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SEISMOLOGICAL BULLETIN

COAST & GEODETIC SURVEY
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September, 1960

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U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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March 4, 2011

1960

The instrumental results of the following stations are tabulated in this report.

**Balboa Heights, C. Z. (BHP)
The Panama Canal Co.
*Boulder City, Nev. (BCN)
Bureau of Reclamation
*Bozeman, Mont. BOZ)
Montana State College
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL)
*Columbia, S. C. (CSC)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
*Flaming Gorge, Utah (FGU)
Bureau of Reclamation
*Glen Canyon, Ariz. (GCA)
Bureau of Reclamation
Guam, M. I. (GUA)
Honolulu, Hawaii (HON)
*Hungry Horse, Mont. (HHM)
Bureau of Reclamation
Kipapa, Hawaii (KIP)
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHI)
The Franklin Institute
**Rapid City, S. D. (RCD)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJP)
Sitka, Alaska (SIT)
*Thule, Greenland (THU)
U. S. Army Ionosphere Station
Tucson, Ariz. (TUC)
Tucson, Ariz. Telemeter (TUT)
Ukiah, Calif. (UKI)
International Latitude Observatory
Washington, D. C. (WAS)

*Indicates a station maintained by a local institution in cooperation with the Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the Coast and Geodetic Survey.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights. Beginning January 1, 1959 the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States. The horizontal instruments will continue in operation and the seismograms for the local and regional earthquake will be scaled and the data published.

All magnitude determinations are by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the bulletin.

All coordinates of epicenters, origin times and focal depths have been calculated with the use of an electionic computer. The epicenters quoted in this Bulletin are those previously reported on the Preliminary Determination of epicenter cards with some refinement and minor additions.

All seismograms are on file in the Coast and Geodetic Survey, except those from Balboa Heights, which may be obtained on loan by addressing the Seismograph Station Director, Meteorological and Hydrographic Office, Panama Canal Company, Balboa Heights, Canal Zone.

Date 1960	Origin Time G. C. T.			Lat.	Long.	Region, Focal Depth and Remarks
Sept.	h	m	s	°	°	
1	05	59	55.2	7.0 N.	77.3 W.	Panama-Colombia border. h about 56 km.
1	07	35	21.9	27.8 S.	176.9 W.	Tonga Islands region. h about 500 km.
1	09	28	16.0	16.6 S.	167.5 E.	New Hebrides Islands. Felt on Santo. h about 28 km. Mag 6.
1	10	35	01.1	16.6 S.	167.6 E.	New Hebrides Islands. h about 27 km. Mag. 6.
1	11	14	59.6	16.7 S.	167.4 E.	New Hebrides Islands. h about 35 km.
1	11	57	59.3	27.9 S.	176.2 W.	Kermadec Islands region. h about 92 km.
1	15	37	14.4	56.3 N.	153.7 W.	Kodiak Island, Alaska. h about 24 km. Mag. 6-6¼.
1	15	40	41.8	56.4 N.	153.5 W.	Kodiak Island, Alaska. h about 45 km.
1	18	41	14.4	16.0 S.	179.1 W.	Fiji Islands. h about 31 km.
1	20	01	57.2	15.9 S.	178.9 W.	Fiji Islands. h about 25 km. Mag. 5½ (Pal).
2	07	37	37.0	37.7 S.	73.5 W.	Near coast of central Chile. h about 41 km.
2	10	52	17.9	15.3 S.	167.4 E.	New Hebrides Islands. Felt on Santo. h about 160 km.
2	13	46	07.8	29.0 N.	98.3 E.	Tibet. h about 98 km.
2	15	40	42.7	56.6 N.	153.1 W.	Kodiak Island, Alaska. h about 43 km.
2	18	32	34.5	32.1 S.	69.4 W.	San Juan Province, Argentina. h about 149 km.
2	22	02	48.9	52.2 N.	171.4 W.	Fox Islands, Aleutian Islands. h about 49 km. Mag. 5¾-6.
3	00	19	24.1	43.1 N.	144.8 E.	Near north coast of Hokkaido, Japan. Felt on Hokkaido. h about 92 km.
3	05	41	39.9	21.0 S.	174.4 W.	Tonga Islands. h about 61 km. Mag. 5½ (Pal).
3	07	46	53.5	19.1 S.	169.1 E.	New Hebrides Islands. h about 212 km.
3	12	41	34.9	6.1 S.	154.5 E.	Solomon Islands. Felt at Karoola and Rabaul. h about 457 km. Mag. 6½-6¾.
3	13	22	51.9	41.1 N.	142.3 E.	Near north coast of Honshu, Japan. Felt on Honshu and Hokkaido. h about 61 km.
3	15	05	50.6	16.1 S.	172.7 W.	Samoa Islands. h about 25 km.
3	15	17	29.4	20.2 S.	178.6 W.	Fiji Islands. h about 614 km.
3	15	47	12.3	34.7 S.	179.7 W.	Kermadec Islands region. h about 79 km.
3	20	41	08.6	48.5 S.	126.3 E.	South of Australia. h about 30 km.
3	22	32	38.3	51.9 N.	171.5 W.	Fox Islands, Aleutian Islands. h about 56 km.
3	23	46	23.9	44.8 N.	149.1 E.	Kurile Islands. h about 27 km. Mag. 6¼.
4	02	39	03.6	21.6 S.	170.4 E.	Loyalty Islands. h about 60 km.
4	05	21	22.1	56.5 N.	153.1 W.	Kodiak Island. h about 48 km. Mag. 4¾-5 (Pal).
4	12	59	38.7	5.8 N.	125.1 E.	Near Coast of Mindanao, Philippine Islands. Felt at General Santos. h about 204 km.
5	04	36	29.9	36.4 N.	70.3 E.	Hindu Kush. h about 220 km.
5	05	51	29.2	20.8 S.	173.5 W.	Tonga Islands. h about 25 km.
5	07	42	52.5	52.0 N.	174.6 W.	Andreanof Islands, Aleutian Islands. h about 62 km.
5	09	41	50.2	49.0 S.	120.9 E.	South of Australia. h about 25 km.

Date 1960	Origin Time G. C. T.			Lat.	Long.	Region, Focal Depth and Remarks
Sept.	h	m	s	°	°	
5	18	04	44.1	6.6 S.	129.4 E.	Banda Sea. h about 132 km.
6	09	58	32.3	34.2 S.	179.2 W.	Kermadec Islands region. h about 117 km.
6	11	15	18.5	36.8 S.	179.3 E.	North of North Island, New Zealand. h about 25 km.
6	12	35	16.1	4.9 S.	141.1 E.	Near north coast of New Guinea. h about 38 km.
6	14	03	01.8	20.5 S.	169.4 E.	Loyalty Islands. h about 35 km. Mag. 6¼-6½.
6	15	24	40.1	42.1 N.	142.5 E.	Near south coast of Hokkaido, Japan. Felt on Hokkaido and Honshu. h about 102 km.
6	16	29	03.3	7.2 S.	129.0 E.	Banda Sea. h about 84 km.
6	21	24	26.4	64.8 N.	86.4 W.	Southampton Island region. h about 25 km.
7	01	17	39.1	37.4 S.	16.1 W.	Tristan da Cunha region. h about 25 km. Mag. 5¼ (Pal).
7	03	51	52.0	0.0	125.0 E.	Northern Celebes. h about 68 km.
7	11	44	58.4	44.6 N.	149.1 E.	Kurile Islands. h about 65 km. Mag. 5 (Pal).
8	08	10	46.8	51.3 N.	171.4 W.	Fox Islands, Aleutian Islands. h about 83 km.
8	10	48	08.0	40.0 N.	30.1 W.	Azores. h about 39 km.
8	11	07	40.8	6.2 N.	126.2 E.	Near east coast of Mindanao, Philippine Islands. Felt at Mambajao, General Santos and Hinatuan. h about 47 km. Mag. 5½ (Pal)
8	12	32	25.9	18.5 S.	177.6 E.	Fiji Islands. h about 79 km.
8	14	32	00.3	52.1 N.	158.8 E.	Kamchatka. h about 29 km.
8	17	02	43.4	5.9 N.	126.3 E.	Near south coast of Mindanao, Philippine Islands. h about 312 km.
8	18	41	41.0	37.4 N.	118.2 W.	Inyo County, California. h about 27 km. Mag 4.
8	23	12	38.8	44.7 N.	149.5 E.	Kurile Islands. h about 72 km.
9	08	32	31.6	13.3 N.	146.2 E.	Mariana Islands. h about 35 km.
9	10	05	21.9	36.6 N.	71.6 E.	Hindu Kush. h about 236 km.
9	10	42	09.8	51.5 N.	174.7 W.	Andreanof Islands, Aleutian Islands. h about 22 km.
9	16	19	19.9	71.9 N.	0.3 W.	Jan Mayen Island region. h about 25 km. Mag. 4¾ (Pal).
9	17	47	18.4	43.0 S.	74.9 W.	Near coast of southern Chile. h about 57 km.
9	19	12	02.0	43.6 N.	146.9 E.	Kurile Islands. h about 16 km.
9	19	36	51.1	72.4 N.	2.0 E.	Jan Mayen Island region. h about 17 km.
9	20	04	32.7	71.7 N.	1.3 W.	Jan Mayen Island region. h about 23 km. Mag. 4¾ (Pal).
10	00	19	09.0	34.1°N.	26.1 E.	Crete. h about 20 km.
10	10	44	47.0	4.1 N.	122.7 E.	Celebes Sea. h about 568 km.
10	14	04	31.9	11.3 S.	163.1 E.	Solomon Islands. h about 48 km.
10	15	06	32.5	47.7 N.	122.7 W.	Near Seattle, Washington. Felt in western Washington. h about 25 km.
10	15	45	21.2	6.9 N.	94.7 E.	Nicobar Islands. h about 25 km.

Date 1960	Origin Time G. C. T.			Lat.	Long.	Region, Focal Depth and Remarks
	h	m	s	°	°	
Sept. 11	07	55	54.5	39.0°S.	74.8 W.	Off coast of Chile. h about 25 km.
11	10	51	42.0	33.7 S.	178.4 W.	Kermadec Islands region. h about 21 km.
11	21	55	51.0	58.7 S.	24.4 W.	Sandwich Islands. h about 69 km.
12	02	44	39.7	60.5 N.	153.8 W.	Southern Alaska. Felt at Anchorage and Homer. h about 195 km.
12	03	40	57.5	39.1 N.	111.7 W.	Central Utah. h about 25 km.
12	12	17	08.1	27.5 N.	128.4 E.	Ryukyu Islands. h about 48 km. Mag. 6½-6¾.
12	14	46	19.6	2.8 N.	99.0 E.	Near coast of Sumatra. h about 164 km.
12	16	02	05.8	7.0 S.	117.0 E.	Java Sea. h about 611 km.
12	22	34	22.5	5.5 S.	130.5 E.	Banda Sea. h about 57 km.
13	03	09	09.7	27.2 N.	140.2 E.	Bonin Islands region. h about 439 km.
13	17	51	08.9	13.8 N.	90.5 W.	Guatemala. Felt at San Salvador. h about 104. Mag 4¼ (Pal).
13	21	55	34.1	5.0 S.	74.5 W.	Near coast of Peru. h about 119 km.
14	00	08	03.0	15.2 S.	76.2°W.	Near coast of Peru. h about 91 km.
14	00	34	25.3	17.0°N.	122.3 E.	Luzon, Philippine Islands. h about 50 km.
14	01	53	21.6	19.7 N.	70.2 W.	Dominican Republic. h about 15 km. Mag. 4½ (Pal).
14	03	49	48.8	30.2 N.	138.1 E.	South of Honshu, Japan. h about 498 km.
14	04	57	12.5	35.1 S.	106.0 W.	South Pacific Ocean. h about 40 km. Mag 5½ (Pal).
14	12	58	52.6	36.6 N.	57.7 E.	Northeastern Iran. h about 34 km.
14	15	59	01.7	6.5 S.	155.1 E.	Solomon Islands. h about 100 km.
14	16	24	12.8	17.6 S.	178.9 W.	Fiji Islands region. h about 562 km.
14	23	18	35.1	21.0 S.	174.1 W.	Tonga Islands. h about 25 km. Mag. 5¼ (Pal).
15	03	31	17.5	16.6°S.	167.3 E.	New Hebrides Islands. Felt at Lamap and Erromango. h about 69 km. Mag. 5¼ (Pal)
15	05	02	56.3	46.4 N.	93.9 E.	Sinkiang, China. h about 25 km.
15	17	57	42.7	21.5 N.	142.9 E.	Volcano Islands region. h about 361 km.
16	01	27	50.1	34.8 N.	28.6 E.	East of Crete. h about 30 km.
16	01	38	58.6	38.6 N.	68.6 E.	Tadzhik SSR. h about 45 km.
16	19	08	38.4	11.8 S.	166.6 E.	Santa Cruz Islands. h about 132 km.
16	21	30	08.6	10.6 S.	161.9 E.	Solomon Islands. h about 98 km.
17	07	12	48.1	17.5 S.	167.4 E.	New Hebrides Islands. h about 23 km.
17	07	52	50.8	49.5 N.	155.4 E.	Kurile Islands. h about 35 km.
17	08	05	29.5	49.6 N.	155.2 E.	Kurile Islands. h about 28 km. Mag. 6.
17	12	58	56.4	6.3 S.	154.4 E.	Solomon Islands. h about 134 km.
17	15	12	18.4	3.6 S.	149.5 E.	Bismarck Sea. h about 220 km.
17	15	54	38.1	6.3 S.	148.8 E.	New Britain. h about 79 km.
17	19	56	11.1	21.0 S.	174.5 W.	Tonga Islands. h about 28 km. Mag 6.

