	09	19	14.2	#-2114
26	+EPcPZ	09	19	17.6	#-2114
26	+EPcPZ	10	58	9.0	#-2115
26	+IpPZ	10	58	42.4	#-2115
26	+EPPZ	11	01	38.0	#-2115
26	+EPZ	12	26	30.2	#-2116
26	-EXZ	12	26	39.4	#-2116
26	+EPZ	12	32	21.6	
26	+EPZ	14	05	5.6	
26	+EPZ	14	05	19.7	
26	+EPZ	14	13	55.0	
26	+EPZ	15	15	36.0	
26	-EPZ	15	15	38.3	
26	+EPZ	15	19	9.2	
26	+EPZ	16	21	3.6	
26	+EPZ	16	21	10.0	
26	+EPZ	16	37	5.2	
26	+EPZ	17	06	0.6	
26	-EPZ	17	06	2.2	
26	+EPZ	18	26	22.3	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
26	+EPZ	1918	4.0	
26	-EPZ	1918	8.4	
26	-EPZ	1950	2.2	
26	+EPZ	1950	9.4	
26	-EPZ	2000	45.0	#-2117
26	+EpPZ	2001	3.4	#-2117
26	-EsPZ	2001	9.4	#-2117
26	+EPZ	2144	13.6	
26	+EPZ	2144	18.9	
26	-EPZ	2149	36.2	
26	+EPZ	2219	51.6	#-2118
26	+EpPZ	2219	55.2	#-2118
26	+EPZ	2253	0.4	
26	+EPZ	2253	2.0	
26	+EPZ	2313	7.6	
26	-EPZ	2313	12.6	
27	-EXZ	0015	10.2	#-2119
27	+EPZ	0845	40.2	#-2120
27	+EPcPZ	0845	41.2	#-2120
27	+EPdiffZ	0847	51.5	#-2121
27	-EpPZ	0848	4.6	#-2121
27	+EPZ	0917	5.6	
27	+EPZ	0918	26.7	#-2122
27	+EsPZ	0918	36.4	#-2122
27	+EPZ	1013	14.1	
27	+EpPKPdfZ	1014	6.4	#-2123
27	-EsPKPdfZ	1014	12.2	#-2123
27	-EPZ	1048	44.0	
27	+EPZ	1048	46.3	
27	+IPZ	1324	28.8	#-2124
27	+IPcPZ	1324	29.8	#-2124
27	+IpPZ	1325	4.4	#-2124
27	-EPZ	1327	42.8	
27	+EPZ	1327	47.0	
27	+EPZ	1704	33.9	
27	-EPZ	1704	43.3	
27	+EPZ	1753	10.0	
27	+EPZ	2222	27.7	
28	+EPZ	0107	44.0	
28	+EPZ	0328	48.0	#-2125
28	-EpPZ	0328	50.6	#-2125
28	-IsPZ	0328	51.6	#-2125
28	-EPZ	0642	7.4	
28	-EPZ	0642	15.4	
28	-EXZ	0715	36.9	#-2126
28	+EPZ	0723	1.0	
28	+IPZ	1048	57.1	
28	-EPZ	1201	16.6	#-2127
28	+EpPZ	1203	7.0	#-2127
28	+EPZ	1335	24.1	
28	-EPZ	1514	10.4	
28	-EPZ	1319	51.4	#-2128
28	+EpPZ	1319	54.6	#-2128
28	-EPnPnZ	1321	4.6	#-2128
28	+EPnPnZ	1321	6.5	#-2128
28	-EPnPnZ	1321	8.0	#-2128
28	+EPZ	2045	21.9	
28	-EPZ	2312	20.5	
29	-EPZ	0035	9.2	
29	+EPZ	0417	4.6	
29	+EPZ	0733	8.4	
29	+EPZ	0733	21.1	
29	-IPZ	0918	48.7	
29	+EPZ	1345	56.0	
29	+EPZ	1641	0.8	
29	+IPZ	2127	50.0	#-2129
29	-EXZ	2128	6.0	#-2129
29	-EXZ	2132	38.0	#-2129
29	+EPZ	2140	39.9	
30	+EPZ	0013	36.8	
30	-EPZ	0501	9.9	
30	+IPZ	0501	16.5	
30	+EPZ	0806	39.4	
30	+EPZ	0806	43.8	
30	+EPZ	1016	33.1	
30	+IPZ	1222	43.8	#-2130

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
30	-IPcPZ	1222		49.4	#-2130
30	ESH	1231		57.8	#-2130
30	-EPZ	1445		57.2	#-2131
30	+EPcPZ	1446		0.8	#-2131
30	-EPZ	1601		29.6	#-2132
30	-IPnZ	1601		31.9	#-2132
30	-IPZ	1601		34.3	#-2132
30	-IPnPnZ	1601		46.4	#-2132
30	-EPZ	1917		23.4	
30	+EPZ	1917		31.0	
30	+EPZ	1917		41.2	
30	+EPZ	2249		33.0	#-2133
31	+EPZ	0105		19.8	
31	+IPZ	0105		21.4	
31	+EPPZ	0153		1.0	#-2134
31	+EPZ	1106		45.9	
31	-EPZ	1106		48.8	
31	+EPZ	1715		28.8	#-2135
31	+EpPZ	1715		30.6	#-2135
31	-IsPZ	1715		32.8	#-2135
31	+IPZ	1855		24.8	#-2136
31	+IpPZ	1855		28.0	#-2136
31	-EsPZ	1855		30.4	#-2136
31	+EPKiKPZ	2151		55.3	#-2137
31	-EpPKPdfZ	2151		56.2	#-2137
Nov. 1	-EPZ	0201		16.7	
1	-EPZ	0216		52.2	
1	-IPZ	0216		53.6	
1	+EPZ	0218		45.0	
1	-EPZ	0218		49.0	
1	+EPZ	0504		3.9	
1	+EPZ	1017		34.1	#-2138
1	+EpPZ	1017		38.0	#-2138
1	+EXZ	1017		42.4	#-2138
1	-EPPZ	1020		27.0	#-2138
1	+EpPZ	1037		37.2	#-2139
1	+EsPZ	1037		41.7	#-2139
1	-IPZ	1111		46.0	#-2140
1	+IpPZ	1111		47.3	#-2140
1	-IsPZ	1111		49.4	#-2140
1	-IPcPZ	1111		55.0	#-2140
1	ESH	1121		33.0	#-2140
1	-EPZ	1211		19.2	
1	+EPZ	1211		21.8	
1	-IPZ	1909		20.4	#-2141
1	ESH	1919		21.0	#-2141
1	-EPZ	1935		4.0	
1	+IPZ	1935		15.2	
1	+EPZ	2008		18.0	
1	-EPZ	2008		19.4	
1	+EPZ	2226		15.6	#-2142
1	+EPcPZ	2226		16.8	#-2142
1	ESH	2237		13.0	#-2142
2	+EPZ	0334		2.2	
2	+EPZ	0334		10.1	
2	+EPZ	0639		15.6	
2	+EPZ	0639		20.8	
2	+EPZ	0933		44.4	#-2143
2	+EpPZ	0933		49.2	#-2143
2	+EPZ	1016		10.4	
2	-EPZ	1016		13.8	
2	+EPZ	1155		9.3	
2	+EPZ	1333		0.5	#-2144
2	+EPcPZ	1333		12.0	#-2144
2	+EPZ	1416		43.2	#-2145
2	+EPZ	1441		11.6	
2	+EPZ	1441		14.2	
2	+EPZ	1523		50.8	
2	-EPcPZ	1523		53.0	
2	+EXZ	1622		20.4	#-2146
2	-EXZ	1622		25.0	#-2146
2	+EPZ	1701		6.2	
2	-EPZ	1701		13.8	
2	+EPZ	1701		17.6	
2	-EPZ	1724		54.2	#-2147
2	+IpPZ	1724		57.0	#-2147

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
2	-EPPZ	1726	29.0	#-2147
2	+EPnPnZ	1726	37.0	#-2147
2	-EPZ	1819	1.3	
2	-EPZ	1819	2.1	
2	+EPZ	1819	14.9	
2	+IPZ	1835	35.2	#-2148
2	+IXZ	1836	23.8	#-2148
2	-EPZ	2225	25.6	
2	+EPZ	2321	4.2	#-2149
2	+EPcPZ	2321	7.8	#-2149
2	-EsPZ	2321	22.2	#-2149
2	+EPZ	2328	37.0	
2	+EPZ	2328	38.2	
3	+EPZ	0046	5.8	
3	+EPZ	0046	7.6	
3	-EPZ	0046	22.8	
3	+EPZ	0055	0.2	
3	+EPZ	0055	1.1	
3	-EPZ	0055	4.2	
3	-EPZ	0224	6.2	
3	+EPZ	0233	24.0	
3	-EPZ	0233	26.2	
3	+EPZ	0349	0.4	
3	+EPZ	0349	6.9	
3	+EPZ	0524	33.9	
3	-EPZ	0524	36.2	
3	-EPZ	0607	8.6	
3	-EPZ	0624	0.4	
3	-EPcPZ	0730	59.0	#-2150
3	+IpPZ	0731	1.4	#-2150
3	+EpPKiKPZ	0736	4.2	#-2150
3	+EPcPZ	0802	5.0	#-2151
3	+EsPZ	0802	8.6	#-2151
3	-EPZ	0815	33.0	
3	+EPZ	0815	33.9	
3	+EPcPZ	0836	44.8	#-2152
3	+EpPZ	0836	46.1	#-2152
3	+EPZ	0839	54.8	#-2153
3	+EPcPZ	0839	57.3	#-2153
3	-EPZ	0855	15.4	#-2154
3	+IpPZ	0855	20.6	#-2154
3	+IPnPnZ	0856	32.6	#-2154
3	+EPZ	0908	9.4	#-2155
3	-EpPZ	0908	15.5	#-2155
3	+EsPZ	0908	20.1	#-2155
3	+EPZ	0935	43.6	#-2156
3	-EpPZ	0935	45.6	#-2156
3	+EPZ	0953	48.3	
3	-EPZ	0953	55.5	
3	-EPZ	0953	57.5	
3	-EPZ	1018	0.6	
3	+EPZ	1243	5.0	#-2157
3	-EPnPnZ	1244	20.2	#-2157
3	-EXZ	1321	4.8	#-2158
3	+EXZ	1321	13.0	#-2158
3	-EPZ	1819	52.9	
3	+EPZ	1948	23.2	
3	+EPZ	2120	25.4	
3	+EPZ	210	42.2	
4	-IPZ	0031	1.4	
4	-EPZ	0120	31.8	#-2159
4	+EPcPZ	0120	33.8	#-2159
4	+EpPZ	0122	9.6	#-2159
4	+EPZ	0126	35.8	
4	+EPZ	0409	40.4	
4	+EPZ	0409	45.2	
4	+EPZ	0423	13.8	
4	-EPZ	0423	16.6	
4	-IPZ	0431	45.0	#-2160
4	-IPcPZ	0431	46.4	#-2160
4	+EXZ	0432	16.4	#-2160
4	+EXZ	0432	30.1	#-2160
4	+EPZ	0517	1.4	
4	+EPZ	0517	4.6	
4	+EPZ	1016	18.8	
4	+EPZ	1046	18.6	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
4	+EPZ	1046	19.6	
4	-IPZ	1046	21.4	
4	+EPZ	1139	35.8	
4	+EsPZ	1139	40.2	
4	+EPZ	1320	7.0	
4	+EPZ	1320	20.4	
4	-EPZ	1427	1.2	
4	+IPZ	1427	2.6	
4	-EPZ	1427	4.0	
4	+EPZ	1442	7.6	
4	-EPZ	1704	37.0	#-2161
4	-EpPZ	1704	42.7	#-2161
4	+IPZ	1832	25.0	#-2162
4	-IXZ	1832	30.3	#-2162
4	ESH	1841	49.0	#-2162
4	+EPZ	2021	28.3	
4	-EPZ	2024	34.6	
4	+EPZ	2025	0.4	
4	+EPZ	2025	4.3	
4	+EPZ	2033	30.0	
4	+EXZ	2243	31.0	#-2163
4	-EXZ	2243	36.7	#-2163
4	-EPZ	2303	13.7	
5	+EPZ	0332	1.5	
5	-EPZ	0417	1.2	
5	+EPZ	0447	53.6	
5	-EPZ	0503	14.0	
5	+EPZ	0503	28.0	
5	+EPZ	0507	1.2	
5	-EPZ	0507	9.4	
5	+EPZ	0547	42.7	
5	+EPZ	0555	11.8	
5	-EPZ	0626	9.0	
5	+EPZ	0702	25.2	
5	-EPZ	0953	6.0	
5	+EPZ	1202	1.0	
5	+EPZ	1202	3.6	
5	-EPZ	1256	30.0	
5	-EPZ	1322	2.8	
5	+EPZ	1322	7.6	
5	-EPZ	1522	23.5	
5	-IPZ	1522	25.0	
5	+EPZ	1541	37.2	
5	+EPZ	1541	38.7	
5	+EPZ	1643	2.9	
5	+EpPZ	1826	20.0	#-2164
5	+EsPZ	1826	22.0	#-2164
5	+EPZ	2006	19.4	
5	+EPZ	2006	30.7	
5	+EPZ	2034	0.0	
5	-EPZ	2034	5.4	
5	+IPZ	2341	38.0	#-2165
5	+EPcPZ	2341	41.3	#-2165
5	-EpPZ	2342	1.8	#-2165
6	+EPZ	0103	20.9	
6	+EPZ	0204	26.7	
6	-EPZ	0248	3.2	
6	-EPZ	0322	35.8	
6	+EPZ	0415	19.0	
6	-EPZ	0810	5.1	
6	+IPZ	0810	9.1	
6	+EPZ	0840	14.0	
6	+EPZ	0840	23.7	
6	-EPZ	1036	1.2	
6	-EPZ	1036	4.6	
6	+EPZ	1036	12.3	
6	+EPZ	1113	24.8	
6	+EPZ	1123	16.7	
6	+EPZ	1305	58.4	
6	-EPZ	1515	42.0	
6	-EPZ	1558	53.6	#-2166
6	-EPcPZ	1558	55.6	#-2166
6	+EpPZ	1559	2.8	#-2166
6	+EPZ	1851	45.0	
6	-IPZ	1851	47.0	
6	+EPZ	2038	38.3	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
6	+EPZ	2038	42.7	
7	+EPZ	0033	5.1	#-2167
7	+IPcPZ	0033	12.7	#-2167
7	+IpPZ	0033	19.4	#-2167
7	+EXZ	0218	28.0	#-2168
7	+EPPZ	0219	3.6	#-2168
7	+EPZ	0233	0.6	
7	+IPZ	0233	37.0	#-2169
7	+EpPZ	0233	39.8	#-2169
7	-EsPZ	0233	42.2	#-2169
7	-IPZ	0346	51.6	#-2170
7	-IPcPZ	0346	52.1	#-2170
7	+IpPZ	0347	8.6	#-2170
7	-IsPZ	0347	13.4	#-2170
7	ESH	0357	42.0	#-2170
7	+EPZ	0418	49.8	
7	+EPZ	0418	52.0	
7	+EPZ	0656	44.8	#-2171
7	-EsPZ	0657	8.8	#-2171
7	-EXZ	0657	15.0	#-2171
7	-EPdiffZ	0728	4.4	#-2172
7	-EPKPdfZ	0730	50.0	#-2172
7	+EPKiKP	0730	54.6	#-2172
7	+EPdiffZ	0755	57.1	#-2173
7	+IpPdiffZ	0756	1.8	#-2173
7	+EsPdiffZ	0756	4.2	#-2173
7	+EPZ	0806	35.2	#-2174
7	+IsPZ	0806	39.6	#-2174
7	+EPZ	0822	2.2	
7	-IPZ	0822	5.1	
7	+EPZ	0910	21.0	
7	-EPZ	0910	28.6	
7	-EPZ	0921	19.4	
7	+EPZ	1415	0.6	
7	+EPZ	1415	4.6	
7	-EPZ	1415	27.1	
7	+EPZ	1524	15.9	
7	-EPZ	1524	21.0	
7	+EPZ	1611	18.3	
7	-EXZ	1747	46.0	#-2175
7	+EXZ	1748	5.0	#-2175
7	+EPZ	1819	25.0	
8	-EXZ	0013	23.0	
8	-EXZ	0013	34.0	
8	+IPZ	0014	9.7	
8	-EPZ	0043	11.2	
8	+EPZ	0043	15.9	
8	+IPZ	0509	40.7	
8	-EPZ	0509	43.3	
8	-EPZ	0517	44.0	
8	+EPZ	0517	50.2	
8	+EPZ	0705	51.5	
8	-EPZ	0705	53.4	
8	+IPZ	0706	0.6	
8	-EPZ	0706	53.6	
8	+EPZ	0708	45.8	#-2176
8	+EPZ	0823	0.9	
8	-IPZ	0823	6.0	
8	+EPZ	0912	28.0	
8	-EPZ	0912	30.0	
8	+EPZ	1017	3.6	
8	-EPZ	1255	46.8	#-2177
8	+EPZ	1310	4.9	
8	+EPZ	1310	11.0	
8	-EPZ	1620	36.0	#-2178
8	+IPcPZ	1620	39.2	#-2178
8	+EPZ	1816	36.4	
8	+EPZ	2031	10.1	
8	-EPZ	2031	13.4	
8	+EPcPZ	2139	26.6	#-2179
8	-EXZ	2139	44.0	#-2179
8	-EPZ	2302	6.3	
8	+EXZ	2330	12.0	#-2180
8	+EXZ	2334	5.6	#-2180
9	+EPZ	0421	14.6	
9	+IPZ	0620	15.6	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
9	-IPZ	060	20.0	
9	+IPZ	0720	28.6	#-2181
9	-EpPZ	0720	32.1	#-2181
9	-IPZ	0721	7.0	
9	+EPZ	0728	21.3	
9	+EPZ	0731	43.8	#-2182
9	+EpPZ	0731	48.6	#-2182
9	+EsPZ	0735	20.1	#-2183
9	-EPZ	0808	20.0	
9	+EPZ	0808	31.5	
9	+EPZ	0808	33.4	
9	+IPZ	0901	41.0	
9	+EPZ	0926	48.6	
9	+EPZ	1017	47.0	#-2184
9	-EPcPZ	1017	52.2	#-2184
9	-EPZ	1219	19.6	
9	+IPZ	1219	20.3	
9	+EPZ	1227	14.5	
9	+EPZ	1314	1.9	
9	-IPPZ	1343	44.6	#-2185
9	+EPZ	1408	34.0	
9	-EPZ	1408	39.7	
9	+EPZ	1432	9.0	
9	+EPZ	1432	17.1	
9	+IPZ	1637	32.1	#-2186
9	-EPcPZ	1637	34.6	#-2186
9	ESH	1647	6.2	#-2186
9	+EPZ	1818	41.0	
9	+EPZ	1818	47.4	
9	-EXZ	2139	0.2	#-2187
9	+EPZ	2146	30.0	
9	+EPZ	2356	6.5	
10	-EPZ	0009	32.7	
10	-EPZ	0009	36.9	
10	+EPZ	0009	52.9	
10	-EsPZ	0248	0.0	#-2188
10	-EPZ	0247	44.6	#-2189
10	+EsPZ	0247	50.0	
10	+EPZ	0303	41.0	
10	+EPZ	0303	44.6	
10	+EPcPZ	0353	24.0	#-2190
10	+EXZ	0454	50.2	#-2191
10	-EPZ	0455	2.4	
10	+EPZ	0455	26.2	
10	+EPZ	0511	3.8	
10	+EPZ	0511	7.2	
10	-EPZ	0511	10.9	
10	+EPZ	0552	14.0	
10	+EPZ	0610	43.7	
10	+EPZ	0610	48.0	
10	+EPZ	0611	13.2	
10	+EPZ	0624	50.3	#-2192
10	-EpPZ	0625	3.0	#-2192
10	+EPZ	0710	25.2	
10	+EPZ	0710	27.4	
10	-EPZ	0833	0.5	
10	+EPZ	0833	4.7	
10	-EPZ	0919	21.2	#-2193
10	+EPcPZ	0919	40.6	#-2193
10	+EXZ	0919	49.0	#-2193
10	+EPZ	0950	11.6	
10	+EPZ	0950	19.3	
10	+IPZ	1016	39.0	#-2194
10	-IpPZ	1016	42.1	#-2194
10	+EPcPZ	1016	47.0	#-2194
10	ESH	1026	30.2	#-2194
10	+IPZ	1150	35.4	#-2195
10	+IPcPZ	1150	45.2	#-2195
10	+IXZ	1151	6.0	#-2195
10	ESH	1200	11.2	#-2195
10	+EPZ	1233	17.0	#-2196
10	+EXZ	1406	13.6	#-2197
10	+EXZ	1406	18.3	#-2197
10	+EPZ	1421	0.6	
10	+EPZ	1534	22.5	#-2198
10	+EXZ	1534	33.4	#-2198

Table 1. Continued.

Date	Phase	Time H	Time M	Time S	Remarks
10	-EPZ	21	49	51.8	#-2199
10	+IpPZ	21	50	0.0	#-2199
10	ESH	21	59	39.4	#-2199
10	+EPZ	22	35	9.0	
10	+IPZ	22	35	11.4	
10	+IPZ	22	35	14.2	
10	+EPZ	22	58	16.0	
10	-EPZ	23	55	43.6	#-2200
10	-EpPZ	23	55	52.0	#-2200
10	+EPZ	23	57	5.8	
11	-EPZ	03	10	50.6	
11	-EPZ	03	11	5.8	
11	-EpPZ	03	31	27.5	#-2201
11	+EsPZ	03	11	30.9	#-2201
11	+EPcPZ	03	31	58.1	#-2201
11	+EPZ	05	17	19.4	#-2202
11	-EPZ	07	05	44.0	
11	+EPZ	08	02	45.0	#-2203
11	-EpPZ	08	02	47.6	#-2203
11	+EPZ	08	17	12.6	#-2204
11	+EPZ	09	08	44.0	
11	+EPZ	10	10	46.2	
11	-EPZ	11	04	36.6	
11	+EPZ	11	04	39.7	
11	-EPZ	12	06	15.5	
11	-EPZ	12	06	24.0	
11	+EXZ	14	53	19.8	#-2205
11	-EXZ	14	53	34.6	#-2205
11	+EXZ	16	31	29.1	#-2206
11	+EpPZ	16	31	46.1	#-2206
11	-EPcPZ	19	45	19.4	#-2207
11	+EPZ	20	51	7.4	
11	+EPZ	20	51	13.4	
11	-EPZ	21	34	34.6	#-2208
11	+EPcPZ	21	34	38.8	#-2208
11	+EPZ	22	08	0.1	
12	-EPZ	02	39	28.2	
12	+EPZ	02	39	31.4	
12	+EpPZ	06	25	13.8	#-2209
12	+EPZ	06	52	55.2	
12	+EPZ	07	23	22.0	
12	+EPZ	07	23	23.8	
12	+EPZ	07	28	25.0	
12	+EPZ	10	05	18.4	
12	-EPZ	10	05	22.0	
12	-IPZ	10	05	26.2	
12	+EPZ	10	20	41.6	
12	+EPZ	10	20	44.2	
12	-EPZ	10	47	1.0	
12	-EPZ	10	47	4.8	
12	-EPZ	14	15	27.8	
12	+EPZ	15	02	17.0	
12	+EPZ	15	03	3.1	
12	+EPZ	19	33	7.1	
12	-EPZ	19	33	20.0	
12	-EpPZ	20	12	3.4	#-2210
12	+EPZ	22	20	24.0	
12	+EPZ	22	20	29.4	
12	-EPZ	22	20	42.8	
12	+IPZ	23	00	53.8	
12	-EPZ	23	31	1.4	
12	+EPZ	23	31	16.3	
13	+EPZ	01	37	56.6	
13	-EPZ	01	37	57.9	
13	-EPZ	01	38	0.6	
13	+EPZ	02	44	55.1	#-2211
13	+EXZ	02	45	7.2	#-2211
13	+EPZ	03	55	23.0	
13	-EPZ	03	55	27.0	
13	-EPZ	06	27	35.0	
13	-EPZ	06	27	40.4	
13	+EPZ	06	40	19.1	
13	+EXZ	07	29	9.6	#-2212
13	+IXZ	10	37	10.6	#-2213
13	-IXZ	10	37	14.6	#-2213
13	-EPZ	10	55	22.2	#-2214

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
13	-EXZ	1055		43.6	#-2214
13	+IPZ	1233		18.3	#-2215
13	-IPcPZ	1233		22.4	#-2215
13	+IPZ	1234		1.4	
13	+EPZ	2114		17.0	#-2216
13	-EPZ	2114		25.0	#-2216
13	-IpPZ	2114		27.3	#-2216
14	-EPKPdfZ	0629		24.4	#-2217
14	+EpPKPbcZ	0629		40.4	#-2217
14	-EpPKPabZ	0629		43.0	#-2217
14	-IPZ	0630		2.0	
14	+EPZ	0806		3.6	
14	+EPZ	0806		16.2	
14	+EPKPabZ	1011		32.4	#-2218
14	+EpPKPbcZ	1011		41.0	#-2218
14	-EPZ	1404		32.0	
14	+EPZ	1404		35.2	
14	+EPZ	2021		51.2	#-2219
14	-EPZ	2209		4.8	
14	+EPZ	2209		24.6	
15	-EPZ	0031		20.0	#-2220
15	+IPcPZ	0031		22.0	#-2220
15	-IpPZ	0031		34.0	#-2220
15	+EPZ	0058		15.6	#-2221
15	+EpPZ	0058		17.4	#-2221
15	+EPZ	0107		25.5	
15	-EPZ	0107		28.6	
15	-IPZ	0244		38.2	#-2222
15	-IPcPZ	0244		40.2	#-2222
15	ESH	0255		33.0	#-2222
15	+IXZ	0253		5.2	#-2223
15	-IsPZ	0253		16.0	#-2223
15	+IpPZ	0256		23.8	#-2224
15	-IPZ	0302		8.4	#-2225
15	+IPZ	0320		42.0	#-2226
15	+IPcPZ	0320		48.7	#-2226
15	+EPZ	0336		0.0	#-2227
15	+EPZ	0419		2.4	#-2228
15	+IPZ	0532		34.6	#-2229
15	-IPcPZ	0532		37.7	#-2229
15	-IpPZ	0533		9.8	#-2229
15	+EXZ	0600		49.0	#-2230
15	-EXZ	0600		57.4	#-2230
15	+EpPZ	0627		11.2	#-2231
15	+EPZ	0939		56.2	#-2232
15	-EpPZ	0940		7.1	#-2232
15	-EPZ	1000		55.6	#-2233
15	-IPcPZ	1000		57.2	#-2233
15	+EPZ	1051		6.0	#-2234
15	-EPZ	1125		0.4	#-2235
15	+EXZ	1125		10.0	#-2235
15	+EPZ	1146		33.0	
15	+IPZ	1146		36.1	
15	+EPZ	1909		13.0	#-2236
15	+EpPZ	1909		26.2	#-2236
15	-EsPZ	1909		31.2	#-2236
16	-EPZ	0043		36.4	
16	-EPZ	0119		15.1	
16	+EPZ	0207		25.9	
16	-EPZ	0207		28.0	
16	+EPZ	0221		35.3	
16	+EPZ	0221		38.6	
16	+EPZ	0528		10.2	
16	-EPZ	0528		21.8	
16	+EPZ	0611		47.0	
16	-EPZ	0611		51.9	
16	+EPZ	0613		0.5	#-2237
16	+EpPKiKPZ	1040		0.4	#-2238
16	+EXZ	1040		10.1	#-2238
16	+EPZ	1118		17.7	#-2239
16	+EPZ	1138		1.8	
16	+EPZ	1138		10.8	
16	-EPcPZ	1244		19.0	#-2240
16	+EXZ	1244		22.4	#-2240
16	+EPZ	1523		22.4	
16	-IPZ	1523		30.5	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
16	+EPZ	1532		29.4	
16	+EPZ	1532		36.8	
16	+EPZ	1621		0.9	
16	+EXZ	1842		44.6	#-2241
16	+EPZ	1843		9.1	
16	+EPZ	2028		17.9	#-2242
16	+IPcPZ	2028		20.2	#-2242
16	+EPZ	2055		24.8	
16	+EPZ	2206		31.8	
16	-EPZ	2206		34.0	
16	+EPZ	2206		45.1	
16	+IPZ	2244		28.6	#-2243
16	-IXZ	2244		40.2	#-2243
16	ESH	2253		32.2	#-2243
16	+EPZ	2310		19.8	
17	-EPZ	0021		8.8	
17	+EPZ	0044		23.4	#-2244
17	-IPZ	0118		55.3	#-2245
17	-IPcPZ	0118		58.3	#-2245
17	+IsPZ	0119		2.2	#-2245
17	ESH	0129		52.0	#-2245
17	+EPZ	0136		7.9	
17	+EPZ	0213		25.2	
17	+EPZ	0213		26.4	
17	+EPZ	0213		29.2	
17	+EPZ	0238		47.9	
17	-IPZ	0238		50.4	
17	+EXZ	0447		33.4	#-2246
17	-EXZ	0448		14.7	#-2246
17	+EPZ	0519		51.2	
17	-EPZ	0520		0.2	
17	+EPZ	0614		14.8	
17	-EPZ	0614		24.3	
17	-IPZ	0632		1.0	#-2247
17	-IPcPZ	0632		3.7	#-2247
17	+EpPZ	0634		15.4	#-2247
17	ESH	0641		39.6	#-2247
17	+EPZ	1138		24.7	#-2248
17	-IpPZ	1138		29.2	#-2248
17	+EPZ	1320		9.1	
17	+EPZ	1320		11.2	
17	+EPZ	1340		12.3	#-2249
17	+EpPZ	1340		20.2	#-2249
17	+EPZ	1421		43.6	
17	-IPZ	1657		49.4	#-2250
17	+IPZ	1657		51.0	#-2250
17	-IpPZ	1657		54.4	#-2250
17	+IPZ	1917		39.8	#-2251
17	+EPcPZ	1917		45.0	#-2251
17	+EPPZ	1920		55.2	#-2251
17	+EPZ	2109		6.4	
17	+EPZ	2109		16.1	
17	+EPZ	2109		20.2	
17	+EPZ	2138		0.6	
17	+EPZ	2229		2.4	
17	+EPZ	2229		15.2	
17	-EPZ	2324		1.0	
17	-EPZ	2324		6.2	
18	+EPZ	0148		39.8	
18	-EPZ	0148		46.6	
18	-EPZ	0149		1.0	
18	+EPZ	0308		29.4	
18	-EPZ	0308		39.7	
18	+IPZ	0338		14.5	#-2252
18	+EpPZ	0338		16.6	#-2252
18	+IXZ	0338		21.6	#-2252
18	+IPZ	0500		16.5	#-2253
18	+IPcPZ	0500		18.3	#-2253
18	+IpPZ	0500		24.4	#-2253
18	-EPcPZ	0509		11.1	#-2254
18	+EXZ	0509		17.3	#-2254
18	+EPZ	0516		13.0	#-2255
18	+IXZ	0516		21.6	#-2255
18	+EPZ	0532		12.0	
18	+EPZ	0619		0.8	#-2256
18	+EsPZ	0619		8.2	#-2256

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
18	+EPZ	0625	1.3	
18	+EPZ	0632	37.7	
18	+EPZ	0632	39.4	
18	+EPZ	0715	20.2	
18	-EPZ	0715	22.7	
18	+EPZ	0715	42.0	
18	+EPZ	0819	42.6	
18	+EPZ	0853	6.7	
18	-EPZ	0853	10.0	
18	-EpPdiffZ	0930	4.0	#-2257
18	+EPZ	1146	28.5	
18	+EPZ	1146	35.8	
18	+EPcPZ	1256	23.3	#-2258
18	+EXZ	1256	30.4	#-2258
18	+EPZ	1344	42.7	
18	+EPZ	1344	51.9	
18	+EPZ	1445	40.0	
18	+EPZ	1452	44.6	
18	-IPZ	1452	45.6	
18	+EPZ	1452	54.6	
18	-EPZ	1544	41.0	
18	-EPZ	1544	46.4	
18	+EPZ	1550	16.2	
18	-EPZ	1550	18.7	
18	+IPZ	1614	37.7	#-2259
18	-EpPZ	1614	40.0	#-2259
18	+EPZ	1638	11.0	
18	+EPZ	1638	25.8	
18	-EPZ	1709	33.4	
18	-EPZ	1709	37.7	
18	+EPZ	1709	50.6	
18	-EPZ	2345	24.4	#-2260
18	-EPnZ	2345	27.1	#-2260
18	-IpPZ	2345	30.6	#-2260
19	+EPZ	0025	19.0	
19	-EPZ	0025	23.2	
19	-EPZ	0151	28.0	
19	-EPZ	0152	11.2	
19	+EPZ	0152	19.2	
19	-EPZ	0308	26.0	#-2261
19	-EPcPZ	0308	35.0	#-2261
19	+EPZ	0316	47.8	#-2262
19	-EpPZ	0317	10.4	#-2262
19	+EPZ	0440	15.3	
19	+EPZ	0506	11.4	
19	-EPZ	0506	17.4	
19	+EPZ	0517	34.8	#-2263
19	-EsPZ	0517	41.8	#-2263
19	-EPZ	0518	5.4	#-2264
19	+EsPZ	0518	10.3	#-2264
19	-EPZ	0604	29.0	
19	-EPZ	0604	31.8	
19	-EPZ	0604	34.7	
19	+EPZ	0604	39.2	
19	+EpPZ	0652	7.4	#-2265
19	-EPZ	0758	17.4	
19	+EPZ	0847	1.8	
19	+EPZ	0847	7.9	
19	+EPZ	0932	39.8	
19	+EPZ	1132	19.2	
19	+EPZ	1132	27.6	
19	-EPZ	1300	4.8	
19	+EPZ	1300	17.4	
19	-EPZ	1430	10.2	#-2266
19	+EPZ	1511	14.0	
19	+EPZ	1511	23.3	
19	+EPZ	1621	52.6	
19	+EPZ	1848	16.8	#-2267
19	-EPZ	1918	57.5	
19	-EPZ	1919	15.3	
19	+EPZ	1955	12.5	
19	-EPZ	2022	5.2	
19	+IPZ	2022	9.2	
20	+EPZ	0153	52.7	#-2268
20	+EPcPZ	0153	54.8	#-2268
20	-EpPKPdfZ	0210	56.3	#-2269

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
20	+EPZ	0307	26.2	
20	+EPZ	0515	4.9	
20	+EPZ	0515	12.2	
20	-EPZ	0617	35.0	
20	-EPZ	0617	36.8	
20	+EPZ	0618	19.7	#-2270
20	-EPcPZ	0618	22.1	#-2270
20	-EPZ	0733	6.2	
20	-IPZ	0753	0.8	
20	+IPZ	0753	24.8	
20	-EPZ	0814	12.0	
20	+EPZ	0824	6.0	
20	+EPZ	0848	28.1	#-2271
20	-EPcPZ	0848	30.0	#-2271
20	+EPZ	1000	15.8	
20	+EPZ	1002	34.4	
20	+EPZ	1011	29.6	
20	+EPZ	1026	19.0	
20	-EPZ	1026	25.8	
20	-EPZ	1530	17.6	
20	+EPZ	1530	21.8	
20	-EPZ	1603	9.9	
20	-EPZ	1603	22.8	
20	-EPZ	1616	20.8	
20	+EPZ	1720	52.3	
20	+EPZ	1746	40.8	
20	-EPZ	1746	44.8	
20	+IPZ	1746	48.2	
20	-IPZ	2118	37.0	
20	-EPZ	2118	49.7	
21	+EPZ	0023	8.8	
21	+EPZ	0029	21.0	
21	+EPZ	0054	3.0	
21	-EPZ	0136	49.4	
21	-EPZ	0136	55.1	
21	+EPZ	0252	45.7	
21	+EPZ	0252	49.8	
21	+EXZ	0347	43.8	#-2272
21	+EXZ	0347	55.4	#-2272
21	+EPZ	0348	1.1	
21	-EPZ	0348	7.2	
21	+EPZ	0513	38.2	
21	+EPZ	0513	40.0	
21	+EPZ	0716	38.6	
21	-EPZ	0716	48.8	
21	-EPZ	0734	23.1	
21	+EPZ	0734	26.0	
21	+EPZ	0904	20.4	
21	-IPZ	1023	19.4	#-2273
21	-IPcPZ	1023	20.5	#-2273
21	-IpPZ	1023	31.4	#-2273
21	ESH	1034	14.4	#-2273
21	-EPZ	1407	32.0	
21	-EPZ	1407	34.0	
21	-EPZ	1548	34.2	
21	+EPZ	1548	40.0	
21	-IPZ	1848	2.6	
21	-EPZ	1848	5.7	
21	-EPZ	1913	13.2	
21	-EPZ	1913	27.6	
21	+IPZ	1913	56.4	
21	+IPZ	1914	19.6	
22	-IPZ	0431	13.6	#-2274
22	-IPcPZ	0431	15.6	#-2274
22	+EPcPZ	0447	26.0	#-2275
22	+EPZ	0616	48.9	
22	-EPZ	0617	1.1	
22	+EPZ	0617	41.9	
22	-EPZ	0636	48.8	
22	-EPZ	0637	1.2	
22	+EPZ	0637	18.2	
22	+EPZ	0645	9.0	
22	-EPZ	0645	28.3	
22	-EpPZ	0702	55.4	#-2276
22	-IsPZ	0702	58.1	#-2276
22	+EPZ	0717	3.1	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
22	-EPZ	0720	3.6	
22	+EPZ	0736	19.2	
22	-IPZ	0736	20.2	
22	+EPZ	0822	1.0	
22	-EPZ	0822	4.2	
22	+EPZ	0856	36.3	#-2277
22	-IPcPZ	0856	37.8	#-2277
22	+EpPZ	0857	12.8	#-2277
22	+EPZ	0929	13.6	
22	+EPZ	0929	17.5	
22	+EPZ	0953	35.1	
22	+EPZ	1232	27.0	
22	+EPZ	1232	31.4	
22	+EPZ	1253	29.6	
22	-IPKiKPZ	1327	23.4	#-2278
22	+EPZ	1412	7.4	
22	-EPZ	1412	14.6	
22	-EPZ	1432	16.4	
22	+EPZ	1503	36.2	
22	+EPZ	1503	40.1	
22	+IPZ	1503	46.6	
22	+EPZ	1546	50.2	
22	+EPZ	1547	4.8	
22	+EPZ	1547	15.0	
22	+IPZ	1641	11.0	#-2279
22	+IpPZ	1641	14.6	#-2279
22	-IsPZ	1641	15.8	#-2279
22	-EPZ	1753	0.0	
22	+EPZ	1911	50.6	
22	+IPZ	1911	52.6	
22	-EXZ	1932	50.2	#-2280
22	+EPKiKPZ	1932	54.3	#-2280
22	+EPZ	1942	21.0	
22	+EPZ	1942	25.0	
22	+EPZ	2120	3.3	
22	+EPZ	2120	14.6	
22	+EPZ	2226	31.7	
22	+EPZ	2226	36.0	

Date	Phase	Time H M	S	Remarks
23	-EPZ	0006	18.5	
23	-IPZ	0006	21.4	
23	-EPZ	0209	5.3	
23	-EPZ	0552	32.4	
23	-EPZ	0612	0.2	
23	-EPZ	0612	9.3	
23	-EPZ	0852	0.4	
23	-EPZ	0852	10.8	
23	-EPZ	0906	8.4	
23	-EPKiKPZ	1121	26.4	#-2281
23	+EPKPabZ	1121	39.3	#-2281
23	+EXZ	1148	6.4	#-2282
23	-EXZ	1148	9.4	#-2282
23	+EPZ	1201	19.8	
23	+EPZ	1349	30.0	
23	+EPZ	1419	43.6	
23	+EPZ	1419	46.2	
23	-EPZ	1910	36.7	
23	+EPcPZ	1910	39.3	
23	+EPZ	2235	5.2	
23	+EPZ	2235	29.6	
23	-EPZ	2307	15.4	
23	+IPZ	2307	17.6	
24	-EPZ	0243	29.6	
24	+EPZ	0333	36.3	
24	+EPZ	0430	28.3	#-2283
24	+EPcPZ	0430	29.9	#-2283
24	+EPZ	0516	24.2	
24	-EPZ	0516	25.6	
24	-EPZ	0544	54.7	
24	-EPZ	0544	56.8	
24	+EPZ	0606	16.0	
24	+EPZ	0606	19.4	
24	+EPZ	0636	9.7	
24	+EPZ	0806	39.5	
24	+EPZ	0826	9.1	
24	-EPZ	0826	14.6	
24	-EPZ	0831	12.8	

Table 1. Continued.

Date	Phase	Time H M	S	Remarks
24	+EPZ	0831	16.4	
24	-EPZ	0839	48.6	
24	-IPZ	0839	51.0	
24	-EPKPdfZ	0922	55.6	#-2284
24	-EpPKiKPZ	0923	2.0	#-2284
24	-EPZ	1517	5.8	
24	+EPZ	1517	8.2	
24	+EPZ	1542	20.8	#-2285
24	-EpPZ	1542	34.7	#-2285
24	+EPZ	1736	2.4	
24	-EPZ	1736	6.2	
24	+EPZ	1748	37.8	
24	+EPZ	1748	40.6	
24	+EPZ	1810	18.6	
24	-EPZ	1810	21.0	
24	+EPZ	1929	12.9	
24	-EPZ	1929	15.4	
24	-IXZ	2115	12.0	#-2286
24	-IPcPZ	2115	14.8	#-2286
24	+IpPZ	2115	57.4	#-2286
24	-EPZ	2214	46.6	
24	+EPZ	2214	47.3	
24	+EPZ	2214	53.4	
24	-EPcPZ	2233	43.1	
24	+EPZ	2240	0.0	#-2287
24	+EXZ	2240	24.4	#-2287
25	+EPZ	0127	16.1	
25	+EPZ	0127	26.8	
25	-EPZ	0146	13.4	
25	+EPZ	0146	23.4	
25	+IPZ	0146	25.0	
25	-EPZ	0245	27.2	
25	+IPZ	0245	30.9	
25	-EPZ	0423	34.6	
25	-EPZ	0423	36.4	
25	+EPZ	0423	47.4	
25	-EPZ	0531	42.2	#-2288
25	-EpPZ	0531	45.2	#-2288
25	+EsPZ	0531	48.4	#-2288
25	+EPZ	0603	15.2	
25	+EPZ	0603	45.6	
25	+EPZ	0737	48.1	
25	+EPZ	0737	40.5	
25	+EPZ	0811	38.3	
25	+EPZ	0811	39.3	
25	+EPZ	0811	44.2	
25	+EPZ	0906	41.3	#-2289
25	-IPcPZ	0906	49.1	#-2289
25	+IpPZ	0907	8.2	#-2289
25	+EPPZ	0928	9.2	#-2290
25	+EPZ	0957	54.3	
25	+EPZ	0958	7.1	
25	+EPZ	1207	44.2	
25	+EPZ	1246	25.2	
25	+EPZ	1340	31.8	#-2291
25	-IpPZ	1340	34.0	#-2291
25	+EsPZ	1340	37.6	#-2291
25	+EPZ	1411	42.0	
25	+EPZ	1411	47.3	
25	+EPZ	1412	0.4	
25	+EPZ	1412	45.8	
25	+EPPZ	1538	9.0	#-2292
25	+EXZ	1643	1.6	#-2293
25	+EsPZ	1643	11.4	#-2293
25	-IPZ	1742	0.0	
25	+EPZ	1742	9.0	
25	+EPZ	1955	36.8	#-2294
25	-IsPZ	1955	45.0	#-2294
25	-EXZ	2035	2.7	#-2295
25	-EPKiKPZ	2038	15.2	#-2295
25	+EpPdiffZ	2048	42.5	#-2296
25	-EPZ	2106	24.3	
25	+EPZ	2106	37.3	
25	+EPZ	2119	17.8	
25	+EPZ	2251	5.1	
25	-EPZ	2251	7.4	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
25	-EPZ	23	22	5.2	
25	-IPZ	23	22	9.0	
26	-EPZ	00	00	16.0	
26	+IPZ	01	38	28.7	
26	+EPZ	01	38	33.1	
26	+EPZ	02	05	1.7	
26	-EPZ	08	05	28.3	
26	+EPZ	08	05	36.1	
26	-EPZ	08	06	10.6	
26	+EPZ	08	26	28.1	
26	+EPZ	08	26	30.2	
26	+EPZ	09	12	21.8	
26	+EPZ	09	12	27.6	
26	+EXZ	09	31	35.0	#-2297
26	+EXZ	09	31	40.1	#-2297
26	-EsPZ	09	31	42.9	#-2297
26	+EPZ	09	47	20.2	
26	+EPZ	09	47	24.0	
26	-EPZ	09	52	28.7	
26	-EPZ	12	37	29.8	
26	-EPZ	12	37	32.0	
26	-IXZ	13	01	52.0	#-2298
26	+EpPKPdfZ	13	02	30.0	#-2298
26	+EPZ	13	20	25.4	#-2299
26	-EpPZ	13	20	29.6	#-2299
26	+EsPZ	13	20	32.5	#-2299
26	-EPZ	13	41	25.0	
26	+EPZ	13	41	30.3	
26	+EPZ	14	04	8.2	#-2300
26	-EsPZ	14	04	16.2	#-2300
26	-IPZ	14	46	42.2	#-2301
26	+IpPZ	14	46	53.6	#-2301
26	ESH	14	57	35.8	#-2301
26	+EPZ	14	56	46.2	#-2302
26	+EXZ	14	59	44.0	#-2303
26	-EpPZ	15	01	40.5	#-2304
26	+IPZ	15	02	48.5	#-2305
26	-EPcPZ	15	02	50.5	#-2305
26	-IpPZ	15	02	57.8	#-2305
26	-EPZ	15	12	14.0	
26	-EPZ	15	12	19.0	
26	+EPZ	15	15	45.0	#-2306
26	-EPZ	16	07	25.4	
26	+EPZ	16	07	27.6	
26	+EPZ	16	07	31.4	
26	+EPZ	16	53	39.6	#-2307
26	-EPZ	17	29	1.2	#-2308
26	+EPZ	17	53	43.0	
26	+EPZ	17	53	48.0	
26	+EPZ	18	01	17.2	#-2309
26	+EPcPZ	18	01	28.6	#-2309
26	+EPZ	19	05	15.0	
26	+EPZ	20	56	34.6	
26	+EPZ	22	08	1.0	
26	-EPZ	22	08	18.3	
26	-EPZ	22	18	39.8	#-2310
26	+EPZ	22	40	5.7	
26	+EXZ	22	45	44.0	#-2311
26	+EPZ	23	09	6.4	
26	-EPZ	23	33	32.0	
26	-EPZ	23	33	48.2	
27	+IPZ	00	30	15.2	#-2312
27	-EpPZ	00	30	20.3	#-2312
27	-EPZ	00	47	38.1	#-2313
27	+EPZ	01	00	27.7	
27	+EPZ	01	01	1.1	
27	-EPZ	01	01	5.0	
27	+EPZ	01	01	23.5	
27	+EPZ	05	03	33.0	
27	+EPZ	05	03	34.3	
27	+EPZ	06	47	30.7	
27	+EPZ	10	20	5.9	
27	+EPZ	10	20	9.5	
27	+EPZ	10	43	2.7	
27	-EPZ	11	16	14.6	#-2314
27	-EpPZ	11	16	23.7	#-2314

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
27	+EsPZ	11	16	27.1	#-2314
27	+EXZ	11	17	7.0	#-2314
27	+EPZ	13	06	28.1	
27	+IPZ	15	18	22.8	#-2315
27	-IPcPZ	15	18	27.0	#-2315
27	-EPZ	16	43	20.2	
27	+EPZ	20	13	25.8	
27	+EPZ	20	13	32.6	
28	-EPZ	01	31	36.5	#-2316
28	+EPcPZ	01	31	37.9	#-2316
28	-EXZ	01	31	49.2	#-2316
28	-EXZ	04	40	2.0	#-2317
28	+EsPZ	04	40	9.1	#-2317
28	+EXZ	04	51	9.5	#-2318
28	+EPZ	04	57	43.6	
28	+EPZ	05	29	46.9	
28	-EPZ	05	29	56.1	
28	+EPZ	05	30	8.0	
28	-IPZ	08	33	20.0	
28	+EPZ	08	33	36.0	
28	+EPZ	08	38	32.4	
28	-EPZ	08	38	34.5	
28	+EPZ	08	38	37.0	
28	+EPZ	09	12	6.3	
28	+EPZ	09	12	12.1	
28	+EPZ	10	18	56.5	
28	-IPZ	10	19	0.2	
28	+EPZ	10	19	1.8	
28	+EPZ	11	46	2.9	
28	-EPcPZ	12	55	3.3	#-2319
28	-EpPZ	12	55	15.4	#-2319
28	+EXZ	12	55	23.5	#-2319
28	+EPZ	13	10	11.6	
28	+EPZ	13	10	19.3	
28	+IPZ	13	35	3.1	#-2320
28	-EPcPZ	13	35	14.4	#-2320
28	+EPZ	14	46	33.0	
28	-EPZ	14	46	39.8	
28	-EXZ	15	16	51.4	#-2321
28	+EPcPZ	15	16	55.2	#-2321
28	-EpPZ	15	17	29.0	#-2321
28	-EPZ	16	30	36.0	
28	+EPZ	16	30	36.6	
28	+IPZ	16	30	41.4	
28	-EPZ	16	40	49.5	
28	-EPZ	16	40	54.0	
28	-EPZ	19	14	28.4	#-2322
28	+EpPZ	19	14	34.5	#-2322
28	+EsPZ	19	14	36.4	#-2322
28	-EPZ	19	42	30.5	#-2323
28	+EPcPZ	19	42	33.3	#-2323
28	-EPZ	20	10	4.2	
28	-EPZ	20	10	15.2	
28	-IPZ	22	05	54.1	
28	-EPZ	22	09	30.8	
28	+EPZ	23	08	44.0	
28	-EPZ	23	08	46.0	
28	-EPZ	23	46	57.9	
28	-IPZ	23	47	0.6	
28	+EPZ	23	47	3.6	
29	+EpPZ	00	11	43.2	#-2324
29	-EPcPZ	00	11	50.0	#-2324
29	+EPPZ	00	14	31.4	#-2324
29	-EPZ	02	07	36.2	
29	+EPZ	02	07	40.3	
29	+EPZ	02	07	57.8	
29	+EPZ	03	48	54.6	#-2325
29	-EPcPZ	03	49	0.2	#-2325
29	+EpPZ	06	52	14.8	#-2326
29	+EPcPZ	06	52	24.2	#-2326
29	-EPZ	11	21	7.3	
29	+EPZ	11	21	12.8	
29	+EPZ	11	21	14.9	
29	-EPZ	13	16	56.2	#-2327
29	-EPcPZ	13	17	8.0	#-2327
29	+EXZ	13	19	43.0	#-2327

