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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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1962

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

Albuquerque, New Mexico (ALQ)
**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)
**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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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 earthquakes 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 in the Preliminary Determination of Epicenters 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	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
April	h m s	°	°	
1	00 45 14.6	33.6 N.	59.0 E.	Eastern Iran. Two killed, three injured. Minor damage at Tajkough and Mousavieh. h about 33 km.
1	01 39 19.7	40.6 N.	36.0 E.	Turkey. Felt. h about 25 km.
1	02 18 31.8	7.6 S.	130.9 E.	Tanimbar Islands region. h about 30 km.
1	05 01 56.0	41.9 N.	143.4 E.	Near south coast of Hokkaido, Japan. h about 55 km.
1	09 26 35.6	81.5 N.	119.5 E.	North Polar region. h about 25 km.
1	12 00 04.1	53.4 N.	164.5 W.	Fox Islands, Aleutian Islands. h about 36 km.
1	12 11 09.2	4.2 S.	143.6 E.	Near north coast of New Guinea. Felt. h about 80 km.
1	12 11 51.0	63.1 N.	152.3 W.	Central Alaska. h about 100 km.
1	15 37 02.5	17.9 S.	167.2 E.	New Hebrides Islands. Felt at Port Vila. h about 53 km.
2	00 14 50.4	18.6 N.	145.5 E.	Mariana Islands. h about 205 km.
2	18 33 52.4	6.1 S.	146.7 E.	Near north coast of New Guinea. h about 60 km.
3	01 21 34.8	9.6 S.	74.7 W.	Peru. h about 125 km.
3	15 40 12.1	4.5 S.	143.2 E.	Near north coast of New Guinea. Felt at Ambunti and Dreikikir. h about 80 km.
3	16 24 55.6	10.6 S.	164.9 E.	Santa Cruz Islands region. h about 36 km. Mag. 5½ (Pal).
3	18 37 47.5	20.8 S.	169.4 E.	Loyalty Islands. h about 40 km.
4	05 41 16.1	34.5 N.	24.9 E.	Crete. h about 56 km.
4	09 28 30.4	22.0 S.	178.2 W.	Fiji Islands region. h about 268 km.
4	14 02 32.2	8.0 N.	83.0 W.	Near south coasts of Panama and Costa Rica. h about 23 km.
4	15 16 07.9	7.7 N.	82.9 W.	Near south coasts of Panama and Costa Rica. h about 25 km.
4	19 55 12.8	35.0 N.	25.6 E.	Crete. h about 27 km.
4	20 51 05.2	34.7 N.	25.5 E.	Crete. h about 21 km.
4	20 59 36.1	34.6 N.	25.5 E.	Crete. h about 25 km.
5	03 40 08.9	53.7 N.	163.6 W.	Unimak Island region. h about 65 km.
5	12 24 34.5	44.9 S.	75.3 W.	Near coast of southern Chile. h about 25 km.
5	18 00 00.131			37°02'40" N., 116°01'25" W. Nevada Test Site. DORMOUSE II. Shot elevation 963.4 meters (AEC).
5	18 10 23.9	5.2 S.	102.1 E.	Off coast of Sumatra. h about 36 km.
5	19 45 58.4	16.2 S.	167.5 E.	New Hebrides Islands. Felt. h about 35 km.
5	20 04 15.0	15.2 S.	167.7 E.	New Hebrides Islands. Felt on Santo. h about 119 km.
5	21 27 54.1	38.3 N.	119.3 W.	Mono County, California. h about 33 km. Mag. 4¼-4½ (Brk).
6	04 26 08.6	17.7 S.	178.8 W.	Fiji Islands. h about 593 km.
6	06 50 52.6	4.2 S.	143.3 E.	New Guinea. h about 63 km.
6	14 13 03.4	24.0 S.	179.5 W.	Fiji Islands region. h about 538 km.
6	16 50 14.2	26.7 S.	113.2 W.	Easter Islands region. h about 33 km.
6	18 00 00.158			37°07'04" N., 116°02'38" W. Nevada Test Site. PASSAIC. Shot elevation 1036.0 meters (AEC).

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Date	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
April	h m s	°	°	
6	20 24 40.6	23.4 S.	179.7 W.	Fiji Islands region. h about 566 km.
7	02 10 02.2	6.3 S.	79.9 W.	Near coast of northern Peru. h about 25 km.
7	06 21 38.4	10.0 N.	144.4 E.	Mariana Islands region. h about 50 km. Mag. 6.
7	08 04 20.6	18.7 S.	168.7 E.	New Hebrides Islands. Felt at Port Vila. h about 23 km.
7	10 32 28.1	15.2 S.	177.6 W.	Fiji Islands region. h about 446 km.
7	13 00 26.3	35.1 S.	70.8 W.	Central Chile. h about 108 km.
7	19 44 44.9	10.3 S.	161.4 E.	Solomon Islands region. h about 75 km.
7	20 56 48.4	7.3 S.	130.4 E.	Tanimbar Islands region. h about 25 km.
7	21 35 30.4	40.8 N.	19.9 E.	Albania. h about 47 km.
7	22 14 46.5	36.6 N.	71.4 E.	Hindu Kush. h about 105 km.
7	23 04 12.2	15.0 N.	60.5 W.	Windward Islands. h about 77 km.
8	00 53 16.6	16.1 S.	167.3 E.	New Hebrides Islands. h about 67 km.
8	01 43 49.3	37.6 S.	73.9 W.	Near coast of central Chile. h about 54 km.
8	03 56 14.4	51.4 N.	177.8 W.	Andreanof Islands, Aleutian Islands. h about 25 km.
8	04 28 40.5	4.1 S.	141.5 E.	New Guinea. h about 115 km.
8	05 15 03.0	20.3 S.	175.7 W.	Tonga Islands. h about 70 km.
8	20 58 51.6	37.9 S.	73.2 W.	Near coast of central Chile. h about 43 km.
8	21 50 28.9	15.6 N.	99.6 W.	Off coast of Mexico. h about 48 km.
8	22 09 31.4	54.8 N.	165.0 W.	Unimak Island region. h about 25 km.
9	04 14 23.0	18.6 N.	145.5 E.	Mariana Islands. h about 200 km.
9	08 54 22.7	8.6 S.	124.1 E.	Sawoe Sea. h about 46 km.
9	10 23 49.9	8.7 N.	126.5 E.	Near coast of Mindanao, Philippine Islands. h about 100 km.
9	20 15 45.0	21.0 S.	177.3 W.	Fiji Islands region. h about 630 km.
9	22 33 29.2	12.8 N.	124.9 E.	Near coast of Samar, Philippine Islands. h about 44 km.
10	04 36 27.5	28.6 S.	68.8 W.	Chile-Argentina border. h about 130 km.
10	10 31 58.5	51.1 N.	157.7 E.	Near south coast of Kamchatka. h about 33 km.
10	12 34 50.8	37.3 S.	72.6 W.	Near coast of southern Chile. Felt in southern Chile. h about 67 km.
10	13 10 34.6	30.1 S.	177.7 W.	Kermadec Islands. h about 46 km.
10	14 09 18.8	37.5 S.	73.8 W.	Near coast of southern Chile. h about 25 km.
10	14 30 48.1	44.1 N.	73.4 W.	Western Vermont. Felt in 3 states. Slight damage at Montpelier. h about 33 km.
10	17 07 11.9	16.7 S.	175.5 W.	Fiji Islands region. h about 383 km.
10	20 32 19.4	49.1 N.	128.5 W.	Vancouver Island region. h about 25 km.
10	21 37 12.6	37.9 N.	20.1 E.	Ionian Sea. Felt on Ionian Island and in southwestern Greece. h about 35 km. Mag. 5-5¼ (Pal).
10	22 10 50.3	38.1 N.	20.4 E.	Ionian Sea. h about 25 km.
10	23 35 59.9	37.8 N.	20.7 E.	Ionian Sea. h about 25 km.

