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May, 1960

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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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1960

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

**Balboa Heights, C. Z. (BH)
The Panama Canal Co.
*Boulder City, Nev. (BC)
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. (COLU)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
Guam, M. I. (GUAM)
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
Kipapa, T. H. (KIP)
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHIL)
The Franklin Institute
**Rapid City, S. D. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
*Thule, Greenland (THULE)
U. S. Army Ionosphere Station
Tucson, Ariz. (TUC)
Tucson, Ariz. Telemeter (TUC-T)
Ukiah, Calif. (UK)
International Latitude Observatory
Washington, D. C. (WASH)

*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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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.

One asterisk (*) following an origin time indicates probable error of one-tenth minute. Two asterisks (**) following an origin time indicates error of one-quarter minute. All origin times and location are determined from P data only. For Pasadena epicenters the time is given in one-tenth minute.

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 Height, Canal Zone.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
May	h m s	°	°	
1	02 55 10*	52½ N.	166 W.	Fox Islands, Aleutian Islands.
1	04 11 47*	0	122 E.	Celebes.
1	17 48 24**			New Guinea. h about 200 km.
1	18 02 21*	3 S.	12 W.	North of Ascension Island.
2	01 00 00*	44 N.	84½ E.	Sinkiang Province, China.
2	02 20 50*	17½ N.	84 W.	South of Costa Rica.
2	02 38 32*	7 S.	129½ E.	Banda Sea. h about 60 km.
2	02 43 45*	37 N.	69 E.	Tadzhik S. S. R.
2	04 16 27*	28 S.	176 W.	Kermadec Islands region.
2	04 35 07*	20½ S.	179 W.	Fiji Islands region. h about 600 km.
2	04 35 56*	½ S.	121 E.	Celebes.
2	05 11 46*	½ S.	121 E.	do.
2	08 33 00*	3 S.	12 W.	North of Ascension Island.
2	08 42 35*	3 S.	12 W.	do.
2	10 39 58*	13 N.	125½ E.	Off coast of Samar Island, Philippine Islands.
2	11 51 34*	0	121½ E.	Celebes.
2	12 10 11*	0	121½ E.	Celebes. Felt at Una-Una.
2	14 40 50*	13 N.	126 E.	Off coast of Samar Island, Philippine Islands.
2	17 51 32*	17½ S.	178½ W.	Fiji Islands region. h about 600 km.
2	18 10 49*	40 N.	143 E.	Near east coast of Honshu, Japan.
2	18 37 35*	37 N.	27 E.	Dodecanese Islands. Felt.
2	20 02 26*	½ N.	124 E.	Celebes. h about 250 km.
2	20 31 37*	28 S.	178½ W.	Kermadec Islands region. h about 100 km.
2	22 48 42**			Near coast of Iran. Felt at Lar.
3	06 59 04*	29½ N.	55 E.	Iran. Felt at Lar.
3	07 55 07*	29 N.	99½ E.	China.
3	07 55 54*	24 S.	179 W.	Tonga Islands region.
3	08 07 08*	24 S.	179½ W.	do.
3	13 22 07*	0	121½ E.	Celebes. Felt at Una-Una.
3	13 59 54*	7½ N.	73½ W.	Colombia. h about 100 km.
3	14 32 34*	40 N.	143 E.	Near east coast of Honshu, Japan. Felt at Miyako.
3	15 02 43*	44 N.	148½ E.	Kurile Islands. Felt at Nemuro.
3	22 22 41*	32 N.	140 E.	South of Honshu, Japan. Felt at Hachijo - jima and Tokyo.
3	23 57 37*	19½ S.	178½ W.	Fiji Islands. h about 600 km.
4	01 28 52*	18 S.	71½ W.	Near coast of Peru. h about 100 km.
4	18 26 37*	0	122 E.	Celebes.
4	18 29 40*	20 S.	173 E.	Loyalty Islands region.
4	22 00 01*	5½ S.	146 E.	Near coast of New Guinea. h about 150 km.
5	01 03 43*	21½ S.	179 W.	Fiji Islands region. h about 600 km.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
May	h m s	°	°	
5	03 39 50*	46 N.	111½ W.	Montana. Felt at Manhattan, Logan and Three Forks.
5	04 14 20*	½ S.	121½ E.	Celebes. h about 60 km.
5	11 26 00*	52½ N.	158½ E.	Near east coast of Kamchatka.
5	15 57 27*	60 S.	23½ W.	Sandwich Islands region.
5	17 13 30*	42 N.	144 E.	Near east coast of Hokkaido, Japan. Felt.
5	20 43 33*	4 N.	126 E.	Celebes Sea. h about 60 km.
5	23 21 15**			New Ireland region.
6	06 19 20*	21½ S.	71 W.	Near coast of Chile.
6	12 12 53*	14½ N.	101 W.	Off coast of Mexico.
6	13 59 04*	22 N.	94 E.	Burma. h about 100 km.
6	18 47 26*	54 N.	161 E.	Near east coast of Kamchatka.
6	18 53 59*	7½ S.	74½ W.	Peru. h about 60 km.
6	20 28 42*	39½ N.	111 W.	Utah.
6	23 12 43*	37 N.	22 E.	Near coast of Greece.
7	14 11 21*	42 N.	143 E.	Hokkaido, Japan. Felt.
7	19 40 42*	38 N.	21 E.	Near coast of Greece. h about 60 km. Felt.
8	03 22 44*	6½ S.	108 W.	Pacific Ocean, about 900 miles southeast of Galapagos Islands.
8	05 10 58*	18½ S.	178 W.	Fiji Islands. h about 450 km.
8	05 29 32*	31 S.	178 W.	Kermadec Islands.
8	12 08 52*	14½ N.	92 W.	Mexico - Guatemala border. h about 60 km.
8	12 23 57*	37 N.	71 E.	Hindu Kush. h about 200 km.
8	13 44 56*	36½ N.	69 E.	Hindu Kush.
8	14 29 14*	45½ N.	151 E.	Kurile Islands.
8	20 56 50*	20 S.	178½ W.	Fiji Islands region. h about 600 km.
9	00 11 10*	30½ N.	129½ E.	Ryukyu Islands. Felt at Yaku - shima.
9	02 46 08*	5½ N.	122 E.	Celebes Sea.
9	06 46 00*	11 N.	63½ W.	Near coast of Venezuela.
9	06 53 11*	12 N.	144 E.	Mariana Islands region. h about 100 km.
9	08 59 25*	7 S.	155 E.	Solomon Islands.
9	14 36 27*	25½ N.	89½ E.	East Pakistan - India border.
9	16 27 26*	6½ N.	33½ W.	Atlantic Ocean.
9	20 13 29*	4½ S.	106 W.	Pacific Ocean, about 900 miles southwest of Galapagos Islands. h about 60 km.
9	23 45 53*	44½ N.	111½ W.	Hebgen Lake, Montana.
10	09 32 39*	25 S.	71 W.	Near coast of northern Chile. Felt at Antofagasta.
10	10 18 58*	20 S.	177½ W.	Fiji Islands region. h about 500 km.
