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SEISMOLOGICAL BULLETIN

September, 1962

COAST & GEODETIC SURVEY

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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) WWNSS
**Balboa Heights, C. Z. (BHP) WWNSS
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. D. (RCD) WWNSS
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.
WWNSS indicates the observatories are part of the World-Wide Network of Standard Seismographs.

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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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 on the Preliminary Determination of Epicenter cards with some refinement and minor additions.

All seismograms are on file in the Coast and Geodetic Survey. Requests for information on seismogram copies of the World-Wide Network observatories should be addressed to:

Director
U. S. Coast and Geodetic Survey
Washington, D. C. 20230
ATTN: Seismology Data Center

Date 1962	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
Sept.	h m s	°	°	
1	03 46 05.0	51.3 N.	179.7 W.	Andreanof Islands, Aleutian Islands. h about 25 km. Mag. 6½.
1	03 58 21.5	51.1 N.	180.0	Andreanof Islands, Aleutian Islands. h about 33 km.
1	04 41 41.5	51.3 N.	179.9 W.	Andreanof Islands, Aleutian Islands. h about 37 km.
1	04 52 14.5	15.9 S.	168.2 E.	New Hebrides Islands. Felt on Santo. h about 244 km.
1	07 42 07.4	51.2 N.	180.0	Andreanof Islands, Aleutian Islands. h about 33 km.
1	07 51 08.2	51.3 N.	179.9 W.	Andreanof Islands, Aleutian Islands. h about 42 km. Mag. 6½.
1	08 47 06.9	51.4 N.	179.8 W.	Andreanof Islands, Aleutian Islands. h about 29 km.
1	15 01 04.6	25.8 N.	65.3 E.	Near coast of West Pakistan. h about 46 km.
1	19 20 38.7	35.6 N.	49.9 E.	Northwestern Iran. Over 10,000 killed, many injured, 294 villages wrecked or damaged. h about 20 km. Mag. 7¾.
1	20 27 40.0	35.6 N.	49.4 E.	Northwestern Iran. h about 31 km.
1	23 43 24.9	79.0 N.	2.7 E.	Svalbard region. h about 19 km.
2	03 02 29.3	51.3 N.	179.8 W.	Andreanof Islands, Aleutian Islands. h about 26 km.
2	05 33 05.4	27.5 N.	127.0 E.	Ryukyu Islands region. h about 58 km.
2	07 12 02.6	35.6 N.	49.4 E.	Northwestern Iran. h about 31 km.
2	08 23 28.5	34.2 N.	139.5 E.	Near east coast of Honshu, Japan. h about 33 km.
2	09 39 11.0	44.6 N.	107.6 W.	Wyoming-Montana border. h about 33 km.
2	14 54 49.6	44.6 N.	128.2 W.	Off coast of Oregon. h about 39 km.
2	15 21 55.0	10.2 S.	120.3 E.	Near south coast of Sumba. h about 33 km.
2	15 38 51.6	10.2 S.	120.0 E.	Near south coast of Sumba. h about 27 km.
2	16 13 18.1	22.4 S.	68.1 W.	Chile-Bolivia-Argentina border region. h about 170 km.
2	19 52 06.7	71.2 N.	12.7 W.	Jan Mayen Island region. h about 33 km.
2	20 16 41.7	38.5 S.	179.8 W.	Off coast of North Island, New Zealand. h about 33 km.
2	20 57 33.4	33.9 N.	138.7 E.	Near east coast of Honshu, Japan. h about 33 km.
2	23 56 53.6	7.0 S.	124.8 E.	Flores Sea. h about 470 km.
3	16 50 38.2	34.5 N.	139.4 E.	Near east coast of Honshu, Japan. h about 33 km.
3	20 36 37.6	34.0 N.	139.0 E.	Near east coast of Honshu, Japan. h about 49 km.
3	21 17 12.0	18.5 N.	107.6 W.	Off coast of Jalisco, Mexico. h about 33 km.
3	22 06 08.9	56.6 S.	27.2 W.	Sandwich Islands. h about 33 km.
4	08 27 48.1	32.6 S.	112.5 W.	South of Easter Island. h about 33 km.
4	13 30 14.5	35.6 N.	49.7 E.	Northwestern Iran. h about 53 km.
4	15 11 43.8	36.5 N.	8.8 W.	Near south coast of Portugal. h about 33 km.
4	15 17 40.1	15.3 N.	92.0 W.	Mexico-Guatemala border. h about 172 km.
4	17 16 15.1	10.0 S.	120.0 E.	Near south coast of Sumba. h about 100 km.
4	17 17 27.5	41.0 N.	124.0 W.	Near coast of northern California. Felt in Humboldt County, California and Cave Junction, Oregon. h about 41 km. Mag. 4¾-5.
4	19 28 37.0	15.5 S.	167.7 E.	New Hebrides Islands. Felt on Santo. h about 133 km.
4	21 46 00.7	24.0 N.	46.4 W.	North Atlantic Ocean. h about 39 km.

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Date 1962	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
Sept.	h m s	°	°	
4	22 59 19.5	39.9 N.	44.2 E.	Turkey-Armenia S. S. R. border. 100 injured and moderate property damage at Igdir. Felt at Diijadin and Dogubayazit. h about 33 km.
5	06 39 11.4	6.8 N.	73.0 W.	Colombia. h about 151 km.
5	08 35 56.3	52.7 N.	159.1 E.	Near east coast of Kamchatka. h about 101 km.
5	11 17 06.7	3.3 S.	139.9 E.	Near north coast of western New Guinea. h about 110 km.
5	16 04 29.0	40.7 N.	112.0 W.	Utah. Moderate damage in Salt Lake County. h about 14 km. Mag. 5.
6	06 47 29.1	31.6 S.	69.4 W.	San Juan Province, Argentina. h about 136 km.
6	10 49 00.7	21.2 S.	174.5 W.	Tonga Islands region. h about 110 km.
6	11 10 50.3	4.0 S.	126.4 E.	Buru. h about 33 km.
6	13 39 00.4	14.0 N.	90.6 W.	Near south coast of Guatemala. h about 72 km.
6	15 03 01.9	8.4 S.	158.8 E.	Solomon Islands. Felt on New Georgia. h about 95 km.
6	17 38 41.4	34.5 N.	139.7 E.	Near east coast of Honshu, Japan. Felt at Chosi City. h about 33 km.
6	18 06 22.9	31.8 S.	178.8 W.	Kermadec Islands. h about 81 km.
7	07 07 27.8	3.2 S.	128.0 E.	Ceram Sea. h about 216 km.
7	07 41 48.1	6.3 S.	130.0 E.	Banda Sea. h about 150 km.
7	08 47 19.0	40.0 N.	111.0 W.	Northern Utah. h about 33 km.
7	12 03 31.1	34.0 N.	139.3 E.	Near east coast of Honshu, Japan. h about 33 km.
7	12 11 08.4	34.5 N.	134.8 E.	Near northeast coast of Shikoku, Japan. h about 33 km.
7	12 38 45.4	6.3 S.	151.6 E.	New Britain region. h about 36 km.
7	14 00 45.9	39.7 N.	78.2 W.	Western Maryland. h about 38 km.
7	16 50 28.0	39.5 N.	110.0 W.	Northern Utah. h about 33 km.
7	19 37 19.7	14.7 S.	167.5 E.	New Hebrides Islands region. Felt on Santo. h about 205 km.
7	23 37 44.2	31.8 S.	179.6 E.	Kermadec Islands. h about 448 km.
7	23 39 12.8	41.3 N.	116.7 W.	Northern Nevada. h about 33 km.
7	23 52 09.1	8.4 S.	159.0 E.	Solomon Islands. h about 95 km.
8	07 27 06.7	22.4 S.	171.5 E.	Loyalty Islands. h about 76 km.
8	10 17 57.7	73.7 N.	53.8 E.	Novaya Zemlya. h about 0 km. Mag. 4¾ (Pal).
8	13 03 27.5	15.8 N.	60.6 W.	Leeward Islands. h about 28 km.
9	01 34 39.2	10.4 N.	121.5 E.	Near west coast of Panay, Philippine Islands. h about 62 km.
9	02 56 04.5	17.9 S.	178.6 W.	Fiji Islands region. h about 622 km.
9	03 21 55.2	15.7 S.	73.3 W.	Near coast of southern Peru. h about 93 km.
9	08 39 38.2	21.8 S.	171.1 E.	Loyalty Islands region. h about 112 km.
9	11 23 41.6	10.5 N.	121.8 E.	Near west coast of Panay, Philippine Islands. h about 33 km.
9	14 38 12.9	41.6 N.	111.7 W.	Northern Utah. Felt at Logan. h about 45 km.
9	14 45 42.3	14.1 N.	90.1 W.	Near south coast of Guatemala. h about 33 km.
9	15 15 22.7	10.1 N.	147.3 E.	Mariana Islands region. h about 217 km.
9	19 12 37.1	62.4 N.	152.4 W.	Alaska. h about 57 km. Mag. 4½ (Pal).
10	09 36 24.9	34.8 N.	26.9 E.	Near southeast coast of Crete. h about 33 km.
10	13 50 48.7	51.2 N.	179.7 E.	Rat Islands, Aleutian Islands. h about 62 km.
10	15 43 57.4	21.2 S.	179.1 W.	Fiji Islands region. h about 612 km. Mag. 6½.

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Date 1962	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
Sept.	h m s	°	°	
10	17 10 12.2	51.3 N.	179.1 E.	Rat Islands, Aleutian Islands. h about 60 km.
10	17 49 16.1	17.5 S.	173.6 W.	Tonga Islands region. h about 33 km.
10	20 07 57.1	13.6 S.	111.7 W.	Pacific Ocean, 1250 miles southwest of Galapagos Islands. h about 33 km.
10	21 52 26.3	12.3 N.	86.7 W.	Near west coast of Nicaragua. h about 176 km.
10	22 47 07.6	30.7 N.	94.6 E.	Sikang Province, China. h about 33 km.
11	00 17 38.4	40.0 N.	44.2 E.	Turkey-Armenia S. S. R. border. Moderate damage at Igdir. h about 34 km.
11	00 33 13.0	6.1 S.	149.4 E.	New Britain region. Felt at Walindi. h about 62 km.
11	02 24 22.9	15.2 S.	173.4 W.	Tonga Islands region. h about 33 km.
11	04 54 05.8	51.5 N.	178.0 W.	Andreanof Islands, Aleutian Islands. h about 33 km.
11	08 41 12.4	7.5 N.	73.5 W.	Colombia-Venezuela border region. h about 73 km.
11	11 15 04.9	35.4 N.	49.9 E.	Northern Iran. h about 33 km.
11	17 51 11.4	26.8 N.	142.9 E.	Bonin Islands region. h about 33 km.
11	19 46 21.5	22.4 S.	172.3 E.	Loyalty Islands region. h about 33 km.
11	21 56 22.4	23.8 N.	121.3 E.	Taiwan. h about 33 km.
11	23 40 44.9	41.1 N.	76.0 E.	Kirghiz S. S. R.-Sinkiang Province, China border. h about 32 km.
12	04 50 14.0	6.9 S.	12.4 W.	Ascension Island region. h about 33 km.
12	12 28 02.5	22.8 S.	68.3 W.	Chile-Bolivia border. h about 33 km.
12	18 18 42.9	4.4 S.	145.4 E.	Near north coast of New Guinea. Felt at Bogia and on Maram Island. h about 32 km.
12	20 57 00.5	36.3 N.	69.0 E.	Tadzhik S. S. R.-Afghanistan border. h about 56 km. Mag. $6\frac{1}{2}$-$6\frac{3}{4}$.
12	23 58 46.3	7.3 S.	13.2 W.	Acension Island region. h about 33 km.
13	05 02 22.8	21.3 S.	174.7 W.	Tonga Islands region. h about 33 km.
13	08 07 50.3	47.8 N.	157.0 E.	Kurile Islands region. h about 33 km.
13	13 59 09.5	25.8 N.	109.6 W.	Gulf of California. h about 33 km.
13	14 35 03.2	11.7 N.	61.3 W.	Windward Islands. Felt on Trinidad and Tobago. h about 78 km.
14	00 33 22.5	39.4 N.	28.2 E.	Western Turkey. Slight damage at Balikesir and Bursar. h about 38 km.
14	11 11 56.4	51.4 S.	146.3 E.	South of Tasmania. h about 33 km.
14	13 17 00.8	41.8 N.	111.7 W.	Northern Utah. h about 40 km.
14	13 55 47.6	10.5 N.	84.7 W.	Costa Rica. h about 33 km.
14	15 52 41.2	17.9 S.	176.5 E.	Fiji Islands region. h about 33 km.
14	17 10 00.122			37°02'38" N., 116°01'16" W. Nevada Test Site. HYRAX. Shot elevation = 1005.2 meters (AEC).
14	17 18.0			HYRAX collapse.
14	17 23 13.4	26.6 S.	178.5 W.	South of Fiji Islands. h about 449 km.
14	18 17 52.1	19.9 S.	177.6 W.	Tonga Islands region. h about 350 km.
15	00 55 41.0	13.3 N.	141.9 E.	Mariana Islands. h about 45 km.
15	08 02 13.9	74.4 N.	51.5 E.	Novaya Zemlya. h about 0 km.

