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SEISMOLOGICAL BULLETIN

May, 1961

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COAST & GEODETIC SURVEY
20 1961
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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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1961

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. C. (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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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 electronic 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 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
1	00 42 07.2	35.6 N.	141.3 E.	Near east coast of Honshu, Japan. h about 52 km.
1	01 37 39.2	35.0 N.	59.0 E.	Eastern Iran. h about 33 km.
1	02 41 39.4	40.8 N.	127.6 W.	Off coast of northern California. h about 32 km.
1	02 50 48.7	40.7 N.	127.5 W.	Off coast of northern California. h about 33 km.
1	03 23 51.3	40.8 N.	127.5 W.	Off coast of northern California. h about 25 km.
1	03 45 04.1	18.8 S.	174.3 W.	Tonga Islands. h about 25 km.
1	07 21 25.8	40.9 N.	127.5 W.	Off coast of northern California. h about 33 km.
1	07 45 09.6	45.6 N.	149.6 E.	Kurile Islands. h about 25 km.
1	10 07 29.7	41.1 N.	127.0 W.	Off coast of northern California. h about 33 km.
1	11 06 26.0	2.8 N.	127.5 E.	Molucca Passage. h about 135 km.
1	12 19 05.6	40.8 N.	127.5 W.	Off coast of northern California. h about 29 km.
1	12 57 14.1	41.0 N.	126.5 W.	Off coast of northern California. h about 33 km.
1	18 45 27.2	40.8 N.	127.3 W.	Off coast of northern California. h about 33 km.
1	21 30 02.3	40.9 N.	126.5 W.	Off coast of northern California. h about 16 km.
2	00 46 45.2	18.7 S.	173.3 W.	Tonga Islands. h about 33 km.
2	01 28 59.1	41.1 N.	127.3 W.	Off coast of northern California. h about 29 km.
2	01 30 42.1	17.4 S.	178.7 W.	Fiji Islands. h about 608 km.
2	03 11 45.7	71.3 N.	6.9 W.	Jan Mayen Island region. h about 22 km.
2	06 42 42.0	5.3 S.	151.5 E.	New Britain region. h about 81 km.
2	09 57 44.1	45.5 N.	148.9 E.	Kurile Islands. h about 90 km.
2	10 10 32.3	40.9 N.	127.2 W.	Off coast of northern California. h about 36 km.
2	11 18 05.2	44.4 N.	149.6 E.	Kurile Islands. h about 50 km.
2	11 18 50.2	16.3 N.	93.8 W.	Chiapas, Mexico. h about 67 km.
2	18 50 57.5	15.3 S.	173.1 W.	Samoa Islands region. h about 71 km.
2	19 38 13.5	28.0 S.	176.4 W.	Kermadec Islands region. h about 53 km.
2	19 39 38.2	27.7 S.	176.7 W.	Kermadec Islands region. h about 77 km.
2	20 49 30.2	32.9 S.	178.3 W.	Kermadec Islands region. h about 43 km.
2	22 14 21.1	17.1 S.	167.8 E.	New Hebrides Islands. h about 46 km.
2	22 37 55.5	41.0 N.	127.0 W.	Off coast of northern California. h about 22 km.
2	22 44 44.3	28.0 S.	176.5 W.	Kermadec Islands region. h about 47 km. Mag. 6-3/4.
2	23 23 59.8	27.8 S.	176.4 W.	Kermadec Islands region. h about 33 km.
3	00 26 19.3	0.8 N.	26.3 W.	Mid-Atlantic Ocean. h about 33 km.
3	08 48 52.9	40.8 N.	127.6 W.	Off coast of northern California. h about 25 km.
3	08 56 28.3	45.3 N.	150.1 E.	Kurile Islands. h about 20 km.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
3	09 26 01.6	40.7 N.	128.1 W.	Off coast of northern California. h about 33 km.
3	12 16 46.7	51.9 N.	168.3 W.	Fox Islands, Aleutian Islands. h about 47 km.
3	13 10 04.0	18.5 N.	122.2 E.	Near coast of Luzon, Philippine Islands. h about 25 km.
3	14 03 06.8	17.7 N.	103.6 W.	Near coast of Mexico. h about 33 km.
3	16 54 11.4	28.0 S.	176.1 W.	Kermadec Islands region. h about 49 km.
3	17 03 06.2	28.1 S.	176.4 W.	Kermadec Islands region. h about 60 km.
3	19 00 40.7	27.9 S.	176.0 W.	Kermadec Islands region. h about 44 km.
4	02 17 34.0	40.8 N.	127.1 W.	Off coast of northern California. h about 25 km.
4	03 33 03.5	18.0 S.	178.5 W.	Fiji Islands. h about 601 km.
4	06 46 37.6	18.3 N.	46.6 W.	North Atlantic Ocean. h about 33 km.
4	07 00 32.9	17.8 N.	46.4 W.	North Atlantic Ocean. h about 19 km.
4	10 29 18.3	20.7 S.	174.1 W.	Tonga Islands. h about 25 km.
4	15 23 17.3	0.6 S.	98.8 E.	Near coast of Sumatra. h about 41 km.
4	17 46 25.4	5.0 N.	127.6 E.	Molucca Passage. h about 25 km.
4	20 20 36.5	5.1 S.	81.0 W.	Near coast of northern Peru. h about 49 km.
4	20 36 42.4	41.3 N.	127.0 W.	Off coast of northern California. h about 33 km.
4	20 59 07.8	40.7 N.	127.5 W.	Off coast of northern California. h about 33 km.
5	06 39 06.3	28.0 S.	176.3 W.	Kermadec Islands region. h about 50 km.
5	08 44 15.7	27.5 S.	176.4 W.	Kermadec Islands region. h about 42 km.
5	12 30 20.7	72.1 N.	4.3 W.	Jan Mayen Island region. h about 33 km.
5	13 07 53.3	40.7 N.	127.1 W.	Off coast of northern California. h about 36 km.
5	13 43 21.7	27.8 S.	176.2 W.	Kermadec Islands region. h about 64 km. Mag. 6¼.
5	14 52 33.6	44.8 N.	110.2 W.	Yellowstone National Park, Wyoming. h about 26 km.
5	15 28 50.7	27.5 S.	176.1 W.	Kermadec Islands region. h about 60 km.
5	17 41 21.1	8.0 S.	161.0 E.	Solomon Islands region. h about 73 km.
5	19 02 14.7	27.8 S.	176.0 W.	Kermadec Islands region. h about 35 km.
5	19 31 03.5	41.3 N.	78.3 E.	Sinkiang Province, China. h about 33 km.
5	20 37 14.3	27.6 S.	176.4 W.	Kermadec Islands region. h about 59 km.
5	20 46 59.3	28.1 S.	176.2 W.	Kermadec Islands region. h about 50 km.
6	03 55 23.3	20.0 S.	68.5 W.	Chile-Bolivia border. h about 247 km.
6	16 04 33.1	37.6 N.	11.2 E.	Off coast of Tunisia. h about 30 km.
6	16 12 20.7	39.6 N.	110.2 W.	Utah. h about 25 km.
6	19 13 08.2	2.8 N.	76.2 W.	Western Colombia. h about 71 km.
6	19 38 04.6	1.2 S.	15.5 W.	Mid-Atlantic Ocean. h about 24 km.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
6	21 16 34.3	6.3 N.	126.4 E.	Near coast of Mindanao, Philippine Islands. h about 93 km.
6	22 03 24.5	44.8 N.	110.2 W.	Yellowstone National Park, Wyoming. h about 36 km.
6	22 25 05.5	49.7 N.	176.5 W.	Andreanof Islands, Aleutian Islands. h about 20 km.
6	22 32 49.7	6.3 N.	126.3 E.	Near coast of Mindanao, Philippine Islands. h about 110 km.
6	23 13 25.2	17.4 S.	167.9 E.	New Hebrides Islands. h about 33 km.
6	23 40 54.7	51.7 S.	161.3 E.	Macquarie Islands region. h about 21 km.
7	00 25 38.1	6.0 S.	154.5 E.	Solomon Islands region. h about 71 km. Mag. 6-1/2 - 6-3/4.
7	00 59 06.3	44.5 N.	149.4 E.	Kurile Islands. h about 37 km.
7	01 57 02.4	8.3 N.	38.0 W.	North Atlantic Ocean. h about 25 km.
7	02 43 58.5	8.2 N.	38.1 W.	North Atlantic Ocean. h about 46 km.
7	04 22 19.5	20.1 N.	108.9 W.	Revilla Gigedo Islands region. h about 20 km.
7	04 32 14.5	8.6 S.	111.4 E.	Near coast of Java. h about 113 km.
7	04 34 11.8	44.6 N.	149.2 E.	Kurile Islands. h about 67 km.
7	04 36 31.3	20.3 S.	175.1 W.	Tonga Islands. h about 50 km.
7	06 03 03.3	40.8 N.	127.0 W.	Off coast of northern California. h about 32 km.
7	09 01 26.4	40.8 N.	127.8 W.	Off coast of northern California. h about 25 km.
7	10 22 43.7	5.8 N.	126.8 E.	Off coast of Mindanao, Philippine Islands. h about 89 km.
7	12 14 17.1	35.0 N.	134.4 E.	Honshu, Japan. Felt. h about 34 km.
7	12 20 03.3	35.0 N.	134.3 E.	Honshu, Japan. Felt. h about 33 km.
7	13 22 04.8	16.1 N.	46.9 W.	North Atlantic Ocean. h about 39 km.
7	14 50 54.8	5.3 S.	151.2 E.	New Britain region. h about 76 km.
7	15 26 30.8	40.9 N.	127.2 W.	Off coast of northern California. h about 33 km.
7	15 40 53.4	71.6 N.	6.3 W.	Jan Mayen Island region. h about 33 km.
7	16 19 05.9	40.6 N.	127.2 W.	Off coast of northern California. h about 31 km.
7	17 45 54.6	21.1 S.	174.0 W.	Tonga Islands. h about 33 km.
7	19 22 47.5	17.7 S.	168.0 E.	New Hebrides Islands. h about 33 km.
7	21 58 44.1	56.6 N.	155.8 W.	Kodiak Island region. h about 25 km.
7	22 40 44.2	7.0 S.	154.8 E.	Solomon Islands region. h about 171 km.
8	01 54 17.1	31.5 S.	67.4 W.	San Juan Province, Argentina. h about 84 km.
8	08 24 45.7	3.4 S.	135.6 E.	Near coast of western New Guinea. h about 41 km.
8	09 53 20.3	44.5 N.	148.4 E.	Kurile Islands. h about 33 km.
8	12 43 43.4	41.2 N.	127.3 W.	Off coast of northern California. h about 35 km.
8	14 24 48.6	28.1 S.	176.2 W.	Kermadec Islands region. h about 67 km.
8	16 26 52.2	14.6 S.	167.5 E.	New Hebrides Islands. h about 206 km.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
8	18 32 03.5	10.9 S.	75.1 W.	Peru. h about 60 km.
8	19 23 35.4	24.5 S.	69.7 W.	Northern Chile. Felt at Antofagasta. h about 48 km. Mag. 5¼ (Pal).
8	22 45 50.0	44.0 N.	11.8 E.	Italy. Felt. h about 21 km.
8	22 52 05.2	0.2 N.	123.5 E.	Northern Celebes. h about 88 km.
8	23 58 56.2	43.9 N.	127.9 W.	Off coast of Oregon. h about 32 km.
9	02 19 53.0	19.5 N.	109.0 W.	Revilla Gegido Islands region. h about 33 km.
9	08 16 05.9	28.0 S.	176.3 W.	Kermadec Islands region. h about 50 km.
9	09 18 08.6	22.9 S.	175.3 W.	Tonga Islands. h about 33 km.
9	11 06 26.2	6.2 S.	154.5 E.	Solomon Islands region. h about 110 km.
9	11 48 58.5	6.9 S.	106.9 E.	Near coast of Java. h about 99 km.
9	12 03 06.7	40.7 N.	127.0 W.	Off coast of northern California. h about 33 km.
9	12 06 28.5	41.0 N.	127.2 W.	Off coast of northern California. h about 46 km.
9	13 25 29.8	3.6 S.	136.8 E.	Western New Guinea. h about 63 km.
9	17 27 44.9	13.9 N.	120.0 E.	Near coast of Luzon, Philippine Islands. h about 18 km.
10	06 15 15.9	19.3 S.	169.3 E.	Loyalty Islands region. h about 104 km.
10	08 55 59.9	9.2 N.	71.2 W.	Venezuela. Felt. h about 43 km.
10	10 05 13.7	15.9 S.	172.3 W.	Samoa Islands region. h about 52 km.
11	00 51 32.0	8.3 S.	112.6 E.	Near coast of Java. h about 96 km.
11	04 59 29.8	40.8 N.	127.2 W.	Off coast of northern California. h about 33 km.
11	05 26 37.0	19.0 S.	177.9 W.	Fiji Islands. h about 465 km.
11	07 11 47.9	6.4 S.	146.5 E.	Near coast of New Guinea. h about 122 km.
11	08 38 27.1	37.4 S.	73.6 W.	Near coast of Chile. h about 47 km. Mag. 6¼-6½.
11	12 55 19.3	27.4 N.	143.8 E.	Bonin Islands. h about 33 km.
11	13 25 42.3	43.7 N.	148.8 E.	Kurile Islands. h about 32 km.
11	13 36 37.8	44.2 N.	148.9 E.	Kurile Islands. h about 58 km.
11	18 48 50.7	40.9 N.	127.3 W.	Off coast of northern California. h about 43 km. Mag. 4½ (Brk).
12	03 40 20.1	0.0	97.9 E.	Near coast of Sumatra. h about 81 km.
12	04 44 28.6	27.9 S.	176.2 W.	Kermadec Islands region. h about 60 km.
12	06 26 00.4	11.8 S.	167.3 E.	Santa Cruz Islands. h about 100 km.
12	06 29 07.5	47.1 N.	152.6 E.	Kurile Islands. h about 38 km.
12	06 29 24.3	30.4 N.	113.1 W.	Gulf of California. h about 45 km.
12	06 47 24.0	24.5 N.	125.6 E.	Ryukyu Islands. h about 65 km.
12	07 24 07.6	28.3 S.	176.4 W.	Kermadec Islands region. h about 35 km.
12	12 57 36.3	22.8 S.	68.7 W.	Chile-Bolivia border. h about 120 km.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
12	16 47 41.7	11.6 N.	141.5 E.	West Caroline Islands region. h about 136 km.
12	17 36 59.9	40.8 N.	127.4 W.	Off coast of northern California. h about 27 km. Mag. 4½ (Brk).
12	21 26 39.3	19.4 S.	179.1 E.	Fiji Islands. h about 600 km.
12	21 50 10.3	41.2 N.	127.1 W.	Off coast of northern California. h about 33 km.
13	04 52 46.7	3.2 N.	128.6 E.	Halmahera region. h about 154 km.
13	05 43 16.1	41.1 N.	127.6 W.	Off coast of northern California. h about 25 km.
13	07 48 23.3	37.1 S.	72.1 W.	Near coast of Chile. Felt. h about 40 km.
13	08 47 36.7	40.8 N.	127.6 W.	Off coast of northern California. h about 43 km. Mag. 4½ (Brk).
13	12 45 09.2	12.4 N.	89.0 W.	Near coast of El Salvador. Felt in southern El Salvador. h about 33 km.
13	13 41 48.1	28.0 S.	176.2 W.	Kermadec Islands region. h about 32 km.
13	14 17 30.0	28.0 S.	176.6 W.	Kermadec Islands region. h about 50 km.
13	14 18 47.0	28.0 S.	176.3 W.	Kermadec Islands region. h about 50 km.
13	14 52 55.3	17.6 S.	178.8 W.	Fiji Islands. h about 556 km.
13	15 49 33.3	43.5 N.	147.9 E.	Off coast of Hokkaido, Japan. h about 41 km.
13	17 20 12.7	13.2 N.	143.9 E.	Mariana Islands region. h about 43 km.
13	18 45 44.9	41.2 N.	127.0 W.	Off coast of northern California. h about 25 km.
13	19 19 37.3	25.5 N.	122.6 E.	East China Sea. h about 261 km.
13	19 48 29.8	18.1 N.	100.4 W.	Guerrero, Mexico. h about 109 km.
14	00 12 33.6	39.8 S.	176.8 E.	North Island, New Zealand. Minor damage on North Island. h about 40 km.
14	02 43 22.7	28.1 S.	176.3 W.	Kermadec Islands region. h about 47 km.
14	03 04 10.0	4.1 S.	104.3 E.	Sumatra. h about 83 km.
14	08 21 23.4	21.0 S.	174.3 W.	Tonga Islands. h about 33 km.
14	10 25 09.6	7.1 S.	128.0 E.	Banda Sea. h about 60 km.
14	12 24 36.8	6.3 S.	146.2 E.	New Guinea. h about 79 km.
14	12 48 30.9	22.1 S.	179.5 W.	Fiji Islands region. h about 620 km.
14	13 20 02.9	16.8 S.	173.9 W.	Tonga Islands region. h about 95 km.
14	15 08 05.6	67.5 N.	18.4 W.	North of Iceland. h about 33 km.
14	15 38 07.5	67.8 N.	18.4 W.	North of Iceland. h about 23 km.
14	19 31 34.4	41.0 N.	127.4 W.	Off coast of northern California. h about 45 km. Mag. 4½ (Brk).
15	04 32 48.1	41.1 N.	127.4 W.	Off coast of northern California. h about 33 km.
15	11 13 46.8	7.1 S.	122.3 E.	Flores Sea. h about 248 km.
15	19 12 10.8	15.4 S.	166.6 E.	New Hebrides Islands. Felt at Santo. h about 58 km.
15	19 49 14.1	15.3 S.	166.4 E.	New Hebrides Islands. Felt at Santo. h about 47 km.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
15	20 53 15.2	20.2 S.	177.1 W.	Tonga Islands region. h about 168 km.
15	20 55 27.6	22.3 S.	179.9 E.	Fiji Islands region. h about 500 km.
16	03 32 11.7	52.0 N.	171.3 W.	Fox Islands, Aleutian Islands. h about 38 km.
16	03 52 43.1	52.0 N.	171.3 W.	Fox Islands, Aleutian Islands. h about 40 km.
16	06 52 51.1	30.8 S.	147.3 E.	New South Wales, Australia. h about 33 km.
16	12 05 03.6	41.4 N.	126.6 W.	Off coast of northern California. h about 25 km.
16	17 27 34.1	28.1 S.	176.4 W.	Kermadec Islands region. h about 53 km.
16	17 57 13.2	15.7 N.	87.3 W.	Honduras. h about 50 km.
16	21 45 24.0	30.2 N.	132.0 E.	Ryukyu Islands. h about 25 km. Mag. $5\frac{1}{4}$-$5\frac{1}{2}$ (Pal).
17	00 55 30.6	14.4 S.	170.4 E.	New Hebrides Islands. h about 137 km.
17	01 58 48.1	15.5 N.	87.0 W.	Honduras. h about 50 km.
17	03 21 52.4	40.7 N.	127.4 W.	Off coast of northern California. h about 48 km.
17	04 09 29.9	14.9 N.	85.9 W.	Honduras. h about 52 km.
17	04 24 55.0	12.7 N.	143.2 E.	Mariana Islands region. h about 27 km.
17	06 17 18.0	33.8 S.	70.2 W.	Chile-Argentina border. h about 130 km.
17	06 34 46.1	41.0 N.	126.2 W.	Off coast of northern California. h about 33 km.
17	08 34 03.2	49.2 N.	155.6 E.	Kurile Islands. h about 36 km.
17	19 29 19.3	52.2 N.	173.9 E.	Near Islands, Aleutian Islands. Felt on Shemya. h about 21 km. Mag. 6.
17	22 35 44.5	15.5 S.	172.6 W.	Samoa Islands region. h about 25 km.
18	00 23 45.2	33.5 N.	99.3 E.	Tsinghai province, China. h about 27 km.
18	03 09 08.9	53.2 N.	165.6 W.	Andreanof Islands, Aleutian Islands. h about 30 km.
18	04 35 26.7	15.9 N.	87.2 W.	Honduras. h about 33 km.
18	08 51 02.7	41.0 N.	127.2 W.	Off coast of northern California. h about 33 km.
18	09 37 54.8	40.7 N.	127.5 W.	Off coast of northern California. h about 36 km.
18	09 39 19.6	73.7 N.	8.5 E.	Svalbard region. h about 33 km.
18	11 37 50.7	38.5 N.	118.3 W.	Southeast of Hawthorne, Nevada. h about 47 km. Mag. 4.2.
18	20 38 05.4	4.5 N.	125.8 E.	Off coast of Mindanao, Philippine Islands. h about 170 km.
18	22 07 56.9	3.9 S.	104.1 W.	Southwest of Galapagos Islands. h about 33 km.
18	23 10 18.6	38.2 S.	73.3 W.	Near coast of Chile. Felt at Angol. h about 40 km.
18	23 57 27.9	41.4 N.	127.2 W.	Off coast of northern California. h about 33 km.
19	00 50 20.8	3.8 N.	125.7 E.	Off coast of Mindanao, Philippine Islands. h about 77 km.
19	01 44 05.5	22.6 S.	179.0 W.	Fiji Islands region. h about 615 km.
19	02 21 31.8	22.7 S.	179.2 E.	Fiji Islands region. h about 600 km.
19	03 42 31.1	15.9 S.	172.8 W.	Samoa Islands region. h about 25 km.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
19	08 31 43.4	5.5 N.	74.7 W.	Colombia. h about 237 km.
19	09 13 23.1	10.6 S.	164.3 E.	Santa Cruz Islands region. h about 91 km.
19	09 25 41.3	12.8 N.	88.2 W.	Near coast of El Salvador. Felt in southeastern El Salvador. h about 68 km. Mag. 4-1/2 - 4-3/4 (Pal).
19	16 37 26.7	23.8 N.	123.5 E.	Ryukyu Islands. h about 50 km.
19	21 30 16.8	38.5 N.	72.6 E.	Tadzhik, S.S.R. h about 37 km.
20	00 44 08.3	52.1 N.	170.7 W.	Fox Islands, Aleutian Islands. h about 33 km.
20	07 06 49.1	73.9 N.	8.6 E.	Svalbard region. h about 33 km.
20	11 51 01.2	44.2 N.	148.8 E.	Kurile Islands. h about 59 km.
20	12 12 27.4	30.2 S.	70.6 W.	Near Chile-Argentina border. h about 45 km.
20	17 23 20.6	75.5 N.	21.1 E.	Svalbard region. h about 33 km.
20	17 47 19.3	73.0 N.	5.6 E.	Svalbard region. h about 46 km.
20	17 52 01.3	6.4 S.	30.8 E.	Tanganyika. h about 33 km.
20	19 52 10.0	5.5 S.	154.5 E.	Solomon Islands region. h about 81 km.
20	23 20 04.4	10.7 S.	161.9 E.	Solomon Islands. h about 47 km.
21	01 05 53.2	48.0 N.	86.4 E.	Northern Sinkiang Province, China. h about 33 km.
21	05 24 17.8	42.7 N.	144.6 E.	Near east coast of Hokkaido, Japan. h about 18 km.
21	06 29 19.2	22.9 S.	176.6 W.	Tonga Islands region. h about 67 km.
21	07 58 35.3	40.8 N.	127.0 W.	Off coast of northern California. h about 33 km.
21	08 34 00.3	10.8 S.	77.9 W.	Near coast of Peru. h about 80 km.
21	08 43 22.5	17.4 S.	174.7 W.	Tonga Islands. h about 60 km.
21	10 13 47.7	23.9 N.	123.5 E.	Ryukyu Islands. h about 63 km.
21	12 43 04.3	4.6 S.	128.7 E.	Banda Sea. h about 195 km.
21	15 15 14.7	40.7 N.	127.5 W.	Off coast of northern California. h about 25 km.
21	17 41 28.2	3.1 S.	80.9 W.	Near coast of Ecuador. h about 27 km.
21	18 13 02.9	18.9 S.	173.6 W.	Tonga Islands. h about 60 km.
21	19 16 06.7	27.5 N.	139.9 E.	Bonin Islands region. h about 470 km.
21	19 44 13.6	30.1 N.	57.2 E.	Iran. h about 32 km.
21	21 10 01.6	2.0 N.	127.0 E.	Molucca Passage. h about 103 km.
21	21 40 03.2	34.5 S.	150.4 E.	New South Wales, Australia. Minor damage at Bowral and Robertson. h about 27 km.
22	00 43 30.8	5.6 S.	154.7 E.	Solomon Islands region. h about 151 km.
22	01 18 50.7	25.2 S.	67.4 W.	Salta Province, Argentina. h about 115 km.
22	08 57 15.0	49.2 N.	155.6 E.	Kurile Islands. h about 32 km.
22	11 35 18.7	2.8 S.	121.9 E.	Celebes. h about 50 km.
22	13 44 35.8	21.4 S.	174.4 W.	Tonga Islands. h about 97 km. Mag. 6.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	° ′	
22	14 24 51.7	7.5 N.	126.3 E.	Near coast of Mindanao, Philippine Islands. h about 209 km.
22	17 32 21.6	22.9 S.	176.1 W.	Tonga Islands region. h about 35 km. Mag. 6-1/2 - 6-3/4.
22	22 12 21.6	29.5 N.	113.9 W.	Gulf of California. h about 33 km.
22	22 53 01.3	7.2 N.	73.3 W.	Colombia. h about 122 km.
22	23 46 48.1	22.6 S.	176.8 W.	Tonga Islands region. h about 336 km.
23	01 01 36.8	51.1 N.	179.7 W.	Andreanof Islands, Aleutian Islands. h about 51 km.
23	02 45 16.0	36.6 N.	28.3 E.	Dodecanese Islands. Moderate property damage in Rhodes area and at Marmaris, Turkey. h about 49 km. Mag. 6¼.
23	03 40 24.5	9.8 N.	84.0 W.	Costa Rica. h about 93 km. Mag. 5¼ - 5½ (Pal).
23	03 43 08.4	9.8 N.	84.0 W.	Costa Rica. h about 97 km.
23	03 52 19.9	10.1 N.	84.0 W.	Costa Rica. h about 100 km.
23	05 19 04.0	24.1 N.	122.3 E.	Near east coast of Formosa. h about 33 km.
23	08 25 47.5	30.0 N.	113.4 W.	Gulf of California. h about 33 km.
23	14 15 01.1	29.8 N.	113.3 W.	Gulf of California. h about 33 km.
23	16 44 59.4	12.7 N.	87.3 W.	Near coast of Nicaragua. Felt at Managua and in southeastern El Salvador. h about 138 km. Mag. 6½.
23	16 56 50.0	18.7 N.	120.4 E.	Near coast of Luzon, Philippine Islands. h about 63 km.
23	17 14 01.4	29.3 N.	113.9 W.	Gulf of California. h about 33 km.
24	00 32 41.1	30.0 N.	113.4 W.	Gulf of California. h about 33 km.
24	02 31 43.0	29.9 N.	113.7 W.	Gulf of California. h about 33 km.
24	12 59 54.4	41.2 N.	126.7 W.	Off coast of northern California. h about 46 km.
24	13 34 31.4	43.5 N.	126.9 W.	Off coast of Oregon. h about 14 km.
24	17 18 17.6	8.2 S.	121.8 E.	Flores Sea. h about 36 km.
24	19 00 43.8	29.4 N.	113.8 W.	Gulf of California. h about 33 km.
25	04 44 15.1	27.4 S.	71.3 W.	Near coast of northern Chile. h about 46 km.
25	04 59 24.8	49.3 N.	128.7 W.	Vancouver Island region. h about 33 km.
25	09 18 48.4	31.5 N.	139.9 E.	South of Honshu, Japan. h about 171 km.
25	13 11 44.3	36.4 N.	26.5 E.	Dodecanese Islands. Felt. h about 33 km.
25	13 33 27.1	39.6 N.	77.8 E.	Sinkiang Province, China. h about 27 km.
25	13 42 14.6	28.2 S.	175.6 W.	Kermadec Islands region. h about 41 km.
25	17 33 44.6	22.8 S.	176.1 W.	Tonga Islands region. h about 25 km.
25	18 28 03.2	42.2 N.	111.9 W.	Utah-Idaho border. h about 33 km.
25	18 40 37.9	22.8 S.	176.8 W.	Tonga Islands region. h about 35 km.
25	19 33 05.7	4.2 S.	103.3 E.	Near coast of Sumatra.
25	21 07 28.5	14.9 S.	177.5 W.	Fiji Islands region. h about 374 km.
26	03 22 09.8	33.1 S.	108.9 W.	North of Easter Island. h about 33 km.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
26	04 36 08.5	32.9 S.	109.1 W.	North of Easter Island. h about 43 km.
26	05 06 31.9	15.4 N.	91.8 W.	Near Mexico-Guatemala border. h about 150 km.
26	06 06 53.8	18.9 S.	168.9 E.	New Hebrides Islands. h about 100 km.
26	08 42 16.1	10.2 S.	70.8 W.	Peru-Brazil border. h about 650 km.
26	10 23 12.5	10.1 S.	71.3 W.	Peru-Brazil border. h about 663 km.
26	12 36 10.4	19.0 S.	177.5 W.	Fiji Islands region. h about 565 km.
26	22 04 59.3	10.4 S.	164.4 E.	Santa Cruz Islands region. h about 33 km.
26	22 49 49.8	38.5 N.	143.2 E.	Near east coast of Honshu, Japan. h about 52 km.
27	02 56 50.1	51.4 N.	176.3 W.	Andreanof Islands, Aleutian Islands. Felt on Adak. h about 60 km.
27	05 14 54.3	36.4 N.	70.8 E.	Hindu Kush. h about 200 km.
27	07 18 06.0	41.3 N.	142.2 E.	Near coast of Honshu, Japan. h about 70 km.
27	10 23 08.1	39.2 N.	141.6 E.	Near coast of Honshu, Japan. h about 70 km.
27	10 37 39.6	35.4 N.	70.0 E.	Eastern Afghanistan. h about 32 km.
27	16 52 19.3	0.8 N.	98.5 E.	Near coast of Sumatra. h about 39 km.
27	17 26 32.2	1.2 N.	98.4 E.	Near coast of Sumatra. h about 36 km.
27	22 38 34.1	15.9 N.	119.7 E.	Near coast of Luzon, Philippine Islands. h about 71 km.
28	01 04 14.5	38.5 S.	75.5 W.	Off coast of Chile. h about 40 km.
28	02 30 20.8	4.9 S.	145.0 E.	New Guinea. h about 59 km.
28	02 56 05.5	7.5 N.	73.6 W.	Colombia. h about 60 km.
28	03 59 53.5	5.4 S.	102.4 E.	Near coast of Sumatra. h about 74 km.
28	07 30 35.0	17.3 S.	167.7 E.	New Hebrides Islands. h about 33 km.
28	10 47 17.5	5.1 S.	144.8 E.	New Guinea. h about 25 km.
28	12 41 19.2	27.9 S.	176.4 W.	Kermadec Islands region. h about 33 km.
28	12 59 47.5	33.7 N.	116.1 W.	Riverside County, California. Felt. h about 31 km. Mag. 4.4.
28	13 29 25.7	8.2 S.	119.2 E.	Flores Island region. h about 25 km.
28	16 10 00.3	29.6 N.	113.8 W.	Gulf of California. h about 33 km.
28	17 14 37.7	30.0 N.	113.8 W.	Gulf of California. h about 25 km.
28	18 36 54.6	5.0 S.	151.1 E.	New Britain region. h about 137 km.
28	22 37 15.7	20.1 N.	108.8 W.	Revilla Gigedo Islands region. h about 43 km.
28	23 52 47.0	14.5 N.	144.6 E.	Mariana Islands region. h about 121 km.
29	00 22 55.6	52.3 N.	166.6 W.	Fox Islands, Aleutian Islands. h about 67 km.
29	06 35 54.8	10.4 S.	161.6 E.	Solomon Islands. h about 110 km.
29	07 20 58.1	19.3 N.	108.7 W.	Revilla Gigedo Islands region. h about 33 km.
29	07 23 51.2	23.0 N.	143.7 E.	Volcano Islands region. h about 79 km.
29	07 28 17.3	39.1 S.	73.5 W.	Near coast of southern Chile. Felt at Temuco and Valdivia. h about 40 km.