10	10 56 02*	55½ S.	26 W.	Sandwich Islands.
10	17 36 03*	51½ N.	159½ E.	Off southeast coast of Kamchatka.
10	21 51 55*	27 N.	47½ E.	Northeastern Saudi Arabia.
10	23 16 17*	15½ N.	92½ W.	Near coast of Chiapas, Mexico.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
May	h m s	°	°	
10	23 17 57*	34 N.	131½ E.	Near coast of western Honshu, Japan. h about 100 km. Felt.
11	03 58 36*	7 S.	103½ E.	Off coast of Sumatra. h about 200 km.
11	18 36 00*	3 S.	131 E.	Ceram Sea. Mag. 6½.
11	20 12 24*	55 N.	159½ W.	Alaska Peninsula. h about 60 km.
12	06 22 15*	5½ S.	105½ E.	Sunda Strait. h about 100 km.
12	12 09 24*	9 S.	72½ W.	Brazil - Peru border. h about 60 km. Felt at Cerro de Pasco.
12	16 08 26*	43½ N.	128½ W.	Near coast of Oregon. h about 60 km.
12	19 12 08*	3½ S.	130½ E.	Ceram Island.
12	22 32 32*	7½ N.	81 W.	Panama. Felt. Mag. 6¼.
12	23 00 36*	7½ N.	80½ W.	Near south coast of Panama. Felt at Balboa Heights.
13	00 30 40*	7½ N.	81 W.	Near south coast of Panama. Felt at Balboa Heights.
13	10 00 40*	20 N.	109 W.	Revilla Gigedo Islands region.
13	16 07 12*	55 N.	161½ W.	Alaska Peninsula. Felt at Cold Bay. Mag. 6¼.
13	18 53 53*	5½ S.	141½ E.	New Guinea. Felt at Telefomin. h about 100 km.
13	20 46 35*	32½ S.	179 W.	Kermadec Islands region.
14	11 26 54*	43½ N.	140 E.	Near west coast of Hokkaido, Japan.
14	17 43 10*	42½ N.	142 E.	Near southeast coast of Hokkaido, Japan. Felt.
14	22 19 55*	53½ N.	159½ E.	Kamchatka.
15	02 57 50*	3 S.	140 E.	Near north coast of New Guinea.
15	04 04 24*	21 S.	67 W.	Bolivia.
15	11 34 50*	45 N.	111 W.	Hebgen Lake, Montana. Felt at West Yellowstone.
15	13 30 20*	24 N.	121½ E.	Near east coast of Formosa.
15	21 37 08*	54½ N.	164½ W.	Alaska Peninsula.
16	04 51 15*	36 N.	136 E.	Honshu, Japan. Felt.
16	14 46 53**			Andreanof Islands, Aleutian Islands. Felt at Adak.
17	09 19 32*	78 N.	8 E.	Svalbard region.
17	15 43 33*	23½ S.	176 W.	Tonga Islands region. h about 60 km.
18	06 35 09*	29 N.	130 E.	Ryukyu Islands. h about 100 km. Felt on Yaku-shima and at Kagoshima and Miyazaki, Japan. Mag. 6 3/4.
18	08 40 57*	27 N.	52½ E.	Persian Gulf.
18	18 08 54*	½ N.	121½ E.	Celebes. h about 60 km.
19	02 07 00*	36 N.	71 E.	Hindu Kush. Felt at Risalpur, Lahore. h about 200 km.
19	10 11 51*	17 S.	66 E.	Mascarene Islands region.
19	10 14 18**			Northern California.
19	16 46 10*	53 N.	166 W.	Fox Islands, Aleutian Islands.
19	22 12 06*	9½ S.	124 E.	Timor. h about 200 km.
20	00 23 22*	3½ S.	147½ E.	Near north coast of New Guinea.
20	04 14 33*	27½ N.	53 E.	Near coast of Iran, Persian Gulf. h about 100 km.
20	07 53 59*	28½ N.	130 E.	Ryukyu Islands.
20	11 12 31*	28 S.	167½ E.	Norfolk Island. Mag. 6 1/2 - 6 3/4.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
May	h m s	°	°	
20	17 42 25*	28½ S.	167½ E.	Norfolk Island.
20	17 54 02*	45 N.	111 W.	Hebgen Lake, Montana. Felt at Gibbon Meadows.
20	18 36 06*	45 N.	111½ W.	Hebgen Lake, Montana. Felt at Canyon.
20	19 37 41*	4½ S.	150½ E.	New Britain region. Felt at Rabaul, Taliligap, Karlai and Lolabau.
21	06 08 55*	20½ S.	178 W.	Fiji Islands region. h about 600 km.
21	06 41 10*	37½ N.	21 E.	Near west coast of Greece.
21	08 17 01*	15½ N.	121½ E.	Luzon Island, Philippine Islands. Felt at Manila and Baguio.
21	10 02 50*	37½ S.	73½ W.	Near coast of Chile. Several injured and moderate property damage at Concepcion and surrounding area. Mag. 7¼.
21	10 53 51*	37½ S.	72½ W.	Chile.
21	11 47 03*	8 S.	114 E.	Near coast of Java. h about 60 km.
21	11 47 58*	38 S.	71 W.	Chile.
21	12 21 16*	37½ S.	73 W.	do.
21	12 59 58*	37½ S.	72½ W.	do.
21	13 59 17*	37½ S.	72½ W.	do.
21	14 31 55*	37½ S.	72½ W.	do.
21	15 08 45*	37½ S.	72½ W.	do.
21	19 06 23*	37½ S.	73½ W.	do.
22	00 58 06*	28½ S.	167½ E.	Norfolk Island region.
22	03 46 22*	37½ S.	73 W.	Chile.
22	04 15 45*	37 S.	73 W.	do.
22	06 01 36*	38 S.	73½ W.	do.
22	07 07 18*	38 S.	75 W.	do.
22	08 10 53*	37½ S.	73 W.	do.
22	10 30 39*	38 S.	73½ W.	Near coast of Chile. Mag. 6½.
22	10 32 43*	37½ S.	73 W.	Near coast of Chile. Mag. 7¼-7½.
22	10 56 26*	19½ N.	121½ E.	Babuyan Islands.
22	12 16 43*	38 S.	73 W.	Chile.
22	13 02 56*	38 S.	73 W.	do.
22	17 12 34*	38½ S.	73½ W.	do.
22	18 55 57*	38 S.	73½ W.	Near coast of Chile. Mag. 6½.
22	19 10 37*	38½ S.	74½ W.	Chile.
22	19 11 17*	39½ S.	74½ W.	Near coast of Chile. Mag. 8.3. More than 2,000 killed, 3,000 injured and $550 million damage in Chile; Seismic sea wave caused 56 deaths, $75 million damage in Hawaii; 138 deaths and $50 million damage in Japan; $500 thousand damage to west coast of the United States.
22	22 07 48*	44 S.	72 W.	Chile. h about 60 km.
22	22 14 02*	39 S.	74 W.	Chile.
22	22 48 14*	38 S.	73½ W.	Chile. h about 60 km.
22	23 04 38*	41 S.	76 W.	do.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
May	h m s	°	°	
22	23 12 39*	40 S.	75 W.	Chile.
22	23 29 18*	39½ S.	72 W.	do.
23	23 32 40*	41½ S.	73½ W.	Chile. h about 60 km.
22	23 34 59*	42 S.	73 W.	do.
22	23 56 10*	42½ S.	74 W.	do.
23	00 07 58*	44 S.	75 W.	do.
23	00 25 44*	38½ S.	75 W.	Chile.
23	00 41 46*	39 S.	73½ W.	Chile. h about 60 km.
23	00 51 12*	37½ S.	72 W.	Chile.
23	00 53 57*	39½ S.	73 W.	do.
23	01 01 45*	38½ S.	72 W.	Chile. h about 60 km.
23	01 34 53*	39½ S.	74 W.	Chile.
23	01 42 40*	39½ S.	73½ W.	Chile. h about 60 km.
23	01 43 59*	38½ S.	75 W.	Chile.
23	01 55 57*	38 S.	74 W.	Chile. h about 60 km.
23	02 04 52*	38 S.	74 W.	Chile.
23	02 06 43*	41½ S.	75 W.	Chile. h about 60 km.
23	02 12 17*	42 S.	75 W.	Chile.
23	02 46 30*	41½ S.	73½ W.	do.
23	02 56 17*	43 S.	75½ W.	do.
23	03 03 16*	44 S.	74 W.	Chile. h about 60 km.
23	03 56 18*	38½ S.	74½ W.	Chile.