Date 1960	Origin Time G. C. T. h m s	Lat	Long.	Region, Focal Depth and Remarks
Sept. 18	09 40 28.3	6.8 S.	129.2 E.	Banda Sea. h about 83 km. Mag. 5¼ (Pal).
18	14 03 56.4	6.9 N.	73.1 W.	Colombia-Venezuela border. h about 177 km.
18	19 26 30.9	51.7 N.	170.1 W.	Fox Islands, Aleutian Islands. h about 92 km.
19	02 01 53.0	20.6 S.	65.4 W.	Southern Bolivia. h about 118 km.
19	03 39 37.6	15.8 N.	119.4 E.	Luzon, Philippine Islands. h about 74 km.
19	03 58 51.4	15.6 N.	120.0 E.	Near west coast of Luzon, Philippine Islands. h about 25 km. Mag 5½ (Pal).
19	04 46 21.3	28.9 N.	113.6 W.	Gulf of California. h about 44 km.
19	12 41 35.9	37.6 S.	176.0 E.	Off north coast of North Island, New Zealand. h about 310 km.
19	16 46 05.4	11.6 S.	166.1 E.	Santa Cruz Islands. h about 232 km.
19	18 58 26.9	7.0 N.	77.2 W.	Colombia-Panama border. h about 60 km.
19	19 01 25.4	6.9 N.	77.5 W.	Colombia-Panama border. Felt in Canal Zone. h about 66 km. Mag. 6.
20	00 41 34.5	29.9 S.	177.0 W.	Kermadec Islands. h about 16 km.
20	03 05 05.8	37.3 S.	176.7 E.	Off north coast of North Island, New Zealand. h about 228 km.
20	03 35 34.6	28.4 S.	177.9 W.	Kermadec Islands. h about 47 km. Mag 5¼ (Pal).
20	04 05 56.9	50.1 N.	88.4 E.	USSR - Outer Mongolia border. h about 29 km.
20	10 28 35.9	53.1 N.	160.4 E.	Off southeast coast of Kamchatka. h about 30 km.
21	02 48 44.5	8.2 S.	149.4 E.	Eastern New Guinea. h about 115 km.
21	03 44 21.1	10.4 N.	88.6 W.	Off coast of El Salvador. Slight damage at San Salvador. h about 60 km.
21	07 25 26.5	28.1 S.	177.8 W.	Kermadec Islands. h about 249 km.
21	10 38 31.0	53.6 N.	166.1 W.	Fox Islands, Aleutian Islands. h about 38 km.
21	16 08 14.7	26.7 N.	124.8 E.	East China Sea. h about 207 km.
21	23 05 03.8	31.8 N.	50.5 E.	Iran. h about 65 km.
22	02 08 07.5	54.9 N.	163.6 E.	Near east coast of Kamchatka. h about 60 km.
22	05 38 14.4	3.4 S.	29.1 E.	Congo. Damage at Usumbura and Uvira. h about 29 km. Mag 5½-5¾ (Pal).
22	09 05 36.8	3.3 S.	29.3 E.	Congo. h about 28 km. Mag. 6¼-6½ (Pal).
22	09 14 58.0	2.8 S.	29.8 E.	Congo. h about 20 km.
22	15 11 46.4	7.2 N.	77.2 W.	Near north coast of Colombia. h about 56 km.
22	22 47 00.6	51.7 N.	168.8 W.	Fox Islands, Aleutian Islands. h about 33 km.
23	00 20 33.6	20.3 N.	56.7 W.	Atlantic Ocean. h about 17 km. Mag 4 (Pal).
23	01 18 32.0	13.3 S.	167.4 E.	New Hebrides Islands. h about 63 km.
23	02 27 01.4	7.6 N.	77.4 W.	Colombia-Panama border. h about 63 km.
23	05 20 26.6	27.8 N.	96.2 E.	India-Burma border. h about 81 km.
23	06 12 57.1	27.4 S.	179.9 W.	Kermadec Islands. h about 329 km.

Date 1960	Origin Time G. C. T. h m s	Lat.	Long.	Region, Focal Depth and Remarks
Sept. 23	15 55 46.2	23.8 S.	179.5 W.	Tonga Islands. h about 473 km.
23	20 17 47.1	35.3 N.	24.9 E.	Crete. h about 118 km.
23	21 20 02.7	6.1 S.	148.6 E.	Near Coast of New Guinea. h about 54 km.
23	23 02 24.3	22.3 S.	174.8 W.	Tonga Islands. h about 39 km. Mag. 5¾ (Pal).
23	23 16 57.5	31.2 S.	68.7 W.	La Rioja Province, Argentina. h about 104 km.
24	09 15 11.4	11.1 S.	163.2 E.	Solomon Islands. h about 36 km.
24	11 06 39.2	41.8 S.	179.3 W.	North Island, New Zealand region. h about 43 km.
24	13 51 42.8	12.2 S.	166.5 E.	Santa Cruz Islands. h about 161 km.
24	13 58 33.6	3.0 S.	75.9 W.	Northern Peru. h about 146 km.
24	14 16 52.4	15.2 S.	176.1 W.	Tonga Islands. h about 92 km.
24	23 24 13.6	55.6 N.	161.4 E.	Kamchatka. h about 250 km.
25	07 40 48.2	27.2 N.	129.8 E.	Ryukyu Islands. h about 101 km.
25	08 36 27.6	28.4 N.	53.2 E.	Southern Iran. h about 53 km.
25	15 39 27.4	17.4 S.	173.4 W.	Tonga Islands region. h about 132 km.
25	17 30 27.7	18.6 N.	145.5 E.	Mariana Islands. h about 215 km.
26	00 32 19.6	27.6 S.	69.0 W.	Catamarca Province, Argentina. h about 146 km.
26	08 49 31.3	52.2 N.	159.8 E.	Off southeast coast of Kamchatka. h about 23 km.
26	11 36 21.7	32.6 N.	131.7 E.	Near Coast of Kyushu, Japan. h about 15 km.
26	15 13 25.8	51.8 N.	172.2 W.	Fox Islands, Aleutian Islands. h about 44 Km. Mag. 5 (Pal).
26	16 58 13.9	16.0 S.	72.9 W.	Southern Peru. Felt at Arequipa. h about 115 km.
26	21 10 13.6	15.7 S.	173.4 W.	Samoa Islands region. h about 25 km.
27	02 13 50.6	44.8 S.	73.6 W.	Coast of southern Chile. h about 59 km.
27	05 51 26.9	51.7 N.	177.8 E.	Rat Islands, Aleutian Islands. h about 102 km.
27	07 17 55.1	00.9 S.	134.5 E.	Western New Guinea. h about 107 km.
27	16 06 13.6	29.9 N.	130.6 E.	South of Kyushu, Japan. h about 65 km.
27	18 35 52.2	14.5 N.	145.8 E.	Mariana Islands. h about 109 km.
28	00 05 28.9	16.6 S.	73.9 W.	Near Coast of southern Peru. h about 112 km.
28	05 29 32.1	32.5 N.	95.8 E.	Western China. h about 18 km. Mag. 5 (Pal).
28	06 26 15.6	31.0 N.	116.6°W.	Baja California. h about 25 km. Mag. 3.9.
28	08 04 35.8	39.2 S.	73.8 W.	Near coast of southern Chile. h about 60 km.
28	17 34 50.6	18.1 S.	178.4 W.	Fiji Islands. h about 592 km.
29	06 27 56.3	17.4 S.	68.5 W.	Peru-Bolivia border. Felt at Arequipa, Peru. h about 115 km.
29	11 18 52.9	19.0 N.	144.7 E.	Mariana Islands. h about 469 km. Mag. 6¼-6½.
29	18 54 27.2	15.3 N.	90.0 W.	Guatemala. Felt in El Salvador. h about 86 km. Mag. 4¾-5 (Pal).
29	22 12 28.1	32.4 S.	70.3 W.	Central Chile. Felt at Santiago. h about 95 km.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
Sept.	h m s			
30	01 38 41.9	21.1 S.	174.6 W.	Tonga Islands. h about 25 km.
30	02 20 46.2	27.0 N.	127.7 E.	Ryukyu Islands. h about 87 km.
30	03 20 14.9	49.4 N.	129.6 W.	Off coast of Vancouver Island. h about 25 km.
30	06 35 08.9	49.4 N.	129.7 W.	Vancouver Island region. h about 55 km. Mag. 5¼ (Pal).
30	07 37 05.3	41.6 S.	73.5 W.	Southern Chile. h about 53 km.
30	21 04 24.7	11.2 S.	162.9 E.	Solomon Islands. h about 31 km.

Date and Station		Phase (GCT)
Sept. 1		h m s
FGU	eP	03 03 40
Sept. 1		
COL	iP	04 01 06
FGU	e(P)	04 00 58
Sept. 1		
COL	iP	04 18 15
EUR	iP	04 21 46
Sept. 1		
EUR	e(P)	04 25 23
Sept. 1		
FGU	e(P)	05 07 05
	e	09 41
Sept. 1		
COL	eP	05 16 01
Sept. 1		
EUR	eP	05 39 10
FGU	eP	05 38 37
HHM	eP	05 38 35
	eL	39 42
Sept. 1		
COL	iP	05 41 29
Sept. 1		
BHP	iP	06 00 40
	iS	01 19
COL	eP	06 11 32
EUR	iP	06 08 27
FGU	iP	06 08 02
GCA	eP	06 07 44
HHM	iP	06 08 58
RCD	iP	06 07 53
SJP	e(P)	06 03 27
	iP	03 37
TUC	iP	06 07 28
TUT	iP	06 07 29
Sept. 1		
FGU	eP	07 08 35
HHM	iP	07 09 36
Sept. 1		
BCN	eP	07 35 50
	i	35 59
	iS	36 35
	eL	36 56
EUR	iP	07 36 30

Date and Station		Phase (GCT)
		h m s
FGU	eP	07 40 07
GCA	eP	07 36 42
	i	37 58
Sept. 1		
BCN	eP	07 47 16
BUT	eP	07 47 56
COL	iP	07 47 54
	ipP	49 30
EUR	iP	07 47 21
	ipP	48 58
	e	51 07
FGU	eP	07 48 13
	e	49 19
GCA	eP	07 47 28
HHM	eP	07 47 53
	epP	49 27
RCD	eP	07 48 10
	ipP	49 46
TUC	iP	07 47 17
	ipP	48 54
	eL	08 21 30
TUT	eP	07 47 17
	iP	47 18
	ipP	48 54
Sept. 1		
COL	iP	08 11 49
Sept. 1		
BCN	eP	09 41 17
COL	eP	09 41 03
	eS	51 36
EUR	eP	09 41 19
	i	41 59
	ePP	44 41
FGU	eP	09 41 41
GUA	eP	09 35 32
TUC	eP	09 41 27
	eL	10 10 10
TUT	eP	09 41 26
Sept. 1		
COL	eP	10 04 37
EUR	eP	10 05 02
FGU	eP	10 04 29
HHM	iP	10 04 14

Date and Station		Phase (GCT)
Sept. 1		h m s
COL	eP	10 11 42
Sept. 1		
BCN	eP	10 48 01
COL	iP	10 47 51
	eS	58 39
EUR	iP	10 48 05
	i	49 11
	ePP	51 38
	ePKKP	11 06 04
FGU	eP	10 48 35
TUC	eP	10 48 13
TUT	iP	10 48 13
Sept. 1		
BCN	e(P)	11 28 11
COL	eP	11 27 37
EUR	eP	11 28 00
	ePP	31 45
FGU	eP	11 28 39
	ePP	32 25
Sept. 1		
COL	eP	11 54 26
Sept. 1		
COL	iP	12 11 12
EUR	iP	12 10 39
	i	10 49
FGU	eP	12 11 03
TUC	eP	12 10 35
TUT	eP	12 10 35
Sept. 1		
EUR	eP	12 54 34
Sept. 1		
EUR	iP	13 26 44
	eL	27 31
FGU	iP	13 26 38
	iL	27 09
Sept. 1		
BCN	eP	15 43 53
BOZ	eP	15 43 12
	eS	48 14
	eL	56 38
BUT	eP	15 43 03
	e	47 34
COL	iP	15 39 25
	iS	41 33
EUR	iP	15 43 23

Date and Station		Phase (GCT)
		h m s
FGU	iP	15 43 46
	eS	49 01
	eL	54 14
GCA	iP	15 44 01
	i	44 49
HON	eP	15 44 20
	e	49 02
	eS	50 02
	eT	16 20 35
HHM	iP	15 42 41
	i	49 38
KIP	eP	15 44 18
	i	45 23
	eT	16 20 23
	eT	23 54
RCD	iP	15 43 58
SLC	eP	15 43 35
SJP	eP	15 48 51
SIT	eP	15 39 40
	iS	41 24
	iL	42 40
TUC	eP	15 44 35
	ePP	46 04
	eL	53 10
	iL	55 42
UKI	eP	15 42 51
	i	42 56
Sept. 1		
FGU	iP	15 47 20
HHM	iP	15 46 07
UKI	iP	15 46 15
Sept. 1		
BCN	eP	16 32 37
COL	eP	16 28 12
HHM	eP	16 31 34
Sept. 1		
BCN	eP	16 35 03
COL	iP	16 30 38
HHM	eP	16 33 52
RCD	eP	16 35 09
Sept. 1		
COL	eP	17 46 47
Sept. 1		
BCN	eP	18 53 23
BUT	eP	18 53 55

Date and Station	Phase	Phase (GCT) h m s
COL	iP	18 53 43
EUR	iP	18 53 27
	i	53 34
	ePP	56 30
FGU	iP	18 53 55
	ePP	57 04
GCA	iP	18 53 39
GUA	iP	18 49 41
HHM	eP	18 53 54
SLC	eP	18 53 46
TUC	iP	18 53 31
Sept. 1 EUR	iP	20 10 56
	iS	11 52
FGU	iP	20 11 36
	iL	12 17
SLC	eP	20 11 13
	e(S)	11 50
Sept. 1 BCN	eP	20 14 07
BOZ	e(P)	20 14 43
BUT	eP	20 14 38
COL	iP	20 14 27
	i	20 19 54
EUR	eP	20 14 11
	ePP	17 14
FGU	eP	20 14 37
	i	14 46
GCA	eP	20 14 22
GUA	eP	20 10 25
HHM	eP	20 14 40
TUC	eP	20 14 21
	eL	20 39 14
TUT	eP	20 14 16
UKI	eP	20 13 47
	e	15 28
Sept. 1 EUR	eP	20 54 14
Sept. 1 BCN	eP	22 40 33
	iP	40 38
	iS	41 11
	eL	41 29
GCA	iP	22 41 24
	i	42 27

Date and Station	Phase	Phase (GCT) h m s
TUT	eP	22 41 07
Sept. 1 TUT	eP	22 54 00
Sept. 1 EUR	eP	23 00 16
Sept. 1 RCD	iP	23 18 47
Sept. 2 TUT	eP	00 45 12
	eL	45 32
Sept. 2 COL	eP	02 22 14
EUR	eP	02 22 45
Sept. 2 COL	eP	02 48 07
Sept. 2 FGU	e(P)	05 49 40
Sept. 2 EUR	eP	05 55 15
Sept. 2 EUR	eP	06 06 24
Sept. 2 EUR	eP	07 50 19
FGU	eP	07 50 09
SJP	e(P)	07 48 30
Sept. 2 COL	eP	11 03 30
Sept. 2 BCN	eP	11 05 03
	epP	05 36
COL	iP	11 04 48
EUR	iP	11 05 03
	ipP	35
	iPP	08 48
FGU	eP	11 05 29
	epP	06 00
	ePP	09 06
GCA	e(P)	11 05 15
	epP	05 47
	ePP	08 58
SJP	eP'	11 11 10
TUC	e(P)	11 05 12
	epP	05 44
Sept. 2 BHP	iP	11 10 04
	iS	11 18