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
29	+EpPZ	13	18	57.0	#-2328
29	+EPZ	14	12	7.2	
29	-EPZ	14	12	9.2	
29	-IsPZ	14	30	11.4	#-2329
29	+IPcPZ	14	30	16.6	#-2329
29	-IPZ	15	26	49.8	#-2330
29	-EXZ	15	50	27.8	#-2331
29	+EXZ	15	54	42.4	#-2331
29	+EPZ	15	58	4.0	
29	+EPZ	16	42	8.0	
29	-EPZ	16	42	13.4	
29	+EPZ	19	09	11.3	#-2332
29	-EPZ	19	13	38.9	
29	+EPZ	19	13	41.0	
29	+EXZ	19	14	14.4	#-2332
29	+IPZ	19	53	13.0	#-2333
29	+IpPZ	19	53	23.9	#-2333
29	-EPZ	20	06	13.8	#-2334
29	+EPZ	20	31	44.2	
29	+EPZ	20	31	13.2	
29	-EPZ	20	59	44.8	
29	+IPZ	20	59	49.6	
29	+EPZ	21	29	32.4	
29	-EPZ	21	29	36.4	
29	+EPZ	21	36	56.0	#-2335
29	+EPcPZ	21	36	57.7	#-2335
29	+EPZ	22	49	29.0	
29	+EPZ	22	49	30.8	
29	-EPZ	23	24	8.3	
30	+EPZ	00	46	3.8	#-2336
30	+EsPZ	00	46	10.1	#-2336
30	-EPZ	00	52	35.2	#-2337
30	+EPcPZ	00	52	38.0	#-2337
30	-EXZ	00	52	45.1	#-2337
30	+EPZ	01	19	47.0	
30	+EPZ	01	19	48.9	
30	+EPZ	03	38	28.8	
30	-EPZ	03	38	34.3	
30	-EPZ	05	04	1.8	
30	+EPZ	05	04	5.2	
30	-EPZ	06	00	9.6	#-2338
30	-EsPZ	06	00	16.6	#-2338
30	+IPZ	09	13	0.0	#-2339
30	+EXZ	09	13	13.4	#-2339
30	+EPcPZ	09	13	19.8	#-2339
30	+EPZ	12	09	39.2	
30	-EPZ	12	09	45.6	
30	-EPZ	12	09	47.8	
30	-EPZ	13	05	44.4	
30	-IPZ	13	05	46.3	
30	-EPZ	17	46	14.2	
30	+EPZ	17	46	33.6	
30	+IsPZ	18	15	30.7	#-2340
Dec. 1	-EPZ	01	07	27.0	
1	+EPZ	01	07	31.5	
1	-IPZ	03	59	38.0	#-2341
1	+EpPZ	13	14	3.2	#-2342
1	-EsPZ	13	14	6.0	#-2342
1	+EPZ	13	17	27.2	
1	+EPZ	13	17	32.0	
1	+EPZ	22	58	57.4	#-2343
1	+EsPZ	22	59	2.2	#-2343
2	+EPZ	05	05	34.8	#-2344
2	-EXZ	05	05	51.2	#-2344
2	+EPZ	05	23	41.3	#-2345
2	-EPcPZ	05	23	44.0	#-2345
2	+EXZ	05	33	15.0	#-2345
2	-EPZ	05	26	1.4	
2	-EPZ	05	26	9.0	
2	+EPZ	13	03	15.4	#-2346
2	+EpPZ	13	03	25.8	#-2346
3	+EPZ	00	39	38.0	#-2347
3	+EPZ	00	39	41.0	#-2347
3	+EPcPZ	00	40	9.2	#-2348
3	-EsPZ	00	40	22.7	#-2348
3	+EPZ	09	50	17.8	#-2349

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
3	+EXZ	1312		46.8	#-2350
4	+EPKiKPZ	0237		7.4	#-2351
4	+EXZ	0237		15.4	#-2351
4	+EPZ	1054		42.0	
4	-EPZ	1103		30.4	#-2352
4	+EScPZ	1108		20.0	#-2352
4	+IPZ	1857		26.6	#-2353
4	+EPcPZ	1857		28.1	#-2353
5	-EPZ	0336		2.4	
5	+EPZ	0336		8.0	
5	+EPZ	0406		17.2	
5	+EPZ	1055		54.4	#-2354
5	+EXZ	1337		6.8	#-2355
5	+EPZ	1552		2.6	#-2356
5	+EXZ	1552		11.8	#-2356
5	-EPZ	1700		2.2	
5	-EPZ	1700		3.6	
6	+EPZ	0523		25.4	
6	-EPZ	0606		13.2	
6	+EPZ	0808		26.0	
6	-EPZ	0808		30.6	
6	+EPZ	0808		51.2	
6	-EPZ	0810		24.0	
6	-EPZ	0810		27.4	
6	+EPPZ	1038		7.4	#-2357
6	-EPZ	2042		2.0	
6	+EPZ	2042		5.4	
6	+EPZ	2042		16.7	
6	+IPZ	2217		31.2	#-2358
6	+IPcPZ	2217		33.9	#-2358
6	-IsPZ	2218		12.2	#-2358
7	-EPZ	0018		30.6	
7	-EPZ	0135		12.2	#-2359
7	+IPcPZ	0135		14.6	#-2359
7	+IpPZ	0135		19.0	#-2359
7	-IsPZ	0135		21.6	#-2359
7	+EPPZ	0138		54.0	#-2359
7	-EPZ	0343		13.4	#-2360
7	+EpPZ	0343		16.0	#-2360
7	+EpPZ	0457		53.1	#-2361
7	+EPZ	1316		53.2	
7	+EPZ	1316		55.4	
7	-EPcPZ	1808		41.6	#-2362
7	-EpPZ	1808		43.3	#-2362
7	-EPdiffZ	2131		31.0	#-2363
8	+EpPKiKPZ	0913		27.6	#-2364
8	+EPPZ	0913		43.6	#-2364
8	+IPKPdfZ	1011		36.0	#-2365
8	+EPKPbcZ	1011		37.4	#-2365
8	+EXZ	1011		47.4	#-2365
8	-EpPKPabZ	1011		53.2	#-2365
9	-EPZ	0103		18.0	#-2366
9	+EPZ	0142		42.0	#-2367
9	+EsPZ	0142		48.0	#-2367
9	-EPZ	0214		40.8	#-2368
9	-EsPZ	0214		46.2	#-2368
9	+IPZ	0246		45.0	#-2369
9	+EPZ	0322		16.9	#-2370
9	+EPcPZ	0322		20.4	#-2370
9	+EpPZ	0322		30.6	#-2370
9	-EPZ	0526		22.6	#-2371
9	-EPZ	1929		24.2	#-2372
10	+EPZ	0918		8.0	#-2373
10	-EPZ	1818		3.2	
10	-EPZ	1818		6.8	
10	+EPPZ	2122		23.3	#-2374
10	-EPZ	2318		3.2	
10	-EPZ	2318		19.0	
10	+EPZ	2320		9.0	
11	+EPcPZ	0256		18.0	#-2375
11	+EpPZ	0256		29.2	#-2375
11	+EPZ	0902		15.7	
11	-EPZ	1047		17.2	#-2376
11	+EpPZ	1047		22.4	#-2376
11	+EPZ	1215		9.7	
11	+EPZ	1215		13.8	

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
11	+EPZ	13	59	38.5	#-2377
11	-EsPZ	13	59	42.5	#-2377
11	-IPZ	13	59	48.0	
11	-EPZ	17	05	21.4	
11	-EPZ	17	16	2.0	
11	+EPZ	17	16	13.0	
11	-EPZ	18	21	28.8	
11	+IPZ	22	39	22.4	#-2378
12	+EXZ	08	12	7.7	#-2379
12	+EPdiffZ	12	48	21.4	#-2380
12	+EXZ	12	47	32.4	#-2381
12	-EPcPZ	12	47	37.4	#-2381
12	-IPZ	20	34	52.1	#-2382
12	+IPcPZ	20	34	52.9	#-2382
12	+EpPZ	20	36	5.9	#-2382
13	+EPZ	19	34	24.1	#-2383
13	+EsPZ	19	34	29.2	#-2383
14	+IPZ	07	25	57.0	#-2384
14	+EsPZ	07	26	11.2	#-2384
14	+EpPZ	12	55	10.4	#-2385
14	+EXZ	14	27	27.1	#-2386
14	+EsPZ	14	27	49.8	#-2386
15	+EPZ	08	45	46.7	
16	+EXZ	04	55	33.0	#-2387
16	+EPZ	06	56	36.1	
16	-EPZ	10	54	51.4	#-2388
16	+EPZ	10	55	3.4	
16	+EPcPZ	11	49	38.0	#-2389
16	-EPZ	17	21	25.6	
17	+EPZ	05	15	34.6	
17	-IPZ	06	21	56.0	#-2390
17	+IsPZ	06	21	0.4	#-2390
17	+EpPZ	08	40	41.6	#-2391
17	-EXZ	08	40	46.6	#-2391
17	-EPZ	10	00	1.2	#-2392
17	-EPZ	13	18	27.1	#-2393
17	+EPcPZ	13	18	28.2	#-2393
17	+EpPZ	13	18	31.8	#-2393
17	+EPdiffZ	14	15	29.5	#-2394
17	+EPZ	19	15	9.1	
17	+EPZ	19	15	11.0	
17	+EPZ	23	45	10.4	
17	+EPZ	23	45	15.7	
18	+EsPZ	08	01	22.6	#-2395
18	+EXZ	15	46	11.1	#-2396
18	+EPZ	19	07	16.4	#-2397
18	-EPZ	19	48	35.3	
18	-EPZ	20	17	3.8	#-2398
18	-EsPZ	20	17	7.4	#-2398
18	-EXZ	22	48	45.8	#-2399
19	-EPZ	04	18	0.2	
19	+EPZ	04	18	5.8	
19	+EPZ	05	03	11.9	
19	+EPcPZ	13	02	46.1	#-2400
19	+EPZ	15	09	25.6	
19	+EPZ	15	09	29.8	
19	-EPPZ	20	08	13.4	#-2401
19	+EXZ	20	08	20.6	
19	-EpPZ	23	08	23.0	#-2402
19	+EsPZ	23	08	25.7	
20	-EXZ	09	45	51.6	#-2403
20	-EpPdiffZ	09	45	55.4	
20	+EpPKPdfZ	09	49	12.1	
20	+EPZ	18	54	41.7	#-2404
21	+EPPZ	00	43	5.6	#-2405
21	+EPPZ	03	22	4.6	#-2406
21	+EPZ	05	51	5.0	
21	+EPZ	05	51	7.7	
21	-EPdiffZ	10	13	52.2	#-2407
21	+IPZ	11	47	13.0	#-2408
21	+IPcPZ	11	47	14.2	#-2408
21	+IpPZ	11	47	24.2	#-2408
21	+EsPZ	11	47	30.0	#-2408
21	+EXZ	12	47	30.5	#-2409
21	+EXZ	12	47	46.0	#-2409
21	+EPcPZ	13	42	56.0	#-2410

Table 1. Continued.

Date	Phase	Time H	M	S	Remarks
21	-EPcPZ	13	53	41.4	#-2411
21	+EPZ	14	31	38.5	#-2412
21	+EXZ	14	42	1.0	#-2412
21	+EPZ	18	45	16.2	
21	+EPZ	18	45	21.8	
21	-EPdiffZ	21	28	22.6	#-2413
22	-EPZ	07	29	25.1	#-2414
22	-IpPZ	07	29	27.4	#-2414
22	+IsPZ	07	29	31.6	#-2414
22	+EXZ	07	30	16.6	#-2414
22	+EPZ	13	12	19.2	#-2415
22	+EPZ	18	36	9.0	
22	-EPcPZ	22	52	1.9	#-2416
22	+EPcPZ	22	52	43.4	#-2417
22	+EPZ	23	31	27.5	
22	+EPZ	23	31	30.0	
23	+EPZ	09	18	45.9	
23	-EPZ	15	21	32.4	
23	+EPZ	15	51	46.4	#-2418
23	+EPcPZ	15	51	48.8	#-2418
23	-EXZ	19	25	6.8	#-2419
24	-EXZ	01	27	45.6	#-2420
24	-EPZ	02	06	11.0	#-2421
24	-EpPZ	02	06	13.8	#-2421
24	-EpPZ	06	15	0.4	#-2422
24	-EPPZ	06	18	23.2	#-2422
24	-EPZ	08	56	1.2	#-2423
24	-EPZ	12	51	0.9	
24	-EPZ	12	51	37.7	
24	-EPZ	20	25	35.0	
24	+EPZ	20	25	38.6	
24	+EPZ	21	46	35.5	#-2424
24	-EpPZ	21	46	49.2	#-2424
24	+EsPZ	21	46	54.3	#-2424
25	-EPZ	08	23	40.6	#-2425
25	+EPcPZ	08	23	45.9	#-2425
25	-IPZ	13	50	40.8	
25	+EPZ	13	50	45.0	
25	+EPZ	17	50	24.2	
26	-EPZ	09	51	43.1	
26	-EPZ	13	12	42.8	#-2426
26	-EsPZ	13	12	57.1	#-2426
26	-EPZ	13	57	55.6	
26	-EPZ	13	58	17.1	
26	-EPZ	13	58	26.1	
26	+EPZ	22	38	30.9	
26	+EPZ	23	12	47.1	
27	-EPZ	12	15	49.7	#-2427
27	+EpPZ	12	15	53.0	#-2427
27	-EPcPZ	18	48	32.3	#-2428
27	+EsPZ	18	48	47.7	#-2428
27	-IPZ	19	05	36.0	#-2429
28	-EPZ	00	19	38.8	
28	-EPZ	00	19	44.4	
28	-EPZ	03	18	42.8	
28	-EPZ	03	18	57.1	
28	+EPZ	05	11	21.6	#-2430
28	+EPZ	18	26	10.6	#-2431
28	+EPcPZ	18	26	16.0	
28	+EPZ	23	48	42.0	
28	-EPZ	23	48	48.4	
29	+EpPZ	09	43	3.0	#-2432
29	+EXZ	09	43	13.3	#-2432
29	-EPZ	17	47	57.8	#-2433
29	-EsPZ	17	48	3.8	#-2433
29	-IPZ	23	49	48.6	#-2434
30	+EPZ	00	55	31.4	
30	+EPZ	06	21	12.7	
30	-EpPZ	11	13	2.0	#-2435
30	+EPcPZ	11	14	5.6	#-2435
30	-EXZ	18	08	46.1	#-2436
30	-IPZ	21	29	4.6	#-2437
30	+IPcPZ	21	29	5.6	#-2437
30	-IpPZ	21	31	14.0	#-2437
31	+EPZ	00	17	50.3	#-2438
31	-EPcPZ	00	17	52.2	#-2438

Table 1. Continued.

Date	Phase	Time H	Time M	Time S	Remarks
31	+IPZ	01	50	24.0	#-2439
31	-EPcPZ	01	50	25.3	#-2439
31	-EpPZ	01	50	57.0	#-2439
31	+EPZ	03	10	45.8	#-2440
31	-EPZ	15	48	1.7	
31	+EPZ	15	48	11.8	
31	-EPZ	19	57	36.8	#-2441
31	+EsPZ	19	57	41.3	#-2441
31	+EPZ	21	28	59.1	#-2442
31	+EPcPZ	21	29	0.8	#-2442

(end)

Table 2. List of hypocenters of teleseismic events detected at Syowa Station.
The total number of events is 2442.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1	1/1	14	23	3.60	-35.30	-179.01	54.5	4.9	71.99	EAST OF THE NORTH ISLAND OF NEW ZEALAND
#-2	1/1	15	17	48.53	-17.48	167.81	7.9	4.6	86.20	WNW OF PORT-VILA, VANUATU
#-3	1/1	16	3	29.00	-13.86	167.25	187.0	6.5	89.52	W OF SOLA, VANUATU
#-4	1/1	22	33	51.26	-13.75	167.24	206.0	4.6	89.62	WNW OF SOLA, VANUATU
#-5	1/2	3	13	54.57	27.15	54.45	8.0	5.2	96.82	S OF LAR, IRAN
#-6	1/2	4	54	41.08	-54.44	5.53	15.1	4.6	21.05	E OF BOUVET ISLAND, BOUVET ISLAND
#-7	1/2	10	34	31.38	6.10	126.11	135.3	4.6	94.65	SSW OF PONDAGUITAN, PHILIPPINES
#-8	1/2	14	30	40.47	-6.77	152.53	46.3	4.5	91.83	N OF KULUMADAU, PAPUA NEW GUINEA
#-9	1/2	19	2	24.59	19.15	120.22	15.2	5.0	104.75	NNW OF DAVILA, PHILIPPINES
#-10	1/2	19	30	53.98	19.27	120.18	14.1	5.3	104.85	NNW OF BURGOS, PHILIPPINES
#-11	1/2	22	39	44.00	-32.96	-71.39	44.8	4.8	66.22	N OF VILLA ALEMANA, CHILE
#-12	1/3	5	11	8.79	-52.77	11.99	10.0	4.7	20.54	SOUTHWEST OF AFRICA
#-13	1/3	8	20	46.94	-5.18	103.33	71.7	4.7	76.18	WSW OF KURIPAN, INDONESIA
#-14	1/3	9	13	41.68	-20.43	-178.15	554.1	4.6	86.65	ENE OF NDOI ISLAND, FIJI
#-15	1/3	13	6	32.89	-0.20	122.94	89.7	4.9	87.64	SSW OF BILUNGALA, INDONESIA
#-16	1/3	19	22	44.08	-7.52	108.41	110.4	4.5	75.70	SE OF LIMUSNUNGGAL, INDONESIA
#-17	1/3	20	34	3.99	-7.10	155.98	59.2	5.2	92.63	SW OF CHIROVANGA, SOLOMON ISLANDS
#-18	1/4	0	11	48.00	-20.69	-70.80	26.1	5.7	77.51	SW OF IQUIQUE, CHILE
#-19	1/4	2	4	43.24	-45.98	-13.61	10.0	4.6	34.66	SOUTHERN MID-ATLANTIC RIDGE
#-20	1/4	2	58	44.46	-10.90	163.73	3.6	5.3	91.36	ESE OF KIRAKIRA, SOLOMON ISLANDS
#-21	1/4	5	23	0.31	36.97	143.38	22.0	5.5	129.24	ESE OF NAMIE, JAPAN
#-22	1/4	17	56	59.17	-13.11	167.05	209.0	4.8	90.19	NNW OF SOLA, VANUATU
#-23	1/5	3	36	40.59	4.56	-76.64	53.9	5.5	103.22	S OF NOVITA, COLOMBIA
#-24	1/5	11	32	11.06	-5.93	105.35	56.9	5.1	76.15	SW OF KALIANDAK, INDONESIA
#-25	1/5	11	44	11.46	3.20	128.36	55.2	5.1	92.75	NNE OF TOBELO, INDONESIA
#-26	1/5	14	41	30.64	3.18	128.35	55.2	5.1	92.73	NNE OF TOBELO, INDONESIA
#-27	1/5	18	50	42.14	-32.71	-178.31	10.0	4.6	74.65	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-28	1/5	21	29	33.43	-6.99	128.43	39.0	5.3	83.26	BANDA SEA
#-29	1/6	1	10	7.81	-8.71	105.41	30.5	4.6	73.55	SW OF SIMPANG, INDONESIA
#-30	1/6	1	25	7.89	-20.55	172.61	15.5	5.4	84.47	NNE OF ILE HUNTER, NEW CALEDONIA
#-31	1/6	3	59	2.00	-20.77	-70.65	26.6	5.1	77.38	SW OF IQUIQUE, CHILE
#-32	1/6	5	53	28.09	-24.29	-67.05	161.6	4.5	72.91	W OF SAN ANTONIO DE LOS COBRES, ARGENTINA
#-33	1/6	7	56	11.00	-20.77	-70.74	15.1	4.9	77.42	SW OF IQUIQUE, CHILE
#-34	1/6	9	5	51.97	-7.71	130.14	25.7	4.8	83.21	WNW OF SAUMLAKI, INDONESIA
#-35	1/6	16	2	11.34	-1.12	-23.60	10.0	5.1	79.46	CENTRAL MID-ATLANTIC RIDGE
#-36	1/6	16	23	22.04	-20.52	-68.82	105.4	4.6	77.02	ESE OF IQUIQUE, CHILE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-37	1/6	16	44	23.57	-20.87	-67.50	190.0	4.5	76.26	WSW OF UYUNI, BOLIVIA
#-38	1/6	17	0	58.21	-37.29	52.21	10.0	5.0	32.53	SOUTH INDIAN OCEAN
#-39	1/6	18	49	40.81	25.43	122.77	235.3	5.1	111.46	ENE OF KEELUNG, TAIWAN
#-40	1/6	20	5	44.80	-4.80	-80.60	45.2	4.7	95.64	NE OF QUERECOTILLO, PERU
#-41	1/7	3	43	23.00	-20.99	-69.73	97.3	5.3	76.88	SSE OF IQUIQUE, CHILE
#-42	1/7	4	5	6.00	0.30	123.13	57.4	4.5	88.17	SW OF BILUNGALA, INDONESIA
#-43	1/7	5	5	49.63	-25.07	179.79	494.1	4.5	81.71	SOUTH OF THE FIJI ISLANDS
#-44	1/7	6	7	56.44	54.81	-160.08	39.8	5.2	163.36	W OF CHERNABURA ISLAND, ALASKA
#-45	1/7	7	3	27.76	-59.55	-26.22	104.8	5.0	28.25	SSE OF BRISTOL ISLAND, SOUTH SANDWICH ISL.
#-46	1/7	10	39	17.21	-17.43	-172.47	10.0	4.8	90.68	NE OF NEIAFU, TONGA
#-47	1/7	11	26	33.55	-52.91	9.86	10.0	4.8	21.02	SOUTHWEST OF AFRICA
#-48	1/7	12	6	9.64	-44.42	-79.24	10.0	5.0	57.83	OFF THE COAST OF AISEN, CHILE
#-49	1/7	13	7	1.31	-32.62	-179.50	43.5	4.5	74.51	SSW OF L'ESPERANCE ROCK, NEW ZEALAND
#-50	1/7	16	52	31.26	-21.91	-176.62	160.5	5.1	85.51	WSW OF VAINI, TONGA
#-51	1/7	18	6	13.33	0.49	98.45	51.7	4.6	79.97	SW OF PADANGSIDEMPUAN, INDONESIA
#-52	1/8	4	5	9.19	1.36	126.37	56.6	4.7	90.32	WNW OF KOTA TERNATE, INDONESIA
#-53	1/8	4	22	10.18	-20.75	-70.63	20.0	5.7	77.40	SW OF IQUIQUE, CHILE
#-54	1/8	4	49	8.15	-54.27	-54.47	16.4	4.5	41.82	SOUTH ATLANTIC OCEAN
#-55	1/8	14	14	55.57	1.32	126.42	43.5	4.8	90.31	WNW OF KOTA TERNATE, INDONESIA
#-56	1/8	15	39	17.51	-5.01	-80.00	72.1	4.6	95.25	N OF MORROPON, PERU
#-57	1/8	18	15	12.11	24.61	123.45	77.1	5.3	110.93	ENE OF YONAKUNI, JAPAN
#-58	1/8	19	51	58.34	-25.52	178.29	593.6	4.6	80.95	SOUTH OF THE FIJI ISLANDS
#-59	1/8	22	7	31.04	-6.52	30.99	10.0	4.7	62.72	SSW OF MPANDA, TANZANIA
#-60	1/9	6	39	33.45	-11.59	166.52	58.0	5.8	91.50	SE OF LATA, SOLOMON ISLANDS
#-61	1/9	7	15	57.88	-3.17	134.45	10.0	5.0	88.98	W OF NABIRE, INDONESIA
#-62	1/9	12	50	18.42	2.97	-75.84	26.2	5.0	101.47	W OF SANTA MARIA, COLOMBIA
#-63	1/9	16	16	51.24	-6.96	105.43	42.8	5.0	75.21	SW OF TUGU HILIR, INDONESIA
#-64	1/9	16	45	26.23	-23.41	-176.70	159.1	4.6	84.03	SSW OF VAINI, TONGA
#-65	1/9	18	38	28.69	-20.45	172.49	14.9	5.4	84.53	NNE OF ILE HUNTER, NEW CALEDONIA
#-66	1/10	1	32	31.38	-20.71	-177.66	413.2	4.8	86.48	E OF NDOI ISLAND, FIJI
#-67	1/10	2	22	55.93	-31.31	-179.57	211.0	5.6	75.76	WNW OF L'ESPERANCE ROCK, NEW ZEALAND
#-68	1/10	8	10	0.67	2.55	128.48	139.8	4.6	92.19	NNE OF TOBELO, INDONESIA
#-69	1/10	14	59	38.82	-27.95	-66.56	150.9	4.8	69.35	SSW OF ANDALGALA, ARGENTINA
#-70	1/10	18	3	1.01	48.25	154.03	80.6	5.3	142.89	KURIL ISLANDS
#-71	1/10	21	45	55.84	-20.40	172.36	51.3	4.6	84.55	N OF ILE HUNTER, NEW CALEDONIA
#-72	1/11	2	9	7.45	-0.60	97.42	27.9	4.5	78.61	WNW OF SIKABALUAN, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-73	1/11	11	53	44.91	-30.52	-179.21	244.9	4.8	76.60	NNW OF L'ESPERANCE ROCK, NEW ZEALAND
#-74	1/11	12	51	44.91	-16.84	167.48	10.0	5.0	86.72	S OF LAKATORO, VANUATU
#-75	1/11	13	3	5.83	-27.82	-66.83	155.7	4.5	69.56	SE OF BELEN, ARGENTINA
#-76	1/11	13	10	51.11	14.64	-92.06	78.0	5.5	117.63	SSW OF PAJAPITA, GUATEMALA
#-77	1/11	15	14	54.34	-48.70	126.54	10.0	4.7	44.64	WESTERN INDIAN-ANTARCTIC RIDGE
#-78	1/11	20	18	11.16	-60.35	-47.61	10.0	4.9	34.73	SCOTIA SEA
#-79	1/12	11	59	15.42	-18.55	-177.81	536.6	4.7	88.56	NNE OF NDOI ISLAND, FIJI
#-80	1/12	13	7	50.28	5.79	125.59	136.4	5.0	94.18	NE OF KALBAY, PHILIPPINES
#-81	1/12	17	59	23.09	-15.88	-177.35	413.9	4.5	91.27	SSE OF SIGAVE, WALLIS AND FUTUNA
#-82	1/12	23	23	44.06	-28.72	-175.67	10.0	4.8	79.03	ENE OF RAOUL ISLAND, NEW ZEALAND
#-83	1/13	0	47	35.18	-23.49	179.21	529.7	4.5	83.12	SOUTH OF THE FIJI ISLANDS
#-84	1/13	4	1	3.24	19.04	-66.81	20.0	6.4	113.39	N OF HATILLO, PUERTO RICO
#-85	1/13	10	55	19.72	-45.83	95.88	10.0	4.8	36.29	SOUTHEAST INDIAN RIDGE
#-86	1/13	13	26	25.86	4.02	126.72	60.2	4.8	92.94	SE OF SARANGANI, PHILIPPINES
#-87	1/13	13	52	24.21	-3.57	137.68	81.0	4.5	89.76	ENE OF ENAROTALI, INDONESIA
#-88	1/13	16	28	45.84	-23.43	-176.91	160.0	4.7	83.97	SOUTH OF THE FIJI ISLANDS
#-89	1/14	13	55	2.17	40.28	52.88	49.0	5.2	109.77	NNW OF TURKMENBASY, TURKMENISTAN
#-90	1/14	14	18	44.73	-1.44	123.01	26.3	4.9	86.51	SSE OF LUWUK, INDONESIA
#-91	1/14	14	59	35.64	-16.41	-173.28	10.0	5.3	91.53	SE OF HIHIFO, TONGA
#-92	1/14	17	23	49.60	-32.19	-177.81	9.1	5.0	75.24	SE OF L'ESPERANCE ROCK, NEW ZEALAND
#-93	1/15	8	38	8.75	-31.14	-68.12	104.7	5.2	66.89	NNE OF SAN MARTIN, ARGENTINA
#-94	1/15	9	26	11.15	-6.39	106.90	125.4	4.5	76.23	W OF CILEUNGSI, INDONESIA
#-95	1/15	13	2	23.34	-35.13	78.64	10.0	4.9	40.28	MID-INDIAN RIDGE
#-96	1/15	14	5	50.84	-7.93	108.60	108.9	4.7	75.37	SE OF SINDANGSARI, INDONESIA
#-97	1/16	3	32	40.00	-27.92	-66.91	174.0	4.6	69.49	SE OF LONDRES, ARGENTINA
#-98	1/16	3	35	56.59	-52.48	26.20	10.0	4.8	17.59	SOUTH OF AFRICA
#-99	1/16	3	41	46.83	-11.93	166.63	150.4	5.0	91.20	SSE OF LATA, SOLOMON ISLANDS
#-100	1/16	4	48	54.08	1.39	126.48	44.9	5.0	90.39	NW OF KOTA TERNATE, INDONESIA
#-101	1/16	7	33	9.69	51.17	-179.23	27.0	5.5	154.65	SW OF AMATIGNAK ISLAND, ALASKA
#-102	1/16	7	45	37.09	51.11	-179.12	25.2	5.0	154.64	S OF AMATIGNAK ISLAND, ALASKA
#-103	1/16	8	14	47.27	73.77	8.63	10.0	5.3	144.10	GREENLAND SEA
#-104	1/16	20	2	45.57	-54.07	6.94	10.0	5.2	20.91	E OF BOUVET ISLAND, BOUVET ISLAND
#-105	1/16	20	33	14.68	-5.01	152.17	82.8	4.8	93.38	S OF KOKOPO, PAPUA NEW GUINEA
#-106	1/16	21	38	0.48	-53.99	6.98	10.0	5.2	20.97	E OF BOUVET ISLAND, BOUVET ISLAND
#-107	1/17	21	2	41.00	9.51	-84.86	18.9	5.2	110.56	WSW OF JACO, COSTA RICA
#-108	1/17	23	6	19.00	-24.06	-67.42	235.3	4.6	73.25	W OF SAN ANTONIO DE LOS COBRES, ARGENTINA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-109	1/18	5	0	42.53	28.90	142.35	14.0	5.3	121.57	N OF CHICHI-SHIMA, JAPAN
#-110	1/18	5	54	20.36	-15.48	-71.82	114.1	4.6	114.00	NW OF CHIVAY, PERU
#-111	1/18	22	19	28.53	26.32	-44.51	10.0	5.4	112.19	NORTHERN MID-ATLANTIC RIDGE
#-112	1/18	23	1	33.89	26.40	-44.45	10.0	5.0	112.24	NORTHERN MID-ATLANTIC RIDGE
#-113	1/19	0	3	0.54	-29.46	-179.19	340.2	4.7	77.64	W OF RAOUL ISLAND, NEW ZEALAND
#-114	1/19	2	38	8.12	-20.54	172.52	51.0	4.7	84.46	NNE OF ILE HUNTER, NEW CALEDONIA
#-115	1/19	23	30	7.51	-2.98	129.56	22.5	4.8	87.42	ENE OF AMAHAI, INDONESIA
#-116	1/20	2	52	44.35	-40.66	175.81	28.0	6.1	65.78	NNE OF MASTERTON, NEW ZEALAND
#-117	1/20	14	6	47.27	-5.41	147.07	166.1	4.5	91.29	E OF MADANG, PAPUA NEW GUINEA
#-118	1/21	1	29	7.00	-15.14	-174.68	6.1	6.1	92.51	NW OF HIHIFO, TONGA
#-119	1/21	8	0	0.00	-19.82	-69.23	102.5	4.6	103.00	ENE OF IQUIQUE, CHILE
#-120	1/21	10	50	1.67	49.16	156.06	43.9	5.2	144.38	S OF SEVERO-KURIL'SK, RUSSIA
#-121	1/22	3	41	29.52	-15.11	-174.69	11.3	5.5	92.54	NW OF HIHIFO, TONGA
#-122	1/22	10	20	30.70	-20.49	172.52	10.0	5.6	84.51	NNE OF ILE HUNTER, NEW CALEDONIA
#-123	1/23	0	52	15.32	-7.10	120.31	579.0	5.5	80.26	N OF LANOS, INDONESIA
#-124	1/23	2	36	34.12	-7.77	129.29	78.6	5.1	82.85	W OF SAUMLAKI, INDONESIA
#-125	1/23	4	59	49.82	13.36	146.13	7.0	5.8	108.56	SE OF ROTA, NORTHERN MARIANA ISLANDS
#-126	1/23	5	23	59.51	13.39	146.18	10.0	5.7	108.61	SE OF ROTA, NORTHERN MARIANA ISLANDS
#-127	1/24	14	31	24.67	-6.63	130.59	60.3	5.3	84.38	NNW OF SAUMLAKI, INDONESIA
#-128	1/25	5	14	18.51	-7.99	109.27	66.0	6.1	75.55	SSE OF ADIPALA, INDONESIA
#-129	1/25	5	25	16.00	-8.00	109.30	84.5	5.2	75.55	S OF KROYA, INDONESIA
#-130	1/25	8	2	23.60	-6.61	155.01	80.4	4.5	92.78	WSW OF PANGUNA, PAPUA NEW GUINEA
#-131	1/25	17	0	5.99	-7.92	155.92	8.6	5.4	91.83	W OF GIZO, SOLOMON ISLANDS
#-132	1/26	3	7	25.92	-10.91	163.82	9.7	4.8	91.38	ESE OF KIRAKIRA, SOLOMON ISLANDS
#-133	1/26	5	10	27.22	-3.85	-80.86	11.0	5.3	96.62	SW OF ZORRITOS, PERU
#-134	1/26	5	22	2.96	-17.18	168.36	35.4	5.0	86.63	N OF PORT-VILA, VANUATU
#-135	1/26	10	39	32.36	-15.13	-173.51	10.0	5.2	92.74	NNE OF HIHIFO, TONGA
#-136	1/26	12	38	37.24	23.00	95.91	12.4	5.2	100.65	NNE OF SHWEBO, BURMA
#-137	1/26	13	55	42.21	38.21	20.45	8.0	6.1	108.10	ENE OF LIXOURION, GREECE
#-138	1/26	17	57	47.56	13.51	121.85	45.5	5.1	100.07	SW OF BALANACAN, PHILIPPINES
#-139	1/26	19	54	58.66	-4.72	134.03	12.8	5.0	87.39	N OF DOBO, INDONESIA
#-140	1/27	0	24	39.74	1.01	126.33	51.5	4.6	89.99	WNW OF KOTA TERNATE, INDONESIA
#-141	1/27	2	28	56.89	-41.18	-89.79	10.0	5.1	63.52	SOUTHEAST OF EASTER ISLAND
#-142	1/27	2	36	35.21	-4.39	153.10	39.9	5.1	94.26	NE OF TARON, PAPUA NEW GUINEA
#-143	1/27	16	14	0.80	-8.05	109.29	87.9	5.0	75.50	S OF KROYA, INDONESIA
#-144	1/27	16	31	9.39	-11.83	165.24	14.1	5.3	90.91	SSW OF LATA, SOLOMON ISLANDS

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-145	1/27	16	42	37.59	-19.26	-63.92	600.2	5.6	76.57	E OF PADILLA, BOLIVIA
#-146	1/27	16	53	5.28	-7.15	129.53	137.5	4.7	83.51	WNW OF SAUMLAKI, INDONESIA
#-147	1/27	20	45	17.94	-24.11	-179.98	527.5	4.7	82.69	SOUTH OF THE FIJI ISLANDS
#-148	1/28	7	54	17.61	-47.69	165.34	10.6	4.6	56.80	SW OF RIVERTON, NEW ZEALAND
#-149	1/28	11	49	11.63	26.90	127.08	99.8	5.1	114.30	NW OF ISHIKAWA, JAPAN
#-150	1/28	20	8	43.67	-16.19	-173.89	64.3	4.6	91.63	SSW OF HIHIFO, TONGA
#-151	1/28	22	22	14.89	56.74	-34.51	10.0	5.3	136.46	REYKJANES RIDGE
#-152	1/29	0	32	28.24	-9.59	161.23	41.0	5.6	91.87	SSE OF AUKI, SOLOMON ISLANDS
#-153	1/29	10	1	50.73	-18.51	-69.37	120.0	5.6	79.09	SSE OF PUTRE, CHILE
#-154	1/29	18	26	48.00	-22.25	-69.01	92.7	5.0	75.46	NNW OF CALAMA, CHILE
#-155	1/30	10	2	14.00	-32.12	-71.79	25.7	4.5	67.13	NW OF LA LIGUA, CHILE
#-156	1/30	19	53	59.89	-4.92	153.71	105.7	4.7	93.96	SE OF TARON, PAPUA NEW GUINEA
#-157	1/30	20	27	51.61	-1.57	148.13	10.0	4.8	95.26	ENE OF LORENGAU, PAPUA NEW GUINEA
#-158	1/31	11	10	21.95	-27.47	-177.53	111.5	4.5	112.00	N OF RAOUL ISLAND, NEW ZEALAND
#-159	1/31	16	39	6.99	54.67	159.56	169.2	5.1	150.11	SSE OF ESSO, RUSSIA
#-160	1/31	21	20	29.39	-4.90	153.75	104.6	4.7	93.99	ESE OF TARON, PAPUA NEW GUINEA
#-161	2/1	3	58	43.99	-56.83	-27.34	130.0	6.1	30.67	SSW OF VISOKOI ISLAND,
#-162	2/1	9	17	27.13	-55.18	-126.49	10.2	5.3	55.36	SOUTHERN EAST PACIFIC RISE
#-163	2/1	10	6	22.26	-4.65	-105.07	10.2	5.4	102.33	CENTRAL EAST PACIFIC RISE
#-164	2/1	17	8	48.32	-26.72	-178.13	221.2	4.7	80.52	N OF RAOUL ISLAND, NEW ZEALAND
#-165	2/1	20	0	1.31	-11.47	166.28	46.0	5.7	91.55	SSE OF LATA, SOLOMON ISLANDS
#-166	2/1	20	13	32.99	-5.13	68.59	13.3	5.0	66.81	CHAGOS ARCHIPELAGO REGION
#-167	2/1	21	19	33.59	-19.21	-173.63	28.7	4.5	88.72	SSE OF NEIAFU, TONGA
#-168	2/1	23	0	53.12	-22.83	-175.11	46.6	4.5	84.90	S OF `OHONUA, TONGA
#-169	2/2	1	8	0.19	-20.77	-178.32	564.5	4.6	86.28	ESE OF NDOI ISLAND, FIJI
#-170	2/2	2	59	23.98	-1.32	126.28	42.2	5.1	87.80	ENE OF DOFA, INDONESIA
#-171	2/2	5	41	17.99	-25.21	-177.48	138.4	5.0	82.12	SOUTH OF THE FIJI ISLANDS
#-172	2/2	8	57	9.32	-15.91	-74.02	44.0	5.1	83.04	SE OF ACARI, PERU
#-173	2/2	9	26	37.82	-32.91	-177.88	44.3	6.5	74.53	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-174	2/2	14	26	45.51	26.59	57.74	10.0	5.3	96.58	SE OF MINAB, IRAN
#-175	2/2	18	12	2.55	-33.70	-178.14	35.0	5.1	73.71	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-176	2/2	18	51	9.45	20.24	120.26	10.0	5.2	105.77	W OF SABTANG, PHILIPPINES
#-177	2/4	13	54	39.21	-4.83	153.89	103.4	4.8	94.11	ESE OF TARON, PAPUA NEW GUINEA
#-178	2/5	15	4	4.89	-21.24	-174.19	10.0	5.3	86.63	E OF `OHONUA, TONGA
#-179	2/5	22	53	5.35	-20.40	169.26	48.2	5.5	91.50	S OF ISANGEL, VANUATU
#-180	2/6	8	27	31.08	-21.90	-177.89	366.8	5.0	85.27	SSE OF NDOI ISLAND, FIJI

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-181	2/6	11	32	27.59	24.81	125.33	43.0	5.0	111.77	E OF HIRARA, JAPAN
#-182	2/6	18	55	51.46	-6.32	147.48	70.4	4.8	90.58	NW OF FINSCHHAFEN, PAPUA NEW GUINEA
#-183	2/6	20	29	8.04	-6.62	129.08	205.2	5.1	83.84	WNW OF SAUMLAKI, INDONESIA
#-184	2/6	20	56	45.63	-9.15	121.28	116.9	4.7	78.69	S OF ROMBA, INDONESIA
#-185	2/7	3	15	20.80	11.85	94.88	61.2	4.5	89.71	E OF PORT BLAIR, INDIA
#-186	2/7	8	40	13.55	-15.07	167.37	122.0	6.5	88.39	E OF PORT-OLRY, VANUATU
#-187	2/7	18	26	5.06	-23.20	-179.79	543.7	4.8	83.62	SOUTH OF THE FIJI ISLANDS
#-188	2/7	20	36	30.35	-59.65	-23.55	30.9	4.8	27.24	ESE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-189	2/8	2	34	23.05	37.09	141.12	51.8	5.0	128.53	E OF IWAKI, JAPAN
#-190	2/8	5	40	13.36	-9.68	159.66	40.9	5.1	91.32	SW OF HONIARA, SOLOMON ISLANDS
#-191	2/8	19	50	36.41	-60.43	-45.19	23.9	5.7	33.92	SCOTIA SEA
#-192	2/9	4	57	6.27	-55.42	-28.41	31.0	4.8	32.13	NNW OF VISOKOI ISLAND
#-193	2/9	14	56	39.11	-5.97	154.44	41.8	6.0	93.21	WNW OF PANGUNA, PAPUA NEW GUINEA
#-194	2/9	17	53	0.45	-15.06	-71.92	108.2	5.0	83.17	ENE OF ORCOPAMPA, PERU
#-195	2/9	22	38	44.21	-17.91	-172.60	37.0	4.6	90.18	ENE OF NEIAFU, TONGA
#-196	2/10	11	0	10.00	-22.17	-68.76	104.5	5.2	75.45	NNE OF CALAMA, CHILE
#-197	2/10	11	41	42.84	-37.07	-96.49	10.0	5.0	68.96	SOUTHEAST OF EASTER ISLAND
#-198	2/10	12	6	47.29	40.29	48.80	64.7	5.4	109.54	N OF MUGHAN, AZERBAIJAN
#-199	2/10	15	49	39.44	-15.14	167.45	120.3	4.7	88.34	ESE OF PORT-OLRY, VANUATU
#-200	2/10	18	6	17.93	-8.21	124.53	18.6	5.5	80.74	NNW OF ATAMBUA, INDONESIA
#-201	2/10	20	22	31.36	-15.66	-177.70	444.3	4.6	91.40	SSE OF SIGAVE, WALLIS AND FUTUNA
#-202	2/10	21	49	43.46	-29.01	-176.85	10.0	4.9	78.53	ENE OF RAOUL ISLAND, NEW ZEALAND
#-203	2/11	10	16	57.83	-6.18	130.81	72.0	5.0	84.88	NNW OF SAUMLAKI, INDONESIA
#-204	2/12	0	9	37.32	-15.04	167.33	120.9	5.2	88.41	E OF PORT-OLRY, VANUATU
#-205	2/12	9	19	49.06	35.91	82.59	10.0	6.9	109.71	ESE OF HOTAN, CHINA
#-206	2/12	9	24	43.01	35.82	82.47	10.0	5.7	109.61	ESE OF HOTAN, CHINA
#-207	2/12	10	46	22.00	-31.30	-68.70	112.0	4.6	66.93	NW OF ALBARDON, ARGENTINA
#-208	2/12	11	43	10.00	-22.35	-68.81	99.9	5.6	75.30	NE OF CALAMA, CHILE
#-209	2/12	13	10	16.91	-8.51	109.18	72.1	4.6	75.03	S OF KARANGBADAR KIDUL, INDONESIA
#-210	2/12	13	35	23.51	-34.75	-71.62	44.9	5.2	64.63	WSW OF SANTA CRUZ, CHILE
#-211	2/12	14	39	43.89	-18.48	-175.73	182.9	4.5	89.04	W OF NEIAFU, TONGA
#-212	2/12	14	40	43.15	-17.98	-177.86	462.8	4.5	89.10	FIJI REGION
#-213	2/12	19	22	52.30	-20.67	169.88	10.0	5.5	83.67	SSE OF ISANGEL, VANUATU
#-214	2/12	19	22	53.35	-20.63	169.85	12.3	5.6	83.71	SSE OF ISANGEL, VANUATU
#-215	2/13	1	41	4.50	-32.82	-178.87	21.1	4.9	74.43	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-216	2/13	11	17	10.37	-6.27	155.04	113.8	4.6	93.11	W OF PANGUNA, PAPUA NEW GUINEA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-217	2/13	12	51	46.30	-24.16	-179.74	517.8	4.5	82.69	SOUTH OF THE FIJI ISLANDS
#-218	2/13	14	52	14.70	-10.95	165.98	48.5	4.5	91.96	SSE OF LATA, SOLOMON ISLANDS
#-219	2/13	15	41	8.77	-6.13	133.39	43.2	5.0	85.84	SE OF TUAL, INDONESIA
#-220	2/13	18	57	35.37	9.19	58.16	10.0	5.2	79.35	CARLSBERG RIDGE
#-221	2/14	7	44	15.06	-22.96	-114.33	12.0	5.6	86.02	EASTER ISLAND REGION
#-222	2/14	8	9	17.84	-57.09	-6.02	10.0	4.8	22.87	SOUTHERN MID-ATLANTIC RIDGE
#-223	2/14	14	30	31.18	-3.38	146.08	10.0	4.7	92.86	SW OF LORENGAU, PAPUA NEW GUINEA
#-224	2/14	15	51	55.14	-32.63	-179.48	72.5	4.6	74.50	SSW OF L'ESPERANCE ROCK, NEW ZEALAND
#-225	2/14	18	20	53.67	-12.19	166.04	51.7	4.9	90.78	S OF LATA, SOLOMON ISLANDS
#-226	2/14	21	40	38.47	-34.69	-178.86	10.2	4.6	72.61	SOUTH OF THE KERMADEC ISLANDS
#-227	2/15	7	31	19.40	38.30	20.39	25.3	5.0	108.19	NNW OF LIXOURION, GREECE
#-228	2/15	12	52	38.00	-22.47	-68.72	101.8	4.9	75.16	E OF CALAMA, CHILE
#-229	2/16	2	53	7.27	-18.97	-175.50	180.2	4.8	88.61	NW OF PANGAI, TONGA
#-230	2/16	12	0	23.94	4.87	126.04	126.5	4.9	93.48	SE OF SARANGANI, PHILIPPINES
#-231	2/16	13	50	23.68	-44.11	168.36	14.8	4.7	60.87	NW OF WANAKA, NEW ZEALAND
#-232	2/16	14	22	5.83	-6.94	146.84	86.4	5.1	89.77	SSW OF LAE, PAPUA NEW GUINEA
#-233	2/17	0	34	34.00	-31.71	-71.80	32.4	5.1	67.51	W OF ILLAPEL, CHILE
#-234	2/17	0	46	57.60	-14.73	167.27	118.4	4.8	88.69	NNE OF PORT-OLRY, VANUATU
#-235	2/17	1	6	4.43	-30.09	-177.78	34.3	5.4	77.30	S OF RAOUL ISLAND, NEW ZEALAND
#-236	2/17	3	50	42.11	0.20	120.25	86.1	4.5	87.06	SSW OF TINABOGAN, INDONESIA
#-237	2/17	5	27	36.64	-22.38	-174.94	6.0	5.4	85.37	S OF `OHONUA, TONGA
#-238	2/17	5	55	59.16	18.53	120.43	20.2	5.5	104.24	WNW OF DAVILA, PHILIPPINES
#-239	2/17	6	5	53.64	-35.37	-110.99	10.0	4.7	73.29	SOUTHERN EAST PACIFIC RISE
#-240	2/17	9	41	36.17	6.54	-71.70	42.9	5.4	103.42	NNE OF TAME, COLOMBIA
#-241	2/17	12	12	5.05	-17.99	-173.08	28.1	4.9	90.02	NE OF NEIAFU, TONGA
#-242	2/17	13	59	38.04	53.53	-163.58	28.7	5.0	161.34	S OF FALSE PASS, ALASKA
#-243	2/17	16	52	40.07	-30.33	-176.37	23.6	4.7	77.33	SE OF RAOUL ISLAND, NEW ZEALAND
#-244	2/17	18	32	19.02	-22.35	171.62	124.5	4.8	82.49	W OF ILE HUNTER, NEW CALEDONIA
#-245	2/17	20	26	25.08	-0.27	-16.24	10.0	4.8	77.96	NORTH OF ASCENSION ISLAND
#-246	2/17	20	54	45.36	-0.05	-16.33	10.0	4.8	78.20	NORTH OF ASCENSION ISLAND
#-247	2/18	3	8	27.34	-18.56	-177.76	609.7	4.6	88.56	NNE OF NDOI ISLAND, FIJI
#-248	2/18	3	20	12.04	-23.18	-174.67	68.6	4.7	84.63	S OF `OHONUA, TONGA
#-249	2/18	3	34	12.57	1.75	122.88	43.3	5.3	89.45	NNW OF BOROKO, INDONESIA
#-250	2/18	8	14	42.54	-34.80	-179.42	27.0	5.6	72.40	SOUTH OF THE KERMADEC ISLANDS
#-251	2/18	8	16	53.50	-34.81	-179.09	10.0	4.9	72.46	SOUTH OF THE KERMADEC ISLANDS
#-252	2/18	9	27	13.12	14.67	-58.93	14.8	6.5	106.51	NNE OF BATHSHEBA, BARBADOS