23	04 20 20*	43½ S.	72½ W.	Chile. h about 60 km.
23	04 26 58*	38 S.	75½ W.	Chile.
23	04 47 46*	43 S.	75 W.	do.
23	05 13 35*	38 S.	73½ W.	do.
23	05 48 02*	46½ S.	77 W.	do.
23	06 17 50*	38½ S.	74 W.	Chile. h about 60 km.
23	06 25 29*	38½ S.	76 W.	Chile.
23	07 09 17*	48 S.	77 W.	do.
23	08 13 15*	40½ S.	75½ W.	do.
23	09 52 20*	37½ S.	73 W.	do.
23	10 37 59*	43½ S.	73½ W.	do.
23	11 22 33*	41 S.	74½ W.	do.
23	12 02 36*	38 S.	76 W.	Chile. h about 60 km.
23	14 00 29*	45½ S.	77 W.	do.
23	14 01 37*	42½ S.	74 W.	Chile.
23	16 11 35*	16 S.	168 E.	New Hebrides Islands region. h about 250 km.
23	18 22 24*	41 S.	76½ W.	Chile.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
May	h m s	°	°	
23	18 55 20*	38½ S.	74 W.	Chile.
23	19 09 08*	40 S.	75½ W.	do.
23	19 44 24*	38½ S.	74½ W.	Chile. h about 60 km.
23	21 07 35*	40½ S.	75½ W.	do.
23	22 05 44*	37 S.	74 W.	do.
23	23 13 14*	41½ S.	74½ W.	Chile.
24	01 37 39*	43 S.	74½ W.	Chile. h about 60 km.
24	01 40 56*	41½ S.	74½ W.	Chile.
24	02 47 14*	41 S.	76 W.	do.
24	03 24 00*	38½ S.	74 W.	do.
24	04 57 32*	43½ S.	73½ W.	Chile. h about 60 km.
24	06 29 19*	1 N.	127 E.	Halmahera.
24	08 29 19*	38½ N.	90½ E.	Sinkiang Province, China. h about 60 km.
24	10 21 53*	38 S.	73½ W.	Chile. h about 60 km.
24	14 06 53*	43½ S.	76 W.	Chile.
24	14 46 34*	44½ S.	167½ E.	South Island, New Zealand. Felt on Milford sound. Mag. 6 3/4 - 7.
24	15 16 03*	42½ S.	73½ W.	Chile.
24	15 44 36*	40 S.	74 W.	Chile. h about 60 km.
24	20 32 43*	50½ S.	74 W.	Chile.
24	22 10 27*	40½ S.	72½ W.	do.
24	23 33 28*	1 N.	129½ E.	Halmahera.
25	00 19 20*	45 S.	76 W.	Chile.
25	03 16 13*	42 S.	74½ W.	Chile. h about 60 km.
25	04 44 14*	47 S.	75 W.	Chile. h about 60 km.
25	06 33 40*	40 S.	74 W.	Chile.
25	08 34 33*	45 S.	76 W.	Off coast of Chile. Mag. 6 3/4.
25	09 28 57*	17½ S.	179 W.	Fiji Islands. h about 550 km.
25	09 59 36*	38 S.	73½ W.	Chile. h about 60 km.
25	10 13 39*	28½ S.	177 W.	Kermadec Islands region. h about 60 km.
25	12 45 42*	41½ S.	74 W.	Chile. h about 60 km.
25	13 38 28*	1 N.	129½ E.	Halmahera.
25	14 27 38*	1 N.	128½ E.	do.
25	14 52 04*	41 S.	74 W.	Chile. h about 60 km.
25	14 59 12*	22 S.	179½ W.	Fiji Islands. h about 600 km.
25	15 05 15*	22 S.	179½ W.	do.
25	16 22 47*	39½ S.	75 W.	Chile.
25	18 39 46*	45 N.	111½ W.	Hebgen Lake, Montana.
25	19 21 48*	40 S.	75½ W.	Chile.
25	22 09 18*	41 S.	74 W.	Chile. h about 60 km.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
May	h m s	°	°	
26	00 01 25*	43 S.	74 W.	Chile.
26	01 11 12*	45 S.	75½ W.	Chile. h about 60 km.
26	01 29 10*	40½ S.	74 W.	Chile.
26	05 10 05*	40 N.	20 E.	Albania-Greece border. Mag. 6½. 8 people killed, 100 injured, 500 houses heavily damaged and 580 more suffered lighter damage centering around Korce.
26	06 43 17*	45½ S.	74 W.	Chile.
26	07 44 02*	38½ S.	73½ W.	Chile.
26	11 54 48*	42 S.	74 W.	Chile. h about 60 km.
26	12 20 33*	40 S.	76½ W.	do.
26	15 08 39*	41½ S.	73½ W.	do.
26	15 36 35*	39 S.	75 W.	do.
26	17 03 31*	43 S.	75 W.	do.
26	18 04 50*	4½ N.	96½ E.	Near coast of Sumatra.
26	19 33 56*	38½ S.	73 W.	Chile. h about 60 km.
26	20 05 07*	27 N.	93 E.	Eastern India. Felt.
27	00 25 03*	22 S.	172 E.	Loyalty Islands region.
27	00 36 17*	45 S.	73 W.	Chile.
27	00 59 46*	44½ S.	76 W.	do.
27	01 24 45*	42½ N.	98½ E.	Mongolia.
27	03 17 21*	41 S.	76 W.	Chile.
27	03 35 13*	42 S.	75 W.	Chile. h about 60 km.
27	04 35 26*	5 S.	153 E.	New Britain region. h about 60 km.
27	05 04 06*	42 S.	73½ W.	Chile. h about 60 km.
27	12 12 17*	42 S.	73½ W.	Chile. h about 60 km.
27	17 19 47*	56½ S.	26½ W.	Sandwich Islands.
27	18 25 06*	39½ S.	74½ W.	Chile.
27	20 10 00*	5½ S.	153 E.	New Britain region. h about 150 km. Felt at Taliligap.
27	20 49 23*	21 S.	70½ W.	Chile-Bolivia border. h about 60 km.
27	23 06 55*	45 S.	77 W.	Chile.
27	23 20 37*	44 S.	77 W.	do.
28	01 26 19*	40½ S.	75½ W.	do.
28	03 05 53*	39½ S.	74½ W.	do.
28	06 06 11*	46 S.	74½ W.	Chile. h about 60 km.
28	08 19 04*	19½ S.	68½ W.	Chile-Bolivia border. h about 150 km.
28	10 44 16*	40½ S.	74 W.	Chile. h about 60 km.
28	11 05 40*	38 S.	73 W.	Chile.
28	11 35 11*	34 N.	25½ E.	Crete. h about 100 km.
28	11 39 40*	43 S.	75½ W.	Chile.
29	01 28 49*	42½ S.	75 W.	Chile. h about 60 km.
29	01 51 19*	38½ S.	76 W.	Chile.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
May	h m s	°	°	
29	03 33 22*	38½ S.	74 W.	Chile.
29	07 39 29*	38 S.	72½ W.	Chile. Mag. 6½.
29	08 20 01*	25½ N.	124½ E.	Ryukyu Islands.
29	08 34 20*	37½ S.	73 W.	Chile.
29	10 17 40*	43 S.	73 W.	Chile.
29	14 05 25*	37½ S.	73 W.	do.
29	19 57 30*	0	121½ E.	Celebes.
29	21 23 54*	43 S.	77 W.	Chile.
29	21 39 46*	38 S.	73½ W.	Chile. h about 60 km.
30	07 00 38*	40 S.	73½ W.	Chile.
30	07 01 15*	53½ N.	164 W.	Unimak Island region.
30	08 29 27*	32 S.	177½ W.	Kermadec Islands region.
30	16 06 09*	15½ N.	121½ E.	Near coast of Luzon, Philippine Islands. h about 100 km. Felt at Baguio, Baler, Quezon City, Manila, and Castgoran.
30	17 46 43*	38½ S.	74 W.	Chile. h about 60 km.
31	00 23 49*	13½ N.	55 E.	Gulf of Aden. h about 60 km.
31	02 40 00*	39½ S.	75 W.	Chile. Mag. 6½.
31	03 54 46*	73½ N.	13 E.	Arctic Ocean.
31	04 33 15*	38½ S.	73½ W.	Chile.
31	04 52 28*	18 S.	168½ E.	New Hebrides Islands region.
31	11 02 20*	18 N.	62 W.	Leeward Islands. Felt at St. Kitts and Antigua. Mag. 6 1/2 - 6 3/4.
31	11 42 19*	19 N.	61½ W.	Leeward Islands region.
31	13 11 02*	7½ S.	156 E.	Solomon Islands.
31	16 19 51*	41½ S.	73½ W.	Chile.
31	18 34 04*	18½ S.	168 E.	New Hebrides Islands region.
31	19 01 30*	38 S.	74½ W.	Chile.
31	20 03 35*	42 S.	75 W.	Chile.
31	21 00 40*	5½ S.	109½ E.	Java Sea. h about 600 km.