Date 1961	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
May	h m s	°	°	
29	10 29 27.8	27.9 N.	141.7 E.	Bonin Islands. h about 25 km.
29	10 52 02.4	10.4 N.	39.9 E.	Ethiopia. Felt at Addis Ababa. h about 33 km.
29	16 51 34.8	16.3 N.	122.4 E.	Near coast of Luzon, Philippine Islands. h about 25 km.
29	17 48 21.6	2.5 N.	128.4 E.	Halmahera region. h about 25 km.
29	19 24 04.8	10.6 N.	39.9 E.	Ethiopia. Felt at Addis Ababa. h about 33 km.
29	22 35 02.0	11.1 S.	166.1 E.	Santa Cruz Islands. h about 105 km.
30	12 28 42.8	33.2 S.	109.3 W.	North of Easter Island. h about 25 km.
30	22 04 53.5	21.0 S.	69.5 W.	Northern Chile. h about 140 km.
31	05 12 12.6	18.6 S.	168.7 E.	New Hebrides Islands region. Felt at Port Vila. h about 100 km.
31	10 07 44.2	14.4 S.	166.3 E.	New Hebrides Islands region. h about 108 km.
31	13 22 56.1	24.5 S.	179.9 E.	South of Fiji Islands region. h about 497 km.
31	14 17 43.3	30.2 N.	113.9 W.	Gulf of California. h about 33 km. Mag. 5.5.
31	14 39 20.4	49.1 N.	154.5 E.	Kurile Islands. h about 50 km.
31	15 36 28.6	30.7 N.	113.1 W.	Gulf of California. h about 33 km.
31	16 30 50.5	38.0 S.	72.7 W.	Near coast of Chile. h about 40 km.
31	19 15 57.0	5.3 S.	151.6 E.	New Britain region. Felt. h about 56 km. Mag. 5-3/4 - 6 (Pal).
31	21 02 11.8	13.0 N.	143.7 E.	Mariana Islands region. h about 130 km.

Date and Station		Phase (GCT)
		h m s
May 1		
COL	iP	00 07 56
THU	eP	00 10 03
May 1		
COL	eP	00 51 01
EUR	eP	00 53 55
FGU	eP	00 54 14
May 1		
EUR	eP	01 30 01
	ipP	30 11
May 1		
COL	e(P)	01 43 34
May 1		
COL	iP	01 49 36
May 1		
COL	e(P)	02 25 16
May 1		
BCN	eP	02 44 24
BUT	eP	02 44 34
COL	eP	02 47 26
EUR	iP	02 43 52
	i	44 01
FGU	eP	02 44 59
GCA	eP	02 44 52
HHM	eP	02 44 37
RCD	eP	02 45 54
TUC	eP	02 45 33
TUT	eP	02 45 33
UKI	eP	02 42 42
May 1		
EUR	e(P)	02 51 42
May 1		
COL	iP	02 50 45
	e	50 50
May 1		
BCN	eP	02 53 28
BUT	eP	02 53 41
COL	eP	02 56 32
EUR	iP	02 52 58
FGU	eP	02 54 04
GCA	eP	02 53 58
HHM	eP	02 53 43
	eS	55 47

Date and Station		Phase (GCT)
		h m s
RCD	eP	02 54 54
TUC	eP	02 54 35
TUT	eP	02 54 34
UKI	eP	02 51 30
May 1		
COL	iP	02 59 51
May 1		
EUR	e(P)	03 01 43
	i	01 52
GCA	e(P)	03 02 43
HHM	e(P)	03 02 28
TUC	eP	03 03 24
TUT	eP	03 03 24
May 1		
BCN	eP	03 26 32
BUT	eP	03 26 44
COL	eP	03 29 39
EUR	eP	03 26 02
FGU	eP	03 27 09
GCA	eP	03 27 00
HHM	eP	03 26 47
	e	27 46
RCD	e(P)	03 28 00
TUC	eP	03 27 43
TUT	eP	03 27 42
May 1		
COL	e(P)	03 32 55
May 1		
COL	iP	03 57 44
EUR	eP	03 57 11
FGU	eP	03 57 40
GCA	eP	03 57 20
May 1		
EUR	e(P)	03 35 53
	eL	37 33
May 1		
BCN	eP	05 35 13
GCA	e(P)	05 36 54
	e	37 04
TUC	eP	05 35 43

Date and Station		Phase (GCT)
		h m s
May 1		
BCN	eP	05 43 06
May 1		
BCN	eP	07 24 06
BUT	eP	07 24 17
COL	eP	07 27 06
EUR	iP	07 23 35
FGU	eP	07 24 44
GCA	eP	07 24 34
HHM	eP	07 24 20
	eS	26 21
RCD	eP	07 25 36
SLC	eP	07 24 19
	eL	28 51
TUC	eP	07 25 13
TUT	eP	07 25 11
UKI	eP	07 22 20
May 1		
COL	e(P)	07 30 26
	e	30 33
May 1		
COL	eP	07 52 37
	i	52 51
EUR	eP	07 55 56
FGU	e(P)	07 56 25
HHM	eP	07 55 28
May 1		
HON	e	08 35 12
May 1		
COL	eP	09 18 53
EUR	eP	09 21 57
May 1		
BCN	eP	09 48 13
EUR	e(P)	09 47 42
GCA	e(P)	09 48 46
	e	49 41
TUC	eP	09 49 25
TUT	eP	09 49 25
May 1		
EUR	eP	09 53 04
May 1		
BCN	eP	10 10 05