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Date	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
April	h m s	°	°	
10	23 54 12.0	37.4 N.	135.4 E.	Sea of Japan. h about 382 km.
11	01 35 46.6	37.8 N.	20.4 E.	Ionian Sea. h about 25 km.
11	09 19 22.0	26.9 N.	127.1 E.	Ryukyu Islands. h about 25 km.
11	09 33 36.4	36.5 N.	71.6 E.	Hindu Kush. h about 97 km.
11	10 47 34.0	38.2 N.	20.0 E.	Ionian Sea. Felt on Ionian Islands and in southwestern Greece. h about 43 km.
11	10 57 37.8	9.0 N.	126.9 E.	Near east coast of Mindanao, Philippine Islands. h about 31 km.
11	20 43 17.5	35.9 N.	71.1 E.	Hindu Kush. h about 158 km.
11	23 21 26.3	0.2 S.	91.5 W.	Galapagos Islands. h about 25 km. Mag. 7-7¼.
12	00 01 45.4	37.7 N.	20.0 E.	Ionian Sea. h about 25 km.
12	00 52 44.8	38.1 N.	142.3 E.	Near east coast of Honshu, Japan. Felt at Sendai and Tokyo. h about 48 km. Mag. 7-7¼.
12	05 16 05.0	38.2 N.	142.5 E.	Near east coast of Honshu, Japan. h about 26 km.
12	05 53 29.6	14.3 S.	166.8 E.	New Hebrides Islands. h about 104 km.
12	07 00 44.6	38.4 N.	142.1 E.	Near east coast of Honshu, Japan. h about 33 km.
12	11 20 02.3	10.4 S.	105.0 E.	South of Java. h about 84 km.
12	16 36 08.4	28.7 S.	71.9 W.	Near coast of northern Chile. h about 34 km.
12	18 00 00.158			37°07'38" N., 116°02'42" W. Nevada Test Site. HUDSON. Shot elevation 1144.7 meters (AEC).
13	02 19 07.9	1.0 N.	122.3 E.	Celebes. h about 37 km.
13	15 38 51.0	38.3 N.	119.3 W.	Mono County, California. Felt in eastern California and western Nevada. h about 33 km. Mag. 4.9.
13	18 35 58.3	49.1 N.	87.2 E.	Sinkiang Province, China. h about 28 km.
13	20 21 06.3	38.4 N.	119.3 W.	Mono County, California. h about 33 km. Mag. 4¼-4½ (Brk).
13	22 54 33.9	37.8 N.	142.8 E.	Near east coast of Honshu, Japan. h about 35 km.
14	01 14 13.7	59.6 N.	152.1 W.	Kenai Peninsula. h about 78 km.
14	07 53 15.7	40.3 N.	125.1 W.	Off coast of northern California. h about 18 km.
14	16 50 05.8	38.2 N.	142.5 E.	Near east coast of Honshu, Japan. h about 53 km.
14	18 00 00.125			37°13'19" N., 116°09'27" W. Nevada Test Site. PLATTE. Shot elevation 1531.1 meters (AEC).
14	18 42 56.9	37.7 N.	142.8 E.	Near east coast of Honshu, Japan. h about 44 km.
15	07 32 11.4	36.3 N.	140.8 E.	Honshu, Japan. Felt at Tokyo. h about 69 km.
15	08 41 01.2	36.5 N.	120.7 W.	San Benito County, California. Felt at Idria, Panoche and Tranquillity. h about 25 km. Mag. 4¼-4½ (Brk).
15	11 35 21.1	13.7 N.	120.6 E.	Luzon, Philippine Islands. h about 40 km.
15	18 08 27.3	2.7 S.	11.6 W.	Ascension Island region. h about 25 km.
15	18 45 17.4	2.9 S.	11.9 W.	Ascension Island region. h about 25 km.
15	20 28 48.9	6.8 S.	149.5 E.	New Britain. h about 36 km.
15	22 31 06.2	56.6 S.	26.2 W.	Sandwich Islands. h about 25 km.
16	00 15 15.7	38.2 N.	20.4 E.	Ionian Sea. Felt on Zante and Cephalonie. h about 25 km.

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Date	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
April	h m s	°	°	
16	07 18 54.1	35.8 N.	26.5 E.	Dodecanese Islands. h about 33 km.
16	11 35 08.8	10.5 S.	161.6 E.	Solomon Islands. h about 53 km.
16	13 20 15.1	30.6 N.	140.6 E.	South of Honshu, Japan. h about 176 km.
16	17 54 49.2	44.8 S.	37.2 E.	Prince Edward Islands. h about 25 km.
17	06 48 44.7	31.3 N.	142.6 E.	South of Honshu, Japan. h about 23 km.
17	07 51 09.4	54.8 N.	160.7 E.	Near east coast of Kamchatka. h about 25 km.
17	10 03 46.9	42.3 N.	17.3 E.	Adriatic Sea. h about 25 km.
17	11 15 17.1	37.5 N.	19.5 E.	Ionian Sea. h about 25 km.
17	11 33 51.0	37.8 N.	19.9 E.	Ionian Sea. h about 25 km.
17	11 51 17.3	25.7 N.	95.1 E.	East Pakistan. h about 165 km.
17	14 54 35.3	38.2 N.	20.6 E.	Ionian Sea. h about 25 km.
17	15 15 10.2	7.0 S.	129.1 E.	Banda Sea. h about 140 km.
17	17 43 03.4	42.6 S.	174.0 E.	South Island, New Zealand. h about 25 km.
17	18 49 24.6	36.5 N.	143.5 E.	Off east coast of Honshu, Japan. h about 25 km.
17	20 54 08.3	38.1 N.	142.5 E.	Near east coast of Honshu, Japan. h about 43 km.
17	22 34 56.7	1.5 S.	14.9 W.	Mid-Atlantic Ocean. h about 25 km.
18	04 04 18.0	18.8 S.	175.4 W.	Tonga Islands. h about 166 km.
18	10 44 41.3	38.1 N.	20.5 E.	Ionian Sea. Felt on Cephalonie. h about 25 km.
18	16 36 01.3	31.8 N.	141.6 E.	South of Honshu, Japan. h about 65 km.
18	19 14 35.6	9.9 S.	78.9 W.	Near coast of Peru. 9 killed, moderate damage in Casma area. h about 23 km.
18	21 08 18.5	13.3 S.	167.3 E.	New Hebrides Islands. h about 33 km.
19	02 05 59.4	38.5 N.	20.5 E.	Ionian Sea. h about 25 km.
19	02 18 55.9	9.8 S.	78.9 W.	Near coast of Peru. Minor damage in Casma area. h about 23 km.
19	08 09 27.1	38.2 N.	142.7 E.	Near east coast of Honshu, Japan. h about 25 km.
19	11 55 27.3	38.6 N.	44.0 E.	Eastern Turkey. h about 25 km.
19	20 18 20.5	9.4 S.	79.0 W.	Near coast of Peru. h about 25 km.
19	22 15 20.9	15.8 S.	168.0 E.	New Hebrides Islands. Felt on Santo. h about 213 km.
19	23 16 07.0	69.8 N.	138.8 E.	Siberia, U.S.S.R. h about 17 km.
20	05 47 55.3	20.6 N.	72.2 W.	Near north coast of Haiti. Two injured. Minor damage at Port Au Prince. Felt at San Juan, Puerto Rico. h about 25 km. Mag. $6\frac{1}{2}$-$6\frac{3}{4}$.
20	14 25 18.8	17.9 S.	169.9 E.	New Hebrides Islands. h about 87 km.
21	03 33 53.8	6.1 S.	146.1 E.	New Guinea. h about 86 km.
21	07 46 18.5	23.7 S.	180.0	Fiji Islands region. h about 559 km.
21	14 21 44.9	4.3 S.	151.5 E.	New Ireland. h about 294 km.
21	18 40 00.162			37°07'08" N., 116°01'52" W. Nevada Test Site. DEAD. Shot elevation 1222.3 meters (AEC).
21	21 18 01.7	6.5 S.	144.6 E.	New Guinea. h about 42 km.

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Date	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
April	h m s	°	°	
22	02 10 11.3	18.7 S.	169.4 E.	New Hebrides Islands region. h about 259 km.
22	04 29 37.8	44.2 S.	72.6 W.	Chile-Argentina border region. h about 105 km.
22	04 45 20.3	15.5 N.	93.1 W.	Near coast of Chiapas, Mexico. h about 69 km. Mag. 5¼-5½.
22	16 03 09.5	21.1 S.	178.7 W.	Fiji Islands. h about 578 km.
22	16 38 23.4	5.3 S.	153.7 E.	New Britain. h about 61 km.
22	19 15 34.1	32.7 N.	130.6 E.	Kyushu, Japan. h about 181 km.
23	03 54 41.1	36.6 N.	139.5 E.	Honshu, Japan. Felt at Tokyo. h about 80 km.
23	05 58 04.9	42.9 N.	143.4 E.	Hokkaido, Japan. Felt on Hokkaido, h about 25 km. Mag. 7-7¼.
23	09 51 17.6	51.6 N.	159.6 E.	Near southeast coast of Kamchatka. h about 19 km.
23	14 51 26.0	6.9 S.	128.4 E.	Banda Sea. h about 83 km.
23	16 04 31.8	51.6 N.	159.6 E.	Near southeast coast of Kamchatka. h about 31 km.
23	21 06 04.2	5.9 S.	148.4 E.	Bismark Sea. h about 51 km.
24	14 19 53.8	37.4 N.	71.1 E.	Hindu Kush. h about 32 km.
24	16 06 23.7	2.2 S.	76.1 W.	Ecuador-Peru border. h about 175 km.
24	18 09 30.0	5.8 S.	154.6 E.	Solomon Islands. h about 92 km.
25	03 28 56.1	54.0 N.	160.3 E.	Kamchatka. h about 29 km.
25	04 44 55.2	45.4 N.	5.8 E.	Southeastern France. Felt in southeastern France. Minor damage at Grenoble. h about 33 km.
25	05 55 20.4	20.9 S.	175.1 W.	Tonga Islands. h about 103 km.
25	06 22 28.0	38.1 N.	20.6 E.	Ionian Sea. h about 25 km.
25	08 48 58.2	38.5 N.	118.1 W.	Mineral County, Nevada. Felt. h about 25 km. Mag. 4.2.
25	15 47 29.4	38.4 N.	142.5 E.	Honshu, Japan. h about 56 km.
25	19 49 49.3	37.8 N.	143.3 E.	Honshu, Japan. h about 46 km.
26	02 44 10.8	5.8 S.	147.3 E.	Bismark Sea. h about 68 km.
26	03 11 33.8	44.4 N.	78.4 E.	Kazakh S.S.R. h about 25 km.
26	07 26 31.3	17.3 S.	179.1 W.	Fiji Islands. h about 657 km.
26	15 10 55.5	51.7 N.	159.3 E.	Near southeast coast of Kamchatka. h about 25 km.
26	15 53 12.2	28.5 N.	57.2 E.	Southern Iran. h about 41 km.
27	06 30 24.9	23.1 S.	179.2 E.	Fiji Islands region. h about 576 km.
27	06 47 27.0	44.4 S.	74.8 W.	Near coast of southern Chile. h about 31 km.
27	16 28 18.7	33.2 S.	179.3 W.	Kermadec Islands region. h about 25 km.
27	18 00 00.158			37°07'06" N., 116°02'16" W. Nevada Test Site. BLACK. Shot elevation 1068.0 meters (AEC).
27	17 19 14.0	40.8 N.	139.5 E.	Near northwest coast of Honshu, Japan. h about 25 km.
28	07 37 27.8	2.6 S.	139.3 E.	New Guinea. h about 124 km.
28	09 01 10.4	44.0 N.	146.1 E.	Hokkaido, Japan. h about 127 km.
28	11 18 57.4	36.4 N.	26.6 E.	Dodecanese Islands. h about 40 km.
28	12 43 49.1	36.3 N.	26.7 E.	Dodecanese Islands. h about 48 km.
29	07 05 26.3	18.1 S.	173.9 W.	Tonga Islands. h about 79 km.