ERATTA

Mar. 15	22 31 42*	18½ N.	145½ E.	Mariana Islands. h about 150 km.
23	01 07 15*	39½ N.	143 E.	Near east coast of Honshu, Japan.

Date and Station		Phase (GCT)
		h m s
May 1		
BH	iP	00 28 29
	iS	29 03
SJ	eP	00 32 07
May 1		
COL	eP	02 58 48
EUR	iP	03 02 16
HH	iP	03 01 45
	iPcP	04 29
SJ	iP	03 07 28
TUC	iP	03 03 20
	ePP	05 04
TUC-T	eP	03 03 20
May 1		
BH	iP	03 40 53
	iS	41 39
May 1		
COL	eP	04 42 31
	i(S)	43 30
	iL	43 46
EUR	eP	04 47 50
TUC	e(P)	04 48 52
May 1		
COL	eP	05 00 08
May 1		
COL	iP	07 43 18
May 1		
EUR	eP	14 07 09
TUC	eP	14 06 14
	eL	07 14
May 1		
EUR	iP	14 44 02
May 2		
EUR	iP	00 02 43
May 2		
EUR	iP	00 33 38
May 2		
COL	iP	01 10 38
EUR	eP	01 13 26
HH	eP	01 12 49
May 2		
COL	eP	02 31 18
EUR	eP	02 27 47
HH	iP	02 28 21

Date and Station		Phase (GCT)
		h m s
TUC	e(P)	02 26 52
TUC-T	eP	02 26 45
	e	26 51
May 2		
COL	eP	02 55 23
May 2		
SLC	e(P)	03 31 11
May 2		
EUR	iP	03 52 13
May 2		
COL	eP	04 29 50
EUR	iP	04 29 15
TUC	iP	04 29 11
TUC-T	iP	04 29 11
May 2		
COL	iP	04 47 01
EUR	iP	04 46 40
TUC	eP	04 46 41
TUC-T	eP	04 46 42
May 2		
GUAM	eP	05 21 29
May 2		
COL	eP	08 56 04
EUR	iP	08 59 30
TUC	eP	09 00 34
TUC-T	eP	09 00 34
May 2		
COL	eP	12 03 51
May 2		
COL	eP	12 04 39
EUR	eP'	12 10 17
GUAM	eP	11 57 16
May 2		
EUR	eP	12 21 01
May 2		
BC	eP'	12 29 01
BOZ	eP'	12 28 56
	ePKKP	39 37
BUT	e(P)	12 25 06
	eP'	28 50
	ePKKP	39 42

Date and Station		Phase (GCT)
		h m s
COL	iP	12 23 12
	eS	34 11
	ePKKP	39 34
	eL	46 14
EUR	eP	12 25 01
	iP'	28 55
	iPKKP	39 34
	e	42 26
GUAM	iP	12 15 57
	eS	20 24
HH	eP	12 24 31
	eP'	28 45
	ePP	29 33
	ePKKP	39 54
SJ	iP'	12 30 14
	i	30 28
	i	30 56
	i	31 12
SLC	eP'	12 29 00
	ePKKP	39 30
THULE	eP	12 24 14
	ePKKP	40 09
TUC	eP'	12 29 09
TUC-T	eP'	12 29 09
	ePP	30 31
	ePKKP	39 11
May 2		
THULE	e(P)	13 51 19
May 2		
EUR	eP	14 27 06
	eL	27 58
HH	eP	14 27 10
	iL	28 15
May 2		
COL	e(P)	14 52 48
May 2		
COL	iP	18 03 11
EUR	eP	18 02 54
TUC-T	iP	18 02 56
May 2		
COL	eP	18 19 20
EUR	eP	18 22 20
THULE	eP	18 21 11
May 2		
HH	eP	18 50 38
May 2		
SLC	e(P)	19 31 04
	e	36 07

Date and Station		Phase (GCT)
		h m s
May 2		
COL	eP	20 44 55
EUR	iP	20 44 24
TUC-T	iP	20 44 21
May 3		
COL	iP	07 11 39
THULE	iP	07 10 12
May 3		
COL	iP	08 06 37
May 3		
EUR	iP	08 08 37
GUAM	iP	08 04 59
HH	eP	08 08 47
TUC	iP	08 08 37
TUC-T	iP	08 08 37
May 3		
EUR	eP	08 17 25
May 3		
COL	e(P)	08 20 16
EUR	iP	08 19 55
GUAM	iP	08 16 25
SLC	eP	08 20 11
	ePP	23 54
TUC	iP	08 19 54
TUC-T	iP	08 19 55
May 3		
COL	eP	09 12 11
EUR	eP	09 15 18
HH	eP	09 14 54
May 3		
BC	eP	11 33 51
EUR	eP	11 35 23
TUC	e(P)	11 33 25
	e	33 33
	eL	34 10
TUC-T	eP	11 33 26
	e	33 34
	eL	34 13
May 3		
BC	eP	12 10 21
EUR	e(P)	12 11 50