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-253	2/18	9	59	52.26	-34.70	-179.27	10.0	4.8	72.52	SOUTH OF THE KERMADEC ISLANDS
#-254	2/18	10	12	15.64	-4.92	153.78	112.2	5.8	93.98	ESE OF TARON, PAPUA NEW GUINEA
#-255	2/18	13	48	1.26	-6.65	127.34	395.8	4.6	83.19	NE OF DILI, EAST TIMOR
#-256	2/18	14	16	18.67	-5.64	148.24	50.7	5.0	91.47	NNE OF FINSCHHAFEN, PAPUA NEW GUINEA
#-257	2/18	14	41	36.16	-44.27	38.23	13.5	4.6	24.75	N OF MARION ISLAND, PRINCE EDWARD ISL.
#-258	2/18	16	15	38.81	-5.27	152.16	52.6	5.1	93.12	S OF KOKOPO, PAPUA NEW GUINEA
#-259	2/18	23	35	58.27	-14.16	-75.60	57.0	5.9	85.19	ENE OF SANTIAGO, PERU
#-260	2/19	4	22	12.03	-22.04	-175.96	30.4	4.5	85.51	SW OF VAINI, TONGA
#-261	2/19	5	56	58.85	6.30	125.74	165.4	4.5	94.72	ENE OF TALAGUTONG, PHILIPPINES
#-262	2/19	11	10	12.47	9.61	-69.67	10.0	5.3	105.61	S OF SANARE, VENEZUELA
#-263	2/19	11	14	11.06	6.09	126.17	139.8	4.6	94.67	S OF PONDAGUITAN, PHILIPPINES
#-264	2/19	12	49	6.33	52.19	143.46	15.2	5.1	142.41	NNE OF NOGLIKI, RUSSIA
#-265	2/19	15	16	3.72	-23.70	-179.78	500.9	4.7	83.13	SOUTH OF THE FIJI ISLANDS
#-266	2/20	4	9	55.95	-14.17	-14.55	10.0	5.3	64.23	SOUTHERN MID-ATLANTIC RIDGE
#-267	2/20	5	18	22.65	-32.30	-178.81	35.0	5.2	74.94	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-268	2/20	16	28	50.46	-36.41	-39.59	14.8	5.0	52.33	SOUTH ATLANTIC OCEAN
#-269	2/22	22	39	32.23	-60.24	-47.27	10.0	5.5	34.71	SCOTIA SEA
#-270	2/23	11	55	53.88	-20.37	-178.39	584.0	4.7	86.67	NE OF NDOI ISLAND, FIJI
#-271	2/23	12	4	56.72	-19.86	-175.43	142.1	4.6	87.75	W OF PANGAI, TONGA
#-272	2/23	15	6	51.23	-1.10	120.20	20.0	5.3	85.83	ESE OF PALU, INDONESIA
#-273	2/23	16	54	47.83	-18.92	-175.85	10.0	4.7	88.59	WNW OF PANGAI, TONGA
#-274	2/23	21	21	15.39	-9.82	117.96	33.7	5.0	76.89	S OF PISANGKEMENG, INDONESIA
#-275	2/23	23	40	2.60	-23.85	-68.79	105.8	4.9	73.90	SSW OF SAN PEDRO DE ATACAMA, CHILE
#-276	2/24	1	19	40.39	-15.96	-174.55	10.0	4.6	91.73	W OF HIHIFO, TONGA
#-277	2/24	3	18	12.33	2.12	128.07	41.5	4.5	91.64	N OF TOBELO, INDONESIA
#-278	2/24	14	14	47.78	-21.06	-178.53	588.1	4.5	85.96	SSE OF NDOI ISLAND, FIJI
#-279	2/24	18	55	12.20	-19.29	-177.68	564.9	4.8	87.87	NE OF NDOI ISLAND, FIJI
#-280	2/24	21	56	1.59	0.56	126.19	30.4	5.3	89.52	W OF KOTA TERNATE, INDONESIA
#-281	2/24	23	26	55.07	4.13	62.88	4.0	5.6	74.96	CARLSBERG RIDGE
#-282	2/24	23	31	41.14	4.05	62.71	10.0	4.9	74.86	CARLSBERG RIDGE
#-283	2/24	23	32	47.53	4.13	62.63	10.0	5.6	74.93	CARLSBERG RIDGE
#-284	2/24	23	43	56.99	3.77	62.53	10.0	5.1	74.56	CARLSBERG RIDGE
#-285	2/24	23	47	6.09	4.06	62.60	10.0	5.5	74.85	CARLSBERG RIDGE
#-286	2/24	23	59	45.78	4.22	62.52	10.0	5.5	75.00	CARLSBERG RIDGE
#-287	2/25	1	49	4.72	0.60	120.50	89.3	5.0	87.53	S OF TINABOGAN, INDONESIA
#-288	2/25	2	1	24.49	4.36	62.56	10.0	5.4	75.14	CARLSBERG RIDGE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-289	2/25	4	42	39.54	-0.34	125.16	62.8	5.0	88.30	SE OF MODAYAG, INDONESIA
#-290	2/25	15	43	31.90	-59.40	-59.97	15.0	5.1	39.18	DRAKE PASSAGE
#-291	2/25	16	5	1.18	-18.64	-174.69	83.4	4.7	89.08	W OF NEIAFU, TONGA
#-292	2/26	0	53	25.55	14.36	56.26	10.0	4.7	84.27	OWEN FRACTURE ZONE REGION
#-293	2/26	9	55	42.85	-26.82	-114.18	10.0	4.8	82.19	EASTER ISLAND REGION
#-294	2/26	14	53	13.87	-25.89	179.92	485.1	4.8	80.93	SOUTH OF THE FIJI ISLANDS
#-295	3/1	0	56	46.48	-3.51	131.08	34.7	4.6	87.47	E OF AMAHAI, INDONESIA
#-296	3/1	2	16	38.86	32.18	-40.26	10.0	5.2	116.16	NORTHERN MID-ATLANTIC RIDGE
#-297	3/1	3	32	11.59	-31.29	179.99	378.1	4.6	75.69	W OF L'ESPERANCE ROCK, NEW ZEALAND
#-298	3/1	6	6	28.31	11.04	91.86	29.7	4.6	88.08	SW OF BAMBOO FLAT, INDIA
#-299	3/1	15	40	22.31	-56.04	-28.08	144.0	4.7	144.00	NW OF VISOKOI ISLAND
#-300	3/2	6	44	17.54	-25.15	179.82	482.3	4.6	81.63	SOUTH OF THE FIJI ISLANDS
#-301	3/2	8	50	2.72	0.23	126.27	26.3	5.0	89.23	WSW OF KOTA TERNATE, INDONESIA
#-302	3/2	8	52	14.58	-42.95	-82.91	10.0	4.9	60.17	WEST CHILE RISE
#-303	3/2	9	37	54.84	12.56	-87.69	60.0	6.2	114.33	SW OF JIQUILILLO, NICARAGUA
#-304	3/2	9	41	23.63	12.42	-87.82	71.8	5.0	114.23	SW OF JIQUILILLO, NICARAGUA
#-305	3/2	11	14	39.68	-45.77	-76.60	10.0	5.3	55.88	W OF PUERTO CHACABUCO, CHILE
#-306	3/2	15	42	1.93	-21.26	-174.08	10.0	5.3	86.62	E OF `OHONUA, TONGA
#-307	3/2	15	45	5.43	-1.20	120.35	55.5	4.6	85.79	NW OF KASIGUNCU, INDONESIA
#-308	3/2	16	18	28.28	-45.83	-76.68	10.0	5.1	55.84	OFF THE COAST OF AISEN, CHILE
#-309	3/2	17	3	41.70	-45.72	-76.61	10.0	5.4	55.92	W OF PUERTO CHACABUCO, CHILE
#-310	3/2	19	38	56.37	-6.29	154.84	45.0	5.8	93.04	W OF PANGUNA, PAPUA NEW GUINEA
#-311	3/2	20	11	23.43	27.43	127.37	119.0	6.5	114.90	NNW OF NAGO, JAPAN
#-312	3/2	20	55	14.00	-19.17	-69.33	110.5	4.5	78.46	SSE OF PUTRE, CHILE
#-313	3/2	22	17	14.40	14.18	-93.15	18.5	6.0	117.51	SW OF PUERTO MADERO, MEXICO
#-314	3/2	22	26	7.00	14.18	-93.23	10.0	5.1	117.53	SW OF PUERTO MADERO, MEXICO
#-315	3/3	3	17	47.00	-33.06	-71.94	31.7	5.1	66.30	W OF VALPARAISO, CHILE
#-316	3/3	7	39	13.34	-15.04	170.77	655.2	4.5	89.32	VANUATU REGION
#-317	3/3	8	50	24.49	-55.89	-26.06	35.0	4.6	30.94	NE OF VISOKOI ISLAND
#-318	3/3	12	32	50.64	-1.21	127.51	21.6	4.7	88.33	NW OF LAIWUI, INDONESIA
#-319	3/3	13	20	50.15	1.17	127.20	150.8	4.8	90.45	NNW OF KOTA TERNATE, INDONESIA
#-320	3/3	16	10	41.77	-17.81	-178.67	565.4	5.1	89.11	SE OF LAMBASA, FIJI
#-321	3/3	16	22	21.05	-16.89	-173.19	10.0	4.9	91.07	SSE OF HIHIFO, TONGA
#-322	3/4	2	11	18.71	-7.11	129.68	128.5	4.6	83.60	WNW OF SAUMLAKI, INDONESIA
#-323	3/4	5	49	6.43	30.83	141.05	54.6	5.0	122.86	SSE OF HACHIJO-JIMA, JAPAN
#-324	3/4	6	44	48.99	-15.33	167.52	120.6	4.7	88.19	ENE OF LUGANVILLE, VANUATU

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-325	3/4	10	51	15.57	-33.60	-71.96	20.0	5.7	65.80	W OF SAN ANTONIO, CHILE
#-326	3/4	10	56	34.00	-33.63	-71.90	18.5	5.1	65.75	W OF SAN ANTONIO, CHILE
#-327	3/4	11	17	19.00	-33.62	-71.91	40.2	4.8	65.77	W OF SAN ANTONIO, CHILE
#-328	3/4	11	24	19.00	-35.16	-72.00	54.9	4.9	64.36	NW OF TALCA, CHILE
#-329	3/4	21	21	34.16	-56.55	-26.57	105.2	4.9	30.61	ENE OF VISOKOI ISLAND
#-330	3/4	23	14	15.17	-33.09	105.96	10.1	4.6	51.15	WEST OF AUSTRALIA
#-331	3/5	9	56	57.84	-14.74	169.82	638.0	6.3	89.37	ESE OF SOLA, VANUATU
#-332	3/5	11	30	43.50	-21.85	-173.84	10.0	4.8	86.10	ESE OF `OHONUA, TONGA
#-333	3/5	14	5	35.66	-5.52	147.23	233.4	4.7	91.24	NNE OF LAE, PAPUA NEW GUINEA
#-334	3/5	14	21	35.90	-32.61	-178.13	10.0	4.7	74.78	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-335	3/5	17	34	19.59	-14.79	167.25	109.6	5.6	88.62	NE OF PORT-OLRY, VANUATU
#-336	3/5	17	45	40.32	-14.56	169.95	627.2	4.7	89.57	ESE OF SOLA, VANUATU
#-337	3/5	22	27	6.39	-5.75	154.12	33.0	5.6	93.31	WNW OF PANGUNA, PAPUA NEW GUINEA
#-338	3/6	0	23	19.29	-0.18	122.91	140.9	5.1	87.65	SSW OF BILUNGALA, INDONESIA
#-339	3/6	4	37	5.00	-33.33	-71.28	59.7	5.3	65.84	SSE OF VILLA ALEMANA, CHILE
#-340	3/6	7	59	57.04	-5.87	154.42	35.0	4.5	93.29	WNW OF PANGUNA, PAPUA NEW GUINEA
#-341	3/6	10	23	59.87	-7.64	117.13	299.2	5.1	78.63	N OF UTAN, INDONESIA
#-342	3/6	18	44	1.81	0.18	126.25	44.6	4.5	89.18	WSW OF KOTA TERNATE, INDONESIA
#-343	3/7	1	32	45.15	-60.63	-26.69	22.7	4.7	27.64	S OF BRISTOL ISLAND, SOUTH SANDWICH ISL.
#-344	3/7	13	22	8.45	-28.00	-176.79	10.0	5.0	79.53	NE OF RAOUL ISLAND, NEW ZEALAND
#-345	3/7	16	0	7.27	-33.26	-178.53	101.7	4.9	74.07	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-346	3/7	16	14	53.88	-4.56	103.81	117.8	5.3	76.93	N OF KURIPAN, INDONESIA
#-347	3/7	21	23	22.68	-6.28	147.83	43.4	5.1	90.73	N OF FINSCHHAFEN, PAPUA NEW GUINEA
#-348	3/8	0	7	36.29	-24.38	-67.04	164.3	4.5	72.83	WSW OF SAN ANTONIO DE LOS COBRES, ARG.
#-349	3/8	3	37	52.51	-4.22	133.70	10.0	5.2	87.74	NNW OF DOBO, INDONESIA
#-350	3/8	7	3	59.94	-19.20	169.09	164.5	4.7	84.88	NNW OF ISANGEL, VANUATU
#-351	3/8	7	14	10.43	-53.19	9.46	12.0	5.4	20.90	SOUTHWEST OF AFRICA
#-352	3/8	7	20	23.20	-32.34	-178.07	10.0	4.6	75.05	SE OF L'ESPERANCE ROCK, NEW ZEALAND
#-353	3/8	18	29	8.03	-60.65	-19.06	9.2	5.4	24.95	EAST OF THE SOUTH SANDWICH ISLANDS
#-354	3/8	18	56	53.31	0.31	126.21	5.9	5.2	89.29	WSW OF KOTA TERNATE, INDONESIA
#-355	3/8	20	56	55.01	-10.27	161.40	76.9	5.3	91.28	WNW OF KIRAKIRA, SOLOMON ISLANDS
#-356	3/9	12	15	20.92	-9.16	158.99	5.9	4.7	91.61	WNW OF HONIARA, SOLOMON ISLANDS
#-357	3/9	12	16	34.03	-5.55	147.63	243.9	5.0	91.35	NNW OF FINSCHHAFEN, PAPUA NEW GUINEA
#-358	3/9	13	42	18.99	-8.89	113.08	79.0	5.3	76.03	SSE OF PUJIHARJO, INDONESIA
#-359	3/9	15	15	48.69	-37.41	177.13	152.5	4.5	69.19	NNE OF WHAKATANE, NEW ZEALAND
#-360	3/9	15	32	57.63	-22.02	172.49	68.5	4.6	83.02	NE OF ILE HUNTER, NEW CALEDONIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-361	3/9	15	48	43.00	-32.24	-71.59	25.4	4.5	66.95	NW OF LA LIGUA, CHILE
#-362	3/9	16	2	59.69	19.19	95.72	24.9	5.1	96.97	ESE OF MYAYDO, BURMA
#-363	3/9	16	11	15.60	-20.60	-177.75	515.4	4.8	86.57	E OF NDOI ISLAND, FIJI
#-364	3/9	16	12	15.43	-15.20	-175.66	332.0	5.1	92.26	SSE OF MATA-UTU, WALLIS AND FUTUNA
#-365	3/9	17	24	12.10	-4.42	102.14	58.7	4.7	76.50	SSW OF BENGKULU, INDONESIA
#-366	3/10	0	38	15.10	16.04	-98.34	8.4	5.8	120.74	SW OF SANTIAGO PINOTEPA NACIONAL, MEXICO
#-367	3/10	2	50	0.15	4.17	124.49	316.9	4.8	92.28	SW OF SARANGANI, PHILIPPINES
#-368	3/10	3	52	4.14	-25.35	179.65	481.6	4.6	81.40	SOUTH OF THE FIJI ISLANDS
#-369	3/10	5	18	13.40	40.83	-125.13	16.6	6.8	150.59	WNW OF FERNDALE, CALIFORNIA
#-370	3/10	13	15	0.37	-8.30	109.20	88.7	4.7	75.24	SSE OF KARANGBADAR KIDUL, INDONESIA
#-371	3/10	13	21	13.69	-15.29	-178.40	446.3	4.5	91.62	SSW OF SIGAVE, WALLIS AND FUTUNA
#-372	3/10	13	25	25.26	-20.08	-178.55	584.3	4.7	86.92	NNE OF NDOI ISLAND, FIJI
#-373	3/10	13	28	21.76	-14.48	167.43	196.0	5.1	88.98	S OF SOLA, VANUATU
#-374	3/10	17	33	29.00	-5.48	147.96	260.0	5.9	91.52	N OF FINSCHHAFEN, PAPUA NEW GUINEA
#-375	3/10	17	45	38.73	-31.68	-177.73	254.1	4.5	75.76	ESE OF L'ESPERANCE ROCK, NEW ZEALAND
#-376	3/10	18	3	58.40	-46.06	34.93	10.0	4.8	23.04	WNW OF MARION ISLAND, PRINCE EDWARD ISL.
#-377	3/10	22	30	43.13	-27.78	-177.90	121.8	4.7	79.53	N OF RAOUL ISLAND, NEW ZEALAND
#-378	3/11	2	44	5.83	-60.86	-19.98	10.0	6.4	25.13	EAST OF THE SOUTH SANDWICH ISLANDS
#-379	3/11	16	13	53.93	-20.74	-178.57	585.4	4.7	86.27	SE OF NDOI ISLAND, FIJI
#-380	3/11	20	4	31.36	35.72	140.16	58.5	5.0	126.97	W OF SAKURA, JAPAN
#-381	3/11	22	3	9.81	-3.09	148.55	7.0	6.1	93.98	SE OF LORENGAU, PAPUA NEW GUINEA
#-382	3/12	0	3	57.29	-19.31	-175.75	174.8	4.6	88.22	WNW OF PANGAI, TONGA
#-383	3/12	0	31	44.47	44.31	-129.08	10.0	5.1	154.56	OFF THE COAST OF OREGON
#-384	3/12	8	4	4.53	-25.40	178.43	609.1	4.6	81.10	SOUTH OF THE FIJI ISLANDS
#-385	3/12	13	14	36.43	1.89	124.11	324.7	4.5	90.02	WNW OF MANADO, INDONESIA
#-386	3/12	14	10	34.28	-26.03	179.43	487.0	4.6	80.70	SOUTH OF THE FIJI ISLANDS
#-387	3/12	17	0	40.93	-18.07	-66.92	276.4	4.5	78.69	NE OF MACHACAMARCA, BOLIVIA
#-388	3/12	17	54	3.14	-49.30	69.62	19.4	4.5	24.65	W OF PORT-AUX-FRANCAIS, FRENCH SOUTHERN TERRITORIES
#-389	3/12	18	15	11.36	-49.32	69.55	19.6	4.9	24.61	W OF PORT-AUX-FRANCAIS, FRENCH SOUTHERN TERRITORIES
#-390	3/12	18	18	41.07	52.14	153.09	422.8	4.8	145.78	WNW OF OZERNOVSKIY, RUSSIA
#-391	3/12	19	25	41.56	-23.59	-175.09	14.9	5.6	84.16	S OF `OHONUA, TONGA
#-392	3/12	19	29	25.53	-23.85	-175.14	10.0	4.8	83.89	S OF `OHONUA, TONGA
#-393	3/12	20	10	31.69	-23.14	-175.28	10.0	5.0	84.56	S OF `OHONUA, TONGA
#-394	3/13	1	4	18.07	-22.69	-174.97	10.0	4.8	85.06	S OF `OHONUA, TONGA
#-395	3/13	1	13	37.49	-23.30	-174.81	10.0	4.7	84.50	S OF `OHONUA, TONGA
#-396	3/13	2	28	10.80	1.94	96.60	27.9	4.5	80.77	SSE OF SINABANG, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-397	3/13	6	9	22.28	-23.28	-175.31	10.0	5.1	84.42	S OF `OHONUA, TONGA
#-398	3/13	8	22	4.58	-23.30	-174.97	10.0	4.6	84.46	S OF `OHONUA, TONGA
#-399	3/13	9	23	59.91	-48.88	123.79	10.0	4.5	43.55	WESTERN INDIAN-ANTARCTIC RIDGE
#-400	3/13	13	20	59.00	51.21	-179.11	25.8	5.4	154.72	S OF AMATIGNAK ISLAND, ALASKA
#-401	3/13	17	6	50.77	33.68	131.82	79.0	6.3	122.17	NNE OF KUNISAKI-SHI, JAPAN
#-402	3/13	17	12	32.46	-60.76	-19.69	10.0	5.3	25.10	EAST OF THE SOUTH SANDWICH ISLANDS
#-403	3/13	18	49	54.19	-16.64	167.18	25.7	4.6	86.84	SSW OF LAKATORO, VANUATU
#-404	3/13	23	12	55.49	26.89	140.12	521.4	4.8	118.94	W OF CHICHI-SHIMA, JAPAN
#-405	3/13	23	43	7.82	-23.55	-176.74	113.2	4.5	83.88	SOUTH OF THE FIJI ISLANDS
#-406	3/14	3	22	34.17	-2.99	129.73	27.3	5.1	87.46	ENE OF AMAHAI, INDONESIA
#-407	3/14	4	39	6.60	2.78	128.12	145.4	4.5	92.28	N OF TOBELO, INDONESIA
#-408	3/14	4	51	24.00	3.08	127.06	35.6	4.5	92.18	NW OF TOBELO, INDONESIA
#-409	3/14	6	56	3.92	-14.20	-73.97	75.9	4.7	84.64	NNE OF PUQUIO, PERU
#-410	3/14	12	22	34.00	-32.08	-71.55	72.4	4.6	67.09	NW OF LA LIGUA, CHILE
#-411	3/14	13	38	6.20	7.76	94.31	10.0	5.5	85.65	ESE OF MOHEAN, INDIA
#-412	3/14	16	23	46.80	-22.09	-175.03	19.6	4.6	85.64	S OF `OHONUA, TONGA
#-413	3/14	17	34	38.50	-41.13	-90.96	16.0	5.0	63.85	SOUTHEAST OF EASTER ISLAND
#-414	3/14	17	51	55.09	-15.80	-178.95	547.0	4.6	91.01	SSW OF SIGAVE, WALLIS AND FUTUNA
#-415	3/14	20	32	9.63	-53.51	25.24	11.3	5.5	16.76	SOUTH OF AFRICA
#-416	3/14	22	49	56.34	-23.31	-175.18	10.0	4.9	84.42	S OF `OHONUA, TONGA
#-417	3/15	2	59	28.89	13.77	57.11	10.0	5.2	83.77	OWEN FRACTURE ZONE REGION
#-418	3/15	6	5	48.38	-13.90	-75.80	41.1	4.8	85.50	NNW OF SUBTANJALLA, PERU
#-419	3/15	8	59	21.86	-14.08	-76.31	20.0	6.1	85.49	S OF PARACAS, PERU
#-420	3/15	9	9	4.93	-15.38	-72.23	105.7	4.7	82.96	SE OF ORCOPAMPA, PERU
#-421	3/15	9	37	27.74	-3.99	100.43	14.0	5.3	76.35	W OF BENGKULU, INDONESIA
#-422	3/15	9	43	22.99	-4.13	100.37	14.2	4.8	76.20	W OF BENGKULU, INDONESIA
#-423	3/15	9	48	46.00	-21.32	-69.89	53.6	4.9	76.62	NNE OF TOCOPILLA, CHILE
#-424	3/15	10	55	11.73	10.58	126.70	10.0	5.3	99.04	NE OF SAN ISIDRO, PHILIPPINES
#-425	3/15	10	58	46.16	2.84	99.07	171.6	5.4	82.40	S OF PEMATANGSIANTAR, INDONESIA
#-426	3/15	14	20	59.52	-49.35	69.45	10.0	4.6	24.56	W OF PORT-AUX-FRANCAIS, FRENCH SOUTHERN TERRITORIES
#-427	3/15	14	46	28.00	-34.74	-71.78	44.6	5.1	64.69	WSW OF SANTA CRUZ, CHILE
#-428	3/15	14	57	1.11	-49.22	69.58	15.9	4.7	24.71	WNW OF PORT-AUX-FRANCAIS, FRENCH SOUTHERN TERRITORIES
#-429	3/15	19	27	46.52	-14.33	65.99	10.0	4.7	57.29	MID-INDIAN RIDGE
#-430	3/15	20	14	23.70	-19.40	-71.06	5.3	4.7	78.81	SW OF ARICA, CHILE
#-431	3/15	20	47	11.17	-23.03	-175.44	10.0	4.6	84.64	SSW OF `OHONUA, TONGA
#-432	3/15	23	51	32.97	-5.57	-80.97	29.0	6.3	95.02	W OF SECHURA, PERU

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-433	3/16	1	0	14.80	-7.45	126.03	423.7	5.0	81.98	NNE OF DILI, EAST TIMOR
#-434	3/16	10	6	23.34	-15.72	-173.79	52.6	4.6	92.11	N OF HIHIFO, TONGA
#-435	3/16	11	15	23.84	-15.74	-179.49	10.0	4.8	90.95	ENE OF LAMBASA, FIJI
#-436	3/16	21	16	29.60	-19.98	-70.70	20.0	6.7	78.14	WNW OF IQUIQUE, CHILE
#-437	3/16	22	54	6.53	-19.78	-70.77	16.1	5.0	78.35	NW OF IQUIQUE, CHILE
#-438	3/17	0	12	9.62	-20.03	-70.68	10.0	5.1	78.09	WNW OF IQUIQUE, CHILE
#-439	3/17	0	35	26.50	-4.10	100.40	11.4	4.9	76.24	W OF BENGKULU, INDONESIA
#-440	3/17	1	34	55.33	-19.96	-70.86	10.0	5.2	78.22	WNW OF IQUIQUE, CHILE
#-441	3/17	4	14	50.92	-17.96	-70.49	84.4	4.6	79.98	WNW OF TACNA, PERU
#-442	3/17	4	51	0.07	-19.95	-176.08	204.7	4.8	87.53	NW OF NUKU`ALOFA, TONGA
#-443	3/17	5	11	34.86	-20.02	-70.88	21.0	6.4	78.17	WNW OF IQUIQUE, CHILE
#-444	3/17	5	19	34.29	-19.96	-70.85	10.0	5.0	78.21	WNW OF IQUIQUE, CHILE
#-445	3/17	5	21	36.89	-19.98	-70.79	10.0	5.1	78.17	WNW OF IQUIQUE, CHILE
#-446	3/17	7	12	20.32	-3.46	131.57	43.2	4.8	87.69	NNW OF TUAL, INDONESIA
#-447	3/17	8	32	35.84	-19.99	-70.76	8.0	5.2	78.16	WNW OF IQUIQUE, CHILE
#-448	3/17	8	51	4.35	-19.99	-70.77	12.5	4.7	78.16	WNW OF IQUIQUE, CHILE
#-449	3/17	9	2	52.85	36.94	141.47	30.2	5.0	128.52	ESE OF IWAKI, JAPAN
#-450	3/17	11	12	14.27	-19.94	-70.91	12.6	4.9	78.25	WNW OF IQUIQUE, CHILE
#-451	3/17	13	12	55.12	24.11	122.42	22.4	5.4	110.11	SW OF YONAKUNI, JAPAN
#-452	3/17	13	24	48.91	-53.17	-32.32	6.0	5.8	35.31	SOUTH GEORGIA ISLAND REGION
#-453	3/17	19	5	26.80	-20.02	-70.76	8.0	4.8	78.13	WNW OF IQUIQUE, CHILE
#-454	3/17	23	2	55.66	-28.86	-67.00	135.3	4.6	68.65	SSW OF ARAUCO, ARGENTINA
#-455	3/18	3	12	34.17	-45.53	-77.00	10.0	4.7	56.20	OFF THE COAST OF AISEN, CHILE
#-456	3/18	5	6	21.79	-5.33	152.91	35.0	5.0	93.31	S OF TARON, PAPUA NEW GUINEA
#-457	3/18	9	24	37.53	-5.37	152.98	35.3	4.7	93.30	S OF TARON, PAPUA NEW GUINEA
#-458	3/18	11	8	20.94	-30.38	-177.98	10.0	4.6	76.98	S OF RAOUL ISLAND, NEW ZEALAND
#-459	3/18	14	35	56.85	-20.19	-70.79	14.0	5.0	77.97	W OF IQUIQUE, CHILE
#-460	3/18	21	26	45.40	-19.93	-70.80	3.3	5.8	78.22	WNW OF IQUIQUE, CHILE
#-461	3/18	21	33	6.35	-19.98	-70.91	9.1	5.1	78.21	WNW OF IQUIQUE, CHILE
#-462	3/18	21	55	38.77	-20.01	-70.92	7.2	4.7	78.18	WNW OF IQUIQUE, CHILE
#-463	3/19	6	13	36.23	-56.48	-27.59	118.9	4.5	31.03	NW OF VISOKOI ISLAND
#-464	3/19	6	25	6.47	0.18	129.93	49.9	4.9	90.50	NW OF SORONG, INDONESIA
#-465	3/19	12	19	26.02	24.11	122.26	20.0	5.8	110.06	ENE OF HUALIAN, TAIWAN
#-466	3/19	14	38	9.66	-6.05	130.64	124.3	5.2	84.94	NNW OF SAUMLAKI, INDONESIA
#-467	3/19	14	56	49.41	4.13	126.79	58.7	4.7	93.06	SE OF SARANGANI, PHILIPPINES
#-468	3/19	16	0	23.16	-27.88	-177.13	30.7	5.8	79.58	NNE OF RAOUL ISLAND, NEW ZEALAND

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-469	3/19	18	52	34.88	-17.53	-172.83	8.5	4.8	90.51	NE OF NEIAFU, TONGA
#-470	3/19	19	59	44.50	-49.44	117.29	10.0	4.7	40.84	WESTERN INDIAN-ANTARCTIC RIDGE
#-471	3/19	20	17	43.54	-60.73	-25.33	10.0	5.5	27.09	SSE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-472	3/20	5	38	20.78	-7.08	129.70	133.1	4.6	83.64	WNW OF SAUMLAKI, INDONESIA
#-473	3/20	7	42	14.96	-8.71	148.09	122.1	4.6	88.53	WNW OF POPONDETTA, PAPUA NEW GUINEA
#-474	3/20	9	15	23.98	-4.85	153.69	119.1	4.5	94.02	ESE OF TARON, PAPUA NEW GUINEA
#-475	3/20	12	12	38.09	-7.15	129.50	128.3	4.5	83.50	WNW OF SAUMLAKI, INDONESIA
#-476	3/20	17	1	21.69	-5.17	152.81	35.0	5.4	93.43	SSW OF TARON, PAPUA NEW GUINEA
#-477	3/20	17	55	52.31	11.55	-87.14	47.1	5.0	113.20	WSW OF MASACHAPA, NICARAGUA
#-478	3/20	18	41	31.79	-24.03	-69.06	93.2	5.1	73.82	ESE OF ANTOFAGASTA, CHILE
#-479	3/20	18	44	14.57	-5.25	152.79	26.2	5.6	93.35	SSW OF TARON, PAPUA NEW GUINEA
#-480	3/20	21	15	10.67	-5.19	152.83	27.0	5.8	93.42	SSW OF TARON, PAPUA NEW GUINEA
#-481	3/20	23	53	53.30	-38.13	-73.26	32.1	4.6	61.99	SSE OF CANETE, CHILE
#-482	3/21	4	39	24.02	-49.66	69.73	10.0	4.7	24.36	SW OF PORT-AUX-FRANCAIS, FRENCH SOUTHERN TERRITORIES
#-483	3/21	10	41	12.20	13.70	57.03	10.0	4.6	83.69	OWEN FRACTURE ZONE REGION
#-484	3/21	11	16	38.16	-40.38	174.65	96.8	4.5	65.81	W OF FOXTON, NEW ZEALAND
#-485	3/21	13	41	9.48	7.74	94.33	21.5	6.4	85.63	ESE OF MOHEAN, INDIA
#-486	3/21	13	50	32.44	7.54	94.31	10.0	4.7	85.43	ESE OF MOHEAN, INDIA
#-487	3/21	13	52	20.15	7.61	94.41	10.0	4.8	85.53	ESE OF MOHEAN, INDIA
#-488	3/21	13	54	33.83	7.77	94.71	10.0	4.9	85.77	E OF MOHEAN, INDIA
#-489	3/21	13	56	40.31	7.28	94.21	10.0	4.8	85.16	SE OF MOHEAN, INDIA
#-490	3/21	14	5	7.74	7.23	94.17	10.0	4.6	85.10	SE OF MOHEAN, INDIA
#-491	3/21	14	11	13.89	7.54	94.27	10.0	5.5	85.42	ESE OF MOHEAN, INDIA
#-492	3/21	14	13	29.11	7.32	94.17	10.0	5.1	85.18	SE OF MOHEAN, INDIA
#-493	3/21	14	16	21.08	7.79	94.27	10.0	4.8	85.66	E OF MOHEAN, INDIA
#-494	3/21	14	18	3.63	7.56	94.32	10.0	4.8	85.45	ESE OF MOHEAN, INDIA
#-495	3/21	14	25	8.91	7.50	94.18	10.0	5.2	85.36	ESE OF MOHEAN, INDIA
#-496	3/21	14	26	44.06	7.32	94.31	10.0	4.8	85.22	ESE OF MOHEAN, INDIA
#-497	3/21	14	47	39.21	7.46	94.40	10.0	4.7	85.38	ESE OF MOHEAN, INDIA
#-498	3/21	15	8	36.38	7.50	94.26	10.0	4.7	85.38	ESE OF MOHEAN, INDIA
#-499	3/21	15	10	21.06	7.35	94.18	10.0	4.6	85.21	SE OF MOHEAN, INDIA
#-500	3/21	15	23	0.07	7.52	94.24	10.0	4.7	85.40	ESE OF MOHEAN, INDIA
#-501	3/21	15	48	25.06	7.77	94.24	10.0	4.7	85.63	ESE OF MOHEAN, INDIA
#-502	3/21	21	3	41.62	7.45	94.30	10.0	5.2	85.34	ESE OF MOHEAN, INDIA
#-503	3/21	21	11	4.60	7.75	94.71	10.0	4.6	85.75	E OF MOHEAN, INDIA
#-504	3/22	0	10	26.20	7.41	94.33	17.4	4.7	85.31	ESE OF MOHEAN, INDIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-505	3/22	0	38	45.00	-5.43	-80.83	37.0	4.9	95.11	WSW OF VICE, PERU
#-506	3/22	12	58	16.83	35.85	82.30	10.0	5.1	109.60	ESE OF HOTAN, CHINA
#-507	3/22	12	59	59.15	-19.76	-70.87	20.0	6.2	78.40	WNW OF IQUIQUE, CHILE
#-508	3/22	13	14	58.40	-19.77	-70.88	24.0	5.2	78.40	WNW OF IQUIQUE, CHILE
#-509	3/22	13	20	55.01	-19.90	-70.84	10.0	4.6	78.27	WNW OF IQUIQUE, CHILE
#-510	3/22	13	29	58.41	-19.72	-70.95	17.0	5.6	78.47	WNW OF IQUIQUE, CHILE
#-511	3/22	13	44	12.14	-19.79	-70.92	10.0	4.9	78.39	WNW OF IQUIQUE, CHILE
#-512	3/22	14	15	37.81	-19.82	-70.89	17.2	4.6	78.36	WNW OF IQUIQUE, CHILE
#-513	3/22	14	37	46.69	-19.79	-70.82	22.5	4.6	78.36	NW OF IQUIQUE, CHILE
#-514	3/22	15	36	8.90	1.69	128.68	55.3	4.5	91.46	E OF TOBELO, INDONESIA
#-515	3/22	18	51	2.51	-22.09	-173.63	35.0	4.7	85.89	ESE OF `OHONUA, TONGA
#-516	3/22	20	46	50.93	3.56	127.07	53.4	5.2	92.63	NNW OF TOBELO, INDONESIA
#-517	3/22	21	30	27.79	-33.58	-177.40	35.7	4.8	73.96	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-518	3/22	21	41	22.51	5.28	94.54	65.8	4.6	83.34	WSW OF BANDA ACEH, INDONESIA
#-519	3/22	22	14	58.05	-19.70	-71.01	21.0	5.0	78.51	WNW OF IQUIQUE, CHILE
#-520	3/23	4	31	1.62	-20.67	-178.81	606.9	5.9	86.28	WSW OF NDOI ISLAND, FIJI
#-521	3/23	4	31	28.48	-20.67	-178.78	622.4	5.4	86.29	WSW OF NDOI ISLAND, FIJI
#-522	3/23	4	45	59.53	-20.65	-178.78	620.5	4.8	86.31	W OF NDOI ISLAND, FIJI
#-523	3/23	5	19	50.67	-20.66	-178.85	619.2	4.6	86.28	W OF NDOI ISLAND, FIJI
#-524	3/23	10	48	20.06	-21.61	-176.40	137.9	4.7	85.85	WSW OF HAVELU, TONGA
#-525	3/23	15	59	59.40	-5.08	152.49	58.1	4.9	93.41	SSE OF KOKOPO, PAPUA NEW GUINEA
#-526	3/23	18	20	1.93	-19.69	-70.85	21.0	6.3	78.46	NW OF IQUIQUE, CHILE
#-527	3/23	20	23	3.29	-19.88	-70.86	16.6	5.1	78.29	WNW OF IQUIQUE, CHILE
#-528	3/23	22	4	26.32	-19.82	-70.79	23.3	5.1	78.32	WNW OF IQUIQUE, CHILE
#-529	3/24	1	32	54.72	3.92	95.89	44.2	4.8	82.45	SW OF MEULABOH, INDONESIA
#-530	3/24	11	26	39.40	-19.82	-70.77	22.0	5.7	78.31	NW OF IQUIQUE, CHILE
#-531	3/24	11	32	15.00	-19.79	-70.81	17.8	5.2	78.36	NW OF IQUIQUE, CHILE
#-532	3/24	11	35	35.70	-19.56	-70.78	20.4	4.7	78.56	NW OF IQUIQUE, CHILE
#-533	3/24	11	40	43.47	-19.83	-70.88	15.2	5.6	78.34	WNW OF IQUIQUE, CHILE
#-534	3/24	12	32	50.41	-19.79	-70.81	17.9	5.0	78.36	NW OF IQUIQUE, CHILE
#-535	3/24	15	45	31.14	-19.59	-70.82	17.1	5.7	78.54	NW OF IQUIQUE, CHILE
#-536	3/24	15	46	32.61	-3.38	104.01	292.7	4.7	78.10	WNW OF PERABUMULIH, INDONESIA
#-537	3/24	16	22	34.05	-19.63	-70.85	10.0	4.8	78.52	NW OF IQUIQUE, CHILE
#-538	3/24	20	18	55.17	-27.89	-71.22	14.8	4.8	70.89	NNW OF VALLENAR, CHILE
#-539	3/25	0	15	12.71	-19.79	-70.83	15.4	5.2	78.36	WNW OF IQUIQUE, CHILE
#-540	3/25	9	56	31.08	-2.25	-79.28	35.0	5.3	97.64	ESE OF CORONEL MARCELINO MARIDUENA, ECUADOR