Date and Station	Phase	Phase (GCT) h m s
EUR	iP	11 17 12
FGU	iP	11 16 45
GCA	iP	11 16 40
SJP	iP	11 13 50
TUC	iP	11 16 17
TUT	eP	11 16 16
Sept. 2 COL	eP	11 17 31
Sept. 2 EUR	eP	11 30 41
Sept. 2 EUR	eP	12 45 00
Sept. 2 COL	iP	13 57 39
	ipP	57 52
	eS	14 07 07
	eL	22 34
EUR	eP	13 59 48
	ePP	14 04 31
	e	04 52
HHM	iP	13 59 43
	ePP	14 03 30
Sept. 2 FGU	e(P)	15 04 39
Sept. 2 EUR	eP	17 59 26
Sept. 2 EUR	eP	18 02 18
	e	02 26
	e	03 14
Sept. 2 EUR	eP	18 27 19
TUT	eP	18 29 01
Sept. 2 BCN	eP	18 44 30
CSC	eP	18 43 07
EUR	iP	18 44 46
FGU	iP	18 44 37
	ipP	45 10
GCA	iP	18 44 25
GUA	eP'	18 51 49
	iP'	51 52
	ipP'	52 23

Date and Station	Phase	Phase (GCT) h m s
HHM	iP	18 45 15
	ipP	45 45
Sept. 2 HHM	iP	18 53 55
Sept. 2 CSC	eP	19 23 43
Sept. 2 EUR	eP	20 41 41
Sept. 2 GUA	iP	21 41 52
	iS	42 00
Sept. 2 BHP	iP	22 15 26
	iS	25 16
BCN	eP	22 10 44
	eS	17 09
BUT	eP	22 10 08
	e	14 58
	eL	19 10
COL	iP	22 06 52
	iS	10 17
CSC	eP	22 13 23
	eS	21 52
EUR	iP	22 10 19
	i	15 10
	eL	20 27
FGU	iP	22 10 45
	i	16 23
	i	16 25
	eS	17 05
GCA	iP	22 10 55
	e	12 05
	e	16 28
GUA	iP	22 11 53
HON	eP	22 09 15
	eS	14 31
	eL	16 30
HHM	iP	22 09 49
	i	10 05
	e	11 15
	iPcP	12 14
	eS	15 27
	i	15 57
	eL	18 13
KIP	eP	22 09 20
	eT	43 19
SLC	eP	22 10 35
	e	16 19
SJP	iP	22 15 21

Date and Station		Phase (GCT)
		h m s
SIT	eP	22 07 37
	e	08 11
TUC	iP	22 11 23
	iS	18 20
	iL	22 11
TUT	iP	22 11 23
	ipP	11 33
	iPcP	12 25
	iPP	13 16
	ePPP	14 11
UKI	eP	22 09 44
	e	10 07
Sept. 3		
COL	eP	00 12 07
HHM	eP	00 13 21
Sept. 3		
COL	iP	00 27 17
	ipP	27 28
EUR	iP	00 30 31
	ipP	30 47
FGU	iP	00 30 20
HHM	iP	00 30 05
Sept. 3		
SLC	e(P)	00 47 12
Sept. 3		
COL	iP	02 40 51
Sept. 3		
TUC	e(P)	03 05 38
Sept. 3		
FGU	iP	04 49 54
	i	50 55
Sept. 3		
EUR	eP	05 30 28
Sept. 3		
BCN	eP	05 53 45
COL	iP	05 54 26
EUR	iP	05 53 54
	ipP	54 06
FGU	eP	05 54 19
GCA	eP	05 54 03
GUA	eP	05 50 53
HHM	eP	05 54 26
	e	55 29
TUC	eP	05 53 52
	eL	06 22 43

Date and Station		Phase (GCT)
		h m s
TUT	eP	05 53 53
Sept. 3		
BCN	eP	07 26 51
TUT	eP	07 25 23
	e	26 04
Sept. 3		
BCN	eP	07 59 36
COL	eP	07 59 31
EUR	iP	07 59 38
FGU	eP	08 00 01
GCA	eP	07 59 48
GUA	iP	07 54 15
TUC	iP	07 59 44
TUT	eP	07 59 44
Sept. 3		
FGU	eP	08 53 48
Sept. 3		
FGU	iP	10 46 28
SIT	e(P)	10 53 24
Sept. 3		
COL	iP	11 13 44
EUR	iP	11 14 37
Sept. 3		
BCN	eP	12 54 09
	e	54 46
	eS	13 04 07
BOZ	eP	12 54 23
BUT	eP	12 54 18
COL	iP	12 53 11
	eS	13 02 46
	ePKKP	12 03
	eP'P'	22 21
CSC	eP'	12 59 41
EUR	iP	12 54 05
	i	55 02
FGU	iP	12 54 28
	iS	13 04 27
	e	21 26
GCA	iP	12 54 21
	ePP	58 20
	eS	13 04 20
GUA	iP	12 45 55
	ipP	47 08
	iaP	47 57
	eS	49 26
	eScP	52 37

Date and Station		Phase (GCT)
		h m s
HON	iP	12 50 18
	i	50 56
	eS	57 21
	esS	59 56
	eL	13 03 28
HHM	iP	12 54 13
	iPP	58 03
	e	13 11 06
KIP	iP	12 50 19
	i	50 42
RCD	iP	12 54 48
	iPP	59 06
SLC	eP	12 54 20
	ePP	58 12
SJP	eP'	13 00 02
	iP'	00 13
	ePP	03 05
	iPP	03 09
	ePKS	03 36
THU	eP'	12 59 12
TUC	eP	12 54 23
	iPP	58 22
TUT	eP	12 54 24
	e	56 16
	ePP	58 24
UKI	iP	12 53 39
Sept. 3		
GUA	eP	12 56 27
Sept. 3		
BCN	e(P)	13 34 49
COL	iP	13 31 05
EUR	iP	13 34 16
	ipP	34 32
FGU	eP	13 34 33
HHM	iP	13 33 49
	ipP	34 04
TUC	eP	13 35 16
TUT	eP	13 35 16
Sept. 3		
COL	eP	14 16 45
HHM	iP	14 05 51
Sept. 3		
COL	iP	15 18 15
EUR	iP	15 17 42
FGU	eP	15 18 08

Date and Station		Phase (GCT)
		h m s
HHM	e(P)	15 18 14
Sept. 3		
COL	iP	15 29 16
	ipP	15 31 20
EUR	eP	15 28 55
GUA	iP	15 25 24
HHM	eP	15 29 22
Sept. 3		
TUT	e(P)	16 00 19
Sept. 3		
EUR	eP	16 54 36
Sept. 3		
COL	eP	18 49 28
EUR	eP	18 52 54
HHM	iP	18 52 23
Sept. 3		
EUR	eP	19 04 15
Sept. 3		
TUT	e(P)	19 14 29
Sept. 3		
TUT	eP	19 19 09
Sept. 3		
FGU	eP	19 26 18
Sept. 3		
COL	iP	19 52 04
Sept. 3		
GUA	eP	20 51 44
RCD	i(P')	21 00 49
THU	i(P')	21 01 12
Sept. 3		
COL	eP	22 36 47
FGU	eP	22 40 37
	e	46 15
HHM	eP	22 39 41
TUC	e(P)	22 41 21
TUT	eP	22 41 15
Sept. 3		
TUT	eP	22 52 19
	e(S)	52 34
Sept. 3		
COL	iP	23 23 23

Date and Station		Phase (GCT) h m s
Sept. 3		
BCN	eP	23 57 34
	eS	00 07 03
BOZ	eP	23 57 12
BUT	eP	23 57 03
COL	iP	23 53 55
	iPP	23 55 30
	iPcP	55 51
	iS	59 54
FGU	iP	23 57 34
	eS	00 06 39
GCA	iP	23 57 42
HHM	iP	23 56 47
	eS	00 05 10
KIP	iP	23 55 24
RCD	iP	23 57 41
	e(S)	24 06 54
SLC	eP	23 57 25
SIT	eP	23 54 57
THU	eP	23 56 08
TUC	eP	23 58 03
	i	58 17
	iS	00 07 49
	e	08 14
	eL	20 50
TUT	eP	23 58 04
	i	58 19
Sept. 4		
COL	eP	01 01 42
Sept. 4		
COL	iP	01 23 26
FGU	eP	01 26 18
HHM	eP	01 25 40
Sept. 4		
COL	iP	01 57 21
Sept. 4		
TUT	e(P)	02 06 13
	eS	07 01
Sept. 4		
EUR	eP	02 27 13
Sept. 4		
COL	eP	02 52 09
Sept. 4		
THU	eP	03 09 10
Sept. 4		
FGU	eP	03 32 07
Sept. 4		
COL	iP	03 56 38

Date and Station		Phase (GCT) h m s
EUR	eP	03 59 58
Sept. 4		
EUR	eP	04 31 10
Sept. 4		
COL	iP	05 09 50
EUR	iP	05 10 09
TUC	eP	05 10 20
TUT	e(P)	05 10 19
Sept. 4		
BCN	eP	05 27 54
COL	iP	05 23 29
	iS	05 26 12
CSC	eP	05 30 40
EUR	iP	05 27 26
	iS	34 10
FGU	iP	05 27 48
	e(PcP)	30 42
	eS	34 18
GCA	iP	05 28 03
HHM	iP	05 26 43
	e(PcP)	30 18
	i	30 25
RCD	iP	05 28 01
SIT	e(P)	05 23 48
THU	iP	05 28 14
TUC	iP	05 28 38
TUT	eP	05 28 38
Sept. 4		
COL	iP	07 12 24
Sept. 4		
EUR	iP	07 38 37
Sept. 4		
HHM	eP	08 01 19
Sept. 4		
COL	iP	08 35 52
Sept. 4		
COL	eP	09 18 47
EUR	iP	09 23 49
Sept. 4		
COL	eP	11 50 06
Sept. 4		
COL	iP	13 11 49
Sept. 4		
COL	eP	15 10 22

Date and Station		Phase (GCT) h m s
EUR	eP	15 11 08
Sept. 4		
FGU	eP	15 39 52
Sept. 4		
COL	eP	17 18 11
Sept. 4		
COL	eP	21 15 08
Sept. 4		
COL	eP	21 21 56
SIT	eP	21 17 27
Sept. 4		
FGU	eP	22 26 35
	eL	27 14
SLC	eP	22 26 13
Sept. 4		
CSC	eP	23 59 22
HON	e(P)	23 55 27
	eS	00 02 06
	eL	07 08
Sept. 5		
COL	iP	01 26 47
Sept. 5		
BCN	iP	03 29 07
	eS	29 38
	eL	29 51
EUR	eP	03 29 47
GCA	eP	03 29 37
	e	30 56
TUT	e(P)	03 29 36
Sept. 5		
RCD	e(P)	03 58 42
Sept. 5		
COL	iP	04 47 47
	epP	48 35
Sept. 5		
COL	eP	06 04 20
EUR	eP	06 03 47
FGU	eP	06 04 43
GCA	eP	06 03 50
TUT	eP	06 03 44
Sept. 5		
COL	eP	07 47 13
FGU	eP	07 38 50
GCA	iP	07 36 56
	iL	37 45

Date and Station		Phase (GCT) h m s
TUT	e(P)	07 37 50
Sept. 5		
EUR	eP	07 50 42
	i	50 53
FGU	eP	07 51 05
GCA	eP	07 51 15
HHM	iP	07 50 10
	i	52 17
TUT	eP	07 51 42
TUT	e(P)	07 51 42
Sept. 5		
FGU	e(P)	09 50 03
Sept. 5		
COL	eP'	10 01 10
EUR	eP'	10 01 16
FGU	eP'	10 01 24
HHM	iP'	10 01 23
Sept. 5		
FGU	eP	10 11 07
Sept. 5		
FGU	e(P)	10 18 48
TUT	eP	10 16 34
Sept. 5		
FGU	e(P)	11 01 05
Sept. 5		
TUT	eP	11 21 44
Sept. 5		
EUR	iP	12 18 45
FGU	eP	12 18 40
Sept. 5		
COL	eP	12 27 21
Sept. 5		
TUT	e(P)	12 33 33
Sept. 5		
COL	eP	12 39 19
Sept. 5		
TUT	e(P)	12 41 34
	e(S)	42 32
Sept. 5		
COL	iP	13 06 04
Sept. 5		
COL	iP	14 07 56
	i	08 12
	e	09 24

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Date and Station		Phase (GCT) h m s
EUR	iP	14 11 16
FGU	eP	14 11 35
HHM	iP	14 10 47
Sept. 5 CSC	eP	21 35 56
Sept. 6 COL	iP	02 09 25
Sept. 6 COL	eP	04 03 12
Sept. 6 THU	eP	04 21 19
Sept. 6 BUT	eP	07 22 53
COL	eP	07 19 20
	i(S)	07 21 02
FGU	eP	07 23 48
HHM	iP	07 22 26
	e	27 02
	eL	28 26
SIT	e(P)	07 19 53
	eL	22 08
Sept. 6 BUT	eP	07 29 22
Sept. 6 TUT	eP	11 56 33
Sept. 6 FGU	eP	12 33 05
Sept. 6 COL	eP	12 47 51
GUA	eP	12 39 48
TUC	eP'	12 55 40
Sept. 6 COL	iP	12 51 06
Sept. 6 HHM	iP	13 00 56
Sept. 6 HHM	iP	13 25 19
	i	25 34
Sept. 6 BCN	eP	14 16 02
	ePP	19 34
COL	eP	14 16 00
	i	16 21
EUR	iP	14 16 04
	e	16 14
FGU	iP	14 16 28

Date and Station		Phase (GCT) h m s
GCA	eP	14 16 15
GUA	iP	14 10 46
	i(PP)	12 35
HHM	eP	14 16 29
SJP	iP'	14 22 01
TUC	iP	14 16 10
Sept. 6 COL	eP	14 33 22
Sept. 6 TUT	e(P)	15 28 30
	eS	29 31
Sept. 6 COL	iP	15 32 45
	iS	39 15
EUR	iP	15 35 58
FGU	eP	15 36 16
HHM	eP	15 35 32
RCD	e(P)	15 36 22
SLC	eP	15 36 08
Sept. 6 HHM	e(P)	16 03 51
Sept. 6 COL	eP	17 46 25
Sept. 6 COL	eP	17 49 49
Sept. 6 BOZ	e(P)	21 29 40
	e(S)	34 50
	eL	36 39
COL	iP	21 29 54
	i	30 02
	eS	34 17
FGU	iP	21 30 14
	e	38 33
HHM	iP	21 29 25
	i	33 14
	iL	33 50
Sept. 6 CSC	eP	21 40 38
GCA	iP	21 41 24
	i	42 43
Sept. 6 FGU	eP	23 51 56
Sept. 7 COL	iP	00 45 15