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Date and Station		Phase (GCT) h m s
TUC	e(P)	12 09 47
	eL	10 38
TUC-T	eP	12 09 51
	i	09 58
	eL	10 38
May 3 EUR	iP	13 08 39
May 3 BC	eP'	13 40 56
COL	iP	13 35 10
EUR	eP'	13 40 51
GUAM	eP	13 27 52
HH	eP'	13 40 46
	ePP	41 32
SJ	iPP	13 43 52
May 3 HH	e(P)	14 09 06
TUC-T	eP	14 07 44
May 3 COL	eP	14 40 59
EUR	iP	14 44 06
HH	eP	14 43 40
May 3 COL	iP	15 10 22
EUR	iP	15 13 41
	iPcP	13 59
	i	14 11
HH	eP	15 13 13
THULE	eP	15 12 32
May 3 EUR	eP	15 32 23
May 3 EUR	eP	15 54 40
May 3 THULE	iP	16 28 07
	i	28 29
May 3 EUR	eP	16 45 01
May 3 COL	iP	20 39 15
	iL	39 22
May 3 EUR	eP	21 44 07
May 3 BC	eP	22 34 54

Date and Station		Phase (GCT) h m s
BOZ	eP	22 34 37
BUT	iP	22 34 35
	epP	35 28
COL	iP	22 31 53
EUR	iP	22 34 38
GUAM	eP	22 26 58
	eS	30 28
HH	iP	22 34 19
SLC	eP	22 34 49
THULE	eP	22 33 41
	ipP	34 15
TUC	e(P)	22 35 19
TUC-T	eP	22 35 18
	ePP	38 42
	i	38 49
UKIAH	eP	22 34 13
May 3 EUR	eP	23 31 38
May 3 EUR	eP	23 43 15
May 4 COL	eP	00 09 25
	ipP	11 36
EUR	iP	00 09 04
GUAM	iP	00 05 38
TUC	iP	00 09 05
TUC-T	iP	00 09 05
May 4 TUC	e(P)	01 17 06
May 4 EUR	iP	01 39 59
HH	eP	01 40 32
May 4 EUR	eP	06 38 10
May 4 EUR	iP	07 39 53
May 4 HH	eP	09 08 12
	iL	09 58
May 4 TUC-T	iP	18 19 39
	iL	19 58
May 4 COL	iP	18 42 42

Date and Station		Phase (GCT) h m s
EUR	iP	18 42 39
HH	eP	18 43 05
SLC	eP	18 42 56
TUC	eP	18 42 43
	e	42 52
TUC-T	eP	18 42 43
May 4 COL	iP	22 12 24
	i(pP)	12 52
May 4 COL	eP	23 15 14
May 4 COL	i(P)	23 18 18
May 4 COL	e(P)	23 19 32
May 4 RC	eP	23 59 54
May 5 COL	iP	01 08 11
	i	08 15
	iS	08 37
	iL	08 42
May 5 COL	iP	03 31 10
May 5 BOZ	eP	03 39 54
	e	41 17
BUT	iP	03 40 04
	iS	40 13
	iL	40 23
EUR	eP	03 41 40
HH	iP	03 40 39
	iS	41 24
	iL	41 28
RC	iP	03 41 31
	e	42 07
	eS	42 50
	iL	43 09
May 5 HH	eP	08 30 09
May 5 BC	eP	11 36 14
	e	36 26
BOZ	eP	11 35 42
	e	35 55
BUT	eP	11 35 34
	ePcP	36 15

Date and Station		Phase (GCT) h m s
COL	iP	11 32 09
	eS	37 04
	e	37 33
	eL	39 21
COLU	eP	11 38 09
EUR	iP	11 35 52
	eP'P'	12 05 06
HH	iP	11 35 17
RC	iP	11 36 16
	i	36 34
	i	36 39
	eP'P'	12 05 41
SLC	eP	11 36 02
	e	36 30
	ePcP	36 43
THULE	iP	11 34 41
TUC	iP	11 36 45
TUC-T	iP	11 36 46
	i	37 02
UKIAH	eP	11 35 37
May 5 HH	e(P)	14 43 23
May 5 TUC	eP	15 43 49
	e	44 39
TUC-T	eP	15 43 45
	i	43 50
May 5 COL	eP'	16 17 16
HH	eP'	16 16 32
	eSKP	19 37
May 5 EUR	eP	16 44 18
HH	iP	16 43 42
	iL	44 51
RC	eP	16 44 21
May 5 HH	e(P)	16 48 22
	iL	49 27
May 5 BC	eP	17 25 10
COL	iP	17 21 38
	ipP	22 00
EUR	iP	17 24 52
	ipP	25 14
HH	iP	17 24 25

Date and Station		Phase (GCT)
		h m s
RC	iP	17 25 38
TUC	eP	17 26 01
TUC-T	e(P)	17 25 38
	epP	26 01
May 5		
RC	iP	17 41 02
May 5		
TUC-T	iP	20 10 49
	iL	11 08
May 5		
RC	e	21 46 06
	i	46 31
May 5		
TUC-T	eP	22 39 46
May 6		
BH	iP	00 03 54
	iS	04 44
May 6		
EUR	iP	05 03 31
HH	eP	05 04 06
SJ	iP	04 59 06
TUC	iP	05 02 31
TUC-T	iP	05 02 31
May 6		
COL	iP	05 11 15
EUR	iP	05 14 42
HH	eP	05 14 11
May 6		
COL	iP	05 37 58
EUR	iP	05 38 18
May 6		
BUT	eP	06 31 14
EUR	eP	06 30 57
	ipP	31 21
HH	iP	06 31 27
	epP	31 50
SJ	iP	06 26 44
	ipP	27 07
TUC	eP	06 30 07
	epP	30 29
May 6		
BC	eP	12 18 10
BOZ	e(P)	12 19 22
COL	iP	12 22 59

Date and Station		Phase (GCT)
		h m s
COL	iP	12 22 59
	i	23 54
EUR	iP	12 18 45
HH	iP	12 19 49
TUC	iP	12 17 27
May 6		
COL	i(P)	13 14 57
EUR	eP	13 18 25
May 6		
EUR	eP	16 26 01
May 6		
EUR	eP	17 29 20
May 6		
BOZ	e(P)	18 57 09
COL	iP	18 53 15
EUR	iP	18 57 04
	iPcP	58 03
HH	eP	18 56 26
	iPcP	57 45
THULE	iP	18 55 53
TUC	e(P)	18 58 06
TUC-T	eP	18 58 05
May 6		
COL	iP	19 06 54
EUR	iP	19 04 05
	eP'P'	35 32
HH	iP	19 04 39
SJ	iP	18 59 38
THULE	iP	19 06 26
	i	06 35
TUC	iP	19 03 08
TUC-T	iP	19 03 07
May 6		
HH	e(P)	19 36 22
TUC-T	eP	19 34 30
May 6		
BC	eP	20 30 03
	eL	31 08
BOZ	e(P)	20 30 09
EUR	iP	20 29 43
	i	29 56
	eS	30 46
	iL	30 52