Date	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
April	h m s	°	°	
29	15 10 24.9	12.4 S.	166.5 E.	Santa Cruz Islands. h about 72 km.
30	02 26 30.0	38.8 N.	140.9 E.	Honshu, Japan. One killed, many injured. Moderate property damage in Sendai area. h about 104 km. Mag. 6½-6¾.
30	07 48 46.2	6.9 N.	73.0 W.	Colombia. h about 130 km.
30	09 44 17.4	17.0 N.	147.3 E.	Mariana Islands. h about 109 km.
30	10 40 16.4	20.1 S.	169.0 E.	Loyalty Islands. h about 49 km.
30	16 16 51.2	18.1 S.	176.1 W.	Tonga Islands region. h about 33 km. Mag. 6½.
30	18 31 05.9	18.1 S.	176.2 W.	Fiji Islands region. h about 92 km.
30	20 39 45.1	6.4 N.	124.0 E.	Banda Sea. h about 28 km.
30	22 41 40.7	39.0 N.	140.4 E.	Honshu, Japan. h about 124 km.
30	23 50 33.5	72.0 N.	7.2 E.	Svalbard region. h about 25 km.

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Date and Station		Phase (GCT)
April 1		h m s
COL	iP	00 57 20
	e	57 43
EUR	e(P)	00 59 38
April 1		
COL	iP	01 21 22
April 1		
COL	iP	01 51 02
April 1		
EUR	e(P)	02 03 27
April 1		
COL	iP	04 49 40
EUR	eP	04 53 06
	i	53 19
April 1		
BCN	eP	05 [illegible] 33
COL	iP	05 10 03
	i(PP)	10 18
	i	10 43
EUR	iP	05 13 16
	ipP	13 24
FGU	e(P)	05 12 25
	e	13 05
HHM	iP	05 12 48
April 1		
EUR	eP	06 14 04
April 1		
COL	iP	08 29 55
	e	33 19
EUR	iP	08 29 41
April 1		
BCN	eP	09 10 13
April 1		
BOZ	e(P)	09 35 33
COL	iP	09 32 17
	i	32 48
	iPP	33 00
EUR	iP	09 36 15
	i	36 23
FGU	e(P)	09 35 42
	e	36 07
HHM	eP	09 35 09
	i	35 19
April 1		
BCN	eP	12 07 29
COL	iP	12 03 25
	i	03 36
EUR	iP	12 07 03
	i	07 14
	i(PP)	08 43

Date and Station		Phase (GCT)
		h m s
THU	eP	12 07 44
April 1		
COL	iP	12 12 34
EUR	iP	12 18 11
FGU	iP	12 18 22
April 1		
BCN	eP'	12 29 09
COL	iP	12 23 35
EUR	eP	12 24 50
	eP'	29 17
	ePKKP	41 05
GUA	iP	12 15 13
	e	17 05
HHM	e(P)	12 24 09
SJP	eP'	12 30 44
April 1		
EUR	e(P)	14 45 39
April 1		
BCN	eP	15 50 07
COL	iP	15 49 56
	ipP	49 06
EUR	iP	15 50 08
April 1		
COL	eP	17 37 30
EUR	eP	17 34 20
	e	34 32
April 1		
ALQ	eP	19 29 00
April 1		
ALQ	eP	20 10 24
	i	10 32
	eS	11 12
April 1		
COL	eP	20 39 49
April 1		
COL	eP	21 22 57
EUR	eP	21 23 34
April 1		
COL	iP	22 16 21
EUR	eP	22 17 51
April 1		
COL	iP	23 18 58
April 1		
GUA	iP	23 40 45
	e	41 02
	e	41 08

Date and Station		Phase (GCT)
April 2		h m s
ALQ	eP	00 27 44
	epP	28 27
	iPP	31 30
BCN	eP	00 27 13
BOZ	eP	00 27 10
	epP	27 56
	ePP	30 29
BUT	iP	00 27 03
COL	iP	00 24 59
	eS	33 41
EUR	iP	00 27 03
	ipP	27 48
	ePP	30 23
	e(S)	37 04
FGU	eP	00 27 23
	epP	28 07
GUA	iP	00 16 06
	iS	16 50
HHM	eP	00 26 54
	epP	27 43
HON	iP	00 23 48
KIP	iP	00 23 48
	epP	24 27
SLC	eP	00 27 16
	epP	28 03
THU	eP	00 11 56
	epP	12 39
TUC	iP	00 27 36
	ipP	28 24
TUT	eP	00 27 35
	epP	28 25
April 2		
BCN	eP	03 06 29
EUR	iP	03 06 53
	iS	08 08
April 2		
HHM	e(P)	16 31 43
	iS	32 45
April 2		
COL	e(P)	17 44 16
April 2		
COL	iP	18 46 25
EUR	e(P)	18 47 32
SJP	e(P')	18 53 42
	iPP	56 47
April 2		
ALQ	iP	19 39 36
	eS	40 16

Date and Station		Phase (GCT)
April 3		h m s
ALQ	iP	01 30 45
COL	iP	01 34 29
	epP	35 00
	e(PP)	37 12
EUR	iP	01 31 45
SJP	i(P)	01 27 27
	i	28 09
TUC	eP	01 30 49
TUT	iP	01 30 50
EUR	eP	05 40 31
April 3		
EUR	eP	05 52 31
April 3		
EUR	eP	06 26 28
April 3		
COL	iP	11 35 11
April 3		
CSC	eP	14 08 07
	eS	12 56
April 3		
COL	e(P)	15 52 41
April 3		
ALQ	eP	16 38 17
	e(pP)	38 35
BCN	eP	16 37 49
BOZ	e(P)	16 38 12
COL	iP	16 37 21
EUR	iP	16 37 47
	i(pP)	38 04
FGU	eP	16 38 12
HHM	eP	16 38 04
KIP	eP	16 33 50
SLC	eP	16 38 04
SJP	eP'	16 44 06
THU	eP'	16 43 42
TUC	e(P)	16 38 01
TUT	e(P)	16 38 14
April 3		
ALQ	eP	19 31 23
	eS	32 03