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Date 1962	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
Sept.	h m s	°	°	
15	11 18 22.9	20.4 S.	68.2 W.	Southern Bolivia. h about 33 km.
15	22 50 47.2	48.5 N.	156.9 E.	Kurile Islands region. h about 33 km. Mag. 6½.
16	03 05 34.4	19.4 N.	103.2 W.	Jalisco, Mexico. h about 111 km. Mag. 4¾-5 (Pal).
16	05 36 15.7	35.8 N.	118.1 W.	Kern County, California. Rock slides in road. Felt at Bakersfield, Fresno and Los Angeles. h about 10 km. Mag. 4.8.
16	10 59 10.5	74.2 N.	51.6 E.	Novaya Zemlya. h about 0 km. Mag. 4¾-5 (Pal).
16	11 37 11.1	36.0 N.	117.7 W.	Inyo County, California. h about 33 km.
16	12 59 17.7	51.2 N.	177.0 E.	Rat Islands, Aleutian Islands. h about 33 km.
16	19 06 32.3	16.9 N.	94.2 E.	Near coast of Burma. h about 50 km.
16	22 45 10.8	22.8 N.	123.5 E.	Near east coast of Taiwan. h about 33 km.
17	01 10 18.7	64.3 N.	149.3 W.	Alaska. h about 63 km.
17	04 59 51.5	17.7 S.	178.6 W.	Fiji Islands. h about 576 km.
17	15 46 45.9	66.1 N.	153.9 W.	Alaska. h about 53 km.
17	16 31 17.9	23.5 N.	121.7 E.	Near east coast of Formosa. h about 33 km.
17	17 55 47.0	21.1 S.	179.1 W.	Fiji Islands region. h about 626 km.
17	19 44 50.2	41.4 N.	21.1 E.	Southern Yugoslavia. Felt at Bitola and Ohrid. h about 47 km.
18	00 29 05.5	7.4 N.	82.3 W.	Near south coast of Panama. Slight damage in Chiriqui Province. h about 33 km. Mag. 7.
18	02 39 40.0	7.7 N.	82.1 W.	Near south coast of Panama. h about 33 km.
18	03 16 57.1	7.8 N.	82.3 W.	Near south coast of Panama. h about 33 km.
18	03 22 25.1	7.5 N.	82.2 W.	Near south coast of Panama. h about 33 km.
18	04 55 14.8	7.2 N.	82.7 W.	Near south coast of Panama. h about 27 km.
18	05 13 35.9	7.4 N.	82.2 W.	Near south coast of Panama. h about 23 km.
18	05 23 05.2	36.5 N.	69.0 E.	Hindu Kush. h about 47 km.
18	06 10 26.3	2.3 N.	126.9 E.	Molucca Passage. h about 33 km.
18	08 29 02.3	73.2 N.	55.7 E.	Novaya Zemlya. h about 0 km.
18	12 19 44.3	26.4 N.	96.6 E.	Eastern India-northern Burma border. h about 76 km.
18	20 11 49.5	20.9 S.	169.8 E.	Loyalty Islands region. h about 101 km.
18	21 46 41.6	15.3 S.	176.5 W.	Tonga Islands region. h about 33 km.
18	22 03 16.5	16.3 S.	173.8 W.	Tonga Islands region. h about 46 km.
19	00 06 58.7	42.0 N.	132.9 E.	Sea of Japan. h about 436 km.
19	01 22 35.5	52.3 N.	173.4 W.	Andreanof Islands, Aleutian Islands. h about 33 km.
19	01 42 15.3	7.9 N.	81.6 W.	Near south coast of Panama. h about 33 km.
19	05 07 39.1	48.1 N.	145.1 E.	Near east coast of Sakhalin. h about 466 km.
19	07 28 41.2	30.2 N.	50.3 E.	Southern Iran. h about 34 km.
19	07 48 35.2	11.5 N.	141.0 E.	Mariana Islands region. h about 61 km.
19	11 00 56.4	73.8 N.	53.8 E.	Novaya Zemlya. h about 0 km. Mag. 5-5¼ (Pal).
19	18 06 42.7	10.1 S.	120.3 E.	Sumba. h about 33 km.
20	06 03 23.7	4.5 S.	80.5 W.	Near coast of northern Peru. h about 17 km.

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Date 1962	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
Sept.	h m s	°	°	
20	06 16 30.4	30.3 N.	132.3 E.	Near south coast of Kyushu, Japan. h about 59 km.
20	09 25 26.7	15.5 S.	76.1 W.	Near coast of southern Peru. h about 33 km.
20	16 38 24.8	4.6 S.	139.5 E.	Western New Guinea. h about 33 km.
20	17 00 00.122			37°03'18" N., 116°01'45" W. Nevada Test Site. PEBA Shot elevation = 1097.8 meters (AEC).
21	00 56 41.6	8.0 N.	126.4 E.	Near east coast of Mindanao, Philippine Islands. h about 146 km.
21	02 26 18.5	53.7 N.	160.3 E.	Near east coast of Kamchatka. h about 147 km.
21	05 04 28.6	51.4 N.	178.0 W.	Andreanof Islands, Aleutian Islands. h about 33 km.
21	06 01 40.4	17.6 S.	178.9 W.	Fiji Islands. h about 600 km.
21	08 44 11.0	21.2 S.	179.0 W.	Fiji Islands region. h about 624 km.
21	09 08 45.7	51.4 N.	178.3 W.	Andreanof Islands, Aleutian Islands. h about 33 km.
21	14 54 51.0	17.7 S.	178.7 W.	Fiji Islands region. h about 536 km.
21	22 38 50.4	57.8 S.	64.7 W.	Drake Passage. h about 33 km.
22	03 38 29.9	51.1 N.	177.9 E.	Rat Islands, Aleutian Islands. h about 33 km.
22	06 44 04.9	24.3 S.	67.1 W.	Salta Province, Argentina. h about 168 km.
22	06 51 32.3	26.5 N.	97.0 E.	India-Burma border region. h about 33 km. Mag. 6 (Pal).
22	08 06 31.6	36.3 N.	69.0 E.	Hindu Kush. h about 71 km.
22	16 02 40.2	2.5 S.	126.9 E.	Ceram Sea. h about 28 km.
22	16 45 31.0	15.5 S.	73.1 W.	Near coast of southern Peru. h about 137 km.
22	18 00 57.7	41.1 N.	142.8 E.	Off south coast of Hokkaido, Japan. h about 59 km.
23	06 59 49.9	23.7 S.	179.9 E.	Fiji Islands region. h about 549 km.
23	07 01 45.7	4.9 S.	151.9 E.	New Britain. Felt at Rabaul and Karlai. h about 71 km.
23	11 49 53.5	14.7 N.	45.1 W.	North Atlantic Ocean. h about 33 km.
23	12 02 34.7	14.7 N.	45.7 W.	North Atlantic Ocean. h about 33 km.
23	12 24 13.6	25.9 N.	128.6 E.	Ryukyu Islands. h about 162 km.
23	15 50 46.4	60.1 N.	151.2 W.	Kenai Peninsula, Alaska. Felt at Homer, Kasilof, and Seward. h about 86 km.
23	20 41 28.3	35.5 N.	23.3 E.	Near west coast of Crete. h about 38 km.
24	03 26 44.1	44.5 N.	80.2 E.	Kazakh S. S. R.-Sinkiang Province, China border region. h about 70 km.
24	05 28 29.0	9.2 N.	126.7 E.	Near east coast of Mindanao, Philippine Islands. h about 57 km.
24	09 23 16.5	35.9 N.	139.6 E.	Central Honshu, Japan. Felt at Tokyo. h about 83 km.
24	13 56 46.1	23.6 S.	67.6 W.	Chile-Argentina border. h about 152 km.
24	14 22 42.4	7.7 N.	82.4 W.	Near south coast of Panama. h about 36 km.
24	14 38 22.4	42.8 N.	145.5 E.	Near east coast of Hokkaido, Japan. h about 33 km.
24	14 45 37.3	42.9 N.	145.3 E.	Near east coast of Hokkaido, Japan. h about 33 km.
24	15 15 04.3	36.4 N.	70.9 E.	Hindu Kush. h about 216 km.
24	22 01 13.4	0.2 N.	124.0 E.	Celebes. h about 171 km.
25	00 21 14.6	55.6 S.	124.3 W.	South Pacific Ocean. h about 67 km.

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Date 1962	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
Sept.	h m s	°	°	
25	02 37 20.1	34.0 N.	131.7 E.	Near south coast of Honshu, Japan. h about 33 km.
25	04 48 40.5	7.4 S.	35.1 E.	Central Tanganyika. h about 33 km.
25	07 30 09.3	24.0 S.	176.6 W.	Tonga Islands region. h about 33 km.
25	10 22 45.1	32.9 N.	137.8 E.	South of Honshu, Japan. h about 325 km.
25	13 02 31.7	73.7 N.	55.0 E.	Novaya Zemlya. h about 0 km. Mag. 5¼-5½ (Pal).
25	14 49 46.9	11.7 N.	138.6 E.	Mariana Islands. h about 33 km.
25	18 27 03.0	3.6 S.	128.3 E.	Near south coast of Ceram. h about 33 km.
26	01 26 41.5	1.0 N.	27.6 W.	Mid-Atlantic Ocean. h about 33 km.
26	02 21 52.1	61.8 N.	151.6 W.	Central Alaska. h about 61 km.
26	02 53 29.9	46.5 N.	153.0 E.	Kurile Islands. h about 51 km.
26	05 07 15.2	44.9 N.	112.6 W.	Southwestern Montana. h about 33 km.
26	12 44 48.9	27.5 S.	176.4 W.	Kermadec Islands region. h about 33 km.
26	12 47 30.4	1.5 S.	80.9 W.	Near coast of central Ecuador. h about 33 km.
26	13 24 30.1	18.7 N.	145.4 E.	Mariana Islands. h about 201 km.
26	15 42 08.2	18.3 S.	70.9 W.	Off coast of northern Chile. h about 93 km.
26	21 26 31.4	51.2 N.	176.3 W.	Andreanof Islands, Aleutian Islands. h about 33 km.
27	06 48 52.8	31.3 S.	68.6 W.	San Juan Province, Argentina. h about 123 km.
27	06 53 35.6	48.1 S.	34.2 E.	Prince Edward Islands region. h about 33 km.
27	07 50 28.3	17.9 S.	64.9 W.	Central Bolivia. h about 120 km.
27	08 03 16.4	74.3 N.	52.4 E.	Novaya Zemlya. h about 0 km. Mag. 5¼-5½ (Pal).
27	09 18 29.7	42.0 N.	142.4 E.	Near south coast of Hokkaido, Japan. h about 99 km.
27	12 30 59.9	18.7 S.	69.7 W.	Chile-Peru-Bolivia border region. h about 108 km.
27	12 56 18.6	4.6 S.	104.4 E.	Sumatra. h about 144 km.
27	13 07 57.8	18.6 N.	121.8 E.	Near coast of northern Luzon, Philippine Islands. h about 80 km.
27	13 25 05.6	17.6 S.	178.9 W.	Fiji Islands. h about 507 km.
27	18 26 50.5	3.9 S.	151.3 E.	New Britain region. Felt at Doilene. h about 33 km.
28	02 15 32.6	16.7 S.	167.5 E.	New Hebrides Islands. Felt at Lamap and Norsup. h about 50 km.
28	03 35 20.3	17.5 S.	178.8 W.	Fiji Islands region. h about 584 km.
28	05 16 20.7	44.0 N.	149.6 E.	Kurile Islands region. h about 33 km.
28	05 34 12.5	54.7 N.	161.7 W.	Alaska Peninsula region. h about 33 km.
28	06 13 12.3	4.4 S.	102.8 E.	Sumatra. h about 86 km.
28	18 56 06.4	5.2 N.	76.2 W.	Western Colombia. Felt. h about 106 km.
28	22 14 52.7	13.8 S.	76.7 W.	Near coast of central Peru. h about 61 km.
29	05 21 49.6	20.0 S.	68.0 W.	Southern Bolivia. h about 26 km.
29	06 21 17.9	39.8 N.	20.3 E.	Greece-Albania border region. Felt. h about 33 km.
29	06 53 56.6	28.2 N.	57.4 E.	Southern Iran. h about 50 km.
29	07 58 20.7	17.1 S.	70.5 W.	Near coast of southern Peru. h about 33 km.
29	15 17 47.6	27.1 S.	63.5 W.	Santiago del Estero Province, Argentina. h about 577 km. Mag. 6½.