Date and Station		Phase (GCT) h m s
Sept. 7 GCA	iP	01 02 14
Sept. 7 BHP	iP	01 29 22
BCN	eP'	01 37 22
BOZ	eP'	01 36 30
COL	iP'	01 36 59
	iPP	01 40 03
CSC	eP	01 30 55
EUR	iP'	01 36 29
	iPP	37 50
FGU	eP'	01 36 20
	iPP	37 26
GCA	eP'	01 36 21
	ePP	37 18
GUA	eP'	01 37 29
HHM	iP'	01 36 33
	ePP	38 04
SLC	eP'	01 36 24
	ePP	37 35
SJP	iP	01 29 08
TUC	eP'	01 36 53
TUT	e(P')	01 36 34
Sept. 7 COL	eP	04 02 51
GUA	iP	03 55 15
SJP	e(P')	04 10 36
Sept. 7 EUR	eP	04 08 34
Sept. 7 FGU	eP	08 04 45
Sept. 7 COL	eP	09 40 55
Sept. 7 COL	iP	11 19 17
Sept. 7 BCN	eP	11 56 03
BOZ	eP	11 55 38
	epP	55 52
COL	iP	11 52 24
	ipP	52 36
	e(S)	58 24
EUR	iP	11 55 44
	ipP	55 58

Date and Station		Phase (GCT) h m s
FGU	eP	11 56 04
	ipP	56 17
	e	58 07
GCA	iP	11 56 10
HHM	iP	11 55 16
RCD	iP	11 56 10
SLC	e(P)	11 55 57
TUC	iP	11 56 32
	i	56 47
Sept. 7 COL	iP	15 09 15
Sept. 7 BUT	eP	19 25 06
FGU	eP	19 24 13
	i	24 20
	iS	25 01
Sept. 7 GCA	eP	20 21 16
	eL	22 15
Sept. 7 HHM	i(P)	22 50 28
Sept. 8 FGU	iP	00 04 25
Sept. 8 FGU	e(P)	03 51 11
Sept. 8 COL	eP	05 53 38
EUR	eP	05 54 27
Sept. 8 BCN	eP	08 18 41
COL	iP	08 15 00
EUR	eP	08 18 17
FGU	eP	08 18 43
GCA	eP	08 18 52
HHM	iP	08 17 47
	ePP	19 17
	ePcP	20 12
	i	20 24
TUC	eP	08 19 21
Sept. 8 FGU	eP	08 51 20
Sept. 8 BCN	eP	08 57 00

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Date and Station		Phase	(GCT) h m s
FGU	eP		08 57 38
GCA	iP		08 57 29
	i		58 42
Sept. 8			
BCN	eP		10 58 45
COL	e(P)		10 58 41
	eP		58 45
EUR	iP		10 58 37
FGU	eP		10 55 31
	e		58 03
GCA	iP		10 58 27
HHM	iP		10 58 00
TUC	iP		10 58 40
Sept. 8			
BHP	eP'		11 27 25
BUT	eP		11 21 53
COL	iP		11 20 01
	eS		30 09
	ePKKP		35 40
EUR	e(P)		11 21 57
	ePP		25 24
FGU	eP		11 22 15
	ePP		26 12
GUA	iP		11 12 11
	eS		16 00
	eT		31 32
HON	eP		11 19 20
	i		20 15
HHM	eP		11 21 44
SJP	eP'		11 27 27
	i		27 47
Sept. 8			
BOZ	eP		11 37 35
BUT	eP		11 37 39
EUR	iP		11 37 23
	i		37 37
FGU	eP		11 36 50
	i		37 20
	i		38 37
GCA	eP		11 37 10
	i		37 20
RCD	i		11 37 10
TUC	e(P)		11 37 02
	e		37 09

Date and Station		Phase	(GCT) h m s
Sept. 8			
EUR	iP		12 44 54
FGU	eP		12 45 20
TUC	eP		12 44 58
Sept. 8			
COL	iP		14 38 03
EUR	iP		14 41 48
GCA	iP		14 43 18
	e		14 43 35
HHM	iP		14 41 13
	i		42 24
RCD	iP		14 42 13
SLC	eP		14 41 58
SIT	eP		14 39 10
Sept. 8			
KIP	eT		15 28 50
Sept. 8			
COL	iP		17 14 28
Sept. 8			
COL	iP		17 40 47
Sept. 8			
BCN	eP		18 42 37
	eS		43 17
	eL		43 27
FGU	e(P)		18 43 42
	e		43 46
	i		44 03
	eL		45 43
GCA	e(P)		18 43 09
	i		43 20
	iL		44 38
SLC	eP		18 44 50
Sept. 8			
FGU	iP		21 07 11
	iL		07 36
GCA	iP		21 07 31
	iS		08 05
	iL		08 11
Sept. 8			
GCA	iP		21 19 24
	i		20 16
Sept. 8			
BCN	eP		23 23 43
COL	iP		23 20 04
	ipP		20 18
	i		20 34

Date and Station		Phase	(GCT) h m s
FGU	eP		23 22 54
GCA	eP		23 23 50
HHM	iP		23 22 56
	ipP		23 09
RCD	iP		23 23 10
Sept. 9			
COL	eP		01 16 45
HHM	eP		01 18 52
Sept. 9			
TUT	e(P)		02 29 37
Sept. 9			
EUR	eP		04 05 24
FGU	eP		04 05 43
TUT	e(P)		04 00 26
Sept. 9			
EUR	eP		04 29 10
Sept. 9			
COL	eP		04 25 53
Sept. 9			
FGU	eP		05 30 22
Sept. 9			
FGU	eP		08 33 45
Sept. 9			
BUT	eP		08 45 21
COL	eP		08 43 38
EUR	iP		08 45 19
GUA	iP		08 32 56
	eS		33 11
	iL		33 13
HHM	iP		08 45 15
	i		45 29
Sept. 9			
COL	eP		10 16 41
Sept. 9			
COL	iP		10 17 25
	ipP		17 47
	isP		17 54
Sept. 9			
EUR	iP		10 33 48
FGU	eP		10 34 13
GCA	e(P)		10 33 50
TUC	iP		10 33 44

Date and Station		Phase	(GCT) h m s
Sept. 9			
COL	iP		10 46 39
EUR	iP		10 50 00
FGU	eP		10 50 29
GCA	e(P)		10 50 39
HHM	iP		10 49 32
	ePcP		51 45
RCD	eP		10 50 43
Sept. 9			
BCN	eP		12 29 39
Sept. 9			
FGU	eP		12 50 37
Sept. 9			
FGU	e(P)		13 01 32
Sept. 9			
FGU	eP		13 19 45
Sept. 9			
FGU	eP		13 50 57
Sept. 9			
COL	iP		14 03 00
Sept. 9			
COL	iP		14 05 26
	i		06 03
EUR	iP		14 01 39
FGU	eP		14 01 18
Sept. 9			
FGU	eP		14 21 10
Sept. 9			
COL	eP		15 26 57
Sept. 9			
BCN	eP		16 29 47
BOZ	e(P)		16 29 46
COL	iP		16 27 09
	ePP		28 51
EUR	iP		16 29 27
FGU	iP		16 29 05
HHM	eP		16 28 22
RCD	eP		16 28 31
THU	eP		16 23 25
TUT	eP		16 30 03
Sept. 9			
BHP	eP		17 07 35
	iS		11 07

Date and Station		Phase (GCT)
		h m s
BOZ	e(P)	17 13 13
COL	eP	17 16 27
CSC	eP	17 10 45
FGU	iP	17 12 34
GCA	e(P)	17 11 46
	i	12 22
HHM	e(P)	17 13 39
	i	15 27
Sept. 9		
CSC	eP	17 45 12
Sept. 9		
COL	iP'	18 06 06
FGU	iP	18 00 09
GCA	iP	17 59 57
Sept. 9		
COL	iP	19 19 52
	i	20 02
HHM	eP	19 22 41
Sept. 9		
COL	eP	19 44 41
FGU	iP	19 36 38
Sept. 9		
BCN	eP	20 15 04
BUT	eP	20 13 54
COL	iP	20 12 26
	i	14 21
CSC	eP	20 14 08
FGU	iP	20 14 22
GCA	iP	20 14 51
HHM	iP	20 13 40
RCD	iP	20 13 49
THU	iP	20 08 41
TUT	eP	20 15 20
Sept. 9		
COL	iP	21 27 08
Sept. 9		
FGU	eP	22 44 04
Sept. 9		
TUT	e(P)	22 53 56

Date and Station		Phase (GCT)
Sept. 10		h m s
BOZ	eP	00 32 20
COL	iP	00 31 26
FGU	eP	00 32 36
HHM	iP	00 32 12
RCD	iP	00 32 09
SJP	i(P)	00 31 33
Sept. 10		
COL	iP	01 05 51
FGU	e(P)	01 05 46
Sept. 10		
HHM	e(P)	01 26 59
Sept. 10		
COL	iP	02 13 01
	i	13 38
EUR	iP	02 26 11
Sept. 10		
EUR	iP	04 46 38
Sept. 10		
EUR	eP	05 26 56
FGU	iP	05 26 42
HHM	eP	05 27 36
SIT	eP	05 16 28
	i	16 32
	eL	16 46
Sept. 10		
COL	iP	07 22 19
GCA	eP	07 22 03
HHM	eP	07 22 23
Sept. 10		
EUR	eP	09 51 57
Sept. 10		
BCN	eP	10 05 52
	e	07 16
BOZ	eP	10 06 29
BUT	eP	10 06 30
COL	eP	10 07 15
EUR	iP	10 05 45
	e	07 09
FGU	eP	10 05 09
	e	06 34
	i	06 54
GCA	iP	10 05 34
	i	06 58

Date and Station		Phase (GCT)
		h m s
HHM	eP	10 05 01
	i	06 30
RCD	eP	10 05 55
TUC	eP	10 05 47
	i	07 12
	e	13 02
Sept. 10		
BCN	e(P')	11 01 55
	ePKKP	13 11
BOZ	eP'	11 02 21
BUT	eP'	11 02 10
	e	05 00
COL	iP	10 56 32
	epP	58 41
	i(SKS)	11 06 10
	ePKKP	14 20
	eP'P'	24 53
EUR	eP	10 58 27
	iP'	11 02 22
	ePP	03 19
	epP'	05 00
	iPKKP	13 18
	eSKKP	15 55
FGU	eP	10 58 48
	iP'	11 02 28
	iPP	03 26
	ipP'	05 08
	e	08 22
	e	09 37
	ePKKP	13 08
	eSKKP	15 59
GCA	eP'	11 02 29
	ipP'	05 08
	ePKKP	13 05
	i	13 09
GUA	iP	10 49 22
	iScP	55 25
HON	eP	10 55 59
	eS	11 05 13
HHM	eP	10 58 22
	eP'	11 02 07
	iP'	02 16
	i	02 51
	ePKKP	13 27
RCD	eP'	11 02 33
SJP	eP'	11 03 46
	i	04 15
	epP'	06 24
TUC	eP'	11 02 35
TUT	eP'	11 02 36
	ePKKP	13 01

Date and Station		Phase (GCT)
Sept. 10		h m s
COL	iP	12 24 54
Sept. 10		
HHM	e(P)	12 55 36
	iP'	55 42
Sept. 10		
EUR	eP	13 05 30
Sept. 10		
EUR	eP	13 20 35
Sept. 10		
EUR	eP	13 38 02
Sept. 10		
EUR	eP	14 16 02
FGU	eP	14 15 54
HHM	eP	14 16 31
Sept. 10		
BCN	eP	14 17 32
COL	iP	14 17 01
	ipP	17 10
	eP'P'	41 28
EUR	iP	14 17 29
	e	17 44
Sept. 10		
HHM	e(P)	14 21 19
Sept. 10		
COL	iP	14 34 41
Sept. 10		
SIT	eP	14 38 59
	eL	39 53
Sept. 10		
BOZ	eP	15 08 36
	eL	10 33
BUT	eP	15 08 17
	eS	10 16
	eL	10 48
COL	iP	15 11 24
EUR	iP	15 08 55
	i	09 02
	iS	10 54
FGU	iP	15 09 22
	i	09 34
	eL	12 52
HHM	iP	15 08 00
	i	09 42
	iL	09 57
RCD	eP	15 09 54
	i	10 00

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Date and Station		Phase	(GCT) h m s
THU	e	(P)	15 16 03
TUC	i	P	15 10 44
TUT	e	P	15 10 43
Sept. 10			
COL	i	P	15 28 34
EUR	i	P	15 29 05
Sept. 10			
EUR	i	P	16 04 27
FGU	e	P	16 04 30
Sept. 10			
EUR	e	P	17 20 22
Sept. 10			
FGU	i	P	17 24 07
Sept. 10			
COL	i	P	17 32 36
EUR	i	P	17 29 51
FGU	i	P	17 29 34
SJP	e	P	17 25 37
Sept. 10			
FGU	i	P	23 08 07
	i		08 33
GCA	i	P	23 08 26
Sept. 10			
EUR	e	P	23 16 42
FGU	e	P	23 16 36
Sept. 11			
FGU	e	P	00 08 23
	i		09 25
Sept. 11			
EUR	e	P	01 29 02
Sept. 11			
EUR	e	P	04 10 06
Sept. 11			
COL	e	P	04 52 16
EUR	e	P	04 55 31
Sept. 11			
EUR	e	P	05 03 28
FGU	e	P	05 03 23
Sept. 11			
FGU	e	(P)	06 36 43
Sept. 11			
SLC	e	(P)	07 01 25

Date and Station		Phase	(GCT) h m s
Sept. 11			
FGU	i	P	07 21 29
GCA	e	(P)	07 22 04
Sept. 11			
EUR	i	P	08 08 37
FGU	i	P	08 08 31
GCA	e	P	08 09 18
HHM	e	P	08 09 04
TUC	i	P	08 07 54
TUT	e	P	08 07 54
Sept. 11			
EUR	e	P	10 22 13
Sept. 11			
COL	i	P	10 17 02
Sept. 11			
BCN	i	P	11 00 49
	e	S	01 16
	e	L	01 30
EUR	i	P	11 01 09
	i	S	01 34
FGU	i	P	11 01 25
	i		01 39
	i	S	02 28
	i	L	02 36
GCA	i	P	11 01 16
	i		01 24
	i	S	02 10
SLC	e	(P)	11 01 03
TUC	e	P	11 01 24
	i		01 38
	i	L	02 40
TUT	e	P	11 02 37
	e	S	03 36
	e	(L)	03 43
Sept. 11			
EUR	e	P	12 26 25
Sept. 11			
EUR	e	P	13 47 43
TUC	e	P	13 47 46
Sept. 11			
EUR	i	P	14 37 54
Sept. 11			
COL	e	P	14 37 23
	e		39 30
EUR	i	P	14 37 54
Sept. 11			
TUC	e	(P)	15 04 07