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Date and Station		Phase (GCT)
		h m s
April 3		
ALQ	e(P)	21 54 40
April 3		
ALQ	eP	22 46 50
April 4		
COL	e(P)	02 56 01
EUR	iP	02 58 01
	i	58 21
GUA	eP	02 46 37
	e	47 25
	e	48 25
April 4		
COL	e(P)	03 41 50
April 4		
EUR	e(P)	03 57 04
April 4		
COL	iP	03 59 54
EUR	eP	04 03 25
April 4		
COL	eP	04 40 35
April 4		
COL	e(P)	05 53 25
	e	59 35
April 4		
GUA	iP	06 04 54
April 4		
COL	iP	09 40 58
EUR	eP	09 40 35
April 4		
COL	iP	09 45 09
April 4		
ALQ	eP	09 57 14
EUR	eP	09 58 54
April 4		
ALQ	eP	10 50 04
EUR	eP	10 50 08
HHM	iP	10 49 51
April 4		
COL	iP	11 02 54
April 4		
EUR	eP	11 50 02
April 4		
CSC	eP	12 36 34
April 4		
ALQ	eP	14 09 21
BCN	iP	14 10 13
BOZ	e(P)	14 10 48
COL	iP	14 13 59
	i	14 09
EUR	eP	14 10 35
FGU	eP	14 10 11
HHM	iP	14 11 08
SLC	eP	14 10 22
SJP	iP	14 07 02
	eS	10 52
THU	iP	14 13 39
	e	13 47
	ePcP	14 03
TUC	eP	14 09 32
TUT	eP	14 09 32
WAS	e(P)	14 08 28
	ePP	09 16
	eS	14 24
April 4		
COL	eP	15 27 32
	ePP	29 51
EUR	eP	15 24 09
SJP	e(P)	15 20 40
THU	eP	15 26 11
April 4		
COL	eP	20 07 23
	i	07 35
HHM	e(P)	20 08 08
THU	e(P)	20 05 07
April 4		
COL	iP	21 03 19
EUR	e(P)	21 05 06
HHM	e(P)	21 04 04
THU	eP	21 00 02
April 4		
COL	iP	21 11 50
EUR	e(P)	21 13 12
HHM	iP	21 12 34
SJP	e(P)	21 11 50
THU	eP	21 09 36
April 4		
ALQ	eP	22 35 37
	e	36 13
April 4		
BOZ	e(P)	23 06 04
April 4		
ALQ	eP	23 44 57
April 4		
ALQ	e(P)	02 02 28
	e(S)	03 04
April 5		
ALQ	eP	03 48 12
	ePcP	39 59
BCN	eP	03 47 26
COL	iP	03 43 23
	eL	46 39
EUR	iP	03 47 01
	i	47 15
	iS	53 16
HHM	iP	03 46 27
SJP	e(P)	03 52 23
THU	eP	03 47 42
TUC	iP	03 48 07
TUT	iP	03 48 08
April 5		
COL	eP	04 46 44
EUR	eP	04 50 20
April 5		
COL	eP	05 46 21
HHM	e(P)	05 41 19
	e	42 14
April 5		
ALQ	e(P)	06 12 42
	e	12 55
	i(S)	13 39
BCN	e(P)	06 14 03
EUR	e(P)	06 13 30
	eL	15 15
FGU	eP	06 12 41
	i	12 45
	e(S)	13 20
SLC	eP	06 13 07
April 5		
ALQ	eP	06 41 49
EUR	eP	06 42 20
TUC	eP	06 41 09
April 5		
ALQ	e(P)	07 05 10
April 5		
FGU	eP	07 09 41
	eS	10 17
April 5		
COL	eP	07 26 30
EUR	iP	07 29 41
April 5		
THU	eP	09 18 31
April 5		
HHM	e(P)	10 31 18
April 5		
ALQ	eP	11 55 24
	e	56 07
April 5		
BUT	iP	12 09 17
COL	eP	12 07 17
FGU	e(P)	12 09 54
	e	10 55
HHM	e(P)	12 09 23
	i	10 03
	i	10 54
April 5		
ALQ	iP	12 37 05
BCN	eP	12 37 24
COL	eP	12 43 28
EUR	iP	12 37 41
FGU	e(P)	12 37 35
SJP	eP	12 35 03
April 5		
COL	eP	17 56 11
April 5		
ALQ	eP	18 02 00
	i	02 18
	i	02 29
	iS	04 12
BCN	iP	18 00 27
COL	iP	18 06 44
EUR	iP	18 00 41
FGU	eP	18 01 30
	i(S)	02 05
HHM	e(P)	18 02 49
SLC	eP	18 01 19
April 5		
ALQ	eP	18 10 45
	i	11 06

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Date and Station		Phase (GCT)
		h m s
EUR	e(P)	18 09 17
SLC	eP	18 09 55
April 5		
BCN	eP	19 06 0.
EUR	eP	19 06 30
GCA	e(P)	19 05 54
April 5		
COL	eP	19 37 35
April 5		
ALQ	iP	19 59 12
COL	iP	19 58 44
EUR	e(P)	19 59 06
April 5		
COL	e(P)	20 16 45
April 5		
COL	e(P)	20 40 17
April 5		
ALQ	eP	21 07 00
April 5		
BCN	eP	21 29 11
EUR	iP	21 28 38
	iL	29 18
UKI	eP	21 28 56
April 5		
ALQ	eP	21 54 03
	iS	54 39
April 5		
COL	eP	22 31 19
EUR	iP	22 26 36
HHM	e(P)	22 27 59
April 5		
COL	e(P)	22 56 57
April 5		
FGU	iP	23 46 34
April 6		
COL	eP	01 58 55
April 6		
THU	eP	02 37 24
April 6		
COL	iP	04 37 49
EUR	eP	04 37 31
April 6		
COL	eP	07 03 22
SJP	eP'	07 10 32
	i	10 56

Date and Station		Phase (GCT)
April 6		h m s
COL	eP	07 30 44
April 6		
COL	e(P)	07 42 55
April 6		
HHM	eP	07 54 45
	eS	55 35
April 6		
COL	e(P)	08 15 20
April 6		
COL	eP	08 45 52
April 6		
COL	e(P)	10 09 40
April 6		
COL	eP	10 15 50
April 6		
COL	iP	12 52 24
EUR	eP	12 53 07
April 6		
EUR	eP	13 23 41
April 6		
COL	e(P)	14 00 14
April 6		
GCA	eP	14 09 52
	i	09 58
April 6		
COL	e(P)	14 33 50
April 6		
EUR	eP	14 41 26
April 6		
COL	e(P)	14 58 25
April 6		
FGU	eP	15 26 59
	e(S)	27 35
April 6		
COL	e(P)	15 50 09
April 6		
COL	e(P)	16 19 01
April 6		
COL	eP	16 37 56
April 6		
ALQ	eP	17 00 33
BCN	iP	17 00 41
BOZ	eP	17 01 40
BUT	iP	17 01 42
COL	iP	17 03 37
EUR	eP	17 01 02

Date and Station		Phase (GCT)
		h m s
FGU	eP	16 59 10
GCA	eP	17 00 45
HHM	iP	17 01 56
SLC	eP	17 01 09
TUC	iP	17 01 04
UKI	eP	17 01 04
April 6		
ALQ	eP	18 02 00
	i	02 29
	iS	04 26
BCN	iP	18 00 29
COL	eP	18 06 44
EUR	iP	18 00 40
FGU	eP	18 01 40
	i	01 42
	iS	02 01
	i	03 21
GCA	eP	18 00 58
	i	01 05
HHM	e(P)	18 02 47
	e	06 10
SLC	e(P)	18 01 17
April 6		
ALQ	e(P)	18 29 11
	e	29 30
BCN	eP	18 27 28
EUR	iP	18 27 39
FGU	e(P)	18 28 36
GCA	eP	18 27 59
	i	29 16
SLC	e(P)	18 28 15
April 6		
COL	eP	18 56 35
	e	59 37
EUR	iP	18 54 00
April 6		
COL	iP	19 38 39
EUR	e(P)	19 38 13
April 6		
EUR	eP	20 36 28
April 6		
ALQ	eP	21 25 39
	eS	26 18

Date and Station		Phase (GCT)
April 6		h m s
ALQ	eP	22 42 10
April 7		
FGU	e(P)	00 44 14
April 7		
COL	eP	01 05 59
April 7		
ALQ	iP	02 18 42
	i	19 12
COL	e(P)	02 22 42
EUR	eP	02 19 45
April 7		
COL	eP	04 43 04
April 7		
BOZ	eP	06 07 19
BUT	eP	06 07 30
April 7		
ALQ	eP	06 22 37
	i	35 20
COL	eP	06 27 46
	e	28 24
EUR	e(P)	06 23 54
FGU	e(P)	06 23 31
April 7		
BCN	eP	06 34 48
BOZ	eP	06 34 44
COL	iP	06 32 56
	ipP	33 11
	i	33 35
EUR	iP	06 34 39
FGU	eP	06 35 00
GUA	iP	06 22 30
HHM	iP	06 34 36
	i(pP)	34 46
SLC	eP	06 34 57
THU	eP	06 34 44
April 7		
UKI	eP	07 20 24
April 7		
COL	e(P)	08 17 16
EUR	eP	08 17 25
April 7		
SJP	eP	08 50 09

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Date and Station		Phase (GCT) h m s
April 7		
COL	eP	09 00 51
April 7		
COL	eP	10 26 03
	i	26 06
April 7		
COL	iP	10 44 09
EUR	eP	10 43 50
April 7		
ALQ	e(P)	12 32 10
	iS	32 54
BCN	eP	12 34 16
April 7		
EUR	iP	13 12 52
FGU	e(P)	13 12 44
April 7		
BCN	eP	14 53 54
COL	iP	14 53 40
April 7		
BCN	eP	15 21 22
April 7		
EUR	iP	18 48 20
April 7		
COL	iP	19 57 08
	ipP	57 27
April 7		
FGU	e(P)	21 28 06
	e	28 30
April 7		
COL	eP	21 47 05
April 7		
COL	iP	22 26 15
	ipP	26 40
THU	eP	22 25 12
April 7		
ALQ	iP	23 12 27
BCN	eP	23 13 21
COL	iP	23 15 49
	ipP	16 08
CSC	eP	23 09 47
EUR	iP	23 13 32
FGU	eP	23 12 56
HHM	iP	23 13 37
SLC	eP	23 13 12
SJP	iP	23 05 44
	iS	06 56