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Date 1962	Origin Time G. C. T.	Lat.	Long.	Region, Remarks and Focal Depth
Sept.	h m s	°	°	
29	17 00 00.152			37°07'00" N., 116°01'58" W. Nevada Test Site. ALLEGHENY. Shot elevation = 1084.2 meters (AEC).
29	20 42 24.8	14.2 S.	168.2 E.	New Hebrides Islands region. h about 198 km.
30	06 05 04.5	37.9 N.	72.9 E.	Tadzhik S. S. R. h about 147 km.
30	06 44 00.4	13.5 N.	146.2 E.	Mariana Islands region. h about 94 km.
30	10 48 10.3	5.2 S.	152.7 E.	New Britain. Felt at Rabaul, Doilene and Karlai. h about 33 km.
30	10 58 37.0	5.9 S.	151.0 E.	Near south coast of New Britain. Felt at Rabaul, Doilene and Karlai. h about 50 km.
30	21 57 24.8	18.6 N.	120.9 E.	Near north coast of Luzon, Philippine Islands. Felt at Vigan, Aparri and Laoag. h about 51 km.

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Date and Station		Phase	(GCT) h m s
September 1			
HHM	e(P)		02 29 20
September 1			
FGU	iP		03 04 03
	iS		04 29
September 1			
BCN	iP		03 54 43
	e		55 06
BOZ	iP		03 54 15
	i		54 29
	i		54 46
	i		55 10
	eS		04 00 45
	eScS		04 17
BUT	iP		03 54 07
	i		54 21
	eScP		59 42
	eS		04 00 31
	iScS		04 14
COL	iP		03 50 52
	eS		54 36
	eScP		58 33
	iScS		02 36
CSC	iP		03 57 12
	eS		04 06 16
EUR	iP		03 54 21
FGU	iP		03 54 45
GCA	eP		03 54 53
HON	iP		03 52 46
	i(PP)		53 59
	iS		58 18
	iL		04 00 15
HHM	iP		03 53 50
	eS		04 00 02
KIP	iP		03 52 51
	i		53 08
	eT		04 28 38
RCD	iP		03 54 58
SLC	iP		03 54 34
SJP	iP		03 59 03
	eS		04 09 52
TUC	iP		03 55 20
	e(S)		04 02 51
	eL		04 55
TUT	iP		03 55 20
UKI	eP		03 53 49
WAS	eP		03 56 48

Date and Station		Phase	(GCT) h m s
September 1			
BCN	iP		04 07 00
BOZ	eP		04 06 31
BUT	e(P)		04 06 23
COL	iP		04 03 09
	e		07 12
EUR	iP		04 06 37
FGU	eP		04 07 00
HHM	eP		04 06 06
SJP	eP		04 11 19
TUC	iP		04 07 35
TUT	iP		04 07 36
September 1			
BCN	eP		04 50 19
BOZ	iP		04 49 51
	ipP		50 05
BUT	iP		04 49 42
	ipP		49 54
	i(PP)		51 13
	e		52 39
	eScP		55 18
	eS		56 01
	eScS		59 48
COL	iP		04 46 28
	eS		50 40
	i		51 28
CSC	eP		04 52 47
EUR	iP		04 49 46
FGU	eP		04 50 20
GCA	eP		04 50 28
HON	iL		04 57 32
HHM	iP		04 49 25
	iS		05 06 04
	iL		07 19
KIP	iP		04 48 26
	iT		05 24 19
RCD	iP		04 50 33
SLC	eP		04 50 09
SJP	iP		04 54 38
	i(pP)		54 52
	eS		05 05 27
TUC	iP		04 50 55

Date and Station		Phase	(GCT) h m s
September 1			
TUT	iP		04 50 55
UKI	e(P)		04 49 26
	e		50 34
September 1			
BCN	iP		05 04 44
	epP		05 05 43
	ePP		08 17
BOZ	eP		05 05 11
	epP		06 09
	ePP		09 01
BUT	iP		05 05 05
	ePP		08 52
	e		12 04
	eS		15 18
	i(sS)		17 11
COL	iP		05 04 33
	epP		08 27
	eS		14 48
	eP'P'		30 14
CSC	eP'		05 10 28
EUR	iP		05 04 46
	ipP		05 45
	iPP		07 48
	e(PKKP)		05 23 06
	eP'P'		30 25
FGU	iP		05 05 09
	ipP		06 09
GCA	eP		05 04 57
	epP		05 57
HON	iP		05 00 43
	iS		07 34
	iL		12 40
HHM	iP		05 05 03
	i		07 18
KIP	iP		05 00 44
	eT		42 11
SLC	eP		05 05 01
	epP		06 01
	ePP		08 47
SJP	iP'		05 10 52
	ePP		12 59
	eSKP		13 47
	e		14 12
	eSKS		17 34
TUC	iP		05 04 53
	ipP		05 56
	ePP		08 35
TUT	iP		05 04 53
UKI	iP		05 04 23
	ipP		05 22
	e		07 39

Date and Station		Phase	(GCT) h m s
September 1			
COL	eP		06 47 11
EUR	eP		06 50 42
September 1			
BOZ	e(P)		07 50 17
COL	iP		07 46 55
EUR	iP		07 50 23
FGU	e(P)		07 50 37
HHM	eP		07 49 52
SJP	eP		07 55 05
September 1			
BCN	eP		07 59 44
	eS		08 06 42
BOZ	eP		07 59 16
	epP		59 33
	e		08 03 05
	eS		05 51
	eScS		09 17
BUT	iP		07 59 08
	ipP		59 24
	e		08 00 52
	eScP		04 42
	iS		08 05 31
	iScS		09 15
COL	iP		07 55 53
	iS		59 52
	eScP		08 03 32
	eScS		07 16
CSC	eP		08 02 13
	eS		11 18
EUR	iP		07 59 22
	eS		08 06 00
FGU	eP		07 59 45
GCA	eP		07 59 57
HON	iP		07 57 52
	iPP		59 00
	iS		08 03 20
	iL		05 11
HHM	iP		07 58 51
	eS		08 04 59
KIP	iP		07 57 52
	eT		08 33 33
RCD	iP		07 59 59
SLC	eP		07 59 35
SJP	iP		08 04 04

Date and Station		Phase (GCT)
		h m s
TUC	iP	08 00 22
	eL	08 16 13
TUT	iP	08 00 21
UKI	eP	07 58 50
	ipP	59 05
WAS	eP	08 01 48
September 1		
BOZ	eP	08 55 17
COL	eP	08 51 53
	e(S)	57 18
EUR	iP	08 55 22
	e	09 00 11
HHM	eP	08 54 50
SJP	eP	09 00 04
September 1		
EUR	eP	09 54 42
FGU	iP	09 54 04
	iS	54 31
Sept. 1		
COL	eP	10 07 36
EUR	eP	10 11 13
Sept. 1		
SLC	eP	11 06 50
September 1		
EUR	eP	11 53 46
Sept. 1		
COL	iP	15 13 42
	i	13 50
EUR	eP'	15 19 42
	ePKKP	30 15
September 1		
FGU	eP	16 10 49
	eS	11 16
September 1		
COL	eP'	18 18 43
September 1		
EUR	eP	18 26 57
September 1		
BHP	iP	19 35 32
	iPP	40 16
	ePKKP	50 04
BCN	e(P)	19 35 05
	eP'	39 22
	ePKKP	50 21
BOZ	eP C	19 34 12

Date and Station		Phase (GCT)
		h m s
BUT	eP	19 34 12
	eP'	38 07
	ePP	40 23
	i	44 56
	iS	46 54
COL	iP C	19 32 43
	iPP	35 42
	iPPP	37 02
	e	41 30
	iS	42 36
	i	43 24
	i	44 27
	i(SS)	47 51
	iPKKP	51 42
	e	57 32
	iP'P'	59 41
CSC	eP	19 34 11
	eP'	19 38 06
	e(S)	44 52
EUR	eP C	19 34 44
	eP'	37 50
	ePP	38 56
	ePKKP	50 05
FGU	e(P)	19 34 31
GCA	e(P)	19 34 52
GUA	eP	19 32 17
	ePP	35 44
	ePPP	36 43
HON	eP	19 35 46
	eP'	40 22
	iPP	40 42
	ePPP	42 57
	iSKS	46 42
	iPKKP	50 22
	iPPS	52 08
	e	53 30
	iSS	57 12
	iP'P'	20 00 44
	iL	08 48
HHM	eP C	19 34 03
	i	34 15
	ePP	36 58
	eS	19 45 17
KIP	eP'	19 39 52
	ePP	40 58
RCD	iP	19 34 11
SLC	e(P)	19 34 34
	e	37 31
SJP	eP	19 34 19
	e(S)	45 06
SIT	eP	19 33 28
	iPP	37 00
	eS	44 18
	e	45 21

Date and Station		Phase (GCT)
		h m s
TUC	eP	19 35 11
	eP'	38 54
	i	39 42
	iPKKP	50 18
	e	20 04 42
THU	iP C	19 30 56
	ePP	33 24
	ePPP	34 51
UKI	eP'	19 39 04
	iPPP	41 37
WAS	iP	19 33 43
September 1		
COL	iP	20 38 42
September 1		
SJP	iP	21 17 54
September 1		
EUR	eP	22 16 02
September 1		
FGU	eP	22 24 23
	eS	24 50
September 1		
COL	eP	23 03 24
September 1		
EUR	eP	23 38 12
September1		
EUR	eP	23 53 09
THU	e(P)	23 49 15
September 2		
EUR	e(P)	01 32 52
September 2		
BCN	iP	03 11 07
BOZ	iP	03 10 39
BUT	iP	03 10 30
COL	iP	03 07 16
	e	11 27
CSC	eP	03 13 36
EUR	iP	03 10 44
FGU	eP	03 11 08
GCA	eP	03 11 17
HHM	iP	03 10 13
RCD	iP	03 11 52
SLC	eP	03 10 58
SJP	iP	03 15 26

Date and Station		Phase (GCT)
		h m s
TUC	iP	03 11 43
TUT	iP	03 11 44
September 2		
EUR	e(P)	04 45 24
September 2		
BOZ	e(P)	05 46 00
BUT	e(P)	05 45 56
COL	eP	05 43 30
EUR	eP	05 46 06
GUA	e(P)	05 37 51
HHM	eP	05 45 44
September 2		
COL	eP	06 25 52
EUR	eP	06 26 24
September 2		
COL	eP	07 24 05
September 2		
EUR	eP	07 57 06
September 2		
COL	eP	08 32 41
EUR	eP	08 33 12
September 2		
EUR	eP	09 41 07
FGU	eP	09 40 10
	eS	40 47
HHM	e(P)	09 40 38
	e(S)	41 59
RCD	eP	09 39 59
September 2		
COL	eP	13 33 27
September 2		
ALQ	eP	14 59 12
EUR	eP	14 57 20
TUC	eP	14 59 00
September 2		
ALQ	eP'	15 40 57
BOZ	eP'	15 40 55
BUT	eP'	15 40 54
CSC	eP'	15 41 40
EUR	eP'	15 40 59

Date and Station		Phase (GCT) h m s
September 2		
EUR	eP'	15 57 47
September 2		
EUR	eP	16 24 14
SJP	iP	16 20 41
September 2		
FGU	iP	16 37 30
	eS	37 54
September 2		
EUR	eP	17 22 31
September 2		
COL	iP	19 59 46
September 2		
COL	eP	21 06 50
EUR	eP	21 10 41
September 2		
COL	eP	21 56 15
EUR	eP	21 59 44
September 2		
FGU	iP	22 30 24
	eS	30 54
September 2		
GCA	e(P)	22 38 36
	eS	38 50
September 2		
FGU	iP	23 19 54
	eS	20 18
September 2		
COL	eP	23 21 04
EUR	eP	23 23 53
September 2		
FGU	eP	23 54 22
	eS	56 05
September 3		
CSC	eP'	00 15 33
EUR	iP'	00 14 45
FGU	eP'	00 14 52
September 3		
COL	eP	00 54 08
September 3		
FGU	eP	01 00 16
	eS	00 48
September 3		
COL	iP	01 10 10

Date and Station		Phase (GCT) h m s
September 3		
COL	eP	02 20 32
September 3		
SIT	eP	04 06 16
September 3		
ALQ	eP	04 52 17
COL	eP	04 52 13
EUR	eP	04 52 37
September 3		
GUA	eP	05 18 07
September 3		
COL	eP	08 08 15
EUR	eP	08 07 41
September 3		
BUT	eP	08 54 46
September 3		
FGU	e(P)	09 31 52
September 3		
FGU	eP	10 06 42
	iS	07 07
September 3		
COL	e(P)	11 10 16
September 3		
COL	eP	12 58 21
September 3		
FGU	eP	13 31 14
	eS	31 41
September 3		
COL	iP	16 59 48
September 3		
BUT	eP	17 02 29
EUR	eP	17 02 38
FGU	eP	17 02 26
HHM	e(P)	17 02 16
September 3		
CSC	e(P)	17 24 13
September 3		
COL	iP	19 18 46
September 3		
EUR	eP	19 46 35
FGU	eP	19 45 36
	iS	46 03
September 3		
COL	eP	20 45 49
September 3		
EUR	eP	21 22 06