Date and Station		Phase (GCT)
		h m s
EUR	eP	10 09 34
GCA	eP	10 10 32
TUC	eP	10 11 10
TUT	eP	10 11 09
May 1		
BCN	eP	12 21 48
BOZ	eP	12 22 12
BUT	eP	12 22 00
	eL	24 36
COL	iP	12 24 50
EUR	iP	12 21 17
FGU	eP	12 22 24
GCA	eP	12 22 38
HON	eL	12 33 00
HHM	eP	12 22 02
	eS	24 18
RCD	eP	12 23 19
SLC	eP	12 21 58
	eL	26 11
SJP	eP	12 28 56
TUC	eP	12 22 56
TUT	eP	12 22 55
UKI	eP	12 20 00
May 1		
COL	i(P)	12 28 12
May 1		
EUR	eP	12 55 13
GCA	eP	12 56 14
May 1		
BCN	eP	12 59 43
EUR	eP	12 59 14
GCA	eP	13 00 12
HHM	eP	12 59 59
	e	13 00 10
RCD	e(P)	13 01 15
TUT	e(P)	13 00 49
May 1		
EUR	eP	13 15 39

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Date and Station		Phase	(GCT) h m s
May 1			
COL	iP		16 18 41
May 1			
COL	e(P)		16 35 28
May 1			
BCN	eP		18 48 00
BOZ	eP		18 48 30
BUT	eP		18 48 18
	eL		51 42
COL	iP		18 51 06
EUR	iP		18 47 36
	i		47 46
FGU	eP		18 48 41
GCA	eP		18 48 29
	e		48 35
HHM	eP		18 48 19
	e(S)		50 17
RCD	eP		18 49 36
SLC	eP		18 48 18
TUC	eP		18 49 17
	i		49 22
	e(S)		52 41
	eL		53 18
TUT	e(P)		18 49 11
UKI	eP		18 46 16
May 1			
COL	iP		18 54 28
May 1			
FGU	iP		19 03 00
	iS		03 04
May 1			
COL	iP		19 49 12
May 1			
BCN	eP		21 32 34
COL	eP		21 35 46
EUR	i(P)		21 32 03
GCA	eP		21 32 59
HHM	eP		21 32 51
TUT	eP		21 33 46
UKI	eP		21 31 04
May 1			
FGU	eP		23 50 10
May 2			
COL	iP		00 59 24
	e		59 31

Date and Station		Phase	(GCT) h m s
EUR	e(P)		00 58 48
GCA	e(P)		00 58 44
May 2			
COL	e(P)		01 34 29
	e		34 38
EUR	eP		01 31 10
FGU	eP		01 32 19
GCA	eP		01 32 08
HHM	eP		01 31 50
RCD	eP		01 33 09
TUC	e(P)		01 32 45
	e		32 50
TUT	eP		01 32 45
UKI	eP		01 29 48
May 2			
COL	i(P)		01 38 01
May 2			
COL	iP		01 42 20
	ipP		44 30
EUR	eP		01 42 02
FGU	eP		01 42 28
GCA	eP		01 42 03
HHM	e(P)		01 42 07
TUT	eP		01 42 05
May 2			
COL	eP		01 53 39
May 2			
COL	eP		03 19 35
EUR	eP		03 21 47
FGU	eP		03 21 31
GCA	e(P)		03 21 43
	e		21 46
HHM	eP		03 20 47
THU	eP		03 15 40
	eS		18 49
TUC	eP		03 22 24
TUT	eP		03 22 23
May 2			
EUR	e(P)		05 54 11
May 2			
COL	i(P)		06 03 07

Date and Station		Phase	(GCT) h m s
May 2			
EUR	e(P)		06 12 46
May 2			
BCN	eP		06 27 28
EUR	eP		06 28 03
GCA	eP		06 27 40
	i		28 17
	e		29 33
TUC	e(P)		06 27 21
	e		27 34
	iS		28 40
	iL		28 47
TUT	eP		06 27 22
	iS		28 43
May 2			
COL	iP		06 55 01
	ipP		55 21
	e		55 27
	e		57 55
EUR	eP		06 56 02
May 2			
COL	iP		08 36 53
May 2			
COL	eP		08 38 07
May 2			
SJP	e(P)		08 40 15
May 2			
COL	eP		08 42 07
May 2			
EUR	e(P)		09 34 49
May 2			
COL	iP		10 05 03
	ipP		05 26
EUR	iP		10 08 24
	ipP		08 49
May 2			
COL	eP		10 15 54
May 2			
BCN	eP		10 12 41
BUT	eP		10 13 24
COL	eP		10 16 15
	ePcP		19 34
	e		19 39
EUR	eP		10 12 40
FGU	e(P)		10 13 47
GCA	eP		10 13 28
HHM	eP		10 13 26

Date and Station		Phase	(GCT) h m s
RCD	eP		10 14 42
TUC	eP		10 14 20
TUT	eP		10 14 21
May 2			
GCA	e(P)		10 43 53
May 2			
COL	eP		10 47 39
	e		48 48
	e		49 37
May 2			
COL	i(P)		10 54 10
May 2			
COL	iP		11 28 55
EUR	eP		11 24 56
FGU	eP		11 24 38
GCA	eP		11 24 19
TUC	eP		11 23 41
May 2			
COL	iP		11 25 32
EUR	eP		11 28 51
	ipP		29 03
HHM	eP		11 28 24
May 2			
COL	eP		11 35 04
May 2			
EUR	e(P)		12 19 53
HHM	e(P)		12 20 36
May 2			
COL	e(P)		13 19 53
May 2			
COL	eP		13 20 52
May 2			
COL	e(P)		14 00 17
May 2			
COL	e(P)		15 06 48
May 2			
COL	eP		16 00 42
May 2			
COL	iP		17 48 25
May 2			
COL	e(P)		17 50 11
May 2			
GCA	eP		17 59 43
	e		18 00 43

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Date and Station		Phase (GCT)
		h m s
May 2		
COL	e(P)	18 59 39
May 2		
BCN	eP	19 02 35
BUT	eP	19 03 13
COL	iP	19 03 15
	ipP	03 35
	e	04 11
EUR	iP	19 02 43
FGU	iP	19 03 11
GCA	iP	19 02 54
HHM	eP	19 03 15
	eS	13 57
TUC	eP	19 02 43
TUT	iP	19 02 44
May 2		
BCN	eP	19 50 46
COL	eP	19 51 33
	e	52 06
	e	52 15
EUR	eP	19 51 00
FGU	e(P)	19 50 32
GCA	eP	19 50 54
	epP	51 10
THU	eP'	19 57 00
TUC	eP	19 51 05
	e	52 24
TUT	eP	19 50 58
May 2		
COL	e(P)	19 52 55
EUR	e(P)	19 52 20
FGU	eP	19 52 52
GCA	e(P)	19 52 25
TUC	i(P)	19 52 32
May 2		
COL	iP	20 06 32
May 2		
COL	iP	20 12 33
	i	13 14
EUR	e(P)	20 13 42
SJP	iP'	20 19 35
	i	19 48

Date and Station		Phase (GCT)
		h m s
May 2		
EUR	e(P)	21 02 39
TUT	eP	21 02 34
May 2		
EUR	eP	22 27 20
May 2		
KIP	eP	22 33 11
May 2		
BCN	eP	22 40 33
BOZ	eP	22 41 09
BUT	eP	22 40 48
COL	eP	22 43 37
	e	47 24
EUR	iP	22 40 06
FGU	eP	22 41 18
GCA	eP	22 41 03
HHM	eP	22 40 48
	e	42 32
TUC	eP	22 41 44
	i	41 50
TUT	eP	22 41 45
UKI	eP	22 38 46
May 2		
BHP	iS	23 09 11
BCN	eP	22 57 17
BOZ	eP	22 58 06
	e	23 00 13
BUT	eP	22 58 02
COL	iP	22 58 07
	ipP	58 21
	e	59 53
	eS	23 09 24
	ePKKP	15 03
	eP'P'	23 30
EUR	iP	22 57 31D
	ePP	23 01 10
	ePKKP	15 21
	eP'P'	23 29
FGU	iP	22 57 57
	ePP	23 01 12
GCA	eP	22 57 41
GUA	iP	22 54 24
	i	57 57
HON	iP	22 53 58
	iS	23 01 24

Date and Station		Phase (GCT)
		h m s
HHM	ePP	23 01 02
	e	12 40
KIP	iP	22 53 58
RCD	eP	22 58 22
SLC	eP	22 57 50
	eSKS	23 08 19
SJP	iP'	23 03 57
THU	iP'	23 03 35
	i	03 48
	i(PP)	07 06
TUC	iP	22 57 30
	eS	07 56
	iS	08 05
	eL	20 32
TUT	iP	22 57 30
UKI	eP	22 57 15
May 2		
COL	iP	23 37 20
	ipP	37 32
	i	37 50
	ePP	41 07
EUR	eP	23 36 46
GCA	eP	23 37 54
RCD	eP	23 37 36
SJP	eP'	23 43 10
TUC	eP	23 36 43
TUT	eP	23 36 44
May 2		
COL	e(P)	23 49 33
May 3		
COL	e(P)	00 05 05
May 3		
COL	e(P)	00 15 04
EUR	eP	00 18 31
	i	18 50
May 3		
COL	i(P)	00 24 26
May 3		
BCN	eP	00 39 09
BOZ	eP	00 39 01
EUR	eP	00 39 14
FGU	eP	00 38 57
GCA	eP	00 38 59

Date and Station		Phase (GCT)
		h m s
HHM	eP	00 39 07
	e(S)	49 15
RCD	eP	00 37 34
SLC	eP	00 39 00
SJP	e(P)	00 34 26
THU	eP	00 38 19
TUC	e(P)	00 38 54
	e	40 05
May 3		
COL	e(P)	02 59 03
May 3		
COL	e(P)	03 10 13
May 3		
TUC	eP	03 31 41
	e	33 18
May 3		
COL	iP	04 31 19
May 3		
EUR	eP	08 24 33
May 3		
BCN	eP	08 51 36
BOZ	e(P)	08 52 00
BUT	eP	08 51 48
COL	e(P)	08 54 39
EUR	eP	08 51 04
FGU	eP	08 52 15
GCA	eP	08 52 05
HHM	eP	08 51 51
	e	52 02
RCD	eP	08 53 08
TUC	eP	08 52 46
	i	52 53
TUT	eP	08 52 47
May 3		
COL	iP	09 03 54
	e	04 07
EUR	eP	09 07 15
HHM	eP	09 06 46
	ePP	09 12
May 3		
EUR	eP	09 20 22

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Date and Station		Phase (GCT) h m s
May 3		
COL	eP	09 31 40
EUR	eP	09 28 18
HHM	eP	09 29 00
May 3		
EUR	eP	11 09 19
May 3		
FGU	eP	11 39 36
May 3		
COL	iP	12 20 42
EUR	iP	12 24 02
HHM	eP	12 23 33
	e	28 27
May 3		
EUR	iP	13 08 50
May 3		
COL	eP	13 21 37
May 3		
BCN	eP	14 07 46
COL	iP	14 12 41
	e	13 17
	iPcP	13 44
EUR	iP	14 08 24
FGU	eP	14 08 17
	eScP	15 33
GCA	eP	14 07 45
HHM	eP	14 09 29
RCD	eP	14 08 40
TUC	eP	14 06 48
	eL	11 27
TUT	eP	14 06 54
	eL	11 03
May 3		
GUA	iP	14 17 49
	iS	19 41
May 3		
GUA	iP	16 58 14
	iS	58 27
May 3		
COL	iP	17 07 33
EUR	eP	17 06 59
TUT	eP	17 06 58
May 3		
COL	iP	17 16 26
EUR	eP	17 15 52
TUT	eP	17 15 49
May 3		
GUA	iP	17 48 56
	iS	49 09
May 3		
COL	eP	19 14 03
EUR	eP	19 13 29
May 3		
COL	e(P)	20 01 46
May 3		
COL	iP	22 36 17
	e	36 33
May 3		
COL	eP	23 04 11
May 4		
FGU	eP	00 09 48
	e	10 10
May 4		
COL	e(P)	01 19 47
May 4		
BCN	eP	02 20 08
BOZ	eP	02 20 38
BUT	eP	02 20 25
	eL	23 20
COL	iP	02 23 15
EUR	eP	02 19 42
	i	19 54
FGU	eP	02 20 49
GCA	eP	02 20 43
HHM	eP	02 20 26
	e(S)	22 19
RCD	eP	02 21 48
SLC	eP	02 20 25
SJP	iP	02 27 26
	i	27 46
TUC	eP	02 21 24
	e(S)	24 34
	eL	25 24
TUT	iP	02 21 24
UKI	e(P)	02 18 22
May 4		
COL	i(P)	02 26 37
May 4		
COL	iP	03 44 45
	e	46 28
	epP	46 49
EUR	iP	03 44 24
TUC	iP	03 44 27
May 4		
HHM	eP	03 55 33
May 4		
COL	eP	04 36 10
	e	36 16
May 4		
COL	eP	05 23 59
May 4		
GCA	eP	05 44 35
May 4		
COL	eP	06 40 49
	e	41 07
May 4		
TUT	e(P)	06 53 24
May 4		
COL	e(P)	06 56 32
May 4		
COL	iP	06 58 36
EUR	eP	06 57 02
FGU	eP	06 56 29
GCA	e(P)	06 55 52
	e	56 39
HHM	e(P)	06 56 21
May 4		
BCN	eP	07 11 00
COL	iP	07 12 38
EUR	iP	07 11 05
FGU	eP	07 10 31
GCA	e(P)	07 10 29
	e	10 43
HHM	eP	07 10 56
RCD	eP	07 09 59
SLC	eP	07 10 46
SJP	eP	07 04 55
TUT	eP	07 10 39
May 4		
COL	eP	07 28 01
EUR	eP	07 26 09
May 4		
COL	e(P)	09 30 32
May 4		
COL	eP	10 42 09
	e	42 38
EUR	eP	10 41 36
	i	41 49
May 4		
COL	iP	11 46 17
	i	46 34
May 4		
COL	eP	13 04 45
EUR	eP	13 07 12
HHM	eP	13 06 53
May 4		
THU	eP	14 02 29
May 4		
COL	eP	14 23 24
	i	23 26
HHM	eP	14 26 21
May 4		
COL	iP	14 40 11
	e	40 43
May 4		
COL	iP	15 24 29
May 4		
COL	eP	15 33 17
May 4		
HHM	eP	15 35 30
	eS	35 58
May 4		
HHM	e(P)	15 47 16
May 4		
COL	eP	17 19 38
May 4		
COL	eP	17 58 54
May 4		
COL	e(P)	18 01 36
May 4		
COL	iP	20 03 43
May 4		
COL	iP	20 25 15
May 4		
COL	i(P)	20 26 16
May 4		
COL	e(P)	20 33 12
EUR	i(P)	20 30 07
FGU	eP	20 29 51

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Date and Station		Phase (GCT)
		h m s
HHM	eP	20 30 46
RCD	e(P)	20 29 52
SJP	eP	20 26 22
TUT	eP	20 29 08
May 4		
GCA	eP	20 35 23
	eS	36 00
May 4		
COL	e(P)	20 42 20
FGU	eP	20 39 53
GCA	e(P)	20 40 45
HHM	eP	20 39 28
TUT	eP	20 40 25
May 4		
COL	e(P)	20 57 20
FGU	e(P)	20 55 03
GCA	e(P)	20 54 46
HHM	e(P)	20 54 29
May 4		
BCN	eP	21 01 40
BUT	eP	21 01 59
COL	eP	21 04 46
	e	05 13
	e	05 22
	e	05 42
	ePcP	08 09
EUR	iP	21 01 16
FGU	eP	21 02 23
GCA	eP	21 02 16
HHM	eP	21 02 01
	eS	03 51
RCD	eP	21 03 17
TUC	eP	21 02 56
TUT	eP	21 02 56
UKI	eP	21 00 02
May 4		
COL	eP	21 49 59
TUT	eP	21 53 05
May 4		
GUA	iP	22 01 54
	iS	02 05

Date and Station		Phase (GCT)
		h m s
May 4		
FGU	eP	23 46 35
May 4		
EUR	iP	23 52 59
FGU	eP	23 52 49
May 4		
FGU	eP	23 58 52
	e	59 28
May 5		
COL	eP	00 14 15
May 5		
EUR	e(P)	00 43 55
May 5		
COL	eP	00 47 24
May 5		
COL	e(P)	01 01 50
May 5		
COL	iP	01 23 59
May 5		
COL	eP	01 47 12
May 5		
COL	e(P)	03 01 31
May 5		
THU	eP	03 42 07
May 5		
EUR	eP	05 44 23
HHM	e(P)	05 45 02
May 5		
COL	eP	06 25 50
	e	26 38
	e	33 49
May 5		
COL	eP	06 52 24
	e	52 54
EUR	iP	06 51 51
TUC	eP	06 51 48
TUT	eP	06 51 49
May 5		
FGU	eP	06 59 30
	e	59 59
May 5		
BCN	e(P)	07 06 40
May 5		
THU	eP	07 34 35
May 5		
COL	e(P)	07 41 04
EUR	eP	07 40 29

Date and Station		Phase (GCT)
		h m s
May 5		
EUR	e(P)	07 52 14
May 5		
COL	eP	08 57 37
EUR	eP	08 57 03
	i	57 23
GCA	eP	08 57 02
TUT	eP	08 57 05
May 5		
COL	i(P)	10 01 43
May 5		
COL	e(P)	11 57 34
May 5		
EUR	e(P)	12 04 32
HHM	eP	12 05 14
May 5		
COL	eP	12 38 01
	ePP	39 29
	e	43 11
EUR	eP	12 42 21
May 5		
COL	eP	12 50 41
EUR	iP	12 54 42
May 5		
BCN	eP	13 10 30
BOZ	eP	13 11 00
BUT	eP	13 10 41
COL	eP	13 13 28
	ePcP	16 54
	i	16 58
EUR	eP	13 10 00
FGU	eP	13 11 08
GCA	eP	13 11 53
HHM	eP	13 10 44
	eS	11 43
RCD	eP	13 12 00
TUC	e(P)	13 11 35
	i	11 47
TUT	eP	13 11 41
May 5		
EUR	eP	13 30 41
	i	30 50
May 5		
BCN	eP	13 56 00