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-541	3/25	14	38	24.86	-17.53	-70.46	85.1	5.1	80.37	SSE OF ILABAYA, PERU
#-542	3/25	16	40	15.11	-23.29	-179.91	538.7	4.8	83.50	SOUTH OF THE FIJI ISLANDS
#-543	3/25	17	37	48.47	52.58	-177.16	210.8	5.2	156.52	NNW OF ADAK, ALASKA
#-544	3/25	19	56	14.15	-6.09	154.91	181.6	5.1	93.24	WNW OF PANGUNA, PAPUA NEW GUINEA
#-545	3/25	22	5	4.33	-22.14	-176.08	75.8	4.7	85.39	SW OF VAINI, TONGA
#-546	3/26	2	38	46.98	-48.95	124.34	12.1	4.7	43.68	WESTERN INDIAN-ANTARCTIC RIDGE
#-547	3/26	3	29	35.72	-26.17	179.29	495.0	6.3	80.53	SOUTH OF THE FIJI ISLANDS
#-548	3/26	3	49	54.61	-26.17	179.41	500.6	4.7	80.56	SOUTH OF THE FIJI ISLANDS
#-549	3/26	4	23	12.41	-26.08	179.47	495.9	4.9	80.66	SOUTH OF THE FIJI ISLANDS
#-550	3/26	8	49	41.91	28.19	131.51	10.0	5.5	117.05	E OF NAZE, JAPAN
#-551	3/26	11	11	14.80	1.52	126.30	35.0	5.0	90.45	E OF BITUNG, INDONESIA
#-552	3/26	18	16	1.26	-6.75	105.15	10.9	4.6	75.31	W OF CANGKEUTEUK SABRANG, INDONESIA
#-553	3/26	20	47	51.22	1.75	127.51	146.8	5.4	91.10	W OF TOBELO, INDONESIA
#-554	3/27	3	49	42.71	-12.10	166.59	98.0	6.0	91.03	SSE OF LATA, SOLOMON ISLANDS
#-555	3/27	4	0	15.54	4.19	86.73	13.0	5.4	80.09	NORTH INDIAN OCEAN
#-556	3/27	17	59	12.07	-8.66	-74.33	142.0	4.9	89.98	SE OF PUCALLPA, PERU
#-557	3/27	18	20	20.51	-24.26	-179.82	498.4	4.8	82.58	SOUTH OF THE FIJI ISLANDS
#-558	3/27	23	50	52.19	-29.16	-68.75	10.0	5.7	68.92	SW OF VINCHINA, ARGENTINA
#-559	3/28	0	10	40.41	-29.19	-68.80	27.6	5.2	68.92	SW OF VINCHINA, ARGENTINA
#-560	3/28	7	7	46.12	-3.72	151.21	10.0	4.9	94.27	WNW OF RABAUL, PAPUA NEW GUINEA
#-561	3/28	10	24	12.50	37.24	71.24	101.1	5.2	108.89	SW OF KHORUGH, TAJIKISTAN
#-562	3/28	14	36	8.08	11.65	-86.55	46.0	5.6	113.11	SSW OF MASACHAPA, NICARAGUA
#-563	3/28	16	14	57.07	-5.59	153.02	10.0	5.1	93.10	S OF TARON, PAPUA NEW GUINEA
#-564	3/28	20	48	1.53	29.96	-42.54	9.5	5.0	114.88	NORTHERN MID-ATLANTIC RIDGE
#-565	3/29	4	9	42.31	33.93	-117.92	4.8	5.1	142.62	E OF LA HABRA, CALIFORNIA
#-566	3/29	4	26	51.32	-6.43	154.93	107.8	4.8	92.93	WSW OF PANGUNA, PAPUA NEW GUINEA
#-567	3/29	7	46	50.19	-0.85	-21.92	12.0	5.9	79.17	CENTRAL MID-ATLANTIC RIDGE
#-568	3/29	7	50	13.65	-0.83	-21.88	10.0	4.8	79.17	CENTRAL MID-ATLANTIC RIDGE
#-569	3/30	16	55	53.56	-26.30	179.65	513.7	4.8	80.48	SOUTH OF THE FIJI ISLANDS
#-570	3/30	17	10	14.88	31.40	86.46	13.5	5.3	106.24	E OF MAINDONG, CHINA
#-571	3/30	20	9	42.93	-26.23	-177.72	164.8	4.7	81.08	SOUTH OF THE FIJI ISLANDS
#-572	3/31	1	1	19.47	-39.97	176.55	17.3	5.1	66.60	SW OF HASTINGS, NEW ZEALAND
#-573	3/31	9	53	13.21	-12.58	167.01	239.6	5.1	90.68	NNW OF SOLA, VANUATU
#-574	3/31	12	53	6.00	-19.51	-69.17	114.5	5.6	78.09	NE OF IQUIQUE, CHILE
#-575	3/31	13	40	58.37	-8.30	146.98	4.0	5.6	88.54	NW OF KOKODA, PAPUA NEW GUINEA
#-576	3/31	19	48	36.37	36.94	124.46	17.9	5.0	122.57	SW OF ONGJIN, NORTH KOREA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-577	4/1	1	44	42.56	-16.57	167.27	33.3	4.7	86.93	SSW OF LAKATORO, VANUATU
#-578	4/1	1	59	44.28	-34.84	-108.71	10.0	4.7	73.46	SOUTHERN EAST PACIFIC RISE
#-579	4/1	8	29	13.30	-60.17	-24.85	10.0	4.9	27.32	SE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-580	4/1	20	31	31.73	-5.60	151.67	92.9	4.7	92.65	SSW OF KOKOPO, PAPUA NEW GUINEA
#-581	4/1	23	13	5.03	-46.74	-10.51	10.0	5.3	32.94	SOUTHERN MID-ATLANTIC RIDGE
#-582	4/2	0	3	13.71	-19.78	-70.72	20.7	5.7	78.33	NW OF IQUIQUE, CHILE
#-583	4/2	0	6	43.90	-19.70	-70.94	10.0	5.6	78.48	NW OF IQUIQUE, CHILE
#-584	4/2	0	14	20.85	-19.96	-70.99	10.0	5.3	78.26	WNW OF IQUIQUE, CHILE
#-585	4/2	0	18	51.49	-19.92	-70.74	16.8	5.1	78.21	WNW OF IQUIQUE, CHILE
#-586	4/2	0	21	7.96	-19.61	-70.23	29.0	4.9	78.34	N OF IQUIQUE, CHILE
#-587	4/2	0	24	45.42	-19.91	-70.68	11.4	5.2	78.20	WNW OF IQUIQUE, CHILE
#-588	4/2	0	33	9.68	-19.90	-70.58	16.2	4.9	78.18	NW OF IQUIQUE, CHILE
#-589	4/2	0	33	43.90	-20.28	-70.65	5.0	5.4	77.85	W OF IQUIQUE, CHILE
#-590	4/2	0	37	49.15	-19.99	-70.57	20.1	5.4	78.09	WNW OF IQUIQUE, CHILE
#-591	4/2	0	42	15.37	-19.77	-70.75	22.7	4.6	78.35	NW OF IQUIQUE, CHILE
#-592	4/2	1	20	58.37	-19.59	-71.01	19.0	5.2	78.61	NW OF IQUIQUE, CHILE
#-593	4/2	1	22	57.01	-20.11	-70.72	28.0	4.7	78.03	WNW OF IQUIQUE, CHILE
#-594	4/2	1	26	54.49	-19.77	-70.02	35.0	4.6	78.12	NNE OF IQUIQUE, CHILE
#-595	4/2	1	29	41.42	-20.04	-70.97	12.1	5.1	78.17	WNW OF IQUIQUE, CHILE
#-596	4/2	1	33	57.73	-19.26	-70.77	31.0	4.7	78.84	SSW OF ARICA, CHILE
#-597	4/2	1	35	46.19	-20.24	-70.80	10.0	4.9	77.93	W OF IQUIQUE, CHILE
#-598	4/2	1	50	51.47	-19.80	-70.83	10.0	4.5	78.36	WNW OF IQUIQUE, CHILE
#-599	4/2	1	54	5.38	-19.83	-70.99	10.0	4.9	78.38	WNW OF IQUIQUE, CHILE
#-600	4/2	2	14	50.61	-19.58	-70.82	10.0	4.5	78.55	NW OF IQUIQUE, CHILE
#-601	4/2	2	51	28.57	-10.84	164.07	23.9	5.0	91.52	W OF LATA, SOLOMON ISLANDS
#-602	4/2	3	8	54.38	-19.96	-70.71	30.1	4.5	78.17	WNW OF IQUIQUE, CHILE
#-603	4/2	3	30	56.31	-19.33	-70.75	10.0	4.6	78.76	SSW OF ARICA, CHILE
#-604	4/2	3	40	15.28	-19.93	-70.96	10.0	5.4	78.27	WNW OF IQUIQUE, CHILE
#-605	4/2	3	43	11.72	-19.30	-70.90	10.0	4.6	78.85	SW OF ARICA, CHILE
#-606	4/2	3	46	2.57	-19.90	-70.73	10.0	4.6	78.22	WNW OF IQUIQUE, CHILE
#-607	4/2	4	13	7.26	-19.60	-70.68	10.0	4.6	78.50	NW OF IQUIQUE, CHILE
#-608	4/2	4	16	8.42	-20.01	-70.89	10.0	4.8	78.18	WNW OF IQUIQUE, CHILE
#-609	4/2	4	19	47.29	-19.85	-70.99	10.0	5.2	78.36	WNW OF IQUIQUE, CHILE
#-610	4/2	4	46	18.77	-20.08	-70.83	16.5	5.5	78.10	WNW OF IQUIQUE, CHILE
#-611	4/2	4	57	45.50	-19.76	-70.62	32.7	5.1	78.32	NW OF IQUIQUE, CHILE
#-612	4/2	5	2	52.63	-19.69	-71.00	10.0	5.4	78.51	WNW OF IQUIQUE, CHILE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-613	4/2	5	9	18.58	-20.35	-70.67	10.0	4.7	77.78	WSW OF IQUIQUE, CHILE
#-614	4/2	5	12	24.18	-19.88	-70.55	10.0	4.5	78.18	NW OF IQUIQUE, CHILE
#-615	4/2	5	32	0.85	-19.48	-70.93	10.0	4.5	78.69	NW OF IQUIQUE, CHILE
#-616	4/2	5	46	23.28	-19.97	-70.85	16.6	4.5	78.20	WNW OF IQUIQUE, CHILE
#-617	4/2	5	51	1.56	-19.92	-71.00	18.0	4.8	78.30	WNW OF IQUIQUE, CHILE
#-618	4/2	5	57	4.65	-19.26	-70.85	10.0	4.6	78.86	SSW OF ARICA, CHILE
#-619	4/2	6	4	11.01	-19.87	-70.80	10.0	4.8	78.28	WNW OF IQUIQUE, CHILE
#-620	4/2	6	29	16.54	-20.12	-70.83	16.0	5.1	78.05	W OF IQUIQUE, CHILE
#-621	4/2	7	3	44.83	-20.10	-70.15	43.1	4.7	77.85	N OF IQUIQUE, CHILE
#-622	4/2	7	23	17.50	-20.81	-70.82	10.0	4.5	77.41	SW OF IQUIQUE, CHILE
#-623	4/2	8	25	52.31	-20.20	-70.77	17.0	5.0	77.95	W OF IQUIQUE, CHILE
#-624	4/2	11	7	32.13	-20.01	-70.94	15.0	5.4	78.19	WNW OF IQUIQUE, CHILE
#-625	4/2	11	11	34.68	-19.99	-70.95	17.0	5.1	78.22	WNW OF IQUIQUE, CHILE
#-626	4/2	13	0	58.33	-19.80	-70.69	26.0	4.5	78.31	NW OF IQUIQUE, CHILE
#-627	4/2	16	13	26.72	7.94	-82.34	25.0	6.0	108.27	SSE OF PEDREGAL, PANAMA
#-628	4/2	17	12	31.61	-19.78	-70.31	37.7	4.9	78.20	NNW OF IQUIQUE, CHILE
#-629	4/2	19	45	51.09	-20.35	-70.45	26.9	5.3	77.71	WSW OF IQUIQUE, CHILE
#-630	4/3	0	1	16.40	-19.68	-71.18	25.5	5.0	78.58	WNW OF IQUIQUE, CHILE
#-631	4/3	1	13	33.77	-19.82	-71.00	10.0	4.5	78.39	WNW OF IQUIQUE, CHILE
#-632	4/3	1	58	30.53	-20.31	-70.58	24.1	6.5	77.79	WSW OF IQUIQUE, CHILE
#-633	4/3	2	41	12.93	-20.05	-71.02	10.0	4.9	78.18	WNW OF IQUIQUE, CHILE
#-634	4/3	2	43	13.11	-20.57	-70.49	22.4	7.7	77.52	SW OF IQUIQUE, CHILE
#-635	4/3	2	56	5.06	-20.75	-70.53	10.0	5.5	77.37	SW OF IQUIQUE, CHILE
#-636	4/3	2	59	53.62	-20.53	-70.46	35.0	5.0	77.55	SW OF IQUIQUE, CHILE
#-637	4/3	3	11	14.47	-20.64	-70.73	10.0	5.5	77.53	SW OF IQUIQUE, CHILE
#-638	4/3	3	11	31.63	-20.53	-70.53	10.0	5.4	77.57	SW OF IQUIQUE, CHILE
#-639	4/3	3	20	43.65	-20.69	-70.90	10.0	4.7	77.54	WSW OF IQUIQUE, CHILE
#-640	4/3	3	40	28.36	-20.76	-70.67	10.0	4.8	77.40	SW OF IQUIQUE, CHILE
#-641	4/3	3	45	53.63	-19.91	-70.75	19.9	4.9	78.22	WNW OF IQUIQUE, CHILE
#-642	4/3	4	17	55.52	-20.62	-70.72	10.0	5.2	77.55	SW OF IQUIQUE, CHILE
#-643	4/3	4	35	29.61	-20.62	-70.76	32.6	4.6	77.56	SW OF IQUIQUE, CHILE
#-644	4/3	4	53	37.83	-20.77	-70.57	10.0	4.8	77.36	SW OF IQUIQUE, CHILE
#-645	4/3	5	17	11.99	-19.76	-71.00	21.0	4.9	78.45	WNW OF IQUIQUE, CHILE
#-646	4/3	5	19	5.52	-20.50	-70.52	24.5	5.1	77.59	SW OF IQUIQUE, CHILE
#-647	4/3	5	26	15.70	-20.80	-70.59	25.0	6.4	77.34	SW OF IQUIQUE, CHILE
#-648	4/3	5	28	50.90	-20.81	-70.61	10.0	4.7	77.33	SW OF IQUIQUE, CHILE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-649	4/3	5	34	31.58	-20.45	-70.55	19.4	5.0	77.65	WSW OF IQUIQUE, CHILE
#-650	4/3	5	51	44.50	-20.76	-70.42	29.0	5.3	77.32	SSW OF IQUIQUE, CHILE
#-651	4/3	6	56	50.57	-20.35	-70.08	46.5	4.6	77.59	SSE OF IQUIQUE, CHILE
#-652	4/3	7	15	40.65	-20.68	-70.63	23.4	4.5	77.47	SW OF IQUIQUE, CHILE
#-653	4/3	9	23	22.04	-20.52	-70.72	19.0	5.4	77.64	WSW OF IQUIQUE, CHILE
#-654	4/3	9	30	24.93	-5.24	102.28	44.1	5.7	75.77	S OF BENGKULU, INDONESIA
#-655	4/3	11	41	37.72	-20.25	-70.95	10.0	4.9	77.97	W OF IQUIQUE, CHILE
#-656	4/3	12	56	36.22	-18.01	-178.44	576.4	5.3	88.95	SE OF LAMBASA, FIJI
#-657	4/3	14	10	36.32	-20.75	-71.01	16.9	4.5	77.52	WSW OF IQUIQUE, CHILE
#-658	4/3	15	8	7.75	-20.55	-70.91	6.9	4.9	77.68	WSW OF IQUIQUE, CHILE
#-659	4/3	22	54	23.27	-19.65	-178.07	593.5	4.8	87.43	NNE OF NDOI ISLAND, FIJI
#-660	4/3	23	37	51.42	-20.17	-70.65	26.0	4.7	77.95	W OF IQUIQUE, CHILE
#-661	4/4	1	37	50.57	-20.64	-70.65	13.7	6.3	77.51	SW OF IQUIQUE, CHILE
#-662	4/4	4	34	28.52	-22.19	-70.29	61.5	4.7	75.94	SW OF TOCOPILLA, CHILE
#-663	4/4	8	53	55.67	-36.54	-96.78	10.0	4.7	69.54	WEST CHILE RISE
#-664	4/4	9	38	55.02	-20.06	-71.03	10.8	5.2	78.18	W OF IQUIQUE, CHILE
#-665	4/4	9	52	8.02	-31.50	-70.32	96.2	5.4	67.25	ENE OF SALAMANCA, CHILE
#-666	4/4	9	53	25.13	-20.63	-70.71	14.9	4.8	77.54	SW OF IQUIQUE, CHILE
#-667	4/4	10	1	31.08	-20.13	-70.51	10.0	4.5	77.94	WNW OF IQUIQUE, CHILE
#-668	4/4	11	40	32.00	-10.54	161.70	57.0	6.0	91.12	WSW OF KIRAKIRA, SOLOMON ISLANDS
#-669	4/4	20	8	6.97	37.28	23.87	107.0	5.6	106.88	ESE OF YDRA, GREECE
#-670	4/4	21	52	10.60	-53.54	24.87	10.0	5.2	16.80	SOUTH OF AFRICA
#-671	4/4	22	40	35.44	28.17	103.62	24.7	5.4	107.78	SE OF XILUODU, CHINA
#-672	4/5	1	16	18.42	39.19	142.56	29.7	5.2	130.93	E OF KAMAISHI, JAPAN
#-673	4/5	2	22	38.97	-32.80	-71.58	40.2	5.6	66.43	N OF VINA DEL MAR, CHILE
#-674	4/5	3	19	21.57	47.14	147.44	315.4	4.7	139.59	N OF KURIL'SK, RUSSIA
#-675	4/5	3	34	37.33	-3.79	142.04	59.6	5.3	91.08	SSW OF AITAPE, PAPUA NEW GUINEA
#-676	4/5	4	5	3.29	-20.75	-70.67	22.0	5.0	77.41	SW OF IQUIQUE, CHILE
#-677	4/5	4	8	52.64	-20.60	-70.86	18.5	4.7	77.61	WSW OF IQUIQUE, CHILE
#-678	4/5	5	44	56.41	-20.15	-70.56	24.2	5.2	77.94	W OF IQUIQUE, CHILE
#-679	4/5	7	54	19.44	-19.93	-70.83	13.9	4.6	78.23	WNW OF IQUIQUE, CHILE
#-680	4/5	14	4	49.50	-20.37	-70.87	10.0	4.8	77.84	WSW OF IQUIQUE, CHILE
#-681	4/6	8	13	58.17	-19.16	-173.53	10.0	5.2	88.79	SE OF NEIAFU, TONGA
#-682	4/6	14	6	8.08	-20.41	-71.01	10.0	5.2	77.84	WSW OF IQUIQUE, CHILE
#-683	4/6	14	20	24.94	1.47	127.36	126.6	4.5	90.78	N OF TERNATE, INDONESIA
#-684	4/6	14	26	43.01	-20.41	-71.05	9.8	4.5	77.86	WSW OF IQUIQUE, CHILE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-685	4/6	15	15	34.83	-21.52	-178.99	575.2	4.9	85.42	SSW OF NDOI ISLAND, FIJI
#-686	4/7	7	48	28.81	53.10	171.01	24.6	5.3	152.94	WNW OF ATTU STATION, ALASKA
#-687	4/7	9	34	50.88	50.43	156.26	93.9	5.4	145.50	SSE OF SEVERO-KURIL'SK, RUSSIA
#-688	4/7	10	41	36.02	-20.53	-70.94	18.8	4.5	77.71	WSW OF IQUIQUE, CHILE
#-689	4/7	12	56	35.53	-7.04	131.60	42.9	4.8	84.36	NNE OF SAUMLAKI, INDONESIA
#-690	4/7	13	43	21.01	-20.13	-70.85	8.0	5.7	78.05	W OF IQUIQUE, CHILE
#-691	4/7	13	47	33.33	-20.13	-70.79	9.7	5.4	78.03	W OF IQUIQUE, CHILE
#-692	4/7	14	3	43.49	-20.12	-70.90	10.0	5.1	78.07	W OF IQUIQUE, CHILE
#-693	4/7	14	30	0.89	-6.74	154.84	76.4	4.8	92.61	WSW OF PANGUNA, PAPUA NEW GUINEA
#-694	4/7	15	27	32.60	-8.24	-71.58	560.9	5.1	89.47	W OF TARAUACA, BRAZIL
#-695	4/7	16	32	47.29	-23.82	-174.49	10.0	4.7	84.05	S OF `OHONUA, TONGA
#-696	4/7	17	36	27.34	-23.24	-175.31	10.0	4.8	84.46	S OF `OHONUA, TONGA
#-697	4/8	10	14	31.58	-20.51	-70.92	6.0	5.6	77.71	WSW OF IQUIQUE, CHILE
#-698	4/8	22	22	40.28	-6.29	152.17	15.4	4.8	92.17	S OF KOKOPO, PAPUA NEW GUINEA
#-699	4/9	8	28	48.32	-49.85	-114.28	10.0	5.6	59.51	SOUTHERN EAST PACIFIC RISE
#-700	4/9	10	4	3.33	-24.53	-66.45	180.5	4.5	72.49	SSW OF SAN ANTONIO DE LOS COBRES, ARGENTINA
#-701	4/9	11	6	14.06	-20.84	-70.76	13.7	4.6	77.36	SW OF IQUIQUE, CHILE
#-702	4/9	11	14	43.91	-20.60	-70.80	9.9	5.2	77.59	WSW OF IQUIQUE, CHILE
#-703	4/9	16	43	15.09	3.10	95.94	39.6	4.6	81.68	NW OF SINABANG, INDONESIA
#-704	4/9	17	59	26.26	-54.19	-134.05	10.0	4.9	56.70	PACIFIC-ANTARCTIC RIDGE
#-705	4/9	18	4	1.36	-54.21	-134.02	10.0	4.9	56.67	PACIFIC-ANTARCTIC RIDGE
#-706	4/10	10	25	29.93	-26.87	-71.07	10.3	4.7	71.80	NW OF COPIAPO, CHILE
#-707	4/10	17	49	10.66	-20.02	-70.95	13.3	5.0	78.18	WNW OF IQUIQUE, CHILE
#-708	4/10	17	53	21.21	-33.81	-178.54	35.0	4.7	73.53	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-709	4/10	18	12	47.39	-16.35	-178.86	35.6	4.9	90.49	E OF LAMBASA, FIJI
#-710	4/10	18	19	13.05	-3.83	141.24	60.9	5.0	90.76	S OF VANIMO, PAPUA NEW GUINEA
#-711	4/10	20	19	18.25	-15.28	-173.99	50.8	5.0	92.51	NNW OF HIHIFO, TONGA
#-712	4/10	21	17	27.80	-33.87	55.60	10.0	4.8	36.35	SOUTHWEST INDIAN RIDGE
#-713	4/10	22	27	8.25	-19.24	-173.37	4.0	5.8	88.73	SE OF NEIAFU, TONGA
#-714	4/10	22	38	16.14	-19.86	-177.30	377.8	4.5	87.39	ENE OF NDOI ISLAND, FIJI
#-715	4/10	23	27	45.60	12.40	-86.38	13.0	6.1	113.77	SW OF VALLE SAN FRANCISCO, NICARAGUA
#-716	4/11	0	1	23.64	12.11	-86.46	10.7	5.3	113.52	WSW OF CIUDAD SANDINO, NICARAGUA
#-717	4/11	0	1	45.21	-20.66	-70.65	13.8	6.2	77.49	SW OF IQUIQUE, CHILE
#-718	4/11	0	45	5.81	12.20	93.14	69.0	4.8	89.55	NE OF PORT BLAIR, INDIA
#-719	4/11	1	8	5.10	-33.39	-72.04	34.8	5.0	66.02	WNW OF CARTAGENA, CHILE
#-720	4/11	7	7	23.13	-6.59	155.05	60.5	7.1	92.82	WSW OF PANGUNA, PAPUA NEW GUINEA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-721	4/11	7	31	18.93	-7.05	155.48	10.0	5.2	92.52	S OF PANGUNA, PAPUA NEW GUINEA
#-722	4/11	7	33	0.81	-7.00	155.50	35.0	5.4	92.57	S OF PANGUNA, PAPUA NEW GUINEA
#-723	4/11	8	16	45.66	-6.79	154.95	20.0	6.5	92.59	SW OF PANGUNA, PAPUA NEW GUINEA
#-724	4/11	8	23	46.91	-6.88	155.01	56.6	5.1	92.52	SW OF PANGUNA, PAPUA NEW GUINEA
#-725	4/11	8	39	5.37	-6.69	154.98	58.7	4.7	92.70	SW OF PANGUNA, PAPUA NEW GUINEA
#-726	4/11	8	39	45.22	-20.59	-70.86	22.3	4.9	77.62	WSW OF IQUIQUE, CHILE
#-727	4/11	8	51	3.93	-6.96	154.93	35.0	4.5	92.42	SW OF PANGUNA, PAPUA NEW GUINEA
#-728	4/11	8	57	29.14	-6.94	154.94	58.3	4.5	92.45	SW OF PANGUNA, PAPUA NEW GUINEA
#-729	4/11	9	35	53.70	-6.88	154.87	35.1	4.8	92.48	SW OF PANGUNA, PAPUA NEW GUINEA
#-730	4/11	10	30	28.96	-6.88	155.14	16.1	5.1	92.57	SSW OF PANGUNA, PAPUA NEW GUINEA
#-731	4/11	10	49	9.00	-23.25	-68.91	111.3	4.5	74.50	WSW OF SAN PEDRO DE ATACAMA, CHILE
#-732	4/11	12	0	51.64	-20.07	-70.56	22.3	5.0	78.01	WNW OF IQUIQUE, CHILE
#-733	4/11	12	34	2.29	-6.57	155.09	35.0	4.6	92.84	WSW OF PANGUNA, PAPUA NEW GUINEA
#-734	4/11	14	33	43.18	-6.72	154.96	20.1	5.7	92.66	SW OF PANGUNA, PAPUA NEW GUINEA
#-735	4/11	15	37	23.70	-6.72	155.20	35.0	4.7	92.74	SW OF PANGUNA, PAPUA NEW GUINEA
#-736	4/11	17	18	10.49	-1.18	149.78	26.6	4.9	96.19	NW OF KAVIENG, PAPUA NEW GUINEA
#-737	4/11	18	20	58.51	-6.47	155.32	88.8	4.7	93.01	SW OF PANGUNA, PAPUA NEW GUINEA
#-738	4/11	18	52	28.78	-6.91	154.91	45.4	4.8	92.46	SW OF PANGUNA, PAPUA NEW GUINEA
#-739	4/11	18	56	14.05	-6.84	154.87	12.7	5.0	92.52	SW OF PANGUNA, PAPUA NEW GUINEA
#-740	4/11	20	29	12.97	11.64	-85.88	135.0	6.6	112.90	N OF BELEN, NICARAGUA
#-741	4/11	21	22	30.78	-1.18	-24.35	10.0	5.0	79.64	CENTRAL MID-ATLANTIC RIDGE
#-742	4/11	23	19	3.12	-22.92	-66.59	218.6	4.6	74.05	WSW OF ABRA PAMPA, ARGENTINA
#-743	4/12	4	0	53.30	-6.79	155.04	24.9	5.1	92.62	SW OF PANGUNA, PAPUA NEW GUINEA
#-744	4/12	5	24	23.27	-7.10	155.24	20.0	6.1	92.39	SSW OF PANGUNA, PAPUA NEW GUINEA
#-745	4/12	5	29	32.89	-7.25	155.54	10.0	5.1	92.35	S OF PANGUNA, PAPUA NEW GUINEA
#-746	4/12	6	15	32.36	-7.14	155.20	10.0	5.3	92.33	SSW OF PANGUNA, PAPUA NEW GUINEA
#-747	4/12	6	22	16.03	-6.66	154.93	35.0	4.8	92.71	WSW OF PANGUNA, PAPUA NEW GUINEA
#-748	4/12	8	54	5.55	-7.39	155.36	10.0	4.7	92.16	S OF PANGUNA, PAPUA NEW GUINEA
#-749	4/12	10	55	41.64	-6.97	154.80	14.1	5.0	92.37	SW OF PANGUNA, PAPUA NEW GUINEA
#-750	4/12	11	15	33.99	-7.32	154.69	28.1	4.5	92.01	SW OF PANGUNA, PAPUA NEW GUINEA
#-751	4/12	15	44	51.41	-7.16	155.19	10.0	5.0	92.32	SSW OF PANGUNA, PAPUA NEW GUINEA
#-752	4/12	15	59	27.51	-7.18	155.05	10.0	5.8	92.25	SSW OF PANGUNA, PAPUA NEW GUINEA
#-753	4/12	20	14	39.30	-11.27	162.15	22.6	7.6	90.55	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-754	4/12	20	24	46.63	-11.37	162.24	31.7	5.8	90.48	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-755	4/12	20	29	58.35	-11.63	162.31	29.1	4.9	90.25	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-756	4/12	20	49	51.76	-11.45	162.62	10.1	5.0	90.52	SE OF KIRAKIRA, SOLOMON ISLANDS

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-757	4/12	21	17	5.39	-11.55	162.72	35.0	5.0	90.45	SE OF KIRAKIRA, SOLOMON ISLANDS
#-758	4/12	21	19	23.35	-11.46	162.44	20.0	4.8	90.46	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-759	4/12	21	22	28.48	-11.47	162.61	10.0	4.7	90.49	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-760	4/12	21	34	34.53	-11.44	162.62	10.0	4.6	90.53	SE OF KIRAKIRA, SOLOMON ISLANDS
#-761	4/12	21	39	4.82	-11.16	162.24	34.8	5.1	90.68	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-762	4/12	22	18	47.66	-11.51	162.60	10.0	4.6	90.45	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-763	4/12	23	14	6.08	-11.75	162.60	10.0	4.7	90.22	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-764	4/12	23	52	19.14	-11.39	162.53	34.7	5.0	90.55	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-765	4/13	0	23	38.96	-11.66	162.70	16.8	4.5	90.33	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-766	4/13	4	36	25.84	-11.25	162.01	25.6	4.9	90.53	S OF KIRAKIRA, SOLOMON ISLANDS
#-767	4/13	5	59	24.26	-11.45	162.56	20.3	5.0	90.50	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-768	4/13	9	12	2.42	-6.52	155.30	35.0	4.8	92.96	SW OF PANGUNA, PAPUA NEW GUINEA
#-769	4/13	9	29	21.25	-11.08	162.12	19.2	5.2	90.72	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-770	4/13	10	1	24.66	-11.08	162.16	10.0	4.5	90.74	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-771	4/13	10	5	38.52	-11.28	161.99	12.5	5.6	90.50	OF KIRAKIRA, SOLOMON ISLANDS
#-772	4/13	10	9	48.94	-11.29	161.98	4.0	5.7	90.48	S OF KIRAKIRA, SOLOMON ISLANDS
#-773	4/13	10	43	0.77	7.66	-37.14	10.0	4.8	92.26	CENTRAL MID-ATLANTIC RIDGE
#-774	4/13	11	12	48.11	-11.03	161.99	10.0	4.9	90.73	S OF KIRAKIRA, SOLOMON ISLANDS
#-775	4/13	12	11	30.08	-20.57	-70.75	13.4	5.5	77.61	WSW OF IQUIQUE, CHILE
#-776	4/13	12	36	19.23	-11.46	162.05	39.0	7.4	90.34	S OF KIRAKIRA, SOLOMON ISLANDS
#-777	4/13	12	45	10.88	-11.09	162.19	10.0	5.3	90.73	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-778	4/13	12	46	39.62	-11.47	162.39	10.0	5.7	90.43	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-779	4/13	12	52	9.77	-11.51	162.45	10.0	5.0	90.41	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-780	4/13	13	12	17.74	-11.21	161.93	10.0	5.6	90.54	S OF KIRAKIRA, SOLOMON ISLANDS
#-781	4/13	13	19	19.64	-6.77	154.95	38.8	5.3	92.61	SW OF PANGUNA, PAPUA NEW GUINEA
#-782	4/13	13	24	59.71	-11.13	162.05	10.0	6.6	90.66	S OF KIRAKIRA, SOLOMON ISLANDS
#-783	4/13	13	42	46.21	-11.25	162.08	30.2	5.0	90.55	S OF KIRAKIRA, SOLOMON ISLANDS
#-784	4/13	15	23	58.14	-11.24	161.86	10.0	4.7	90.49	S OF KIRAKIRA, SOLOMON ISLANDS
#-785	4/13	16	20	6.75	-11.51	162.88	10.0	4.5	90.54	SE OF KIRAKIRA, SOLOMON ISLANDS
#-786	4/13	17	15	42.01	-6.76	154.94	56.8	4.5	92.62	SW OF PANGUNA, PAPUA NEW GUINEA
#-787	4/13	18	11	24.95	-11.60	162.13	10.0	4.9	90.23	S OF KIRAKIRA, SOLOMON ISLANDS
#-788	4/13	21	13	31.16	-11.29	162.42	10.0	4.9	90.61	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-789	4/13	21	21	59.24	-11.56	162.59	10.0	4.6	90.40	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-790	4/13	21	49	3.26	-7.04	154.77	40.7	4.7	92.30	SW OF PANGUNA, PAPUA NEW GUINEA
#-791	4/13	23	38	41.29	-11.19	162.00	32.4	4.6	90.58	S OF KIRAKIRA, SOLOMON ISLANDS
#-792	4/14	0	9	11.18	-11.47	161.99	34.9	5.0	90.31	S OF KIRAKIRA, SOLOMON ISLANDS

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-793	4/14	0	12	6.66	-7.31	155.12	10.0	4.8	92.15	SOLOMON ISLANDS
#-794	4/14	2	8	22.44	-18.80	176.12	10.0	5.0	87.00	SW OF NADI, FIJI
#-795	4/14	3	30	15.09	-11.47	162.48	21.9	5.0	90.45	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-796	4/14	5	7	3.12	12.15	-86.28	9.8	5.2	113.51	WNW OF MANAGUA, NICARAGUA
#-797	4/14	5	17	30.90	-11.49	162.73	10.0	4.7	90.51	SE OF KIRAKIRA, SOLOMON ISLANDS
#-798	4/14	5	56	17.22	-20.78	-70.75	14.9	5.1	77.41	SW OF IQUIQUE, CHILE
#-799	4/14	6	29	47.76	-11.24	161.88	20.0	5.8	90.50	S OF KIRAKIRA, SOLOMON ISLANDS
#-800	4/14	6	36	4.66	-11.22	161.63	20.7	4.5	90.45	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-801	4/14	7	16	34.64	-11.19	161.83	33.5	4.7	90.53	S OF KIRAKIRA, SOLOMON ISLANDS
#-802	4/14	7	40	41.30	-11.31	161.82	5.0	5.6	90.42	S OF KIRAKIRA, SOLOMON ISLANDS
#-803	4/14	7	47	32.70	4.04	-31.81	10.0	5.4	87.04	CENTRAL MID-ATLANTIC RIDGE
#-804	4/14	8	9	54.23	-11.18	161.73	10.0	4.8	90.51	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-805	4/14	8	18	6.88	-6.75	155.09	35.0	4.6	92.68	SW OF PANGUNA, PAPUA NEW GUINEA
#-806	4/14	8	25	39.58	-11.27	161.66	10.0	4.6	90.41	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-807	4/14	8	27	31.53	-11.64	162.63	10.0	4.6	90.34	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-808	4/14	10	47	19.11	-10.79	161.48	31.7	5.0	90.81	SW OF KIRAKIRA, SOLOMON ISLANDS
#-809	4/14	13	8	39.12	-11.10	161.56	30.0	4.8	90.54	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-810	4/14	13	35	41.81	-20.60	-70.92	10.0	4.6	77.63	WSW OF IQUIQUE, CHILE
#-811	4/14	15	6	37.59	-20.98	-178.68	552.7	4.6	86.01	S OF NDOI ISLAND, FIJI
#-812	4/14	16	16	21.44	3.93	96.79	92.8	4.7	82.73	ESE OF MEULABOH, INDONESIA
#-813	4/14	16	51	23.08	-11.09	161.83	10.0	5.0	90.62	S OF KIRAKIRA, SOLOMON ISLANDS
#-814	4/14	18	38	8.13	-11.55	162.76	28.4	4.5	90.46	SE OF KIRAKIRA, SOLOMON ISLANDS
#-815	4/14	20	41	23.34	34.10	25.87	12.3	5.0	103.57	S OF IERAPETRA, GREECE
#-816	4/14	23	40	33.00	-12.47	-75.23	85.0	4.9	86.67	WSW OF PAMPAS, PERU
#-817	4/14	23	56	28.50	-11.34	162.84	24.3	5.1	90.69	SE OF KIRAKIRA, SOLOMON ISLANDS
#-818	4/15	0	7	51.03	-11.38	162.91	19.6	5.3	90.67	SE OF KIRAKIRA, SOLOMON ISLANDS
#-819	4/15	0	24	27.20	-11.26	161.54	10.0	4.8	90.38	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-820	4/15	2	43	51.87	8.84	126.59	62.8	5.0	97.39	E OF ARAS-ASAN, PHILIPPINES
#-821	4/15	3	57	1.37	-53.50	8.72	11.2	6.8	20.85	BOUVET ISLAND REGION
#-822	4/15	11	52	54.39	-31.00	59.35	10.0	4.6	39.76	SOUTHWEST INDIAN RIDGE
#-823	4/15	13	31	32.54	-36.09	-101.24	10.0	5.6	70.89	SOUTHEAST OF EASTER ISLAND
#-824	4/15	15	38	25.25	-11.55	161.95	28.7	4.5	90.23	S OF KIRAKIRA, SOLOMON ISLANDS
#-825	4/15	16	9	34.54	-20.20	-70.78	17.6	5.3	77.96	W OF IQUIQUE, CHILE
#-826	4/15	16	21	17.04	-20.15	-70.69	15.4	5.1	77.98	W OF IQUIQUE, CHILE
#-827	4/15	17	12	18.79	-20.21	-70.86	11.4	4.7	77.98	W OF IQUIQUE, CHILE
#-828	4/15	18	59	40.37	-20.18	-70.85	15.0	5.1	78.00	W OF IQUIQUE, CHILE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-829	4/15	19	5	54.12	-21.99	-176.35	175.9	4.6	85.49	SW OF VAINI, TONGA
#-830	4/15	19	16	16.58	-5.65	153.78	47.6	5.3	93.30	SSE OF TARON, PAPUA NEW GUINEA
#-831	4/16	3	14	9.80	-20.15	-70.87	11.0	4.9	78.04	W OF IQUIQUE, CHILE
#-832	4/16	3	19	32.36	-20.18	-70.86	9.2	4.5	78.01	W OF IQUIQUE, CHILE
#-833	4/16	3	33	45.72	-18.14	-177.96	616.3	4.7	88.93	NNE OF NDOI ISLAND, FIJI
#-834	4/16	4	28	8.96	-52.71	20.56	14.6	4.7	18.44	SOUTH OF AFRICA
#-835	4/16	6	26	39.52	-4.94	102.71	58.6	4.8	76.20	W OF KURIPAN, INDONESIA
#-836	4/16	8	18	16.37	-11.16	161.69	25.4	4.6	90.52	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-837	4/16	10	0	11.82	-11.48	162.27	20.7	4.7	90.38	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-838	4/16	10	24	44.58	-11.10	161.63	32.7	4.7	90.56	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-839	4/16	11	43	49.00	-11.11	161.59	31.5	4.9	90.54	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-840	4/16	16	7	52.46	-5.04	152.24	54.8	4.8	93.37	S OF KOKOPO, PAPUA NEW GUINEA
#-841	4/16	17	38	23.95	-9.44	117.92	62.0	4.7	77.23	SSE OF PISANGKEMENG, INDONESIA
#-842	4/16	20	0	3.51	-6.74	154.90	20.7	5.4	92.62	SW OF PANGUNA, PAPUA NEW GUINEA
#-843	4/16	20	24	24.00	62.89	-149.93	76.2	5.1	172.89	N OF TALKEETNA, ALASKA
#-844	4/17	4	38	17.70	4.52	122.94	572.9	5.8	92.05	SE OF TABIAUAN, PHILIPPINES
#-845	4/17	13	3	3.87	-7.82	117.49	277.4	5.0	78.59	NW OF LABUHANKANANGA, INDONESIA
#-846	4/17	13	10	5.07	-55.04	-129.53	10.4	5.6	55.66	PACIFIC-ANTARCTIC RIDGE
#-847	4/17	13	20	20.00	-22.53	-69.09	98.7	4.6	75.23	WSW OF CALAMA, CHILE
#-848	4/17	15	6	51.49	-62.87	155.74	20.6	6.2	40.76	BALLENY ISLANDS REGION
#-849	4/17	15	11	1.48	-62.82	155.72	11.5	5.2	40.80	BALLENY ISLANDS REGION
#-850	4/17	16	35	20.14	-19.04	169.32	258.3	4.6	85.09	N OF ISANGEL, VANUATU
#-851	4/17	16	59	45.04	-7.33	154.99	38.9	4.6	92.10	SSW OF PANGUNA, PAPUA NEW GUINEA
#-852	4/17	22	59	50.34	46.80	153.31	39.2	5.1	141.40	KURIL ISLANDS
#-853	4/17	23	13	2.93	-55.54	-28.28	13.4	5.4	32.00	NNW OF VISOKOI ISLAND
#-854	4/17	23	20	6.37	-25.11	179.85	510.0	4.6	81.68	SOUTH OF THE FIJI ISLANDS
#-855	4/18	1	52	47.28	-55.43	-28.05	34.9	4.7	32.00	NNW OF VISOKOI ISLAND
#-856	4/18	5	7	36.23	38.41	21.85	17.5	4.6	91.45	NNE OF NAFPAKTOS, GREECE
#-857	4/18	5	23	26.60	-11.18	164.84	18.0	4.7	91.42	WSW OF LATA, SOLOMON ISLANDS
#-858	4/18	6	57	44.35	-19.93	-71.08	9.7	4.5	78.32	WNW OF IQUIQUE, CHILE
#-859	4/18	7	28	27.30	-10.81	165.55	10.0	4.6	91.97	WSW OF LATA, SOLOMON ISLANDS
#-860	4/18	7	30	14.01	-11.19	164.80	10.0	5.1	91.40	WSW OF LATA, SOLOMON ISLANDS
#-861	4/18	7	46	57.18	-27.75	-62.78	609.7	5.2	68.29	WSW OF QUIMILI, ARGENTINA
#-862	4/18	13	33	36.01	-9.06	110.34	15.4	5.3	74.92	S OF BAMBANGLIPURO, INDONESIA
#-863	4/18	14	27	24.92	17.40	-100.97	24.0	7.2	122.75	ESE OF PETATLAN, MEXICO
#-864	4/18	15	7	10.59	-9.10	110.42	36.9	5.0	74.90	S OF WONOSARI, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-865	4/18	15	24	9.84	-11.29	162.91	10.0	4.8	90.75	SE OF KIRAKIRA, SOLOMON ISLANDS
#-866	4/18	16	40	18.21	-25.90	179.72	488.7	4.7	80.89	SOUTH OF THE FIJI ISLANDS
#-867	4/18	17	53	41.57	-6.76	155.32	57.9	4.8	92.74	SSW OF PANGUNA, PAPUA NEW GUINEA
#-868	4/18	18	44	18.00	67.72	-162.67	23.4	5.6	171.95	NE OF NOATAK, ALASKA
#-869	4/18	18	56	46.00	67.77	-162.67	33.0	5.3	171.96	NE OF NOATAK, ALASKA
#-870	4/18	19	5	4.77	-62.78	155.52	9.6	5.8	40.79	BALLENY ISLANDS REGION
#-871	4/18	21	30	11.53	-11.25	164.70	10.5	4.7	91.31	WSW OF LATA, SOLOMON ISLANDS
#-872	4/18	23	45	36.41	-20.63	-70.95	11.0	4.5	77.61	WSW OF IQUIQUE, CHILE
#-873	4/19	1	4	3.82	-6.66	155.09	29.0	6.6	92.76	SW OF PANGUNA, PAPUA NEW GUINEA
#-874	4/19	1	8	29.60	-6.91	155.25	25.3	5.2	92.58	SSW OF PANGUNA, PAPUA NEW GUINEA
#-875	4/19	7	7	49.99	-23.99	-179.81	571.7	4.7	82.84	SOUTH OF THE FIJI ISLANDS
#-876	4/19	8	23	16.96	-7.25	155.47	58.0	4.5	92.32	S OF PANGUNA, PAPUA NEW GUINEA
#-877	4/19	10	29	39.15	-14.85	166.19	7.3	4.6	88.28	WNW OF PORT-OLRY, VANUATU
#-878	4/19	10	53	14.20	5.37	94.17	35.0	4.5	83.32	W OF BANDA ACEH, INDONESIA
#-879	4/19	12	52	39.91	-17.96	-178.46	622.0	4.8	89.00	SE OF LAMBASA, FIJI
#-880	4/19	13	21	17.08	-6.73	155.21	35.0	5.2	92.73	SW OF PANGUNA, PAPUA NEW GUINEA
#-881	4/19	13	23	34.05	-5.87	154.18	54.9	4.7	93.21	BOUGAINVILLE REGION, PAPUA NEW GUINEA
#-882	4/19	13	28	0.81	-6.75	155.02	43.4	7.5	92.65	SW OF PANGUNA, PAPUA NEW GUINEA
#-883	4/19	13	31	54.85	-7.02	154.72	35.0	5.8	92.30	SW OF PANGUNA, PAPUA NEW GUINEA
#-884	4/19	13	44	58.16	-7.09	154.91	35.0	4.5	92.30	SW OF PANGUNA, PAPUA NEW GUINEA
#-885	4/19	13	46	15.95	-7.02	154.58	35.0	5.0	92.26	SW OF PANGUNA, PAPUA NEW GUINEA
#-886	4/19	13	47	47.24	-6.95	154.81	35.0	5.6	92.39	SW OF PANGUNA, PAPUA NEW GUINEA
#-887	4/19	13	51	23.41	-6.93	155.10	35.0	4.8	92.51	SSW OF PANGUNA, PAPUA NEW GUINEA
#-888	4/19	13	53	1.22	-7.05	154.84	35.0	4.9	92.31	SW OF PANGUNA, PAPUA NEW GUINEA
#-889	4/19	13	53	51.85	-6.81	154.88	35.0	5.1	92.55	SW OF PANGUNA, PAPUA NEW GUINEA
#-890	4/19	14	17	9.28	-6.69	153.81	35.0	4.5	92.31	WSW OF PANGUNA, PAPUA NEW GUINEA
#-891	4/19	14	19	41.03	-6.97	155.17	35.0	4.7	92.49	SSW OF PANGUNA, PAPUA NEW GUINEA
#-892	4/19	14	22	37.14	-6.90	104.87	58.1	4.7	75.07	W OF TUGU HILIR, INDONESIA
#-893	4/19	14	32	7.00	-6.82	154.67	35.0	4.8	92.47	WSW OF PANGUNA, PAPUA NEW GUINEA
#-894	4/19	14	56	31.18	-6.95	154.91	35.0	4.9	92.43	SW OF PANGUNA, PAPUA NEW GUINEA
#-895	4/19	14	58	16.47	17.42	-101.21	35.0	5.0	122.84	SSE OF PETATLAN, MEXICO
#-896	4/19	15	49	48.91	-6.52	154.81	35.0	4.8	92.81	WSW OF PANGUNA, PAPUA NEW GUINEA
#-897	4/19	16	41	43.42	-7.11	154.78	35.0	5.0	92.23	SW OF PANGUNA, PAPUA NEW GUINEA
#-898	4/19	16	49	38.39	-6.97	154.92	35.0	5.2	92.41	SW OF PANGUNA, PAPUA NEW GUINEA
#-899	4/19	16	56	13.72	-6.91	154.61	37.7	5.2	92.37	SW OF PANGUNA, PAPUA NEW GUINEA
#-900	4/19	17	19	50.47	-6.40	154.93	82.4	5.0	92.96	W OF PANGUNA, PAPUA NEW GUINEA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-901	4/19	17	45	12.01	-7.04	154.91	46.3	5.3	92.34	SW OF PANGUNA, PAPUA NEW GUINEA
#-902	4/19	17	50	40.85	-7.21	154.84	35.2	4.9	92.16	SW OF PANGUNA, PAPUA NEW GUINEA
#-903	4/19	17	55	21.76	-7.09	154.85	40.6	5.3	92.27	SW OF PANGUNA, PAPUA NEW GUINEA
#-904	4/19	18	9	24.45	-7.28	154.83	39.7	4.7	92.09	SW OF PANGUNA, PAPUA NEW GUINEA
#-905	4/19	18	11	22.36	-7.15	154.77	44.1	5.1	92.20	SW OF PANGUNA, PAPUA NEW GUINEA
#-906	4/19	18	29	32.56	-6.81	154.59	49.8	4.5	92.46	WSW OF PANGUNA, PAPUA NEW GUINEA
#-907	4/19	19	16	21.08	-7.25	154.83	26.6	4.9	92.11	SW OF PANGUNA, PAPUA NEW GUINEA
#-908	4/19	20	0	15.10	-6.50	154.57	53.2	4.7	92.75	WSW OF PANGUNA, PAPUA NEW GUINEA
#-909	4/19	20	54	42.28	-20.03	-70.92	10.0	5.8	78.17	WNW OF IQUIQUE, CHILE
#-910	4/19	23	6	17.26	-6.98	155.01	40.6	5.5	92.43	SW OF PANGUNA, PAPUA NEW GUINEA
#-911	4/20	0	10	45.95	-7.05	155.18	27.7	5.2	92.41	SSW OF PANGUNA, PAPUA NEW GUINEA
#-912	4/20	0	15	58.10	-7.16	155.34	20.0	6.2	92.36	S OF PANGUNA, PAPUA NEW GUINEA
#-913	4/20	0	58	26.03	-28.39	-69.01	113.5	4.7	69.73	WNW OF VINCHINA, ARGENTINA
#-914	4/20	1	42	56.93	-6.58	154.48	29.2	4.6	92.64	WSW OF PANGUNA, PAPUA NEW GUINEA
#-915	4/20	1	54	11.70	-26.55	-115.02	10.0	5.9	82.57	SOUTHERN EAST PACIFIC RISE
#-916	4/20	2	21	26.90	-6.95	154.83	18.6	4.7	92.40	SW OF PANGUNA, PAPUA NEW GUINEA
#-917	4/20	2	30	34.00	-22.43	-68.74	114.7	4.5	75.21	ENE OF CALAMA, CHILE
#-918	4/20	4	17	31.58	-6.83	154.55	11.0	5.8	92.42	WSW OF PANGUNA, PAPUA NEW GUINEA
#-919	4/20	4	23	11.75	-7.01	154.60	27.3	5.0	92.27	SW OF PANGUNA, PAPUA NEW GUINEA
#-920	4/20	4	29	6.45	-7.15	155.12	31.1	4.7	92.30	SSW OF PANGUNA, PAPUA NEW GUINEA
#-921	4/20	7	45	43.64	-11.00	161.60	10.0	5.0	90.64	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-922	4/20	8	10	16.57	-7.02	154.91	55.2	4.7	92.36	SW OF PANGUNA, PAPUA NEW GUINEA
#-923	4/20	8	24	28.63	-6.48	154.68	35.0	5.0	92.80	WSW OF PANGUNA, PAPUA NEW GUINEA
#-924	4/20	8	43	51.93	0.63	98.39	43.1	5.4	80.08	SW OF PADANGSIDEMPUAN, INDONESIA
#-925	4/20	8	56	37.80	-6.15	149.10	35.0	5.0	91.28	W OF KANDRIAN, PAPUA NEW GUINEA
#-926	4/20	13	28	42.92	-6.87	154.67	54.8	5.1	92.43	SW OF PANGUNA, PAPUA NEW GUINEA
#-927	4/20	13	50	42.26	53.12	163.05	43.7	5.3	150.13	E OF PETROPAVLOVSK-KAMCHATSKIY, RUSSIA
#-928	4/20	14	9	14.71	-24.60	179.82	513.4	4.6	82.17	SOUTH OF THE FIJI ISLANDS
#-929	4/20	14	9	16.67	-31.47	-178.28	35.0	4.7	75.86	E OF L'ESPERANCE ROCK, NEW ZEALAND
#-930	4/20	15	55	34.46	11.95	142.50	46.5	5.0	105.96	WSW OF MERIZO VILLAGE, GUAM
#-931	4/20	16	21	23.59	-7.21	155.09	46.3	4.8	92.24	SSW OF PANGUNA, PAPUA NEW GUINEA
#-932	4/20	23	0	21.04	-7.05	149.52	35.2	4.5	90.57	S OF KANDRIAN, PAPUA NEW GUINEA
#-933	4/20	23	17	48.40	-18.42	-175.00	176.7	4.6	89.24	WNW OF NEIAFU, TONGA
#-934	4/21	2	31	36.82	-6.76	154.61	35.9	5.0	92.51	WSW OF PANGUNA, PAPUA NEW GUINEA
#-935	4/21	3	21	23.00	-28.25	-12.79	8.9	5.0	50.42	SOUTHERN MID-ATLANTIC RIDGE
#-936	4/21	6	21	32.54	-11.50	162.57	29.6	4.9	90.45	SSE OF KIRAKIRA, SOLOMON ISLANDS