Date and Station		Phase (GCT) h m s
September 3		
TUC	e(P)	21 20 30
September 3		
COL	iP'	22 25 51
	i	25 59
September 3		
COL	eP	23 49 20
EUR	eP	23 52 18
September 4		
COL	eP	02 03 05
September 4		
FGU	eP	03 03 59
	eS	04 24
September 4		
EUR	eP	03 54 16
FGU	e(P)	03 53 49
September 4		
FGU	eP	06 49 27
September 4		
COL	iP	08 20 57
	i	21 05
	i(S)	21 30
September 4		
BOZ	eP	08 39 34
COL	e(P)	08 41 35
EUR	iP	08 39 09
FGU	e(P)	08 38 44
RCD	e(P)	08 39 38
TUC	eP	08 38 24
September 4		
FGU	e(P)	10 32 26
	eS	33 02
September 4		
GUA	e(P)	10 50 13
September 4		
COL	e(P)	11 42 40
EUR	eP	11 47 02
September 4		
COL	iP	13 42 14
	i	42 17
EUR	e(P)	13 44 14
September 4		
FGU	eP	13 57 15
	eS	57 43
September 4		
FGU	eP	15 01 44
	eS	02 05

Date and Station		Phase (GCT) h m s
September 4		
BCN	eP	15 23 59
COL	eP	15 23 18
EUR	eP	15 23 47
September 4		
BCN	iP	15 23 28
BOZ	e(P)	15 24 13
	epP	24 52
	ePP	25 08
BUT	e(P)	15 24 58
COL	iP	15 27 44
	ipP	28 24
	isP	28 40
	iScP	32 08
CSC	eP	15 22 12
EUR	iP	15 23 55
	ipP	24 31
	iS	30 06
FGU	iP	15 23 33
HHM	eP	15 24 42
	epP	25 16
	iS	30 26
SJP	eP	15 22 49
	ipP	23 25
	iPP	23 38
Sept. 4		
FGU	eP	15 57 01
	eS	57 27
September 4		
ALQ	iP	17 21 02
BCN	e(P)	17 19 32
	e L	22 12
BOZ	eP	17 20 00
	e(S)	22 59
	eL	23 15
BUT	iP	17 19 48
	i	20 27
	iS	22 44
COL	iP	17 23 12
EUR	iP	17 19 02
FGU	eP	17 20 06
GCA	eP	17 20 02
HHM	iP	17 19 54
	eS	22 07
RCD	iP	17 21 05

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Date and Station		Phase (GCT)
		h m s
SLC	iP	17 19 43
	eS	22 29
SJP	iP	17 26 52
SIT	e(P)	17 21 32
TUC	i(P)	17 20 51
UKI	i(P)	17 17 59
	i	18 10
	i(S)	18 20
	eL	18 49
September 4		
COL	eP	19 41 05
EUR	eP	19 41 21
September 4		
BOZ	e(P)	21 55 41
BUT	e(P)	21 55 43
COL	iP	21 57 29
	i	57 38
EUR	eP	21 56 05
FGU	eP	21 55 28
SJP	eP	21 50 22
September 4		
BOZ	eP	23 12 27
COL	iP	23 11 01
HHM	eP	23 12 19
September 4		
FGU	eP	23 35 28
	eS	35 48
September 4		
FGU	iP	23 45 50
	iS	46 24
September 5		
CSC	e(P)	00 20 30
	i	20 34
EUR	e(P)	00 24 45
September 5		
GCA	e(P)	03 30 28
	e	30 34
September 5		
FGU	eP	03 45 08
	eS	45 34
September 5		
FGU	eP	04 33 07
	eS	33 33
September 5		
EUR	eP	04 38 47

Date and Station		Phase (GCT)
		h m s
HHM	e(P)	04 38 38
	e	40 42
September 5		
GUA	eP	05 55 43
September 5		
EUR	eP	06 47 55
SJP	eP	06 42 14
September 5		
BCN	eP	08 45 56
BOZ	e(P)	08 45 23
BUT	iP	08 45 15
COL	iP	08 41 49
EUR	iP	08 45 34
FGU	e(P)	08 45 52
HHM	e(P)	03 44 56
RCD	iP	08 45 59
SLC	eP	08 45 43
TUC	eP	08 46 28
TUT	iP	08 46 29
September 5		
EUR	iP	10 19 32
September 5		
COL	iP	10 55 38
EUR	iP	10 58 46
September 5		
COL	eP	11 29 32
	ipP	30 00
	e(S)	39 25
	e	45 51
EUR	eP	11 30 55
	ePP	35 01
	ePKKP	48 47
HON	iP	11 27 41
	ipP	28 08
KIP	iP	11 27 42
	ipP	28 08
SJP	eP'	11 36 47
	ipP'	37 12
September 5		
COL	iP	13 37 05
GUA	eP	13 30 30
September 5		
EUR	e(P')	14 28 39

Date and Station		Phase (GCT)
		h m s
GUA	e(P)	14 16 32
September 5		
EUR	eP	14 38 09
September 5		
EUR	eP	16 02 28
September 5		
BCN	eP	16 05 49
	i	06 02
	eS	07 10
BOZ	iP	16 05 48
BUT	iP	16 05 53
COL	iP	16 10 54
	i	11 04
	i	11 17
EUR	iP	16 05 20
	iS	06 10
GCA	eP	16 05 28
HHM	iP	16 06 25
	e(S)	08 21
RCD	eP	16 06 16
	i	06 18
SLC	iP	16 04 32
TUC	eP	16 06 38
	i(S)	08 56
	iL	09 01
TUT	eP	16 06 35
September 5		
GUA	eP	17 13 33
September 5		
COL	iP	17 58 32
	i	59 28
EUR	eP	18 02 49
September 6		
FGU	eP	03 06 19
	eS	06 44
September 6		
COL	iP	05 47 27
September 6		
ALQ	eP	06 58 56
EUR	eP	06 59 40
TUC	eP	06 58 57
TUT	eP	06 58 56
September 6		
EUR	iP	07 28 03

Date and Station		Phase (GCT)
September 6		h m s
EUR	e(P)	08 34 04
September 6		
ALQ	eP	11 01 27
BCN	eP	11 01 01
COL	iP	11 01 40
EUR	eP	11 01 07
TUC	eP	11 02 05
September 6		
COL	eP	11 23 56
EUR	eP'	11 29 29
FGU	eP'	11 29 35
TUC	eP'	11 29 55
September 6		
COL	iP	12 22 05
September 6		
ALQ	eP	13 44 22
COL	iP	13 49 26
	i	50 01
EUR	eP	13 45 38
FGU	eP	13 45 18
TUC	eP	13 44 28
TUT	eP	13 44 28
September 6		
BCN	e(P)	14 45 12
September 6		
COL	iP	15 15 17
	ipP	15 42
	isP	16 00
EUR	iP	15 16 01
	ipP	16 27
SJP	eP'	15 22 12
September 6		
ALQ	iP	17 00 50
	e	01 27
	i	01 32
BCN	eP	17 00 28
COL	eP	17 06 45
EUR	iP	17 00 41
FGU	eP	17 01 39
	i	02 00
GCA	eP	17 00 58
	i	01 05

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Date and Station		Phase	(GCT) h m s
SLC		eP	17 01 20
September 6			
COL		eP	17 10 08
		e	16 25
EUR		eP	17 12 59
September 6			
BUT		e(P)	17 50 34
COL		eP	17 47 50
EUR		eP	17 50 40
September 6			
EUR		eP	18 19 22
September 6			
EUR		eP	19 00 04
HHM		e(P)	19 00 36
		e	01 29
September 6			
GUA		eP	21 21 38
		eS	21 55
September 6			
ALQ		eP	21 30 08
		eS	30 41
September 6			
ALQ		eP	22 00 08
		eS	00 43
September 7			
FGU		eP	01 05 40
		eS	06 00
September 7			
FGU		eP	02 22 50
		eS	23 07
September 7			
COL		iP	02 31 13
		e	31 27
September 7			
FGU		iP	02 51 18
		iS	51 46
September 7			
FGU		eP	05 03 36
		eS	04 04
September 7			
BHP		iP	05 54 11
		iS	55 08
September 7			
COL		eP	07 39 40
		e	42 13
September 7			
ALQ		iP'	08 00 25
COL		iP	07 54 41
		e	54 59
		epP	55 27
EUR		e(P)	07 56 17
		eP'	08 00 09
FGU		eP'	07 00 17
RCD		iP'	08 00 23
SJP		iP'	08 01 30
		ipP'	02 13
TUC		eP'	08 00 18
TUT		eP'	08 00 19
September 7			
EUR		eP	08 31 32
September 7			
EUR		eP	08 48 18
		eL	49 21
FGU		eP	08 47 50
		eS	48 11
SLC		eP	08 47 30
RCD		e(P)	08 49 15
September 7			
BCN		e(P)	11 14 13
September 7			
COL		iP	12 12 46
EUR		eP	12 15 32
September 7			
COL		eP	12 20 32
		e	21 37
EUR		eP	12 23 22
FGU		eP	12 23 40
September 7			
COL		iP	12 47 23
		i	47 29
September 7			
COL		iP	12 51 12
		i	51 24
September 7			
FGU		iP	13 53 40
		eS	54 04
September 7			
FGU		eP	14 10 52
		eS	11 16
September 7			
ALQ		eP	16 51 54
		i	52 15
		iS	53 29
EUR		iP	16 51 30
FGU		iP	16 51 02
SLC		iP	16 50 44
September 7			
EUR		eP	18 40 55
September 7			
EUR		eP	19 09 00
September 7			
COL		e(P)	19 49 37
September 7			
HHM		eP	22 41 01
		eS	43 01
September 7			
HHM		e(P)	22 58 42
		eS	59 18
September 7			
FGU		e(P)	23 24 21
		eS	24 41
September 7			
BCN		eP	23 40 36
		e(S)	40 52
		iL	42 01
BOZ		e(P)	23 41 02
BUT		iP	23 40 56
		iL	42 08
EUR		iP	23 39 41
		iS	40 07
FGU		eP	23 40 37
GCA		e(P)	23 39 42
		eL	41 01
HON		iP	23 46 47
KIP		eP	23 46 48
SLC		eP	23 40 06
September 7			
COL		iP	23 50 39
EUR		iP	23 50 08
September 8			
COL		iP	00 04 24
		i	04 48
EUR		eP	00 05 07
		i	05 33
September 8			
FGU		eP	00 40 36
		eS	41 02
September 8			
EUR		eP	01 07 28
September 8			
ALQ		eP	04 24 55
EUR		eP	04 25 33
FGU		eP	04 25 28
September 8			
COL		iP	04 49 04
EUR		eP	04 51 54
September 8			
ALQ		e(P)	05 33 03
		e	33 20
		eS	34 03
September 8			
EUR		e(P)	06 00 56
September 8			
HHM		eP	06 30 38
		eS	31 22
September 8			
BCN		eP	07 40 02
COL		iP	07 40 08
EUR		iP	07 40 06
September 8			
BUT		eP	10 28 09
COL		iP	10 25 43
EUR		iP	10 28 53
TUC		eP	10 29 37
September 8			
ALQ		eP	13 11 44
BCN		e(P)	13 12 38
BOZ		e(P)	13 12 34
BUT		iP	13 12 41
		i	12 49
COL		iP	13 15 06
CSC		e(P)	13 09 06
EUR		eP	13 12 48

Date and Station		Phase (GCT)
		h m s
FGU	eP	13 12 13
HHM	eP	13 12 53
RCD	eP	13 11 48
SJP	iP	13 04 57
	eS	06 00
SLC	e(P)	13 12 27
September 8		
CSC	eP	13 48 21
	i	48 32
September 8		
GUA	e(P)	14 18 19
September 8		
EUR	eP	17 04 49
FGU	iP	17 04 25
	iS	04 46
September 8		
EUR	eP	17 53 06
September 8		
ALQ	eP	18 15 43
September 8		
FGU	eP	22 26 32
	eS	26 50
September 9		
COL	iP	00 10 50
September 9		
EUR	eP	01 27 56
September 9		
COL	iP	01 46 48
EUR	eP'	01 52 50
SJP	eP'	01 54 25
September 9		
COL	iP	03 07 40
EUR	iP	03 07 21
FGU	eP	03 07 16
KIP	eP	03 03 19
TUC	iP	03 07 23
September 9		
ALQ	iP	03 31 49
	i(pP)	32 26
BCN	eP	03 32 25
	epP	33 03
BOZ	eP	03 32 58
	epP	33 25