Date and Station		Phase (GCT)
		h m s
COL	iP	13 56 39
	i	57 08
	e	57 23
	ePP	14 00 37
EUR	eP	13 56 05
	ipP	56 19
FGU	eP	13 56 29
GCA	eP	13 56 10
HHM	e(P)	13 56 39
KIP	eP	13 52 30
TUC	eP	13 56 02
	eL	14 23 07
TUT	eP	13 56 03
May 5		
BOZ	eP	14 52 52
BUT	iP	14 53 09
	eS	53 32
COL	e(P)	14 58 35
EUR	eP	14 54 15
FGU	eP	14 53 35
HHM	eP	14 53 41
	iL	54 53
May 5		
COL	e(P)	15 42 09
EUR	e(P)	15 41 34
TUT	eP	15 41 35
May 5		
COL	eP	15 51 36
May 5		
COL	eP	16 26 22
	i	27 46
EUR	iP	16 27 05
HHM	e(P)	16 27 40
May 5		
FGU	eP	17 35 14
	eS	35 19
May 5		
COL	iP	17 43 36
May 5		
COL	iP	17 53 34
	i	54 11
EUR	i(P)	17 54 25

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Date and Station		Phase	(GCT) h m s
May 5			
COL		i(P)	18 56 55
May 5			
COL		eP	19 15 33
		e	18 52
EUR		eP	19 15 01
May 5			
HHM		eP'	19 50 19
May 5			
COL		i(P)	20 22 17
May 5			
COL		e(P)	20 37 06
May 5			
COL		iP	20 50 32
EUR		e(P)	20 49 59
TUT		eP	20 49 55
May 5			
COL		i(P)	21 00 17
EUR		eP	20 59 42
HHM		e(P)	21 00 38
TUT		eP	20 59 39
May 5			
FGU		iP	21 26 53
		iS	27 38
May 5			
EUR		e(P)	23 37 26
May 6			
COL		iP	00 59 29
May 6			
BCN		eP	01 43 45
May 6			
BCN		eP	02 09 35
EUR		e(P)	02 10 10
		eL	12 21
FGU		eL	02 13 48
GCA		e(P)	02 09 40
		i	10 03
TUC		eP	02 09 08
		i	09 27
		e(S)	10 27
		iL	10 29
May 6			
EUR		e(P)	02 48 56
May 6			
EUR		eP	03 39 38

Date and Station		Phase	(GCT) h m s
May 6			
COL		ePP	04 12 55
EUR		iP	04 06 34
		i	06 47
FGU		eP	04 06 20
GCA		eP	04 06 09
HHM		iP	04 07 03
SJP		iP	04 02 21
TUC		eP	04 05 45
TUT		eP	04 05 45
May 6			
COL		iP	05 17 12
May 6			
EUR		e(P)	05 36 02
TUC		eP	05 34 21
		i	34 34
		e(S)	35 26
		eL	35 28
TUT		eP	05 34 23
		eS	35 21
May 6			
COL		i(P)	05 38 33
EUR		e(P)	05 39 25
May 6			
EUR		iP	06 08 26
May 6			
COL		eP	07 10 15
EUR		iP	07 13 48
May 6			
EUR		e(P)	07 58 51
May 6			
GCA		e(P)	09 09 00
		i	09 39
May 6			
COL		eP	09 26 10
May 6			
COL		iP	11 15 31
EUR		iP	11 19 03
		ipP	19 18
May 6			
HHM		e(P)	11 17 37
May 6			
COL		iP	11 22 20
May 6			
COL		e(P)	13 27 44

Date and Station		Phase	(GCT) h m s
May 6			
COL		e(P)	16 07 33
May 6			
BCN		eP	16 13 43
COL		eP	16 19 36
EUR		eP	16 13 29
		e(S)	14 25
FGU		iP	16 12 46
GCA		iP	16 13 06
HHM		iP	16 16 52
		e	19 21
RCD		e(P)	16 16 05
SLC		eP	16 12 50
TUT		eP	16 14 32
		e	16 03
May 6			
COL		iP	16 16 24
		ipP	16 36
EUR		iP	16 17 31
May 6			
COL		e(P)	16 29 16
May 6			
COL		eP	19 12 28
		i	12 38
EUR		eP	19 16 18
May 6			
COL		eP	19 18 35
		i	18 45
May 6			
COL		e(P)	19 25 13
EUR		eP	19 22 09
HHM		eP	19 22 39
SJP		eP	19 17 19
TUT		eP	19 21 09
May 6			
FGU		e(P)	19 51 18
HHM		e(P)	19 51 39
May 6			
COL		iP	21 28 52
		i	28 55
		e	29 24
		e	29 36
May 6			
EUR		e(P)	21 37 53
May 6			
EUR		iP	21 46 28

Date and Station		Phase	(GCT) h m s
May 6			
BOZ		eP	22 03 43
BUT		iP	22 03 58
		eS	04 22
EUR		eP	22 05 04
		eL	07 01
FGU		eP	22 04 25
		i	04 34
		e	05 40
HHM		eP	22 04 31
		iL	05 41
RCD		eP	22 05 16
May 6			
COL		iP	22 29 56
EUR		iP	22 33 10
HHM		e(P)	22 32 41
May 6			
COL		iP	22 45 05
		i	45 09
		ipP	45 34
		ePP	48 05
		e	48 46
EUR		eP	22 47 01
		eP'	51 10
		ePP	51 51
		ePKKP	23 02 29
		i	02 43
FGU		eP'	22 51 04
		e	51 14
GUA		eP	22 37 16
HHM		eP	22 46 49
		eL	23 03 39
SJP		eP'	22 52 41
		i	52 53
May 6			
BCN		eP	23 26 24
COL		eP	23 26 14
EUR		iP	23 26 26
		ePP	30 21
		ePKKP	43 54
FGU		eP	23 26 50
		ePP	30 27
HON		e(P)	23 22 35
		iL	35 12
HHM		eP	23 27 59
KIP		e(P)	23 22 27
TUC		eP	23 26 34

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Date and Station		Phase (GCT)
		h m s
TUT	eP	23 26 34
May 7		
BCN	iP	00 38 52
BOZ	eP	00 39 06
COL	iP	00 37 52
	i	38 22
	i	38 38
	ePP	41 19
	ePPP	43 05
	e	47 05
	e	47 48
	ePKKP	56 21
	eP'P'	01 04 24
EUR	iP	00 38 49
	i	39 03
	iPP	42 35
	ePKKP	55 55
	eP'P'	01 04 08
FGU	eP	00 39 10
	e	40 23
GUA	eP	00 30 25
	eS	34 00
HON	eL	00 48 00
HHM	eP	00 38 19
	e(S)	48 40
	e	49 10
KIP	eP	00 35 02
RCD	eSKS	00 49 32
SJP	eP'	00 44 52
	i	45 23
	ePP	48 14
TUC	eP	00 39 10
	ePP	43 13
	eL	01 09 25
TUT	eP	00 39 07
May 7		
EUR	iP	00 52 57
May 7		
COL	iP	01 06 39
	ePP	07 48
EUR	iP	01 09 57
	ipP	10 11
FGU	eP	01 10 15
HHM	eP	01 09 29
THU	eP	01 08 14
May 7		
COL	iP	01 32 20

Date and Station		Phase (GCT)
		h m s
May 7		
THU	eP	01 54 59
May 7		
COL	e(P)	02 10 05
EUR	eP	02 08 48
FGU	eP	02 08 18
HHM	eP	02 08 42
TUT	eP	02 08 21
May 7		
EUR	eP	02 55 42
RCD	eP	02 54 44
SJP	e(P)	02 50 04
May 7		
EUR	eP	04 24 29
May 7		
EUR	iP	04 26 57
	i	27 15
FGU	eP	04 27 02
HHM	e(P)	04 28 22
RCD	eP	04 27 43
TUC	eP	04 25 18
	eL	28 50
TUT	iP	04 25 19
May 7		
EUR	e(P)	04 38 12
May 7		
EUR	eP	04 44 59
	ipP	45 16
May 7		
COL	iP	04 49 17
EUR	iP	04 48 43
FGU	eP	04 49 08
GCA	eP	04 49 52
HHM	eP	04 49 16
TUC	eP	04 48 41
TUT	eP	04 48 42
	epP	48 56
May 7		
BOZ	eP'	04 51 15
BUT	eP'	04 51 13
COL	iP	04 46 01
	e	46 29
	ePKKP	05 02 03

Date and Station		Phase (GCT)
		h m s
CSC	eP'	04 51 58
EUR	iP'	04 51 14
	iPP	53 27
	esKKP	05 04 13
FGU	iP'	04 51 20
	iPP	53 35
	iSKP	54 40
GCA	iP'	04 51 24
	iSKP	54 42
HHM	iP'	04 51 08
RCD	eP'	04 51 25
SJP	eP'	04 52 15
	e	53 23
	iPP	57 20
THU	eP'	04 50 41
TUC	eP'	04 51 25
	eSKP	54 52
TUT	eP'	04 51 17
	e	53 07
	e	54 52
WAS	eP'	04 51 53
	i	52 12
	ePP	55 24
May 7		
BOZ	eP	06 06 07
	eL	10 41
COL	eP	06 08 43
	ePcP	06 12 04
EUR	e(P)	06 05 13
FGU	e(P)	06 06 14
HHM	eP	06 05 55
RCD	eP	06 07 13
TUC	eP	06 06 52
TUT	eP	06 06 51
May 7		
COL	iP	07 06 34
	e	06 58
EUR	eP	07 07 33
HHM	e(P)	07 08 02
May 7		
COL	eP	07 59 32
EUR	iP	07 58 58
May 7		
EUR	eP	08 37 44

Date and Station		Phase (GCT)
		h m s
HHM	eP	08 38 29
May 7		
EUR	eP	09 01 44
May 7		
BUT	e(P)	09 04 25
EUR	eP	09 03 41
HHM	eP	09 04 24
May 7		
EUR	eP	09 30 16
May 7		
BHP	iP'	10 42 29
BUT	eP	10 36 55
	eP'	40 21
COL	iP	10 35 03
	ipP	35 27
	e	35 34
	ePP	38 36
	eS	45 18
	e	53 22
	eP'P'	11 00 42
	eL	04 44
CSC	eP'	10 41 55
EUR	iP	10 36 55
	eP'	40 40
	iPP	41 34
	ePKKP	52 24
	ipPKKP	52 39
FGU	eP	10 37 12
	iP'	41 12
	iPKKP	52 11
GCA	ePKKP	10 52 12
GUA	iP	10 27 08
	eS	31 00
HON	iP	10 34 17
	epP	34 37
	eL	56 36
HHM	eP	10 36 44
	epP	37 03
	ePKKP	52 25
KIP	iP	10 34 17
	ipP	34 35
SJP	eP'	10 42 30
	i	42 47
THU	eP	10 36 10
TUC	eP'	10 42 26
	ePKKP	52 10
	e	52 41
TUT	ePKKP	10 52 08

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Date and Station		Phase	(GCT) h m s
WAS		eP'	10 42 09
		ePP	45 44
May 7 COL		e(P)	11 57 13
May 7 HHM		eP	12 07 01
May 7 BCN		eP	12 26 29
BUT		eP	12 26 28
COL		eP	12 23 39
EUR		eP	12 26 32
		i	26 52
FGU		eP	12 26 42
HHM		eP	12 26 12
May 7 COL		eP	12 29 21
EUR		eP	12 32 21
FGU		eP	12 32 38
		e	35 07
HHM		eP	12 31 56
May 7 COL		iP	12 37 11
		e	37 19
EUR		iP	12 35 36
May 7 COL		e(P)	12 57 38
May 7 BCN		eP	13 32 34
COL		iP	13 34 14
EUR		iP	13 32 39
		i	33 09
FGU		eP	13 31 34
HHM		eP	13 32 32
May 7 COL		e(P)	13 51 31
May 7 COL		iP	15 03 12
		ipP	03 26
EUR		iP	15 04 15
		ipP	04 28
HHM		e(P)	15 04 21
May 7 BCN		eP	15 29 09
BOZ		e(P)	15 29 27
		eL	34 27
BUT		eP	15 29 20
COL		eP	15 32 09
EUR		eP	15 28 37
FGU		e(P)	15 29 42
HHM		eP	15 29 24
		eS	31 10
TUC		eP	15 30 14
TUT		eP	15 30 15
UKI		eP	15 27 26
May 7 COL		iP	15 35 30
May 7 BUT		eP	15 49 56
COL		iP	15 48 38
		i	48 45
		ePcP	50 25
EUR		eP	15 50 45
HHM		eP	15 49 47
THU		e(P)	15 44 27
		e	44 51
WAS		e(P)	15 49 24
		eL	16 05 09
May 7 EUR		e(P)	16 03 43
May 7 BUT		eP	16 21 59
COL		e(P)	16 24 51
EUR		eP	16 21 17
HHM		eP	16 22 01
		e(S)	24 00
TUC		eP	16 22 55
TUT		eP	16 22 51
UKI		eP	16 20 02
May 7 COL		e(P)	16 28 07
		e	28 14
May 7 COL		iP	16 38 11
May 7 EUR		e(P)	17 16 28
May 7 FGU		eP	17 22 20
May 7 COL		eP	17 55 41
		e	56 42
May 7 COL		iP	17 58 44
EUR		eP	17 58 09
HHM		e(P)	17 58 42
TUT		eP	17 58 08
May 7 SLC		eP	19 35 21
May 7 COL		eP	19 35 40
May 7 EUR		iP	19 39 53
		ipP	40 00
UKI		eP	19 38 52
May 7 EUR		e(P)	21 38 34
May 7 EUR		eP	21 42 44
May 7 COL		iP	22 00 56
		i	01 08
		i	01 27
		iS	02 19
EUR		iP	22 05 07
FGU		eP	22 05 27
HHM		eP	22 04 23
May 7 COL		iP	22 52 54
		i	53 03
		ipP	53 41
		esP	54 07
		ePP	56 58
EUR		iP	22 53 47
HHM		e(P)	22 53 56
May 7 FGU		eP	23 39 35
		e	41 05
May 8 COL		e(P)	01 21 11
May 8 BUT		iP	01 24 59
		iS	25 21
EUR		e(P)	01 26 14
FGU		eP	01 25 32
HHM		eP	01 25 34
		iS	26 36
May 8 EUR		eP	02 03 40
HHM		eP	02 04 23
TUT		e(P)	02 05 19
May 8 TUC		eP	02 05 58
EUR		iP	02 06 42
HHM		iP	02 07 11
May 8 COL		eP	02 43 58
May 8 EUR		e(P)	03 39 33
May 8 EUR		e(P)	04 42 37
May 8 FGU		eP	06 02 32
May 8 EUR		e(P)	07 12 51
May 8 COL		eP	07 32 13
EUR		iP	07 35 43
May 8 COL		eP	08 18 08
EUR		eP	08 17 46
May 8 COL		eP	08 37 32
EUR		eP	08 38 56
May 8 COL		eP	08 50 36
		e	55 16
EUR		iP	08 54 06
May 8 COL		iP	10 00 54
EUR		eP	10 04 13
		i	04 26
HHM		e(P)	10 03 45
May 8 SJP		eP	10 03 06
May 8 COL		eP	10 35 10

Date and Station		Phase (GCT)
		h m s
EUR	eP	10 38 17
May 8		
COL	eP	11 12 33
May 8		
EUR	eP	12 13 36
May 8		
BCN	eP	12 46 20
BUT	eP	12 46 34
COL	eP	12 49 21
	e	49 27
	ePcP	52 43
	e	52 50
EUR	eP	12 45 51
	i	45 59
FGU	eP	12 47 06
HHM	eP	12 47 33
RCD	eP	12 47 54
TUC	e(P)	12 47 29
	e	47 36
TUT	eP	12 47 34
May 8		
BCN	eP	14 00 23
HHM	eP	14 00 40
TUT	eP	14 01 35
May 8		
COL	e(P)	14 38 08
EUR	eP	14 37 33
May 8		
COL	eP	16 39 13
	epP	40 06
May 8		
FGU	eP	18 42 11
	e	42 41
THU	eP	18 44 42
May 8		
BHP	iP	19 30 25
	iS	35 59
BCN	eP	19 35 06
BOZ	eP	19 35 41
	eS	45 38
BUT	eP	19 35 35
	e(S)	45 48
COL	eP	19 37 58
	ePP	43 12

Date and Station		Phase (GCT)
		h m s
CSC	eP	19 33 35
	eS	41 38
EUR	iP	19 35 27
FGU	iP	19 35 14
	eL	45 51
GCA	e(P)	19 35 11
HHM	iP	19 35 57
	eS	46 12
RCD	iP	19 35 15
SJP	iP	19 31 33
TUC	eP	19 34 38
	eS	43 40
	eL	56 26
TUT	iP	19 34 38
UKI	eP	19 35 24
WAS	eP	19 34 05
	eS	42 50
May 8		
EUR	eP	22 36 39
HHM	eP	22 37 18
May 8		
HHM	eP	22 57 42
May 8		
COL	iP	23 04 54
May 8		
FGU	e(P)	23 46 17
	i	47 17
May 9		
BCN	eP	00 01 59
BOZ	eP	00 01 50
	eL	06 28
BUT	eP	00 01 38
	eL	05 22
COL	eP	00 04 08
	ePcP	07 49
EUR	eP	00 01 21
FGU	eP	00 02 14
GCA	e(P)	00 02 27
HHM	eP	00 01 28
	e	03 06
RCD	eP	00 03 05
TUC	iP	00 03 04
TUT	iP	00 03 04

Date and Station		Phase (GCT)
		h m s
May 9		
COL	eP	01 34 40
	e	35 13
EUR	iP	01 35 25
May 9		
BCN	eP	02 23 52
EUR	eP	02 24 34
FGU	eP	02 24 40
RCD	eP	02 25 18
TUC	eP	02 22 55
TUT	eP	02 22 56
May 9		
COL	e(P)	03 19 58
May 9		
COL	e(P)	05 42 01
May 9		
BCN	eP	07 08 35
EUR	eP	07 08 00
HHM	eP	07 08 42
RCD	e(P)	07 10 01
TUC	eP	07 09 37
May 9		
COL	e(P)	08 29 24
EUR	eP	08 28 50
FGU	e(P)	08 32 59
	e	34 12
TUC	eP	08 28 45
TUT	eP	08 28 46
May 9		
COL	iP	09 31 07
	e	31 23
EUR	e(P)	09 30 35
May 9		
BCN	eP	10 48 09
May 9		
COL	iP	11 03 41
EUR	iP	11 06 57
	ipP	07 07
HHM	eP	11 06 27
May 9		
COL	iP	11 18 39
	ipP	19 02
EUR	iP	11 19 35