Date and Station		Phase	(GCT) h m s
Sept. 11			
SLC	e	(P)	18 32 40
Sept. 11			
BCN	e	(P)	19 50 21
	e		50 43
EUR	e	(P)	19 49 06
	i		52 38
FGU	e	(P)	19 51 50
	i		52 16
GCA	i	P	19 46 43
	i		46 47
	i		50 59
TUC	i	P	19 47 15
	i		47 30
	i		48 31
	e		48 32
TUT	e	P	19 47 18
	e		47 34
	i		48 34
Sept. 11			
COL	e	P	22 15 40
HHM	i	P	22 14 51
SJP	i	P	22 08 11
Sept. 11			
COL	e	P	22 31 58
HHM	e	P	22 31 10
Sept. 11			
FGU	i	P	22 49 34
Sept. 11			
COL	e	P	23 05 50
	i		06 02
EUR	e	P	23 09 50
Sept. 11			
COL	e	P	23 29 11
Sept. 12			
GCA	e	P	00 55 24
Sept. 12			
BUT	e	P	02 50 18
	e	pP	50 51
COL	i	P	02 45 58
EUR	i	P	02 50 47
	i	pP	51 23
	i	ScP	57 01
FGU	i	P	02 51 04
	i	ScP	57 07
GCA	i	P	02 51 22
	e	PcP	53 47

Date and Station		Phase	(GCT) h m s
HHM	i	P	02 49 56
	i	pP	50 31
	e		51 18
	i	PcP	53 20
	i	ScP	56 43
RCD	i	P	02 51 10
SJP	e	P	02 55 52
TUC	e	P	02 51 59
Sept. 12			
BCN	e	(P)	03 39 00
EUR	i	P	03 38 52
FGU	i	P	03 38 40
	i	S	39 12
	i	L	39 21
GCA	i	P	03 38 33
	i		38 34
	i	S	39 01
	i	L	40 15
SLC	e	P	03 38 26
TUC	e	(P)	03 39 43
	e	L	41 34
TUT	e	(P)	03 40 02
	e	S	41 37
Sept. 12			
TUC	e	P	07 59 58
Sept. 12			
COL	i	P	09 46 14
EUR	e	P	09 47 53
Sept. 12			
EUR	e	P	10 32 53
SJP	e	P	10 26 10
Sept. 12			
COL	e	P	12 13 55
Sept. 12			
BCN	e	P	12 30 21
	e		30 35
	e	PP	34 01
BOZ	e	P	12 30 05
BUT	e	P	12 30 00
	e		30 13
COL	i	P	12 27 33
	e	P'P'	56 25
EUR	i	P	12 30 04
	e	PKKP	48 19

Date and Station		Phase (GCT) h m s
FGU	iP	12 30 24
	ePP	12 34 04
	eSKS	41 04
	ePKKP	47 26
GCA	eP	12 30 30
	e	30 42
	ePP	34 38
GUA	iP	12 21 46
	iS	25 38
	eT	42 26
HHM	iP	12 29 50
	iPKKP	47 48
RCD	iP	12 30 29
SLC	eP	12 30 17
SJP	e(P')	12 36 21
THU	iP	12 28 52
TUC	iP	12 30 46
	e	31 04
TUT	e(P)	12 30 41
	ePP	34 43
Sept. 12		
FGU	iP'	16 20 07
		22 27
GCA	iP'	16 20 11
	iPKKP	29 40
GUA	iP	16 08 07
	iS	12 52
Sept. 12		
COL	eP	18 10 46
FGU	eP	18 06 30
Sept. 12		
GCA	iP	21 06 53
	i	07 59
Sept. 12		
GUA	eP	22 39 34
Sept. 12		
FGU	iP	23 37 12
	iL	37 43
SLC	iP	23 36 40
Sept. 13		
EUR	iP	00 55 41
FGU	iP	00 55 33
	i	55 56
TUT	e(P)	00 55 03
Sept. 13		
BUT	iP	03 20 47
	e	21 15

Date and Station		Phase (GCT) h m s
COL	iP	03 18 23
	i	18 39
	ePcP	19 07
	epP	19 54
	iPP	20 25
	ipPP	21 47
	eS	25 43
EUR	iP	03 20 52
	ipP	22 24
FGU	iP	03 21 09
	ipP	22 44
	eS	31 12
GCA	iP	03 21 14
GUA	iP	03 12 13
	iS	14 44
HHM	iP	03 20 37
	epP	22 09
	eS	30 06
RCD	i(P)	03 21 19
SLC	eP	03 21 03
TUC	iP	03 21 22
TUT	eP	03 21 28
Sept. 13		
EUR	eP	03 58 22
FGU	iP	03 58 09
	iL	58 40
GCA	iP	03 58 01
	iS	58 28
	iL	58 33
Sept. 13		
COL	eP	12 28 21
EUR	eP	12 31 49
Sept. 13		
COL	iP	12 30 26
Sept. 13		
FGU	e(P)	14 25 07
Sept. 13		
FGU	e(P)	14 30 34
Sept. 13		
COL	eP	15 46 27
Sept. 13		
HHM	e(P)	17 32 57
Sept. 13		
BOZ	eP	17 58 08
COL	iP	18 01 35
	epP	01 53

Date and Station		Phase (GCT) h m s
CSC	eP	17 55 58
FGU	iP	17 57 28
	i	58 05
GCA	iP	17 57 14
TUC	eP	17 56 44
TUT	eP	17 56 39
Sept. 13		
TUT	eP	19 28 14
Sept. 13		
FGU	iP	22 06 00
Sept. 13		
TUT	e(P)	22 51 51
Sept. 14		
SJP	eP	00 14 43
Sept. 14		
FGU	eP	00 18 57
Sept. 14		
COL	eP	00 45 04
	iPP	48 58
	i	49 08
FGU	iP	00 48 53
GUA	iP	00 39 21
	eS	43 34
	eT	59 44
	iT	01 01 46
HHM	iP	00 48 02
SJP	eP'	00 53 58
Sept. 14		
BHP	eP	01 56 46
	iL	02 03 05
BOZ	eP	02 01 19
BUT	eP	02 01 28
COL	eP	02 04 15
CSC	eP	01 57 25
	eS	02 00 23
EUR	iP	02 01 31
	i	03 39
FGU	iP	02 00 44
	e	02 29
GCA	iP	02 00 00
HHM	iP	02 01 41
RCD	eP	02 00 24

Date and Station		Phase (GCT) h m s
SLC	eP	02 01 14
SJP	iP	01 54 22
	eS	01 55 06
	e	02 01 39
TUC	iP	02 00 47
	e	01 22
	eL	02 20 44
TUT	eP	02 00 41
	eS	05 57
WAS	e(P)	01 58 24
	iPP	59 00
	iPcP	02 01 12
Sept. 14		
EUR	eP	03 30 35
Sept. 14		
THU	iP	03 53 27
	iS	56 28
Sept. 14		
COL	eP	03 58 46
	i	58 48
	epP	04 00 51
	isP	01 43
EUR	iP	04 01 24
	epP	03 10
FGU	iP	04 01 41
	ipP	03 27
HHM	iP	04 01 05
	ipP	02 50
Sept. 14		
BHP	eP	05 06 10
	iS	13 29
BOZ	eP	05 09 25
BUT	eP	05 09 28
CSC	eP	05 08 40
	eS	18 14
EUR	iP	05 08 54
	i	09 10
FGU	iP	05 09 59
	i	11 53
HHM	iP	05 09 40
RCD	iP	05 09 17
SLC	eP	05 09 02
SJP	iP	05 07 53
	i	08 11
TUC	iP	05 08 08
	ePcP	05 08 44
	eL	05 30 12

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Date and Station		Phase	(GCT) h m s
TUT		eP	05 08 08
UKI		e(P)	05 08 50
		i	09 08
Sept. 14 TUT		e(P)	06 41 02
Sept. 14 COL		eP	07 21 05
Sept. 14 FGU		eP	08 41 34
Sept. 14 COL		eP	11 47 37
EUR		eP	11 51 07
TUC		eP	11 52 08
Sept. 14 COL		eP	13 10 45
Sept. 14 HHM		e(P)	14 50 35
Sept. 14 COL		iP	16 11 29
		i	11 39
		i	12 14
FGU		eP	16 12 44
Sept. 14 COL		iP	16 35 56
Sept. 14 COL		iP	17 09 47
Sept. 14 COL		iP	17 24 09
FGU		iP	17 22 49
GCA		iP	17 21 49
SLC		eP	17 22 38
Sept. 14 GCA		iP	20 54 58
		i	55 58
Sept. 14 FGU		eP	22 38 45
		eL	39 12
Sept. 14 BUT		eP	23 31 23
COL		iP	23 31 29
		i	31 44
		i	32 13
EUR		iP	23 30 53
FGU		iP	23 31 21
GCA		iP	23 31 05
HHM		iP	23 31 26
TUC		iP	23 30 53
		e	31 40
		eL	58 46
TUT		eP	23 30 52
UKI		eP	23 30 31
Sept. 15 FGU		e(P)	00 20 26
Sept. 15 GCA		iP	00 55 07
Sept. 15 GCA		iP	01 02 39
Sept. 15 COL		eP	01 27 17
FGU		e(P)	01 29 41
		i	30 18
HHM		eP	01 29 38
Sept. 15 COL		eP	03 44 03
EUR		iP	03 44 17
		e	44 52
SJP		e(P')	03 50 23
TUC		eP	03 44 25
Sept. 15 GCA		iP	05 08 43
Sept. 15 COL		iP	05 13 00
EUR		iP	05 15 59
FGU		iP	05 16 00
HHM		iP	05 15 22
Sept. 15 EUR		eP	05 24 39
		i	30 53
Sept. 15 EUR		eP	06 23 11
GCA		iP	06 22 48
GUA		iP	06 13 17
		iS	13 26
Sept. 15 EUR		eP	07 17 36
FGU		eP	07 17 23
Sept. 15 COL		iP	11 54 16
		i	55 02
EUR		iP	11 53 42
GUA		iP	11 42 14
		iS	42 33
Sept. 15 COL		eP	12 08 10
EUR		eP	12 09 05
Sept. 15 BHP		iP	15 44 07
		iS	45 25
COL		eP	15 54 09
FGU		iP	15 51 47
GCA		iP	15 50 43
RCD		iP	15 50 35
SJP		eP	15 45 35
		e(S)	47 53
Sept. 15 BOZ		eP	16 05 27
HHM		eP	16 06 16
		iL	07 21
Sept. 15 BOZ		eP	18 09 44
		e	13 02
COL		iP	18 07 27
EUR		iP	18 09 41
FGU		iP	18 09 59
		iPP	13 31
		eS	20 17
GCA		iP	18 10 01
		ipP	11 20
		ePP	13 36
GUA		iP	17 59 38
		iS	18 01 04
HHM		iP	18 09 30
		ipP	10 40
		ePP	12 39
		eS	19 16
KIP		iP	18 06 40
RCD		iP	18 10 11
SLC		eP	18 09 52
THU		iP	18 09 18
TUC		e(P)	18 10 09
		i	10 15
		ePP	13 57
TUT		iP	18 10 15
UKI		iP	18 09 14
Sept. 15 HHM		e(P)	22 09 22
Sept. 16 EUR		iP	01 49 15
GCA		iP	01 48 58
Sept. 16 COL		iP	01 50 25
EUR		iP	01 55 26
FGU		e(P)	01 55 02
GCA		eP	01 55 10
HHM		iP	01 55 21
TUC		eP	01 55 05
Sept. 16 FGU		e(P)	02 45 26
Sept. 16 COL		eP	03 20 36
EUR		eP	03 21 30
Sept. 16 COL		iP	02 41 23
		ipP	41 46
Sept. 16 HHM		e(P)	09 32 30
Sept. 16 COL		iP	13 33 31
Sept. 16 BHP		iP	15 43 16
		iS	44 08
Sept. 16 GCA		iP	19 19 04
		i	19 29
Sept. 16 COL		eP	19 20 59
Sept. 16 SLC		eP	21 38 13

Date and Station	Phase	(GCT) h m s
Sept. 16		
COL	eP	21 42 31
	i	42 51
Sept. 16		
SLC	eP	21 52 01
Sept. 17		
SLC	eP	00 56 58
Sept. 17		
EUR	eP	01 15 00
Sept. 17		
GUA	iP	04 56 20
Sept. 17		
BHP	eP	06 45 21
	eS	46 42
EUR	eP	06 52 27
GCA	e(P)	06 51 54
Sept. 17		
COL	eP	07 25 44
	epP	26 58
EUR	eP	07 25 53
Sept. 17		
EUR	eP	07 56 11
GCA	e(P)	07 56 11
Sept. 17		
BCN	eP	08 03 21
BOZ	eP	08 02 53
	eS	10 57
	eSS	15 33
BUT	eP	08 02 44
COL	iP	07 59 27
	eS	08 04 43
EUR	iP	08 03 01
	iS	11 19
FGU	iP	08 03 19
	i	04 39
	e	07 38
GCA	iP	08 03 30
HHM	iP	08 02 28
	eS	10 09
RCD	iP	08 03 26
	eS	12 06
SLC	eP	08 03 10
	eS	11 35
TUC	eP	08 03 54
	i	04 06

Date and Station	Phase	(GCT) h m s
Sept. 17		
BCN	eP	08 16 01
	e	16 17
	eS	24 58
	eP'P'	44 56
BOZ	iP	08 15 32
	e	24 27
BUT	eP	08 15 25
	eS	23 14
	eL	31 08
COL	iP	08 12 07
	iS	17 32
CSC	eP	08 17 56
	ePP	21 08
	eS	28 10
EUR	iP	08 15 41
	iS	23 53
	eP'P'	44 42
FGU	iP	08 15 58
	i	16 20
	i	19 16
	iS	24 25
	eP'P'	44 25
	e	44 58
GCA	iP	08 16 09
	eP'P'	44 47
HON	eP	08 14 06
	eS	20 40
	eL	24 20
HHM	iP	08 15 09
	i	15 22
	eS	22 50
	eP'P'	45 05
KIP	eP	08 14 08
RCD	iP	08 16 08
	iS	24 45
	eP'P'	44 48
SLC	iP	08 15 51
	eS	24 15
SJP	eP'	08 23 40
SIT	iP	08 13 11
	e	13 24
THU	iP	08 14 35
TUC	iP	08 16 34
	ePP	17 19
	eS	25 37
	i	26 06
	eL	38 06
	eP'P'	44 47
UKI	eP	08 15 26