Date and Station		Phase (GCT)
		h m s
BUT	eP	03 33 04
COL	iP	03 35 20
CSC	eP	03 30 41
	epP	31 06
EUR	iP	03 32 45
FGU	iP	03 32 30
	ipP	32 59
HHM	eP	03 33 18
RCD	iP	03 32 29
SLC	eP	03 32 37
SJP	eP	03 28 34
September 9		
EUR	eP	03 58 34
FGU	iP	03 58 08
	eS	58 32
September 9		
GUA	e(P)	05 54 41
September 9		
FGU	eP	09 37 38
	eS	38 10
September 9		
KIP	iP	09 51 40
September 9		
COL	eP	11 25 07
September 9		
COL	eP	11 35 55
September 9		
EUR	eP	11 45 47
FGU	eP	11 45 04
September 9		
COL	iP	11 56 41
EUR	e(P)	12 00 36
September 9		
COL	iP	12 13 38
EUR	eP	12 13 16
September 9		
EUR	eP	14 31 37
September 9		
BOZ	e(P)	14 39 15
BUT	eP	14 39 20
	i	39 26
	iL	40 19

Date and Station		Phase (GCT)
		h m s
EUR	iP	14 39 12
	iL	40 13
GCA	eP	14 39 24
HHM	e(P)	14 39 47
	eL	41 18
SLC	iP	14 38 30
September 9		
CSC	e(P)	14 50 30
EUR	eP	14 52 26
September 9		
COL	eP	15 26 10
EUR	eP	15 27 54
GUA	iP	15 16 27
	iS	17 20
September 9		
BCN	iP	16 37 52
	iS	38 25
	iL	38 30
EUR	eP	16 38 36
September 9		
WAS	e(P)	18 38 59
September 9		
ALQ	eP	19 20 04
	iPP	22 12
BCN	eP	19 19 28
BOZ	eP	19 18 32
BUT	e(P)	19 18 23
COL	iP	19 13 27
	i(S)	14 16
EUR	iP	19 18 58
	iPcP	21 47
	iScP	25 31
FGU	eP	19 19 11
HHM	eP	19 18 01
	ePcP	21 31
SLC	e(P)	19 19 03
TUC	eP	19 20 10
September 9		
TUC	e(P)	22 31 56
September 9		
EUR	eP	23 52 02
FGU	eP	23 51 51
	iS	52 22

Date and Station		Phase (GCT)
September 10		h m s
SJP	iP	00 05 10
September 10		
COL	eP	03 24 00
September 10		
FGU	eP	03 48 14
	e(S)	48 40
September 10		
SJP	iP	07 30 16
September 10		
EUR	e(P)	08 15 41
September 10		
EUR	eP	08 20 02
September 10		
EUR	eP	09 03 07
September 10		
COL	eP	09 42 13
September 10		
ALQ	e(P)	09 50 00
BOZ	eP	09 49 29
BUT	eP	09 49 29
COL	iP	09 48 35
CSC	eP	09 48 54
EUR	eP	09 50 02
FGU	e(P)	09 49 40
HHM	iP	09 49 23
RCD	iP	09 49 20
	i	49 48
	e	50 23
SLC	eP	09 49 49
SJP	eP	09 48 43
THU	iP	09 46 12
	i	46 22
UKI	e(P)	09 49 33
September 10		
TUC	eP	10 12 54
September 10		
COL	eP	13 55 35
EUR	iP	13 59 02
HHM	eP	13 58 31
September 10		
EUR	e(P)	14 37 03

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Date and Station		Phase (GCT) h m s
September 10		
ALQ	iP	15 55 48
	eSKS	16 05 18
	iS	05 49
BCN	iP	15 55 23
	iPcP	55 33
	epP	57 32
	eSKS	16 04 49
	iS	04 58
BOZ	iP	15 55 57
	epP	58 13
	iS	16 06 06
	eSP	06 49
	esS	08 14
	ePKKP	12 22
BUT	iP	15 55 54
	i	56 32
	ipP	58 10
	isPP	16 02 38
	iSKS	05 26
	iS	05 59
	eSP	07 08
	esS	09 47
	ePKKP	12 08
COL	iP	15 55 48
	eSKS	16 05 18
	eS	05 46
	esS	09 40
	eP'P'	21 30
EUR	iP	15 55 28
	ipP	57 43
	eS	16 05 06
	iPKKP	13 35
	eP'P'	24 03
FGU	iP	15 55 52
	eS	16 05 24
HON	iP	15 51 36
	isP	54 36
	ePcS	56 47
	iS	57 47
	iScS	16 00 31
	eSS	01 17
	eL	04 02
GUA	iP	15 51 54
	iScP	56 02
	eS	58 20
GCA	iP	15 55 36
HHM	iP	15 55 54
	eS	16 05 27
	ePKKP	13 20
KIP	iP	15 51 37
	iPcP	52 57
SLC	iP	15 55 43
SJP	i(P')	16 01 34
	iSKS	07 29
	iS	08 23
	iPKKP	12 02

Date and Station		Phase (GCT) h m s
UKI	iP	15 55 05
	ipP	57 21
	esP	58 04
	iSKS	16 04 21
	iS	04 41
TUC	iP	15 55 28
	i	55 46
	ipP	57 40
	esP	58 36
	iPP	58 46
	epPP	16 01 02
	esPP	01 50
	eSKS	05 56
	eS	16 06 06
	eP'P'	21 46
September 10		
COL	iP	17 15 01
	i	15 06
EUR	iP	17 18 29
September 10		
BCN	eP	18 01 08
BUT	eP	18 01 43
COL	iP	18 01 47
	i	02 05
EUR	iP	18 01 14
FGU	eP	18 01 40
HHM	e(P)	18 01 43
SLC	e(P)	18 01 36
September 10		
COL	eP	20 20 18
	e	20 24
EUR	iP	20 17 12
SJP	eP	20 17 31
September 10		
COL	eP	22 03 00
	e	03 14
EUR	eP	21 59 25
FGU	eP	21 59 02
	epP	59 40
GCA	eP	21 58 50
HHM	eP	22 00 06
SJP	eP	21 56 56
September 10		
COL	eP	22 58 38
September 11		
COL	eP	00 29 19

Date and Station		Phase (GCT) h m s
September 11		
GUA	e(P)	02 01 33
September 11		
COL	eP	02 36 41
EUR	eP	02 36 11
GCA	iP	02 36 21
September 11		
EUR	eP	04 16 40
September 11		
COL	iP	04 58 43
EUR	iP	05 02 10
FGU	eP	05 02 34
September 11		
COL	iP	06 07 50
September 11		
EUR	eP'	07 53 14
September 11		
COL	iP	07 56 34
	i	56 41
EUR	eP	07 59 21
September 11		
BHP	iP	08 15 44
	iS	16 06
September 11		
EUR	eP	08 49 58
FGU	eP	08 49 32
SJP	eP	08 44 22
September 11		
BCN	e(P)	10 12 20
EUR	e(P)	10 12 34
	iL	15 37
FGU	e(P)	10 13 26
GCA	e(P)	10 11 14
TUC	iP	10 10 36
	iS	12 19
	iL	12 24
September 11		
EUR	eP	11 14 10
RCD	e(P)	11 11 05
COL	eP	11 27 05
	e	30 28
September 11		
COL	eP	16 51 16

Date and Station		Phase (GCT) h m s
September 11		
ALQ	eP	17 30 44
	e	31 18
September 11		
ALQ	iP	18 04 11
BCN	eP	18 03 39
BOZ	eP	18 03 28
BUT	iP	18 04 22
EUR	iP	18 03 27
FGU	eP	18 03 46
GUA	e(P)	17 54 21
HHM	eP	18 03 12
	e	03 22
SLC	e(P)	18 03 38
September 11		
EUR	e(P)	19 59 26
September 11		
ALQ	iP	20 20 55
	e	21 14
EUR	eP	20 22 01
September 11		
COL	eP	22 07 25
September 11		
EUR	iP	22 20 03
FGU	iP	22 21 47
September 11		
FGU	e(P)	23 19 25
	eS	19 44
SLC	iP	23 19 13
September 11		
COL	iP	23 51 47
September 12		
GCA	e(P)	00 05 34
	e	05 40
September 12		
GCA	eP	00 47 39
	eS	48 32
September 12		
HHM	eP	02 03 13
September 12		
COL	eP	02 27 49
September 12		
COL	eP	03 38 06
September 12		
ALQ	eP	07 03 33

Date and Station		Phase (GCT)
		h m s
COL	e(P)	07 05 21
September 12		
COL	eP	09 53 44
September 12		
COL	eP	11 42 09
September 12		
ALQ	iP	12 39 00
	ePcP	39 30
	epP	39 40
BCN	iP	12 39 33
	epP	40 11
BOZ	eP	12 40 02
	epP	40 40
BUT	iP	12 40 08
	iPcP	40 35
	ipP	40 46
COL	e(P)	12 42 11
EUR	iP	12 39 49
	iPcP	40 00
	ipP	40 28
FGU	eP	12 39 38
	ipP	40 16
GUA	eP'	12 47 41
HHM	iP	12 40 20
SLC	e(P)	12 39 48
	epP	40 27
TUC	iP	12 39 03
	ipP	39 41
TUT	iP	12 39 03
	ipP	39 41
September 12		
RCD	iP	13 39 41
	e	40 07
	e	40 17
September 12		
COL	e(P)	13 55 47
EUR	eP	13 48 12
September 12		
HHM	eP	14 13 12
TUC	iP	14 14 54
September 12		
ALQ	iP	14 30 00
COL	eP	14 30 22
EUR	iP	14 28 53
FGU	eP	14 29 18

Date and Station		Phase (GCT)
September 12		h m s
ALQ	e(P)	15 19 42
	e	20 07
September 12		
EUR	eP	15 51 58
September 12		
ALQ	eP	17 37 32
COL	iP	17 35 44
September 12		
FGU	eP	18 27 13
	eS	27 45
September 12		
COL	iP	18 31 13
EUR	eP	18 32 25
GUA	e(P)	18 22 44
	eS	26 26
SJP	eP'	18 38 21
September 12		
COL	e(P)	19 05 29
EUR	eP	19 08 48
September 12		
GUA	iP	19 15 18
	eS	15 31
September 12		
FGU	eP	21 00 45
	eS	01 04
September 12		
ALQ	e(P)	21 11 24
	eP'	14 20
BOZ	eP C	21 10 34
	eP'	14 33
	eSKS	21 09
	eS	22 03
	eSP	22 53
BUT	iP C	21 10 32
	eP'	14 29
	e(S)	23 23
COL	iP C	21 08 38
	eS	18 12
EUR	iP C	21 11 02
	iP'	15 03
	iS	24 30
	iPKKP	26 47
	eP'P'	35 07
FGU	eP C	21 10 56
GUA	eP	21 08 11
HHM	eP C	21 10 21
THU	eP	21 07 31
	e	07 53
	iPP	09 42

Date and Station		Phase (GCT)
September 12		h m s
ALQ	iP	22 48 02
	i	48 31
September 12		
EUR	eP	23 46 51
FGU	eP	23 46 30
	eS	47 11
September 13		
GUA	iP	02 42 32
September 13		
GUA	iP	03 20 18
September 13		
EUR	eP	03 32 57
September 13		
EUR	eP	04 38 15
GCA	e(P)	04 37 34
	e(S)	37 50
September 13		
COL	iP	05 15 13
EUR	eP	05 14 39
FGU	eP	05 15 03
GCA	e(P)	05 14 38
September 13		
ALQ	eP	06 05 32
EUR	eP	06 06 46
FGU	eP	06 05 40
	eS	06 03
September 13		
COL	eP	07 01 12
September 13		
COL	eP	07 50 42
EUR	e(P)	07 53 02
September 13		
ALQ	iP	08 18 54
BCN	eP	08 18 19
BOZ	eP	08 17 51
BUT	eP	08 17 43
COL	iP	08 14 28
	i	14 38
EUR	iP	08 17 58
FGU	eP	08 18 17
HHM	eP	08 16 28
RCD	e(P)	08 18 27

Date and Station		Phase (GCT)
		h m s
SLC	e(P)	08 18 08
September 13		
COL	eP	09 13 19
EUR	e(P)	09 14 34
September 13		
ALQ	eP	12 18 14
September 13		
COL	eP	12 57 22
	i	59 32
EUR	eP	13 02 54
September 13		
BCN	e(R)	14 01 49
	eL	05 18
COL	eP	14 04 26
	e	07 34
EUR	iP	14 02 36
	e	06 53
FGU	e(P)	14 02 43
GCA	eP	14 01 54
TUC	eP	14 00 42
	iS	02 32
TUT	iP	14 00 43
September 13		
ALQ	eP	14 21 54
September 13		
ALQ	iP	14 43 28
	epP	43 47
	isP	44 10
BCN	eP	14 44 20
BOZ	eP	14 44 22
BUT	iP	14 44 30
	ipP	44 46
COL	iP	14 46 55
EUR	iP	14 44 31
FGU	e(P)	14 43 49
	epP	44 02
HHM	eP	14 44 42
SLC	e(P)	14 44 31
SJP	iP	14 37 02
	iS	38 37
TUT	eP	14 43 50