Date and Station		Phase (GCT) h m s
THU	eP	23 14 23
	epP	14 38
TUC	iP	23 12 52
	e(pP)	13 18
TUT	iP	23 12 51
April 7		
FGU	eP	23 42 13
	e(S)	42 45
April 8		
BCN	eP	01 08 33
COL	eP	01 05 59
EUR	eP	01 07 59
April 8		
COL	eP	01 26 46
EUR	eP	01 26 40
April 8		
EUR	eP	01 56 28
April 8		
FGU	eP	02 21 01
	e(S)	21 22
April 8		
COL	iP	03 18 25
April 8		
COL	iP	04 00 54
EUR	iP	04 04 20
HHM	eP	04 03 50
April 8		
COL	eP	04 41 07
	i	44 50
April 8		
COL	eP	04 50 14
April 8		
ALQ	iP	05 27 35
COL	eP	05 27 37
	e	28 24
EUR	eP	05 27 14
TUC	e(P)	05 27 09
TUT	i(P)	05 27 10
April 8		
COL	eP	06 33 29
April 8		
THU	e(P)	08 56 43
April 8		
COL	eP	09 40 36
April 8		
COL	eP	09 53 03

Date and Station		Phase (GCT) h m s
April 8		
COL	eP	10 12 50
April 8		
COL	eP	10 21 01
April 8		
BCN	e(P)	11 44 18
April 8		
COL	iP	13 39 29
GUA	eP	13 33 54
April 8		
COL	eP	14 58 13
	e	15 00 21
	e	01 32
EUR	eP	15 01 49
April 8		
COL	iP	18 28 25
EUR	e(P)	18 31 52
April 8		
BCN	e(P)	20 30 36
April 8		
EUR	eP	21 11 33
April 8		
ALQ	iP	21 55 06
	e(S)	59 00
BCN	eP	21 55 46
BUT	eP	21 57 02
	eL	22 06 24
BOZ	e(P)	21 56 55
COL	eP	22 00 26
	i	00 31
	eL	10 02
EUR	iP	21 56 18
FGU	eP	21 56 07
GCA	e(P)	21 56 03
HHM	eP	21 57 23
	eL	22 09 26
RCD	eP	21 56 30
THU	eP	22 00 52
TUC	eP	21 54 57
TUT	iP	21 54 57
April 8		
COL	eP	22 12 40
EUR	eP	22 16 31
THU	eP	22 16 57

Date and Station		Phase (GCT) h m s
April 8		
BOZ	eP	23 13 19
April 9		
ALQ	eP	02 28 47
	e	28 55
EUR	iP	02 29 23
FGU	e(P)	02 29 23
April 9		
ALQ	iP	04 27 17
	epP	28 05
BCN	eP	04 26 46
BUT	eP	04 26 37
	ipP	27 29
COL	iP	04 24 33
	ePP	26 55
EUR	iP	04 26 36
FGU	eP	04 26 55
	epP	27 42
GUA	iP	04 15 31
	iS	16 36
HHM	iP	04 26 28
	epP	27 19
THU	eP	04 26 25
April 9		
COL	iP	04 37 05
	e	37 42
EUR	eP	04 36 37
April 9		
ALQ	eP	06 13 27
	i	13 50
	i	16 40
EUR	eP	06 12 25
April 9		
COL	eP	09 07 50
CSC	eP'	09 14 04
EUR	eP'	09 13 12
FGU	eP'	09 12 55
HHM	eP'	09 13 07
April 9		
COL	iP	10 35 52
April 9		
ALQ	e(P)	11 08 03
BCN	eP	11 07 40

Date and Station		Phase (GCT) h m s
EUR	e(P)	11 08 05
	iL	10 40
FGU	e(P)	11 09 12
	e	11 34
GCA	e(P)	11 09 25
	i	09 55
April 9		
COL	eP	17 39 24
April 9		
COL	eP	18 36 21
	e	37 20
April 9		
COL	iP	20 27 37
	epP	29 52
EUR	iP	20 27 11
April 9		
ALQ	iP	21 21 34
April 9		
COL	eP	22 45 21
	ePP	48 06
April 9		
ALQ	iP	23 03 10
April 9		
ALQ	eP	23 19 15
	e	19 39
April 9		
ALQ	e(P)	23 43 12
April 10		
ALQ	eP	00 32 07
April 10		
EUR	eP	00 54 53
April 10		
FGU	e(P)	02 08 45
	e(S)	09 21
April 10		
COL	iP	03 50 41
April 10		
ALQ	eP	04 21 34
April 10		
ALQ	iP	04 47 42
BCN	iP	04 48 10
BOZ	eP	04 48 42
BUT	eP	04 48 44
COL	i(P)	04 50 46
CSC	eP	04 46 43
EUR	iP	04 48 28
FGU	iP	04 48 17
	e(pP)	45 49

Date and Station		Phase (GCT) h m s
GCA	eP	04 49 06
HHM	iP	04 48 58
	epP	49 27
	esP	49 43
RCD	iP	04 48 18
	ipP	48 50
SLC	eP	04 48 23
SJP	iP	04 44 45
TUC	eP	04 47 42
	e	48 21
TUT	iP	04 47 42
April 10		
ALQ	eP	09 33 40
April 10		
ALQ	eP	10 29 47
April 10		
ALQ	iP	10 42 53
BCN	eP	10 42 17
COL	iP	10 38 17
	i	38 33
EUR	iP	10 41 56
FGU	eP	10 42 14
	ePcP	42 56
HHM	iP	10 41 22
RCD	iP	10 42 22
SLC	eP	10 42 07
THU	iP	10 40 57
	i	40 14
TUC	iP	10 42 50
TUT	iP	10 42 50
April 10		
ALQ	eP	12 22 39
EUR	eP	12 23 18
FGU	e(P)	12 23 06
April 10		
ALQ	eP	12 46 48
COL	eP	12 47 40
EUR	iP	12 47 28
FGU	e(P)	12 47 23
HHM	e(P)	12 48 01
April 10		
COL	eP	13 15 04

Date and Station		Phase (GCT) h m s
April 10		
COL	eP	13 24 06
EUR	eP	13 23 32
April 10		
GUA	eP	14 03 51
	e	03 57
	e	04 07
	e	10 08
April 10		
ALQ	eP	14 21 18
	i	22 03
EUR	eP	14 21 58
FGU	e(P)	14 21 47
April 10		
COL	iP	14 39 02
	ePP	41 05
WAS	e(P)	14 32 14
April 10		
COL	iP	17 19 04
EUR	iP	17 18 38
FGU	eP	17 19 04
HHM	e(P)	17 19 08
April 10		
COL	eP	19 55 38
EUR	eP	19 59 10
HHM	eP	19 58 40
April 10		
ALQ	eP	20 14 44
	e	15 10
BCN	eP	20 15 28
COL	eP	20 20 36
EUR	iP	20 16 00
CSC	e(P)	20 15 58
FGU	eP	20 15 50
	e	16 14
HHM	iP	20 17 27
TUT	iP	20 14 40
April 10		
BOZ	eP	20 35 32
COL	iP	20 36 39
	e	43 12
EUR	iP	20 35 27
FGU	e(P)	20 36 07
RCD	eP	20 36 33

Date and Station		Phase (GCT) h m s
April 10		
ALQ	eP	21 50 21
BCN	eP	21 50 35
BOZ	iP	21 49 53
BUT	iP	21 49 55
COL	iP	21 49 05
	iPcP	49 18
	i(PP)	52 13
	eS	58 56
EUR	iP	21 50 25
CSC	eP	21 49 09
FGU	eP	21 50 05
HHM	iP	21 49 46
	e(pP)	49 56
	e(S)	21 59 05
RCD	eP	21 49 41
SLC	eP	21 50 02
SJP	eP	21 48 57
THU	iP	21 46 36
TUT	iP	21 50 42
WAS	eP	21 48 35
April 10		
COL	eP	22 22 41
HHM	iP	22 23 25
THU	eP	22 20 15
April 10		
ALQ	eP	23 01 30
	eS	02 52
April 10		
COL	e(P)	23 47 53
April 10		
COL	eP	24 02 44
EUR	eP	24 05 42
GUA	iP	23 59 14
April 11		
COL	iP	00 02 44
April 11		
HHM	eP	01 48 22
April 11		
COL	eP	02 59 25
	e	03 00 24

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Date and Station		Phase (GCT)
		h m s
April 11		
COL	iP	03 40 06
	i	40 19
GUA	iP	03 29 40
April 11		
COL	eP	04 41 26
EUR	eP	04 44 54
HHM	eP	04 44 24
April 11		
COL	iP	09 29 45
EUR	eP	09 32 28
HHM	e(P)	09 32 10
April 11		
COL	iP	09 45 04
April 11		
BOZ	eP	11 00 11
BUT	eP	11 00 12
COL	iP	10 59 24
	eS	11 09 50
CSC	e(P)	11 59 28
EUR	eP	11 00 45
FGU	eP	11 00 24
HHM	iP	11 00 06
RCD	iP	11 00 00
WAS	eP	10 58 57
	e	59 17
April 11		
ALQ	e(P)	12 21 16
EUR	iP	12 22 49
HHM	e(P)	12 24 15
April 11		
COL	eP	19 09 20
EUR	eP	19 09 46
April 11		
COL	iP	20 54 44
April 11		
ALQ	iP	23 28 32(D)
BCN	eP	23 29 18
BOZ	eP	23 30 11(D)
BUT	e(P)	23 30 17
COL	eP	23 33 14
EUR	iP	23 29 45(D)