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-937	4/21	9	4	21.64	-6.22	154.43	27.0	5.6	92.96	W OF PANGUNA, PAPUA NEW GUINEA
#-938	4/21	11	25	29.80	-6.23	154.43	59.6	5.1	92.96	W OF PANGUNA, PAPUA NEW GUINEA
#-939	4/21	12	34	9.37	4.02	91.60	10.0	5.1	81.28	OFF THE WEST COAST OF NORTHERN SUMATRA
#-940	4/21	13	37	10.72	-20.13	-173.27	25.0	5.2	87.89	ESE OF PANGAI, TONGA
#-941	4/21	13	39	5.25	-19.63	-71.04	16.8	5.3	78.59	NW OF IQUIQUE, CHILE
#-942	4/21	14	2	15.84	51.84	-175.98	54.2	5.4	156.27	E OF ADAK, ALASKA
#-943	4/21	14	57	55.61	-6.98	154.78	40.3	5.3	92.36	SW OF PANGUNA, PAPUA NEW GUINEA
#-944	4/21	18	20	19.09	-11.43	162.30	12.2	4.5	90.44	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-945	4/21	19	46	52.99	-6.36	155.15	72.3	4.8	93.06	W OF PANGUNA, PAPUA NEW GUINEA
#-946	4/21	20	45	21.15	17.38	119.95	9.5	5.4	103.00	WSW OF FUERTE, PHILIPPINES
#-947	4/21	21	41	28.11	-20.14	-173.05	27.7	5.3	87.92	ESE OF PANGAI, TONGA
#-948	4/21	21	59	1.96	-6.63	154.75	13.9	5.6	92.68	WSW OF PANGUNA, PAPUA NEW GUINEA
#-949	4/21	23	31	57.51	-15.16	167.45	127.7	4.8	88.33	ESE OF PORT-OLRY, VANUATU
#-950	4/22	4	57	55.31	-15.02	-173.86	10.0	4.7	92.78	N OF HIHIFO, TONGA
#-951	4/23	2	51	37.33	-6.79	155.17	35.0	4.8	92.16	62KM SSW OF PANGUNA, PAPUA NEW GUINEA
#-952	4/23	5	40	1.43	-6.63	154.58	35.0	5.3	92.62	105KM WSW OF PANGUNA, PAPUA NEW GUINEA
#-953	4/23	8	58	39.03	-7.51	154.66	43.5	5.0	91.82	SW OF PANGUNA, PAPUA NEW GUINEA
#-954	4/23	10	32	28.17	-5.36	102.76	35.0	4.5	75.82	WSW OF KURIPAN, INDONESIA
#-955	4/23	12	0	19.46	-36.30	-97.19	10.0	4.6	69.85	WEST CHILE RISE
#-956	4/23	13	52	16.75	-18.83	-174.87	53.6	4.6	88.86	WSW OF NEIAFU, TONGA
#-957	4/23	18	9	14.91	-6.45	155.45	35.0	4.8	93.07	SSW OF PANGUNA, PAPUA NEW GUINEA
#-958	4/23	18	21	9.49	14.85	-45.02	10.0	5.1	101.73	NORTHERN MID-ATLANTIC RIDGE
#-959	4/23	20	4	4.82	-23.79	-179.81	518.4	4.9	83.04	SOUTH OF THE FIJI ISLANDS
#-960	4/23	21	30	52.72	-7.57	124.59	313.6	4.5	81.35	NW OF DILI, EAST TIMOR
#-961	4/23	22	13	22.20	-6.70	154.61	35.0	4.6	92.57	WSW OF PANGUNA, PAPUA NEW GUINEA
#-962	4/23	22	25	6.58	27.50	129.39	43.4	5.0	115.67	S OF NAZE, JAPAN
#-963	4/23	22	42	22.43	-30.67	-178.00	30.4	4.6	76.69	NE OF L'ESPERANCE ROCK, NEW ZEALAND
#-964	4/24	2	17	31.48	-10.84	165.68	63.9	5.0	91.97	SW OF LATA, SOLOMON ISLANDS
#-965	4/24	3	10	10.15	49.64	-127.73	10.0	6.5	159.59	S OF PORT HARDY, CANADA
#-966	4/24	10	7	3.97	-34.41	-72.54	10.0	5.0	65.22	N OF CONSTITUCION, CHILE
#-967	4/24	12	46	9.66	-59.66	-26.14	35.0	5.4	28.14	SSE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-968	4/24	19	51	58.63	-24.01	-176.67	63.1	5.9	83.45	SOUTH OF THE FIJI ISLANDS
#-969	4/25	4	36	59.58	-17.38	-173.31	20.6	5.1	90.58	NNE OF NEIAFU, TONGA
#-970	4/25	8	41	58.41	-16.71	-177.43	10.0	5.4	90.44	SSE OF SIGAVE, WALLIS AND FUTUNA
#-971	4/25	16	9	26.02	-7.15	154.80	48.8	4.9	92.20	SW OF PANGUNA, PAPUA NEW GUINEA
#-972	4/25	18	3	9.51	-5.76	147.20	131.3	5.0	91.01	NNE OF LAE, PAPUA NEW GUINEA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-973	4/25	20	59	47.77	26.75	53.87	11.2	5.0	96.38	NW OF KISH, IRAN
#-974	4/26	1	34	42.21	-7.14	154.75	27.5	4.9	92.19	SW OF PANGUNA, PAPUA NEW GUINEA
#-975	4/26	2	33	35.07	-56.40	-143.78	10.0	5.7	54.57	PACIFIC-ANTARCTIC RIDGE
#-976	4/26	3	55	33.79	73.52	8.10	10.0	5.1	143.91	GREENLAND SEA
#-977	4/26	4	19	52.29	-6.95	154.69	35.1	4.8	92.35	SW OF PANGUNA, PAPUA NEW GUINEA
#-978	4/26	6	2	21.00	-20.75	-174.71	45.0	6.1	87.01	NE OF NUKU`ALOFA, TONGA
#-979	4/26	6	12	58.42	-30.04	-177.81	75.0	4.6	77.34	S OF RAOUL ISLAND, NEW ZEALAND
#-980	4/26	6	55	40.99	-15.21	-178.66	10.0	4.5	91.65	SSW OF SIGAVE, WALLIS AND FUTUNA
#-981	4/26	7	1	21.53	-34.11	-72.11	14.0	4.8	65.37	SW OF SAN ANTONIO, CHILE
#-982	4/26	13	33	21.02	14.22	-92.35	73.8	5.0	117.31	SSW OF OCOS, GUATEMALA
#-983	4/26	13	55	55.92	48.51	153.21	132.1	5.0	142.81	KURIL ISLANDS
#-984	4/26	16	3	50.51	-7.00	154.81	35.6	5.0	92.35	SW OF PANGUNA, PAPUA NEW GUINEA
#-985	4/26	17	43	16.73	-6.58	154.67	40.4	4.9	92.70	WSW OF PANGUNA, PAPUA NEW GUINEA
#-986	4/26	18	58	26.74	-30.42	-178.98	203.8	4.7	76.75	N OF L'ESPERANCE ROCK, NEW ZEALAND
#-987	4/26	20	39	32.14	-23.53	-179.80	520.9	4.5	83.29	SOUTH OF THE FIJI ISLANDS
#-988	4/27	0	59	51.42	-56.11	-143.66	10.0	5.1	54.87	PACIFIC-ANTARCTIC RIDGE
#-989	4/27	13	36	20.16	38.41	93.04	17.1	5.1	114.53	WNW OF DA QAIDAM HU, CHINA
#-990	4/27	13	49	8.75	-6.67	155.16	52.5	5.2	92.77	SW OF PANGUNA, PAPUA NEW GUINEA
#-991	4/27	15	13	54.92	54.87	111.25	10.0	5.1	134.49	NE OF KURUMKAN, RUSSIA
#-992	4/27	16	23	5.81	-6.21	131.27	79.3	5.2	85.01	WSW OF TUAL, INDONESIA
#-993	4/27	18	10	39.09	-7.07	154.88	10.0	4.9	92.31	SW OF PANGUNA, PAPUA NEW GUINEA
#-994	4/28	0	9	38.63	-19.92	-70.87	21.0	4.7	78.25	WNW OF IQUIQUE, CHILE
#-995	4/28	0	43	50.65	19.71	120.07	6.0	5.4	105.22	NNW OF BURGOS, PHILIPPINES
#-996	4/28	6	21	57.90	21.55	143.14	314.0	4.7	115.11	WNW OF FARALLON DE PAJAROS, NORTHERN MARIANA ISL.
#-997	4/28	11	59	53.69	-17.64	-178.85	525.7	4.8	89.23	SE OF LAMBASA, FIJI
#-998	4/28	12	43	52.72	-32.10	57.08	15.7	5.3	38.32	SOUTHWEST INDIAN RIDGE
#-999	4/28	13	55	19.68	-40.83	-88.22	15.0	4.7	63.49	WEST CHILE RISE
#-1000	4/28	13	57	34.87	-7.04	155.25	35.0	4.6	92.45	SSW OF PANGUNA, PAPUA NEW GUINEA
#-1001	4/28	16	7	36.58	-12.35	114.01	10.0	4.5	73.12	NORTHWEST OF AUSTRALIA
#-1002	4/29	13	4	47.11	-8.42	109.14	46.8	4.6	75.10	S OF KARANGBADAR KIDUL, INDONESIA
#-1003	4/29	16	11	17.06	-15.50	167.61	155.7	5.0	88.04	E OF LUGANVILLE, VANUATU
#-1004	4/29	20	25	20.16	-36.42	-99.74	10.0	4.5	70.27	SOUTHEAST OF EASTER ISLAND
#-1005	4/29	22	22	32.65	-6.43	130.77	105.2	4.7	84.63	NNW OF SAUMLAKI, INDONESIA
#-1006	4/30	3	36	20.84	-23.27	-175.66	10.0	5.3	84.36	SSW OF `OHONUA, TONGA
#-1007	4/30	5	21	14.74	-33.00	-178.86	10.0	5.2	74.26	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-1008	4/30	6	20	55.88	43.03	94.26	10.0	5.3	119.20	ENE OF HAMI, CHINA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1009	4/30	15	5	14.66	-56.16	-27.42	107.9	5.0	31.21	NNW OF VISOKOI ISLAND
#-1010	4/30	15	52	40.77	-1.17	-13.46	10.0	5.7	76.28	NORTH OF ASCENSION ISLAND
#-1011	4/30	18	0	55.00	-32.72	-71.75	21.3	5.1	66.55	NNW OF VALPARAISO, CHILE
#-1012	4/30	18	9	50.16	-23.61	-175.77	10.0	4.6	84.01	SSW OF `OHONUA, TONGA
#-1013	5/1	6	36	35.55	-21.45	170.35	106.0	6.6	83.04	WNW OF ILE HUNTER, NEW CALEDONIA
#-1014	5/1	10	12	37.13	-41.41	-88.91	10.0	5.4	63.09	WEST CHILE RISE
#-1015	5/1	11	11	39.88	-11.59	166.32	63.2	5.2	91.45	SSE OF LATA, SOLOMON ISLANDS
#-1016	5/1	11	26	29.90	-7.37	154.62	40.0	4.8	91.93	SW OF PANGUNA, PAPUA NEW GUINEA
#-1017	5/1	13	1	36.55	-10.22	161.11	10.0	4.6	91.24	WNW OF KIRAKIRA, SOLOMON ISLANDS
#-1018	5/1	14	35	37.06	1.96	97.97	37.0	5.9	81.22	WSW OF ONAN GANJANG, INDONESIA
#-1019	5/1	15	21	13.72	6.51	130.14	6.5	5.3	96.48	PALAU REGION
#-1020	5/1	16	45	22.60	-20.00	-71.14	6.4	4.8	78.26	WNW OF IQUIQUE, CHILE
#-1021	5/1	18	9	5.69	-28.84	-176.53	11.0	4.9	78.75	ENE OF RAOUL ISLAND, NEW ZEALAND
#-1022	5/2	0	21	22.99	1.46	126.46	23.9	4.7	90.45	NW OF KOTA TERNATE, INDONESIA
#-1023	5/2	1	8	9.81	-21.26	-177.96	409.3	4.6	85.88	SE OF NDOI ISLAND, FIJI
#-1024	5/2	5	41	36.49	-6.02	103.76	57.7	4.6	75.53	SSW OF BIHA, INDONESIA
#-1025	5/2	7	46	4.31	-18.60	-175.40	13.0	5.6	88.99	W OF NEIAFU, TONGA
#-1026	5/2	8	43	36.50	-3.81	127.40	46.6	5.7	85.86	SSE OF NAMLEA, INDONESIA
#-1027	5/2	9	15	20.72	37.85	144.23	16.0	5.6	130.33	SE OF KAMAISHI, JAPAN
#-1028	5/2	11	12	8.31	-7.55	127.81	163.7	4.8	82.52	ENE OF DILI, EAST TIMOR
#-1029	5/2	13	33	3.54	0.33	126.38	46.3	4.5	89.37	WSW OF KOTA TERNATE, INDONESIA
#-1030	5/2	15	34	16.98	-5.88	149.09	86.3	4.5	91.53	NW OF KANDRIAN, PAPUA NEW GUINEA
#-1031	5/2	18	10	33.64	-16.29	-172.82	10.0	5.0	91.73	ESE OF HIHIFO, TONGA
#-1032	5/2	19	8	22.99	17.56	-94.46	148.0	5.1	121.11	SE OF HIDALGOTITLAN, MEXICO
#-1033	5/2	19	11	3.62	-18.01	-174.51	103.5	4.7	89.73	NW OF NEIAFU, TONGA
#-1034	5/3	3	46	49.78	-23.98	-175.80	10.0	4.8	83.65	TONGA REGION
#-1035	5/3	3	48	48.62	-1.02	127.26	36.1	4.5	88.42	NW OF LAIWUI, INDONESIA
#-1036	5/3	4	14	44.28	-17.67	-178.83	531.3	4.5	89.21	SE OF LAMBASA, FIJI
#-1037	5/3	4	51	31.02	-11.50	162.49	21.6	4.9	90.43	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-1038	5/3	8	57	12.00	67.63	-162.21	0.9	5.5	172.08	ENE OF NOATAK, ALASKA
#-1039	5/3	12	36	39.65	-19.77	-173.12	10.0	4.8	88.26	E OF PANGAI, TONGA
#-1040	5/3	14	47	4.76	1.87	97.88	43.4	5.4	81.11	WSW OF ONAN GANJANG, INDONESIA
#-1041	5/4	4	46	46.57	-20.04	-70.98	10.4	5.0	78.18	WNW OF IQUIQUE, CHILE
#-1042	5/4	8	53	56.63	4.26	126.61	84.5	5.0	93.12	SE OF SARANGANI, PHILIPPINES
#-1043	5/4	9	15	52.88	-24.61	179.09	527.0	6.6	82.01	SOUTH OF THE FIJI ISLANDS
#-1044	5/4	9	25	15.96	-25.81	178.24	634.2	6.3	80.66	SOUTH OF THE FIJI ISLANDS

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1045	5/4	9	38	23.96	-25.85	178.24	629.3	5.2	80.63	SOUTH OF THE FIJI ISLANDS
#-1046	5/4	15	0	48.39	-56.01	-27.59	117.8	4.6	31.39	NNW OF VISOKOI ISLAND
#-1047	5/4	15	24	24.84	-23.37	-175.75	5.4	4.8	84.25	SSW OF `OHONUA, TONGA
#-1048	5/4	20	18	24.68	34.91	139.42	153.0	6.0	125.97	E OF ITO, JAPAN
#-1049	5/4	20	23	31.41	40.61	77.66	10.0	5.4	113.28	NE OF ARZAK, CHINA
#-1050	5/5	2	24	52.61	-9.75	159.83	35.4	5.3	91.31	SSW OF HONIARA, SOLOMON ISLANDS
#-1051	5/5	5	14	11.31	-26.88	-71.07	10.0	4.6	71.79	NW OF COPIAPO, CHILE
#-1052	5/5	11	8	43.42	19.66	99.67	6.0	6.1	98.55	NNW OF PHAN, THAILAND
#-1053	5/5	11	21	17.41	-20.21	-70.77	13.5	5.4	77.95	W OF IQUIQUE, CHILE
#-1054	5/5	11	52	43.67	-14.19	172.37	594.2	4.7	90.55	VANUATU REGION
#-1055	5/5	13	3	45.05	-15.88	167.77	162.4	5.2	87.72	NE OF LAKATORO, VANUATU
#-1056	5/5	13	38	29.65	-20.26	-67.90	156.1	4.9	76.97	W OF COLCHANI, BOLIVIA
#-1057	5/5	20	41	0.22	-18.96	169.50	255.0	4.5	85.22	NNE OF ISANGEL, VANUATU
#-1058	5/6	0	50	16.27	19.70	99.63	10.0	5.0	98.59	NE OF MAE SUAI, THAILAND
#-1059	5/6	0	58	20.54	19.62	99.47	10.0	5.0	98.46	WSW OF MAE SUAI, THAILAND
#-1060	5/6	4	2	3.68	-7.07	154.91	35.0	4.6	92.31	SW OF PANGUNA, PAPUA NEW GUINEA
#-1061	5/6	4	5	41.80	-56.27	-24.50	45.6	4.5	30.10	ENE OF VISOKOI ISLAND
#-1062	5/6	4	32	6.39	-20.05	-177.79	547.6	5.4	87.10	NE OF NDOI ISLAND, FIJI
#-1063	5/6	6	22	59.64	-6.32	154.87	35.0	5.1	93.01	W OF PANGUNA, PAPUA NEW GUINEA
#-1064	5/6	11	24	30.87	-22.09	-179.42	568.0	4.7	84.78	SSW OF NDOI ISLAND, FIJI
#-1065	5/6	20	52	28.32	-36.17	-97.05	16.8	6.3	69.95	WEST CHILE RISE
#-1066	5/7	4	20	33.87	-6.96	154.90	10.0	6.0	92.42	SW OF PANGUNA, PAPUA NEW GUINEA
#-1067	5/7	4	45	0.67	-7.01	154.76	18.8	5.3	92.32	SW OF PANGUNA, PAPUA NEW GUINEA
#-1068	5/7	4	46	20.74	-10.08	161.40	99.4	4.8	91.46	NW OF KIRAKIRA, SOLOMON ISLANDS
#-1069	5/7	4	56	17.51	-6.98	154.91	35.0	4.8	92.40	SW OF PANGUNA, PAPUA NEW GUINEA
#-1070	5/7	16	0	53.49	-21.07	-179.04	634.1	4.7	85.85	SW OF NDOI ISLAND, FIJI
#-1071	5/8	4	30	18.98	-50.16	128.32	15.0	4.7	43.98	WESTERN INDIAN-ANTARCTIC RIDGE
#-1072	5/8	8	29	47.57	7.98	-38.03	10.0	4.7	92.87	CENTRAL MID-ATLANTIC RIDGE
#-1073	5/8	9	42	27.76	-21.87	170.80	131.7	4.8	82.75	WNW OF ILE HUNTER, NEW CALEDONIA
#-1074	5/8	11	46	4.24	-4.86	152.31	65.0	5.2	93.56	S OF KOKOPO, PAPUA NEW GUINEA
#-1075	5/8	15	52	47.84	49.63	156.15	56.8	5.2	144.80	S OF SEVERO-KURIL'SK, RUSSIA
#-1076	5/8	17	0	14.81	17.23	-100.75	17.1	6.4	122.53	WSW OF TECPAN DE GALEANA, MEXICO
#-1077	5/9	5	44	27.82	5.68	125.71	132.5	5.4	94.12	E OF KALBAY, PHILIPPINES
#-1078	5/9	10	32	22.19	-18.96	-175.54	192.3	5.9	88.61	NW OF PANGAI, TONGA
#-1079	5/9	11	44	51.00	-34.71	-71.69	44.4	4.7	64.68	WSW OF SANTA CRUZ, CHILE
#-1080	5/9	12	54	53.31	8.73	126.31	82.1	5.0	97.18	SSE OF MARIHATAG, PHILIPPINES

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1081	5/9	13	55	12.94	-23.28	170.31	37.7	4.9	81.26	WSW OF ILE HUNTER, NEW CALEDONIA
#-1082	5/9	14	3	59.77	-18.37	-178.13	528.9	4.9	88.67	NNE OF NDOI ISLAND, FIJI
#-1083	5/9	17	47	1.95	-19.69	-177.70	437.6	4.8	87.47	NE OF NDOI ISLAND, FIJI
#-1084	5/9	18	14	2.57	-23.40	-175.24	10.0	5.0	84.32	S OF `OHONUA, TONGA
#-1085	5/9	21	51	7.75	-7.03	154.86	33.2	5.1	92.33	SW OF PANGUNA, PAPUA NEW GUINEA
#-1086	5/10	2	14	32.75	-45.74	-12.47	10.0	5.3	34.47	SOUTHERN MID-ATLANTIC RIDGE
#-1087	5/10	2	42	11.34	-8.13	117.54	229.3	5.2	78.31	W OF LABUHANKANANGA, INDONESIA
#-1088	5/10	5	24	40.54	-23.67	-174.92	10.0	4.6	84.11	S OF `OHONUA, TONGA
#-1089	5/10	7	36	1.22	17.22	-100.81	23.0	6.0	122.53	WSW OF TECPAN DE GALEANA, MEXICO
#-1090	5/10	9	0	37.65	-41.22	-81.17	10.0	4.8	61.33	WEST CHILE RISE
#-1091	5/10	11	53	18.44	-15.02	-171.87	25.7	4.8	93.15	SSW OF MATAVAI, SAMOA
#-1092	5/10	14	16	9.00	60.00	-152.13	91.1	5.6	169.83	NNW OF ANCHOR POINT, ALASKA
#-1093	5/10	15	15	8.95	-23.55	-174.00	10.0	4.5	84.40	SSE OF `OHONUA, TONGA
#-1094	5/10	19	25	39.76	-23.44	-175.55	14.4	5.0	84.22	SSW OF `OHONUA, TONGA
#-1095	5/10	19	46	19.67	-6.95	155.46	41.4	4.9	92.60	S OF PANGUNA, PAPUA NEW GUINEA
#-1096	5/10	23	42	41.25	-6.00	130.66	120.6	4.7	84.99	NNW OF SAUMLAKI, INDONESIA
#-1097	5/11	1	10	15.72	-3.43	146.11	10.0	5.9	92.82	N OF MADANG, PAPUA NEW GUINEA
#-1098	5/11	12	34	58.18	-47.78	99.67	10.0	5.2	35.97	SOUTHEAST INDIAN RIDGE
#-1099	5/11	12	35	17.47	-47.85	99.69	10.0	5.8	35.91	SOUTHEAST INDIAN RIDGE
#-1100	5/11	13	30	28.62	5.54	126.58	61.5	5.3	94.30	SSE OF PONDAGUITAN, PHILIPPINES
#-1101	5/11	20	42	30.37	-13.88	167.24	189.1	5.6	89.50	W OF SOLA, VANUATU
#-1102	5/12	0	27	41.56	-32.13	179.90	340.3	4.5	74.86	SW OF L'ESPERANCE ROCK, NEW ZEALAND
#-1103	5/12	1	37	22.81	-30.29	-177.58	6.3	4.7	77.14	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1104	5/12	3	36	2.76	-4.96	68.52	10.0	5.2	66.96	CHAGOS ARCHIPELAGO REGION
#-1105	5/12	5	7	58.24	-6.92	155.38	35.0	5.1	92.60	S OF PANGUNA, PAPUA NEW GUINEA
#-1106	5/12	11	54	28.49	-20.60	-70.92	13.1	4.6	77.63	WSW OF IQUIQUE, CHILE
#-1107	5/12	14	18	41.00	-55.68	-25.05	52.7	4.7	30.75	NE OF VISOKOI ISLAND
#-1108	5/12	18	38	36.70	-49.94	-114.80	10.5	6.5	59.49	SOUTHERN EAST PACIFIC RISE
#-1109	5/12	18	51	0.72	43.71	-128.10	10.0	5.1	153.84	OFF THE COAST OF OREGON
#-1110	5/12	20	7	51.68	-49.62	-115.35	10.0	4.9	59.87	SOUTHERN EAST PACIFIC RISE
#-1111	5/12	23	53	0.44	-42.29	88.50	13.8	4.6	126.82	SOUTHEAST INDIAN RIDGE
#-1112	5/13	6	35	24.24	7.21	-82.30	10.0	6.5	107.57	SE OF PUNTA DE BURICA, PANAMA
#-1113	5/13	10	5	38.12	-15.24	-177.16	10.0	4.7	91.92	SE OF SIGAVE, WALLIS AND FUTUNA
#-1114	5/13	10	36	6.76	-6.86	155.39	60.2	4.7	92.66	S OF PANGUNA, PAPUA NEW GUINEA
#-1115	5/13	10	38	15.02	-6.84	155.27	53.3	5.2	92.64	SSW OF PANGUNA, PAPUA NEW GUINEA
#-1116	5/13	13	21	41.40	-56.87	-25.02	10.0	4.8	29.82	E OF VISOKOI ISLAND

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1117	5/14	1	51	34.87	-27.58	-179.08	386.1	4.9	79.49	NNW OF RAOUL ISLAND, NEW ZEALAND
#-1118	5/14	3	38	21.25	-22.72	-66.44	213.1	5.6	74.18	W OF ABRA PAMPA, ARGENTINA
#-1119	5/14	5	51	47.56	-19.71	-71.06	10.0	5.2	78.52	WNW OF IQUIQUE, CHILE
#-1120	5/14	8	19	41.66	-19.75	-71.00	15.2	4.6	78.46	WNW OF IQUIQUE, CHILE
#-1121	5/14	16	52	10.17	-7.25	105.83	54.7	4.7	75.06	S OF TANJUNGAN, INDONESIA
#-1122	5/14	19	9	31.95	-1.28	-16.20	10.0	4.6	76.98	NORTH OF ASCENSION ISLAND
#-1123	5/14	20	56	13.21	6.45	144.92	10.0	6.1	101.68	SSE OF IFALIK, MICRONESIA
#-1124	5/15	1	48	52.81	-5.59	-80.98	50.0	4.6	95.01	WSW OF SECHURA, PERU
#-1125	5/15	8	54	53.48	-54.26	-55.23	10.0	4.6	42.07	FALKLAND ISLANDS REGION
#-1126	5/15	10	16	42.02	9.38	122.06	15.5	6.3	96.28	WSW OF ALIM, PHILIPPINES
#-1127	5/15	12	49	1.35	-24.41	-179.89	491.9	4.5	82.42	SOUTH OF THE FIJI ISLANDS
#-1128	5/15	17	53	37.24	7.56	94.29	38.9	4.6	85.45	ESE OF MOHEAN, INDIA
#-1129	5/15	22	43	17.85	-7.60	-79.37	64.2	5.1	92.59	NNW OF PAIJAN, PERU
#-1130	5/16	0	40	15.70	-22.53	173.00	9.0	5.5	82.65	E OF ILE HUNTER, NEW CALEDONIA
#-1131	5/16	8	1	22.11	-10.00	-74.06	132.3	4.6	88.63	NNE OF SATIPO, PERU
#-1132	5/16	10	13	28.32	-16.30	-173.15	10.0	4.7	91.66	ESE OF HIHIFO, TONGA
#-1133	5/16	11	1	40.02	17.09	-60.36	5.3	5.9	109.27	NE OF GRANDE ANSE, GUADELOUPE
#-1134	5/16	11	12	3.98	17.10	-60.33	10.0	5.0	109.27	NE OF GRANDE ANSE, GUADELOUPE
#-1135	5/16	17	8	32.36	-23.45	-68.54	105.0	5.5	74.19	SSW OF SAN PEDRO DE ATACAMA, CHILE
#-1136	5/16	17	29	25.97	-2.59	138.86	66.8	4.7	91.09	W OF ABEPURA, INDONESIA
#-1137	5/16	20	40	4.29	-6.41	147.14	49.1	4.6	90.37	NNE OF LAE, PAPUA NEW GUINEA
#-1138	5/16	21	11	29.10	-10.40	-13.23	10.0	5.1	67.40	ASCENSION ISLAND REGION
#-1139	5/16	21	20	24.00	-4.98	102.98	63.3	5.0	76.25	W OF KURIPAN, INDONESIA
#-1140	5/17	5	39	21.55	-49.32	-115.83	10.0	4.6	60.22	SOUTHERN EAST PACIFIC RISE
#-1141	5/17	9	11	5.39	-19.99	-70.90	5.6	5.6	78.20	WNW OF IQUIQUE, CHILE
#-1142	5/17	12	13	27.72	-54.25	-146.68	5.0	5.7	56.67	PACIFIC-ANTARCTIC RIDGE
#-1143	5/17	21	28	16.84	-56.25	-27.53	90.0	5.5	31.19	NNW OF VISOKOI ISLAND
#-1144	5/17	23	43	56.06	-7.13	154.70	43.5	4.8	92.20	SW OF PANGUNA, PAPUA NEW GUINEA
#-1145	5/18	0	58	27.72	-14.67	-175.53	10.0	5.7	92.81	SSE OF MATA-UTU, WALLIS AND FUTUNA
#-1146	5/18	1	2	32.61	4.25	92.76	35.0	6.0	81.83	OFF THE WEST COAST OF NORTHERN SUMATRA
#-1147	5/18	4	19	17.56	-21.30	169.85	62.0	5.6	83.05	SSE OF ISANGEL, VANUATU
#-1148	5/18	6	38	40.07	-14.80	-175.90	10.0	5.6	92.60	S OF MATA-UTU, WALLIS AND FUTUNA
#-1149	5/18	10	59	21.50	3.15	93.86	4.8	5.5	81.11	WSW OF MEULABOH, INDONESIA
#-1150	5/18	15	22	12.47	-18.28	-178.22	627.3	4.9	88.74	N OF NDOI ISLAND, FIJI
#-1151	5/18	21	16	45.13	-19.12	169.59	280.9	4.8	85.09	NE OF ISANGEL, VANUATU
#-1152	5/18	21	16	49.25	-44.76	36.68	15.0	4.7	24.28	NNW OF MARION ISLAND, PRINCE EDWARD ISLANDS

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1153	5/18	23	47	4.28	-4.42	-105.94	10.0	5.8	102.74	CENTRAL EAST PACIFIC RISE
#-1154	5/19	1	53	54.11	-4.77	-105.55	10.0	5.5	102.31	CENTRAL EAST PACIFIC RISE
#-1155	5/19	2	43	26.55	-5.52	146.47	131.0	4.7	90.99	ESE OF MADANG, PAPUA NEW GUINEA
#-1156	5/19	3	56	43.60	-56.99	-24.92	10.0	5.4	29.70	ESE OF VISOKOI ISLAND
#-1157	5/19	9	29	47.03	-31.99	57.09	10.0	4.7	38.42	SOUTHWEST INDIAN RIDGE
#-1158	5/19	18	21	5.16	-49.59	126.09	10.0	4.8	43.72	WESTERN INDIAN-ANTARCTIC RIDGE
#-1159	5/19	22	47	12.98	-57.03	-25.15	10.0	5.7	29.74	ESE OF VISOKOI ISLAND
#-1160	5/20	11	48	40.90	-56.10	-143.71	10.0	4.7	54.88	PACIFIC-ANTARCTIC RIDGE
#-1161	5/20	15	48	33.18	-57.07	-25.24	51.6	5.0	29.74	ESE OF VISOKOI ISLAND
#-1162	5/20	20	5	8.87	-68.74	170.69	16.7	5.0	38.40	BALLENY ISLANDS REGION
#-1163	5/20	20	16	16.35	-19.22	-177.50	581.7	4.5	87.97	NE OF NDOI ISLAND, FIJI
#-1164	5/21	0	21	12.90	23.76	121.50	13.0	5.6	109.47	SSW OF HUALIAN, TAIWAN
#-1165	5/21	1	28	25.29	-57.85	-25.93	107.0	5.1	29.40	NNE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1166	5/21	8	21	54.12	-8.79	125.37	10.0	4.9	80.49	WSW OF AILEU, EAST TIMOR
#-1167	5/21	9	0	53.21	-30.45	-71.31	36.2	5.1	68.53	NNW OF OVALLE, CHILE
#-1168	5/21	9	46	28.28	29.57	50.89	11.0	5.2	98.96	E OF BANDAR-E GANAVEH, IRAN
#-1169	5/21	10	6	15.80	17.12	-95.07	120.3	5.8	120.87	SSW OF PALOMARES, MEXICO
#-1170	5/21	16	21	54.35	18.20	88.04	47.2	6.0	93.93	SE OF KONARKA, INDIA
#-1171	5/21	18	14	27.34	-2.91	127.98	22.5	5.3	86.91	NW OF PIRU, INDONESIA
#-1172	5/21	20	51	58.18	-11.15	-13.03	10.0	4.7	66.63	ASCENSION ISLAND REGION
#-1173	5/22	0	16	8.74	-24.22	179.78	508.5	4.6	82.54	SOUTH OF THE FIJI ISLANDS
#-1174	5/22	2	40	1.44	-4.31	122.86	28.1	4.7	83.78	SE OF KENDARI, INDONESIA
#-1175	5/22	8	37	56.58	-55.40	-28.28	7.0	5.5	32.11	NNW OF VISOKOI ISLAND
#-1176	5/22	16	22	13.88	-11.51	161.65	35.2	4.9	90.18	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-1177	5/23	3	1	47.75	-17.48	-178.66	538.7	4.5	89.43	ESE OF LAMBASA, FIJI
#-1178	5/23	3	21	7.93	-17.74	-178.73	544.3	4.5	89.16	SE OF LAMBASA, FIJI
#-1179	5/23	7	28	32.02	-7.02	102.58	19.9	4.6	74.20	SW OF BIHA, INDONESIA
#-1180	5/23	9	6	57.58	-6.94	102.64	29.8	5.2	74.29	SW OF BIHA, INDONESIA
#-1181	5/23	9	13	30.39	-11.10	161.55	10.0	5.3	90.54	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-1182	5/23	9	33	58.43	-11.49	162.06	10.0	5.1	90.31	S OF KIRAKIRA, SOLOMON ISLANDS
#-1183	5/23	11	55	17.98	-7.18	155.05	10.0	4.9	92.25	SSW OF PANGUNA, PAPUA NEW GUINEA
#-1184	5/23	13	58	38.06	-26.90	-176.56	10.0	4.6	80.64	NNE OF RAOUL ISLAND, NEW ZEALAND
#-1185	5/23	21	20	6.59	18.95	145.04	558.1	5.7	113.38	WNW OF AGRIHAN, NORTHERN MARIANA ISLANDS
#-1186	5/24	4	28	38.34	-24.65	-175.93	42.2	4.9	82.97	SOUTH OF TONGA
#-1187	5/24	8	24	47.99	16.53	-98.14	17.0	5.7	121.15	S OF SAN JUAN CACAHUATEPEC, MEXICO
#-1188	5/24	9	25	2.44	40.29	25.39	6.4	6.9	109.77	SSW OF KAMARIOTISSA, GREECE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1189	5/24	11	49	26.07	0.69	-26.32	10.0	5.9	82.05	CENTRAL MID-ATLANTIC RIDGE
#-1190	5/24	20	58	4.09	-6.34	104.12	37.6	5.2	75.35	SSW OF KOTAAGUNG, INDONESIA
#-1191	5/25	1	39	17.63	-1.02	-14.42	10.0	4.6	76.70	NORTH OF ASCENSION ISLAND
#-1192	5/25	10	7	27.97	-60.09	-47.18	10.0	4.6	34.80	SCOTIA SEA
#-1193	5/25	17	49	47.73	-20.41	-178.08	531.8	4.6	86.69	ENE OF NDOI ISLAND, FIJI
#-1194	5/25	18	50	53.28	5.83	125.87	147.8	4.8	94.32	ESE OF CABURAN, PHILIPPINES
#-1195	5/25	22	36	20.81	13.49	-90.84	41.9	5.0	116.16	S OF PUERTO SAN JOSE, GUATEMALA
#-1196	5/26	0	25	38.36	-20.34	169.79	36.8	4.5	83.96	SSE OF ISANGEL, VANUATU
#-1197	5/26	4	14	1.14	-7.42	128.41	105.9	5.1	82.86	KEPULAUAN BARAT DAYA, INDONESIA
#-1198	5/26	7	10	56.05	-12.22	167.04	215.8	4.5	91.04	NNW OF SOLA, VANUATU
#-1199	5/26	9	24	58.07	-10.73	166.16	177.1	4.8	92.22	E OF LATA, SOLOMON ISLANDS
#-1200	5/26	9	46	26.47	-7.04	155.67	35.0	4.9	92.58	SSE OF PANGUNA, PAPUA NEW GUINEA
#-1201	5/26	12	23	0.16	2.58	95.91	29.1	4.7	81.17	WNW OF SINABANG, INDONESIA
#-1202	5/26	16	50	42.38	-29.74	-176.09	25.7	4.7	77.96	ESE OF RAOUL ISLAND, NEW ZEALAND
#-1203	5/27	2	35	26.35	-6.72	154.34	36.2	4.6	92.46	WSW OF PANGUNA, PAPUA NEW GUINEA
#-1204	5/27	3	34	39.03	-20.88	-70.50	36.0	4.5	77.24	SSW OF IQUIQUE, CHILE
#-1205	5/27	4	23	53.19	-15.14	66.92	10.0	5.1	56.67	MID-INDIAN RIDGE
#-1206	5/27	4	25	18.38	-15.21	67.00	10.9	5.1	56.62	MID-INDIAN RIDGE
#-1207	5/27	5	44	29.70	26.54	55.91	14.3	5.1	96.35	NW OF DIB DIBBA, OMAN
#-1208	5/27	6	56	43.68	-11.25	164.80	34.0	4.6	91.33	WSW OF LATA, SOLOMON ISLANDS
#-1209	5/27	9	4	5.42	-35.93	-73.56	10.2	5.1	64.11	NW OF TOME, CHILE
#-1210	5/27	10	59	10.96	-22.92	-13.55	10.0	5.1	55.66	SOUTHERN MID-ATLANTIC RIDGE
#-1211	5/27	11	59	14.45	-8.02	122.23	226.0	4.8	80.09	N OF NANGAHUREBUKITPERMAI, INDONESIA
#-1212	5/27	16	12	10.48	32.50	140.59	76.8	5.3	124.21	SE OF HACHIJO-JIMA, JAPAN
#-1213	5/27	21	19	1.08	-20.16	169.68	124.5	4.8	84.10	SSE OF ISANGEL, VANUATU
#-1214	5/27	22	51	54.90	-20.58	-176.09	197.7	4.8	86.91	NW OF HAVELU, TONGA
#-1215	5/28	16	40	15.07	-21.48	-179.36	621.0	4.7	85.38	SW OF NDOI ISLAND, FIJI
#-1216	5/28	18	14	4.00	-20.25	-70.69	36.2	4.6	77.89	W OF IQUIQUE, CHILE
#-1217	5/28	21	15	6.60	18.05	-68.35	90.0	5.8	113.01	SE OF BOCA DE YUMA, DOMINICAN REPUBLIC
#-1218	5/29	1	16	49.08	-0.21	125.31	46.5	5.0	88.48	SE OF MODAYAG, INDONESIA
#-1219	5/29	3	2	42.19	-56.36	158.72	10.0	4.7	47.24	S OF MACQUARIE ISLAND, AUSTRALIA
#-1220	5/29	3	45	57.33	-55.22	-29.61	35.9	4.8	32.72	NW OF VISOKOI ISLAND
#-1221	5/29	6	39	4.48	-30.22	-177.88	35.0	5.3	77.15	S OF RAOUL ISLAND, NEW ZEALAND
#-1222	5/29	7	32	22.93	-44.65	37.08	10.0	4.7	24.38	NNW OF MARION ISLAND, PRINCE EDWARD ISLANDS
#-1223	5/29	10	8	37.21	-30.15	-177.76	39.2	4.5	77.24	S OF RAOUL ISLAND, NEW ZEALAND
#-1224	5/29	13	33	40.00	-0.23	122.97	97.4	4.7	87.62	SSW OF BILUNGALA, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1225	5/29	19	27	42.26	-17.87	-178.59	587.3	4.6	89.06	SE OF LAMBASA, FIJI
#-1226	5/30	0	39	27.40	-54.13	-147.21	10.0	4.8	56.78	PACIFIC-ANTARCTIC RIDGE
#-1227	5/30	0	56	19.47	-8.31	119.49	170.6	5.2	78.84	N OF KOMODO, INDONESIA
#-1228	5/30	1	20	15.17	25.00	97.85	10.0	5.9	103.09	NNW OF PINGYUAN, CHINA
#-1229	5/30	7	16	50.95	-62.62	-160.32	10.0	4.9	47.65	PACIFIC-ANTARCTIC RIDGE
#-1230	5/30	7	52	50.45	-6.65	154.46	37.0	4.7	92.57	WSW OF PANGUNA, PAPUA NEW GUINEA
#-1231	5/30	11	33	10.07	-55.31	-128.58	11.3	5.5	55.35	PACIFIC-ANTARCTIC RIDGE
#-1232	5/30	15	26	14.18	9.39	126.47	14.5	5.7	97.85	ENE OF BURGOS, PHILIPPINES
#-1233	5/30	15	32	27.00	-21.30	-70.00	59.6	5.6	76.68	NNE OF TOCOPILLA, CHILE
#-1234	5/30	17	41	25.68	9.34	126.56	12.0	5.3	97.84	E OF CORTES, PHILIPPINES
#-1235	5/30	17	53	7.55	9.30	126.33	18.2	5.0	97.72	E OF CORTES, PHILIPPINES
#-1236	5/30	17	53	19.10	-7.29	106.01	53.7	4.9	75.09	SSW OF PANYAUNGAN TIMUR, INDONESIA
#-1237	5/30	20	10	40.72	-15.87	-172.95	27.0	5.1	92.13	E OF HIHIFO, TONGA
#-1238	5/30	20	37	55.72	9.33	126.55	10.0	5.0	97.83	E OF CORTES, PHILIPPINES
#-1239	5/30	22	6	19.41	-33.54	-72.14	19.1	4.8	65.91	W OF SAN ANTONIO, CHILE
#-1240	5/30	22	48	14.06	-30.27	-177.78	29.3	5.1	77.12	S OF RAOUL ISLAND, NEW ZEALAND
#-1241	5/31	6	16	53.74	54.97	165.65	6.0	5.4	152.53	SW OF NIKOL'SKOYE, RUSSIA
#-1242	5/31	19	54	15.70	9.31	126.48	9.3	5.4	97.78	E OF CORTES, PHILIPPINES
#-1243	6/1	3	27	33.54	-13.22	167.01	176.1	4.7	90.07	NW OF SOLA, VANUATU
#-1244	6/1	5	2	45.66	0.47	-24.98	10.0	4.8	81.41	CENTRAL MID-ATLANTIC RIDGE
#-1245	6/1	10	7	12.51	2.02	89.78	20.0	5.7	78.84	NORTH INDIAN OCEAN
#-1246	6/1	15	31	34.00	-2.46	138.92	39.3	5.0	91.23	W OF ABEPURA, INDONESIA
#-1247	6/1	19	1	52.17	3.09	125.76	123.3	5.0	91.72	NNE OF BITUNG, INDONESIA
#-1248	6/2	1	4	5.39	9.58	126.65	22.6	5.1	98.10	ESE OF GENERAL LUNA, PHILIPPINES
#-1249	6/2	6	31	38.99	-33.00	-179.04	9.5	5.4	74.22	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-1250	6/2	13	23	50.05	-16.61	-69.19	213.9	4.7	80.81	WSW OF DESAGUADERO, PERU
#-1251	6/3	1	27	18.12	-19.29	-175.67	228.5	4.9	88.26	WNW OF PANGAI, TONGA
#-1252	6/3	4	39	57.70	-54.97	-129.62	13.1	5.6	55.75	PACIFIC-ANTARCTIC RIDGE
#-1253	6/3	5	0	16.37	-23.56	-180.00	532.0	4.7	83.23	SOUTH OF THE FIJI ISLANDS
#-1254	6/3	10	19	38.70	-58.98	-25.53	35.0	4.9	28.42	E OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1255	6/3	19	53	6.72	-16.66	175.73	15.0	5.0	88.98	WNW OF LAUTOKA, FIJI
#-1256	6/3	21	34	11.92	-12.51	-76.93	36.3	5.2	87.17	W OF CHILCA, PERU
#-1257	6/4	5	2	36.05	-4.13	142.45	73.2	5.0	90.90	WNW OF AMBUNTI, PAPUA NEW GUINEA
#-1258	6/4	10	59	38.88	-8.61	109.31	35.0	4.9	74.98	SSE OF KARANGBADAR KIDUL, INDONESIA
#-1259	6/4	11	58	58.63	59.03	-136.75	12.0	5.7	169.85	WSW OF HAINES, ALASKA
#-1260	6/4	17	4	28.00	-20.65	-70.76	38.8	5.0	77.53	SW OF IQUIQUE, CHILE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1261	6/5	1	16	9.44	-3.42	153.59	346.9	5.0	95.34	ENE OF NAMATANAI, PAPUA NEW GUINEA
#-1262	6/5	5	44	28.00	61.16	-140.25	1.0	5.3	172.15	WNW OF HAINES JUNCTION, CANADA
#-1263	6/5	8	11	54.49	4.44	96.51	16.3	4.7	83.13	NE OF MEULABOH, INDONESIA
#-1264	6/5	10	52	47.89	-24.17	-66.88	178.7	4.8	72.98	W OF SAN ANTONIO DE LOS COBRES, ARGENTINA
#-1265	6/5	11	4	47.29	-55.43	-28.36	10.0	4.9	32.11	NNW OF VISOKOI ISLAND
#-1266	6/5	17	22	5.41	-29.15	-112.48	10.0	5.9	79.64	EASTER ISLAND REGION
#-1267	6/5	19	0	24.05	-44.81	35.82	10.0	4.7	24.25	NNW OF MARION ISLAND, PRINCE EDWARD ISLANDS
#-1268	6/5	20	19	29.00	-20.34	-70.22	40.5	4.9	77.65	SSW OF IQUIQUE, CHILE
#-1269	6/6	3	46	54.00	-39.46	175.26	106.0	4.9	66.82	W OF WAIOURU, NEW ZEALAND
#-1270	6/6	4	38	56.75	-61.04	-51.67	10.0	5.0	35.43	SCOTIA SEA
#-1271	6/6	4	53	45.26	-61.14	-52.22	10.0	4.8	35.52	SOUTH SHETLAND ISLANDS
#-1272	6/6	21	42	32.41	1.96	128.49	69.9	5.3	91.64	HALMAHERA, INDONESIA
#-1273	6/6	23	6	52.26	-14.86	-175.00	15.3	5.5	92.97	NW OF HIHIFO, TONGA
#-1274	6/7	4	19	35.47	14.59	54.84	10.0	4.9	84.36	NNE OF TAMRIDA, YEMEN
#-1275	6/7	4	43	32.00	67.72	-162.37	18.6	5.5	172.06	NE OF NOATAK, ALASKA
#-1276	6/8	3	7	25.60	-15.60	167.31	5.1	4.7	87.87	ESE OF LUGANVILLE, VANUATU
#-1277	6/8	6	5	6.18	-31.30	-66.41	11.4	4.9	66.19	ENE OF CHEPES, ARGENTINA
#-1278	6/8	9	2	24.52	-60.45	-27.81	46.6	4.7	28.15	SSW OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1279	6/8	11	8	46.95	-15.95	-179.69	6.1	4.8	90.70	ENE OF LAMBASA, FIJI
#-1280	6/9	2	9	23.02	-24.78	-176.29	35.0	4.9	82.77	SOUTH OF THE FIJI ISLANDS
#-1281	6/9	5	11	39.84	-11.29	165.31	10.0	4.8	91.44	SW OF LATA, SOLOMON ISLANDS
#-1282	6/9	5	55	27.13	-25.41	-174.43	10.0	4.9	82.50	SOUTH OF TONGA
#-1283	6/9	12	25	18.08	-6.41	154.98	35.0	5.2	92.97	W OF PANGUNA, PAPUA NEW GUINEA
#-1284	6/9	16	50	7.47	-29.50	-112.13	14.2	4.7	79.24	EASTER ISLAND REGION
#-1285	6/9	23	54	14.98	32.50	105.18	16.9	5.0	112.31	NNW OF DAYUANHUIZU, CHINA
#-1286	6/10	4	3	24.62	-16.58	-72.95	63.5	5.3	82.07	W OF CAMANA, PERU
#-1287	6/10	13	10	38.71	-8.00	104.87	10.0	4.7	74.03	SSW OF CICADAS, INDONESIA
#-1288	6/10	16	1	26.58	-18.67	-174.63	73.5	4.7	89.06	W OF NEIAFU, TONGA
#-1289	6/10	17	11	9.31	-16.03	-75.14	32.8	4.7	83.29	SW OF ACARI, PERU
#-1290	6/10	18	26	15.22	-6.80	154.66	16.2	5.3	92.49	WSW OF PANGUNA, PAPUA NEW GUINEA
#-1291	6/10	18	48	54.98	-6.81	154.58	8.5	5.2	92.45	WSW OF PANGUNA, PAPUA NEW GUINEA
#-1292	6/10	19	26	1.52	-1.95	128.29	37.1	5.0	87.92	SE OF LAIWUI, INDONESIA
#-1293	6/11	3	53	40.64	34.72	28.50	75.2	5.0	104.02	SE OF KARPATHOS, GREECE
#-1294	6/11	7	30	59.80	27.43	129.29	30.6	5.0	115.57	S OF NAZE, JAPAN
#-1295	6/11	10	29	42.52	3.78	127.99	35.0	4.7	93.17	N OF TOBELO, INDONESIA
#-1296	6/12	4	33	39.46	0.29	129.90	56.0	5.1	90.59	NW OF SORONG, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1297	6/12	10	59	15.24	-13.72	166.75	51.7	4.9	89.51	WNW OF SOLA, VANUATU
#-1298	6/12	12	28	53.00	-30.75	-70.56	52.6	4.8	68.03	E OF MONTE PATRIA, CHILE
#-1299	6/13	5	50	49.79	30.70	141.84	47.2	5.0	123.03	IZU ISLANDS, JAPAN REGION
#-1300	6/13	12	26	32.67	14.20	-91.17	77.8	5.0	116.94	E OF NUEVA CONCEPCION, GUATEMALA
#-1301	6/13	19	30	29.63	-46.03	-13.88	6.4	5.8	34.72	SOUTHERN MID-ATLANTIC RIDGE
#-1302	6/13	22	9	39.00	-22.55	-68.50	144.4	4.7	75.02	ESE OF CALAMA, CHILE
#-1303	6/13	22	59	42.11	-6.28	147.81	69.0	5.1	90.73	N OF FINSCHHAFEN, PAPUA NEW GUINEA
#-1304	6/14	3	58	41.65	36.45	70.72	200.0	5.6	108.04	SSW OF JARM, AFGHANISTAN
#-1305	6/14	3	59	40.54	-54.38	5.16	10.0	4.7	21.22	E OF BOUVET ISLAND, BOUVET ISLAND
#-1306	6/14	11	8	15.47	-11.14	161.47	10.0	5.0	90.47	SSW OF KIRAKIRA, SOLOMON ISLANDS
#-1307	6/14	11	10	59.85	-10.12	91.09	4.0	6.5	67.62	SOUTH INDIAN OCEAN
#-1308	6/14	14	26	7.35	-19.17	169.50	268.9	4.9	85.02	NNE OF ISANGEL, VANUATU
#-1309	6/14	17	31	41.56	39.44	140.99	92.0	5.5	130.58	WNW OF HANAMAKI, JAPAN
#-1310	6/14	20	7	56.25	-18.25	-174.68	105.2	4.7	89.47	WNW OF NEIAFU, TONGA
#-1311	6/14	22	13	31.00	-24.94	-69.40	108.0	4.7	73.07	ENE OF TALTAL, CHILE
#-1312	6/15	11	18	29.36	-6.52	155.39	35.0	4.7	92.99	SSW OF PANGUNA, PAPUA NEW GUINEA
#-1313	6/15	14	0	8.30	-6.14	130.16	169.5	4.9	84.68	NNW OF SAUMLAKI, INDONESIA
#-1314	6/15	14	16	25.87	-26.99	26.76	5.0	4.9	42.64	E OF ORKNEY, SOUTH AFRICA
#-1315	6/15	18	19	14.54	36.60	141.72	15.9	5.5	128.32	ESE OF IWAKI, JAPAN
#-1316	6/15	20	14	50.62	37.10	141.11	45.0	5.6	128.54	ENE OF IWAKI, JAPAN
#-1317	6/16	1	55	47.24	-56.86	-140.92	10.0	5.4	54.13	PACIFIC-ANTARCTIC RIDGE
#-1318	6/16	4	54	38.45	-14.74	-173.29	23.6	4.8	93.17	NNE OF HIHIFO, TONGA
#-1319	6/16	6	39	32.26	1.64	-79.26	15.0	5.7	101.33	WSW OF TUMACO, COLOMBIA
#-1320	6/16	9	17	46.00	-23.97	-69.56	90.7	4.8	74.03	ESE OF ANTOFAGASTA, CHILE
#-1321	6/16	12	1	8.00	67.70	-162.61	24.2	5.7	171.96	ENE OF NOATAK, ALASKA
#-1322	6/16	14	24	31.45	70.32	-15.35	10.0	5.4	143.98	E OF ITTOQQORTOORMIIT, GREENLAND
#-1323	6/16	17	42	22.53	33.87	139.58	130.3	5.3	125.09	NNW OF HACHIJO-JIMA, JAPAN
#-1324	6/17	14	53	50.97	-19.82	-176.32	251.4	4.7	87.61	NW OF NUKU`ALOFA, TONGA
#-1325	6/17	19	56	21.40	1.51	125.48	81.6	5.3	90.15	ENE OF BITUNG, INDONESIA
#-1326	6/18	2	47	10.15	24.24	125.21	30.0	5.2	111.20	S OF HIRARA, JAPAN
#-1327	6/18	8	51	16.89	2.47	128.57	233.6	4.8	92.15	NE OF TOBELO, INDONESIA
#-1328	6/19	0	51	17.42	-2.78	102.37	169.7	5.1	78.13	NNW OF CURUP, INDONESIA
#-1329	6/19	9	38	36.08	-19.97	-70.95	11.3	5.7	78.23	WNW OF IQUIQUE, CHILE
#-1330	6/19	10	17	55.52	-13.56	166.83	36.0	6.2	89.69	WNW OF SOLA, VANUATU
#-1331	6/19	18	29	56.92	-57.95	-25.17	35.1	4.9	29.06	NNE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1332	6/19	19	54	4.91	-19.84	-70.87	10.6	5.8	78.33	WNW OF IQUIQUE, CHILE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1333	6/19	19	59	42.87	-19.87	-70.85	20.7	5.2	78.29	WNW OF IQUIQUE, CHILE
#-1334	6/20	3	4	12.94	-45.93	-13.63	10.0	5.2	34.71	SOUTHERN MID-ATLANTIC RIDGE
#-1335	6/20	12	16	46.37	51.77	-171.25	41.9	5.4	157.65	S OF AMUKTA ISLAND, ALASKA
#-1336	6/20	15	46	45.40	-4.76	152.72	53.1	5.2	93.79	SW OF TARON, PAPUA NEW GUINEA
#-1337	6/20	19	53	31.87	-19.80	-70.92	12.8	5.6	78.38	WNW OF IQUIQUE, CHILE
#-1338	6/20	20	22	27.11	-19.81	-71.00	12.3	5.8	78.40	WNW OF IQUIQUE, CHILE
#-1339	6/21	2	47	34.56	0.93	125.44	65.1	4.7	89.59	SSE OF BITUNG, INDONESIA
#-1340	6/21	9	21	21.05	-13.70	-14.65	10.0	5.3	64.70	SOUTHERN MID-ATLANTIC RIDGE
#-1341	6/21	9	24	43.68	-5.62	152.91	40.3	4.7	93.04	S OF TARON, PAPUA NEW GUINEA
#-1342	6/21	11	8	24.43	-50.37	-6.55	10.0	5.0	28.48	SOUTHERN MID-ATLANTIC RIDGE
#-1343	6/21	12	18	57.86	-50.43	-6.15	10.0	4.9	28.28	SOUTHERN MID-ATLANTIC RIDGE
#-1344	6/21	13	24	19.24	-17.65	-175.20	248.2	5.1	89.96	NW OF NEIAFU, TONGA
#-1345	6/21	21	51	50.49	-0.10	122.94	117.0	5.4	87.74	SSW OF BILUNGALA, INDONESIA
#-1346	6/22	6	38	51.44	-7.76	108.05	72.0	5.1	75.34	WNW OF SINDANGKERTA, INDONESIA
#-1347	6/22	9	8	55.56	10.90	126.73	10.0	5.1	99.35	E OF SULANGAN, PHILIPPINES
#-1348	6/22	16	34	56.47	3.25	128.19	46.2	5.3	92.74	N OF TOBELO, INDONESIA
#-1349	6/22	18	5	51.00	-13.93	-75.98	85.0	5.0	85.53	WNW OF SUBTANJALLA, PERU
#-1350	6/23	5	33	29.92	-15.55	-173.13	10.0	5.2	92.40	ENE OF HIHIFO, TONGA
#-1351	6/23	5	51	27.76	-54.97	-130.06	10.0	4.8	55.77	PACIFIC-ANTARCTIC RIDGE
#-1352	6/23	7	36	34.21	-6.03	147.08	65.2	4.9	90.72	N OF LAE, PAPUA NEW GUINEA
#-1353	6/23	9	10	14.72	-15.91	167.72	152.7	5.0	87.68	NE OF LAKATORO, VANUATU
#-1354	6/23	9	35	48.45	-34.20	-179.17	10.0	4.7	73.03	SOUTH OF THE KERMADEC ISLANDS
#-1355	6/23	13	47	42.77	-6.45	146.25	118.0	5.4	90.04	ESE OF KAINANTU, PAPUA NEW GUINEA
#-1356	6/23	15	13	3.43	-3.10	139.26	46.8	5.1	90.75	WSW OF ABEPURA, INDONESIA
#-1357	6/23	16	8	36.85	-27.22	-176.54	65.7	4.7	80.34	NNE OF RAOUL ISLAND, NEW ZEALAND
#-1358	6/23	16	25	22.71	-5.34	153.13	35.9	4.8	93.37	S OF TARON, PAPUA NEW GUINEA
#-1359	6/23	19	19	15.94	-29.98	-177.72	20.0	6.9	77.42	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1360	6/23	20	6	20.71	-29.94	-177.61	26.6	6.7	77.48	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1361	6/23	20	11	16.60	-28.54	-177.58	24.2	4.7	78.85	NNE OF RAOUL ISLAND, NEW ZEALAND
#-1362	6/23	20	23	32.59	-30.08	-177.43	7.3	5.2	77.38	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1363	6/23	20	27	59.96	-30.00	-177.71	10.0	5.4	77.40	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1364	6/23	20	33	56.35	-30.00	-177.43	24.5	4.7	77.45	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1365	6/23	20	59	13.40	-29.99	-177.24	10.0	5.1	77.50	SE OF RAOUL ISLAND, NEW ZEALAND
#-1366	6/23	21	11	40.52	51.96	178.46	102.9	6.0	154.56	WNW OF LITTLE SITKIN ISLAND, ALASKA
#-1367	6/23	21	18	45.17	-29.89	-177.08	32.5	5.0	77.63	SE OF RAOUL ISLAND, NEW ZEALAND
#-1368	6/23	21	30	46.18	51.94	178.43	101.9	6.0	154.53	WSW OF LITTLE SITKIN ISLAND, ALASKA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1369	6/23	21	45	49.19	-30.12	-177.36	28.7	4.8	77.34	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1370	6/23	21	55	42.16	-30.14	-177.60	35.0	4.7	77.28	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1371	6/23	22	3	28.68	52.04	178.48	121.0	5.1	154.64	N OF LITTLE SITKIN ISLAND, ALASKA
#-1372	6/23	22	15	49.05	-30.15	-177.57	10.0	5.6	77.28	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1373	6/23	22	17	44.31	-29.95	-177.24	17.3	5.1	77.54	SE OF RAOUL ISLAND, NEW ZEALAND
#-1374	6/23	22	20	4.21	-29.97	-177.25	10.7	5.9	77.52	SE OF RAOUL ISLAND, NEW ZEALAND
#-1375	6/23	22	29	16.37	-29.95	-177.26	22.1	4.9	77.54	SE OF RAOUL ISLAND, NEW ZEALAND
#-1376	6/23	22	29	51.81	51.96	178.58	106.6	6.0	154.60	ENE OF LITTLE SITKIN ISLAND, ALASKA
#-1377	6/23	22	33	46.31	-30.30	-177.57	4.1	5.3	77.14	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1378	6/23	22	49	2.05	-30.04	-177.50	35.0	4.8	77.40	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1379	6/23	22	55	6.50	-30.25	-177.49	7.2	4.9	77.20	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1380	6/23	23	53	27.22	-30.07	-177.54	6.7	5.2	77.36	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1381	6/24	0	10	40.16	-30.26	-177.40	26.3	4.9	77.20	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1382	6/24	0	39	2.36	-30.00	-177.44	28.6	4.8	77.45	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1383	6/24	0	46	4.81	-30.15	-177.46	10.0	5.3	77.31	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1384	6/24	0	49	33.00	-29.90	-177.23	33.3	4.9	77.59	SE OF RAOUL ISLAND, NEW ZEALAND
#-1385	6/24	0	52	28.03	51.91	178.44	100.3	5.8	154.51	SW OF LITTLE SITKIN ISLAND, ALASKA
#-1386	6/24	2	29	11.93	-29.98	-177.46	25.8	4.8	77.47	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1387	6/24	2	47	48.16	-29.89	-177.18	6.7	5.1	77.60	SE OF RAOUL ISLAND, NEW ZEALAND
#-1388	6/24	3	15	35.49	52.20	176.70	4.0	6.3	154.17	ESE OF BULDIR ISLAND, ALASKA
#-1389	6/24	4	13	5.77	-29.86	-177.37	20.7	5.1	77.60	SE OF RAOUL ISLAND, NEW ZEALAND
#-1390	6/24	4	25	39.42	-30.18	-177.36	27.6	5.0	77.29	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1391	6/24	4	48	36.58	-30.01	-177.47	29.9	4.7	77.44	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1392	6/24	5	52	20.85	-29.91	-177.45	35.0	5.0	77.54	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1393	6/24	5	53	24.45	-30.16	-177.52	45.4	5.1	77.28	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1394	6/24	5	55	10.58	-13.92	66.22	10.0	5.1	57.74	MID-INDIAN RIDGE
#-1395	6/24	6	20	22.44	51.99	178.45	121.4	5.2	154.59	NW OF LITTLE SITKIN ISLAND, ALASKA
#-1396	6/24	6	38	50.34	-30.11	-177.44	35.0	4.7	77.35	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1397	6/24	8	5	53.90	-30.12	-177.43	20.4	5.2	77.34	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1398	6/24	8	12	31.23	52.25	176.46	11.0	5.7	154.13	ESE OF BULDIR ISLAND, ALASKA
#-1399	6/24	9	36	20.54	-30.31	-177.13	10.0	4.9	77.21	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1400	6/24	11	29	54.86	-29.89	-177.38	10.0	5.1	77.57	SE OF RAOUL ISLAND, NEW ZEALAND
#-1401	6/24	13	9	15.16	-29.90	-177.44	26.2	4.8	77.55	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1402	6/24	13	37	18.60	-30.06	-177.55	10.0	4.7	77.37	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1403	6/24	16	53	45.64	-30.08	-177.50	35.0	5.1	77.36	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1404	6/24	20	7	52.48	-30.27	-177.45	11.9	5.0	77.19	SSE OF RAOUL ISLAND, NEW ZEALAND