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Date and Station		Phase (GCT)
September 13		h m s
ALQ	iP	15 57 26
	e	58 08
September 13		
ALQ	iP	17 33 52
September 13		
FGU	eP	18 15 31
	eS	15 48
September 13		
EUR	eP	18 57 36
FGU	eP	18 57 16
	eS	57 45
September 13		
COL	eP	19 11 58
EUR	eP	19 15 15
GUA	iP	19 03 34
September 13		
EUR	eP	19 28 56
September 13		
ALQ	eP	19 49 04
GCA	eP	19 48 22
	eS	48 52
September 13		
EUR	iP	22 17 54
FGU	eP	22 16 23
	eS	17 03
September 13		
ALQ	eP	22 53 06
	e	53 24
September 14		
BOZ	eP	00 11 00
EUR	iP	00 11 38
	i	12 50
FGU	eP	00 11 33
	e	12 47
HHM	e(P)	00 11 13
	i	11 26
EUR	eP	00 30 50
September 14		
FGU	eP	00 30 40
September 14		
EUR	e(P)	00 46 44
September 14		
COL	iP	02 54 34
EUR	eP	02 58 24

Date and Station		Phase (GCT)
September 14		h m s
BHP	iP	03 50 44
	iS	51 18
September 14		
EUR	eP	04 20 51
September 14		
EUR	eP	05 23 38
September 14		
ALQ	eP	06 29 18
September 14		
ALQ	eP	06 33 08
September 14		
ALQ	eP	13 18 56
	eS	19 36
BOZ	eP	13 18 05
EUR	iP	13 18 02
	iL	19 04
GCA	e(P)	13 18 04
HHM	e(P)	13 18 46
	eS	20 22
September 14		
GUA	eP	13 57 24
	eS	57 46
September 14		
ALQ	eP	14 02 07
EUR	iP	14 03 21
FGU	eP	14 02 58
September 14		
ALQ	eP	16 05 38
COL	eP	16 05 26
EUR	iP	16 05 13
FGU	eP	16 05 38
September 14		
ALQ	eP	17 11 59
	i	12 30
BCN	iP	17 10 27
COL	iP	17 16 44
EUR	iP	17 10 42
FGU	eP	17 11 40
	i	12 00
GCA	eP	17 11 08
TUT	eP	17 11 38

Date and Station		Phase (GCT)
September 14		h m s
ALQ	eP	17 20 24
	e	20 56
BCN	iP	17 18 24
GCA	eP	17 19 18
TUT	e(P)	17 19 18
	e	19 41
September 14		
COL	iP	17 35 44
EUR	eP	17 35 14
September 14		
ALQ	iP	18 29 59
	ipP	31 26
BCN	iP	18 29 32
	ipP	30 57
BOZ	eP	18 30 08
	epP	31 35
	ePP	33 43
BUT	iP	18 30 05
	ipP	31 31
	iPP	33 36
COL	iP	18 30 00
	ipP	31 27
EUR	iP	18 29 37
FGU	eP	18 30 02
GCA	eP	18 30 00
GUA	eP	18 26 11
HON	iP	18 25 38
	e(PcP)	27 31
	eL	36 46
HHM	eP	18 30 05
SLC	iP	18 29 55
	epP	31 21
TUC	iP	18 29 38
TUT	iP	18 29 39
	ipP	31 04
UKI	iP	18 29 13
	epP	30 37
September 14		
EUR	eP	18 56 42
September 14		
GUA	e(P)	19 47 49
	e	48 33

Date and Station		Phase (GCT)
September 14		h m s
BOZ	eP	20 48 23
EUR	eP	20 50 26
HHM	eP	20 48 57
	eS	49 35
September 14		
ALQ	eP	21 52 50
September 14		
ALQ	eP	22 05 02
September 15		
GUA	iP	00 56 25
September 15		
COL	iP	01 06 48
EUR	eP	01 08 41
GUA	e(P)	01 56 07
September 15		
ALQ	iP	02 13 38
	e	13 49
	i	15 06
BCN	eP	02 12 54
	i	12 58
	i	13 30
FGU	eP	02 13 19
TUT	eP	02 13 51
	i	15 06
	i	15 14
September 15		
ALQ	eP	02 50 05
September 15		
GUA	iP	03 48 58
	eS	49 09
September 15		
TUC	eP	04 38 44
September 15		
COL	e(P)	06 32 50
EUR	eP	06 36 37
September 15		
COL	iP	08 09 54
EUR	eP	08 13 05
September 15		
ALQ	eP	11 29 08
BCN	i(P)	11 29 42
EUR	eP	11 30 01
FGU	eP	11 29 44

Date and Station		Phase (GCT) h m s
TUT	eP	11 29 11
September 15		
BOZ	e(P)	12 27 42
	e	28 19
EUR	iP	12 28 15
FGU	e(P)	12 28 09
HHM	iP	12 27 44
	eS	28 20
September 15		
COL	eP	12 46 59
HHM	e(P)	12 44 28
	eS	45 06
RCD	e(P)	12 45 34
September 15		
EUR	iP	19 17 14
	ipP	17 25
September 15		
ALQ	iP	20 12 34
	i	13 10
September 15		
ALQ	iP	23 01 49
	e	02 56
	eP'P'	29 59
BCN	iP	23 01 13
	iPcP	01 29
	i	01 37
	e(PP)	01 51
	eP'P'	30 04
BOZ	eP	23 00 44
	i	01 02
	iPcP	01 37
	e(PP)	02 28
	eS	08 52
BUT	eP	23 00 37
	i	00 54
	iPcP	01 19
	i	02 01
	iPP	03 01
	i(PPP)	03 43
	e	06 05
	eS	08 43
COL	iP	22 57 22
	eS	23 02 44
EUR	iP	23 00 52
	eP'P'	29 52
GCA	eP	23 01 21
HON	iP	22 59 02
	i	59 34
	ePP	23 00 52
	ePPP	01 40
	iS	05 43
	i	07 16
	iL	09 01

Date and Station		Phase (GCT) h m s
HHM	iP	23 00 23
GUA	eP	22 57 44
	e	58 15
	ePcP	59 41
KIP	iP	22 59 01
	eT	23 48 56
RCD	iP	23 02 18
	iP'P'	31 10
SLC	eP	23 01 04
SJP	eP	23 04 44
THU	iP	22 59 53
	e	23 00 34
	ePcP	01 04
TUC	eP	23 01 44
TUT	iP	23 01 45
	ePP	04 14
UKI	eP	23 00 24
WAS	eP	23 02 52
September 15		
ALQ	eP	23 40 28
EUR	eP	23 40 04
September 16		
ALQ	eP	03 09 12
	i	09 14
	iS	12 16
BCN	eP	03 09 56
	ipP	10 16
	e	15 49
BOZ	eP	03 11 08
	epP	11 28
	i	11 33
	ePP	12 03
	e	16 49
BUT	iP	03 11 14
	ipP	11 34
	isP	11 40
	iPP	12 07
COL	iP	03 14 50
	iPcP	15 54
	i(PP)	16 31
EUR	iP	03 10 30
	ipP	10 49
	eScP	12 48
GCA	eP	03 09 54
HHM	e(P)	03 11 34
RCD	eP	03 10 46
	ipP	11 09
	i	11 15

Date and Station		Phase (GCT) h m s
SLC	eP	03 10 28
	ipP	10 47
	eScP	17 26
SJP	iP	03 12 17
	iPcP	15 10
TUC	iP	03 08 57
TUT	iP	03 08 59
UKI	eP	03 11 21
	i(S)	15 40
September 16		
ALQ	i(P)	05 38 36
	iS	40 44
BCN	iP	05 36 57
BOZ	e(P)	05 39 02
	eL	42 11
BUT	eP	05 38 58
	iS	42 02
	iL	42 15
COL	iP	05 43 04
	i	43 29
	iPcP	45 39
	i	46 32
EUR	iP	05 37 18
HHM	eP	05 39 22
RCD	eP	05 39 36
SLC	eP	05 38 01
SJP	iP	05 45 06
	iPcP	46 27
TUC	eP	05 37 57
	i(S)	40 00
	iL	40 02
TUT	eP	05 37 58
UKI	iP	05 37 39
	i(S)	38 17
	iL	38 55
September 16		
THU	eP	08 55 13
	e	55 36
September 16		
BCN	e(P)	09 27 21
	i	27 27
	i	28 01
EUR	eP	09 27 04
September 16		
BCN	iP	09 34 03
	iS	35 08

Date and Station		Phase (GCT) h m s
September 16		
HHM	eP	09 57 08
	eS	57 45
September 16		
COL	eP	11 06 52
EUR	iP	11 10 02
September 16		
ALQ	eP	11 39 02
BCN	eP	11 37 48
	e	37 54
	i	38 27
EUR	iP	11 38 09
	i	39 12
GCA	e(P)	11 38 22
TUT	e(P)	11 38 44
September 16		
COL	eP	12 14 06
September 16		
BCN	iP	12 37 10
September 16		
BCN	eP	13 08 11
COL	iP	13 04 18
EUR	iP	13 07 48
RCD	e(P)	13 08 21
TUC	eP	13 08 48
September 16		
ALQ	eP	14 02 18
EUR	e(P)	14 02 38
September 16		
ALQ	eP	14 40 26
September 16		
COL	e(P)	15 01 00
	e	01 26
September 16		
ALQ	eP	16 46 08
September 16		
ALQ	eP	18 15 17
	i	16 02
BCN	eP	18 13 40
	e	13 56
	e	14 56
EUR	eP	18 14 04
	i	15 35

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

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Date and Station		Phase (GCT)
		h m s
HHM	eP	00 37 48C
	eS	44 58
PHI	e(P)	00 35 14
	eS	39 59
KIP	eP	00 40 43
SLC	eP	00 36 59
	ePP	39 06
	iPcP	38 58
	iS	43 24
	eScS	47 11
SJP	eP	00 33 27
	eS	36 48
THU	eP C	00 40 10
TUC	eP	00 36 08
	i	37 07
	iPP	37 34
	iPcP	37 54
	i	41 07
	iS	41 57
TUT	eP	00 36 08
WAS	eP	00 35 30
	eS	39 42
UKI	eP	00 37 49
	e	38 06
	iPP	39 59
	eS	43 35
	e	45 04
September 18		
BHP	iP	00 58 56
	iS	59 42
September 18		
BHP	iP	01 02 24
	iS	03 10
BCN	i(P)	01 09 20
COL	iP	01 13 04
EUR	iP	01 09 42
September 18		
BHP	iP	02 16 40
	iS	17 27
September 18		
BHP	iP	02 21 19
	iS	22 07
September 18		
ALQ	eP	02 37 40
EUR	eP	02 38 51
September 18		
ALQ	iP	02 46 34
BCN	eP	02 47 25

Date and Station		Phase (GCT)
		h m s
COL	iP	02 55 10
	i	56 28
EUR	eP	02 47 46
FGU	eP	02 47 24
September 18		
EUR	eP	03 25 01
September 18		
ALQ	eP	03 29 19
BCN	e(P)	03 30 10
EUR	eP	03 30 31
COL	eP	03 34 00
FGU	e(P)	03 30 01
TUT	e(P)	03 28 47
September 18		
BHP	iP	04 44 42
	iS	45 27
September 18		
ALQ	eP	05 02 04
BCN	e(P)	05 02 59
EUR	eP	05 03 22
September 18		
ALQ	iP	05 20 31
	ePP	21 04
BHP	iP	05 14 21
	iS	15 11
BCN	eP	05 21 20
BOZ	eP	05 21 56
	e	22 15
BUT	iP	05 22 03
	i	22 14
	ePP	23 37
COL	eP	05 25 05
EUR	iP	05 21 44
FGU	eP	05 21 20
GCA	eP	05 21 10
HHM	eP	05 22 21
RCD	e(P)	05 21 17
SLC	eP	05 21 31
	ePP	23 26
SJP	eP	05 18 01
TUC	eP	05 20 41

Date and Station		Phase (GCT)
		h m s
TUT	iP	05 20 42
September 18		
COL	iP	05 34 42
	e	34 53
EUR	eP	05 40 58
September 18		
BHP	iP	05 50 00
	iS	50 46
September 18		
BHP	iP	05 54 41
	iS	55 25
September 18		
EUR	e(P)	06 01 09
September 18		
ALQ	iP'	06 30 14
COL	eP	06 23 08
EUR	eP	06 24 56
	eP'	28 58
	ePKKP	40 03
GUA	e(P)	06 15 05
HON	eS	06 31 50
	eL	44 26
KIP	eP	06 22 16
RCD	eP'	06 29 04
SJP	eP'	06 30 30
September 18		
EUR	eP	08 40 02
September 18		
ALQ	eP	08 56 57
EUR	e(P)	08 58 07
September 18		
ALQ	iP	09 29 21
September 18		
BCN	iP	10 12 48
September 18		
BHP	iP	10 53 31
	iS	54 11
September 18		
COL	e(P)	12 31 27
September 18		
ALQ	eP	13 39 23
September 18		
ALQ	iP	13 46 52