Date and Station		Phase (GCT)
		h m s
May 9		
BUT	eP	12 05 50
	eL	09 16
EUR	eP	12 05 12
HHM	eP	12 05 56
RCD	e(P)	12 07 17
TUC	eP	12 06 50
	e	06 57
TUT	e(P)	12 06 56
May 9		
BCN	eP	12 09 05
COL	eP	12 12 08
EUR	eP	12 08 33
FGU	eP	12 09 39
HHM	eP	12 09 19
	eL	11 29
RCD	eP	12 10 41
TUC	e(P)	12 10 10
TUT	e(P)	12 10 11
UKI	eP	12 07 20
May 9		
COL	iP	12 15 27
EUR	eP	12 17 11
May 9		
COL	eP	13 36 50
	e	38 17
May 9		
COL	eP	13 38 45
	e	39 06
May 9		
COL	e(P)	16 05 13
May 9		
COL	e(P)	17 39 58
May 9		
COL	iP	19 21 31
May 9		
GUA	eP	23 18 00
May 10		
COL	iP	03 26 25
	i	26 36
EUR	e(P)	03 26 00
May 10		
COL	e(P)	04 26 45

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Date and Station		Phase	(GCT) h m s
EUR	eP		04 28 52
TUC	eP		04 29 56
May 10			
GCA	eP		05 02 37
May 10			
EUR	i(P)		06 28 12
May 10			
BHP	i(P)		08 53 42
May 10			
COL	iP		09 07 44
EUR	eP		09 04 51
	i		04 59
FGU	eP		09 04 24
HHM	e(P)		09 05 26
RCD	e(P)		09 04 10
SJP	eP		08 58 28
	eS		09 00 22
TUC	e(P)		09 04 03
TUT	eP		09 04 03
May 10			
COL	eP		09 51 59
EUR	e(P)		09 49 16
May 10			
BCN	eP		10 16 53
BOZ	eP		10 17 36
BUT	eP		10 17 31
COL	iP		10 17 33
	i		17 52
EUR	iP		10 16 59
	ipP		17 11
FGU	e(P)		10 17 27
GCA	eP		10 17 10
HHM	iP		10 17 33
RCD	eP		10 17 56
SLC	eP		10 17 19
TUC	eP		10 16 59
TUT	iP		10 17 00
May 10			
TUC	eP		11 45 29
TUT	eP		11 45 29

Date and Station		Phase	(GCT) h m s
May 10			
FGU	eP		12 36 12
May 10			
SLC	eP		13 14 39
May 10			
COL	eP		15 13 01
May 10			
COL	iP		16 26 25
May 10			
COL	e(P)		17 20 05
EUR	i(P)		17 21 37
HHM	eP		17 20 41
May 10			
TUC	iP		18 24 23
TUT	eP		18 24 10
	iS		25 22
GCA	e(P)		18 27 36
	e		27 53
May 10			
FGU	eP		18 29 53
May 10			
BOZ	eP		20 50 51
May 10			
COL	i(P)		22 48 39
May 10			
COL	iP		23 37 29
EUR	eP		23 37 00
May 11			
TUC	e(P)		00 24 37
	e		24 42
May 11			
COL	iP		00 59 10
May 11			
BOZ	eP'		01 10 31
EUR	iP'		01 10 29
FGU	eP'		01 10 35
	iPP		13 51
HHM	eP'		01 10 23
RCD	ePP		01 13 59
TUC	ePP		01 14 03
May 11			
COL	eP		01 21 21
May 11			
EUR	eP		01 53 31
TUC	eP		01 55 07

Date and Station		Phase	(GCT) h m s
May 11			
COL	e		04 28 41
May 11			
COL	e(P)		04 57 16
	e		58 44
EUR	eP		05 01 01
May 11			
BUT	eP		05 02 19
COL	e(P)		05 05 10
EUR	iP		05 01 39
FGU	eP		05 02 16
	e		02 44
HHM	eP		05 02 22
	e(S)		04 28
RCD	eP		05 03 37
TUT	e(P)		05 02 48
UKI	e(P)		05 00 17
May 11			
COL	e(P)		05 08 29
May 11			
EUR	e(P)		05 25 40
May 11			
COL	iP		05 38 31
	i		38 50
	i		39 00
	ipP		40 15
	eS		48 22
EUR	iP		05 38 09
	ipP		39 54
FGU	eP		05 38 30
	epP		40 20
HHM	iP		05 38 38
TUC	eP		05 38 11
	epP		39 55
TUT	eP		05 38 12
May 11			
CSC	eP		06 51 03
May 11			
EUR	eP		07 03 46
HHM	eP		07 04 26
May 11			
EUR	i(P)		07 16 26
May 11			
COL	iP		07 24 18
	ipP		24 48

Date and Station		Phase	(GCT) h m s
EUR	eP		07 25 26
SJP	iP'		07 31 19
May 11			
COL	i(P)		07 33 20
May 11			
COL	eP		08 15 06
May 11			
BCN	eP		08 50 50
BOZ	eP		08 51 22
	eS		09 02 09
BUT	eP		08 51 28
COL	iP'		08 57 09
CSC	eP		08 49 45
	eS		59 00
EUR	iP		08 51 07
	ePKKP		09 09
	eP'P'		17 08
FGU	iP		08 50 59
GCA	eP		08 50 48
HHM	eP		08 51 39
RCD	eP		08 51 03
SLC	eP		08 51 05
SJP	iP		08 48 02
TUC	eP		08 50 23
	e		51 08
	eL		09 15 58
TUT	iP		08 50 23
WAS	eP		08 50 07
May 11			
CSC	eP		09 01 06
May 11			
HHM	e(P)		09 08 21
May 11			
EUR	iP		10 32 49
May 11			
FGU	eP		12 47 57
May 11			
COL	eP		13 04 57
EUR	iP		13 07 30
HHM	eP		13 07 14

Date and Station		Phase (GCT) h m s
May 11		
COL	iP	13 33 18
EUR	iP	13 36 38
	ipP	36 51
HHM	eP	13 36 10
RCD	e(P)	13 37 03
THU	eP	13 35 28
May 11		
COL	iP	13 44 09
	ipP	44 20
EUR	iP	13 47 28
	ipP	47 41
HHM	eP	13 46 53
RCD	eP	13 48 06
THU	eP	13 46 04
TUC	eP	13 48 30
May 11		
COL	e(P)	14 04 34
May 11		
COL	iP	14 22 13
May 11		
COL	iP	15 36 45
	i	37 54
	i	38 43
May 11		
COL	eP	16 54 55
May 11		
COL	eP	18 25 14
EUR	e(P)	18 26 12
TUT	eP	18 27 42
May 11		
BCN	eP	18 51 29
BUT	eP	18 51 41
COL	eP	18 54 30
	ePcP	57 51
EUR	iP	18 50 58
FGU	eP	18 51 50
GCA	eP	18 51 56
HHM	eP	18 51 43
	e	52 18
RCD	eP	18 52 59
TUC	eP	18 52 40
TUT	eP	18 52 34
UKI	eP	18 49 44

Date and Station		Phase (GCT) h m s
May 11		
COL	eP	19 49 44
May 11		
EUR	i(P)	20 01 24
May 11		
COL	iP	20 03 10
May 11		
EUR	e(P)	20 59 27
HHM	eP	21 00 01
TUC	eP	21 01 06
TUT	eP	21 01 06
May 11		
EUR	e(P)	23 16 24
HHM	eP	23 17 10
TUC	eP	23 18 10
May 11		
COL	e(P)	23 23 18
May 11		
COL	eP	23 39 15
May 12		
EUR	e(P)	00 11 15
	e	12 17
May 12		
KIP	e(P)	00 20 34
May 12		
COL	e(P)	00 53 37
May 12		
COL	eP	01 26 17
May 12		
COL	iP	02 11 58
May 12		
COL	iP	02 19 58
EUR	iP	02 22 03
May 12		
EUR	eP	03 32 27
GCA	e(P)	03 32 59
	e	33 37
HHM	eP	03 33 14
TUC	iP	03 34 07
TUT	eP	03 34 02
May 12		
COL	ePP	03 57 27

Date and Station		Phase (GCT) h m s
EUR	eP'	03 59 21
	i	59 30
	ePP	04 02 42
FGU	eP'	03 59 26
HHM	e(P')	03 59 18
May 12		
COL	iP	04 57 51
EUR	eP	04 57 16
FGU	eP	04 57 41
GCA	e(P)	04 57 11
TUC	iP	04 57 12
TUT	eP	04 57 12
May 12		
COL	iP	05 02 02
May 12		
EUR	e(P)	06 22 27
HHM	eP	06 23 12
TUC	eP	06 24 08
May 12		
EUR	e(P)	06 31 39
FGU	e(P)	06 32 00
	e	35 36
	e	39 40
GCA	e(P)	06 31 33
	e(S)	32 56
TUC	eP	06 30 06
	iS	31 12
	iL	31 16
TUT	eP	06 30 08
	iS	31 19
May 12		
COL	iP	06 38 22
EUR	iP	06 38 45
	epP	39 16
HHM	eP	06 39 02
	e	48 26
May 12		
COL	iP	06 36 09
EUR	iP	06 39 36
	i	40 06
HHM	e(P)	06 39 54
THU	eP	06 38 28
TUC	eP	06 39 27

Date and Station		Phase (GCT) h m s
May 12		
COL	eP	06 58 09
EUR	eP	07 00 39
	ePP	04 24
HHM	eP	07 00 20
May 12		
COL	e(P)	07 08 45
May 12		
COL	eP	07 15 11
	e	15 18
May 12		
COL	eP	07 37 29
	epP	37 40
EUR	eP	07 36 54
TUC	eP	07 36 50
May 12		
COL	eP	07 58 56
	e	59 15
May 12		
GUA	iP	09 26 31
May 12		
EUR	e(P)	10 11 50
FGU	e(P)	10 11 39
	e	11 48
	e	15 24
May 12		
EUR	eP	10 15 25
HHM	e(P)	10 15 59
May 12		
COL	eP	11 41 43
	e	42 34
May 12		
COL	e(P)	13 06 26
May 12		
COL	eP'	13 15 15
EUR	eP	13 09 14
FGU	eP	13 09 01
HHM	eP	13 09 44
May 12		
COL	e(P)	13 25 01
May 12		
COL	e(P)	13 42 32
May 12		
COL	e(P)	14 22 31
May 12		
COL	eP	14 50 18

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Date and Station		Phase	(GCT) h m s
May 12			
BCN		eP	15 15 36
May 12			
COL		eP	15 54 35
		e	56 29
May 12			
GUA		iP	16 48 34
		iS	49 24
COL		iP	16 58 52
May 12			
COL		e(P)	17 21 21
May 12			
COL		e(P)	17 34 13
May 12			
BCN		eP	17 39 40
BOZ		e(P)	17 39 05
BUT		eP	17 40 00
COL		eP	17 42 43
		ePcP	46 06
EUR		iP	17 39 14
GCA		eP	17 40 09
HHM		eP	17 39 55
RCD		eP	17 41 14
TUC		e(P)	17 40 54
TUT		eP	17 40 46
UKI		e(P)	17 38 05
May 12			
COL		e(P)	19 05 59
May 12			
COL		eP	20 20 29
May 12			
COL		eP	20 43 53
May 12			
COL		iP	21 38 31
EUR		i(P)	21 38 16
May 12			
COL		eP	21 59 06
		e	59 12
May 12			
BCN		eP	21 52 48
COL		e(P)	21 55 46
EUR		i(P)	21 52 30
FGU		eP	21 53 18
GCA		eP	21 53 18
TUC		e(P)	21 54 02
TUT		eP	21 53 53
May 12			
EUR		i(P)	22 59 50
FGU		eP	23 00 30
May 13			
GCA		eP	00 16 57
May 13			
EUR		e(P)	02 46 06
		i	46 18
HHM		eP	02 46 40
May 13			
COL		e(P)	02 52 51
May 13			
EUR		e(P)	03 33 07
May 13			
COL		eP	03 35 22
EUR		eP	03 38 49
HHM		eP	03 38 18
May 13			
EUR		e(P)	03 49 00
May 13			
EUR		eP	04 14 06
HHM		eP	04 14 47
May 13			
COL		e(P)	04 52 56
May 13			
COL		e(P)	05 02 28
May 13			
COL		e(P)	05 05 10
May 13			
BOZ		eP	05 46 24
COL		e(P)	05 49 00
EUR		eP	05 45 29
FGU		e(P)	05 46 48
GCA		eP	05 46 28
HHM		eP	05 46 13
		eS	48 14
RCD		eP	05 47 33
TUC		iP	05 47 09
TUT		eP	05 47 07
UKI		eP	05 44 40
May 13			
COL		e(P)	05 52 22
May 13			
COL		iP	06 29 02
EUR		e(P)	06 32 42
HHM		eP	06 32 17
		e	34 55
May 13			
EUR		eP	08 01 02
FGU		eP	08 00 52
HHM		e(P)	08 01 34
TUC		eP	08 00 19
May 13			
BOZ		eP	08 50 40
BCN		eP	08 50 17
BUT		eP	08 50 30
		eL	54 01
COL		e(P)	08 53 18
EUR		eP	08 49 47
FGU		eP	08 50 56
GCA		eP	08 50 43
HHM		eP	08 50 31
		eS	52 39
RCD		eP	08 51 48
SJP		e(P)	08 57 11
TUC		iP	08 51 23
		i	51 27
TUT		eP	08 51 23
UKI		eP	08 48 31
May 13			
COL		iP	08 56 40
May 13			
COL		e(P)	09 23 15
May 13			
COL		e(P)	09 36 09
May 13			
EUR		iP	10 17 20
May 13			
BOZ		eP	12 52 29
BUT		eP	12 52 35
COL		iP	12 55 52
EUR		iP	12 52 12
		i	52 28
FGU		iP	12 51 50
		i	52 04
		iPcP	54 29
HHM		eP	12 52 55
RCD		e(P)	12 52 59
TUC		iP	12 51 05
May 13			
BCN		eP	13 54 28
COL		iP	13 55 11
EUR		eP	13 54 36
GCA		eP	13 54 42
HHM		e(P)	13 55 09
TUC		iP	13 54 31
May 13			
COL		eP	14 30 48
EUR		eP	14 30 17
May 13			
BCN		eP	14 31 25
COL		iP	14 32 06
		ipP	32 17
		ePP	35 55
EUR		iP	14 31 31
FGU		eP	14 31 23
GCA		eP	14 31 39
HHM		eP	14 31 56
RCD		eP	14 32 24
THU		eP'	14 37 32
TUC		eP	14 31 26
		eL	15 00 04
TUT		eP	14 31 27
May 13			
COL		e(P)	14 52 50
May 13			
FGU		iP	15 00 46
		i	02 43
May 13			
BOZ		eP	15 04 51
BUT		eP	15 04 46

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Date and Station		Phase (GCT)
		h m s
COL	iP	15 04 38
	ipP	06 36
	e(S)	14 26
EUR	iP	15 04 20
GCA	iP	15 04 31
	epP	06 33
HON	iP	15 00 15
KIP	iP	15 00 15
HHM	iP	15 04 47
	eS	14 25
RCD	eP	15 05 11
SLC	eP	15 04 37
THU	eP'	15 10 28
	e	11 17
TUC	iP	15 04 23
	ipP	06 22
	iS	13 58
TUT	iP	15 04 24
	eS	14 00
May 13		
FGU	eP	15 56 48
May 13		
BCN	eP	16 00 49
COL	iP	15 57 14
	ipP	57 25
	iPP	58 49
EUR	iP	16 00 31
HHM	iP	16 00 03
	eS	08 16
RCD	iP	16 00 57
THU	iP	15 59 20
TUC	iP	16 01 19
May 13		
COL	iP	16 15 50
	i	16 00
May 13		
GUA	iP	17 20 31
COL	eP	17 31 15
EUR	eP	17 33 08
HHM	eP	17 33 02
May 13		
COL	iP	17 49 47
	i	49 5[illegible]
	e	50 18

Date and Station		Phase (GCT)
		h m s
May 13		
COL	e(P)	18 51 25
EUR	eP	18 47 54
GCA	eP	18 48 49
HHM	eP	18 48 34
RCD	eP	18 49 07
May 13		
COL	e(P)	18 54 42
May 13		
COL	iP	19 30 07
	epP	31 05
EUR	eP	19 32 38
HHM	iP	19 32 17
	epP	33 16
THU	eP	19 31 07
May 13		
BCN	eP	19 53 15
COL	e(P)	19 58 03
EUR	iP	19 53 46
GCA	eP	19 53 09
HHM	eP	19 54 48
TUC	eP	19 52 23
	e	53 24
	eS	55 14
	e	55 31
	iL	57 40
May 14		
EUR	e(P)	00 46 04
May 14		
BCN	eP	02 56 05
COL	iP	02 56 44
EUR	eP	02 56 08
GCA	eP	02 56 17
HHM	e(P)	02 56 40
TUC	eP	02 56 05
May 14		
COL	eP'	03 22 18
EUR	eP'	03 23 11
	ePP	26 34
HHM	e(P')	03 23 03
May 14		
EUR	eP	08 04 01
HHM	eP	08 05 07

Date and Station		Phase (GCT)
		h m s
May 14		
COL	iP	08 34 14
	i(pP)	34 26
EUR	eP	08 33 39
GCA	e(P)	08 33 46
TUC	iP	08 33 37
May 14		
TUT	eP	09 01 19
May 14		
TUT	e(P)	11 06 24
May 14		
COL	e(P)	11 37 35
May 14		
COL	eP	12 16 26
EUR	eP	12 17 23
HHM	e(P)	12 17 00
May 14		
EUR	iP	12 18 44
May 14		
EUR	eP	12 27 54
May 14		
EUR	eP	12 31 22
May 14		
COL	e(P)	12 37 11
EUR	eP	12 38 12
May 14		
COL	iP	13 00 30
EUR	eP	13 00 09
May 14		
COL	iP	13 32 27
EUR	eP	13 31 52
May 14		
COL	e(P)	13 52 05
EUR	iP	13 51 30
TUC	iP	13 51 25
May 14		
HHM	e(P)	15 13 52
May 14		
COL	eP	15 16 03
EUR	e(P)	15 18 10
May 14		
BOZ	eP	15 47 04
COL	eP	15 46 09

Date and Station		Phase (GCT)
		h m s
EUR	eP	15 47 57
HHM	eP	15 46 51
THU	eP	15 42 05
	eL	47 52
TUC	iP	15 48 29
TUT	eP	15 48 28
May 14		
EUR	e(P)	17 32 04
May 14		
EUR	eP	17 54 11
GCA	e(P)	17 54 46
HHM	eP	17 54 59
May 14		
EUR	e(P)	19 18 00
GCA	eP	19 18 54
HHM	eP	19 18 41
May 14		
BCN	eP	19 34 13
BOZ	eP	19 34 37
	eL	38 26
BUT	eP	19 34 25
	eL	37 14
COL	eP	19 37 13
	ePcP	40 36
EUR	eP	19 33 43
	i	33 48
GCA	eP	19 34 41
HHM	iP	19 34 29
	eS	36 32
RCD	eP	19 35 46
SLC	eP	19 34 25
	eL	38 05
SJP	i(P)	19 41 24
TUC	iP	19 35 20
	eL	40 31
TUT	eP	19 35 21
UKI	eP	19 32 22
WAS	eP	19 38 48
	e	48 36
May 14		
EUR	eP	20 55 06