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1405	6/24	20	55	14.32	-30.23	-177.21	4.3	4.9	77.27	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1406	6/25	0	3	3.00	51.85	178.45	122.3	5.2	154.46	SSW OF LITTLE SITKIN ISLAND, ALASKA
#-1407	6/25	4	26	14.09	-20.53	-177.25	323.3	5.0	86.74	E OF NDOI ISLAND, FIJI
#-1408	6/25	4	35	22.83	-41.30	-89.88	10.0	4.7	63.43	SOUTHEAST OF EASTER ISLAND
#-1409	6/25	9	29	54.97	-46.98	33.53	10.0	5.0	22.20	PRINCE EDWARD ISLANDS REGION
#-1410	6/25	11	52	3.03	13.60	120.65	73.4	5.4	99.72	NNW OF WAWA, PHILIPPINES
#-1411	6/25	22	46	43.08	-30.25	-177.54	20.0	5.3	77.19	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1412	6/26	0	12	23.61	-9.64	118.15	73.1	5.1	77.12	W OF KAWANGOHARI, INDONESIA
#-1413	6/26	2	30	6.15	-30.10	-177.26	35.0	5.0	77.39	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1414	6/26	9	3	3.17	51.38	-178.39	50.9	5.0	155.11	ENE OF AMATIGNAK ISLAND, ALASKA
#-1415	6/26	11	28	21.89	0.02	123.46	141.7	5.4	88.04	SE OF BILUNGALA, INDONESIA
#-1416	6/26	19	45	7.31	-30.25	-176.92	19.3	4.9	77.31	SE OF RAOUL ISLAND, NEW ZEALAND
#-1417	6/27	18	30	4.14	-30.17	-71.28	68.8	4.8	68.79	SSE OF COQUIMBO, CHILE
#-1418	6/27	18	50	17.45	-30.00	-176.97	38.0	4.7	77.54	SE OF RAOUL ISLAND, NEW ZEALAND
#-1419	6/27	20	10	16.71	-49.00	121.59	14.7	5.0	42.70	WESTERN INDIAN-ANTARCTIC RIDGE
#-1420	6/28	0	10	48.25	-30.07	-177.22	23.4	4.8	77.42	SE OF RAOUL ISLAND, NEW ZEALAND
#-1421	6/28	3	20	53.92	-22.00	169.90	73.1	4.9	82.39	ESE OF TADINE, NEW CALEDONIA
#-1422	6/28	4	26	21.50	-30.20	-177.47	23.4	4.7	77.25	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1423	6/28	7	55	4.49	-63.67	172.65	10.0	4.7	43.36	BALLENY ISLANDS REGION
#-1424	6/29	4	59	35.39	32.58	-109.17	6.4	5.3	139.40	WNW OF LORDSBURG, NEW MEXICO
#-1425	6/29	5	56	31.72	24.39	142.63	48.0	6.2	117.54	ESE OF IWO JIMA, JAPAN
#-1426	6/29	7	19	22.01	1.41	126.28	18.8	5.0	90.34	E OF BITUNG, INDONESIA
#-1427	6/29	7	52	55.17	-55.47	-28.37	8.0	6.9	32.09	NNW OF VISOKOI ISLAND
#-1428	6/29	8	21	4.21	-55.45	-28.29	10.0	5.1	32.08	NNW OF VISOKOI ISLAND
#-1429	6/29	8	25	54.47	-55.29	-28.56	10.0	4.7	32.29	NNW OF VISOKOI ISLAND
#-1430	6/29	8	28	55.20	-55.38	-28.51	10.0	5.1	32.21	NNW OF VISOKOI ISLAND
#-1431	6/29	8	56	58.32	-55.26	-28.36	10.0	4.7	32.25	NNW OF VISOKOI ISLAND
#-1432	6/29	12	5	39.93	-55.39	-28.61	16.9	4.8	32.24	NNW OF VISOKOI ISLAND
#-1433	6/29	12	11	21.22	-55.31	-28.10	16.0	5.1	32.12	NNW OF VISOKOI ISLAND
#-1434	6/29	13	0	19.10	-55.31	-28.07	20.1	4.9	32.10	NNW OF VISOKOI ISLAND
#-1435	6/29	13	41	23.15	-55.27	-28.22	10.0	4.9	32.19	NNW OF VISOKOI ISLAND
#-1436	6/29	14	20	37.18	-55.41	-28.11	10.0	5.8	32.04	NNW OF VISOKOI ISLAND
#-1437	6/29	14	32	49.42	-55.36	-28.11	10.0	6.0	32.08	NNW OF VISOKOI ISLAND
#-1438	6/29	14	38	11.65	-55.42	-28.27	6.3	5.0	32.09	NNW OF VISOKOI ISLAND
#-1439	6/29	15	5	55.91	-55.32	-28.18	20.8	4.8	32.13	NNW OF VISOKOI ISLAND
#-1440	6/29	15	52	23.05	-14.78	-175.26	9.0	6.4	92.75	SSE OF MATA-UTU, WALLIS AND FUTUNA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1441	6/29	17	1	57.11	-54.23	-55.00	10.0	4.8	42.02	SOUTH ATLANTIC OCEAN
#-1442	6/29	17	15	9.34	-14.98	-175.51	18.0	6.7	92.51	SSE OF MATA-UTU, WALLIS AND FUTUNA
#-1443	6/29	17	33	53.95	-55.34	-28.30	10.0	5.1	32.17	NNW OF VISOKOI ISLAND
#-1444	6/29	18	24	32.38	-15.35	-175.66	10.0	5.9	92.12	WNW OF HIHIFO, TONGA
#-1445	6/29	19	21	9.75	-55.33	-28.04	10.0	4.8	32.07	NNW OF VISOKOI ISLAND
#-1446	6/29	19	44	40.99	-55.38	-28.45	10.0	4.7	32.18	NNW OF VISOKOI ISLAND
#-1447	6/29	22	40	29.77	-55.30	-28.10	10.0	4.8	32.12	NNW OF VISOKOI ISLAND
#-1448	6/29	23	1	59.66	-55.29	-27.69	10.0	4.7	31.99	N OF VISOKOI ISLAND
#-1449	6/29	23	42	2.53	-33.83	-179.33	34.3	4.8	73.36	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-1450	6/30	1	46	22.94	0.05	-17.34	10.0	5.6	78.60	NORTH OF ASCENSION ISLAND
#-1451	6/30	6	35	0.36	-23.58	-179.76	519.1	4.8	83.25	SOUTH OF THE FIJI ISLANDS
#-1452	6/30	11	36	3.95	-30.12	-177.66	13.4	5.3	77.29	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1453	6/30	12	10	49.84	-32.44	-178.29	10.0	4.8	74.91	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-1454	6/30	13	24	1.17	-32.33	-178.28	10.0	4.8	75.02	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-1455	6/30	15	44	24.96	-55.22	-28.27	10.0	5.0	32.25	NNW OF VISOKOI ISLAND
#-1456	6/30	18	17	15.26	-20.23	169.54	121.8	4.8	84.01	SSE OF ISANGEL, VANUATU
#-1457	6/30	19	55	32.39	28.34	138.84	511.0	6.2	119.80	BONIN ISLANDS, JAPAN REGION
#-1458	6/30	20	45	30.29	-29.99	-177.35	10.0	5.2	77.48	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1459	6/30	21	58	54.47	-1.89	99.25	23.5	4.9	77.97	S OF MUARA SIBERUT, INDONESIA
#-1460	6/30	23	58	6.75	-32.33	-178.27	10.0	4.8	75.02	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-1461	7/1	5	42	33.80	-56.62	-141.78	10.0	5.6	54.37	PACIFIC-ANTARCTIC RIDGE
#-1462	7/1	7	29	43.30	-55.24	-28.99	20.2	4.8	32.48	NW OF VISOKOI ISLAND
#-1463	7/1	8	9	48.84	-30.04	-177.72	33.3	4.7	77.36	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1464	7/1	9	11	23.35	13.87	119.19	34.4	5.0	99.47	W OF CABRA, PHILIPPINES
#-1465	7/1	11	59	59.76	-55.30	-27.99	10.0	4.7	32.09	NNW OF VISOKOI ISLAND
#-1466	7/1	12	39	6.02	8.70	-39.79	10.0	4.9	94.16	CENTRAL MID-ATLANTIC RIDGE
#-1467	7/1	14	22	10.04	-33.88	-72.43	18.2	5.1	65.69	WSW OF SAN ANTONIO, CHILE
#-1468	7/1	18	11	48.88	-30.25	-177.14	9.6	5.3	77.26	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1469	7/1	18	14	52.00	-30.30	-176.98	18.9	5.2	77.24	SE OF RAOUL ISLAND, NEW ZEALAND
#-1470	7/1	18	19	20.88	-30.27	-177.08	7.7	5.0	77.26	SE OF RAOUL ISLAND, NEW ZEALAND
#-1471	7/1	19	55	43.52	-30.19	-176.96	10.0	4.7	77.36	SE OF RAOUL ISLAND, NEW ZEALAND
#-1472	7/2	5	53	29.20	-62.30	155.19	10.0	6.0	41.13	BALLENY ISLANDS REGION
#-1473	7/2	7	24	28.63	0.00	124.65	71.4	5.1	88.44	SSE OF LOLAYAN, INDONESIA
#-1474	7/2	9	48	28.48	-30.08	-177.17	34.4	4.7	77.42	SE OF RAOUL ISLAND, NEW ZEALAND
#-1475	7/2	10	2	30.53	-55.36	-28.39	10.0	5.1	32.17	NNW OF VISOKOI ISLAND,
#-1476	7/2	11	55	32.59	-22.45	170.38	35.0	4.7	82.09	W OF ILE HUNTER, NEW CALEDONIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1477	7/2	17	33	48.54	-55.40	-28.01	36.3	4.7	32.01	NNW OF VISOKOI ISLAND,
#-1478	7/3	1	25	32.78	-32.30	-178.12	10.0	4.8	75.08	SE OF L'ESPERANCE ROCK, NEW ZEALAND
#-1479	7/3	2	56	38.31	55.26	166.90	7.6	5.7	153.20	E OF NIKOL'SKOYE, RUSSIA
#-1480	7/3	7	50	44.29	-18.25	-177.24	375.5	4.8	88.96	FIJI REGION
#-1481	7/3	7	59	47.45	-29.97	-176.90	19.3	4.8	77.59	SE OF RAOUL ISLAND, NEW ZEALAND
#-1482	7/3	9	35	49.03	-22.11	-179.48	601.2	5.4	84.75	SSW OF NDOI ISLAND, FIJI
#-1483	7/3	12	5	21.95	55.26	166.88	6.0	5.8	153.19	E OF NIKOL'SKOYE, RUSSIA
#-1484	7/3	13	56	43.43	-16.79	-71.20	85.0	4.7	81.30	NW OF TORATA, PERU
#-1485	7/3	15	37	39.33	-33.02	-179.30	8.6	4.8	74.16	SSW OF L'ESPERANCE ROCK, NEW ZEALAND
#-1486	7/3	18	28	52.31	-6.11	130.56	135.6	4.8	84.85	NNW OF SAUMLAKI, INDONESIA
#-1487	7/3	19	6	48.91	52.13	178.46	116.1	5.7	154.70	N OF LITTLE SITKIN ISLAND, ALASKA
#-1488	7/3	19	50	7.29	-30.46	-176.45	35.0	6.3	77.19	SE OF RAOUL ISLAND, NEW ZEALAND
#-1489	7/3	22	30	32.27	-3.99	139.29	58.0	5.1	89.93	SW OF ABEPURA, INDONESIA
#-1490	7/4	5	34	19.21	-49.12	-8.30	10.0	5.1	30.13	SOUTHERN MID-ATLANTIC RIDGE
#-1491	7/4	5	40	2.84	-3.94	138.75	53.6	4.9	89.79	SW OF ABEPURA, INDONESIA
#-1492	7/4	6	52	31.17	-55.19	-27.83	10.0	4.9	32.11	NNW OF VISOKOI ISLAND
#-1493	7/4	13	12	17.67	-7.02	155.90	38.8	5.5	92.68	WSW OF CHIROVANGA, SOLOMON ISLANDS
#-1494	7/4	15	0	27.86	-6.23	152.81	20.0	6.5	92.43	S OF TARON, PAPUA NEW GUINEA
#-1495	7/4	21	8	45.32	35.08	-34.90	10.0	5.4	117.08	AZORES ISLANDS REGION
#-1496	7/4	22	42	5.07	39.65	142.08	50.3	5.7	131.16	E OF MIYAKO, JAPAN
#-1497	7/4	22	44	37.23	-6.88	155.10	35.0	4.9	92.56	SW OF PANGUNA, PAPUA NEW GUINEA
#-1498	7/4	22	49	51.56	-7.03	155.34	35.2	4.7	92.49	SSW OF PANGUNA, PAPUA NEW GUINEA
#-1499	7/4	22	55	50.31	-58.85	-25.20	13.2	4.7	28.40	ENE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1500	7/5	1	18	8.81	-30.40	-177.94	10.0	5.0	76.96	S OF RAOUL ISLAND, NEW ZEALAND
#-1501	7/5	3	34	43.75	-5.02	153.73	35.0	4.8	93.88	SE OF TARON, PAPUA NEW GUINEA
#-1502	7/5	9	39	27.79	1.93	96.94	20.0	6.0	80.88	SE OF SINABANG, INDONESIA
#-1503	7/5	17	30	46.41	-22.54	69.27	9.0	4.9	49.94	MID-INDIAN RIDGE
#-1504	7/6	3	8	46.72	-14.54	-71.11	67.4	5.1	83.39	SE OF LAYO, PERU
#-1505	7/6	5	21	1.64	-19.00	-172.59	32.3	4.7	89.11	ESE OF NEIAFU, TONGA
#-1506	7/6	15	37	43.56	-19.92	-177.77	558.0	5.0	87.23	NE OF NDOI ISLAND, FIJI
#-1507	7/6	17	8	38.65	-10.34	-11.86	10.0	4.9	67.05	ASCENSION ISLAND REGION
#-1508	7/6	22	11	29.79	-21.14	173.95	8.0	5.8	84.22	NW OF CEVA-I-RA, FIJI
#-1509	7/6	23	16	22.81	-40.12	78.15	10.0	4.8	35.51	SSE OF AMSTERDAM ISLAND
#-1510	7/6	23	17	25.49	-40.31	78.16	10.0	4.9	35.33	S OF AMSTERDAM ISLAND
#-1511	7/7	9	15	28.43	-7.29	123.72	547.0	5.2	81.30	NE OF PALUE, INDONESIA
#-1512	7/7	9	16	53.18	-5.30	151.41	66.4	4.7	92.85	SW OF KOKOPO, PAPUA NEW GUINEA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1513	7/7	11	23	54.78	14.72	-92.46	53.0	6.9	117.82	W OF PUERTO MADERO, MEXICO
#-1514	7/7	18	4	35.62	-5.18	131.66	55.8	5.1	86.11	WNW OF TUAL, INDONESIA
#-1515	7/8	1	23	23.72	-7.03	129.93	136.3	4.9	83.77	WNW OF SAUMLAKI, INDONESIA
#-1516	7/8	2	13	7.02	-59.24	149.01	10.0	4.8	42.30	WEST OF MACQUARIE ISLAND
#-1517	7/8	9	5	22.97	42.67	141.35	10.0	5.5	133.56	N OF SHIRAOI, JAPAN
#-1518	7/8	12	56	25.92	-17.69	168.40	110.2	6.2	86.16	ENE OF PORT-VILA, VANUATU
#-1519	7/8	14	16	30.39	-31.50	-178.85	121.0	4.7	75.72	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-1520	7/8	14	31	23.54	-15.65	-174.01	10.0	4.8	92.14	NW OF HIHIFO, TONGA
#-1521	7/8	14	35	40.65	-33.10	-178.55	10.0	4.9	74.22	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-1522	7/8	16	4	20.01	-20.78	-70.57	24.9	4.9	77.35	SW OF IQUIQUE, CHILE
#-1523	7/8	20	9	59.74	-3.31	143.27	8.6	5.2	91.96	NW OF WEWAK, PAPUA NEW GUINEA
#-1524	7/8	21	52	48.07	39.35	78.14	10.0	5.0	112.16	NE OF SHACHE, CHINA
#-1525	7/9	0	1	28.36	-6.98	104.82	6.2	5.2	74.98	WSW OF PASIRNANGKA, INDONESIA
#-1526	7/9	11	14	9.87	-25.96	179.59	507.4	4.7	80.80	SOUTH OF THE FIJI ISLANDS
#-1527	7/9	13	43	3.07	-51.00	-75.75	12.3	4.7	50.86	WNW OF PUERTO NATALES, CHILE
#-1528	7/9	17	19	35.33	-16.69	-71.90	16.0	5.0	81.63	NNE OF MOLLENDO, PERU
#-1529	7/9	17	58	11.82	-62.11	164.92	10.0	5.8	43.37	BALLENY ISLANDS REGION
#-1530	7/10	6	10	5.34	-29.76	-177.09	36.0	4.8	77.75	SE OF RAOUL ISLAND, NEW ZEALAND
#-1531	7/10	7	16	17.10	-19.87	-175.71	209.2	5.2	87.68	W OF PANGAI, TONGA
#-1532	7/10	13	18	1.00	-27.98	-69.94	99.6	4.8	70.41	SSE OF COPIAPO, CHILE
#-1533	7/10	19	24	44.13	-7.37	156.19	54.0	5.1	92.44	SSW OF CHIROVANGA, SOLOMON ISLANDS
#-1534	7/11	9	24	44.69	-29.85	-177.09	8.2	4.8	77.67	SE OF RAOUL ISLAND, NEW ZEALAND
#-1535	7/11	9	30	1.91	-20.06	-174.39	10.0	4.9	87.74	S OF PANGAI, TONGA
#-1536	7/11	12	22	47.10	-29.75	-177.07	10.0	4.7	77.77	SE OF RAOUL ISLAND, NEW ZEALAND
#-1537	7/11	13	11	45.69	26.31	125.83	115.5	5.3	113.33	NNE OF HIRARA, JAPAN
#-1538	7/11	19	22	0.82	37.01	142.45	20.0	6.5	128.93	E OF IWAKI, JAPAN
#-1539	7/11	19	28	14.25	36.91	142.49	17.6	5.2	128.86	E OF IWAKI, JAPAN
#-1540	7/12	17	49	17.15	-55.42	-27.97	6.0	5.6	31.99	NNW OF VISOKOI ISLAND
#-1541	7/12	18	20	37.66	-55.34	-27.92	10.0	5.6	32.03	NNW OF VISOKOI ISLAND
#-1542	7/12	20	56	59.57	-29.30	74.78	10.0	4.7	44.73	MID-INDIAN RIDGE
#-1543	7/12	23	22	29.71	-18.60	169.36	258.4	4.9	85.53	N OF ISANGEL, VANUATU
#-1544	7/13	3	16	52.00	-32.95	-71.26	44.1	4.8	66.19	S OF QUILLOTA, CHILE
#-1545	7/13	7	18	25.00	-30.75	-70.62	83.4	5.3	68.04	ESE OF MONTE PATRIA, CHILE
#-1546	7/13	8	46	41.00	-24.07	-69.19	90.7	4.8	73.82	ESE OF ANTOFAGASTA, CHILE
#-1547	7/13	15	7	0.68	-2.17	100.04	40.9	5.0	77.96	SSW OF PAINAN, INDONESIA
#-1548	7/13	15	22	2.69	-7.49	155.33	42.0	4.7	92.05	S OF PANGUNA, PAPUA NEW GUINEA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1549	7/13	16	23	44.68	36.41	67.70	35.0	5.0	107.53	S OF KHULM, AFGHANISTAN
#-1550	7/13	20	0	36.94	-4.05	151.27	10.0	5.8	93.98	W OF RABAUL, PAPUA NEW GUINEA
#-1551	7/13	20	54	14.56	-20.26	-70.35	33.1	5.5	77.77	W OF IQUIQUE, CHILE
#-1552	7/14	5	5	3.20	-8.82	111.25	52.5	5.5	75.46	SSW OF NGULUNG WETAN, INDONESIA
#-1553	7/14	5	44	13.28	-26.77	-114.59	10.0	5.4	82.29	EASTER ISLAND REGION
#-1554	7/14	7	0	42.55	-33.34	-178.55	10.0	4.8	73.98	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-1555	7/14	7	59	57.29	5.71	126.48	20.0	6.3	94.43	SSE OF PONDAGUITAN, PHILIPPINES
#-1556	7/14	8	40	54.08	5.63	126.51	35.0	4.9	94.37	SSE OF PONDAGUITAN, PHILIPPINES
#-1557	7/14	11	24	36.29	-17.86	-73.43	10.0	5.2	81.02	SSW OF CAMANA, PERU
#-1558	7/14	14	50	59.54	-17.66	-178.43	526.6	4.7	89.30	ESE OF LAMBASA, FIJI
#-1559	7/14	18	18	56.95	-20.89	-174.22	10.0	4.8	86.97	ENE OF `OHONUA, TONGA
#-1560	7/15	2	38	0.25	-0.33	119.78	52.1	5.0	86.39	N OF PALU, INDONESIA
#-1561	7/15	9	44	58.89	-4.11	151.39	10.0	5.8	93.96	W OF RABAUL, PAPUA NEW GUINEA
#-1562	7/15	10	30	30.28	-4.20	151.38	10.0	5.7	93.88	W OF RABAUL, PAPUA NEW GUINEA
#-1563	7/15	16	39	1.55	-4.18	151.38	10.0	5.6	93.90	W OF RABAUL, PAPUA NEW GUINEA
#-1564	7/15	18	15	34.55	-44.65	-15.13	14.9	4.7	36.35	SOUTHERN MID-ATLANTIC RIDGE
#-1565	7/15	22	13	17.59	52.88	-167.60	30.0	5.1	159.68	E OF NIKOLSKI, ALASKA
#-1566	7/16	10	58	28.38	-21.93	-175.56	32.4	5.4	85.70	SSW OF VAINI, TONGA
#-1567	7/16	11	11	15.71	-4.19	151.34	10.0	4.8	93.87	W OF RABAUL, PAPUA NEW GUINEA
#-1568	7/16	18	24	20.00	-10.04	160.87	21.2	5.2	91.34	SE OF HONIARA, SOLOMON ISLANDS
#-1569	7/17	11	8	15.05	-21.64	-175.98	100.8	4.7	85.90	WSW OF VAINI, TONGA
#-1570	7/17	11	49	33.00	60.35	-140.33	10.0	6.0	171.34	NNW OF YAKUTAT, ALASKA
#-1571	7/17	13	55	53.75	-3.68	140.07	41.8	5.3	90.50	SSW OF ABEPURA, INDONESIA
#-1572	7/17	18	8	38.22	-6.15	154.35	64.4	5.1	93.00	W OF PANGUNA, PAPUA NEW GUINEA
#-1573	7/18	5	24	10.40	-20.15	-70.87	14.8	5.0	78.03	W OF IQUIQUE, CHILE
#-1574	7/18	8	58	34.98	-16.20	168.46	35.0	5.2	87.59	E OF LAKATORO, VANUATU
#-1575	7/18	17	49	25.12	-5.30	151.95	68.2	4.7	93.03	SSW OF KOKOPO, PAPUA NEW GUINEA
#-1576	7/18	18	23	5.39	-34.63	-179.58	28.0	5.4	72.53	SOUTH OF THE KERMADEC ISLANDS
#-1577	7/18	18	44	27.49	-20.48	168.76	28.4	5.1	83.56	SSW OF ISANGEL, VANUATU
#-1578	7/19	6	15	24.89	-31.78	179.47	439.7	5.1	75.12	WSW OF L'ESPERANCE ROCK, NEW ZEALAND
#-1579	7/19	9	48	0.11	-20.32	168.61	35.0	4.9	83.68	SW OF ISANGEL, VANUATU
#-1580	7/19	12	27	10.04	-15.82	-174.45	227.3	6.2	91.89	W OF HIHIFO, TONGA
#-1581	7/19	13	4	21.23	-20.58	168.69	35.0	4.7	83.45	SSW OF ISANGEL, VANUATU
#-1582	7/19	13	13	32.17	-20.66	169.12	10.0	4.8	83.48	S OF ISANGEL, VANUATU
#-1583	7/19	14	14	1.85	11.74	57.64	10.0	6.0	81.82	OWEN FRACTURE ZONE REGION
#-1584	7/20	4	18	47.91	-29.91	-177.39	10.0	5.2	77.54	SE OF RAOUL ISLAND, NEW ZEALAND

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1585	7/20	12	10	12.16	-20.51	168.87	42.6	4.8	83.56	SSW OF ISANGEL, VANUATU
#-1586	7/20	12	29	42.43	-20.49	168.79	45.1	4.8	83.56	SSW OF ISANGEL, VANUATU
#-1587	7/20	15	24	14.72	-4.80	144.92	102.1	4.9	91.13	WNW OF MADANG, PAPUA NEW GUINEA
#-1588	7/21	0	21	27.19	-20.14	-70.59	25.6	5.0	77.96	W OF IQUIQUE, CHILE
#-1589	7/21	14	54	41.00	-19.80	-178.40	615.4	6.9	87.22	NNE OF NDOI ISLAND, FIJI
#-1590	7/21	15	41	15.06	-20.66	168.98	20.1	4.7	83.45	SSW OF ISANGEL, VANUATU
#-1591	7/22	14	11	15.23	-20.33	-176.18	208.1	5.0	87.15	NW OF NUKU`ALOFA, TONGA
#-1592	7/22	15	22	39.16	27.60	57.33	10.0	5.1	97.54	NNE OF MINAB, IRAN
#-1593	7/23	0	27	0.15	-20.61	-177.61	462.9	4.9	86.59	E OF NDOI ISLAND, FIJI
#-1594	7/23	5	52	29.03	0.48	67.08	10.0	5.3	72.04	CARLSBERG RIDGE
#-1595	7/23	17	23	59.77	-6.46	152.68	27.4	4.9	92.17	S OF TARON, PAPUA NEW GUINEA
#-1596	7/23	18	27	52.30	-62.74	157.35	10.0	4.7	41.23	BALLENY ISLANDS REGION
#-1597	7/23	21	39	8.47	-20.23	-68.68	118.7	5.6	77.25	E OF IQUIQUE, CHILE
#-1598	7/24	4	49	16.52	-19.57	168.64	51.7	4.7	84.41	W OF ISANGEL, VANUATU
#-1599	7/24	8	41	7.55	-9.13	111.58	35.0	5.0	75.28	S OF NGULUNG WETAN, INDONESIA
#-1600	7/24	11	52	25.28	-55.37	-27.44	18.1	4.8	31.84	N OF VISOKOI ISLAND
#-1601	7/24	16	21	47.29	-10.15	160.65	17.0	4.7	91.17	SE OF HONIARA, SOLOMON ISLANDS
#-1602	7/24	17	10	19.94	-5.55	145.42	68.6	5.4	90.60	SW OF MADANG, PAPUA NEW GUINEA
#-1603	7/24	17	14	12.34	-4.71	152.72	58.3	4.7	93.84	SW OF TARON, PAPUA NEW GUINEA
#-1604	7/25	0	2	39.43	-21.35	-179.22	623.3	4.7	85.53	SW OF NDOI ISLAND, FIJI
#-1605	7/25	8	32	40.50	-25.41	-175.21	31.0	5.0	82.36	SOUTH OF TONGA
#-1606	7/25	10	54	49.72	58.31	-136.96	10.0	6.1	169.15	W OF GUSTAVUS, ALASKA
#-1607	7/25	11	9	2.47	-29.83	-177.33	18.6	4.8	77.63	SE OF RAOUL ISLAND, NEW ZEALAND
#-1608	7/25	19	40	32.43	-2.69	138.89	35.6	4.9	91.01	W OF ABEPURA, INDONESIA
#-1609	7/26	7	31	44.35	-30.35	-72.28	11.8	4.9	68.93	WSW OF COQUIMBO, CHILE
#-1610	7/26	10	59	29.52	-60.00	-18.56	10.0	5.1	25.23	EAST OF THE SOUTH SANDWICH ISLANDS
#-1611	7/26	11	13	48.11	-60.04	-18.67	10.0	5.8	25.24	EAST OF THE SOUTH SANDWICH ISLANDS
#-1612	7/26	11	23	14.80	-59.95	-18.71	10.0	4.8	25.32	EAST OF THE SOUTH SANDWICH ISLANDS
#-1613	7/26	15	59	51.48	-60.09	-18.76	10.0	4.9	25.24	EAST OF THE SOUTH SANDWICH ISLANDS
#-1614	7/26	17	11	16.45	-21.20	-15.17	14.5	5.1	57.79	SOUTHERN MID-ATLANTIC RIDGE
#-1615	7/26	21	8	33.72	-21.21	-179.10	601.5	4.7	85.70	SW OF NDOI ISLAND, FIJI
#-1616	7/27	4	2	12.49	-24.73	-177.43	171.3	5.1	82.60	SOUTH OF THE FIJI ISLANDS
#-1617	7/27	8	4	10.02	-63.39	-33.57	10.0	4.7	28.02	SOUTHWESTERN ATLANTIC OCEAN
#-1618	7/27	10	15	32.39	-2.91	136.48	50.6	4.7	89.95	N OF ENAROTALI, INDONESIA
#-1619	7/28	8	3	9.82	-17.32	66.78	10.0	5.4	54.51	MAURITIUS - REUNION REGION
#-1620	7/28	18	49	9.68	-20.53	-174.14	10.0	4.9	87.33	SSE OF PANGAI, TONGA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1621	7/28	23	0	48.14	-6.92	143.87	10.0	5.6	88.78	S OF IALIBU, PAPUA NEW GUINEA
#-1622	7/28	23	10	25.07	-14.37	-13.62	10.0	4.9	63.75	SOUTHERN MID-ATLANTIC RIDGE
#-1623	7/28	23	40	6.10	-23.02	169.54	10.0	4.7	81.32	E OF VAO, NEW CALEDONIA
#-1624	7/28	23	50	57.32	-6.89	143.98	10.0	4.8	88.85	S OF IALIBU, PAPUA NEW GUINEA
#-1625	7/29	7	7	7.13	14.36	93.09	12.0	5.3	91.60	N OF BAMBOO FLAT, INDIA
#-1626	7/29	7	16	40.94	-10.21	87.70	10.0	5.1	66.54	SOUTH INDIAN OCEAN
#-1627	7/29	10	46	14.70	17.68	-95.65	107.0	6.3	121.57	SE OF PLAYA VICENTE, MEXICO
#-1628	7/29	13	27	40.08	-3.42	146.77	9.8	6.0	93.06	SSW OF LORENGAU, PAPUA NEW GUINEA
#-1629	7/29	16	50	13.43	-23.56	-176.50	35.0	5.2	83.92	SSW OF VAINI, TONGA
#-1630	7/29	21	9	3.86	-56.14	-27.58	108.4	4.8	31.28	NNW OF VISOKOI ISLAND,
#-1631	7/30	1	32	10.33	26.38	53.52	12.5	5.3	95.98	WSW OF KISH, IRAN
#-1632	7/30	2	24	27.71	-19.06	-12.29	16.4	5.2	58.90	SOUTHERN MID-ATLANTIC RIDGE
#-1633	7/30	13	39	21.38	-7.13	127.63	294.7	4.7	82.85	NE OF DILI, EAST TIMOR
#-1634	7/30	16	0	58.47	-7.16	154.84	10.0	5.9	92.20	SW OF PANGUNA, PAPUA NEW GUINEA
#-1635	7/31	0	17	57.30	-23.53	-176.35	48.6	5.4	83.98	SSW OF `OHONUA, TONGA
#-1636	7/31	10	21	11.05	-25.40	-175.34	29.9	4.8	82.34	SOUTH OF TONGA
#-1637	7/31	13	41	0.83	12.43	95.20	10.0	5.8	90.37	ENE OF PORT BLAIR, INDIA
#-1638	7/31	15	56	29.51	-55.36	-27.51	12.2	5.0	31.86	N OF VISOKOI ISLAND
#-1639	7/31	17	38	45.31	-55.54	-27.67	24.5	5.4	31.79	NNW OF VISOKOI ISLAND
#-1640	7/31	18	9	17.00	-16.68	-71.43	114.0	5.0	81.48	SSE OF AREQUIPA, PERU
#-1641	8/1	3	10	7.20	4.53	96.48	34.5	4.8	83.21	NE OF MEULABOH, INDONESIA
#-1642	8/1	13	1	47.93	-17.56	-173.65	10.0	5.1	90.33	NNE OF NEIAFU, TONGA
#-1643	8/1	13	35	58.86	-17.74	-178.61	573.8	4.7	89.18	SE OF LAMBASA, FIJI
#-1644	8/2	1	12	5.23	-58.03	-25.97	119.7	4.9	29.28	NNE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1645	8/2	9	52	3.36	-5.73	153.08	10.0	4.8	92.99	S OF TARON, PAPUA NEW GUINEA
#-1646	8/2	10	33	26.44	-9.14	67.34	10.0	5.5	62.64	MID-INDIAN RIDGE
#-1647	8/2	14	2	18.76	-55.43	-28.31	7.2	5.6	32.10	NNW OF VISOKOI ISLAND
#-1648	8/2	16	18	59.53	11.87	93.64	129.4	4.7	89.38	ENE OF PORT BLAIR, INDIA
#-1649	8/3	0	22	3.68	0.83	146.17	13.0	6.9	96.85	FEDERATED STATES OF MICRONESIA REGION
#-1650	8/3	0	26	41.86	0.99	146.26	14.9	5.7	97.02	FEDERATED STATES OF MICRONESIA REGION
#-1651	8/3	0	39	15.62	0.79	146.45	12.7	4.9	96.91	FEDERATED STATES OF MICRONESIA REGION
#-1652	8/3	1	9	40.51	-7.47	155.83	10.0	4.8	92.23	SW OF CHIROVANGA, SOLOMON ISLANDS
#-1653	8/3	4	6	3.74	28.05	128.06	10.0	5.7	115.71	WSW OF NAZE, JAPAN
#-1654	8/3	4	48	49.82	-3.36	146.49	39.2	5.0	93.02	SSW OF LORENGAU, PAPUA NEW GUINEA
#-1655	8/3	5	57	30.56	29.28	85.50	10.0	5.2	103.97	ESE OF SAGA, CHINA
#-1656	8/3	7	29	59.30	-55.55	-28.35	10.0	5.0	32.01	NNW OF VISOKOI ISLAND

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1657	8/3	10	44	37.26	-10.89	161.99	10.0	5.1	90.87	S OF KIRAKIRA, SOLOMON ISLANDS
#-1658	8/3	13	43	29.15	5.51	126.69	53.9	4.8	94.31	SSE OF PONDAGUITAN, PHILIPPINES
#-1659	8/3	17	39	6.91	-30.40	-177.21	10.0	4.9	77.10	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1660	8/3	20	40	14.02	-55.32	-27.40	10.0	4.8	31.86	N OF VISOKOI ISLAND
#-1661	8/3	21	2	39.95	-3.92	-80.92	16.0	5.4	96.57	NE OF MANCORA, PERU
#-1662	8/4	2	34	9.47	-16.36	177.95	25.2	4.9	89.78	NNE OF LAUTOKA, FIJI
#-1663	8/4	3	20	9.48	-6.92	-81.61	23.3	5.3	93.94	SSW OF SECHURA, PERU
#-1664	8/4	9	40	19.83	0.82	146.24	10.0	5.2	96.86	FEDERATED STATES OF MICRONESIA REGION
#-1665	8/4	10	36	9.83	5.40	94.65	57.0	5.3	83.49	WSW OF BANDA ACEH, INDONESIA
#-1666	8/4	21	55	32.34	-50.78	-6.52	10.0	4.8	28.11	SOUTHERN MID-ATLANTIC RIDGE
#-1667	8/5	10	22	33.98	-26.99	26.70	5.0	5.4	42.64	ESE OF ORKNEY, SOUTH AFRICA
#-1668	8/5	12	11	49.44	-24.89	-175.80	10.0	4.7	82.75	SOUTH OF TONGA
#-1669	8/5	12	28	59.87	-6.70	130.26	176.0	4.7	84.19	NW OF SAUMLAKI, INDONESIA
#-1670	8/5	18	18	34.12	-8.87	160.52	65.5	5.0	92.36	WSW OF AUKI, SOLOMON ISLANDS
#-1671	8/6	4	19	0.02	-29.93	-179.22	356.1	4.9	77.18	WSW OF RAOUL ISLAND, NEW ZEALAND
#-1672	8/6	4	20	28.03	-7.55	128.25	183.1	4.7	82.68	KEPULAUAN BARAT DAYA, INDONESIA
#-1673	8/6	11	45	22.68	-7.27	128.04	10.0	6.2	82.86	KEPULAUAN BARAT DAYA, INDONESIA
#-1674	8/6	13	5	37.93	-7.23	128.11	10.0	4.8	82.93	KEPULAUAN BARAT DAYA, INDONESIA
#-1675	8/6	15	16	15.41	-7.24	128.01	10.0	4.9	82.89	KEPULAUAN BARAT DAYA, INDONESIA
#-1676	8/6	16	17	27.58	-54.30	4.82	13.9	4.8	21.40	E OF BOUVET ISLAND, BOUVET ISLAND
#-1677	8/6	20	35	33.26	-6.22	150.85	56.4	5.1	91.79	SE OF KIMBE, PAPUA NEW GUINEA
#-1678	8/7	5	24	54.52	4.55	126.51	79.8	5.1	93.35	SE OF SARANGANI, PHILIPPINES
#-1679	8/7	8	30	34.10	-14.64	168.04	10.0	4.7	88.98	SSE OF SOLA, VANUATU
#-1680	8/7	15	53	31.37	2.97	125.27	189.6	4.8	91.44	NNE OF LAIKIT, LAIKIT II (DIMEMBE), INDONESIA
#-1681	8/7	16	2	49.28	-20.28	-177.70	520.2	4.7	86.89	ENE OF NDOI ISLAND, FIJI
#-1682	8/7	18	57	0.54	-20.35	-177.91	546.6	4.7	86.78	ENE OF NDOI ISLAND, FIJI
#-1683	8/7	19	36	40.30	-17.65	-69.36	140.0	4.7	79.89	NNE OF PUTRE, CHILE
#-1684	8/8	0	6	45.63	0.84	-26.07	10.0	4.8	82.11	CENTRAL MID-ATLANTIC RIDGE
#-1685	8/8	4	10	15.00	-33.78	-72.20	16.5	5.2	65.71	WSW OF SAN ANTONIO, CHILE
#-1686	8/8	7	7	11.17	-25.43	-174.68	10.0	4.8	82.43	SOUTH OF TONGA
#-1687	8/8	10	7	5.87	-55.29	-27.97	10.0	4.7	32.09	NNW OF VISOKOI ISLAND
#-1688	8/8	16	44	39.02	-14.88	166.77	42.3	5.3	88.41	WNW OF PORT-OLRY, VANUATU
#-1689	8/9	2	28	43.81	27.78	142.88	9.7	5.0	120.74	NE OF CHICHI-SHIMA, JAPAN
#-1690	8/9	20	25	44.03	-3.07	139.63	71.2	4.7	90.91	WSW OF ABEPURA, INDONESIA
#-1691	8/10	3	43	17.24	41.16	142.13	41.0	6.1	132.51	E OF MUTSU, JAPAN
#-1692	8/10	11	40	1.89	-6.25	153.08	9.6	4.7	92.50	S OF TARON, PAPUA NEW GUINEA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1693	8/10	13	33	21.03	5.87	127.13	78.0	5.6	94.81	ESE OF PONDAGUITAN, PHILIPPINES
#-1694	8/10	18	27	38.57	51.19	-172.75	21.9	5.0	156.70	SE OF ATKA, ALASKA
#-1695	8/10	18	46	17.97	27.68	-111.63	10.0	5.5	135.25	ENE OF SANTA ROSALIA, MEXICO
#-1696	8/10	22	39	37.46	27.82	142.82	30.7	5.1	120.76	NE OF CHICHI-SHIMA, JAPAN
#-1697	8/10	22	55	20.25	-16.82	-172.02	32.5	4.7	91.35	ESE OF HIHIFO, TONGA
#-1698	8/11	4	49	7.27	-23.90	-66.74	197.1	5.0	73.18	NW OF SAN ANTONIO DE LOS COBRES, ARGENTINA
#-1699	8/11	10	7	33.34	-29.97	-176.10	10.0	5.5	77.73	ESE OF RAOUL ISLAND, NEW ZEALAND
#-1700	8/11	11	9	8.24	-17.72	-172.84	49.7	5.0	90.33	NE OF NEIAFU, TONGA
#-1701	8/11	13	32	20.24	-41.33	-84.96	10.0	5.5	62.20	WEST CHILE RISE
#-1702	8/11	14	37	14.72	-56.41	-26.92	108.8	4.7	30.84	NNE OF VISOKOI ISLAND
#-1703	8/11	18	13	59.25	-6.35	154.93	60.1	4.8	93.00	W OF PANGUNA, PAPUA NEW GUINEA
#-1704	8/11	21	0	15.77	-21.35	-179.24	609.4	4.8	85.53	SW OF NDOI ISLAND, FIJI
#-1705	8/12	1	28	31.20	-3.68	151.27	398.8	5.1	94.33	WNW OF RABAUL, PAPUA NEW GUINEA
#-1706	8/12	16	16	2.21	-16.96	-172.86	10.0	5.0	91.07	SE OF HIHIFO, TONGA
#-1707	8/12	16	17	23.26	-16.95	-173.05	51.6	5.0	91.05	SE OF HIHIFO, TONGA
#-1708	8/12	19	58	0.13	-0.02	-78.32	11.9	5.1	99.45	WSW OF CAYAMBE, ECUADOR
#-1709	8/12	20	52	6.47	9.23	93.59	105.5	4.9	86.84	NNE OF MOHEAN, INDIA
#-1710	8/13	0	30	47.21	13.91	144.98	98.0	5.6	108.67	SW OF ROTA, NORTHERN MARIANA ISLANDS
#-1711	8/13	5	54	37.82	-3.45	145.43	30.3	5.6	92.58	ENE OF ANGORAM, PAPUA NEW GUINEA
#-1712	8/13	6	19	15.64	-22.44	170.31	35.0	4.7	82.08	W OF ILE HUNTER, NEW CALEDONIA
#-1713	8/13	6	48	11.36	16.36	-98.16	7.0	5.4	121.01	WNW OF SANTIAGO PINOTEPA NACIONAL, MEXICO
#-1714	8/13	7	22	7.04	-3.43	145.46	27.4	4.8	92.60	ENE OF ANGORAM, PAPUA NEW GUINEA
#-1715	8/13	8	49	48.26	0.97	146.20	16.1	5.2	96.98	FEDERATED STATES OF MICRONESIA REGION
#-1716	8/13	10	7	28.18	0.84	-26.69	10.0	5.4	82.31	CENTRAL MID-ATLANTIC RIDGE
#-1717	8/13	10	21	7.84	-3.45	145.67	36.9	4.8	92.66	ENE OF ANGORAM, PAPUA NEW GUINEA
#-1718	8/13	13	11	37.49	-22.28	170.37	35.0	5.0	82.25	W OF ILE HUNTER, NEW CALEDONIA
#-1719	8/14	0	2	55.00	-20.16	-70.02	50.9	5.3	77.75	ENE OF IQUIQUE, CHILE
#-1720	8/14	18	38	38.75	-34.88	179.02	198.8	4.7	72.02	SOUTH OF THE KERMADEC ISLANDS
#-1721	8/16	11	57	36.29	-2.82	136.32	39.4	4.8	89.97	ENE OF NABIRE, INDONESIA
#-1722	8/16	13	43	39.28	6.81	126.78	92.3	5.0	95.56	SE OF TARRAGONA, PHILIPPINES
#-1723	8/16	18	23	43.82	-14.90	167.32	131.1	5.1	88.54	ENE OF PORT-OLRY, VANUATU
#-1724	8/16	22	7	59.64	28.13	103.55	10.0	5.0	107.72	SSW OF XILUODU, CHINA
#-1725	8/17	2	38	26.64	-7.07	125.46	490.4	5.3	82.13	N OF DILI, EAST TIMOR
#-1726	8/17	6	2	29.07	-6.43	155.15	97.1	4.7	93.00	WSW OF PANGUNA, PAPUA NEW GUINEA
#-1727	8/17	7	56	34.29	-7.44	146.25	42.9	4.7	89.11	WSW OF BULOLO, PAPUA NEW GUINEA
#-1728	8/17	16	4	48.69	-20.78	68.43	10.0	5.2	51.47	MID-INDIAN RIDGE