Date and Station		Phase (GCT)
		h m s
September 18		
BCN	e(P)	15 55 41
EUR	eP	15 56 11
September 18		
BOZ	e(P)	16 09 02
EUR	eP	16 08 56
FGU	eP	16 08 29
September 18		
ALQ	eP	18 12 58
September 18		
BCN	iP	18 40 21
September 18		
ALQ	eP	19 48 32
	eS	49 08
September 18		
EUR	eP	20 04 39
September 18		
ALQ	eP	20 25 12
BCN	eP	20 24 42
COL	iP	20 24 45
EUR	eP	20 24 46
September 18		
ALQ	eP	21 57 44
	ipP	59 05
BCN	eP	21 58 37
BOZ	eP	21 59 15
BUT	iP	21 59 12
COL	iP	21 59 01
EUR	iP	21 58 42
FGU	eP	21 59 08
GCA	e(P)	21 58 52
SLC	eP	21 59 02
September 18		
ALQ	eP	22 15 32
COL	iP	22 15 39
	i	16 03
EUR	eP	22 15 03
September 18		
GUA	iP	22 42 03
	eS	42 19
September 18		
SLC	e(P)	23 11 23

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Date and Station		Phase (GCT) h m s
September 18		
EUR	eP	23 22 53
September 18		
ALQ	eP	23 34 50
September 19		
ALQ	iP	00 18 54
BCN	iP	00 18 26
BUT	iP	00 17 55
COL	iP	00 15 01
EUR	iP	00 18 10
FGU	eP	00 18 23
GCA	e(P)	00 18 32
HHM	iP	00 17 40
TUC	e(P)	00 18 52
UKI	e(P)	00 17 48
September 19		
BOZ	eP	01 18 00
September 19		
ALQ	ip	01 31 25
	e	31 40
	i(PcP)	32 47
BCN	eP	01 30 39
	e	30 53
BOZ	eP	01 30 11
	i	30 25
BUT	eP	01 30 02
	i	30 17
	iPP	32 12
COL	iP	01 26 48
EUR	iP	01 30 17
FGU	iP	01 30 41
	e	30 55
	ePP	32 27
	eS	36 12
GCA	eP	01 30 52
HHM	iP	01 29 45
RCD	eP	01 30 56
	e	31 10
SLC	eP	01 30 31
	e	30 45
	ePP	32 23
SJP	iP	01 35 13
	i	35 28

Date and Station		Phase (GCT) h m s
TUC	iP	01 31 20
	i	31 33
	i	31 48
	i(PP)	32 44
UKI	e(P)	01 29 42
September 19		
ALQ	iP	01 49 10
	i	49 23
BHP	iP	01 42 04
	iS	43 05
BCN	eP	01 49 59
	e	50 07
BOZ	e(P)	01 50 36
	ePP	52 12
BUT	eP	01 50 41
	ePP	52 16
COL	iP	01 53 44
EUR	iP	01 50 22
FGU	iP	01 49 59
GCA	eP	01 49 49
SLC	e(P)	01 50 10
	ePP	52 04
SJP	eP	01 46 38
	e(S)	50 19
TUC	eP	01 49 20
September 19		
SLC	e(P)	04 37 56
	e	38 33
	e	39 17
	e	40 57
September 19		
COL	eP	05 04 59
September 19		
ALQ	eP	05 18 37
BUT	iP	05 17 30
	iPcP	18 00
COL	iP	05 14 21
EUR	iP	05 17 46
FGU	eP	05 18 02
GCA	eP	05 18 12
HHM	iP	05 17 14
RCD	eP	05 18 07
TUC	iP	05 18 35

Date and Station		Phase (GCT) h m s
September 19		
COL	eP	07 41 10
September 19		
ALQ	iP	08 02 22
	iPP	06 30
BUT	e(P)	08 01 43
COL	iP	07 59 50
EUR	iP	08 01 42
FGU	eP	08 02 00
GUA	iP	07 49 39
	eS	50 30
HHM	eP	08 01 35
KIP	iP	07 58 31
SLC	eP	08 01 55
September 19		
UKI	eP	10 12 52
	i	12 57
September 19		
ALQ	iP	11 11 40
COL	iP	11 08 41
EUR	iP	11 11 52
TUC	eP	11 12 40
September 19		
ALQ	iP	11 22 53
	e	23 18
BUT	e(P)	11 23 56
EUR	eP	11 23 29
FGU	e(P)	11 23 28
September 19		
ALQ	iP	14 06 08
September 19		
ALQ	eP	14 37 13
September 19		
ALQ	eP	15 14 51
COL	eP	15 07 16
EUR	eP	15 15 04
HHM	eP	15 14 08
September 19		
FGU	eP	16 01 46
	eS	02 12

Date and Station		Phase (GCT) h m s
September 19		
ALQ	eP	21 46 50
	e	47 25
September 19		
ALQ	eP	22 40 04
September 19		
BHP	iP	23 25 49
	iS	26 36
September 19		
EUR	eP	23 51 17
FGU	eP	23 51 00
SLC	iP	23 50 27
September 20		
GUA	iP	01 05 50
	e	06 06
September 20		
SLC	eP	02 53 22
September 20		
FGU	eP	04 00 52
	eS	01 20
September 20		
FGU	eP	04 25 44
September 20		
ALQ	iP	06 11 51
EUR	eP	06 12 55
SJP	eP	06 09 05
September 20		
ALQ	eP	06 29 47
BUT	e(P)	06 28 56
COL	eP	06 26 25
EUR	eP	06 29 07
FGU	eP	06 29 21
September 20		
COL	iP	07 57 33
EUR	eP	08 01 06
September 20		
ALQ	iP	09 35 18
EUR	eP	09 36 13
FGU	iP	09 36 01
September 20		
COL	eP	11 12 22
	e	15 58
EUR	eP	11 09 01

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

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Date and Station		Phase	(GCT) h m s
COL	iP		11 09 41
EUR	eP		11 12 56
RCD	e(P)		11 12 20
September 22 BHP	iP		14 27 09
	iS		27 54
September 22 COL	iP		15 07 09
HHM	eP		15 06 42
September 22 EUR	iP		15 10 14
September 22 EUR	e(P)		15 21 39
September 22 FGU	eP		15 32 46
	eS		33 17
September 22 BCN	e(P)		18 12 39
COL	eP		18 09 10
EUR	iP		18 12 21
	ipP		12 31
September 22 BCN	iP		18 39 07
September 22 EUR	iP		19 47 00
September 23 BHP	iP		01 43 53
	iS		44 36
September 23 ALQ	eP		04 54 36
September 23 EUR	eP		07 11 37
TUC	iP		07 11 36
September 23 BCN	eP		07 14 26
COL	iP		07 14 00
EUR	iP		07 15 01
HHM	eP		07 15 08
September 23 ALQ	e(P)		10 12 26
September 23 SJP	eP		11 54 34
September 23 COL	eP		12 02 13
	e		07 23
EUR	eP		12 00 40
September 23 BCN	e(P)		12 13 16
BOZ	e(P)		12 13 00
COL	iP		12 14 54
EUR	eP		12 13 21
September 23 BCN	iP		12 35 17
COL	eP		12 34 33
	ePP		37 09
	e		40 17
September 23 ALQ	eP		13 02 09
September 23 ALQ	iP		14 07 36
September 23 ALQ	eP		14 29 33
September 23 BCN	eP		15 57 21
BOZ	eP		15 56 28
BUT	iP		15 56 20
	ipP		56 39
	i		56 44
	i(PP)		57 38
	iPcP		59 35
COL	iP		15 52 0
EUR	iP		15 56 50
	iPcP		59 48
	iScP		16 03 41
FGU	iP		15 58 07
HHM	iP		15 55 57
	epP		56 12
	isP		56 26
SLC	eP		15 56 55
TUC	eP		15 58 00
	i		58 03
	ipP		58 19
TUT	iP		15 58 02
	ipP		58 22
September 23 COL	eP		20 53 34
September 23 BCN	iP		21 30 25
	i		30 30
	i		31 03
EUR	iP		21 30 20
GCA	e(P)		21 31 09
	e		31 57
September 24 HHM	eP		00 03 19
September 24 HHM	eP		00 07 40
	e		08 04
September 24 HHM	eP		02 20 46
September 24 COL	eP		03 37 15
EUR	e(P)		03 40 01
September 24 COL	eP		05 40 33
EUR	eP		05 42 39
SJP	eP'		05 48 05
September 24 FGU	e(P)		07 16 24
September 24 EUR	eP		07 20 47
September 24 TUC	iP		07 42 39
September 24 BUT	e(P)		09 34 56
COL	eP		09 32 10
	ipP		32 29
EUR	eP		09 35 06
FGU	e(P)		09 36 24
HHM	iP		09 34 42
September 24 EUR	e(P)		10 12 59
September 24 EUR	eP		10 34 02
September 24 EUR	eP		11 25 08
GCA	iP		11 24 10
	e(S)		24 24
September 24 FGU	e(P)		12 13 50
September 24 EUR	eP		13 12 36
September 24 BHP	iP		14 23 29
	iS		24 11
COL	eP		14 34 08
	ipP		34 29
EUR	eP		14 30 47
September 24 BUT	iP		14 08 43
FGU	iP		14 08 14
HHM	iP		14 08 54
	e(pP)		09 27
September 24 SJP	eP		14 27 05
TUT	e(P)		14 29 44
September 24 EUR	eP		14 41 00
FGU	iP		14 40 50
TUT	e(P)		14 40 38
September 24 BCN	eP		14 49 51
	i		50 00
	iPcP		50 05
BOZ	eP		14 49 25
	e		52 08
BUT	iP		14 49 19
	i		49 27
COL	iP		14 46 16
	iS		53 37
EUR	iP		14 49 32
	i		49 41
GCA	e(P)		14 50 01
HHM	iP		14 49 04
	i		49 18
RCD	eP		14 49 56
	i		50 06
	ePcP		50 11
SLC	eP		14 49 43
THU	eP		14 48 20
	e		48 32
UKI	eP		14 49 07
September 24 BOZ	e(P)		14 56 53

Date and Station		Phase (GCT) h m s
COL	eP	14 53 32
EUR	iP	14 56 47
HHM	e(P)	14 56 19
September 24		
COL	iP	15 26 21
September 24		
EUR	eP	16 10 55
BUT	iP	16 09 55
HHM	eP	16 09 50
	eS	10 18
September 24		
FGU	eP	17 41 42
	eS	42 02
EUR	eP	18 43 16
September 24		
BOZ	eP	21 02 05
September 24		
SLC	eP	23 05 09
September 24		
HHM	e(P)	23 42 42
September 25		
ALQ	eP	00 34 14
	i	34 18
	e(pP)	34 42
EUR	iP	00 34 31
GCA	e(P)	00 34 27
TUT	e(P)	00 33 58
September 25		
BUT	iP	02 13 26
September 25		
COL	eP	02 46 57
EUR	eP	02 49 48
September 25		
COL	iP	03 39 14
September 25		
EUR	eP'	05 08 05
September 25		
FGU	e(P)	07 02 32
	eS	03 09
September 25		
ALQ	eP	07 43 01
BCN	eP	07 42 36

Date and Station		Phase (GCT) h m s
COL	iP	07 43 13
EUR	eP	07 42 42
TUT	iP	07 42 40
September 25		
ALQ	e(P)	09 00 41
September 25		
BCN	eP	10 34 39
COL	iP	10 31 39
EUR	iP	10 34 24
FGU	eP	10 34 41
SLC	eP	10 34 34
September 25		
COL	iP	13 10 17
EUR	eP	13 13 28
September 25		
GUA	eP	13 51 21
September 25		
EUR	i(P)	14 08 26
September 25		
ALQ	eP	14 33 07
September 25		
BOZ	eP	15 03 12
BUT	iP	15 03 08
COL	iP	15 01 13
EUR	eP	15 03 06
September 25		
ALQ	eP	18 29 55
September 25		
ALQ	eP	20 08 08
September 25		
EUR	eP	22 25 34
FGU	iP	22 26 03
	i(S)	26 18
SLC	iP	22 25 40
September 25		
FGU	iP	23 49 15
SLC	eP	23 48 42
September 26		
FGU	iP	01 15 32
	eS	16 02
September 26		
ALQ	iP	01 38 52