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Date and Station		Phase	(GCT) h m s
GCA	eP		20 56 02
HHM	eP		20 55 47
TUC	eP		20 56 43
May 14			
EUR	eP		22 51 12
HHM	eP		22 51 28
May 14			
EUR	iP		23 21 13
May 14			
HHM	eP		23 32 05
	iS		33 10
May 15			
EUR	eP		02 30 44
May 15			
EUR	eP		03 27 06
	eL		28 50
HHM	eP		03 26 27
	iS		27 33
May 15			
EUR	e(P)		03 34 57
May 15			
COL	iP		03 30 41
EUR	eP		03 36 33
HHM	eP		03 35 35
May 15			
EUR	eP		04 34 54
HHM	eP		04 35 40
TUC	iP		04 36 35
TUT	eP		04 36 34
May 15			
EUR	e(P)		04 43 06
May 15			
COL	iP		05 47 06
HHM	eP		05 46 31
May 15			
EUR	e(P)		08 23 30
May 15			
COL	iP		11 21 29
EUR	eP		11 26 15
May 15			
EUR	eP		11 32 20
May 15			
GUA	iP		16 35 55
	eS		36 13

Date and Station		Phase	(GCT) h m s
May 15			
BCN	eP		19 25 10
COL	iP		19 24 53
	i(pP)		25 05
EUR	iP		19 25 10
	ipP		25 22
	ePP		28 52
FGU	eP		19 25 33
HHM	eP		19 25 28
SJP	eP'		19 31 18
TUC	i(P)		19 25 30
	e		25 46
TUT	eP		19 25 20
May 15			
COL	iP		20 01 55
EUR	iP		20 02 12
	ipP		02 24
HHM	eP		20 02 30
TUT	eP		20 02 22
May 15			
COL	iP		21 05 45
	e		06 51
	e(S)		15 46
EUR	iP		21 05 22
FGU	iP		21 05 46
	ePP		08 40
HON	iP		21 01 25
HHM	iP		21 05 50
RCD	e(P)		21 06 09
TUC	iP		21 05 22
May 15			
COL	iP		21 07 37
EUR	i(P)		21 07 14
FGU	i(P)		21 07 29
TUC	e(P)		21 07 17
May 15			
COL	e(P)		23 09 21
May 16			
EUR	eP		01 39 36
FGU	e(P)		01 39 15
HHM	eP		01 40 16
May 16			
COL	e(P)		01 58 43

Date and Station		Phase	(GCT) h m s
May 16			
EUR	eP		03 03 45
May 16			
BCN	eP		03 40 02
COL	iP		03 36 21
	e		36 47
CSC	eP		03 42 47
EUR	iP		03 39 44
FGU	eP		03 40 10
	iPcP		42 01
	iScP		45 48
HHM	iP		03 39 14
	iPcP		41 41
	eScP		45 22
RCD	eP		03 40 25
SJP	iP		03 44 46
THU	eP		03 39 43
TUC	iP		03 40 48
TUT	eP		03 40 49
May 16			
COL	eP		03 56 50
EUR	iP		04 00 13
	eScP		06 03
FGU	eP		04 00 39
	eScP		06 17
HHM	eP		03 59 43
	ePcP		04 02 09
	eScP		05 51
RCD	e(P)		04 00 54
SJP	e(P)		04 05 18
TUC	eP		04 01 12
TUT	eP		04 01 17
May 16			
TUT	eP		04 53 51
May 16			
FGU	eP		05 48 21
	eS		48 42
May 16			
COL	i(P)		09 55 49
EUR	eP		09 51 54
FGU	eP		09 51 36
HHM	eP		09 52 44
TUC	iP		09 50 42

Date and Station		Phase	(GCT) h m s
TUT	eP		09 50 42
May 16			
HHM	e(P)		09 58 59
	eS		10 00 09
May 16			
BCN	eP		12 07 41
BOZ	eP		12 08 08
EUR	e(P)		12 07 06
FGU	e(P)		12 08 58
	e		09 05
HHM	eP		12 07 49
	e(S)		09 59
RCD	eP		12 09 09
TUC	e(P)		12 08 29
	e		08 42
TUT	eP		12 08 45
May 16			
BUT	eP		12 08 26
	eS		08 56
HHM	eP		12 09 03
May 16			
COL	i(P)		13 11 24
May 16			
COL	i(P)		15 00 01
May 16			
COL	e(P)		15 25 41
	e		25 51
May 16			
COL	iP		17 20 02
May 16			
EUR	e(P)		17 29 15
May 16			
COL	e(P)		17 35 40
May 16			
BCN	eP		17 40 13
COL	eP		17 40 54
	epP		41 07
EUR	eP		17 40 19
FGU	eP		17 40 41
HHM	eP		17 40 51
RCD	eP		17 41 10
TUC	eP		17 40 20
	i		40 27

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Date and Station		Phase (GCT)
		h m s
TUT	eP	17 40 16
May 16		
BOZ	eP	18 04 13
COL	eP	18 07 40
	ePcP	08 15
EUR	eP	18 04 00
FGU	eP	18 03 34
HHM	iP	18 04 40
TUC	e(P)	18 02 49
TUT	eP	18 02 53
May 16		
COL	eP	20 14 11
May 16		
COL	iP	20 32 39
May 16		
GUA	iP	20 55 15
May 16		
COL	eP	21 22 24
	e	23 07
May 16		
BCN	eP	21 58 21
BOZ	eP	21 58 02
BUT	eP	21 57 56
COL	iP	21 55 24
	ePP	58 01
EUR	iP	21 58 07
FGU	iP	21 58 51
	e	22 01 26
GUA	eP	21 50 04
	eS	53 56
HHM	iP	21 57 46
	ePP	22 00 42
	eS	07 58
RCD	iP	21 58 26
SLC	eP	21 58 16
THU	iP	21 56 53
	i(pP)	57 06
	e	57 20
	ePP	59 34
TUC	iP	21 58 44
	ePP	22 02 30
TUT	eP	21 58 35

Date and Station		Phase (GCT)
		h m s
May 16		
COL	eP	22 36 24
May 16		
COL	e(P)	22 47 32
May 16		
FGU	e(P)	23 01 16
	e	01 32
May 16		
FGU	eP	23 57 18
	e	57 54
May 17		
COL	iP	01 07 55
	e	08 39
EUR	eP	01 08 10
HHM	eP	01 08 37
May 17		
TUT	e(P)	02 01 53
May 17		
EUR	eP	02 05 37
FGU	eP	02 05 09
HHM	eP	02 06 17
TUC	eP	02 04 30
TUT	eP	02 04 30
	e	07 00
May 16		
EUR	eP	02 08 05
May 17		
BUT	eP	03 24 46
COL	eP	03 27 40
	ePcP	30 56
EUR	eP	03 24 03
FGU	e(P)	03 25 08
	e	25 14
HHM	eP	03 24 48
	eS	26 50
RCD	eP	03 26 04
SJP	e(P)	03 31 43
TUC	e(P)	03 25 39
	e	25 43
TUT	eP	03 25 43
UKI	e(P)	03 21 39
May 17		
EUR	eP	03 30 57

Date and Station		Phase (GCT)
		h m s
May 17		
EUR	eP	04 16 28
FGU	eP	04 16 02
TUC	iP	04 15 23
TUT	eP	04 15 22
May 17		
EUR	eP	04 21 22
May 17		
COL	eP	04 36 06
EUR	eP	04 37 58
GUA	iP	04 25 26
	eL	26 46
HHM	eP	04 37 55
May 17		
COL	eP	05 08 00
EUR	e(P)	05 11 04
May 17		
COL	eP	06 07 28
May 17		
EUR	eP	06 13 23
May 17		
EUR	e(P)	06 29 37
HHM	eP	06 30 06
May 17		
EUR	e(P)	06 36 42
HHM	eP	06 37 28
RCD	eP	06 38 34
TUC	eP	06 38 20
TUT	eP	06 38 24
UKI	eP	06 35 30
May 17		
BOZ	eP	08 44 07
BUT	eP	08 43 59
COL	iP	08 40 41
	ipP	40 52
	e	41 27
	e	42 12
EUR	iP	08 44 15
FGU	eP	08 44 32
HHM	iP	08 43 43
RCD	iP	08 44 42

Date and Station		Phase (GCT)
		h m s
SLC	eP	08 44 26
THU	eP	08 43 08
TUC	iP	08 45 07
TUT	eP	08 45 07
May 17		
EUR	eP	10 25 00
May 17		
EUR	iP	10 46 16
May 17		
COL	e(P)	14 28 21
May 17		
COL	e(P)	15 37 19
May 17		
COL	e(P)	17 54 35
May 17		
COL	iP	18 37 43
	ipP	37 54
May 17		
BCN	eP	19 38 29
BOZ	eP	19 37 57
	eScS	47 49
BUT	eP	19 37 49
	e(S)	44 36
COL	iP	19 34 29
	iS	38 34
CSC	eP	19 40 47
	eS	50 04
EUR	iP	19 38 05
	i	38 26
	iPcP	39 02
	iScP	43 24
FGU	eP	19 38 26
	eScP	43 40
GCA	eP	19 38 35
	eScS	46 27
HON	eP	19 36 39
	eS	42 40
	eL	45 44
HHM	iP	19 37 33
	i	40 00
	e	41 38
	iS	44 04
RCD	iP	19 38 39
	iPcP	39 38
	ePP	40 29
	e	41 19
SLC	eP	19 38 19

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

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Date and Station		Phase (GCT) h m s
May 19		
FGU	eP	06 42 07
May 19		
THU	eP	08 04 00
May 19		
EUR	eP	08 18 59
May 19		
COL	e(P)	08 29 09
May 19		
COL	e(P)	08 32 05
EUR	eP	08 34 46
May 19		
EUR	eP	08 40 19
May 19		
COL	iP	09 25 41
EUR	eP	09 26 09
May 19		
COL	eP	09 33 17
May 19		
BOZ	eP	09 32 56
BUT	eP	09 33 04
COL	iP	09 36 20
EUR	iP	09 32 40
FGU	iP	09 32 18
	iPcP	34 57
GCA	iP	09 32 05
HHM	iP	09 33 24
	iPcP	35 20
RCD	eP	09 32 19
	ePP	33 40
	e	33 56
SLC	eP	09 32 25
SJP	iP	09 30 32
THU	eP	09 36 11
	e	36 26
TUC	eP	09 31 33
	i	31 38
	ePcP	34 44
	i	34 58
	e(S)	36 48
	eL	41 07
WAS	eP	09 31 27
	eS	37 29
May 19		
HON	iP	10 32 39
	eS	33 16
	iL	33 20

Date and Station		Phase (GCT) h m s
EUR	eP	10 39 17
May 19		
HHM	e(P)	11 13 43
	e(S)	15 01
May 19		
BOZ	eP	13 46 19
BUT	eP	13 46 40
HHM	eP	13 47 09
	eS	48 10
May 19		
GUA	iP	13 57 04
	eS	57 18
May 19		
BCN	eP	14 50 22
COL	eP	14 53 26
	e	56 44
	e	56 50
EUR	eP	14 49 55
HHM	eP	14 50 37
	e	52 34
RCD	eP	14 51 53
TUC	eP	14 51 32
UKI	eP	14 48 35
May 19		
COL	e(P)	14 58 50
EUR	e(P)	15 02 43
May 19		
HHM	eP	16 36 50
	iS	37 30
May 19		
COL	iP	16 48 23
	i	48 46
	ePP	50 56
EUR	eP	16 50 51
GUA	iP	16 42 21
HHM	iP	16 50 32
	ipP	50 43
THU	iP	16 49 30
	iPP	52 29
May 19		
EUR	e(P)	16 54 31
May 19		
COL	i(P)	18 41 46
May 19		
EUR	eP	19 13 21

Date and Station		Phase (GCT) h m s
May 19		
COL	e(P)	21 28 56
May 19		
COL	iP	21 41 42
	i	42 14
May 19		
COL	e(P)	22 05 41
May 19		
HHM	eP	22 11 01
	e(S)	11 57
May 19		
EUR	iP	22 16 09
May 19		
EUR	iP	22 27 23
May 19		
HHM	iP	23 17 37
May 19		
EUR	iP	23 23 00
May 19		
EUR	eP	23 59 36
May 20		
EUR	eP	00 08 41
TUT	e(P)	00 08 28
May 20		
COL	e(P)	00 48 09
EUR	eP	00 51 35
HHM	eP	00 51 07
	iPcP	53 33
SJP	eP	00 56 38
THU	eP	00 52 05
TUT	eP	00 52 38
May 20		
EUR	e(P)	04 07 56
May 20		
EUR	e(P)	07 05 14
May 20		
COL	e(P)	07 13 21
EUR	e(P)	07 17 03
FGU	e(P)	07 16 43
HHM	eP	07 15 59
May 20		
BCN	eP	11 10 14
EUR	e(P)	11 10 56
TUC	e(P)	11 10 24
	eL	11 32

Date and Station		Phase (GCT) h m s
May 20		
COL	iP	11 58 34
EUR	iP	12 01 53
	ipP	02 07
FGU	e(P)	12 02 10
HHM	iP	12 01 25
RCD	e(P)	12 02 31
THU	eP	12 00 44
TUC	e(P)	12 02 41
	epP	02 55
May 20		
COL	e(P)	12 13 35
May 20		
EUR	eP	12 24 40
FGU	e(P)	12 24 31
HHM	e(P)	12 25 20
SJP	iP	12 22 16
May 20		
COL	e(P)	12 28 33
May 20		
EUR	e(P)	17 33 43
HHM	eP	17 32 38
May 20		
COL	iP	17 55 05
EUR	eP	17 57 32
HHM	eP	17 56 28
TUT	eP	17 58 10
May 20		
COL	iP'	18 10 57
	ePP	12 24
EUR	e(P')	18 11 17
HHM	eP'	18 11 02
TUC	e(P')	18 11 28
May 20		
TUC	iP	19 38 18
	iS	38 39
	iL	38 40
May 20		
COL	iP	20 04 29
May 20		
BOZ	eP	21 03 38
BUT	eP	21 03 53

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Date and Station		Phase	(GCT) h m s
FGU	e(P)		21 04 30
HHM	eP		21 04 18
	iS		05 32
May 20			
HHM	e(P)		21 22 18
May 20			
BOZ	eP		21 22 17
BUT	eP		21 22 33
EUR	e(P)		21 23 32
HHM	eP		21 23 07
	iS		24 13
RCD	e(P)		21 23 49
May 20			
COL	iP		21 40 25
May 20			
UKI	iP		22 13 10
May 20			
COL	iP		22 17 19
May 20			
COL	e(P)		22 29 26
May 20			
COL	iP		22 48 54
May 20			
COL	iP		23 32 32
May 21			
COL	i(P)		01 15 57
HHM	eP		01 18 13
May 21			
BCN	eP		02 56 31
EUR	eP		02 55 55
HHM	eP		02 56 45
TUC	e(P)		02 57 36
	e		57 41
TUT	eP		02 57 36
May 21			
BCN	eP		03 41 31
May 21			
COL	eP		03 46 40
EUR	eP		03 43 19
FGU	e(P)		03 45 03
HHM	iP		03 44 07
	e		45 38
RCD	e(P)		03 45 23

Date and Station		Phase	(GCT) h m s
TUC	eP		03 45 02
TUT	eP		03 45 02
UKI	eP		03 42 06
May 21			
COL	iP		05 32 18
EUR	eP		05 35 33
FGU	eP		05 35 50
HHM	iP		05 35 06
THU	eP		05 34 18
May 21			
COL	eP		06 17 45
	epP		17 58
May 21			
COL	iP		06 42 13
EUR	eP		06 41 44
May 21			
COL	i(P)		06 49 24
May 21			
EUR	e(P)		07 58 00
May 21			
BCN	eP		08 01 17
COL	eP		08 04 15
EUR	eP		08 00 40
HHM	eP		08 01 26
RCD	eP		08 02 50
TUC	e(P)		07 59 44
	eL		08 02 21
TUT	e(P)		07 59 38
	eL		08 02 21
UKI	eP		07 59 29
May 21			
COL	e(P)		08 07 33
May 21			
EUR	eP		08 11 58
FGU	eP		08 11 41
TUC	eP		08 10 42
May 21			
HHM	e(P)		08 15 11
May 21			
COL	eP		08 21 08
EUR	eP		08 24 27

Date and Station		Phase	(GCT) h m s
May 21			
COL	iP		08 46 59
EUR	eP		08 44 10
FGU	eP		08 43 55
TUC	eP		08 43 14
TUT	eP		08 43 14
May 21			
COL	iP		08 55 50
EUR	eP		08 55 20
FGU	eP		08 55 47
HHM	e(P)		08 56 25
May 21			
COL	e(P)		09 06 11
May 21			
COL	iP		10 24 45
EUR	e(P)		10 27 12
HHM	iP		10 26 53
May 21			
EUR	e(P)		11 42 08
May 21			
COL	eP		13 28 46
May 21			
BCN	eP		15 17 59
	eS		20 37
BUT	eP		15 18 11
COL	eP		15 20 58
	e		23 34
	ePcP		24 19
EUR	eP		15 17 27
FGU	e(P)		15 18 42
HHM	eP		15 18 13
	eL		20 57
RCD	eP		15 19 29
TUC	eP		15 19 08
	i		19 13
	eS		21 54
UKI	eP		15 16 08
May 21			
COL	iP		15 40 35
HHM	e(P)		15 43 06
May 21			
COL	iP		15 45 48
EUR	e(P)		15 45 41

Date and Station		Phase	(GCT) h m s
May 21			
COL	iP		15 57 04
	i		57 08
May 21			
BCN	eP		15 59 20
EUR	iP		15 59 47
FGU	eP		15 59 58
HHM	eP		16 00 42
	e		01 47
RCD	e(P)		16 00 22
May 21			
EUR	eP		16 09 45
May 21			
EUR	eP		16 22 21
HHM	e(P)		16 23 09
May 21			
COL	iP		16 33 14
TUT	eP		16 32 05
UKI	eP		16 30 06
May 21			
EUR	e(P)		16 46 17
HHM	eP		16 47 08
RCD	e(P)		16 48 27
TUC	e(P)		16 48 05
May 21			
COL	e(P)		17 39 57
May 21			
BHP	iP		17 45 22
	iS		48 29
BCN	eP		17 48 16
	ePcP		50 31
COL	eP		17 53 53
	ePP		57 07
CSC	eP		17 48 52
EUR	e(P)		17 50 47
FGU	iP		17 50 33
	e		54 01
HHM	iP		17 51 30
	e		58 37
RCD	eP		17 50 33
SLC	eP		17 50 43
SJP	eP		17 46 59