Date and Station		Phase (GCT)
		h m s
FGU	eP	23 29 34(D)
GCA	eP	23 30 13
HHM	iP	23 30 36(D)
THU	eP	23 33 30
TUC	eP	23 28 37
UKI	e(P)	23 30 11
April 12		
COL	eP	00 13 40
SJP	e(P)	00 12 48
April 12		
ALQ	eP	01 05 07(C)
	iS	15 17
BCN	eP	01 04 36
BOZ	eP	01 04 16
BUT	eP	01 04 09
	eS	13 31
COL	iP	01 01 18(C)
	i(pP)	01 36
	eS	08 10
	iScS	11 04
	iL	13 44
CSC	e(P)	01 06 27
	ePP	10 29
	eS	17 40
	eL	24 28
EUR	iP	01 04 18(C)
	ipP	04 29
	eS	13 48
	iL	17 41
FGU	eP	01 04 36
GCA	e(P)	01 05 48
GUA	eP	00 58 02
	eS	01 02 35
	eL	04 54
HHM	eP	01 03 56
	epP	04 08
	eS	13 06
HON	eP	01 02 02
	ipP	02 13
	iS	09 22
	iL	14 18
KIP	eP	01 01 59
	ipP	02 12
RCD	eP	01 04 46
SLC	eP	01 04 32
SIT	eP	01 02 15

Date and Station		Phase (GCT)
		h m s
THU	iP	01 03 22(D)
	i	03 52
	iPcP	04 08
	e(PP)	06 15
	eP'P'	32 17
TUC	eP	01 05 06
UKI	eP	01 04 52
WAS	e(P)	01 06 03
April 12		
HHM	iP	02 54 29
	iS	54 58
April 12		
GUA	eP	03 39 42
April 12		
ALQ	eP	05 28 31
COL	eP	05 24 41
	iPP	26 00
EUR	iP	05 27 43
FGU	eP	05 27 60
GUA	eP	05 21 09
HHM	e(P)	05 27 18
RCD	eP	05 28 07
	i	28 34
SLC	e(P)	05 27 45
THU	iP	05 26 45
	i	26 58
TUC	e(P)	05 28 26
April 12		
COL	iP	06 06 02
	ipP	06 26
	isP	06 37
EUR	eP	06 06 20
April 12		
COL	eP	07 09 24
EUR	e(P)	07 12 20
April 12		
ALQ	eP'	11 39 25
COL	eP'	11 38 35
EUR	eP'	11 39 14
April 12		
ALQ	eP	15 41 25
	i	42 11
	i	44 25
April 12		
COL	eP	16 31 37
	i	33 37

Date and Station		Phase (GCT)
		h m s
April 12		
ALQ	eP	16 47 26
BCN	eP	16 47 55
COL	eP'	16 54 47
EUR	eP	16 48 11
FGU	eP	16 48 02
HHM	iP	16 48 43
RCD	eP	16 48 04
SJP	e(P)	16 44 34
April 12		
BCN	eP	18 00 28
EUR	iP	18 00 40
April 12		
COL	eP	20 15 56
April 12		
COL	eP	23 25 15
EUR	eP	23 28 16
April 13		
EUR	e(P)	00 56 37
April 13		
COL	eP	01 52 06
EUR	eP	01 55 48
April 13		
COL	eP	02 11 23
	e	18 07
April 13		
COL	eP	03 24 48
April 13		
EUR	eP	04 33 44
SJP	eP	04 26 58
	iS	28 35
April 13		
COL	eP	11 00 04
EUR	eP	11 03 38
April 13		
EUR	eP	12 03 43
April 13		
GUA	e(P)	13 43 04
April 13		
BCN	eP	15 39 53
BOZ	eP	15 41 11
BUT	e(P)	15 41 44
	iS	43 43

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Date and Station		Phase (GCT)
		h m s
COL	eP	15 45 11
EUR	iP	15 39 31
	iS	40 44
FGU	eP	15 40 49
HHM	eP	15 41 26
	i(S)	44 35
SLC	eP	15 40 25
TUC	e(P)	15 41 10
TUT	e(P)	15 41 04
UKI	eP	15 39 39
April 13		
ALQ	e(P)	16 43 05
BCN	eP	16 41 18
EUR	iP	16 40 44
	iS	41 26
FGU	eP	16 42 03
April 13		
BOZ	eP	18 48 29
COL	iP	18 45 55
EUR	iP	18 48 55
FGU	iP	18 48 43
	e	48 58
HHM	iP	18 48 13
THU	e(P)	18 45 19
April 13		
BCN	eP	19 31 28
April 13		
BCN	eP	20 22 22
EUR	iP	20 21 49
	i(S)	22 29
FGU	eP	20 23 05
UKI	eP	20 21 58
April 13		
COL	eP	23 03 11
EUR	eP	23 06 11
April 13		
COL	eP	23 36 16
EUR	eP	23 40 22
April 13		
FGU	eP	23 44 36
	eS	45 06

Date and Station		Phase (GCT)
April 14		h m s
COL	iP	01 15 37
	iS	16 40
	iL	17 13
EUR	e(P)	01 20 20
April 14		
COL	iP	05 30 05
	i	30 14
April 14		
COL	eP	07 42 34
	e	42 43
THU	e(P)	07 43 20
April 14		
BCN	eP	07 55 35
BUT	iP	07 55 52
COL	eP	07 59 07
	e	08 02 32
EUR	iP	07 55 01
FGU	eP	07 56 10
RCD	eP	07 57 08
TUC	iP	07 56 40
TUT	iP	07 56 40
UKI	i(P)	07 57 48
April 14		
GUA	iP	08 29 48
April 14		
COL	iP	09 40 23
April 14		
COL	eP	12 59 06
April 14		
COL	iP	15 37 26
EUR	e(P)	15 40 07
April 14		
ALQ	eP	17 02 28
COL	iP	16 58 39
	i	59 09
EUR	iP	17 01 40
FGU	eP	17 01 47
THU	iP	17 00 35
April 14		
ALQ	eP	18 01 52
BCN	eP	18 00 28
COL	eP	18 06 42
EUR	iP	18 00 39

Date and Station		Phase (GCT)
		h m s
FGU	eP	18 01 40
	e	02 55
GCA	e(P)	18 00 58
	i	01 07
April 14		
COL	eP	18 51 33
EUR	iP	18 54 36
FGU	e(P)	18 54 33
April 14		
UKI	e(P)	19 37 57
April 14		
EUR	eP	20 54 38
FGU	eP	20 54 39
April 14		
ALQ	eP	21 29 02
	eS	29 41
April 14		
GUA	eP	21 54 04
April 15		
FGU	eP	00 45 02
April 15		
FGU	eP	04 06 48
	eS	07 06
April 15		
BCN	eP	07 09 39
April 15		
ALQ	eP	07 44 44
	i	44 56
BUT	iP	07 44 00
COL	iP	07 41 01
EUR	iP	07 43 57
FGU	eP	07 44 14
April 15		
ALQ	eP	08 43 50
	eL	47 00
BCN	eP	08 42 15
BUT	eS	08 46 55
EUR	iP	08 42 13
	i(S)	43 13
FGU	eP	08 43 25
SLC	e(P)	08 42 30
TUC	e(P)	08 43 16
UKI	eP	08 42 00

Date and Station		Phase (GCT)
April 15		h m s
COL	eP	09 52 09
April 15		
FGU	e(P)	10 29 48
	e	30 21
April 15		
COL	iP	11 47 19
EUR	eP'	11 53 49
April 15		
COL	eP	14 14 29
April 15		
GUA	eP	15 01 00
April 15		
ALQ	eP	18 21 49
COL	eP'	18 27 29
EUR	eP	18 22 24
	ePP	26 35
THU	eP	18 21 02
April 15		
ALQ	eP	18 58 41
	e(PP)	19 02 30
COL	eP'	19 03 17
EUR	e(P)	18 59 15
	e(PP)	19 03 25
FGU	e(P)	18 58 51
RCD	eP	18 58 30
THU	eP	18 57 51
April 15		
GUA	eP	20 35 52
April 15		
FGU	eP	22 36 42
	eS	37 02
April 15		
ALQ	eP'	22 49 15
COL	eP'	22 50 42
	i	50 49
EUR	eP'	22 49 55
GCA	e(PP)	22 52 37
	i	52 49
SJP	eP	22 43 12
THU	eP'	22 50 15
April 16		
COL	iP	00 27 07
THU	e(P)	00 24 31

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

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Date and Station		Phase (GCT)
		h m s
April 18		
COL	eP	10 56 36
April 18		
COL	iP	16 45 17
EUR	eP	16 47 59
April 18		
COL	iP	18 24 40
EUR	eP	18 24 22
April 18		
ALQ	iP	19 23 43(C)
	iS	30 48
	iL	43 16
BHP	eP	19 18 56
	eS	22 24
BCN	eP	19 24 21
BOZ	eP	19 24 59
BUT	eP	19 25 04
COL	iP	19 27 34(C)
	i	27 49
	i	28 15
	iPP	31 09
	iS	38 04
	iPKKP	45 06
CSC	eP	19 22 40
	eS	29 00
	eL	32 24
EUR	iP	19 24 41(C)
	i	24 57
	eS	34 11
FGU	eP	19 24 27
	i	24 38
	iS	32 26
GCA	eP	19 24 14
HON	eP	19 27 08
	eS	37 35
	eL	53 00
HHM	eP	19 25 21
KIP	eP	19 27 08
RCD	eP	19 24 29
SLC	eP	19 24 34
SJP	eP	19 20 51
	e	21 47
	eS	25 50
TUC	iP	19 23 45(C)
	e	24 13
	ePP	25 51
	eS	31 05
	eL	35 09
TUT	eP	19 23 44