Date and Station	Phase	(GCT) h m s
Sept. 17		
COL	eP	11 46 50
EUR	eP	11 46 12
FGU	e(P)	11 46 41
GCA	eP	11 47 31
TUC	eP	11 46 19
Sept. 17		
COL	eP	13 09 24
Sept. 17		
BCN	eP	13 12 05
COL	iP	13 11 06
	ipP	11 28
	isP	11 34
EUR	iP	13 12 01
FGU	iP	13 12 24
GCA	eP	13 12 17
GUA	iP	13 03 42
	epP	04 02
HHM	iP	13 12 09
SJP	eP'	13 18 01
	iP'	13 18 10
Sept. 17		
GUA	iP	14 39 14
	e	39 20
Sept. 17		
COL	eP	15 24 17
Sept. 17		
COL	iP	16 07 06
	ipP	07 15
EUR	eP	16 08 10
SJP	eP'	16 14 04
Sept. 17		
GUA	iP	17 43 56
	iS	44 10
Sept. 17		
EUR	iP	17 47 15
Sept. 17		
FGU	e(P)	18 55 58
	e	58 22
RCD	e(P)	18 57 12
Sept. 17		
BCN	eP	20 08 20
BOZ	e(P)	20 08 05
	e	09 00
BUT	eP	20 08 54

Date and Station	Phase	(GCT) h m s
COL	iP	20 09 01
	iS	19 41
EUR	iP	20 08 27
	iS	18 40
FGU	iP	20 08 52
	eS	19 20
GCA	iP	20 08 36
GUA	iP	20 05 27
HHM	iP	20 08 58
KIP	eP	20 04 28
RCD	eP	20 09 19
SLC	eP	20 08 43
TUC	iP	20 08 24
	e	08 57
	e(PP)	11 50
	eS	18 31
	eL	31 26
UKI	e(P)	20 08 44
Sept. 17		
BHP	eP	20 20 23
Sept. 17		
FGU	iP	21 43 37
	iL	44 09
GCA	iP	21 44 05
SLC	eP	21 43 04
Sept. 17		
FGU	eP	22 58 56
	eL	59 42
SLC	eP	22 58 25
	eL	58 53
Sept. 17		
EUR	eP	23 02 19
FGU	iP	23 02 07
	iL	02 35
SLC	eP	23 01 34
Sept. 17		
EUR	eP	23 09 00
FGU	iP	23 08 42
	iL	09 17
SLC	eP	23 08 09
	eS	08 32
Sept. 17		
FGU	eP	23 31 19

Date and Station		Phase	(GCT) h m s
Sept. 18			
GCA		iP	01 25 52
Sept. 18			
COL		eP	02 28 29
EUR		iP	02 29 23
Sept. 18			
EUR		eP	04 18 59
FGU		eP	04 18 53
GCA		e(P)	04 18 43
TUC		e(P)	04 18 20
		e	18 27
Sept. 18			
UKI		eP	07 25 48
		eL	26 02
Sept. 18			
EUR		iP	08 34 58
Sept. 18			
BCN		eP'	09 59 04
COL		iP	09 53 35
		ipP	54 11
CSC		eP'	09 59 53
		ePP	10 03 13
EUR		iP'	09 59 00
		ipPP	10 00 32
		iPPP	02 22
		iPKKP	09 47
FGU		iP'	09 59 09
		e	10 03 44
		eSKS	05 49
GCA		iP'	09 59 09
		ePKKP	10 09 32
GUA		iP	09 45 55
		iPP	46 41
HON		eP	09 52 17
		e	52 56
HHM		iP'	09 58 58
		ePP	59 41
		e	10 00 36
		ePKKP	09 46
KIP		eP	09 52 16
		e	52 51
RCD		eP'	09 59 11
SLC		eP'	09 59 05
		epP	09 59 47
		ePKKP	10 09 35
SJP		eP'	10 00 21
		ipP'	01 06
		i	01 48
TUC		eP'	09 59 12
		ePP	10 00 31
		ePKKP	09 30
		ePPS	12 46
Sept. 18			
COL		iP	10 10 44
		epP	11 20
Sept. 18			
EUR		eP	13 38 28
		i	38 33
		iS	39 36
FGU		iP	13 37 48
		iS	38 07
		iL	38 13
GCA		e(P)	13 38 20
		iL	38 07
SLC		eP	13 37 32
Sept. 18			
BHP		eP	14 05 33
		iS	06 45
COL		iP	14 15 35
FGU		iP	14 12 13
GCA		iP	14 12 08
HHM		e(P)	14 13 06
SJP		iP	14 07 00
		i	07 04
		iS	09 18
TUC		iP	14 11 45
Sept. 18			
COL		eP	14 50 31
Sept. 18			
COL		eP	15 27 57
EUR		iP	15 28 33
Sept. 18			
COL		eP	15 52 26
EUR		iP	15 53 19
Sept. 18			
TUC		eP	16 26 37
Sept. 18			
COL		iP	17 13 37
HHM		i(P)	17 15 50
Sept. 18			
EUR		eP	17 43 00
		i	43 15
		i	44 10
Sept. 18			
BCN		eP	19 34 16
COL		eP	19 30 31
EUR		iP	19 33 53
		e	34 07
FGU		iP	19 34 18
HHM		iP	19 33 24
TUC		iP	19 34 56
		e	35 08
Sept. 18			
COL		iP	22 52 43
		i	53 53
		iS	54 33
Sept. 19			
FGU		e(P)	00 36 17
Sept. 19			
BUT		eP	02 13 45
COL		iP	02 15 50
EUR		iP	02 13 29
FGU		iP	02 13 15
GCA		iP	02 13 06
HHM		iP	02 13 58
RCD		iP	02 13 13
SJP		iP	02 09 12
TUC		iP	02 12 41
Sept. 19			
FGU		eP	02 43 48
Sept. 19			
BHP		eP'	03 59 23
COL		eP	03 51 25
		eS	04 01 10
EUR		eP	03 53 43
		ePP	58 03
HHM		eP	03 53 26
SJP		iP'	03 59 17
		epP'	59 48
Sept. 19			
COL		eP	04 10 39
EUR		eP	04 09 46
SJP		eP'	04 18 24
		e	18 32
Sept. 19			
BCN		eP	04 48 06
		eL	50 09
BOZ		eP	04 50 23
BUT		e(P)	04 50 16
COL		eP	04 54 16
		iP	54 20
EUR		eP	04 48 55
		eL	51 44
FGU		eP	04 49 21
		eS	51 19
		iL	52 49
GCA		iP	04 48 21
		i	48 23
		iS	50 32
HHM		eP	04 50 51
RCD		eP	04 50 26
SLC		e(P)	04 49 20
		e	50 31
TUC		iP	04 47 23
		iS	48 21
Sept. 19			
EUR		iP	04 59 53
GCA		e	04 59 36
HHM		iP	04 59 46
Sept. 19			
SJP		eP	06 04 27
Sept. 19			
EUR		eP	08 15 23
FGU		eP	08 15 32
Sept. 19			
BOZ		eP	08 33 16
BUT		eP	08 33 34
EUR		eP	08 33 28
FGU		iP	08 32 16
		iS	08 32 49
GCA		e(P)	08 33 00
		i	34 35
RCD		e(P)	08 32 33
SLC		eP	08 32 42
Sept. 19			
FGU		iP	09 07 41
Sept. 19			
FGU		eP	10 37 52
Sept. 19			
EUR		iP	11 26 42

Date and Station		Phase (GCT)
		h m s
Sept. 19		
FGU	eP	12 06 30
Sept. 19		
FGU	eP	15 34 09
HHM	iP	15 33 12
Sept. 19		
COL	eP	16 58 11
Sept. 19		
BHP	eP	18 52 38
	eS	53 26
COL	eP	19 03 36
FGU	eP	19 00 16
HHM	e(P)	19 01 00
Sept. 19		
BHP	iP	18 59 09
	iS	59 58
COL	eP	19 10 08
FGU	eP	19 06 35
HHM	eP	19 07 31
SJP	eP	19 02 05
Sept. 19		
BHP	iP	19 02 06
	iS	02 53
BOZ	eP	19 10 06
	eS	17 09
BUT	eP	19 10 12
	eS	17 03
COL	iP	19 13 12
	iS	22 46
CSC	eP	19 07 08
	eS	12 06
EUR	iP	19 09 57
	ePP	11 49
	eS	16 31
	eL	20 43
GCA	iP	19 09 18
	i	11 36
	e	16 28
HHM	iP	19 10 30
	eS	17 52
RCD	iP	19 09 25
	i(PP)	11 08
	i	12 08
	eS	15 47
SLC	iP	19 09 44
	eS	16 28

Date and Station		Phase (GCT)
		h m s
SJP	eP	19 04 56
	i	05 02
	e(S)	07 40
	eL	07 57
THU	iP	19 12 47
TUC	iP	19 09 00
	iPP	10 32
	eS	15 00
	eL	18 00
UKI	iP	19 10 34
	i	11 25
WAS	iP	19 07 50
	eS	13 05
	eL	16 23
Sept. 19		
BHP	eP	21 18 54
	eS	19 42
Sept. 19		
FGU	eP	23 30 09
Sept. 19		
FGU	eP	23 41 57
Sept. 20		
FGU	eP	00 35 33
Sept. 20		
EUR	eP	00 54 32
GCA	eP	00 54 33
Sept. 20		
COL	iP	02 31 58
EUR	eP	02 36 21
FGU	iP	02 36 30
Sept. 20		
EUR	eP	03 18 21
Sept. 20		
COL	iP	03 35 01
Sept. 20		
COL	eP	03 49 01
EUR	eP	03 48 25
FGU	eP	03 49 48
GCA	eP	03 48 34
	i	48 38
SLC	eP	03 48 46
TUC	eP	03 48 23
Sept. 20		
FGU	eP	03 52 04

Date and Station		Phase (GCT)
		h m s
Sept. 20		
COL	iP	04 15 45
EUR	eP	04 18 47
FGU	iP	04 18 48
HHM	eP	04 18 06
Sept. 20		
FGU	eP	04 48 02
Sept. 20		
FGU	e(P)	06 05 09
Sept. 20		
FGU	eP	08 49 29
Sept. 20		
CSC	eP	09 30 21
EUR	iP	09 32 07
FGU	iP	09 31 47
GCA	eP	09 31 27
TUC	eP	09 31 01
Sept. 20		
COL	eP	09 49 57
EUR	iP	09 53 37
	i	53 49
Sept. 20		
COL	eP	10 34 34
EUR	iP	10 38 17
FGU	eP	10 38 40
Sept. 20		
FGU	eP	10 54 10
Sept. 20		
EUR	eP	11 21 03
	e	21 21
FGU	iP	11 20 48
GCA	eP	11 20 27
TUC	eP	11 19 52
Sept. 20		
FGU	e(P)	13 21 02
Sept. 20		
BHP	iP	13 51 26
	iS	52 04
Sept. 20		
BHP	iP	16 07 54
	iS	08 33
Sept. 20		
FGU	eP	19 09 29
	i	09 31
	iL	16 37

Date and Station		Phase (GCT)
		h m s
Sept. 20		
BHP	iP	19 37 01
	iS	37 40
Sept. 20		
FGU	e(P)	22 29 13
	e	31 24
	i	31 34
Sept. 20		
BOZ	iP	22 40 23
	i	40 38
BUT	iP	22 40 40
	i	41 09
FGU	iP	22 41 09
	i	41 57
HHM	e(P)	22 41 04
	e(S)	42 09
	iL	42 21
Sept. 21		
COL	iP	00 25 10
THU	eP	00 23 20
	e	25 06
Sept. 21		
HHM	e(P)	00 37 09
Sept. 21		
EUR	iP	02 10 44
Sept. 21		
EUR	eP	02 21 56
Sept. 21		
COL	eP	03 01 12
	iP	01 17
Sept. 21		
COL	eP	03 55 20
CSC	eP	03 49 42
GCA	eP	03 51 00
HHM	eP	03 52 24
	i	54 27
TUC	e(P)	03 50 32
	e	51 02
Sept. 21		
EUR	iP	06 46 43
Sept. 21		
COL	eP	07 38 31
EUR	iP	07 38 01
FGU	eP	07 38 15
GCA	eP	07 38 02
	i	38 07

Date and Station		Phase (GCT) h m s
SJP	eP'	07 44 14
TUC	iP	07 37 53
	i	37 58
Sept. 21 TUC	iP	08 06 05
Sept. 21 COL	iP	08 15 26
EUR	eP	08 14 58
GCA	eP	08 15 08
Sept. 21 SLC	eP	09 34 07
Sept. 21 COL	iP	10 02 43
EUR	eP	10 05 16
FGU	eP	10 05 29
Sept. 21 BOZ	eP	10 45 31
COL	iP	10 42 02
	eS	46 07
EUR	iP	10 45 37
	iS	51 42
FGU	iP	10 46 01
GCA	eP	10 46 22
	e	47 23
GUA	iP	10 48 05
HHM	iP	10 45 03
	iPcP	47 48
SJP	iP	10 50 47
TUC	eP	10 46 43
	i	46 56
	e	47 05
Sept. 21 GCA	iP	12 11 26
	i	11 44
HHM	e(P)	12 11 08
Sept. 21 EUR	iP	12 52 11
FGU	iP	12 50 53
HHM	eP	12 51 49
Sept. 21 BOZ	eP	16 21 06
COL	iP	16 18 37
	ipP	19 30
EUR	iP	16 21 11
FGU	iP	16 21 24
	ipP	22 17
GUA	iP	16 13 03
	ipP	13 44
	eS	16 52
HHM	iP	16 20 51
	ipP	21 45
	eSKS	30 50
Sept. 21 COL	eP	16 42 37
Sept. 21 GCA	iP	18 23 37
	i	24 34
Sept. 21 COL	eP	23 17 24
Sept. 22 FGU	eP	00 51 01
Sept. 22 COL	iP	02 13 34
EUR	iP	02 17 27
	ipP	17 38
FGU	eP	02 17 38
HHM	eP	02 16 49
Sept. 22 HHM	iP	05 35 28
Sept. 22 COL	eP'	05 57 01
	ePP	58 19
EUR	eP'	05 57 29
	ePP	59 50
	eSKP	06 01 00
	eP'P'	15 58
FGU	iP'	05 57 19
GCA	eP'	05 57 28
HHM	iP'	05 57 15
	ePP	59 05
SJP	eP	05 51 41
TUC	eP'	05 57 32
TUT	eP'	05 57 31
Sept. 22 COL	iP	06 25 38
HHM	eP	06 29 30
Sept. 22 COL	eP	08 27 39
Sept. 22 BHP	eP	09 16 47
	eS	17 33
Sept. 22 BOZ	eP'	09 24 41
BUT	eP'	09 25 26
	e	34 00
	e	35 54
COL	eP'	09 24 25
	ePP	25 40
	i(PPS)	37 07
	eP'P'	43 55
CSC	e(P)	09 19 41
EUR	iP'	09 24 52
	ePP	27 14
	i	30 49
FGU	eP'	09 24 32
	i	24 48
	ePP	26 39
GCA	eP'	09 24 49
	ePP	27 03
HHM	iP'	09 24 39
	iPP	26 26
SJP	eP	09 19 07
TUC	eP'	09 24 55
	ePP	27 17
	eSKP	28 34
TUT	eP'	09 24 54
Sept. 22 BOZ	eP'	09 33 52
COL	eP'	09 33 45
	iPP	34 59
EUR	eP'	09 34 10
	ePP	36 35
	iPKS	37 43
	i	38 39
	i	39 37
FGU	iP'	09 34 00
	i	34 03
	iPP	36 06
	eSKP	37 51
GCA	eP'	09 34 11
	ePP	36 20
HHM	eP'	09 33 55
	ePP	35 49
RCD	iP'	09 33 52
SJP	eP	09 28 19
TUC	eP'	09 34 14
	ePP	36 35
	eSKP	37 46
TUT	eP'	09 34 16
Sept. 22 COL	iP	12 21 20
Sept. 22 COL	eP	15 23 25
EUR	iP	15 20 17
FGU	iP	15 19 52
GCA	eP	15 19 45
HHM	eP	15 20 48
SJP	iP	15 15 20
	ipP	15 28
	eS	18 07
TUT	eP	15 19 17
Sept. 22 COL	eP	15 41 17
FGU	iP	15 44 44
Sept. 22 HHM	i(P)	16 05 14
Sept. 22 BHP	eP	22 10 43
	iS	11 27
Sept. 22 COL	iP	22 33 22
Sept. 22 BOZ	eP	22 54 19
COL	iP	22 50 59
EUR	iP	22 54 21
FGU	iP	22 54 47
GCA	eP	22 54 56
GUA	iP	22 56 16
HHM	iP	22 53 52
	iPcP	56 25
RCD	iP	22 54 05
SJP	iP	22 59 28
THU	iP	22 55 01
	i	55 13
TUT	e(P)	22 53 36
	ePcP	55 26