Date and Station		Phase (GCT)
		h m s
HH	eP	20 30 50
SLC	iP	20 29 03
	iS	29 54
	iL	30 08
TUC	eP	20 30 48
	eL	32 18
TUC-T	e(P)	20 30 32
	i	30 46
	iL	32 22
May 6		
BC	iP	22 27 48
May 6		
GUAM	eP	22 45 28
	eS	46 15
HH	iP	22 57 33
May 6		
HH	iP	23 25 24
May 7		
TUC	eP	00 04 25
May 7		
EUR	eP	03 07 35
May 7		
EUR	iP	06 12 24
May 7		
TUC	iP	06 59 20
May 7		
COL	e(P)	07 45 20
May 7		
SJ	eP	08 05 16
May 7		
SLC	eP	10 40 09
TUC	e(P)	10 41 52
May 7		
SLC	eP	11 41 29
	e	42 02
May 7		
HH	e(P)	11 45 52
May 7		
HH	i(P)	12 15 09
May 7		
COL	iP	14 19 31
	i	19 52
EUR	iP	14 22 45
HH	iP	14 22 18
May 7		
THULE	eP	14 23 25

Date and Station		Phase (GCT)
		h m s
May 7		
HH	iP	19 53 15
May 7		
EUR	e(P)	20 31 17
May 7		
EUR	eP	22 54 58
HH	e(P)	22 54 04
	e	57 06
May 7		
COL	iP	23 36 36
HH	iP	23 35 46
May 8		
EUR	iP	00 12 58
May 8		
HH	iP	00 23 40
TUC	eP	00 24 37
May 8		
EUR	eP	02 28 34
TUC	e(P)	02 28 32
	e	28 36
May 8		
EUR	eP	03 15 26
May 8		
BC	eP	03 30 43
COL	eP	03 34 39
EUR	iP	03 31 12
HH	eP	03 32 14
RC	eP	03 31 41
May 8		
SLC	eP	05 12 33
	e	13 51
May 8		
COL	eP	05 22 55
	epP	24 30
EUR	eP	05 22 33
TUC	eP	05 22 38
TUC-T	eP	05 22 34
May 8		
BC	eP	05 42 32
COL	e(P)	05 43 11
EUR	iP	05 42 38
TUC	iP	05 42 34
	e	42 52

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Date and Station		Phase (GCT) h m s
TUC-T	iP	05 42 34
May 8		
EUR	eP	10 07 10
May 8		
EUR	eP	12 06 57
May 8		
BC	eP	12 14 53
COL	eP	12 20 07
EUR	iP	12 15 19
HH	e(P)	12 16 09
TUC	iP	12 14 04
TUC-T	iP	12 14 04
May 8		
COL	iP	12 35 11
	epP	36 02
May 8		
GUAM	iP	13 43 13
	iS	43 24
May 8		
COL	eP	13 56 39
THULE	eP	13 55 32
May 8		
EUR	iP	14 21 06
HH	eP	14 21 58
TUC-T	eP	14 20 21
May 8		
BC	eP	14 40 16
BUT	iP	14 39 42
COL	iP	14 36 36
	i	36 48
EUR	iP	14 39 57
	i	40 12
HH	iP	14 39 28
RC	iP	14 40 24
SLC	eP	14 40 07
THULE	iP	14 38 49
TUC	iP	14 40 46
TUC-T	iP	14 40 46
	e	40 58
	ePP	43 39
May 8		
TUC	e(P)	14 46 14
	i	46 20

Date and Station		Phase (GCT) h m s
TUC-T	eP	14 46 10
	i	46 13
May 8		
BOZ	eP	15 39 50
May 8		
THULE	eP	16 56 52
May 8		
TUC	iP	18 35 40
	iL	36 03
TUC-T	iP	18 35 38
	iL	35 56
May 8		
COL	iP	21 08 44
May 9		
BUT	iP	00 23 50
COL	iP	00 21 21
EUR	iP	00 24 01
	ipP	24 38
RC	iP	00 25 20
SLC	eP	00 24 09
THULE	iP	00 22 40
TUC-T	eP	00 24 37
May 9		
EUR	eP	02 51 01
May 9		
COL	iP	02 58 49
May 9		
EUR	eP	04 10 57
May 9		
EUR	eP	04 31 27
May 9		
EUR	eP	04 42 36
May 9		
EUR	eP	06 07 10
May 9		
SJ	iP	06 47 55
	iS	49 19
May 9		
GUAM	iP	06 53 39
	eS	53 59
May 9		
BC	eP	06 55 18
BUT	eP	06 55 28
COL	eP	06 58 00
EUR	iP	06 55 31

Date and Station		Phase (GCT) h m s
HH	eP	06 55 41
RC	eP	06 54 36
SJ	iP	06 47 56
	iS	49 19
SLC	eP	06 55 11
TUC	eP	06 54 46
TUC-T	iP	06 54 46
May 9		
SJ	eP	06 54 24
	i	54 49
	i	55 17
TUC	eP	06 58 40
TUC-T	eP	06 58 40
May 9		
COL	eP	07 04 17
EUR	eP	07 06 09
HH	eP	07 06 04
May 9		
COL	iP	09 11 53
EUR	iP	09 12 45
	i	13 16
HH	e(P)	09 12 54
May 9		
COL	eP	12 05 02
May 9		
COL	eP	14 40 53
May 9		
COL	iP	14 48 35
	i	48 49
THULE	eP	14 48 21
May 9		
BC	eP	16 39 37
COL	eP	16 40 49
EUR	iP	16 39 42
HH	iP	16 39 34
SLC	eP	16 39 24
THULE	iP	16 38 55
TUC	iP	16 39 18
TUC-T	iP	16 39 17
	e	40 11
May 9		
COL	eP	17 13 18

Date and Station		Phase (GCT) h m s
EUR	iP	17 13 39
May 9		
BOZ	e(P)	17 43 40
May 9		
BC	eP	20 21 12
COL	eP	20 25 13
	eS	34 58
	eL	50 10
COLU	eP	20 21 38
EUR	iP	20 21 44
	i	22 00
	iPP	23 33
HH	eP	20 22 43
RC	eP	20 22 09
TUC	e(P)	20 20 52
	e	21 27
	eS	26 30
	eL	31 48
TUC-T	eP	20 20 35
UKIAH	eP	20 21 55
May 9		
BOZ	iP	23 46 08
	iS	46 20
	iL	46 33
BUT	iP	23 46 13
	iS	46 39
	iL	46 47
EUR	eP	23 47 31
	eL	49 01
HH	iP	23 46 55
	iL	47 58
May 10		
BOZ	eP	00 23 07
May 10		
EUR	eP	03 54 40
May 10		
COL	eP	06 27 41
THULE	eP	06 29 52
May 10		
EUR	eP	09 44 32
HH	iP	09 45 02
RC	eP	09 44 20
TUC	eP	09 43 44
TUC-T	eP	09 43 44