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1729	8/17	20	36	4.15	-42.21	88.28	10.0	4.8	36.84	SOUTHEAST INDIAN RIDGE
#-1730	8/18	2	32	5.35	32.70	47.70	10.2	6.2	101.91	E OF DEHLORAN, IRAN
#-1731	8/18	5	25	51.00	32.72	47.69	12.0	5.6	101.93	E OF DEHLORAN, IRAN
#-1732	8/18	11	51	35.00	32.78	47.68	10.0	5.4	101.99	SE OF ABDANAN, IRAN
#-1733	8/18	15	40	47.18	-55.38	-28.03	35.3	5.1	32.04	NNW OF VISOKOI ISLAN
#-1734	8/18	18	8	22.75	32.58	47.70	5.0	6.0	101.79	ESE OF DEHLORAN, IRAN
#-1735	8/18	18	9	5.55	32.54	47.77	10.0	5.1	101.75	ESE OF DEHLORAN, IRAN
#-1736	8/19	8	25	55.14	-5.47	150.86	35.0	4.8	92.50	E OF KIMBE, PAPUA NEW GUINEA
#-1737	8/19	13	26	23.41	42.97	145.64	42.9	5.1	135.35	S OF NEMURO, JAPAN
#-1738	8/19	15	38	17.47	-22.07	-179.47	601.8	5.2	84.78	SSW OF NDOI ISLAND, FIJI
#-1739	8/19	17	12	20.68	5.53	126.40	61.2	5.0	94.23	ESE OF CABURAN, PHILIPPINES
#-1740	8/19	18	19	57.88	-52.91	9.81	13.5	5.1	21.04	SOUTHWEST OF AFRICA
#-1741	8/19	21	32	16.40	32.74	47.53	7.8	5.4	101.94	ENE OF DEHLORAN, IRAN
#-1742	8/20	1	11	40.82	-3.80	137.62	61.5	4.8	89.52	E OF ENAROTALI, INDONESIA
#-1743	8/20	19	38	25.26	33.20	138.11	307.9	5.2	123.96	S OF OYAMA, JAPAN
#-1744	8/20	20	12	38.16	52.51	175.38	5.2	5.5	153.97	WNW OF BULDIR ISLAND, ALASKA
#-1745	8/20	20	21	49.59	52.47	175.36	10.0	5.0	153.93	WNW OF BULDIR ISLAND, ALASKA
#-1746	8/20	23	18	20.32	-59.11	-17.12	10.0	5.5	25.35	EAST OF THE SOUTH SANDWICH ISLANDS
#-1747	8/21	2	11	31.04	-5.29	150.69	8.0	5.9	92.62	ENE OF KIMBE, PAPUA NEW GUINEA
#-1748	8/21	9	1	0.34	-17.56	-172.88	10.0	5.1	90.48	NE OF NEIAFU, TONGA
#-1749	8/22	14	29	50.27	-6.59	146.82	10.0	5.5	90.10	NW OF LAE, PAPUA NEW GUINEA
#-1750	8/22	17	39	25.77	-7.39	154.46	47.1	5.1	91.87	SW OF PANGUNA, PAPUA NEW GUINEA
#-1751	8/22	18	25	28.99	-16.94	-175.08	10.0	4.7	90.68	SW OF HIHIFO, TONGA
#-1752	8/23	4	45	32.67	-20.17	-69.04	100.0	5.6	77.42	E OF IQUIQUE, CHILE
#-1753	8/23	14	57	14.01	-18.51	168.65	49.5	4.7	85.42	SSE OF PORT-VILA, VANUATU
#-1754	8/23	22	32	23.32	-32.70	-71.44	32.0	6.4	66.48	WNW OF HACIENDA LA CALERA, CHILE
#-1755	8/24	10	20	44.07	38.22	-122.31	11.1	6.0	147.58	NW OF AMERICAN CANYON, CALIFORNIA
#-1756	8/24	20	21	23.55	-55.32	-28.52	10.5	5.5	32.25	NNW OF VISOKOI ISLAND
#-1757	8/24	23	21	45.52	-14.60	-73.57	101.0	6.8	84.13	ENE OF TAMBO, PERU
#-1758	8/25	1	42	45.34	-55.95	-28.05	135.3	4.8	31.60	NNW OF VISOKOI ISLAND
#-1759	8/25	3	27	23.81	-21.62	-174.42	10.0	4.8	86.21	ESE OF `OHONUA, TONGA
#-1760	8/25	11	56	43.01	-15.24	-173.63	10.0	4.7	92.62	N OF HIHIFO, TONGA
#-1761	8/25	14	31	37.28	-16.13	-73.11	62.0	5.5	82.55	NW OF CAMANA, PERU
#-1762	8/26	9	30	12.61	-15.26	-172.97	10.8	5.3	92.72	NE OF HIHIFO, TONGA
#-1763	8/26	12	11	35.75	-24.52	-179.73	497.8	4.7	82.35	SOUTH OF THE FIJI ISLANDS
#-1764	8/26	12	14	56.59	-8.69	124.26	86.3	4.8	80.19	WNW OF ATAMBUA, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1765	8/27	4	48	58.37	41.07	143.17	26.0	5.4	132.80	ENE OF HACHINOHE, JAPAN
#-1766	8/27	16	31	13.62	-15.57	-177.83	10.0	5.6	91.47	SSE OF SIGAVE, WALLIS AND FUTUNA
#-1767	8/27	18	24	50.43	-55.56	-29.23	17.3	4.7	32.32	NW OF VISOKOI ISLAND
#-1768	8/27	23	11	34.20	-15.05	167.39	115.3	5.9	88.42	E OF PORT-OLRY, VANUATU
#-1769	8/28	6	23	11.74	-7.45	128.45	147.2	5.2	82.85	KEPULAUAN BARAT DAYA, INDONESIA
#-1770	8/28	19	14	35.55	32.09	132.07	20.0	5.8	120.81	E OF TAKANABE, JAPAN
#-1771	8/29	3	45	7.50	36.69	23.71	80.0	5.8	106.30	E OF GEFYRA, GREECE
#-1772	8/29	12	21	49.33	64.72	-17.34	10.0	5.4	139.42	SSE OF AKUREYRI, ICELAND
#-1773	8/29	13	14	9.20	-5.67	153.99	65.7	5.2	93.35	SE OF TARON, PAPUA NEW GUINEA
#-1774	8/29	21	16	44.58	-41.83	84.87	10.0	5.5	36.04	SOUTHEAST INDIAN RIDGE
#-1775	8/30	7	3	4.14	64.59	-17.49	6.0	5.4	139.33	WNW OF HOFN, ICELAND
#-1776	8/30	15	29	50.22	43.73	-28.54	10.0	5.4	123.13	NORTHERN MID-ATLANTIC RIDGE
#-1777	8/31	3	6	57.00	65.15	-149.04	16.5	5.1	175.04	NW OF ESTER, ALASKA
#-1778	8/31	3	18	4.55	-15.25	167.43	121.5	4.9	88.23	NE OF LUGANVILLE, VANUATU
#-1779	8/31	4	14	5.09	-53.23	-32.24	10.0	5.1	35.24	SOUTH GEORGIA ISLAND REGION
#-1780	8/31	10	1	41.15	9.14	-83.97	55.4	5.1	109.93	SE OF QUEPOS, COSTA RICA
#-1781	8/31	16	15	49.59	-62.69	165.44	10.0	4.9	42.95	BALLENY ISLANDS REGION
#-1782	8/31	17	54	38.51	-11.85	166.64	122.9	5.0	91.28	SE OF LATA, SOLOMON ISLANDS
#-1783	8/31	18	7	41.59	-57.77	-8.77	10.0	4.7	23.34	EAST OF THE SOUTH SANDWICH ISLANDS
#-1784	8/31	18	51	43.26	-19.26	-173.55	35.0	4.9	88.68	SSE OF NEIAFU, TONGA
#-1785	9/1	4	24	15.66	-24.90	-175.81	10.0	5.3	82.74	SOUTH OF TONGA
#-1786	9/1	11	41	9.54	64.68	-17.50	0.0	5.5	139.41	SSE OF AKUREYRI, ICELAND
#-1787	9/1	12	11	28.44	-12.20	167.12	255.8	4.7	91.08	NNW OF SOLA, VANUATU
#-1788	9/1	18	54	57.90	-3.99	103.25	36.7	4.7	77.28	NNW OF PAGARALAM, INDONESIA
#-1789	9/1	18	58	33.91	-9.39	106.98	24.1	5.1	73.44	NE OF FLYING FISH COVE, CHRISTMAS ISLAND
#-1790	9/1	22	12	0.58	-48.82	106.57	10.0	4.7	37.56	SOUTHEAST INDIAN RIDGE
#-1791	9/1	22	55	21.81	-15.01	-74.90	59.7	5.2	84.17	SSE OF NAZCA, PERU
#-1792	9/2	14	23	46.41	-14.89	66.21	18.3	4.7	56.78	MID-INDIAN RIDGE
#-1793	9/3	7	23	23.83	-15.09	-173.49	10.0	4.7	92.79	NNE OF HIHIFO, TONGA
#-1794	9/3	7	43	30.80	-15.06	-173.38	6.0	5.8	92.84	NNE OF HIHIFO, TONGA
#-1795	9/3	8	13	27.66	-15.02	-173.52	10.0	5.5	92.85	NNE OF HIHIFO, TONGA
#-1796	9/3	11	34	40.55	-14.89	-173.03	10.0	5.7	93.07	NNE OF HIHIFO, TONGA
#-1797	9/3	13	3	22.44	-60.21	-27.52	31.4	4.8	28.22	SSW OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1798	9/3	13	43	58.31	15.17	122.43	10.0	5.2	101.81	ENE OF CARLAGAN, PHILIPPINES
#-1799	9/3	15	14	52.67	-10.91	162.11	37.0	5.1	90.89	SSE OF KIRAKIRA, SOLOMON ISLANDS
#-1800	9/3	20	28	22.41	-26.63	-114.81	10.0	5.2	82.47	EASTER ISLAND REGION

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1801	9/3	20	33	59.31	-26.64	-114.74	10.0	5.9	82.44	EASTER ISLAND REGION
#-1802	9/3	23	34	14.06	18.87	-81.34	10.0	5.2	118.24	S OF GEORGE TOWN, CAYMAN ISLANDS
#-1803	9/4	4	5	38.58	-24.01	-115.55	10.0	4.9	85.16	SOUTHERN EAST PACIFIC RISE
#-1804	9/4	5	33	50.35	-21.39	-173.32	35.0	6.0	86.64	E OF `OHONUA, TONGA
#-1805	9/4	9	26	53.41	-20.69	-70.30	35.0	4.9	77.35	SSW OF IQUIQUE, CHILE
#-1806	9/4	15	40	16.14	-11.53	161.84	20.0	4.9	90.21	S OF KIRAKIRA, SOLOMON ISLANDS
#-1807	9/4	17	23	15.38	-26.63	-114.49	10.0	5.4	82.42	EASTER ISLAND REGION
#-1808	9/4	21	0	4.30	36.21	30.82	46.0	5.3	105.39	SE OF TEKIROVA, TURKEY
#-1809	9/5	1	19	38.76	64.68	-17.24	10.0	5.3	139.36	WNW OF HOFN, ICELAND
#-1810	9/5	6	30	56.71	-17.66	-178.47	572.1	4.8	89.29	ESE OF LAMBASA, FIJI
#-1811	9/5	9	1	20.74	-26.72	-114.42	10.0	4.8	82.32	EASTER ISLAND REGION
#-1812	9/5	9	19	24.31	-26.70	-114.38	10.0	5.1	82.34	EASTER ISLAND REGION
#-1813	9/5	10	51	27.83	-10.46	66.28	10.0	4.9	61.14	MID-INDIAN RIDGE
#-1814	9/5	18	47	11.12	-56.08	-27.83	114.7	4.8	31.42	NNW OF VISOKOI ISLAND
#-1815	9/5	19	36	31.03	-26.71	-114.25	14.0	5.8	82.31	EASTER ISLAND REGION
#-1816	9/5	20	35	32.54	-62.69	-59.66	15.5	4.8	36.41	SOUTH SHETLAND ISLANDS
#-1817	9/5	20	47	43.79	-26.83	-114.01	10.0	4.8	82.15	EASTER ISLAND REGION
#-1818	9/5	21	24	38.92	-26.66	-114.36	10.0	5.3	82.37	EASTER ISLAND REGION
#-1819	9/6	0	37	0.91	-6.27	105.35	9.1	5.0	75.82	NW OF CITEUREUP, INDONESIA
#-1820	9/6	6	3	52.89	-55.27	-28.17	10.0	5.1	32.17	NNW OF VISOKOI ISLAND
#-1821	9/6	6	53	11.76	-26.65	-114.50	7.0	6.1	82.40	EASTER ISLAND REGION
#-1822	9/6	7	4	8.07	-26.78	-114.59	10.0	5.1	82.29	EASTER ISLAND REGION
#-1823	9/6	7	48	33.65	-26.77	-114.47	10.0	5.9	82.28	EASTER ISLAND REGION
#-1824	9/6	8	30	51.58	-10.26	66.42	10.0	4.8	61.36	MID-INDIAN RIDGE
#-1825	9/6	8	37	46.04	-26.75	-114.50	10.0	5.1	82.30	EASTER ISLAND REGION
#-1826	9/6	12	51	10.52	-26.62	-114.21	10.0	4.9	82.39	EASTER ISLAND REGION
#-1827	9/7	5	23	48.56	-3.73	151.41	10.0	4.9	94.33	WNW OF RABAUL, PAPUA NEW GUINEA
#-1828	9/7	5	37	42.03	2.65	128.32	42.7	4.8	92.22	NNE OF TOBELO, INDONESIA
#-1829	9/7	6	14	51.67	-22.98	169.56	10.0	4.7	81.37	E OF VAO, NEW CALEDONIA
#-1830	9/7	7	7	59.75	64.54	-17.40	5.0	5.5	139.27	WNW OF HOFN, ICELAND
#-1831	9/7	11	46	21.56	0.82	146.16	16.0	5.1	96.83	FEDERATED STATES OF MICRONESIA REGION
#-1832	9/7	15	55	49.65	4.46	127.89	58.4	5.2	93.76	SE OF PONDAGUITAN, PHILIPPINES
#-1833	9/8	17	53	17.56	-5.40	146.76	230.2	5.3	91.20	E OF MADANG, PAPUA NEW GUINEA
#-1834	9/8	18	18	7.94	-55.27	-28.02	10.0	4.7	32.12	NNW OF VISOKOI ISLAND
#-1835	9/8	21	36	56.22	-20.24	-177.58	489.5	4.7	86.96	ENE OF NDOI ISLAND, FIJI
#-1836	9/9	9	28	22.19	22.20	93.24	10.0	5.4	99.14	SE OF SAIHA, INDIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1837	9/9	18	15	0.01	-51.39	138.93	14.7	5.0	46.28	WESTERN INDIAN-ANTARCTIC RIDGE
#-1838	9/10	2	46	6.43	-0.24	125.10	35.0	6.2	88.37	SE OF MODAYAG, INDONESIA
#-1839	9/10	4	29	3.93	-41.20	85.49	10.0	5.0	36.81	SOUTHEAST INDIAN RIDGE
#-1840	9/10	5	16	53.21	-0.18	125.13	30.0	5.9	88.44	SE OF MODAYAG, INDONESIA
#-1841	9/10	5	19	24.06	-0.20	125.09	40.8	5.6	88.41	SE OF MODAYAG, INDONESIA
#-1842	9/10	5	59	48.01	-0.21	125.26	30.0	4.9	88.46	SE OF MODAYAG, INDONESIA
#-1843	9/10	7	30	50.12	-0.23	125.18	35.0	4.9	88.42	SE OF LOLAYAN, INDONESIA
#-1844	9/10	9	6	30.00	-37.85	-75.15	15.6	4.7	62.80	WSW OF LEBU, CHILE
#-1845	9/10	9	32	57.88	-0.30	125.13	14.7	5.3	88.33	SE OF MODAYAG, INDONESIA
#-1846	9/10	11	54	6.54	-9.80	118.09	60.5	4.7	76.96	WSW OF KAWANGOHARI, INDONESIA
#-1847	9/10	14	1	1.35	-21.49	169.15	24.7	5.0	82.70	E OF TADINE, NEW CALEDONIA
#-1848	9/10	16	31	59.98	-24.62	179.15	529.8	5.2	82.01	SOUTH OF THE FIJI ISLANDS
#-1849	9/10	17	46	19.21	-0.67	100.53	31.4	4.8	79.53	WNW OF SINGKARAK, INDONESIA
#-1850	9/10	18	28	0.18	52.10	178.30	125.0	5.3	154.63	NW OF LITTLE SITKIN ISLAND, ALASKA
#-1851	9/11	0	30	12.25	2.76	128.57	233.4	4.7	92.42	NNE OF TOBELO, INDONESIA
#-1852	9/11	4	32	43.00	2.61	90.38	15.4	4.9	79.58	OFF THE WEST COAST OF NORTHERN SUMATRA
#-1853	9/11	7	2	38.09	1.96	-30.64	10.0	4.8	84.69	CENTRAL MID-ATLANTIC RIDGE
#-1854	9/11	7	30	26.65	27.29	140.28	422.7	4.9	119.36	W OF CHICHI-SHIMA, JAPAN
#-1855	9/12	0	13	49.52	-10.86	165.67	42.1	4.8	91.96	SW OF LATA, SOLOMON ISLANDS
#-1856	9/12	2	22	57.41	-7.00	155.82	35.0	4.9	92.67	SSE OF PANGUNA, PAPUA NEW GUINEA
#-1857	9/12	3	19	30.52	-62.70	-59.85	10.0	4.9	36.45	SOUTH SHETLAND ISLANDS
#-1858	9/12	4	4	8.18	-14.37	167.35	191.1	5.0	89.05	SSW OF SOLA, VANUATU
#-1859	9/12	7	33	53.27	-0.04	123.76	112.8	4.7	88.08	SSW OF MOLIBAGU, INDONESIA
#-1860	9/12	7	47	25.49	22.15	143.77	117.2	5.2	115.88	NNW OF FARALLON DE PAJAROS, NORTHERN MARIANA ISL.
#-1861	9/12	7	56	53.01	-2.21	139.05	49.1	5.0	91.51	WNW OF ABEPURA, INDONESIA
#-1862	9/12	9	25	57.44	6.04	94.45	69.2	5.3	84.04	W OF SABANG, INDONESIA
#-1863	9/12	13	6	33.63	8.57	92.56	39.1	5.0	85.91	NW OF MOHEAN, INDIA
#-1864	9/12	15	41	48.21	-2.94	129.49	35.0	5.1	87.43	NE OF AMAHAI, INDONESIA
#-1865	9/12	19	55	58.90	-22.18	-179.52	581.7	4.8	84.67	SSW OF NDOI ISLAND, FIJI
#-1866	9/12	23	38	52.10	-5.66	147.52	161.3	4.7	91.21	NNW OF FINSCHHAFEN, PAPUA NEW GUINEA
#-1867	9/13	7	46	3.45	-56.02	-26.67	35.0	4.7	31.05	NNE OF VISOKOI ISLAND
#-1868	9/13	15	50	15.60	-8.76	126.91	10.0	4.9	81.08	E OF AILEU, EAST TIMOR
#-1869	9/13	17	36	3.61	-62.74	-59.81	14.7	4.8	36.41	SOUTH SHETLAND ISLANDS
#-1870	9/13	18	22	14.02	-17.71	-173.13	11.0	5.4	90.28	NE OF NEIAFU, TONGA
#-1871	9/13	19	38	38.49	-55.24	-1.65	10.0	4.7	22.78	BOUVET ISLAND REGION
#-1872	9/14	4	52	26.94	1.15	97.26	36.6	5.3	80.22	SSE OF SINABANG, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1873	9/14	16	34	22.65	1.13	97.24	38.6	5.1	80.20	SSE OF SINABANG, INDONESIA
#-1874	9/14	16	47	21.06	-56.24	-27.31	131.7	4.7	31.12	N OF VISOKOI ISLAND
#-1875	9/14	18	17	35.37	-21.11	-173.92	10.0	5.4	86.80	ENE OF `OHONUA, TONGA
#-1876	9/14	23	56	49.39	-0.48	-19.04	10.0	4.8	78.61	CENTRAL MID-ATLANTIC RIDGE
#-1877	9/15	9	43	23.11	4.22	125.55	47.9	5.0	92.70	S OF SARANGANI, PHILIPPINES
#-1878	9/15	10	52	57.82	-4.72	153.37	68.0	4.8	94.04	SE OF TARON, PAPUA NEW GUINEA
#-1879	9/15	12	13	44.91	-60.18	-18.75	21.5	4.9	25.17	EAST OF THE SOUTH SANDWICH ISLANDS
#-1880	9/15	18	27	20.61	30.42	-114.27	10.0	5.4	138.47	SE OF SAN FELIPE, MEXICO
#-1881	9/16	1	8	18.24	-20.93	-178.90	620.4	5.2	86.01	SW OF NDOI ISLAND, FIJI
#-1882	9/16	2	35	18.46	-6.31	151.72	28.1	5.5	92.00	ESE OF KIMBE, PAPUA NEW GUINEA
#-1883	9/16	3	28	30.31	36.09	139.85	49.9	5.5	127.18	ESE OF SAKAI, JAPAN
#-1884	9/16	13	0	20.76	-22.17	-179.56	587.4	5.3	84.66	SSW OF NDOI ISLAND, FIJI
#-1885	9/16	18	39	45.94	45.10	147.02	39.2	5.2	137.69	WSW OF KURIL'SK, RUSSIA
#-1886	9/16	21	34	14.48	64.65	-17.49	5.0	5.1	139.38	SSE OF AKUREYRI, ICELAND
#-1887	9/16	22	56	45.64	-30.00	-178.87	213.0	4.7	77.17	SW OF RAOUL ISLAND, NEW ZEALAND
#-1888	9/17	6	11	48.53	-15.97	167.99	179.9	5.4	87.69	ENE OF LAKATORO, VANUATU
#-1889	9/17	6	14	45.41	13.76	144.43	130.0	6.7	108.34	NW OF PITI VILLAGE, GUAM
#-1890	9/17	10	36	47.94	6.59	126.88	66.9	5.0	95.39	ESE OF BOBON, PHILIPPINES
#-1891	9/17	23	18	55.45	24.84	125.35	42.8	5.4	111.81	ENE OF HIRARA, JAPAN
#-1892	9/18	4	17	53.24	50.54	150.13	500.0	5.5	143.41	NNE OF VOSTOK, RUSSIA
#-1893	9/18	15	6	9.87	-52.78	19.56	15.1	4.8	18.59	SOUTHWEST OF AFRICA
#-1894	9/18	19	48	17.11	-20.63	-174.06	10.0	4.7	87.25	SSE OF PANGAI, TONGA
#-1895	9/18	23	50	19.98	-7.07	155.29	50.2	4.8	92.43	SSW OF PANGUNA, PAPUA NEW GUINEA
#-1896	9/19	2	57	35.44	4.71	126.61	78.3	5.2	93.54	ESE OF SARANGANI, PHILIPPINES
#-1897	9/19	6	32	32.67	-20.65	-173.85	10.0	4.8	87.26	SSE OF PANGAI, TONGA
#-1898	9/19	8	48	50.19	-20.55	-173.87	10.0	4.8	87.36	SSE OF PANGAI, TONGA
#-1899	9/20	1	10	14.34	64.69	-17.23	7.6	5.0	139.37	WNW OF HOFN, ICELAND
#-1900	9/20	3	3	50.00	14.64	-93.82	16.0	5.2	118.14	SW OF MAPASTEPEC, MEXICO
#-1901	9/20	4	26	11.52	6.86	125.23	25.7	5.2	95.06	NE OF DOLO, PHILIPPINES
#-1902	9/20	5	12	16.61	13.97	-92.42	48.8	5.0	117.09	SSW OF OCOS, GUATEMALA
#-1903	9/20	7	15	46.07	-17.62	-178.78	540.6	4.9	89.27	SE OF LAMBASA, FIJI
#-1904	9/20	18	27	13.71	-0.77	134.30	11.8	5.5	91.18	ENE OF MANOKWARI, INDONESIA
#-1905	9/21	15	2	30.21	-36.08	178.06	10.0	5.3	70.66	ENE OF TAIRUA, NEW ZEALAND
#-1906	9/21	15	5	27.52	-35.95	178.37	10.0	5.1	70.85	NNE OF WHAKATANE, NEW ZEALAND
#-1907	9/21	15	45	20.63	-26.89	-114.08	10.0	5.2	82.10	EASTER ISLAND REGION
#-1908	9/21	17	32	5.01	27.94	139.60	491.2	5.5	119.71	WNW OF CHICHI-SHIMA, JAPAN

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1909	9/22	14	41	22.05	-40.51	175.94	29.8	5.2	65.95	ESE OF PALMERSTON NORTH, NEW ZEALAND
#-1910	9/22	16	1	42.23	-56.02	-27.78	109.3	5.7	31.45	NNW OF VISOKOI ISLAND
#-1911	9/22	16	15	54.30	-20.41	-174.15	10.0	4.8	87.45	SSE OF PANGAI, TONGA
#-1912	9/22	18	35	46.67	-44.47	-81.86	10.0	5.1	58.47	WEST CHILE RISE
#-1913	9/22	21	5	1.09	-8.34	115.72	185.5	4.7	77.47	E OF BIASLANTANG KALER, INDONESIA
#-1914	9/22	21	22	13.67	-55.40	-27.88	29.8	4.7	31.97	NNW OF VISOKOI ISLAND
#-1915	9/23	4	33	59.30	64.88	-17.50	8.9	5.1	139.59	SSE OF AKUREYRI, ICELAND
#-1916	9/23	10	22	20.14	0.11	119.98	69.2	5.3	86.88	SW OF TINABOGAN, INDONESIA
#-1917	9/23	13	59	18.86	-59.66	-26.24	106.2	4.8	28.18	SSE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1918	9/23	15	24	0.53	-5.40	151.74	57.2	5.5	92.87	SSW OF KOKOPO, PAPUA NEW GUINEA
#-1919	9/23	19	18	25.84	53.15	-35.10	10.0	5.4	133.50	REYKJANES RIDGE
#-1920	9/24	6	34	36.48	-34.40	-73.51	10.0	5.0	65.53	NW OF CONSTITUCION, CHILE
#-1921	9/24	7	18	4.04	-59.68	-26.18	35.0	5.0	28.14	SSE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1922	9/24	11	16	15.01	-23.80	-66.63	224.0	6.2	73.24	NW OF SAN ANTONIO DE LOS COBRES, ARGENTINA
#-1923	9/24	13	30	57.02	37.55	141.37	53.1	5.1	129.03	ENE OF NAMIE, JAPAN
#-1924	9/24	22	54	43.42	-6.77	129.96	92.5	4.8	84.02	NW OF SAUMLAKI, INDONESIA
#-1925	9/25	2	31	57.68	27.30	65.75	52.0	5.4	98.28	WSW OF KHUZDAR, PAKISTAN
#-1926	9/25	5	0	6.78	64.51	-17.51	8.9	5.2	139.26	WNW OF HOFN, ICELAND
#-1927	9/25	6	16	12.46	27.28	65.73	30.9	5.1	98.26	NNE OF AWARAN, PAKISTAN
#-1928	9/25	8	29	58.39	6.00	95.56	194.7	5.0	84.33	ENE OF SABANG, INDONESIA
#-1929	9/25	9	6	9.53	-8.79	111.15	90.9	4.9	75.45	SSW OF SUKOREJO, INDONESIA
#-1930	9/25	9	13	50.00	-9.46	156.41	4.0	6.1	90.52	SSW OF GIZO, SOLOMON ISLANDS
#-1931	9/25	10	35	2.52	22.77	121.37	15.4	5.0	108.50	E OF TAITUNG CITY, TAIWAN
#-1932	9/25	17	51	17.00	61.94	-151.82	108.9	6.2	171.65	WNW OF WILLOW, ALASKA
#-1933	9/25	19	0	0.30	-56.02	-27.60	119.6	5.1	31.38	NNW OF VISOKOI ISLAND
#-1934	9/26	3	55	34.14	-6.46	146.78	10.0	5.3	90.21	NW OF LAE, PAPUA NEW GUINEA
#-1935	9/26	4	21	24.08	12.52	95.23	20.2	5.5	90.46	ENE OF PORT BLAIR, INDIA
#-1936	9/26	5	4	43.88	-15.44	-173.74	35.9	4.7	92.40	N OF HIHIFO, TONGA
#-1937	9/26	18	29	11.31	4.00	126.70	55.1	5.1	92.90	SE OF SARANGANI, PHILIPPINES
#-1938	9/26	20	34	16.03	-6.52	146.79	48.4	5.3	90.15	NW OF LAE, PAPUA NEW GUINEA
#-1939	9/27	8	26	41.07	-15.28	-173.18	10.0	4.7	92.66	NE OF HIHIFO, TONGA
#-1940	9/27	8	44	4.34	-37.33	-94.12	10.0	4.9	68.19	WEST CHILE RISE
#-1941	9/27	14	39	24.79	-6.22	104.62	43.7	4.9	75.63	S OF KOTAAGUNG, INDONESIA
#-1942	9/27	15	15	43.18	5.05	94.20	50.2	4.7	83.03	WSW OF BANDA ACEH, INDONESIA
#-1943	9/27	22	49	4.54	36.45	69.81	29.2	5.0	107.89	SSW OF FARKHAR, AFGHANISTAN
#-1944	9/28	6	23	35.75	-19.13	-176.34	10.0	5.7	88.28	WNW OF PANGAI, TONGA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1945	9/28	6	49	32.56	-61.01	-25.83	10.0	4.8	27.07	S OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-1946	9/28	8	46	33.95	-35.62	-73.23	20.0	5.2	64.31	WSW OF CONSTITUCION, CHILE
#-1947	9/28	15	16	39.24	-17.96	-178.40	636.0	4.8	89.01	SE OF LAMBASA, FIJI
#-1948	9/29	1	38	8.09	41.20	48.10	13.2	5.3	110.41	ESE OF KURUSH, RUSSIA
#-1949	9/30	10	1	2.24	-3.03	130.05	26.2	4.8	87.54	ENE OF AMAHAI, INDONESIA
#-1950	9/30	13	46	25.99	-6.17	147.65	62.4	5.1	90.77	NNW OF FINSCHHAFEN, PAPUA NEW GUINEA
#-1951	9/30	16	45	56.23	1.60	67.74	10.0	5.5	73.27	CARLSBERG RIDGE
#-1952	9/30	21	34	33.46	-4.18	153.15	10.6	4.7	94.47	NNE OF TARON, PAPUA NEW GUINEA
#-1953	9/30	22	34	27.03	-17.83	-178.60	572.2	5.5	89.10	SE OF LAMBASA, FIJI
#-1954	10/1	2	41	1.48	52.19	151.80	548.6	4.8	145.35	SEA OF OKHOTSK
#-1955	10/1	3	38	51.76	-6.07	149.53	42.0	6.0	91.50	N OF KANDRIAN, PAPUA NEW GUINEA
#-1956	10/1	6	8	32.65	-16.65	-67.55	16.7	4.9	80.23	S OF CHULUMANI, BOLIVIA
#-1957	10/2	12	57	5.75	52.32	158.05	143.0	5.7	147.69	S OF PARATUNKA, RUSSIA
#-1958	10/2	13	51	0.94	-18.15	-178.90	547.4	4.7	88.72	SE OF LAMBASA, FIJI
#-1959	10/2	15	56	32.07	36.37	97.77	12.3	5.1	113.83	SSE OF DELINGHA SHI, CHINA
#-1960	10/3	0	57	30.71	40.16	142.77	30.0	5.5	131.85	NE OF MIYAKO, JAPAN
#-1961	10/3	5	37	18.01	4.74	-82.61	10.0	5.3	105.33	SOUTH OF PANAMA
#-1962	10/3	5	50	19.77	-32.04	-178.70	24.5	4.7	75.23	SSE OF L'ESPERANCE ROCK, NEW ZEALAND
#-1963	10/3	7	50	54.31	5.46	126.21	75.2	4.7	94.09	SE OF CABURAN, PHILIPPINES
#-1964	10/3	8	5	44.27	11.33	122.12	19.5	5.5	98.12	E OF SAN FRANCISCO, PHILIPPINES
#-1965	10/3	17	1	14.94	-61.87	-56.88	12.8	4.8	36.29	SOUTH SHETLAND ISLANDS
#-1966	10/3	18	28	24.93	-21.01	-174.20	4.9	5.3	86.85	ENE OF `OHONUA, TONGA
#-1967	10/3	21	25	26.71	-5.44	152.05	50.4	4.9	92.92	S OF KOKOPO, PAPUA NEW GUINEA
#-1968	10/3	22	20	45.53	34.44	26.30	15.5	5.1	103.87	SSE OF MAKRY GIALOS, GREECE
#-1969	10/4	17	38	42.34	10.92	125.96	63.7	5.2	99.10	E OF SULANGAN, PHILIPPINES
#-1970	10/4	18	34	45.32	-14.23	166.61	10.0	5.3	88.99	NNW OF PORT-OLRY, VANUATU
#-1971	10/4	19	16	36.00	17.42	-94.82	145.8	5.6	121.08	E OF JESUS CARRANZA, MEXICO
#-1972	10/4	21	18	8.16	1.45	126.43	43.5	5.1	90.43	NW OF KOTA TERNATE, INDONESIA
#-1973	10/5	5	16	16.77	-5.56	152.20	59.7	4.7	92.87	S OF KOKOPO, PAPUA NEW GUINEA
#-1974	10/5	7	24	43.27	-49.80	125.77	10.0	5.5	43.44	WESTERN INDIAN-ANTARCTIC RIDGE
#-1975	10/5	14	52	32.40	-1.31	132.40	3.0	5.3	89.99	ESE OF SORONG, INDONESIA
#-1976	10/5	17	16	47.10	-19.70	-176.07	10.0	5.0	87.78	W OF PANGAI, TONGA
#-1977	10/6	3	26	59.90	-40.12	46.14	10.0	5.1	29.14	SOUTHWEST INDIAN RIDGE
#-1978	10/6	12	3	41.00	-31.33	-68.45	116.0	4.8	66.82	NNE OF ALBARDON, ARGENTINA
#-1979	10/6	19	50	42.19	-60.44	-49.83	10.0	4.8	35.34	SCOTIA SEA
#-1980	10/7	4	28	55.66	11.50	-85.72	190.8	5.1	112.72	SSW OF MOYOGALPA, NICARAGUA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-1981	10/7	5	9	10.00	-19.65	-69.77	109.2	5.4	78.15	NNE OF IQUIQUE, CHILE
#-1982	10/7	5	9	25.33	-30.04	-177.47	12.6	4.8	77.41	SSE OF RAOUL ISLAND, NEW ZEALAND
#-1983	10/7	10	22	30.75	64.53	-17.20	4.0	5.5	139.22	WNW OF HOFN, ICELAND
#-1984	10/7	12	33	22.79	-20.02	-70.99	11.9	5.3	78.20	WNW OF IQUIQUE, CHILE
#-1985	10/7	13	5	51.69	-20.07	-70.94	15.6	4.9	78.14	WNW OF IQUIQUE, CHILE
#-1986	10/7	13	49	39.72	23.38	100.47	8.5	6.1	102.32	WSW OF WEIYUAN, CHINA
#-1987	10/7	15	42	13.89	-6.76	146.75	112.7	4.7	89.91	W OF LAE, PAPUA NEW GUINEA
#-1988	10/8	14	31	10.64	-0.21	124.62	65.1	4.7	88.24	SE OF MOLIBAGU, INDONESIA
#-1989	10/9	2	14	31.44	-32.11	-110.81	16.5	7.0	76.47	SOUTHERN EAST PACIFIC RISE
#-1990	10/9	2	32	5.14	-32.10	-110.86	10.0	6.6	76.49	SOUTHERN EAST PACIFIC RISE
#-1991	10/9	3	19	38.08	-32.12	-110.68	15.3	5.2	76.44	SOUTHERN EAST PACIFIC RISE
#-1992	10/9	3	48	57.69	-32.51	-110.89	10.0	4.8	76.09	SOUTHERN EAST PACIFIC RISE
#-1993	10/9	8	14	23.68	-32.61	-111.66	10.0	5.7	76.10	SOUTHERN EAST PACIFIC RISE
#-1994	10/9	11	34	51.35	-22.09	179.55	569.4	4.7	84.56	SW OF NDOI ISLAND, FIJI
#-1995	10/9	13	44	34.58	-37.79	49.80	10.0	4.7	31.77	SOUTHWEST INDIAN RIDGE
#-1996	10/9	17	34	46.00	-44.48	-78.36	25.0	4.9	57.55	OFF THE COAST OF AISEN, CHILE
#-1997	10/9	19	20	5.71	20.26	120.20	10.0	5.1	105.78	W OF SABTANG, PHILIPPINES
#-1998	10/9	20	59	59.60	-31.99	-111.20	10.0	5.7	76.65	EASTER ISLAND REGION
#-1999	10/10	0	44	37.79	-60.77	-43.13	12.3	4.7	33.00	SCOTIA SEA
#-2000	10/10	4	7	50.63	-32.16	-110.84	10.0	5.6	76.42	SOUTHERN EAST PACIFIC RISE
#-2001	10/10	5	14	20.95	-60.36	-50.01	10.0	4.9	35.46	SCOTIA SEA
#-2002	10/10	6	22	57.00	8.37	-83.13	20.5	5.0	108.93	W OF FINCA BLANCO NUMERO UNO, PANAMA
#-2003	10/10	12	58	18.53	4.35	126.33	73.5	5.0	93.11	SE OF SARANGANI, PHILIPPINES
#-2004	10/10	16	22	59.43	-5.58	154.35	164.0	4.8	93.54	WNW OF ARAWA, PAPUA NEW GUINEA
#-2005	10/10	17	12	25.40	-32.79	-111.64	10.0	5.2	75.93	SOUTHERN EAST PACIFIC RISE
#-2006	10/10	18	59	0.61	-32.08	-110.78	10.0	5.2	76.49	SOUTHERN EAST PACIFIC RISE
#-2007	10/10	20	58	3.99	-22.75	172.74	42.3	4.7	82.38	ESE OF ILE HUNTER, NEW CALEDONIA
#-2008	10/11	2	35	47.48	41.03	143.16	22.0	6.1	132.76	ENE OF HACHINOHE, JAPAN
#-2009	10/11	12	16	31.70	-6.79	104.62	23.0	4.8	75.09	W OF CANGKEUTEUK SABRANG, INDONESIA
#-2010	10/12	3	14	57.18	-52.51	27.98	10.0	4.7	17.29	SOUTH OF AFRICA
#-2011	10/12	3	32	46.31	12.87	93.87	136.3	4.9	90.40	NE OF PORT BLAIR, INDIA
#-2012	10/12	8	43	44.09	64.53	-17.66	10.0	5.1	139.31	WNW OF HOFN, ICELAND
#-2013	10/12	10	44	11.04	-22.87	-68.06	120.1	5.0	74.57	ENE OF SAN PEDRO DE ATACAMA, CHILE
#-2014	10/12	17	7	47.86	-22.18	-11.96	10.0	5.3	55.85	SOUTHERN MID-ATLANTIC RIDGE
#-2015	10/12	19	3	54.73	-5.43	152.15	16.0	5.2	92.97	S OF KOKOPO, PAPUA NEW GUINEA
#-2016	10/12	19	34	23.26	-5.39	152.15	35.0	5.1	93.01	S OF KOKOPO, PAPUA NEW GUINEA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2017	10/12	19	41	52.02	-5.43	152.09	35.0	5.3	92.95	S OF KOKOPO, PAPUA NEW GUINEA
#-2018	10/12	19	54	46.57	-5.41	152.09	35.0	5.2	92.97	S OF KOKOPO, PAPUA NEW GUINEA
#-2019	10/12	20	57	59.71	-5.41	152.06	35.0	5.1	92.96	S OF KOKOPO, PAPUA NEW GUINEA
#-2020	10/12	21	50	2.00	-5.46	152.06	31.6	4.7	92.91	S OF KOKOPO, PAPUA NEW GUINEA
#-2021	10/12	23	27	0.98	-31.61	76.74	10.0	4.9	43.06	MID-INDIAN RIDGE
#-2022	10/12	23	39	20.76	-5.40	152.27	35.0	5.0	93.04	S OF KOKOPO, PAPUA NEW GUINEA
#-2023	10/13	3	21	24.52	-32.56	-111.29	10.0	5.0	76.10	SOUTHERN EAST PACIFIC RISE
#-2024	10/13	5	13	44.06	-46.21	165.96	20.0	5.8	58.34	W OF RIVERTON, NEW ZEALAND
#-2025	10/13	9	40	30.22	-21.25	-178.54	534.6	4.7	85.77	SSE OF NDOI ISLAND, FIJI
#-2026	10/13	15	14	27.00	-15.25	-73.53	95.0	5.4	83.51	SE OF CORACORA, PERU
#-2027	10/13	22	5	39.58	-6.67	129.70	155.1	5.3	84.03	NW OF SAUMLAKI, INDONESIA
#-2028	10/14	3	51	34.46	12.53	-88.12	40.0	7.3	114.43	S OF INTIPUCA, EL SALVADOR
#-2029	10/14	4	12	27.04	-34.82	179.86	14.2	5.7	72.24	SOUTH OF THE KERMADEC ISLANDS
#-2030	10/14	8	35	23.23	-30.04	-177.51	34.6	5.2	77.40	SSE OF RAOUL ISLAND, NEW ZEALAND
#-2031	10/14	9	16	43.00	-33.73	-72.07	19.1	5.0	65.71	WSW OF SAN ANTONIO, CHILE
#-2032	10/14	18	36	6.27	7.56	94.24	10.0	5.0	85.43	ESE OF MOHEAN, INDIA
#-2033	10/14	22	52	8.99	26.25	127.42	34.7	5.3	113.83	W OF NAHA-SHI, JAPAN
#-2034	10/15	4	15	17.82	-32.52	-111.15	10.0	4.7	76.11	SOUTHERN EAST PACIFIC RISE
#-2035	10/15	8	44	49.49	44.13	149.12	20.5	5.0	137.60	SE OF KURIL'SK, RUSSIA
#-2036	10/15	9	14	49.92	-13.64	-112.08	10.0	4.8	94.85	CENTRAL EAST PACIFIC RISE
#-2037	10/15	11	16	33.90	64.48	-18.00	10.0	5.5	139.33	NNE OF VIK, ICELAND
#-2038	10/15	18	32	19.13	-3.16	128.02	31.8	5.0	86.69	WSW OF PIRU, INDONESIA
#-2039	10/15	23	53	2.26	31.79	140.50	60.0	5.5	123.54	SSE OF HACHIJO-JIMA, JAPAN
#-2040	10/16	0	56	30.69	1.05	97.22	26.8	5.1	80.12	SSE OF SINABANG, INDONESIA
#-2041	10/16	2	11	13.72	-45.82	-14.14	14.7	5.0	34.99	SOUTHERN MID-ATLANTIC RIDGE
#-2042	10/16	8	34	48.29	3.95	93.44	12.0	5.3	81.75	SW OF BANDA ACEH, INDONESIA
#-2043	10/16	9	24	30.58	-15.16	-173.53	10.0	5.1	92.72	NNE OF HIHIFO, TONGA
#-2044	10/16	17	8	17.81	5.51	126.42	44.0	5.0	94.22	ESE OF CABURAN, PHILIPPINES
#-2045	10/16	22	37	7.54	-34.99	-178.95	5.9	4.8	72.30	SOUTH OF THE KERMADEC ISLANDS
#-2046	10/17	9	26	0.24	-6.50	107.17	151.6	5.2	76.23	ESE OF CILEUNGSI, INDONESIA
#-2047	10/17	14	50	58.97	-19.21	-175.79	196.6	5.0	88.32	WNW OF PANGAI, TONGA
#-2048	10/17	17	41	34.68	29.70	128.52	41.3	5.0	117.38	NNW OF NAZE, JAPAN
#-2049	10/18	8	2	34.32	-6.02	103.95	75.1	5.1	75.59	S OF BIHA, INDONESIA
#-2050	10/18	9	40	54.58	-33.18	-179.18	10.0	5.0	74.02	S OF L'ESPERANCE ROCK, NEW ZEALAND
#-2051	10/18	12	14	9.71	-58.44	-26.54	161.9	5.0	29.17	N OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-2052	10/18	13	59	41.94	6.96	92.37	31.9	4.7	84.31	SW OF MOHEAN, INDIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2053	10/18	17	23	56.15	-46.85	33.49	10.0	5.0	22.33	PRINCE EDWARD ISLANDS REGION
#-2054	10/18	17	24	1.07	-14.40	-76.14	6.8	4.8	85.14	WSW OF SANTIAGO, PERU
#-2055	10/19	5	38	56.84	-55.27	-32.93	15.4	4.7	33.84	SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS
#-2056	10/19	9	32	17.82	-17.91	-178.39	598.4	4.9	89.07	SE OF LAMBASA, FIJI
#-2057	10/19	18	7	42.53	-45.02	167.49	133.4	4.7	59.82	NNW OF TE ANAU, NEW ZEALAND
#-2058	10/19	18	14	30.70	14.23	124.48	52.6	5.0	101.66	NNE OF BAGAMANOC, PHILIPPINES
#-2059	10/19	19	38	38.30	-3.33	150.84	10.0	5.8	94.52	S OF KAVIENG, PAPUA NEW GUINEA
#-2060	10/19	20	6	13.26	8.68	-39.33	10.0	5.4	93.98	CENTRAL MID-ATLANTIC RIDGE
#-2061	10/19	21	8	5.31	8.76	-39.44	10.0	4.8	94.09	CENTRAL MID-ATLANTIC RIDGE
#-2062	10/19	22	46	56.63	-1.10	-12.54	10.0	4.7	76.08	NORTH OF ASCENSION ISLAND
#-2063	10/19	23	50	43.99	9.28	-39.82	10.0	4.7	94.71	CENTRAL MID-ATLANTIC RIDGE
#-2064	10/19	23	56	7.65	8.59	-39.55	10.0	4.8	93.96	CENTRAL MID-ATLANTIC RIDGE
#-2065	10/19	23	58	56.74	8.73	-39.41	10.0	4.9	94.05	CENTRAL MID-ATLANTIC RIDGE
#-2066	10/20	6	27	50.81	-1.96	127.61	31.0	5.0	87.67	S OF LAIWUI, INDONESIA
#-2067	10/20	7	58	52.36	-61.95	161.32	10.0	5.7	42.79	BALLENY ISLANDS REGION
#-2068	10/20	13	15	36.08	-14.91	-176.92	68.7	4.8	92.30	ESE OF SIGAVE, WALLIS AND FUTUNA
#-2069	10/20	13	22	25.23	8.62	-39.37	10.0	4.9	93.93	CENTRAL MID-ATLANTIC RIDGE
#-2070	10/20	14	53	1.62	8.58	-39.39	10.0	5.1	93.90	CENTRAL MID-ATLANTIC RIDGE
#-2071	10/20	15	32	31.99	8.54	-39.38	10.0	4.8	93.86	CENTRAL MID-ATLANTIC RIDGE
#-2072	10/20	16	34	22.37	-15.54	-173.24	10.0	5.3	92.39	NE OF HIHIFO, TONGA
#-2073	10/20	18	53	55.53	6.99	124.95	19.1	4.7	95.07	E OF BIALONG, PHILIPPINES
#-2074	10/20	19	33	21.83	0.66	-77.89	10.0	5.6	99.95	NE OF EL ANGEL, ECUADOR
#-2075	10/21	0	36	58.00	65.15	-149.04	12.8	5.0	175.04	NW OF ESTER, ALASKA
#-2076	10/21	8	20	49.42	3.79	128.59	53.9	4.8	93.39	NNE OF TOBELO, INDONESIA
#-2077	10/21	8	36	40.48	64.52	-17.11	10.0	5.2	139.19	WNW OF HOFN, ICELAND
#-2078	10/21	13	13	6.51	-13.90	166.51	47.1	4.8	89.27	W OF SOLA, VANUATU
#-2079	10/21	14	34	7.18	-36.30	-99.34	10.0	4.9	70.31	SOUTHEAST OF EASTER ISLAND
#-2080	10/21	15	11	48.59	-2.85	129.98	35.2	4.7	87.69	ENE OF AMAHAI, INDONESIA
#-2081	10/21	15	44	30.34	-15.21	-173.20	10.0	4.8	92.72	NE OF HIHIFO, TONGA
#-2082	10/21	23	1	18.32	-63.46	169.66	10.0	5.6	43.03	BALLENY ISLANDS REGION
#-2083	10/21	23	11	6.37	-11.69	-14.25	10.0	4.9	66.49	ASCENSION ISLAND REGION
#-2084	10/22	0	15	17.44	27.42	128.55	43.0	5.8	115.30	NNE OF NAGO, JAPAN
#-2085	10/22	10	16	19.98	51.66	-176.91	52.8	5.2	155.82	SW OF ADAK, ALASKA
#-2086	10/22	10	40	15.16	-62.90	170.78	10.0	4.8	43.74	BALLENY ISLANDS REGION
#-2087	10/22	12	14	34.42	-63.02	170.53	10.0	4.7	43.59	BALLENY ISLANDS REGION
#-2088	10/22	12	38	21.51	-55.37	-28.00	10.0	5.0	32.03	NNW OF VISOKOI ISLAND