Date and Station		Phase (GCT)
		h m s
Sept. 22		
SLC	eP	23 18 08
Sept. 22		
FGU	iP	23 37 47
	i	38 17
SLC	eP	23 37 14
Sept. 23		
COL	eP	00 32 04
FGU	eP	00 29 22
GCA	eP	00 29 33
SJP	iP	00 22 45
	eS	24 05
	eL	24 17
TUC	eP	00 29 27
TUT	eP	00 29 27
Sept. 23		
COL	iP	01 31 03
EUR	iP	01 31 21
	i	32 07
	ePP	34 48
FGU	eP	01 31 43
GCA	iP	01 31 35
HHM	eP	01 31 40
TUC	eP	01 31 31
TUT	eP	01 31 32
Sept. 23		
EUR	iP	01 52 12
FGU	iP	01 52 06
GCA	eP	01 51 54
HHM	iP	01 52 43
Sept. 23		
BHP	eP	02 06 37
	iS	07 25
Sept. 23		
BHP	eP	02 27 37
	iS	28 20
SJP	eP	02 30 37
	eS	33 28
Sept. 23		
COL	i(P)	02 44 03
EUR	i(P)	02 48 06
Sept. 23		
BHP	iP	02 53 25
	iS	54 07

Date and Station		Phase (GCT)
		h m s
SJP	eP	02 56 24
Sept. 23		
EUR	iP	03 14 07
FGU	iP	03 14 02
GCA	eP	03 13 48
HHM	iP	03 14 40
TUC	eP	03 13 25
TUT	eP	03 13 25
Sept. 23		
BHP	eP	03 21 29
	eS	22 11
Sept. 23		
EUR	e(P)	03 50 30
Sept. 23		
COL	eP	05 32 05
Sept. 23		
COL	iP	06 25 51
EUR	iP	06 25 20
GCA	eP	06 25 27
TUC	eP	06 25 18
Sept. 23		
BOZ	eP	08 44 02
FGU	eP	08 44 55
HHM	e(P)	08 44 52
Sept. 23		
GUA	iP	10 23 06
	iS	23 43
Sept. 23		
GCA	iP	14 54 13
	i	54 34
Sept. 23		
EUR	e(P)	15 55 51
Sept. 23		
EUR	eP	16 07 42
HHM	i(P')	16 15 19
Sept. 23		
BHP	iP	16 50 20
	iS	51 41
COL	eP	17 00 48
EUR	eP	16 57 26
FGU	iP	16 57 03
GCA	iP	16 58 16
	i	59 13

Date and Station		Phase (GCT)
		h m s
HHM	iP	16 58 05
SJP	eP	16 53 48
Sept. 23		
COL	iP	16 57 25
Sept. 23		
EUR	iP	18 03 43
Sept. 23		
COL	iP	18 08 13
EUR	iP	18 11 23
		11 31
HHM	i(P)	18 10 55
TUT	e(P)	18 12 27
Sept. 23		
COL	iP	20 29 50
HHM	iP	20 30 35
Sept. 23		
COL	iP	21 32 31
Sept. 23		
BHP	iP	21 59 19
	iS	59 43
Sept. 23		
GCA	eP	22 33 20
Sept. 23		
SLC	eP	23 03 42
Sept. 23		
BOZ	eP	23 11 09
FGU	iP	23 12 02
	i	12 11
HHM	e(P)	23 12 08
Sept. 23		
COL	iP	23 15 19
EUR	iP	23 14 48
	ePP	17 53
GCA	eP	23 14 51
	i	14 55
FGU	iP	23 15 11
GUA	eP	23 11 58
Sept. 23		
EUR	iP	23 29 12
	ipP	29 41
FGU	iP	23 29 03

Date and Station		Phase (GCT)
		h m s
GCA	iP	23 28 52
	ipP	29 20
GUA	iP'	23 36 22
HHM	iP	23 29 42
	ipP	30 11
RCD	iP	23 29 04
SJP	eP	23 25 35
Sept. 24		
FGU	e(P)	01 13 33
Sept. 24		
TUT	e(P)	02 19 49
Sept. 24		
HHM	iP	02 47 53
	iS	48 08
	iL	48 10
Sept. 24		
TUT	e(P)	08 15 05
Sept. 24		
EUR	e(P)	08 40 50
Sept. 24		
COL	eP	08 57 05
EUR	eP	08 57 36
Sept. 24		
COL	iP	09 27 41
EUR	iP	09 28 11
Sept. 24		
SLC	eP	09 54 22
Sept. 24		
COL	eP	12 09 25
Sept. 24		
COL	eP	12 31 15
EUR	eP	12 31 46
Sept. 24		
COL	eP	12 40 17
EUR	eP	12 40 49
Sept. 24		
COL	iP	13 16 49
EUR	e(P)	13 16 18
Sept. 24		
COL	iP	14 04 00
EUR	iP	14 04 21
	ipP	04 58
FGU	eP	14 04 39

Date and Station		Phase (GCT) h m s
GCA	e(P)	14 04 36
GUA	eP	13 58 12
SLC	eP	14 05 11
TUC	e(P)	14 05 04
TUT	eP	14 04 33
Sept. 24		
COL	iP	14 10 54
	ipP	11 29
EUR	iP	14 08 00
	ipP	08 31
	iPcP	08 56
FGU	iP	14 07 41
GCA	eP	14 07 32
HHM	iP	14 08 34
SJP	eP	14 03 27
	ipP	03 55
TUC	iP	14 07 04
	epP	07 35
Sept. 24		
COL	iP	14 29 07
EUR	eP	14 28 41
	e	28 50
FGU	eP	14 29 09
TUT	e(P)	14 28 42
Sept. 24		
GUA	eP	16 28 27
Sept. 24		
COL	iP	19 20 47
Sept. 24		
COL	iP	21 49 39
Sept. 24		
HHM	eP	22 47 55
	iL	49 00
Sept. 24		
SLC	eP	23 00 58
Sept. 24		
SLC	eP	23 05 18
Sept. 24		
SLC	eP	23 08 05
Sept. 24		
COL	iP	23 29 48
EUR	iP	23 33 42

Date and Station		Phase (GCT) h m s
FGU	iP	23 33 58
Sept. 25		
COL	eP	02 50 02
GCA	e(P)	02 49 38
Sept. 25		
COL	iP	03 08 53
	e	09 19
Sept. 25		
HHM	eP	07 24 36
Sept. 25		
COL	eP	07 51 04
EUR	e(P)	07 53 48
FGU	eP	07 53 51
GUA	eP	07 45 13
HHM	e(P)	07 53 27
Sept. 25		
GCA	iP	07 59 56
	i	08 00 14
Sept. 25		
COL	iP	08 49 04
Sept. 25		
COL	iP	13 18 37
EUR	eP	13 20 29
GUA	eP	13 08 23
	iP	08 28
	eS	09 14
Sept. 25		
COL	e(P)	14 17 50
	iP	18 17
Sept. 25		
HHM	iP	15 12 14
	iL	12 30
Sept. 25		
BOZ	eP	15 51 51
BUT	eP	15 51 45
COL	iP	15 51 49
EUR	iP	15 51 16
	iPcP	51 31
	ipP	51 41
FGU	iP	15 51 43
GCA	iP	15 51 25
HHM	iP	15 51 48
TUC	iP	15 51 15

Date and Station		Phase (GCT) h m s
TUT	eP	15 51 15
Sept. 25		
COL	iP	17 16 47
	i	17 06
Sept. 25		
BOZ	eP	17 43 34
BUT	eP	17 42 42
	epP	43 29
COL	iP	17 40 38
	ipP	41 12
	esP	41 21
EUR	iP	17 42 42
	ipP	43 32
FGU	iP	17 43 02
	e	43 44
GCA	iP	17 43 03
GUA	iP	17 31 45
	iS	32 50
HHM	iP	17 42 34
	i	43 22
Sept. 25		
GCA	i(P)	17 43 29
	i	44 27
SLC	eP	17 43 41
TUC	eP	17 42 26
	iP	42 28
	iL	43 49
Sept. 25		
FGU	eP	18 52 00
	i	52 13
SJP	eP	18 47 52
Sept. 25		
SLC	eP	22 29 48
Sept. 25		
EUR	e(P)	23 39 06
FGU	e(P)	23 39 08
GUA	iP	23 30 59
Sept. 25		
EUR	iP	23 58 15
	iS	58 53
FGU	iP	23 58 08
	iL	58 43
GCA	iP	23 57 49
	i	58 15
SLC	eP	23 58 00

Date and Station		Phase (GCT) h m s
Sept. 26		
BOZ	eP	00 44 30
BUT	eP	00 44 34
EUR	iP	00 44 17
	ipP	44 46
	isP	45 02
	ePP	47 01
FGU	iP	00 44 06
	ipP	44 35
GCA	iP	00 43 55
	ipP	44 24
GUA	iP'	00 51 44
	ipP'	52 14
	isP'	52 28
HHM	iP	00 44 46
	ipP	45 16
RCD	i(P)	00 44 06
SLC	eP	00 44 11
SJP	eP	00 40 29
	ipP	40 57
TUC	iP	00 43 31
	ipP	44 02
TUT	eP	00 43 30
Sept. 26		
BHP	iP	01 15 42
	iS	16 07
Sept. 26		
COL	eP	01 21 46
Sept. 26		
COL	iP	02 43 20
EUR	iP	03 43 00
GCA	e(P)	03 42 52
	i	43 10
TUC	iP	03 43 02
TUT	eP	03 43 02
Sept. 26		
GCA	e(P)	07 23 14
Sept. 26		
SJP	eP	07 48 02
Sept. 26		
COL	iP	08 55 33
EUR	iP	08 59 17
FGU	eP	08 59 47
RCD	eP	08 59 44

Date and Station		Phase (GCT)
		h m s
TUC	eP	09 00 18
TUT	e(P)	09 00 12
Sept. 26		
COL	eP	09 55 20
Sept. 26		
BUT	eP	11 48 45
COL	iP	11 46 09
	ipP	46 20
	i	46 42
EUR	iP	11 48 58
	ipP	49 12
FGU	iP	11 49 12
	ipP	49 26
GCA	eP	11 49 18
GUA	eP	11 41 24
HHM	iP	11 48 35
	ipP	48 48
TUC	eP	11 49 36
	ipP	49 50
TUT	eP	11 49 36
Sept. 26		
BHP	iP	15 15 18
	iS	16 08
EUR	iP	15 23 39
FGU	iP	15 23 31
SJP	eP	15 18 27
Sept. 26		
BCN	eP	15 21 29
BOZ	eP	15 21 00
BUT	eP	15 20 52
COL	iP	15 17 39
	eS	21 23
CSC	eP	15 24 05
EUR	iP	15 21 05
	iPP	22 29
FGU	iP	15 21 29
	e	27 12
GCA	iP	15 21 38
GUA	e(P)	15 22 28
	eP	22 35
HHM	iP	15 20 33
	iPcP	22 56
RCD	iP	15 21 44

Date and Station		Phase (GCT)
		h m s
SLC	eP	15 21 18
SJP	iP	15 26 03
	i	26 31
SIT	eP	15 18 24
THU	eP	15 21 29
TUT	iP	15 22 17
	ePcP	23 35
Sept. 26		
COL	iP	15 54 36
Sept. 26		
BHP	iP	17 03 46
BCN	e(P)	17 08 45
BOZ	eP	17 09 20
BUT	eP	17 09 29
COL	iP	17 11 40
	ipP	12 09
	isP	12 23
CSC	eP	17 07 03
	ipP	07 30
EUR	iP	17 09 09
	iPcP	09 33
	ipP	09 38
FGU	iP	17 08 53
	epP	09 20
	eS	18 25
	eP'P'	37 19
GCA	iP	17 08 42
	ipP	09 10
GUA	iP'	17 17 38
	ipP'	18 08
HHM	iP	17 09 41
	epP	10 10
RCD	iP	17 08 52
	ipP	09 20
SLC	eP	17 09 00
SJP	eP	17 04 52
	ePP	06 16
	iPcP	07 26
Sept. 26		
COL	eP	17 44 18
FGU	e(P)	17 51 02
GCA	eP	17 51 31
	e	52 19
HHM	eP	17 50 47
	iP	50 51
	iL	51 30

Date and Station		Phase (GCT)
		h m s
Sept. 26		
FGU	eP	18 52 19
	i	53 26
Sept. 26		
COL	eP	19 00 41
Sept. 26		
BHP	iP	20 13 28
	iS	14 13
Sept. 26		
BHP	iP	20 56 43
	iS	57 00
Sept. 26		
COL	iP	21 22 40
	i	22 51
FGU	e(P)	21 22 12
	e	22 36
GCA	iP	21 22 18
HHM	eP	21 22 40
TUT	eP	21 22 10
Sept. 26		
SLC	eP	22 59 42
Sept. 26		
FGU	iP	23 19 32
Sept. 27		
SJP	eP	01 03 32
	i	03 40
Sept. 27		
EUR	iP	02 26 56
FGU	eP	02 26 51
GCA	eP	02 26 39
SJP	eP	02 24 14
TUC	eP	02 26 17
TUT	eP	02 26 18
Sept. 27		
FGU	eP	04 39 29
HHM	eP	04 39 31
	eL	40 33
Sept. 27		
EUR	EP	05 21 27
GCA	eP	05 22 23
Sept. 27		
TUC	e(P)	05 51 17
Sept. 27		
BOZ	eP	05 59 40
COL	iP	05 56 17