Date and Station		Phase (GCT)
		h m s
TUC	e(P)	17 50 05
TUT	e(P)	17 48 12
	e	49 53
May 21		
COL	iP	18 25 39
	i	25 47
	ipP	25 53
EUR	eP	18 25 03
FGU	eP	18 25 32
HHM	e(P)	18 25 34
TUT	eP	18 25 05
May 21		
COL	e(P)	18 47 38
May 21		
COL	iP	19 25 14
	ePcP	26 49
EUR	iP	19 27 32
HHM	iP	19 27 26
	e	33 35
May 21		
COL	e(P)	19 56 38
May 21		
EUR	e(P)	20 57 47
FGU	eP	20 57 33
HHM	eP	20 58 24
May 21		
COL	e(P)	21 25 53
May 21		
EUR	eP'	21 58 42
HHM	eP'	21 58 54
RCD	eP'	21 59 02
SJP	eP'	21 59 34
May 22		
COL	iP	00 55 34
EUR	eP	00 56 31
HHM	e(P)	00 56 45
May 22		
FGU	e(P)	01 05 54
	eS	06 40
May 22		
FGU	eP	01 30 29
	ipP	30 57
HHM	iP	01 31 11
	ipP	31 39

Date and Station		Phase (GCT)
		h m s
RCD	eP	01 30 29
SJP	eP	01 26 44
TUC	eP	01 29 55
	epP	30 22
TUT	eP	01 29 54
May 22		
HHM	eP	01 59 08
	iS	02 00 04
May 22		
COL	iP	02 03 02
	i	03 06
May 22		
BHP	iP	03 42 48
	iS	43 21
May 22		
BHP	iP	03 45 13
	iS	46 05
May 22		
BHP	iP	03 54 24
	iS	55 15
May 22		
COL	iP	04 07 23
May 22		
EUR	e(P)	04 24 36
May 22		
EUR	e(P)	04 24 58
May 22		
EUR	eP	05 10 04
May 22		
EUR	e(P)	05 36 55
HHM	eP	05 37 36
TUC	e(P)	05 38 43
May 22		
EUR	e(P)	08 15 15
May 22		
COL	iP	08 26 20
EUR	e(P)	08 29 43
HHM	e(P)	08 29 14
May 22		
COL	e(P)	09 03 46
May 22		
BCN	eP	09 07 47
COL	iP	09 03 52
EUR	iP	09 07 27
FGU	eP	09 07 45

Date and Station		Phase (GCT)
		h m s
HHM	iP	09 06 54
RCD	eP	09 07 53
SLC	eP	09 07 36
THU	eP	09 06 18
	e	06 43
TUC	eP	09 08 19
	epP	08 30
TUT	eP	09 08 19
May 22		
EUR	eP	11 17 44
TUT	e(P)	11 16 04
	eS	17 15
May 22		
FGU	e(P)	11 21 46
May 22		
COL	e(P)	13 27 13
May 22		
BCN	eP	13 56 41
BOZ	e(P)	13 57 20
BUT	eP	13 57 16
	eS	14 07 55
COL	iP	13 57 20
	ePP	14 00 29
	i	06 34
	iS	08 06
EUR	iP	13 56 46
FGU	eP	13 57 12
	ePP	14 00 33
	eS	07 41
GCA	eP	13 55 59
GUA	iP	13 53 48
	e	56 58
HHM	iP	13 57 18
	ipP	57 38
	eS	14 07 32
KIP	eP	13 52 51
RCD	eP	13 57 38
SLC	eP	13 57 04
TUC	eP	13 56 45
	ePP	59 47
	e(S)	14 06 56
	e	07 29
	eL	21 07
TUT	eP	13 56 45
	epP	57 05
	e	57 28

Date and Station		Phase (GCT)
		h m s
UKI	eP	13 56 26
WAS	e(P')	14 03 36
May 22		
COL	eP	14 25 10
FGU	eP	14 21 48
HHM	iP	14 22 44
SJP	eP	14 18 14
	i	18 46
May 22		
COL	eP	14 36 48
	e	37 11
TUT	eP	14 36 04
May 22		
COL	e(P)	14 41 20
FGU	eP	14 44 15
May 22		
BCN	iP	17 44 44
BOZ	eP	17 45 22
	ePP	48 57
	eS	55 53
BUT	eP	17 45 16
	eS	55 45
COL	eP	17 45 19
	iS	55 48
	ePP	49 07
	eP'P'	18 11 05
EUR	iP	17 44 45
	ePP	47 18
	e	48 20
	ePKKP	18 02 04
	eP'P'	11 07
FGU	iP	17 45 14
	eS	55 42
	ePKKP	18 02 52
GUA	eP	17 41 36
	eS	49 00
HON	iP	17 40 56
	eS	47 48
	eL	49 56
HHM	iP	17 45 20
	ePP	49 16
	e	50 55
	eSKS	55 53
	eS	57 00
	ePS	58 05
	ePPS	58 53
	ePKKP	18 02 53
	eP'P'	11 01
KIP	iP	17 40 57

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Date and Station		Phase (GCT)
		h m s
RCD	iP	17 45 39
	ePP	49 20
SLC	eP	17 45 06
SJP	eP'	17 51 02
TUC	iP	17 44 47
	eL	18 07 03
TUT	iP	17 44 48
UKI	eP	17 44 30
WAS	eP'	17 51 32
	eS	18 01 19
	eP'P'	12 53
May 22		
HHM	eP	19 48 33
	eS	50 12
May 22		
COL	eP	20 43 33
May 22		
COL	iP	21 20 48
May 22		
BCN	eP	22 13 41
EUR	e(P)	22 14 49
FGU	e(P)	22 15 20
	e	15 30
	eL	18 43
HHM	e(P)	22 16 43
	e	18 14
TUC	e(P)	22 13 18
	i	13 31
	eL	14 18
May 22		
COL	e(P)	23 33 33
May 22		
BCN	eP	23 58 21
BOZ	eP	23 59 13
COL	iP	23 59 12
EUR	iP	23 58 42
FGU	eP	23 59 06
HHM	iP	23 59 12
TUC	eP	23 58 39
May 23		
COL	eP	01 06 25
EUR	iP	01 09 53
HHM	eP	01 09 22

Date and Station		Phase (GCT)
		h m s
SJP	e(P)	01 14 32
May 23		
FGU	eP	01 54 57
May 23		
GUA	iP	01 56 03
May 23		
BCN	eP	02 59 01
BOZ	eP	02 58 15
	ePP	03 02 13
BUT	eP	02 58 16
	e	03 05 35
COL	iP	02 57 16
	iS	03 07 10
	e	16 10
	eP'P'	23 56
	eSKPP'	27 34
CSC	eP	02 57 43C
	eS	03 08 00
EUR	iP	02 58 48
	e	03 02 02
	ePPP	05 32
	ePKKP	15 26
FGU	iP	02 58 30
	e	03 00 11
	ePP	02 23
	e	06 08
	eSKS	08 56
	ePKKP	15 21
	e	15 37
HHM	iP	02 58 09
	ipP	58 17
	iPP	03 02 15
	iPPP	04 13
	eSKS	09 34
	eS	09 56
	ePS	10 45
	ePKKP	15 47
	eP'P'	23 45
KIP	iP'	03 04 11
RCD	iP	02 58 05
	ePP	03 01 31
	e	03 04
SLC	eP	02 58 35
SJP	iP	02 57 39
	ipP	57 53
TUC	eP	02 59 07
	iPP	03 03 18
	eSKS	09 38
	iS	10 40
	e	13 22
	ePKKP	15 17
	i	15 40
	eP'P'	23 30
	eL	34 46

Date and Station		Phase (GCT)
		h m s
TUT	eP	02 59 07
	ePKKP	03 15 15
UKI	eP	02 59 06
	ePP	03 03 06
WAS	iP	02 57 13
	eS	03 06 59
	e	16 45
May 23		
CSC	eP	03 45 35
	e	45 51
	e	48 35
	eS	49 44
	e	50 08
EUR	eP	03 48 01
BUT	eP	03 48 17
COL	eP	03 51 28
FGU	eP	03 47 36
	i	48 01
	i	52 02
	eL	55 15
HHM	eP	03 48 39
RCD	eP	03 47 35
	e	48 18
	ePP	48 48
	eScS	57 54
SLC	eP	03 47 47
SJP	iP	03 44 45
	i	45 18
TUT	eP	03 46 56
WAS	iP	03 46 25
May 23		
CSC	eP	03 48 18
EUR	iP	03 50 45
SJP	iP	03 47 32
	i	47 55
WAS	i(P)	03 49 25
May 23		
SJP	eP	03 50 58
May 23		
EUR	e(P)	03 59 34
FGU	e(P)	04 00 39
HHM	e(P)	03 59 52
SJP	eP	03 56 40
May 23		
BCN	eP	04 47 42

Date and Station		Phase (GCT)
		h m s
EUR	e(P)	04 48 00
TUC	e(P)	04 46 16
	i	46 31
	iS	47 16
	eL	47 20
TUT	e(P)	04 46 20
	eS	47 15
May 23		
COL	iP	05 30 04
EUR	eP	05 32 31
HHM	iP	05 32 12
May 23		
COL	eP	05 50 10
May 23		
EUR	eP'	06 13 04
HHM	eP'	06 13 20
May 23		
BCN	eP	08 27 16
BOZ	eP	08 29 35
EUR	eP	08 28 06
FGU	e(P)	08 28 41
	e	32 01
TUC	eP	08 26 36
	i	26 49
	i	28 41
	iL	28 43
TUT	eP	08 26 37
May 23		
BCN	eP	11 08 25
EUR	e(P)	11 08 41
May 23		
FGU	eP	11 11 57
May 23		
COL	eP	11 39 30
EUR	eP	11 42 16
May 23		
COL	eP	12 08 06
HHM	eP	12 09 05
	e	12 04
	e	15 06
May 23		
BOZ	e(P)	12 19 27
BUT	eP	12 19 29
HHM	e(P)	12 18 37

Date and Station		Phase (GCT)
		h m s
RCD	e(P)	12 19 43
May 23		
FGU	e(P)	12 21 53
May 23		
THU	eP	12 46 03
May 23		
THU	iP	12 46 24
May 23		
HHM	eP	12 58 02
	eS	13 01 00
May 23		
BUT	eP	13 02 15
FGU	eP	13 03 03
HHM	e(P)	13 01 29
May 23		
BCN	eP	14 16 32
EUR	e(P)	14 17 25
FGU	eP	14 17 48
	e	21 15
TUT	e(P)	14 15 51
May 23		
COL	eP	15 07 52
May 23		
COL	iP	16 24 05
FGU	eP	16 26 55
HHM	iP	16 26 21
May 23		
BHP	iP	16 47 57
BCN	eP	16 51 34
BOZ	eP	16 52 14
	eS	58 03
BUT	iP	16 52 21
COL	iP	16 55 36
CSC	eP	16 49 50
	eS	53 54
	eScS	54 24
EUR	iP	16 52 00
	iScP	57 59
FGU	iP	16 51 37
	i	55 37
	iS	56 55
GCA	iP	16 50 24
HON	iP	16 55 49

Date and Station		Phase (GCT)
		h m s
HHM	iP	16 52 42
	iS	58 18
KIP	iP	16 55 48
RCD	iP	16 51 36
	e	52 48
	e	53 19
SLC	eP	16 51 46
	e	52 09
SJP	iP	16 49 38
	ipP	49 55
	iPcP	53 35
	iScP	57 09
THU	iP	16 55 25
	epP	55 48
	i(PP)	57 49
TUC	eP	16 50 50
	i	50 53
	epP	51 16
	esP	51 28
	ePP	51 54
	iPcP	53 58
	eS	55 28
	eL	56 42
TUT	iP	16 50 52
	ipP	51 18
	i	51 45
	e	54 22
	eS	55 30
UKI	eP	16 52 40
WAS	iP	16 50 41
	e	51 24
	iS	54 54
	eL	59 29
May 23		
COL	iP	17 08 19
May 23		
BCN	eP	17 15 42
COL	eP	17 21 52
	e	24 04
EUR	eP	17 16 33
FGU	e(P)	17 16 58
	e	20 26
HHM	e(P)	17 18 15
TUC	eP	17 15 01
	i	15 13
	iL	15 58
	i	16 04
TUT	eP	17 15 02
May 23		
FGU	eP	19 04 23
	e	06 51

Date and Station		Phase (GCT)
		h m s
May 23		
FGU	eP	20 15 34
May 23		
TUT	e(P)	20 34 30
May 23		
EUR	eP	22 36 42
May 24		
BCN	eP	00 34 50
EUR	eP	00 35 00
FGU	e(P)	00 35 28
	e	38 28
HHM	eP	00 37 16
TUC	eP	00 33 28
	i	33 42
	iL	34 19
	i	34 22
TUT	eP	00 33 30
May 24		
BCN	eP	01 12 50
GCA	e(P)	01 12 27
May 24		
BCN	eP	01 19 19
EUR	eP	01 19 34
	eS	22 50
FGU	eP	01 19 59
	e	23 20
HHM	e(P)	01 21 42
TUC	eP	01 18 01
	i	18 15
	iS	19 07
	iL	19 11
TUT	eP	01 18 03
May 24		
BCN	eP	02 33 12
EUR	eP	02 34 08
	eL	37 29
FGU	eP	02 34 39
	e	37 55
HHM	e(P)	02 36 14
TUC	eP	02 32 34
	i	32 45
	iL	33 42
	i	33 47
TUT	eP	02 32 37
May 24		
COL	e(P)	02 52 00

Date and Station		Phase (GCT)
		h m s
May 24		
EUR	eP	04 52 23
May 24		
BCN	eP	04 53 31
TUC	eP	04 50 50
	i	51 04
	i(S)	51 55
	i(L)	51 58
TUT	eP	04 50 52
May 24		
FGU	e(P)	04 56 10
	e	56 16
May 24		
EUR	e(P)	06 48 33
May 24		
FGU	e(P)	07 11 21
May 24		
EUR	eP	08 39 17
May 24		
FGU	eP	10 36 11
	eS	36 33
May 24		
COL	eP	11 10 41
EUR	eP	11 13 18
HHM	eP	11 13 12
May 24		
TUT	e(P)	11 24 01
	eS	24 52
May 24		
BCN	eP	13 02 26
COL	e(P)	13 05 31
	ePcP	08 47
EUR	eP	13 01 54
HHM	eP	13 02 40
TUC	eP	13 03 34
TUT	eP	13 03 35
May 24		
COL	e(P)	13 31 40
May 24		
BCN	eP	13 37 27
BOZ	eP	13 37 19
BUT	eP	13 37 04
COL	iP	13 39 52
	i	39 57
FGU	eP	13 37 32

Date and Station		Phase	(GCT) h m s
HHM	iP		13 37 00
RCD	eP		13 37 32
TUC	eP		13 38 33
TUT	eP		13 38 31
May 24			
TUT	eP		14 42 12
May 24			
TUC	e(P)		14 27 08
May 24			
COL	i(P)		15 58 40
	i		16 01 07
May 24			
EUR	e(P)		17 29 36
May 24			
BCN	eP		17 31 14
EUR	eP		17 33 07
FGU	e(P)		17 32 54
	e		33 28
TUC	e(P)		17 28 04
	iS		28 58
	iL		29 02
TUT	eP		17 27 50
	iS		29 07
May 24			
BCN	e(P)		19 02 18
EUR	eP		19 03 14
	eL		06 28
TUC	eP		19 01 42
	iL		02 40
	i		02 43
TUT	eP		19 01 43
	iL		03 07
May 24			
COL	iP		22 07 38
May 24			
BCN	eP		22 12 48
TUT	e(P)		22 10 21
	i(S)		11 29
May 24			
FGU	eP		22 15 39
May 24			
HHM	eP		23 53 25
May 25			
TUC	e(P)		00 13 40
	e		14 38
May 25			
EUR	e(P)		00 42 56
May 25			
COL	i(P)		00 47 13
May 25			
EUR	e(P)		01 38 49
May 25			
EUR	e(P)		04 20 42
May 25			
EUR	iP		04 56 15
FGU	iP		04 56 05
HHM	eP		04 56 46
SJP	i(P)		04 52 31
May 25			
COL	eP		05 03 41
EUR	eP		05 02 31
HHM	e(P)		05 01 44
May 25			
EUR	eP		05 23 50
May 25			
COL	eP		05 33 12
EUR	eP		05 32 42
May 25			
FGU	eP		05 55 08
May 25			
EUR	eP		06 22 55
May 25			
BCN	eP		07 08 16
EUR	eP		07 07 25
TUC	eP		07 06 02
	iS		07 00
	iL		07 05
May 25			
COL	iP		09 28 03
	ipP		28 49
	isP		29 11
FGU	iP		09 31 03
HHM	iP		09 30 26
May 25			
BCN	eP		10 25 03
EUR	eP		10 25 06
TUC	eP		10 23 33
	i		23 48
	iS		24 32
	iL		24 40
TUT	e(P)		10 23 36
	eS		24 43
May 25			
FGU	eP		10 28 35
May 25			
COL	e(P)		13 23 42
HHM	e(P)		13 24 50
TUC	e(P)		13 25 28
	e		26 30
May 25			
COL	iP		13 44 36
May 25			
EUR	e(P)		14 22 26
May 25			
COL	iP		14 36 00
May 25			
FGU	eP		15 57 38
	i		57 49
	iS		58 19
May 25			
FGU	eP		16 27 43
	iS		28 18
May 25			
COL	iP		17 46 47
	ipP		47 15
EUR	eP		17 46 10
HHM	eP		17 46 38
TUT	e(P)		17 46 13
May 25			
BUT	eP		18 29 01
EUR	eP		18 29 05
HHM	eP		18 29 45
	eS		31 10
SLC	eP		18 28 30
May 25			
COL	iP		18 53 38
EUR	iP		18 53 08
May 25			
COL	iP		19 15 01
EUR	iP		19 18 40
HHM	e(P)		19 17 16
May 25			
EUR	e(P)		19 55 08
FGU	eP		19 55 37
May 25			
BCN	eP		20 49 47
EUR	eP		20 50 06
	eS		53 16
FGU	eP		20 50 28
	e		51 35
	e		53 54
HHM	e(P)		20 52 13
TUC	eP		20 48 28
	iS		49 34
	iL		49 37
TUT	e(P)		20 48 28
May 25			
COL	iP		21 19 11
	e		20 34
EUR	iP		21 18 52
HHM	eP		21 19 21
May 25			
COL	i(P)		21 48 34
May 25			
SLC	eP		22 13 34
May 26			
THU	iP		01 55 25
May 26			
EUR	e(P)		02 33 20
TUC	eP		02 32 00
	i(S)		32 52
	iL		33 00
May 26			
EUR	iP		03 33 36
FGU	eP		03 33 41
HHM	eP		03 34 24
RCD	eP		03 34 01
TUC	eP		03 32 49
TUT	eP		03 32 50
May 26			
EUR	eP		03 36 21
May 26			
EUR	eP		04 16 59
May 26			
CSC	eP		04 47 30
EUR	iP		04 47 36
FGU	iP		04 47 42
HHM	iP		04 48 24