Date and Station		Phase (GCT) h m s
EUR	eP	01 39 31
September 26		
COL	eP	01 47 28
HHM	eP	01 49 25
September 26		
BUT	eP	02 26 08
COL	iP	02 22 46
	e(S)	23 36
EUR	iP	02 28 07
HHM	eP	02 27 11
September 26		
ALQ	eP	03 04 50
COL	eP	03 00 31
EUR	eP	03 03 56
September 26		
COL	iP	03 58 13
	iS	58 45
EUR	eP	04 03 36
September 26		
BUT	e(P)	04 11 51
	i	12 15
September 26		
BOZ	eP	05 07 36
	iL	07 57
BUT	iP	05 07 36
	iL	07 54
COL	iP	05 08 40
EUR	eP	05 08 43
	eL	10 08
FGU	eP	05 08 24
	e(S)	09 24
HHM	eP	05 08 10
	e	08 21
	eS	09 01
SLC	e(P)	05 08 14
September 26		
FGU	iP	05 36 48
September 26		
ALQ	eP	08 31 48
EUR	e(P)	08 32 36
FGU	e(P)	08 31 58
September 26		
ALQ	e(P)	08 40 57

Date and Station		Phase (GCT) h m s
September 26		
EUR	iP	09 41 27
September 26		
BUT	eP	11 47 15
HHM	e(P)	11 45 34
	eS	46 23
September 26		
BUT	e(P)	11 58 02
TUC	eP	11 57 30
	i	57 42
September 26		
SLC	eP	12 42 44
	e	42 58
	e	43 36
September 26		
ALQ	iP	12 57 50
	ePP	13 01 40
BUT	ePP	13 01 13
BCN	eP	12 57 28
COL	iP	12 58 08
	ePP	13 01 55
EUR	iP	12 57 34
	ePP	13 01 15
KIP	iP	12 53 56
TUC	ePP	13 01 18
TUT	iP	12 57 31
September 26		
ALQ	iP	13 37 25
	ipP	38 14
BUT	eP	13 36 44
	ipP	37 33
COL	iP	13 34 39
EUR	eP	13 36 43
	ipP	37 31
FGU	eP	13 37 03
GUA	e(P)	13 25 48
HHM	e(P)	13 36 28
SLC	e(P)	13 36 55
	epP	37 44
COL	eP	14 27 19
EUR	e(P)	14 29 03
	i	29 14
September 26		
ALQ	i(P)	15 24 13
September 26		
ALQ	iP	15 36 46

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Date and Station		Phase (GCT) h m s
September 26		
EUR	eP	15 53 21
September 26		
ALQ	eP	16 26 44
September 26		
EUR	iP	17 48 34
September 26		
COL	eP	18 02 39
September 26		
EUR	eP	18 59 52
GCA	e(P)	19 00 34
September 26		
BHP	iP	20 11 09
	iS	11 54
September 20		
COL	iP	21 31 03
EUR	i(P)	21 34 23
HHM	eP	21 32 56
	i	32 58
	e	33 18
	e	36 10
September 26		
COL	eP	22 23 43
	e	24 05
	i	27 24
EUR	eP	22 24 20
September 26		
COL	eP	22 46 46
September 26		
SLC	eP	23 12 52
	iL	13 20
September 27		
ALQ	eP	03 29 43
September 27		
ALQ	iP	07 00 22
	e(pP)	00 55
BUT	iP	07 01 24
EUR	iP	07 01 05
GCA	eP	07 00 46
HHM	iP	07 01 34
RCD	eP	07 01 37
SJP	eP	06 57 29
September 27		
ALQ	eP'	07 13 12
EUR	eP'	07 13 44

Date and Station		Phase (GCT) h m s
September 27		
ALQ	iP	08 01 06
	ipP	01 44
BOZ	eP	08 02 05
BUT	iP	08 02 11
	ipP	02 55
	i	03 28
COL	iP'	08 10 57
EUR	iP	08 01 54
GCA	eP	08 01 29
HHM	eP	08 02 24
	epP	02 53
SJP	iP	07 57 34
September 27		
EUR	iP	08 14 08
September 27		
ALQ	eP	09 30 35
COL	iP	09 26 32
EUR	eP	09 29 45
HHM	eP	09 29 18
September 27		
BCN	iP	10 05 57
September 27		
EUR	eP	11 14 25
September 27		
SJP	iP	11 18 29
	e(S)	18 43
September 27		
EUR	eP	11 36 57
RCD	eP	12 18 36
September 27		
EUR	eP	12 42 43
September 27		
ALQ	eP'	13 15 30
COL	eP'	13 14 45
EUR	iP'	13 15 13
HHM	eP'	13 15 04
September 27		
COL	eP	13 19 27
EUR	iP	13 18 19
GCA	eP	13 18 37
SLC	eP	13 18 28

Date and Station		Phase (GCT) h m s
TUC	iP	13 18 48
September 27		
BCN	eP	15 28 57
September 27		
ALQ	eP	13 36 55
BOZ	eP	13 37 03
BUT	iP	13 36 55
COL	iP	13 36 48
	epP	38 46
EUR	iP	13 36 31
HHM	eP	13 36 58
TUC	iP	13 36 34
September 27		
SLC	eP	15 56 16
September 27		
BCN	iP	17 13 31
September 27		
COL	iP	18 34 27
September 27		
COL	iP	18 39 06
September 27		
ALQ	eP	22 15 23
September 28		
ALQ	eP	00 54 30
September 28		
FGU	eP	03 31 45
	eS	32 10
September 28		
EUR	eP	03 46 38
September 28		
COL	eP	04 08 08
UKI	iP	04 05 46
	iL	05 54
September 28		
TUC	e(P)	04 58 59
September 28		
ALQ	iP	05 28 04
COL	eP	05 23 52
EUR	eP	05 27 10
September 28		
ALQ	eP	05 41 04
COL	eP	05 37 07
	i	37 15

Date and Station		Phase (GCT) h m s
EUR	eP	05 40 55
September 28		
ALQ	eP'	06 32 28
EUR	eP'	06 32 16
September 28		
BHP	iP	06 42 25
	iS	43 09
September 28		
BCN	iP	08 24 51
September 28		
COL	iP	11 28 09
September 28		
SLC	e(P)	11 54 08
September 28		
SLC	eP	14 27 55
September 28		
ALQ	iP	14 49 16
September 28		
ALQ	iP	15 01 42
September 28		
ALQ	iP	19 03 38
	ipP	04 02
	isP	04 19
	iPP	04 55
	ePcP	05 46
	iScP	09 20
	eS	10 06
	eScS	13 00
BHP	iP	18 56 17
	iS	57 13
BOZ	eP	19 04 57
	epP	05 20
BUT	iP	19 05 02
COL	iP	19 07 51
	ipP	08 20
EUR	iP	19 04 49
	i(PcP)	09 57
FGU	eP	19 04 25
	i(pP)	04 47
	eScP	09 43
GCA	eP	19 04 36
HON	iS	19 18 13
	e(sS)	18 54
	eL	33 32
HHM	eP	19 05 20
	epP	05 45
KIP	eP	19 08 10

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Date and Station		Phase (GCT)
		h m s
SJP	eP	18 59 48
	eS	19 02 52
SLC	iP	19 04 35
RCD	iP	19 04 15
	ipP	04 40
September 28		
HHM	eP	20 31 19
September 28		
RCD	iP	20 46 47
September 28		
ALQ	iP	22 24 29
EUR	eP	22 24 01
FGU	eP	22 25 12
September 28		
SLC	iP	23 13 02
	i	13 31
September 29		
FGU	eP	01 23 42
	eS	24 07
September 29		
ALQ	eP	01 35 44
COL	e(P)	01 34 37
EUR	eP	01 34 10
September 29		
BOZ	iP	02 37 54
September 29		
COL	iP	03 07 37
	e	10 59
EUR	eP	03 12 54
September 29		
ALQ	iP	05 32 34
	e	33 14
EUR	iP	05 33 26
FGU	eP	05 33 12
HHM	eP	05 33 56
SJP	iP	05 29 12
September 29		
COL	iP	07 06 28
	ipP	06 40
September 29		
ALQ	iP	08 08 39
EUR	eP	08 09 36
FGU	eP	08 09 22

Date and Station		Phase (GCT)
		h m s
September 29		
ALQ	eP	08 25 14
September 29		
BHP	iP	10 14 46
	iS	15 31
September 29		
COL	eP	12 28 56
September 29		
ALQ	iP	15 05 36
BCN	iP	15 05 16
September 29		
ALQ	eP	15 28 26
	ipP	30 26
	e	34 08
	iS	37 10
BHP	iP	15 24 27
BCN	eS	15 38 13
BOZ	eP	15 29 21
	epP	31 26
	iS	39 03
BUT	iP	15 29 26
	ipP	31 31
	iPP	32 58
	iS	39 10
	i	39 19
COL	iP	15 31 26
	iP'	35 17
EUR	iP	15 29 12
	iS	38 41
FGU	iP	15 29 00
	ipP	31 05
	eS	38 01
GCA	iP	15 28 31
HHM	iP	15 29 38
	i	29 50
	epP	31 43
SLC	eP	15 29 05
	ipP	31 08
	eS	38 33
SJP	iP	15 25 13
	ipP	26 45
	iPcP	27 10
	e	28 37
	iS	29 45
	iPcS	31 05
	eScS	34 01
WAS	iP	15 27 41
September 29		
BCN	iP	17 00 28
EUR	iP	17 00 41

Date and Station		Phase (GCT)
		h m s
FGU	eP	17 01 40
September 29		
EUR	iP	17 13 44
September 29		
ALQ	eP	19 02 00
	i	02 32
FGU	eP	19 01 15
	eS	01 32
September 29		
GUA	e(P)	20 04 14
September 29		
ALQ	iP	20 21 54
September 29		
ALQ	eP	21 55 44
September 29		
ALQ	eP	23 53 18
September 30		
FGU	e(P)	01 14 20
	eS	14 43
September 30		
HHM	e(P)	02 37 16
	e(S)	37 50
September 30		
COL	eP	06 54 49
EUR	eP	06 56 39
FGU	eP	06 57 00
GUA	eP	06 44 24
HHM	eP	06 56 35
September 30		
FGU	eP	08 35 17
	iS	36 06
September 30		
EUR	eP	09 38 21
FGU	eP	09 37 55
SLC	eP	09 37 38
September 30		
BOZ	e(P)	11 01 46
COL	iP	11 00 28
EUR	iP	11 01 28
HHM	eP	11 01 36
KIP	iP	10 57 42
September 30		
COL	eP	11 10 31

Date and Station		Phase (GCT)
		h m s
EUR	iP	11 12 01
HON	eP	11 08 21
KIP	iP	11 08 20
September 30		
EUR	e(P)	14 38 41
September 30		
COL	eP	15 21 12
EUR	eP	15 22 18
September 30		
COL	iP	16 40 42
September 30		
FGU	eP	20 23 38
GCA	e(P)	20 23 55
	e	24 33
September 30		
COL	iP	22 08 55
	i	09 12
EUR	eP	22 11 16
	eP'	15 19
	ePKKP	27 44
KIP	iP	22 09 06
SLC	ePKKP	22 28 34
September 30		
FGU	eP	23 44 27
	e(S)	44 54
SLC	i(P)	23 43 56

Date and Station	Phase (GCT)
	h m s
Local and Minor Earthquakes	
September	
ALQ	
11	18.7
	21.9
12	20.9
13	05.0
	21.6
17	22.9
18	20.3
	22.6
19	18.5
21	22.0
	23.4
23	14.8
26	19.1
27	02.9
BCN	
1	15.9
7	22.3
9	11.5
18	18.5
19	18.9
22	02.5
BOZ	
2	09.7
8	06.5
16	10.2
24	15.5
	17.0
BUT	
3	18.3
6	19.0
	21.2
7	23.0
8	06.5
11	02.6
14	00.2
	13.3
	20.8
15	12.5
	12.7
16	09.9
	10.2
24	15.5
	16.1
	17.0
COL	
15	20.6
19	16.9
EUR	
3	19.8
4	07.1
6	19.0
7	16.9
8	17.1
9	04.0
14	20.8
16	09.4

Date and Station	Phase (GCT)
	h m s
EUR	
18	15.7
20	03.2
21	20.2
23	21.5
26	10.3
29	08.5
FGU	
2	13.0
4	07.1
5	16.1
7	18.8
	16.9
9	14.6
14	11.6
	13.3
18	16.1
	16.4
27	22.9
29	22.2
30	09.6
GCA	
7	16.8
13	01.9
	04.5
14	18.0
	22.1
15	02.2
	04.5
16	04.0
	05.0
	05.6
17	06.2
19	22.5
24	11.5
SLC	
1	23.3
4	23.8
6	03.1
7	02.8
	05.1
	23.3
14	00.5
	13.3
22	23.2
SJP	
2	09.3
30	18.0
TUC	
14	17.2
15	02.2
20	00.8
	17.0
23	18.1
	21.9
30	18.3
UKI	
1	22.4
14	01.0

Date and Station	Phase (GCT)
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