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Date and Station		Phase (GCT)
		h m s
May 10		
RC	eP	09 58 55
May 10		
COL	iP	10 30 59
	epP	32 53
EUR	eP	10 30 35
TUC	eP	10 30 35
TUC-T	eP	10 30 35
May 10		
COL	iP'	11 15 54
EUR	eP'	11 15 05
HH	eP'	11 15 06
THULE	e(P')	11 15 21
TUC-T	eP'	11 15 34
May 10		
EUR	eP	11 25 01
May 10		
HH	eP	12 15 49
	iL	16 54
RC	eP	12 17 48
May 10		
EUR	eP	13 22 21
May 10		
TUC-T	iP	15 48 59
	iL	49 18
May 10		
COL	e(P)	17 03 33
EUR	eP	17 07 10
May 10		
COL	eP	17 42 12
EUR	eP	17 45 54
May 10		
COL	eP	21 46 27
EUR	iP	21 42 16
HH	eP	21 43 20
TUC-T	eP	21 40 52
May 10		
COL	eP	22 04 50
May 10		
BC	eP	23 22 17
BUT	eP	23 23 13
COL	iP	23 26 38
COLU	eP	23 21 10

Date and Station		Phase (GCT)
		h m s
EUR	iP	23 22 45
HH	iP	23 23 34
RC	iP	23 22 32
SLC	eP	23 22 34
THULE	eP	23 26 45
TUC	iP	23 21 31
	eL	29 08
TUC-T	iP	23 21 32
	i	22 05
May 10		
BUT	eP	23 30 10
	epP	30 30
COL	iP	23 27 48
EUR	iP	23 30 21
	ipP	30 42
HH	iP	23 29 57
	ipP	30 18
RC	eP	23 30 42
THULE	iP	23 28 55
	ipP	29 17
TUC	eP	23 31 20
TUC-T	eP	23 31 20
May 11		
HH	iP	02 27 45
TUC-T	eP	02 26 28
May 11		
HH	e(P')	04 17 27
May 11		
TUC	e(P)	07 04 18
	e	04 29
TUC-T	eP	07 04 30
	e	05 36
May 11		
TUC	eP	10 51 44
TUC-T	eP	10 51 45
May 11		
COL	e(P)	11 18 40
May 11		
EUR	eP	14 16 39
May 11		
EUR	eP	17 10 37

Date and Station		Phase (GCT)
		h m s
May 11		
COL	iP	18 49 01
	eS	59 45
	e	19 02 10
	eL	14 12
EUR	eP	18 50 38
	iPP	55 10
GUAM	iP	18 40 56
	iS	44 58
HH	e(P)	18 50 36
	e	54 49
	ePKKP	19 05 41
KIP	eP	18 47 39
SJ	iP'	18 56 33
TUC-T	eP'	18 54 48
	ePP	55 50
May 11		
BC	eP	20 19 31
COL	iP	20 15 03
	iL	18 24
EUR	eP	20 17 55
HH	eP	20 18 16
May 11		
HH	e(P)	22 03 23
May 12		
EUR	eP	02 33 26
TUC	e(P)	02 33 28
TUC-T	eP	02 33 28
May 12		
EUR	eP	04 46 58
May 12		
EUR	eP'	06 41 19
	e(pP')	41 50
	eSKP	44 27
HH	iP'	06 41 10
	iSKP	44 34
TUC	eP'	06 44 52
TUC-T	eP'	06 44 52
	i	44 54
May 12		
COL	eP	12 22 30
EUR	iP	12 19 48
HH	e(P)	12 20 36
TUC	e(P)	12 18 50
	e	19 19

Date and Station		Phase (GCT)
		h m s
TUC-T	eP	12 18 50
	e	19 19
May 12		
COL	e(P)	15 32 03
May 12		
BC	eP	16 11 31
BOZ	eP	16 11 23
COL	eP	16 13 41
HH	iP	16 11 01
RC	iP	16 12 37
TUC-T	eP	16 12 35
	e	12 45
UKIAH	eP	16 09 52
	e	10 06
May 12		
COL	iP	16 24 53
May 12		
TUC	iP	17 56 25
	iS	57 08
	iL	57 13
TUC-T	eP	17 56 15
	e	56 27
	eL	57 05
May 12		
COL	eP	19 11 42
May 12		
TUC-T	eP	20 59 45
	i	21 04 38
May 12		
COL	eP	21 34 13
May 12		
BC	eP	22 40 29
BH	iP	22 33 05
	iS	33 29
BOZ	eP	22 41 01
COL	iP	22 44 07
	iS	53 43
	eL	23 07 46
COLU	eP	22 38 12
	eS	42 52
HH	iP	22 41 26
RC	iP	22 40 22
	i	40 46
	e	42 19
SJ	iP	22 36 44

Date and Station		Phase (GCT)
		h m s
THULE	iP	22 43 40
TUC	eP	22 39 48
	ePP	41 18
	eL	50 44
TUC-T	iP	22 39 46
	iPP	41 17
UKIAH	eP	22 41 26
WASH	iP	22 38 58
	eS	43 50
	eL	46 00
May 12		
BH	iP	22 36 49
	iS	37 13
May 12		
BH	iP	22 42 17
	iS	42 41
May 12		
BH	iP	22 44 38
	iS	45 01
COL	iP	22 54 14
May 12		
BH	iP	22 48 14
	iS	48 38
May 12		
BH	iP	22 52 43
	iS	53 05
May 12		
BH	iP	22 53 28
	iS	53 52
May 12		
BH	iP	22 55 17
	iS	55 41
COL	e(P)	23 06 19
HH	e(P)	23 03 36
RC	eP	23 02 52
	e	09 24
May 12		
BH	iP	23 00 14
	iS	00 38
May 12		
BH	iP	23 01 08
	iS	01 32
COL	eP	23 12 10
HH	eP	23 09 29
SJ	iP	23 04 46
	i	04 53
THULE	iP	23 11 43

Date and Station		Phase (GCT)
		h m s
TUC	e(P)	23 07 54
	ePP	09 19
TUC-T	eP	23 07 53
	ePP	09 19
May 12		
BH	iP	23 05 00
	iS	05 24
May 12		
BH	iP	23 13 18
	iS	13 41
May 12		
BOZ	eP	23 24 06
May 12		
BH	iP	23 24 17
	iS	24 40
May 12		
BH	iP	23 32 18
	iS	32 42
SLC	eP	23 40 35
	e	40 49
May 13		
BH	iP	00 13 30
	iS	13 53
SJ	iP	00 17 21
May 13		
BH	iP	00 31 08
	iS	31 32
COL	eP	00 42 09
HH	e(P)	00 39 29
RC	eP	00 38 28
SJ	iP	00 34 49
	e	35 03
TUC-T	eP	00 37 52
May 13		
BH	iP	00 34 02
	iS	34 26
COL	eP	00 45 02
May 13		
GUAM	iP	00 44 11
	iS	44 28
May 13		
BH	iP	00 51 44
	iS	52 07
May 13		
BH	iP	01 11 02
	iS	11 26
COL	eP	01 22 04

Date and Station		Phase (GCT)
May 13		h m s
BH	iP	01 19 08
	iS	19 32
May 13		
BH	iP	08 08 46
	iS	09 10
May 13		
BC	eP	10 04 41
BOZ	eP	10 06 16
COL	eP	10 09 49
HH	eP	10 06 40
RC	eP	10 06 04
	iP	06 06
	e	06 27
	iS	10 58
SLC	eP	10 05 27
TUC	iP	10 03 43
	eS	06 14
	eL	07 14
TUC-T	iP	10 03 44
	eL	07 51
May 13		
BC	eP	10 09 33
BOZ	eP	10 11 08
TUC	iP	10 08 34
TUC-T	iP	10 08 35
May 13		
TUC	eP	10 13 26
TUC-T	eP	10 13 26
May 13		
HH	i(P)	10 22 51
TUC	iP	10 20 42
TUC-T	eP	10 20 42
May 13		
BC	eP	10 25 08
RC	eP	10 26 34
TUC	iP	10 24 10
TUC-T	iP	10 24 10
May 13		
BH	iP	12 27 32
	iS	27 56
May 13		
DH	iP	14 35 39
	iS	36 18