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2089	10/22	13	30	17.33	-63.28	171.03	19.9	4.8	43.44	BALLENY ISLANDS REGION
#-2090	10/22	20	21	8.67	-63.03	171.05	10.0	4.8	43.67	BALLENY ISLANDS REGION
#-2091	10/23	0	21	27.26	-28.71	-69.42	118.6	4.8	69.56	W OF VINCHINA, ARGENTINA
#-2092	10/23	2	15	28.88	-15.93	-173.81	68.5	4.9	91.91	WNW OF HIHIFO, TONGA
#-2093	10/23	5	51	49.53	-17.47	-178.93	542.2	4.8	89.38	ESE OF LAMBASA, FIJI
#-2094	10/23	6	59	20.56	1.72	127.33	103.0	5.2	91.01	W OF TOBELO, INDONESIA
#-2095	10/23	9	50	16.24	5.78	125.84	128.8	4.9	94.26	SE OF CABURAN, PHILIPPINES
#-2096	10/23	9	56	45.19	-7.05	154.83	98.9	4.7	92.31	SW OF PANGUNA, PAPUA NEW GUINEA
#-2097	10/23	12	18	32.07	-33.24	-179.49	35.0	5.3	73.90	SSW OF L'ESPERANCE ROCK, NEW ZEALAND
#-2098	10/23	16	30	24.00	65.17	-149.06	19.5	5.0	175.04	NW OF ESTER, ALASKA
#-2099	10/23	19	41	57.30	-6.99	129.85	142.1	4.7	83.78	WNW OF SAUMLAKI, INDONESIA
#-2100	10/23	23	38	52.29	-33.99	-72.28	17.3	5.0	65.54	SW OF SAN ANTONIO, CHILE
#-2101	10/24	2	23	46.43	1.46	126.45	43.7	5.2	90.44	NW OF KOTA TERNATE, INDONESIA
#-2102	10/24	7	16	41.00	-34.00	-72.24	25.3	4.9	65.52	SW OF SAN ANTONIO, CHILE
#-2103	10/24	11	21	21.42	-44.32	-82.06	10.0	5.2	58.66	WEST CHILE RISE
#-2104	10/24	12	38	56.30	27.77	57.40	23.8	5.3	97.72	NNE OF MINAB, IRAN
#-2105	10/24	18	15	1.45	-7.16	146.10	179.7	4.7	89.32	W OF BULOLO, PAPUA NEW GUINEA
#-2106	10/25	1	48	38.11	64.45	-17.62	7.1	5.0	139.23	WNW OF HOFN, ICELAND
#-2107	10/25	17	5	17.13	-34.01	-72.30	18.3	4.7	65.53	SW OF SAN ANTONIO, CHILE
#-2108	10/25	18	41	25.52	-13.42	-76.48	42.3	4.7	86.17	W OF CHINCHA ALTA, PERU
#-2109	10/25	20	49	24.64	-5.53	151.81	35.0	4.7	92.77	SSW OF KOKOPO, PAPUA NEW GUINEA
#-2110	10/25	22	45	6.32	-10.41	66.44	10.0	4.8	61.22	MID-INDIAN RIDGE
#-2111	10/26	2	52	53.00	-20.57	-70.55	44.8	4.7	77.54	SW OF IQUIQUE, CHILE
#-2112	10/26	2	58	44.36	7.53	94.41	10.0	4.7	85.45	ESE OF MOHEAN, INDIA
#-2113	10/26	8	56	41.72	-10.24	112.80	36.1	5.0	74.67	S OF KRAJAN TAMBAKREJO, INDONESIA
#-2114	10/26	9	7	24.99	-10.32	112.79	29.9	4.9	74.59	S OF KRAJAN TAMBAKREJO, INDONESIA
#-2115	10/26	10	45	31.84	-10.56	-74.08	125.0	5.7	88.11	NE OF SATIPO, PERU
#-2116	10/26	12	13	24.59	-5.39	150.48	40.6	5.2	92.46	ENE OF KIMBE, PAPUA NEW GUINEA
#-2117	10/26	19	47	35.56	-4.77	152.63	60.3	5.0	93.75	SW OF TARON, PAPUA NEW GUINEA
#-2118	10/26	22	7	15.24	7.49	94.19	18.9	4.7	85.35	ESE OF MOHEAN, INDIA
#-2119	10/27	0	2	49.63	5.29	97.98	59.7	4.7	84.39	N OF LANGSA, INDONESIA
#-2120	10/27	8	32	9.21	9.67	126.75	58.8	5.1	98.22	E OF GENERAL LUNA, PHILIPPINES
#-2121	10/27	8	34	20.85	9.76	126.75	46.1	5.5	98.30	E OF GENERAL LUNA, PHILIPPINES
#-2122	10/27	9	5	17.18	-15.32	-173.26	15.9	4.7	92.61	NE OF HIHIFO, TONGA
#-2123	10/27	9	54	4.88	51.44	-177.84	52.6	5.1	155.33	SSE OF TANAGA VOLCANO, ALASKA
#-2124	10/27	13	11	41.57	-11.94	166.54	138.5	5.1	91.17	SSE OF LATA, SOLOMON ISLANDS

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2125	10/28	3	15	37.95	-15.30	-174.68	8.0	6.0	92.36	NW OF HIHIFO, TONGA
#-2126	10/28	7	9	15.28	-56.32	-26.74	69.1	4.8	30.85	NNE OF VISOKOI ISLAND
#-2127	10/28	11	49	49.54	-24.74	179.79	496.8	4.8	82.03	SOUTH OF THE FIJI ISLANDS
#-2128	10/28	13	13	8.95	-36.01	53.51	10.0	5.4	33.95	SOUTH INDIAN OCEAN
#-2129	10/29	21	14	54.46	-6.00	148.72	70.7	5.2	91.30	WNW OF KANDRIAN, PAPUA NEW GUINEA
#-2130	10/30	12	11	35.65	-6.99	117.59	535.0	5.7	79.40	N OF LABUHANKANANGA, INDONESIA
#-2131	10/30	14	33	34.15	1.07	123.85	262.1	4.8	89.15	NW OF LOLAK, INDONESIA
#-2132	10/30	15	56	54.90	-49.12	30.79	10.0	4.7	20.29	SOUTH OF AFRICA
#-2133	10/30	22	37	15.99	-16.15	-73.63	64.0	5.1	82.69	WNW OF CAMANA, PERU
#-2134	10/31	1	30	38.97	64.76	-17.24	5.4	5.2	139.43	SSE OF AKUREYRI, ICELAND
#-2135	10/31	17	4	58.24	-5.42	35.90	10.0	5.1	63.62	SSE OF KONDOA, TANZANIA
#-2136	10/31	18	42	18.28	-7.60	-76.36	17.6	5.4	91.64	SE OF HUICUNGO, PERU
#-2137	10/31	21	32	26.10	64.62	-17.78	10.4	5.0	139.41	S OF AKUREYRI, ICELAND
#-2138	11/1	10	5	43.54	-31.92	-111.11	10.0	5.8	76.70	EASTER ISLAND REGION
#-2139	11/1	10	31	38.65	-59.38	-26.21	35.0	4.8	28.37	SSE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-2140	11/1	10	59	54.61	-31.85	-111.24	10.0	6.0	76.79	EASTER ISLAND REGION
#-2141	11/1	18	57	22.38	-19.69	-177.76	434.0	7.1	87.46	NE OF NDOI ISLAND, FIJI
#-2142	11/1	22	13	14.55	-9.78	159.76	24.5	5.3	91.25	SSW OF HONIARA, SOLOMON ISLANDS
#-2143	11/2	9	20	28.40	-2.91	147.61	10.0	4.8	93.82	SSE OF LORENGAU, PAPUA NEW GUINEA
#-2144	11/2	13	21	16.61	-4.44	102.15	48.5	4.9	76.49	S OF BENGKULU, INDONESIA
#-2145	11/2	14	4	26.14	-6.32	130.19	124.0	4.7	84.52	NW OF SAUMLAKI, INDONESIA
#-2146	11/2	16	5	46.13	64.57	-17.07	10.0	5.4	139.23	WNW OF HOFN, ICELAND
#-2147	11/2	17	17	4.41	-61.22	154.28	10.0	6.0	41.87	BALLENY ISLANDS REGION
#-2148	11/2	18	25	40.98	-10.96	29.74	10.0	5.3	58.36	NNE OF SAMFYA, ZAMBIA
#-2149	11/2	23	8	20.88	-19.84	-174.46	41.9	4.7	87.95	WSW OF PANGAI, TONGA
#-2150	11/3	7	18	8.45	4.63	-32.57	10.0	5.1	87.85	CENTRAL MID-ATLANTIC RIDGE
#-2151	11/3	7	49	12.26	5.11	-32.59	10.0	4.7	88.31	CENTRAL MID-ATLANTIC RIDGE
#-2152	11/3	8	23	53.65	4.67	-32.68	10.0	5.5	87.92	CENTRAL MID-ATLANTIC RIDGE
#-2153	11/3	8	27	5.48	4.84	-32.74	10.0	5.1	88.11	CENTRAL MID-ATLANTIC RIDGE
#-2154	11/3	8	48	29.74	-41.73	79.96	10.0	6.3	34.58	MID-INDIAN RIDGE
#-2155	11/3	8	56	30.79	-7.41	105.97	25.1	5.0	74.96	W OF GUNUNGBATU, INDONESIA
#-2156	11/3	9	28	53.39	-41.58	80.12	10.0	4.8	34.76	MID-INDIAN RIDGE
#-2157	11/3	12	36	17.74	-41.81	79.96	10.0	5.1	34.51	MID-INDIAN RIDGE
#-2158	11/3	13	9	12.22	-31.70	-178.58	77.6	4.7	75.58	SE OF L'ESPERANCE ROCK, NEW ZEALAND
#-2159	11/4	1	8	33.03	-19.76	-177.68	436.0	4.7	87.40	NE OF NDOI ISLAND, FIJI
#-2160	11/4	4	19	10.36	0.08	123.65	129.2	5.1	88.16	SW OF MOLIBAGU, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2161	11/4	16	58	24.28	-49.04	-9.10	15.2	4.9	30.48	SOUTHERN MID-ATLANTIC RIDGE
#-2162	11/4	18	21	3.57	-28.60	-179.05	354.3	5.2	78.50	WNW OF RAOUL ISLAND, NEW ZEALAND
#-2163	11/4	22	31	35.52	-19.94	-70.98	14.6	4.9	78.27	WNW OF IQUIQUE, CHILE
#-2164	11/5	18	13	18.67	-16.79	-178.96	10.0	4.9	90.04	ESE OF LAMBASA, FIJI
#-2165	11/5	23	28	32.51	-5.19	153.63	77.6	5.1	93.68	SE OF TARON, PAPUA NEW GUINEA
#-2166	11/6	15	46	20.40	7.42	94.33	28.8	5.3	85.32	ESE OF MOHEAN, INDIA
#-2167	11/7	0	20	47.17	4.78	95.07	39.0	5.5	83.02	SSW OF BANDA ACEH, INDONESIA
#-2168	11/7	1	59	19.99	13.64	-90.67	66.7	5.2	116.25	S OF IZTAPA, GUATEMALA
#-2169	11/7	2	27	45.95	-40.99	43.04	10.0	4.8	28.10	SOUTHWEST INDIAN RIDGE
#-2170	11/7	3	33	55.28	-5.99	148.23	53.2	6.6	91.14	NNE OF FINSCHHAFEN, PAPUA NEW GUINEA
#-2171	11/7	6	51	0.99	-60.14	-26.86	53.9	5.1	28.05	S OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-2172	11/7	7	11	23.54	64.59	-17.53	8.0	5.2	139.34	WNW OF HOFN, ICELAND
#-2173	11/7	7	41	38.30	38.10	20.44	18.0	5.1	107.99	SSW OF ARGOSTOLION, GREECE
#-2174	11/7	7	57	11.12	-15.08	41.45	10.0	4.8	53.95	E OF ILHA DE MOCAMBIQUE, MOZAMBIQUE
#-2175	11/7	17	34	51.18	-6.44	148.58	48.1	5.2	90.84	ENE OF FINSCHHAFEN, PAPUA NEW GUINEA
#-2176	11/8	6	57	30.06	-36.35	-99.80	10.0	4.8	70.35	SOUTHEAST OF EASTER ISLAND
#-2177	11/8	12	42	42.18	4.99	126.24	89.8	5.0	93.67	ESE OF SARANGANI, PHILIPPINES
#-2178	11/8	16	9	2.79	-21.01	-179.02	611.3	5.1	85.91	SW OF NDOI ISLAND, FIJI
#-2179	11/8	21	26	19.43	-16.55	-171.97	29.6	4.7	91.63	ESE OF HIHIFO, TONGA
#-2180	11/8	23	15	42.20	38.10	20.44	18.0	5.1	107.99	SSW OF ARGOSTOLION, GREECE
#-2181	11/9	7	12	4.96	-51.59	139.72	10.0	5.0	46.36	WESTERN INDIAN-ANTARCTIC RIDGE
#-2182	11/9	7	23	18.80	-51.52	139.72	10.0	4.7	46.41	WESTERN INDIAN-ANTARCTIC RIDGE
#-2183	11/9	7	26	48.55	-51.48	139.76	10.0	4.7	46.46	WESTERN INDIAN-ANTARCTIC RIDGE
#-2184	11/9	10	5	41.26	-7.61	128.36	151.6	4.8	82.66	KEPULAUAN BARAT DAYA, INDONESIA
#-2185	11/9	13	26	45.40	-5.49	-78.44	39.3	4.8	94.30	N OF LA PECA, PERU
#-2186	11/9	16	26	3.64	-23.39	-179.85	547.5	5.0	83.41	SOUTH OF THE FIJI ISLANDS
#-2187	11/9	21	19	41.23	64.56	-17.47	7.4	5.4	139.30	WNW OF HOFN, ICELAND
#-2188	11/10	2	35	51.89	-3.85	101.82	58.0	4.7	76.94	W OF BENGKULU, INDONESIA
#-2189	11/10	2	39	2.51	-23.98	69.56	10.0	5.2	48.60	MID-INDIAN RIDGE
#-2190	11/10	3	40	22.25	-10.27	161.78	56.4	4.7	91.40	NW OF KIRAKIRA, SOLOMON ISLANDS
#-2191	11/10	4	41	14.95	10.03	126.74	8.0	5.2	98.55	ENE OF GENERAL LUNA, PHILIPPINES
#-2192	11/10	6	13	11.97	-6.36	104.35	35.0	4.9	75.41	SSW OF KOTAAGUNG, INDONESIA
#-2193	11/10	9	8	21.20	-28.38	-69.05	98.1	4.8	69.76	WNW OF VINCHINA, ARGENTINA
#-2194	11/10	10	4	21.15	-22.77	171.45	7.0	5.9	82.04	SW OF ILE HUNTER, NEW CALEDONIA
#-2195	11/10	11	38	59.00	-21.63	-68.73	111.3	5.6	75.95	NNE OF CALAMA, CHILE
#-2196	11/10	12	20	9.97	5.62	126.62	94.0	4.7	94.39	SSE OF PONDAGUITAN, PHILIPPINES

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2197	11/10	13	52	37.38	27.90	55.86	10.0	5.4	97.70	NNW OF BANDAR 'ABBAS, IRAN
#-2198	11/10	15	23	10.54	-36.18	179.78	51.1	4.8	70.91	OFF THE EAST COAST OF THE NORTH ISLAND OF N.Z.
#-2199	11/10	21	38	0.83	-30.04	-177.85	29.0	5.7	77.33	S OF RAOUL ISLAND, NEW ZEALAND
#-2200	11/10	23	49	51.44	-58.85	-25.52	45.4	5.0	28.51	ENE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-2201	11/11	3	20	49.33	-4.92	29.43	13.7	4.8	64.41	WSW OF KIGOMA, TANZANIA
#-2202	11/11	5	4	42.18	7.58	94.36	10.0	5.1	85.49	ESE OF MOHEAN, INDIA
#-2203	11/11	7	50	7.74	7.46	94.30	8.0	5.3	85.35	ESE OF MOHEAN, INDIA
#-2204	11/11	8	4	35.67	7.45	94.20	10.0	5.1	85.31	ESE OF MOHEAN, INDIA
#-2205	11/11	14	34	41.49	52.66	152.72	504.8	4.7	146.07	WNW OF OZERNOVSKIY, RUSSIA
#-2206	11/11	16	25	15.97	-56.11	-27.22	101.9	4.8	31.18	N OF VISOKOI ISLAND
#-2207	11/11	19	34	5.94	-33.56	-72.09	27.9	4.8	65.88	W OF SAN ANTONIO, CHILE
#-2208	11/11	21	22	25.57	-6.78	129.49	160.0	5.1	83.85	WNW OF SAUMLAKI, INDONESIA
#-2209	11/12	6	11	54.72	-10.86	165.70	50.2	4.9	91.96	SW OF LATA, SOLOMON ISLANDS
#-2210	11/12	19	59	41.72	11.59	57.74	10.0	4.8	81.68	OWEN FRACTURE ZONE REGION
#-2211	11/13	2	31	59.27	-6.14	148.19	59.9	4.9	90.98	NE OF FINSCHHAFEN, PAPUA NEW GUINEA
#-2212	11/13	7	22	23.35	-58.76	-25.21	35.0	5.0	28.47	ENE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-2213	11/13	10	24	18.27	-15.22	173.08	10.0	6.0	89.74	FIJI REGION
#-2214	11/13	10	42	19.85	-10.63	165.56	65.2	5.1	92.15	WNW OF LATA, SOLOMON ISLANDS
#-2215	11/13	12	21	6.12	-18.50	169.11	211.0	5.5	85.56	N OF ISANGEL, VANUATU
#-2216	11/13	21	9	57.14	-52.45	20.02	10.0	4.7	18.80	SOUTH OF AFRICA
#-2217	11/14	6	9	45.51	52.33	160.91	41.8	5.0	148.73	ESE OF PETROPAVLOVSK-KAMCHATSKIY, RUSSIA
#-2218	11/14	9	51	30.00	51.95	176.79	82.7	5.0	153.99	WSW OF KISKA VOLCANO, ALASKA
#-2219	11/14	20	9	46.36	-18.97	169.44	263.7	4.9	85.19	NNE OF ISANGEL, VANUATU
#-2220	11/15	0	18	39.88	-12.69	-76.73	44.9	5.4	86.94	WSW OF MALA, PERU
#-2221	11/15	0	48	35.93	-54.63	-128.91	10.0	4.7	56.04	PACIFIC-ANTARCTIC RIDGE
#-2222	11/15	2	31	41.72	1.89	126.52	45.0	7.1	90.88	NW OF KOTA TERNATE, INDONESIA
#-2223	11/15	2	40	6.84	0.57	126.03	35.0	5.1	89.47	SE OF BITUNG, INDONESIA
#-2224	11/15	2	43	16.80	1.72	126.28	35.0	5.1	90.63	ENE OF BITUNG, INDONESIA
#-2225	11/15	2	49	12.76	1.70	126.33	39.8	4.7	90.63	ENE OF BITUNG, INDONESIA
#-2226	11/15	3	8	4.59	-0.14	123.89	90.3	5.9	88.03	S OF MOLIBAGU, INDONESIA
#-2227	11/15	3	23	0.23	1.83	126.49	18.0	5.0	90.80	NW OF KOTA TERNATE, INDONESIA
#-2228	11/15	4	6	5.55	1.83	126.62	36.8	4.9	90.86	NW OF KOTA TERNATE, INDONESIA
#-2229	11/15	5	20	37.78	-17.24	-69.92	152.7	5.0	80.47	ENE OF CHUQUITIRA, PERU
#-2230	11/15	5	47	58.73	1.90	126.57	35.0	4.7	90.90	NW OF KOTA TERNATE, INDONESIA
#-2231	11/15	6	14	0.32	1.92	126.46	35.0	4.8	90.88	ENE OF BITUNG, INDONESIA
#-2232	11/15	9	26	57.32	1.85	126.63	35.0	5.0	90.88	NW OF KOTA TERNATE, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2233	11/15	9	47	57.85	1.79	126.56	35.0	5.5	90.79	NW OF KOTA TERNATE, INDONESIA
#-2234	11/15	10	43	13.28	-54.62	-56.22	10.0	4.7	42.07	FALKLAND ISLANDS REGION
#-2235	11/15	11	12	2.66	1.78	126.50	35.0	5.4	90.76	NW OF KOTA TERNATE, INDONESIA
#-2236	11/15	18	56	33.43	-1.10	123.56	38.1	5.0	87.03	E OF LUWUK, INDONESIA
#-2237	11/16	5	59	48.91	-14.77	-173.87	22.8	4.8	93.03	N OF HIHIFO, TONGA
#-2238	11/16	10	21	21.34	10.57	-86.06	28.4	5.2	111.93	W OF SARDINAL, COSTA RICA
#-2239	11/16	11	6	8.98	1.65	97.92	36.0	5.2	80.91	W OF SIBOLGA, INDONESIA
#-2240	11/16	12	31	17.83	1.77	126.53	35.0	4.8	90.76	NW OF KOTA TERNATE, INDONESIA
#-2241	11/16	18	30	30.70	-0.09	-18.13	10.0	4.7	78.71	CENTRAL MID-ATLANTIC RIDGE
#-2242	11/16	20	16	57.91	-25.74	179.72	509.8	4.7	81.04	SOUTH OF THE FIJI ISLANDS
#-2243	11/16	22	33	20.45	-37.65	179.66	22.0	6.7	69.46	NE OF GISBORNE, NEW ZEALAND
#-2244	11/17	0	33	46.00	-32.96	-70.60	86.2	4.8	65.98	S OF LOS ANDES, CHILE
#-2245	11/17	1	5	57.68	-9.55	155.14	10.0	5.8	90.04	SW OF GIZO, SOLOMON ISLANDS
#-2246	11/17	4	34	12.36	20.78	94.42	66.0	5.3	98.11	WSW OF CHAUK, BURMA
#-2247	11/17	6	20	29.13	-21.47	-179.25	611.9	4.8	85.42	SSW OF NDOI ISLAND, FIJI
#-2248	11/17	11	27	6.98	-36.00	-102.20	19.1	5.5	71.16	SOUTHEAST OF EASTER ISLAND
#-2249	11/17	13	27	17.44	-9.77	155.14	20.0	5.3	89.83	SW OF GIZO, SOLOMON ISLANDS
#-2250	11/17	16	52	46.85	-46.35	33.80	10.0	6.1	22.81	PRINCE EDWARD ISLANDS REGION
#-2251	11/17	19	6	31.25	-7.06	120.36	589.4	5.1	80.31	N OF CONGKAR, INDONESIA
#-2252	11/18	3	25	37.49	7.48	94.36	6.6	5.6	85.39	ESE OF MOHEAN, INDIA
#-2253	11/18	4	47	16.63	1.87	126.48	30.0	5.8	90.84	ENE OF BITUNG, INDONESIA
#-2254	11/18	4	56	10.32	1.95	126.50	35.0	4.8	90.92	ENE OF BITUNG, INDONESIA
#-2255	11/18	5	3	15.23	1.88	126.51	35.0	4.9	90.86	NW OF KOTA TERNATE, INDONESIA
#-2256	11/18	6	6	24.96	7.45	94.38	10.0	5.2	85.37	ESE OF MOHEAN, INDIA
#-2257	11/18	9	15	53.51	19.47	120.42	10.0	5.3	105.12	NNW OF PAGUDPUD, PHILIPPINES
#-2258	11/18	12	43	22.40	1.97	126.38	35.0	5.2	90.90	ENE OF BITUNG, INDONESIA
#-2259	11/18	16	2	6.53	-23.53	-175.09	10.0	5.3	84.21	S OF `OHONUA, TONGA
#-2260	11/18	23	40	39.22	-48.15	31.88	10.0	4.9	21.16	SOUTH OF AFRICA
#-2261	11/19	2	56	27.13	-10.48	123.84	24.5	5.2	78.37	SE OF KUPANG, INDONESIA
#-2262	11/19	3	4	24.00	-6.56	131.28	83.6	4.9	84.69	N OF SAUMLAKI, INDONESIA
#-2263	11/19	5	6	30.13	-2.72	68.02	10.0	5.1	69.07	CARLSBERG RIDGE
#-2264	11/19	5	8	2.34	-12.03	65.80	10.0	4.9	59.51	MID-INDIAN RIDGE
#-2265	11/19	6	40	52.87	-37.69	179.68	35.0	4.9	69.42	NE OF GISBORNE, NEW ZEALAND
#-2266	11/19	14	17	52.14	-15.81	-73.75	72.8	4.8	83.05	S OF CORACORA, PERU
#-2267	11/19	18	38	51.47	-24.57	-13.13	9.3	4.7	53.97	SOUTHERN MID-ATLANTIC RIDGE
#-2268	11/20	1	41	17.08	-15.36	167.44	118.2	4.7	88.13	ENE OF LUGANVILLE, VANUATU

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2269	11/20	1	51	42.18	37.32	141.61	32.0	5.6	128.92	ESE OF NAMIE, JAPAN
#-2270	11/20	6	5	45.99	7.43	94.33	27.2	5.0	85.33	ESE OF MOHEAN, INDIA
#-2271	11/20	8	35	32.25	0.97	127.83	38.1	4.8	90.48	ENE OF TERNATE, INDONESIA
#-2272	11/21	3	29	11.39	20.65	120.07	4.0	5.8	106.10	SSW OF HENGCHUN, TAIWAN
#-2273	11/21	10	10	19.63	2.30	127.06	35.0	6.5	91.45	WNW OF TOBELO, INDONESIA
#-2274	11/22	4	18	40.89	-17.67	168.26	63.7	5.2	86.14	NW OF PORT-VILA, VANUATU
#-2275	11/22	4	34	34.94	0.40	125.46	46.3	4.8	89.11	SSE OF TONDANO, INDONESIA
#-2276	11/22	6	50	53.64	-20.07	-71.13	14.7	5.0	78.20	W OF IQUIQUE, CHILE
#-2277	11/22	8	43	53.50	-8.76	-74.60	137.8	5.1	89.97	SE OF CAMPOVERDE, PERU
#-2278	11/22	13	8	18.42	36.64	137.89	9.0	6.2	126.98	N OF OMACHI, JAPAN
#-2279	11/22	16	33	54.71	-49.20	108.89	10.0	5.0	38.07	SOUTHEAST INDIAN RIDGE
#-2280	11/22	19	14	16.37	45.90	27.15	32.0	5.6	115.24	E OF PANCIU, ROMANIA
#-2281	11/23	11	1	25.12	43.82	-128.55	10.0	5.2	154.01	OFF THE COAST OF OREGON
#-2282	11/23	11	36	57.89	-37.90	179.73	25.4	4.9	69.22	ENE OF GISBORNE, NEW ZEALAND
#-2283	11/24	4	17	27.49	-15.97	-179.92	8.6	4.8	90.63	ENE OF LAMBASA, FIJI
#-2284	11/24	9	3	28.39	64.67	-17.56	10.0	5.2	139.42	SSE OF AKUREYRI, ICELAND
#-2285	11/24	15	30	8.67	2.77	96.16	46.0	5.3	81.43	NW OF SINABANG, INDONESIA
#-2286	11/24	21	2	19.46	-5.96	154.96	170.0	5.6	93.38	WNW OF ARAWA, PAPUA NEW GUINEA
#-2287	11/24	22	26	54.88	-4.68	153.52	95.8	4.8	94.13	ESE OF TARON, PAPUA NEW GUINEA
#-2288	11/25	5	19	54.10	5.74	61.29	10.0	5.0	76.33	CARLSBERG RIDGE
#-2289	11/25	8	54	59.96	-20.56	-68.79	115.8	4.9	76.97	ESE OF IQUIQUE, CHILE
#-2290	11/25	9	11	35.23	-11.33	166.46	106.9	4.9	91.73	SE OF LATA, SOLOMON ISLANDS
#-2291	11/25	13	32	49.40	-39.64	-15.49	13.9	4.8	40.91	TRISTAN DA CUNHA REGION
#-2292	11/25	15	19	8.05	30.19	101.76	9.0	5.6	109.13	NW OF KANGDING, CHINA
#-2293	11/25	16	29	51.46	2.36	127.00	37.4	5.1	91.48	WNW OF TOBELO, INDONESIA
#-2294	11/25	19	47	53.74	-39.71	-15.94	13.9	5.1	41.00	TRISTAN DA CUNHA REGION
#-2295	11/25	20	20	16.32	6.76	-72.95	165.9	5.1	104.06	NE OF ARATOCA, COLOMBIA
#-2296	11/25	20	33	38.29	21.81	143.46	47.4	5.0	115.46	NW OF FARALLON DE PAJAROS, NORTHERN MARIANA ISL.
#-2297	11/26	9	19	43.20	-29.89	-177.12	11.9	4.7	77.62	SE OF RAOUL ISLAND, NEW ZEALAND
#-2298	11/26	12	42	37.80	48.84	154.11	102.4	5.0	143.41	SW OF SEVERO-KURIL'SK, RUSSIA
#-2299	11/26	13	8	36.85	5.80	61.37	10.0	5.2	76.40	CARLSBERG RIDGE
#-2300	11/26	13	52	19.89	5.69	61.36	10.0	4.8	76.28	CARLSBERG RIDGE
#-2301	11/26	14	33	43.64	1.96	126.58	39.0	6.8	90.96	NW OF KOTA TERNATE, INDONESIA
#-2302	11/26	14	43	50.67	1.76	126.15	35.0	4.9	90.62	ENE OF BITUNG, INDONESIA
#-2303	11/26	14	46	36.37	2.09	126.59	35.0	4.9	91.08	WNW OF TOBELO, INDONESIA
#-2304	11/26	14	48	31.57	1.94	126.43	42.6	5.1	90.89	ENE OF BITUNG, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2305	11/26	14	49	49.61	1.81	126.46	30.4	5.6	90.78	ENE OF BITUNG, INDONESIA
#-2306	11/26	15	2	47.76	1.84	126.51	35.0	5.0	90.82	NW OF KOTA TERNATE, INDONESIA
#-2307	11/26	16	40	30.13	-4.80	152.96	55.7	5.0	93.83	SSW OF TARON, PAPUA NEW GUINEA
#-2308	11/26	17	16	2.90	1.77	126.49	35.0	5.0	90.75	NW OF KOTA TERNATE, INDONESIA
#-2309	11/26	17	49	22.58	-30.22	-177.37	10.0	4.9	77.25	SSE OF RAOUL ISLAND, NEW ZEALAND
#-2310	11/26	22	5	41.74	1.96	126.57	42.2	4.8	90.95	NW OF KOTA TERNATE, INDONESIA
#-2311	11/26	22	26	0.55	8.24	-104.11	10.0	5.4	114.67	NORTHERN EAST PACIFIC RISE
#-2312	11/27	0	18	27.87	5.81	61.30	10.0	5.3	76.39	CARLSBERG RIDGE
#-2313	11/27	0	35	37.91	-1.61	99.33	10.0	4.9	78.25	E OF MUARA SIBERUT, INDONESIA
#-2314	11/27	11	10	17.93	-57.89	-25.53	35.0	5.1	29.23	NNE OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-2315	11/27	15	5	50.51	-21.07	-175.48	77.0	5.2	86.55	WNW OF HAVELU, TONGA
#-2316	11/28	1	18	45.61	12.51	92.80	43.8	5.3	89.75	N OF BAMBOO FLAT, INDIA
#-2317	11/28	4	28	15.51	5.87	61.32	10.0	4.7	76.46	CARLSBERG RIDGE
#-2318	11/28	4	36	24.67	8.74	-77.49	62.1	5.1	107.45	NW OF ACANDI, COLOMBIA
#-2319	11/28	12	42	9.94	2.21	121.37	44.3	5.0	89.33	N OF KALI, INDONESIA
#-2320	11/28	13	23	15.83	5.75	61.33	10.0	5.4	76.34	CARLSBERG RIDGE
#-2321	11/28	15	3	56.88	-4.87	151.55	144.8	5.0	93.30	SW OF KOKOPO, PAPUA NEW GUINEA
#-2322	11/28	19	6	25.67	-30.74	76.20	15.3	5.0	43.74	MID-INDIAN RIDGE
#-2323	11/28	19	29	33.66	1.91	126.44	47.3	5.2	90.86	ENE OF BITUNG, INDONESIA
#-2324	11/28	23	59	50.75	5.71	61.66	10.0	4.8	76.35	CARLSBERG RIDGE
#-2325	11/29	3	36	36.67	-21.64	169.69	40.4	4.7	82.69	E OF TADINE, NEW CALEDONIA
#-2326	11/29	6	40	22.49	5.66	61.26	10.0	4.9	76.24	CARLSBERG RIDGE
#-2327	11/29	13	5	8.54	5.73	61.38	10.0	5.6	76.33	CARLSBERG RIDGE
#-2328	11/29	13	7	6.16	5.67	61.17	10.0	4.8	76.24	CARLSBERG RIDGE
#-2329	11/29	14	18	7.93	-20.00	-71.07	6.1	5.3	78.25	WNW OF IQUIQUE, CHILE
#-2330	11/29	15	15	0.92	5.60	61.12	10.0	4.8	76.16	CARLSBERG RIDGE
#-2331	11/29	15	36	17.82	19.85	121.37	35.0	5.2	105.80	SW OF SABTANG, PHILIPPINES
#-2332	11/29	18	56	12.78	-6.93	150.97	34.3	4.8	91.17	ESE OF KANDRIAN, PAPUA NEW GUINEA
#-2333	11/29	19	40	10.61	2.38	127.01	37.0	5.8	91.51	WNW OF TOBELO, INDONESIA
#-2334	11/29	19	54	26.78	5.82	61.37	10.0	4.7	76.41	CARLSBERG RIDGE
#-2335	11/29	21	23	58.37	1.90	126.55	47.2	4.8	90.89	NW OF KOTA TERNATE, INDONESIA
#-2336	11/30	0	32	54.20	-3.35	145.18	10.0	4.7	92.58	ENE OF ANGORAM, PAPUA NEW GUINEA
#-2337	11/30	0	39	25.89	-3.34	145.09	10.0	5.0	92.56	NE OF ANGORAM, PAPUA NEW GUINEA
#-2338	11/30	5	48	22.36	5.78	61.38	10.0	5.1	76.38	CARLSBERG RIDGE
#-2339	11/30	9	1	57.30	-37.33	178.28	68.2	4.8	69.49	NE OF OPOTIKI, NEW ZEALAND
#-2340	11/30	18	3	5.88	3.47	90.14	35.0	5.0	80.34	OFF THE WEST COAST OF NORTHERN SUMATRA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2341	12/1	3	47	49.32	5.91	61.37	10.0	5.2	76.51	CARLSBERG RIDGE
#-2342	12/1	13	4	24.47	-48.85	164.45	21.0	5.7	55.50	NNW OF AUCKLAND ISLAND, NEW ZEALAND
#-2343	12/1	22	47	26.61	1.60	67.70	10.0	5.4	73.26	CARLSBERG RIDGE
#-2344	12/2	4	53	45.49	5.97	61.30	13.2	5.4	76.55	CARLSBERG RIDGE
#-2345	12/2	5	11	31.00	6.16	123.13	614.0	6.6	93.65	WSW OF SANGAY, PHILIPPINES
#-2346	12/2	12	58	12.81	-58.27	-8.80	35.0	4.9	22.98	EAST OF THE SOUTH SANDWICH ISLANDS
#-2347	12/3	0	27	4.43	-2.93	122.42	10.0	5.5	84.91	NNE OF UNAAHA, INDONESIA
#-2348	12/3	0	27	7.44	1.72	126.23	29.7	4.7	90.61	ENE OF BITUNG, INDONESIA
#-2349	12/3	9	38	36.68	-22.59	-70.31	55.8	5.2	75.57	SSW OF TOCOPILLA, CHILE
#-2350	12/3	12	59	27.93	-2.16	-76.77	153.4	5.3	96.92	ESE OF PALORA, ECUADOR
#-2351	12/4	2	19	6.54	-6.33	154.91	10.0	5.0	93.02	W OF PANGUNA, PAPUA NEW GUINEA
#-2352	12/4	10	53	30.11	-12.06	65.57	10.0	5.4	59.44	MID-INDIAN RIDGE
#-2353	12/4	18	45	14.60	-24.60	-177.07	109.5	5.4	82.80	SOUTH OF THE FIJI ISLANDS
#-2354	12/5	10	43	55.92	-6.84	128.32	251.5	5.1	83.37	BANDA SEA
#-2355	12/5	13	30	27.11	-55.43	-28.11	10.0	4.9	32.03	NNW OF VISOKOI ISLAND
#-2356	12/5	15	39	4.30	1.97	126.53	41.5	5.3	90.95	ENE OF BITUNG, INDONESIA
#-2357	12/6	10	20	1.52	23.36	100.53	10.0	5.6	102.32	SW OF WEIYUAN, CHINA
#-2358	12/6	22	5	10.73	-6.11	130.48	116.0	6.0	84.82	NNW OF SAUMLAKI, INDONESIA
#-2359	12/7	1	22	2.18	-6.51	154.46	23.0	6.6	92.70	W OF PANGUNA, PAPUA NEW GUINEA
#-2360	12/7	3	30	1.80	-6.46	154.26	10.0	5.6	92.68	W OF PANGUNA, PAPUA NEW GUINEA
#-2361	12/7	4	44	39.65	-6.46	154.24	10.0	4.9	92.68	W OF PANGUNA, PAPUA NEW GUINEA
#-2362	12/7	17	55	28.76	-6.48	154.31	10.0	5.4	92.68	W OF PANGUNA, PAPUA NEW GUINEA
#-2363	12/7	21	16	35.74	13.67	-91.47	32.0	6.1	116.53	SSW OF NUEVA CONCEPCION, GUATEMALA
#-2364	12/8	8	54	52.52	7.94	-82.69	20.0	6.6	108.38	ESE OF PUNTA DE BURICA, PANAMA
#-2365	12/8	9	52	4.22	50.32	158.08	47.1	5.6	146.06	ESE OF SEVERO-KURIL'SK, RUSSIA
#-2366	12/9	0	54	2.21	-58.04	-147.54	10.0	4.8	52.86	PACIFIC-ANTARCTIC RIDGE
#-2367	12/9	1	31	7.83	-34.56	-108.87	15.1	5.1	73.76	SOUTHERN EAST PACIFIC RISE
#-2368	12/9	2	1	27.90	-6.37	154.34	10.0	5.1	92.79	W OF PANGUNA, PAPUA NEW GUINEA
#-2369	12/9	2	33	32.13	-6.44	154.40	7.0	5.4	92.75	W OF PANGUNA, PAPUA NEW GUINEA
#-2370	12/9	3	9	22.52	1.54	126.23	40.7	5.7	90.44	E OF BITUNG, INDONESIA
#-2371	12/9	5	18	28.56	-49.76	122.69	10.0	5.1	42.42	WESTERN INDIAN-ANTARCTIC RIDGE
#-2372	12/9	19	23	36.40	-58.99	-25.60	50.8	5.1	28.44	E OF BRISTOL ISLAND, SOUTH SANDWICH ISLANDS
#-2373	12/10	9	4	57.83	-5.51	152.95	35.0	4.7	93.16	S OF TARON, PAPUA NEW GUINEA
#-2374	12/10	21	3	39.26	25.54	122.45	256.0	6.1	111.45	ENE OF KEELUNG, TAIWAN
#-2375	12/11	2	43	36.15	-21.19	-173.40	42.0	4.8	86.82	E OF `OHONUA, TONGA
#-2376	12/11	10	41	9.86	-56.83	-25.44	15.2	4.9	30.00	E OF VISOKOI ISLAND

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2377	12/11	13	53	29.35	-56.75	-25.42	10.0	5.5	30.05	E OF VISOKOI ISLAND
#-2378	12/11	22	27	45.01	-20.93	-178.91	603.5	5.0	86.01	SW OF NDOI ISLAND, FIJI
#-2379	12/12	8	2	6.51	-46.97	165.90	10.0	5.2	57.61	WSW OF RIVERTON, NEW ZEALAND
#-2380	12/12	12	31	52.12	44.57	149.28	41.0	5.0	138.04	ESE OF KURIL'SK, RUSSIA
#-2381	12/12	12	35	30.65	-19.92	-70.93	20.0	5.1	78.28	WNW OF IQUIQUE, CHILE
#-2382	12/12	20	22	35.35	-18.90	-176.44	316.4	5.8	88.49	WNW OF PANGAI, TONGA
#-2383	12/13	19	24	59.74	-56.76	-150.52	10.0	5.0	54.04	PACIFIC-ANTARCTIC RIDGE
#-2384	12/14	7	14	8.68	-30.55	-178.10	34.6	5.2	76.79	NE OF L'ESPERANCE ROCK, NEW ZEALAND
#-2385	12/14	12	41	54.27	-20.83	-176.70	247.0	5.3	86.55	WNW OF HAVELU, TONGA
#-2386	12/14	14	14	36.13	1.80	126.26	35.0	4.8	90.70	ENE OF BITUNG, INDONESIA
#-2387	12/16	4	43	47.26	-20.47	-68.97	104.2	4.7	77.12	ESE OF IQUIQUE, CHILE
#-2388	12/16	10	45	24.49	-56.74	-150.50	0.0	5.3	54.06	PACIFIC-ANTARCTIC RIDGE
#-2389	12/16	11	36	34.05	-10.90	165.97	55.6	5.2	92.00	SE OF LATA, SOLOMON ISLANDS
#-2390	12/17	6	10	5.70	-3.83	100.14	10.0	5.9	76.41	W OF BENGKULU, INDONESIA
#-2391	12/17	8	28	46.56	-30.51	-177.70	10.0	4.8	76.90	S OF RAOUL ISLAND, NEW ZEALAND
#-2392	12/17	9	46	58.59	-5.52	151.39	74.7	5.3	92.63	E OF KIMBE, PAPUA NEW GUINEA
#-2393	12/17	13	5	18.19	-7.27	155.00	10.0	5.1	92.15	SSW OF PANGUNA, PAPUA NEW GUINEA
#-2394	12/17	13	58	50.39	64.59	-17.76	8.2	5.3	139.38	S OF AKUREYRI, ICELAND
#-2395	12/18	7	47	45.60	-19.59	-175.49	197.7	5.2	88.00	W OF PANGAI, TONGA
#-2396	12/18	15	32	12.95	27.74	86.37	33.6	5.0	102.70	SSE OF ZUOBUDE, CHINA
#-2397	12/18	18	55	50.27	-34.62	-178.52	39.3	4.7	72.74	SOUTH OF THE KERMADEC ISLANDS
#-2398	12/18	20	10	53.41	-56.63	-25.37	10.0	5.5	30.13	E OF VISOKOI ISLAND
#-2399	12/18	22	36	5.47	-15.02	167.01	36.2	4.9	88.34	NW OF PORT-OLRY, VANUATU
#-2400	12/19	12	51	20.99	-38.37	178.05	34.6	5.1	68.44	N OF GISBORNE, NEW ZEALAND
#-2401	12/19	19	49	30.08	16.20	-61.81	118.1	5.6	108.96	SSW OF POINTE-NOIRE, GUADELOUPE
#-2402	12/19	22	58	32.69	-49.40	175.27	11.5	4.7	57.29	W OF ANTIPODES ISLAND, NEW ZEALAND
#-2403	12/20	9	29	57.49	37.40	141.55	31.3	5.9	128.97	E OF NAMIE, JAPAN
#-2404	12/20	18	43	1.24	-6.13	102.18	12.7	5.0	74.91	SW OF KURIPAN, INDONESIA
#-2405	12/21	0	25	20.50	11.45	125.94	12.0	5.4	99.59	ENE OF HERNANI, PHILIPPINES
#-2406	12/21	2	57	38.13	50.96	-130.19	10.0	5.2	161.23	SW OF BELLA BELLA, CANADA
#-2407	12/21	10	0	9.08	11.58	125.98	10.0	5.2	99.72	NE OF HERNANI, PHILIPPINES
#-2408	12/21	11	34	13.57	2.09	126.65	41.0	6.3	91.11	WNW OF TOBELO, INDONESIA
#-2409	12/21	12	36	56.00	-35.74	-71.70	83.1	4.7	63.74	NW OF LINARES, CHILE
#-2410	12/21	13	29	57.12	2.04	126.60	56.9	5.2	91.04	WNW OF TOBELO, INDONESIA
#-2411	12/21	13	40	41.64	2.06	126.58	48.5	5.2	91.05	WNW OF TOBELO, INDONESIA
#-2412	12/21	14	18	41.35	2.12	126.62	53.1	5.2	91.13	WNW OF TOBELO, INDONESIA

Table 2. Continued.

No.	Date	Origin time UTC			Geographic Coordinates Latitude	Longitude	Dep	Mag	Epicentral distance	Region
		h	m	s	(deg)	(deg)	(km)	Mb	(deg)	
#-2413	12/21	21	13	52.79	19.20	145.77	135.8	5.0	113.87	NNE OF AGRIHAN, NORTHERN MARIANA ISL.
#-2414	12/22	7	19	41.23	-54.11	-146.09	14.0	5.8	56.83	PACIFIC-ANTARCTIC RIDGE
#-2415	12/22	13	0	13.58	-7.09	129.10	180.7	5.0	83.42	WNW OF SAUMLAKI, INDONESIA
#-2416	12/22	22	38	57.22	-7.36	155.87	57.5	5.1	92.34	SW OF CHIROVANGA, SOLOMON ISLANDS
#-2417	12/22	22	39	39.66	-7.36	155.83	69.5	5.1	92.34	SW OF CHIROVANGA, SOLOMON ISLANDS
#-2418	12/23	15	40	23.92	-6.91	125.01	546.3	4.8	82.12	NNW OF DILI, EAST TIMOR
#-2419	12/23	19	18	52.34	-55.97	-28.12	119.5	4.8	31.61	NW OF VISOKOI ISLAND
#-2420	12/24	1	19	38.84	-56.30	147.26	10.0	5.5	44.40	WEST OF MACQUARIE ISLAND
#-2421	12/24	1	58	1.74	-56.39	147.34	4.0	5.9	44.34	WEST OF MACQUARIE ISLAND
#-2422	12/24	6	2	5.30	-4.05	134.92	10.0	5.3	88.33	SW OF NABIRE, INDONESIA
#-2423	12/24	8	44	35.12	-25.85	-179.84	468.9	5.0	81.02	SOUTH OF THE FIJI ISLANDS
#-2424	12/24	21	34	5.97	-6.22	131.14	49.0	5.2	84.95	WSW OF TUAL, INDONESIA
#-2425	12/25	8	12	14.23	-24.29	179.97	520.9	4.8	82.51	SOUTH OF THE FIJI ISLANDS
#-2426	12/26	13	0	9.40	6.94	94.82	35.0	4.8	85.01	NNW OF SABANG, INDONESIA
#-2427	12/27	12	6	27.57	-56.76	-150.59	10.0	5.3	54.04	PACIFIC-ANTARCTIC RIDGE
#-2428	12/27	18	35	51.11	-12.05	-72.37	41.4	4.8	86.15	E OF PANGOA, PERU
#-2429	12/27	18	53	47.21	-17.93	-179.49	621.8	5.5	88.82	SE OF LAMBASA, FIJI
#-2430	12/28	5	5	13.89	-56.33	-27.09	113.0	5.0	30.97	N OF VISOKOI ISLAND
#-2431	12/28	18	14	23.92	-19.84	-68.84	112.1	4.8	77.67	ENE OF IQUIQUE, CHILE
#-2432	12/29	9	29	37.39	8.63	121.52	8.0	6.1	95.39	SSE OF CAGAYANCILLO, PHILIPPINES
#-2433	12/29	17	41	49.47	-56.66	-24.85	19.0	5.6	29.92	E OF VISOKOI ISLAND
#-2434	12/29	23	37	59.07	-20.58	-177.65	503.6	5.0	86.61	E OF NDOI ISLAND, FIJI
#-2435	12/30	11	3	36.93	-56.88	-150.63	10.0	5.2	53.91	PACIFIC-ANTARCTIC RIDGE
#-2436	12/30	17	57	26.58	-26.08	179.56	469.4	4.8	80.68	SOUTH OF THE FIJI ISLANDS
#-2437	12/30	21	17	23.92	-20.33	-178.56	599.3	6.0	86.67	NNE OF NDOI ISLAND, FIJI
#-2438	12/31	0	6	9.94	-20.31	-178.55	605.8	5.4	86.69	NNE OF NDOI ISLAND, FIJI
#-2439	12/31	1	37	33.93	-4.44	144.00	123.0	5.8	91.15	S OF ANGORAM, PAPUA NEW GUINEA
#-2440	12/31	2	59	5.66	-20.36	-178.51	589.5	4.7	86.65	NNE OF NDOI ISLAND, FIJI
#-2441	12/31	19	47	36.01	-10.03	33.86	14.9	5.1	59.08	SW OF KARONGA, MALAWI
#-2442	12/31	21	17	4.37	-17.70	-178.77	575.2	5.0	89.19	SE OF LAMBASA, FIJI