Date and Station		Phase (GCT)
		h m s
UKI	eP	19 25 10
WAS	eP	19 23 20
	e	23 32
	i	24 46
	ePP	25 36
	e	27 38
	eS	30 28
	e	30 52
	eSS	33 52
April 18		
EUR	eP	20 01 48
April 18		
COL	iP	21 20 51
EUR	eP	21 21 10
April 18		
COL	iP	23 50 43
EUR	e(P)	23 47 30
FGU	eP	23 47 18
	e(S)	47 49
April 19		
COL	eP	02 17 47
April 19		
BCN	eP	02 28 44
COL	iP	02 31 57
	i	32 10
	ePKKP	47 43
	i	47 55
	e	55 18
EUR	iP	02 29 04
	i	29 17
	eP'P'	58 37
FGU	eP	02 28 50
	i	29 03
SJP	eP	02 25 14
TUC	iP	02 28 07
TUT	iP	02 28 07
April 19		
COL	eP	04 12 08
April 19		
COL	iP	05 40 38
	e	45 44
EUR	eP	05 41 03
April 19		
FGU	eP	06 17 46
	i(S)	17 54
April 19		
BCN	eP	06 23 35

Date and Station		Phase (GCT)
		h m s
EUR	iP	06 24 02
	i	24 23
	i(S)	25 33
TUC	e(S)	06 26 04
TUT	e(P)	06 24 26
	e(S)	26 03
April 19		
COL	eP	08 18 06
EUR	eP	08 21 07
April 19		
COL	eP	12 07 16
April 19		
ALQ	eP	16 34 51
	e(S)	35 28
April 19		
ALQ	eP	20 12 15
April 19		
COL	iP	20 20 01
	e	20 29
April 19		
ALQ	iP	20 27 26
BCN	eP	20 28 06
EUR	iP	20 28 25
COL	iP	20 31 18
	i	31 29
FGU	eP	20 28 10
	e	28 24
RCD	iP	20 28 13
April 19		
COL	eP	22 27 43
EUR	iP	22 27 56
	ipP	28 48
April 19		
ALQ	eP	23 26 49
	epP	27 20
BCN	eP	23 26 36
BOZ	eP	23 25 34
BUT	eP	23 25 28
COL	iP	23 21 51
	e	26 24
CSC	eP	23 27 33
EUR	iP	23 26 05
GCA	e(P)	23 26 27
HON	eP	23 26 22

Date and Station		Phase (GCT)
		h m s
HHM	eP	23 25 08
KIP	iP	23 26 21
	i	26 27
WAS	e(P)	23 27 11
April 20		
FGU	eP	00 26 07
April 20		
ALQ	iP	05 54 34(C)
	i(S)	06 00 16
BHP	eP	05 51 06
	eS	53 31
BOZ	iP	05 55 35(C)
	ePP	57 36
BUT	eP	05 55 44(C)
COL	iP	05 58 38
	eS	06 07 22
CSC	eP	05 51 29
EUR	eP	05 55 46
FGU	eP	05 55 09
	i(S)	06 00 56
GCA	eP	05 55 15
HON	eP	06 00 00
	iS	09 57
	eL	25 30
HHM	iP	05 55 59(C)
KIP	eP	06 00 01
RCD	eP	05 54 46
	i(PP)	56 32
	iPcP	57 16
	eS	06 00 09
	eL	01 48
SLC	eP	05 55 25(C)
SJP	iP	05 49 25(C)
	iS	49 52
SIT	eP	05 57 51
UKI	eP	05 56 31(C)
WAS	iP	05 52 13(C)
	iS	55 47
April 20		
FGU	eP	10 58 55
	iS	59 13
April 20		
EUR	eP	13 27 13

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

Date and Station		Phase (GCT)
		h m s
HON	eP	06 07 26
	i	07 44
	iS	14 53
	eL	18 25
KIP	eP	06 07 23
	i	07 41
RCD	eP	06 09 48
	eS	19 24
SLC	iP	06 09 34(C)
SJP	e(P)	06 13 25
	e(P')	16 32
	iPP	17 32
	ePKKP	27 34
SIT	eP	06 07 11
	e(PcP)	08 00
	ePP	09 16
	eS	14 28
THU	iP	06 08 08(D)
	e	09 24
	ePP	10 39
	eS	15 07
TUC	iP	06 10 11(C)
	ePP	13 13
	eS	20 08
	eSS	25 32
	eL	35 21
UKI	eP	06 09 00
	eS	18 00
WAS	iP	06 11 13(D)
	i	12 09
	iPP	14 17
	iPPP	16 41
	eS	21 09
April 23		
COL	iP	09 57 24
EUR	iP	10 01 06
April 23		
COL	eP	12 01 28
April 23		
BCN	eP	14 38 19
April 23		
COL	iP	15 29 58
April 23		
COL	iP	16 10 39
EUR	iP	16 14 20
TUT	iP	16 15 11
	ePP	18 10
	eS	25 11
April 23		
ALQ	e(P)	18 48 28
April 23		
COL	iP	19 59 24

Date and Station		Phase (GCT)
		h m s
April 23		
COL	eP	21 18 33
	epP	18 48
April 24		
ALQ	eP	04 33 33
	i	35 30
EUR	iP	04 33 51
TUC	iP	04 33 13
	i	35 32
TUT	iP	04 33 14
	i	35 32
April 24		
COL	eP	05 33 24
EUR	eP	05 32 58
April 24		
ALQ	eP	06 21 36
April 24		
COL	iP	07 08 39
April 24		
COL	iP	07 17 05
EUR	eP	07 21 03
April 24		
GUA	iP	08 49 30
April 24		
COL	eP	09 48 13
April 24		
COL	e(P)	10 09 39
EUR	eP	10 06 01
April 24		
COL	iP	12 06 50
April 24		
BCN	eP	14 17 40
April 24		
COL	iP	14 31 27
	i	32 21
	e(PP)	33 37
April 24		
BCN	eP	16 15 16
BOZ	eP	16 16 28
COL	iP	16 18 37
	e	22 23
EUR	iP	16 15 41
RCD	iP	16 15 53
SJP	iP	16 11 11
	i	11 30
THU	e(P)	16 17 44

Date and Station		Phase (GCT)
		h m s
TUT	iP	16 14 42
	i	15 18
April 24		
COL	eP	17 58 55
	i	59 04
EUR	eP	17 55 51
April 24		
COL	eP	21 32 16
	i	33 12
	e	39 21
April 25		
COL	iP	03 34 45
	i	34 55
EUR	iP	03 38 35
RCD	iP	03 39 00
THU	iP	03 37 22
	e	37 38
April 25		
EUR	eP	04 20 48
April 25		
COL	iP	05 59 54
	i	06 00 31
April 25		
COL	iP	06 08 03
EUR	eP	06 07 32
April 25		
COL	eP	06 34 21
April 25		
COL	eP	08 30 28
	e	32 37
April 25		
ALQ	eP	08 51 20
BCN	eP	08 49 54
EUR	iP	08 49 30
	iS	49 58
SLC	eP	08 50 39
April 25		
BCN	eP	15 55 20
EUR	iP	15 54 46
	iS	55 10
April 25		
BCN	eP	15 59 14
BOZ	eP	15 59 01
COL	iP	15 56 00
	iS	16 02 53
EUR	iP	15 59 03

Date and Station		Phase (GCT)
		h m s
GUA	eP	15 52 44
	e(S)	57 10
HON	iS	16 04 31
	eL	11 37
RCD	eP	15 59 28
	i	59 38
THU	eP	15 57 56
	e	58 12
	e	58 22
April 25		
COL	eP	18 50 18
EUR	eP	18 47 08
SJP	eP	18 42 31
April 25		
COL	eP	19 58 26
	i	58 35
EUR	iP	20 01 27
	ipP	01 38
THU	e(P)	20 00 21
April 25		
COL	iP	21 46 50
EUR	iP	21 46 27
April 26		
COL	iP	02 56 39
April 26		
COL	iP	03 22 14
April 26		
BCN	eP	07 38 00
COL	iP	07 38 05
	i	39 32
	ipP	40 17
	i(S)	47 40
	iP'P'	56 05
GUA	iP	07 34 10
HON	iP	07 33 44
KIP	iP	07 33 44
RCD	eP	07 38 38
	e(PP)	42 21
TUC	iP	07 37 50
	e	38 07
	epP	39 49
TUT	iP	07 37 50
	epP	39 51
April 26		
COL	eP	09 12 29

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Date and Station		Phase	Phase (GCT) h m s
April 26			
COL		iP	15 17 01
April 26			
COL		iP	16 05 43
April 26			
ALQ		eP	18 32 29
COL		eP'	18 40 20
April 26			
COL		iP	23 11 24
April 27			
COL		iP	03 07 36
April 27			
COL		eP	06 42 33
		ipP	44 40
EUR		iP	06 42 14
TUC		iP	06 42 14
TUT		iP	06 42 14
April 27			
ALQ		iP	06 59 57
BHP		iP	06 56 46
BCN		eP	07 00 16
COL		iP'	07 06 21
		ePP	08 29
CSC		eP	06 59 26
EUR		iP	07 00 32
		ePKKP	17 51
SJP		eP	06 57 54
TUC		iP	06 59 52
TUT		iP	06 59 52
WAS		eP	06 59 29
April 27			
ALQ		eP	09 14 41
		iS	17 06
BCN		iP	09 13 18
EUR		iP	09 13 58
		iS	15 29
GCA		eP	09 14 21
SLC		e(P)	09 14 34
TUC		eP	09 13 54
		eS	15 26
TUT		eP	09 13 55
		eS	15 25
April 27			
EUR		eP	12 11 36