Date and Station		Phase (GCT)
		h m s
EUR	iP	05 59 48
	iPP	06 01 22
FGU	iP	06 00 00
	iScP	05 20
GCA	eP	06 00 21
	eScP	05 27
HHM	iP	05 59 16
	iPP	06 01 09
	iScP	04 51
RCD	iP	06 00 23
SJP	iP	06 04 24
TUC	iP	06 00 48
	ipP	01 06
	eScP	05 43
TUT	iP	06 00 49
UKI	eP	05 59 15
Sept. 27		
COL	iP	06 03 42
EUR	iP	06 05 09
Sept. 27		
COL	iP	07 30 27
EUR	eP	07 32 00
	ePP	36 24
FGU	e(P)	07 31 54
GUA	eP	07 21 59
	e(S)	25 12
SJP	eP'	07 37 48
	iP'	38 01
	ipP'	38 12
Sept. 27		
EUR	iP	07 39 06
Sept. 27		
HHM	e(P)	10 32 38
Sept. 27		
COL	e(P)	10 47 33
Sept. 27		
SJP	eP	12 22 16
Sept. 27		
HHM	eP	12 46 53
Sept. 27		
TUC	e(P)	13 06 14
Sept. 27		
FGU	iP	15 34 42
	i	35 16

Date and Station		Phase	(GCT) h m s
GCA		iP	15 35 00
		i	35 34
Sept. 27 COL		iP	16 16 15
		i	17 30
EUR		eP	16 18 58
FGU		iP	16 19 06
HHM		eP	16 18 35
Sept. 27 TUT		eP	17 01 47
Sept. 27 BHP		iP	18 09 55
		iS	10 19
Sept. 27 FGU		iP	18 38 45
Sept. 27 BOZ		eP	18 48 36
BUT		eP	18 48 33
COL		iP	18 46 36
EUR		iP	18 48 31
		ipP	49 04
FGU		iP	18 48 50
		ipP	49 18
GCA		iP	18 48 50
GUA		iP	18 36 16
		iS	36 33
HHM		iP'	18 48 25
RCD		iP	18 49 04
SLC		eP	18 48 43
UKI		eP	18 48 03
Sept. 27 FGU		iP	20 27 14
		iL	27 46
SLC		eP	20 27 08
		iS	27 37
		iL	28 03
Sept. 27 FGU		eP	22 54 04
HHM		eP	22 53 45
		eL	54 40
Sept. 27 GCA		iP	23 17 02
Sept. 27 HHM		e(P)	23 22 53
		eL	23 25
Sept. 27 EUR		eP	23 43 37
FGU		eP	23 43 45
Sept. 28 EUR		iP	00 16 21
		ipP	16 41
FGU		iP	00 16 06
SJP		eP	00 12 20
TUT		eP	00 15 28
Sept. 28 FGU		eP	01 21 37
GCA		iP	01 22 30
Sept. 28 BHP		iP	01 29 01
		iS	29 27
Sept. 28 EUR		eP	02 30 26
FGU		iP	02 30 21
TUC		eP	02 29 46
TUT		eP	02 29 47
Sept. 28 COL		e(P)	03 03 48
Sept. 28 COL		i(P)	03 57 17
Sept. 28 FGU		eP	04 20 58
Sept. 28 COL		eP	05 40 53
HHM		eP	05 43 00
Sept. 28 GCA		i(P)	06 28 03
		i	29 46
TUT		e(P)	06 27 32
		eS	29 01
Sept 28 FGU		eP	07 06 31
		e	07 10
		i	07 45
Sept. 28 EUR		iP	08 17 16
FGU		iP	08 17 10
GCA		eP	08 16 59
TUC		eP	08 16 34
TUT		eP	08 16 35
Sept. 28 COL		iP	09 23 09
EUR		eP	09 22 09
FGU		eP	09 22 05
HHM	iP	iP	09 22 19
Sept. 28 COL		iP	16 21 50
Sept. 28 COL		iP	17 46 31
		e	47 25
FGU		iP	17 46 37
GCA		iP	17 46 23
HHM		iP	17 46 40
Sept. 28 FGU		iP	20 02 19
		i	03 49
HHM		e(P)	20 04 37
Sept. 28 COL		eP	22 19 43
Sept. 28 HHM		iP	22 35 57
Sept. 28 COL		iP	22 49 55
Sept. 28 FGU		eP	23 01 57
Sept. 28 SLC		eP	23 24 58
Sept. 29 FGU		iP	00 14 55
		iL	15 23
SLC		iP	00 14 23
		i	14 43
Sept. 29 COL		eP	00 49 32
Sept. 29 GCA		iP	05 59 29
Sept. 29 GCA		iP	06 30 23
Sept. 29 FGU		eP	06 35 03
Sept. 29 BCN		eP	06 38 53
BOZ		eP	06 39 23
BUT		eP	06 39 28
COL		iP	06 41 37
		ipP	42 12
		ePP	45 26
CSC		eP	06 37 02
		epP	37 42
FGU		iP	06 38 55
		ipP	39 30
		iS	47 51
GCA		iP	06 38 46
		ipP	39 19
GUA		iP'	06 47 31
		ipP'	48 05
HHM		iP	06 39 41
		ipP	40 14
		eS	49 17
RCD		iP	06 38 53
SJP		iP	06 34 48
		ipP	35 07
		iPP	36 17
		epPP	36 47
		iPcP	37 16
SLC		eP	06 39 02
THU		iP	06 41 06
TUC		iP	06 38 21
UKI		eP	06 40 08
Sept. 29 SJP		eP	06 40 13
Sept. 29 BOZ		eP	10 32 07
		eS	32 17
		eL	32 27
BUT		iP	10 32 21
		iS	32 42
		eL	32 52
HHM		iP	10 32 56
		iL	34 03
Sept. 29 COL		eP	10 59 49
HHM		iP	11 00 41
Sept. 29 BCN		eP	11 30 56
		eS	40 43
BOZ		eP	11 30 49
		eS	40 29
		e(SSS)	49 39

Date and Station		Phase (GCT)
		h m s
BUT	eP	11 30 43
	eS	40 28
	eSS	46 22
	e	53 22
	eSKPP'	59 40
COL	iP	11 28 38
	iS	36 35
	iP'P'	57 14
CSC	eP'	11 36 43
	e	37 25
	eSKS	42 44
	eSKKS	43 46
FGU	iP	11 31 02
	i	31 22
	ipP	32 37
	iSKS	40 53
	iSP	42 28
	eSKPP'	12 00 38
GCA	iP	11 31 04
	i	31 05
	e	31 32
	ipP	32 37
	eP'	39 53
GUA	iP	11 20 20
	iS	21 29
	eScS	32 59
HON	iP	11 27 34
	i	28 09
	ePP	30 05
	eS	34 35
	esS	37 07
HHM	iP	11 30 34
	ipP	32 08
	e	33 17
	iS	40 17
	iSP	41 12
	esS	42 09
	esSP	43 50
	eSSS	48 50
	e	50 34
	eP'P'	56 32
	e	59 20
KIP	eP	11 27 33
	i	28 07
RCD	iP	11 31 15
	i(SKS)	41 09
	i(S)	41 41
SLC	eP	11 30 55
	eS	40 43
SJP	eP'	11 37 05
	iP'	37 19
	e(pP')	39 02
	iPP	40 05
	epPP	41 38
	ePPP	43 04
	iSP	49 45

Date and Station		Phase (GCT)
		h m s
SIT	eP	11 29 14
	eSS	37 46
THU	eP	11 30 30
	iP	30 31
	ipP	32 07
TUC	iP	11 31 16
	i	31 18
	epP	32 52
	eSKS	41 12
	iS	41 43
	iSP	42 47
	e	54 08
UKI	iP	11 30 18
	e	39 48
Sept. 29		
GUA	iP	11 52 52
	iS	53 06
Sept. 29		
COL	iP	12 21 04
	ipP	22 15
FGU	eP	12 23 53
	epP	25 05
GCA	eP	12 23 57
HHM	iP	12 23 19
	epP	24 24
Sept. 29		
COL	iP	12 45 48
FGU	iP	12 44 04
GCA	iP	12 44 35
HHM	iP	12 44 25
Sept. 29		
FGU	eP	14 21 02
	iL	22 03
HHM	iP	14 20 54
	iL	21 59
Sept. 29		
HHM	eP	14 42 51
	eL	43 54
Sept. 29		
BHP	iP	18 57 14
BOZ	eP	19 01 16
BUT	eP	19 01 23
COL	eP	19 04 48
CSC	eP	18 59 00
	eS	19 02 50
FGU	iP	19 00 37
	ipP	00 54
	i	02 18
	eL	08 15

Date and Station		Phase (GCT)
		h m s
HHM	eP	19 01 44
SJP	eP	18 59 28
TUC	eP	18 59 53
	iS	19 04 38
	eL	08 37
TUT	iP	18 59 57
	i	19 00 04
	e	00 58
Sept. 29		
COL	iP	20 44 03
Sept. 29		
GCA	iP	21 48 20
Sept. 29		
FGU	eP	21 53 45
	i	53 48
GCA	eP	21 53 36
Sept. 29		
EUR	iP	22 24 46
FGU	iP	22 24 38
GCA	iP	22 24 26
	ipP	24 56
HHM	iP	22 25 15
SJP	iP	22 21 17
TUT	eP	22 24 02
Sept. 29		
BUT	eP	23 25 04
Sept. 30		
COL	iP	01 50 34
EUR	eP	01 50 01
FGU	iP	01 50 26
GCA	eP	01 50 09
HHM	eP	01 50 32
TUC	eP	01 50 00
TUT	eP	01 49 59
Sept. 30		
COL	iP	02 31 12
EUR	iP	02 33 47
FGU	iP	02 34 01
GUA	eP	02 25 21
	e	25 28
HHM	iP	02 33 27

Date and Station		Phase (GCT)
Sept. 30		h m s
COL	eP	03 24 31
EUR	eP	03 23 34
	i	23 50
FGU	eP	03 24 13
GCA	iP	03 24 29
HHM	eP	03 22 45
	eL	26 04
TUC	eP	03 25 14
TUT	eP	03 25 13
Sept. 30		
COL	eP	06 27 53
EUR	eP	06 27 00
FGU	eP	06 27 37
HHM	e(P)	06 26 16
	eL	29 23
TUC	e(P)	06 28 38
Sept. 30		
BCN	e(P)	06 39 25
BOZ	eP	06 38 17
	eS	42 18
	eL	44 48
BUT	eP	06 38 01
	eS	41 09
	eL	43 05
COL	iP	06 39 22
	iS	42 59
CSC	e(P)	06 42 46
	e	56 16
EUR	eP	06 38 26
FGU	eP	06 39 04
	i	39 06
	iS	41 29
	iL	42 27
GCA	eP	06 39 21
	i	39 26
	eL	43 04
HHP	eP	06 37 37
	eL	40 06
RCD	iP	06 39 30
SLC	eP	06 38 43
	eS	44 17
SIT	e(P)	06 32 16
	e	32 30
	eL	39 21

Date and Station		Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)
		h m s		h m s		h m s		h m s
TUC	iP	06 40 07						
	e	40 21						
	eS	44 31						
	eL	48 32						
TUT	eP	06 40 06						
UKI	eP	06 37 49						
	e	37 52						
WAS	eP	06 42 31						
	eL	53 31						
Sept. 30								
COL	iP'	07 55 53						
EUR	iP	07 49 59						
FGU	iP	07 49 55						
	epP	50 04						
GCA	iP	07 49 43						
HHM	eP	07 50 30						
SJP	eP	07 47 08						
TUC	eP	07 49 20						
	epP	49 28						
TUT	eP	07 49 19						
Sept. 30								
EUR	iP	09 37 24						
Sept. 30								
EUR	eP	09 47 26						
Sept. 30								
TUT	eP	10 55 05						
Sept. 30								
HHM	eP	13 27 04						
Sept. 30								
FGU	iP	14 57 21						
GCA	eP	14 57 07						
HHM	e(P)	14 57 57						
	e	58 04						
TUT	eP	14 56 45						
Sept. 30								
GCA	iP	19 01 29						
	i	01 34						
Sept. 30								
COL	eP	21 16 54						

Date and Station	Phase (GCT)
	h m s
Local and Minor Earthquakes	
September	
BOZ	
26	17.8
27	04.7
28	14.1
BUT	
1	05.1
	05.6
2	15.7
	15.9
8	20.3
	22.4
	22.6
9	23.5
	23.6
12	09.1
	12.2
14	03.7
	16.2
18	16.5
	20.9
23	08.7
24	02.8
29	14.3
COL	
4	12.9
5	03.8
	06.3
7	21.7
9	01.5
	09.8
12	07.5
14	20.7
19	16.4
27	11.4
	22.9
30	18.2
EUR	
1	22.7
	23.0
2	18.1
3	04.8
	16.3
4	22.3
5	01.9
6	19.5
8	08.9
	08.7
9	01.0
11	00.1
	15.0
13	13.7
15	09.6
	13.3
	13.6
16	02.7
17	21.7
18	14.2
	22.5
19	16.5
21	00.4
	05.3

Date and Station	Phase (GCT)
	h m s
23	22.2
24	01.0
27	12.0
FGU	
1	04.0
	02.5
	19.4
	23.0
2	14.7
3	01.8
	01.9
	02.0
	04.0
	04.6
	04.8
	13.7
4	00.2
	18.1
	23.1
6	23.4
7	20.0
8	05.7
	08.4
	17.7
	23.1
9	02.2
	15.3
	19.2
	22.4
	23.0
10	08.0
	08.3
11	11.0
	15.0
12	23.6
13	12.5
	23.6
14	23.0
	23.6
15	00.9
	06.8
	13.3
18	22.6
21	23.4
	23.7
24	04.2
	20.0
	21.7
25	00.8
26	10.8
28	06.4
	18.4
30	00.9
GCA	
2	23.3
5	12.7
6	22.3
7	22.6
10	21.8
11	00.2
	00.4
	15.0
12	21.5
13	13.8
14	19.3

Date and Station	Phase (GCT)
	h m s
18	00.6
26	23.9
HON	
20	17.5
SJP	
2	10.4
4	23.2
10	20.9
12	06.8
14	04.3
	09.2
	11.8
15	01.8
18	13.6
20	02.7
21	02.2
	04.4
	08.3
	19.2
28	21.8
29	00.5
30	23.9
SIT	
1	02.0
	10.1
	15.8
	15.9
TUC	
9	12.5
11	20.1
15	07.1
	07.2
	09.6
19	05.0
22	01.9
23	22.9
24	08.3
27	06.8
28	06.5
29	04.5
UKI	
15	09.6
23	13.9
24	09.9
	20.6

Date and Station	Phase (GCT)
	h m s