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Date and Station		Phase (GCT)
		h m s
RCD	iP	04 48 01
SJP	eP	04 46 49
TUC	eP	04 46 48
TUT	eP	04 46 49
May 26		
COL	iP	05 16 36
	ipP	17 13
	i	17 22
	i	18 11
CSC	eP	05 11 06
FGU	iP	05 12 26
	i	13 09
HHM	eP	05 14 17
RCD	e(P)	05 13 15
SJP	eP	05 11 41
TUC	e(P)	05 12 16
TUT	e(P)	05 11 38
May 26		
FGU	eP	05 44 24
May 26		
EUR	eP	05 47 53
May 26		
EUR	eP	05 52 49
May 26		
COL	eP	06 19 40
EUR	eP	06 19 46
May 26		
COL	iP	08 54 26
	ipP	56 42
EUR	eP	08 51 56
	epP	53 56
FGU	eP	08 51 38
	ipP	53 41
HHM	iP	08 52 25
	ipP	54 32
RCD	eP	08 53 35
SJP	iP	08 47 25
	ipP	49 03
TUT	eP	08 51 04
May 26		
EUR	e(P)	10 03 46
TUT	e(P)	10 05 49

Date and Station		Phase (GCT)
		h m s
May 26		
EUR	eP	10 33 35
May 26		
TUT	e(P)	10 41 37
May 26		
COL	i(P)	12 47 55
May 26		
EUR	e(P)	13 00 14
May 26		
HHM	iP	13 18 59
	iS	19 34
May 26		
BHP	i(P)	13 17 18
COL	iP	13 21 58
EUR	eP	13 21 29
FGU	e(P)	13 20 54
	e	22 14
May 26		
BCN	eP	14 27 10
TUC	eP	14 25 02
	iS	25 54
	iL	25 59
May 26		
FGU	e(P)	14 29 32
	i	30 36
May 26		
TUT	e(P)	14 39 50
	iS	41 04
May 26		
EUR	eP	16 39 55
May 26		
EUR	iP	18 25 35
May 26		
FGU	eP	19 35 21
May 26		
FGU	iP	21 19 17
May 26		
COL	eP	22 58 19
FGU	e(P)	23 00 56
	e	01 35
HHM	eP	23 00 59
May 27		
BCN	eP	00 27 45
EUR	eP	00 26 52
TUC	eP	00 25 24
	iS	26 18
	iL	26 24

Date and Station		Phase (GCT)
		h m s
TUT	iP	00 25 23
	iS	26 29
May 27		
FGU	e(P)	00 30 25
May 27		
EUR	iP	01 11 04
May 27		
EUR	eP	02 38 21
May 27		
FGU	e(P)	02 42 09
	e	42 33
	i	43 00
May 27		
COL	eP	03 01 22
EUR	eP	03 04 06
	i	04 50
FGU	eP	03 05 16
	ePcP	06 48
HHM	iP	03 04 19
May 27		
FGU	eP	04 47 29
May 27		
COL	iP	05 26 11
May 27		
EUR	eP	05 31 58
May 27		
THU	eP	07 13 12
May 27		
BCN	eP	07 29 47
BOZ	eP	07 29 22
BUT	eP	07 29 14
COL	iP	07 26 19
	i	27 01
	i	27 26
FGU	iP	07 29 46
HHM	iP	07 29 02
	ipP	29 20
RCD	iP	07 29 50
TUC	eP	07 30 14
	ipP	30 32
TUT	eP	07 30 14
May 27		
TUT	e(P)	09 28 36
May 27		
EUR	e(P)	09 54 53

Date and Station		Phase (GCT)
		h m s
May 27		
COL	iP	10 00 57
May 27		
COL	iP	10 31 37
	ipP	31 52
EUR	iP	10 34 41
FGU	eP	10 34 58
HHM	iP	10 34 15
May 27		
COL	e(P)	10 37 53
May 27		
COL	iP	10 49 27
	i	49 33
	e	49 48
May 27		
EUR	e(P)	11 23 48
May 27		
BCN	eP	15 21 51
	e(S)	23 40
EUR	e(P)	15 25 22
TUC	eP	15 21 17
	iS	22 10
	iL	22 16
TUT	e(P)	15 21 12
May 27		
EUR	eP'	17 11 28
	ePP	14 47
HHM	eP'	17 11 15
May 27		
EUR	eP'	17 45 38
FGU	eP'	17 45 43
	ePP	49 05
	i	49 22
HHM	eP'	17 45 28
May 27		
COL	iP	19 01 09
EUR	eP	19 01 44
May 27		
BCN	eP	20 46 16
May 27		
TUC	e(P)	20 58 35
	e	58 40
	iS	59 51
	iL	59 56
May 27		
FGU	e(P)	21 03 08
	e	04 10

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Date and Station		Phase (GCT) h m s
May 27		
COL	eP	22 50 21
EUR	eP'	22 56 37
SJP	eP'	22 58 06
May 28		
EUR	iP	01 16 48
FGU	eP	01 16 41
	i	16 48
TUT	eP	01 16 10
May 28		
COL	iP	02 42 54
	ipP	43 12
EUR	e(P)	02 43 49
SJP	eP'	02 50 07
May 28		
EUR	eP	03 04 52
May 28		
COL	eP'	04 18 03
CSC	eP'	04 19 44
EUR	eP'	04 19 03
	i	23 45
FGU	eP'	04 19 03
	ePP	22 26
HHM	iP'	04 18 54
TUC	e(P')	04 19 21
May 28		
COL	e(P)	05 48 54
EUR	eP	05 49 02
May 28		
EUR	e(P)	07 27 33
May 28		
EUR	e(P)	07 43 40
May 28		
BCN	eP	10 25 57
EUR	eP	10 26 48
FGU	e(P)	10 30 35
TUC	eP	10 25 21
	iS	26 38
	iL	26 43
TUT	e(P)	10 25 20
	iS	26 22
May 28		
EUR	e(P)	10 55 46

Date and Station		Phase (GCT) h m s
May 28		
COL	eP	10 59 54
May 28		
BCN	eP	12 49 45
EUR	iP	12 50 38
FGU	e(P)	12 51 21
May 28		
COL	eP	12 54 42
May 28		
BCN	eP	13 00 27
EUR	iP	13 01 13
FGU	e(P)	13 02 01
GCA	e(P)	13 00 44
	i	01 06
HHM	eP	13 03 24
SLC	e(P)	13 01 32
TUT	eP	13 00 57
	iL	02 14
May 28		
COL	eP	13 01 05
May 28		
BCN	eP	16 11 35
EUR	eP	16 12 29
FGU	e(P)	16 13 05
	e	16 21
HHM	e(P)	16 14 34
TUC	e(P)	16 10 55
	iL	12 10
	i	12 15
TUT	eP	16 10 57
May 28		
BCN	eP	17 16 10
BOZ	eP	17 18 28
EUR	eP	17 17 01
	eL	19 52
FGU	e(P)	17 17 26
	eL	20 19
HHM	eP	17 19 11
RCD	eP	17 18 29
SLC	eP	17 17 20
TUC	eP	17 15 30
	iL	17 04
	i	17 07

Date and Station		Phase (GCT) h m s
TUT	eP	17 15 31
May 28		
COL	eP	18 49 04
	e	49 54
	e	50 11
May 28		
COL	iP	19 41 22
	ipP	42 13
EUR	eP	19 40 54
May 28		
FGU	eP	19 46 24
May 28		
FGU	e(P)	20 04 13
May 28		
HHM	eP	20 24 41
May 28		
FGU	eP	22 37 08
May 28		
EUR	iP	22 41 51
FGU	eP	22 41 56
HHM	e(P)	22 43 09
TUC	eP	22 40 12
TUT	eP	22 40 13
	e	41 23
May 29		
COL	eP	00 03 31
EUR	iP	00 05 25
FGU	eP	00 05 44
GUA	iP	23 53 09
	iS	53 23
HHM	iP	00 05 19
May 29		
BCN	eP	00 30 25
BOZ	eP	00 29 58
BUT	eP	00 29 46
COL	iP	00 26 35
	i	26 50
	i	28 01
	e(L)	32 08
EUR	iP	00 30 00
FGU	eP	00 30 27
HHM	eP	00 29 29
	e	31 20

Date and Station		Phase (GCT) h m s
RCD	eP	00 30 43
SLC	eP	00 30 15
SJP	iP	00 35 11
TUC	eP	00 31 05
	ipP	31 17
TUT	eP	00 31 05
May 29		
BCN	eP	01 49 25
EUR	eP	01 49 45
May 29		
COL	iP	02 38 25
May 29		
EUR	eP	03 15 19
May 29		
COL	eP	05 10 48
EUR	eP	05 07 07
FGU	eP	05 06 46
May 29		
COL	eP	06 48 16
EUR	iP	06 48 51
May 29		
EUR	e(P)	06 53 22
May 29		
BCN	eP	07 25 00
EUR	iP	07 25 41
FGU	eP	07 25 46
HHM	e(P)	07 27 30
TUC	eP	07 24 03
TUT	eP	07 24 04
May 29		
COL	eP	07 33 54
EUR	iP	07 36 13
FGU	eP	07 36 32
May 29		
BCN	eP	07 39 53
BUT	eP	07 41 27
COL	eP'	07 47 00
CSC	eP	07 39 53
EUR	iP	07 41 02

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Date and Station		Phase (GCT)
		h m s
FGU	eP	07 40 56
HHM	eP	07 41 32
RCD	eP	07 41 06
SLC	eP	07 41 07
SJP	eP	07 38 07
TUC	eP	07 40 06
	eL	08 07 28
TUT	eP	07 40 20
	e	40 27
May 29		
BCN	eP	10 41 59
BOZ	eP	10 41 26
BUT	eP	10 41 40
COL	iP	10 39 13
EUR	iP	10 41 46
FGU	iP	10 42 05
	epP	42 18
HHM	iP	10 41 30
RCD	eP	10 42 15
May 29		
BCN	eP	11 06 05
TUT	e(P)	11 04 44
	iS	05 54
May 29		
COL	e(P)	11 09 31
	e	10 26
EUR	e(P')	11 11 02
May 29		
TUT	eP	12 03 49
	iS	05 24
May 29		
BCN	eP	14 27 37
May 29		
COL	e(P)	18 00 56
May 29		
COL	e(P)	19 40 04
May 29		
COL	e(P)	20 00 21
May 29		
EUR	eP	21 51 43
May 29		
COL	iP	22 47 18
FGU	eP	22 48 24

Date and Station		Phase (GCT)
		h m s
May 30		
EUR	eP	02 48 33
May 30		
EUR	eP	04 33 49
May 30		
FGU	e(P)	06 38 52
	e	42 26
May 30		
EUR	eP	09 33 30
May 30		
EUR	eP	10 55 33
HHM	eP	10 56 20
May 30		
EUR	eP	11 05 32
HHM	eP	11 06 22
May 30		
COL	iP	11 46 52
May 30		
BCN	eP	12 39 52
EUR	eP	12 40 14
FGU	eP	12 40 19
HHM	iP	12 41 02
RCD	eP	12 40 39
TUC	eP	12 39 27
TUT	eP	12 39 27
May 30		
EUR	e(P)	12 56 10
May 30		
COL	e(P)	13 29 45
May 30		
FGU	eP	14 20 31
May 30		
EUR	eP	19 56 32
HHM	e(P)	19 57 24
UKI	eP	19 55 12
May 30		
BCN	eP	21 50 38
EUR	eP	21 50 31
May 30		
EUR	eP	22 16 19
FGU	eP	22 16 04
	i	16 19
HHM	iP	22 16 48

Date and Station		Phase (GCT)
		h m s
SJP	i(P)	22 12 10
May 31		
BCN	eP	04 43 41
BOZ	eP	04 46 02
EUR	eP	04 44 32
FGU	eP	04 44 35
	e	45 37
	e	47 57
HHM	eP	04 46 39
TUC	eP	04 43 02
	iS	44 14
	iL	44 19
TUT	eP	04 43 04
May 31		
COL	eP	05 24 59
	ipP	25 25
EUR	eP	05 25 08
HHM	e(P)	05 25 22
May 31		
BCN	eP	06 38 21
EUR	eP	06 38 32
TUC	eP	06 36 59
	iS	38 03
	iL	38 07
TUT	eP	06 37 00
May 31		
BCN	eP	07 24 43
EUR	iP	07 25 32
HHM	e(P)	07 37 09
May 31		
CSC	eP	07 39 20
May 31		
BCN	eP	08 14 24
FGU	e(P)	08 17 22
TUT	eP	08 13 27
	iS	14 26
May 31		
BCN	eP	09 17 22
May 31		
EUR	eP	13 34 46
May 31		
BCN	eP	14 06 38
EUR	eP	14 07 32

Date and Station		Phase (GCT)
		h m s
TUT	eP	14 06 06
	eS	07 18
May 31		
BCN	eP	14 19 11
BOZ	eP	14 21 29
	e	24 18
	eL	27 18
BUT	eP	14 21 28
	eS	24 44
	eL	27 28
COL	iP	14 25 24
	i	25 57
CSC	eP	14 23 33
EUR	iP	14 20 02
	iL	22 54
GCA	eP	14 19 29
HON	iL	14 34 56
HHM	iP	14 21 58
	i(S)	25 41
KIP	e(P)	14 25 22
RCD	eP	14 21 34
	eS	24 31
	e	25 53
	e	28 05
	e	31 12
SLC	eP	14 20 22
	eL	23 25
SJP	e(P)	14 25 54
TUC	eP	14 18 33
	iS	19 08
	iL	19 15
TUT	eP	14 18 34
WAS	eP	14 24 08
	e(S)	29 48
	i	34 20
May 31		
TUT	eP	14 40 26
May 31		
COL	e(P)	14 43 37
HHM	eP	14 43 24
May 31		
COL	iP	14 46 01
BOZ	eP	14 49 26
HHM	iP	14 49 02
RCD	eP	14 50 00

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Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)
		h m s	May 31		h m s			h m s			h m s
THU	iP	14 48 25	FGU	e(P)	21 35 16						
May 31			May 31								
BCN	eP	15 38 28	SLC	eP	23 49 18						
BOZ	e(P)	15 40 06									
EUR	eP	15 38 39									
FGU	e(P)	15 39 03									
	e	39 16									
	e	42 08									
HHM	e(P)	15 40 24									
TUC	e(P)	15 37 07									
	iS	38 34									
	iL	38 41									
TUT	eP	15 37 10									
May 31											
BCN	eP	15 58 18									
FGU	e(P)	16 00 19									
TUC	e(P)	15 55 52									
	iS	56 41									
	iL	56 43									
TUT	eP	15 55 42									
	iS	56 51									
May 31											
EUR	eP	16 43 33									
FGU	eP	16 43 26									
May 31											
BCN	eP	19 29 21									
BOZ	eP	19 29 34									
COL	iP	19 28 16									
EUR	iP	19 29 18									
FGU	eP	19 29 39									
GUA	iP	19 20 29									
	i(PP)	20 42									
	iS	24 19									
HHM	iP	19 29 24									
KIP	eP	19 25 33									
May 31											
TUT	eP	20 06 52									
	iS	07 53									
May 31											
GUA	iP	21 02 37									
	iS	02 54									
EUR	eP	21 14 56									
HHM	eP	21 14 50									

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Date and Station	Phase (GCT)
	h m s
Local and Minor Earthquakes	
May	
BUT	
2	23.0
8	09.0
9	08.5
14	08.8
	23.5
15	03.4
22	00.2
26	13.3
31	14.7
	21.7
May	
COL	
2	1.0
3	7.4
4	14.5
8	7.0
9	16.5
13	17.1
15	3.5
	11.4
16	10.3
17	07.6
19	06.1
	11.4
	23.2
22	02.1
24	04.2
25	01.6
	20.5
26	02.6
	02.9
	06.5
	13.6
27	00.7
	15.3
30	07.7
31	08.2
	12.7
May	
EUR	
2	06.5
3	03.5
6	23.8
7	14.6
9	02.7
May	
FGU	
3	03.5
6	16.2
8	19.2
10	00.6
	04.5
11	17.3
18	07.8
25	16.6
	18.5
30	02.8

Date and Station	Phase (GCT)
	h m s
May	
GCA	
3	03.5
6	16.2
10	01.7
	04.4
11	17.2
18	07.9
May	
HON	
19	10.5
May	
KIP	
19	10.5
May	
SJP	
22	04.1
26	19.5
27	08.1
May	
TUC	
1	08.7
	12.9
2	03.4
5	06.0
	08.7
6	01.7
	16.2
7	12.4
	12.9
9	10.8
11	10.9
	11.1
14	04.2
	07.8
	17.1
16	04.7
22	11.3
23	02.2
	03.8
	04.2
	05.6
	05.8
	06.3
	09.3
	09.4
	11.1
	12.8
	14.3
	23.4
25	08.0
26	05.3
	06.9
	08.9
	10.1
	10.7
	11.8
	12.4
	23.6(2)
27	04.3
	09.5
	10.4
	20.4

Date and Station	Phase (GCT)
	h m s
May	
TUC (Con't.)	
27	22.9
28	00.5
	01.5
	03.3
	04.3
	05.9
	10.8
	22.8(2)
	23.4
29	00.8
	02.1
	02.3
	03.3
	03.7
	04.0
	04.5
	05.2
	05.6
	06.1
	06.8
	07.4
	09.9
	11.1
	12.1
	14.4
	17.4
	19.4
	21.6
30	00.6
	01.4
	01.9
	03.4
	10.0
	10.4
	11.6
	13.9
	21.8
	24.0
31	01.5
	02.4
	02.7(2)
	03.6
	04.4
	07.4
	07.5
	08.2
	08.5
	08.9
	09.2
	11.3
	12.3
	12.9
	13.1
	14.1
	17.9
	19.1
	20.1
	21.5
May	
TUT	
1	21.9
2	18.0
3	18.4

Date and Station	Phase (GCT)
	h m s
May	
TUT (Con't.)	
4	19.35
	21.9
6	01.6
	02.2
	19.9
7	20.85
9	21.9
17	17.7
20	11.2
	19.6
23	09.3
	11.1
	12.8
25	07.1
	08.05
26	02.5
	11.8
	19.5
27	04.3
	10.4
	11.5
	20.4
	21.0
	22.0
28	23.4
29	07.5
	05.6
	06.1
	18.2
	19.4
	21.8
30	01.9
	13.9
	21.8
31	04.4
	06.6
	09.2
	13.1
	21.5

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