Date and Station		Phase	Phase (GCT) h m s
April 27			
GUA		e(P)	13 59 59
April 27			
COL		iP	16 12 25
April 27			
COL		e(P)	16 42 06
EUR		e(P)	16 41 32
April 27			
COL		iP	17 27 43
April 27			
COL		iP	17 31 24
April 27			
ALQ		eP	18 01 59
BCN		iP	18 00 27
BOZ		e(P)	18 02 28
COL		e(P)	18 06 44
EUR		iP	18 00 41
GCA		eP	18 01 24
		i	01 35
SLC		e(P)	18 01 17
TUC		eP	18 01 42
TUT		e(P)	18 01 39
April 27			
ALQ		eP	18 23 10
BCN		eP	18 21 06
EUR		iP	18 21 21
GCA		e(P)	18 22 05
		e	22 59
April 27			
COL		iP	20 25 31
April 28			
TUT		e(P)	00 52 01
April 28			
COL		iP	02 09 26
		eS	11 39
April 28			
COL		eP	07 49 52
April 28			
COL		eP	08 07 03
April 28			
COL		eP	09 08 45
EUR		eP	09 12 03
RCD		eP	09 12 27
April 28			
COL		eP	10 01 28

Date and Station		Phase	Phase (GCT) h m s
April 28			
BOZ		eP	11 31 57
BUT		eP	11 31 56
COL		iP	11 31 00
		epP	31 13
CSC		eP	11 31 22
EUR		iP	11 32 27
RCD		iP	11 31 46
		ipP	31 57
SJP		eP	11 31 14
April 28			
COL		eP	11 49 54
April 28			
SJP		iP	12 27 21
		iS	27 39
April 28			
COL		eP	12 55 50
RCD		iP	12 56 36
SJP		eP	12 56 05
April 28			
FGU		eP	13 29 36
		iS	30 37
April 28			
GUA		eP	15 15 53
		e(S)	18 03
		e	21 01
April 28			
COL		iP	17 14 18
April 28			
COL		eP	18 04 49
April 28			
EUR		eP	19 53 21
April 28			
EUR		eP	20 01 57
April 28			
FGU		e(P)	22 09 33
April 28			
EUR		eP	23 23 30
GUA		e(P)	23 11 12
April 29			
FGU		e(P)	00 09 23
April 29			
ALQ		e(P)	00 52 56
EUR		e(P)	00 53 21
		eL	56 28
TUC		e(P)	00 52 03

Date and Station		Phase	Phase (GCT) h m s
April 29			
ALQ		eP	01 08 22
EUR		eP	01 08 43
		eL	10 29
TUC		e(P)	01 07 19
TUT		eP	01 07 21
April 29			
TUC		e(P)	02 21 04
TUT		eP	02 21 04
April 29			
ALQ		e(P)	03 17 14
EUR		eP	03 17 41
		eL	21 04
April 29			
ALQ		e(P)	03 30 20
		e	32 11
EUR		e(P)	03 32 29
April 29			
TUC		e(P)	03 57 08
April 29			
TUC		eP	04 16 01
		e	17 02
April 29			
FGU		e(P)	04 27 51
April 29			
BHP		iP	04 52 28
		iS	52 57
April 29			
TUC		e(P)	06 33 57
April 29			
COL		iP	07 18 08
EUR		eP	07 17 34
April 29			
COL		eP	08 36 06
April 29			
COL		eP	12 37 31
April 29			
BHP		iP	13 09 19
		iS	09 56
COL		iP	13 20 17
		i	20 25
EUR		eP	13 17 04
SJP		e(P)	13 12 44
April 29			
COL		iP	14 44 31
		i	45 20

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Date and Station		Phase (GCT)
April 29		h m s
COL	iP	15 21 59
EUR	eP	15 23 10
April 29		
EUR	eP	17 18 52
April 29		
COL	iP	20 48 54
EUR	eP	20 48 02
April 30		
ALQ	iP	02 38 59(C)
BCN	eP	02 38 22
BOZ	eP	02 38 00(C)
BUT	eP	20 37 54(C)
COL	iP	02 35 02(C)
	iPcP	36 27
	iPP	36 56
	eS	41 51
EUR	iP	02 38 07(C)
FGU	iP	02 38 23(C)
GCA	e(P)	02 39 01
GUA	eP	02 31 51(D)
	eS	36 40
HHM	eP	02 37 40
HON	eP	02 35 55
	iS	43 44
	eL	49 16
KIP	eP	02 35 53
	epP	36 13
RCD	eP	02 38 30
	i	38 48
	epP	39 06
THU	iP	02 36 53(D)
	e	37 07
	epP	37 18
	ePcP	38 02
TUC	iP	02 38 49(C)
	epP	39 23
	ePP	42 10
TUT	eP	02 38 49
UKI	iP	02 37 42(C)
April 30		
BHP	iP	07 50 25
	iS	51 27
COL	eP	08 00 28
EUR	iP	07 57 33
FGU	eP	07 57 06

Date and Station		Phase (GCT)
		h m s
RCD	iP	07 56 55
SJP	eP	07 51 49
	iS	54 11
TUC	iP	07 56 38
April 30		
ALQ	iP	09 56 24
BUT	eP	09 56 44
COL	eP	09 54 44
	iScP	59 26
EUR	iP	09 56 43
FGU	iP	09 57 04
	e	57 14
RCD	eP	09 57 18
THU	eP	09 56 42
TUC	iP	09 57 14
April 30		
COL	eP	10 53 14
EUR	eP	10 53 20
April 30		
COL	iP	13 11 16
	i	11 40
EUR	eP	13 16 52
April 30		
COL	eP	13 54 44
EUR	eP	13 58 25
April 30		
COL	eP	16 06 38
EUR	iP	16 10 08
April 30		
ALQ	eP	16 29 22
BCN	eP	16 28 54
BOZ	e(P)	16 29 44
BUT	eP	16 29 27
COL	iP	16 29 25
	eS	39 54
EUR	iP	16 28 59
FGU	eP	16 29 25
GUA	e(P)	16 25 46
HON	iS	16 31 25
	eL	34 40
KIP	eP	16 24 49
UKI	eP	16 28 12

Date and Station		Phase (GCT)
April 30		h m s
ALQ	eP	18 12 52
April 30		
ALQ	iP	18 43 30
BCN	eP	18 43 03
COL	iP	18 43 34
	i	43 54
	iS	53 38
EUR	iP	18 43 09
HON	eS	18 45 37
	eL	48 49
April 30		
FGU	eP	19 43 35
April 30		
COL	iP	20 18 02
	i	18 10
April 30		
COL	iP	20 52 12
	i	53 13
	e	54 55
EUR	eP'	20 57 12
GUA	eP	20 45 17
	eS	49 29
April 30		
FGU	e(P)	21 33 03
	eS	33 44
April 30		
COL	iP	22 50 11
EUR	iP	22 53 15
April 30		
FGU	e(P)	23 48 26
	i	48 29
	eS	49 30
April 30		
COL	iP	23 58 13
	iPP	24 00 10

Date and Station	Phase (GCT)
	h m s

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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		h m s		h m s		h m s
Local and Minor Earthquakes		ROD					
		8	19.2				
		10	21.6				
April		12	21.2				
COL			21.6				
1	10.5	13	18.4				
	11.6	14	21.0				
4	03.2	16	22.3				
	04.7	18	18.7				
	15.7		22.3				
5	01.2	20	21.4				
7	06.2	23	21.7				
9	02.1		19.0				
15	21.3	27	15.3				
16	06.6		21.1				
19	00.3	30	21.1				
20	22.2						
21	03.7	SJP					
24	00.8	3	16.5				
26	11.8	4	10.8				
		15	01.3				
EUR		22	05.1				
1	09.2	28	13.4				
2	16.5						
	16.7	TUC					
3	17.0	2	22.9				
4	16.2	4	23.9				
	17.0		23.9				
5	19.1	9	10.8				
	22.0		11.1				
7	14.9	10	20.3				
8	01.1	11	12.3				
13	16.2	12	22.9				
	16.5	16	12.0				
	17.1		12.3				
17	17.4		12.5				
23	04.3	20	22.9				
25	10.6	24	23.1				
28	22.4	25	08.9				
29	16.7						
	20.6	TUT					
		2	22.9				
FGU		4	22.9				
1	16.6		23.9				
	22.4	9	10.8				
4	16.9		11.1				
5	11.9	16	12.0				
6	18.3		12.3				
7	12.5		12.5				
10	10.5	20	23.0				
	23.0						
	22.9						
12	03.9						
13	19.5						
17	17.4						
28	15.4						
30	05.3						
	05.4						
GCA							
4	10.8						
5	18.0						
	12.9						
7	12.5						
	23.2						
10	10.5						
	20.3						
17	12.4						