Date and Station		Phase (GCT)
May 13		h m s
BC	eP	16 14 24
	e	14 31
BOZ	eP	16 13 49
	iP	13 59
COL	eP	16 10 07
	iS	12 38
	iL	13 18
COLU	eP	16 17 03
	eS	24 56
EUR	iP	16 13 57
	eP'F'	46 56
GUAM	iP	16 17 09
HH	iP	16 13 20
	i	13 31
	i	16 24
KIP	eP	16 13 54
	iPP	15 03
RC	iP	16 14 25
	i	14 44
	i	14 51
	i	15 03
	i	15 14
	i	15 31
	iPP	15 40
SLC	eP	16 14 01
	e	14 37
SJ	iP	16 19 13
	i	19 24
THULE	eP	16 14 33
	i	14 48
	i	15 14
	eS	20 19
	i	20 52
TUC	eP	16 15 06
	eS	21 24
	e	24 57
	eL	26 44
TUC-T	iP	16 15 05
	eL	25 08
WASH	iP	16 16 54
	i	17 01
	e	17 39
May 13		
EUR	iP	16 45 04
May 13		
BH	iP	17 58 04
	iS	58 28
May 13		
HH	i(P)	18 41 51

Date and Station		Phase (GCT)
		h m s
May 13		
COL	e(P)	19 06 28
May 13		
EUR	iP	20 31 38
TUC-T	eP	20 31 34
	e	31 43
May 13		
BC	eP	20 59 43
EUR	iP	20 59 50
	i	21 00 30
TUC	eP	20 59 46
May 13		
EUR	eP	21 03 08
May 13		
EUR	iP	21 04 43
TUC	eP	21 04 38
May 13		
EUR	iP	21 11 40
May 14		
EUR	iP	00 23 39
TUC	eP	00 22 05
TUC-T	eP	00 22 01
May 14		
EUR	eP	00 43 47
TUC	eP	00 42 31
TUC-T	eP	00 42 31
May 14		
BH	iP	02 19 09
	iS	19 33
May 14		
BH	iP	03 09 19
	iS	09 43
May 14		
HH	eP	03 38 31
May 14		
TUC-T	eP	04 05 41
May 14		
BH	iP	04 12 20
	iS	12 45
May 14		
BH	iP	08 02 46
	iS	03 11
May 14		
BUT	e(P)	09 40 03
May 14		
COL	eP	11 35 07

Date and Station		Phase (GCT)
		h m s
EUR	iP	11 38 22
HH	iP	11 37 53
THULE	eP	11 36 55
May 14		
BC	eP	12 30 16
	eL	31 14
EUR	iP	12 29 22
	i(S)	29 45
May 14		
BC	eP	12 40 36
	eL	41 36
EUR	iP	12 39 44
	i(S)	40 08
May 14		
HH	e(P)	13 00 34
May 14		
BC	eP	15 53 25
	iP	53 35
	e	54 30
EUR	iP	15 52 38
	iS	53 22
	iL	53 26
SLC	eP	15 54 42
TUC	eP	15 52 54
May 14		
HH	e(P)	15 56 50
TUC-T	eP	15 57 07
May 14		
COL	eP	16 55 47
May 14		
COL	iP	17 51 23
EUR	iP	17 54 38
	ipP	55 09
HH	iP	17 54 10
THULE	iP	17 53 16
	i	53 37
May 14		
BUT	iP	17 58 16
	eS	58 32
	eL	58 43
HH	eP	17 58 54
	iL	59 53
May 14		
EUR	iP	20 04 43
May 14		
BOZ	eP	21 29 27

Date and Station		Phase (GCT)
		h m s
May 14		
BC	eP	22 30 00
COL	iP	22 25 52
COLU	eP	22 31 56
EUR	iP	22 29 38
	i	29 49
	eScP	34 28
	eP'P'	59 11
HH	iP	22 29 02
	iPcP	30 15
RC	iP	22 30 03
	i	30 13
	i	30 29
	i	30 42
SLC	eP	22 29 48
THULE	iP'	22 28 27
	ePP	30 05
	eS	35 06
TUC	eP	22 30 33
May 14		
COL	iP	23 28 12
EUR	eP	23 27 40
HH	eP	23 28 13
May 15		
EUR	iP	01 23 10
May 15		
HH	i(P)	02 00 05
May 15		
BH	iP	03 22 55
	iS	23 19
May 15		
EUR	iP	04 16 11
HH	iP	04 16 40
TUC	eP	04 15 21
May 15		
HH	iP	07 29 07
	iL	30 13
RC	eP	07 30 14
May 15		
HH	iP	07 58 08
	iL	59 12
May 15		
HH	iP	08 50 55
	iL	51 59
May 15		
HH	iP	10 48 22
	iL	49 27

Date and Station		Phase (GCT)
		h m s
May 15		
BOZ	eP	11 35 05
	eS	35 16
	eL	35 27
BUT	eP	11 35 17
EUR	eP	11 36 28
	eS	37 47
	eL	37 52
HH	iP	11 35 52
	iL	36 57
RC	eP	11 36 15
SLC	eP	11 35 54
May 15		
COL	e(P)	11 46 07
May 15		
BUT	eP	13 43 44
COL	iP	13 41 27
EUR	eP	13 43 57
GUAM	e(P)	13 35 37
	iP	35 40
	eT	14 00 38
HH	iP	13 43 34
THULE	eP	13 42 27
May 15		
COL	iP	14 42 02
	iS	42 06
	iL	42 08
May 15		
BH	iP	18 56 37
	iS	56 58
May 15		
COL	eP	19 03 28
May 15		
EUR	eP	21 11 28
May 15		
BC	eP	21 44 42
COL	iP	21 40 24
	i	40 30
	eL	44 40
EUR	iP	21 44 07
	i	44 18
	eL	50 18
HH	iP	21 43 31
	i	46 24
	eL	50 04
RC	eP	21 44 45

Date and Station		Phase (GCT) h m s
THULE	iP	21 44 39
TUC	eP	21 45 21
	i	45 23
May 15		
HH	iP	22 42 56
	iL	44 00
May 16		
EUR	eP	00 09 33
May 16		
HH	iP	00 25 44
	iL	26 50
May 16		
HH	iP	00 27 20
	iL	28 25
May 16		
HH	eP	01 07 43
	iL	08 49
May 16		
BH	iP	01 59 04
	iS	59 27
May 16		
HH	iP	02 09 56
	iL	11 01
May 16		
EUR	eP	04 00 46
May 16		
EUR	iP	04 30 38
TUC	eP	04 30 35
May 16		
GUAM	iP	05 00 22
	iS	00 34
May 16		
COL	eP	05 00 29
EUR	iP	05 03 25
	ipP	04 37
HH	eP	05 03 00
	e	04 28
TUC	eP	05 04 13
May 16		
SLC	eP	09 40 05
May 16		
BC	eP	14 55 17
COL	eP	14 51 12
	iP	51 14
EUR	iP	14 54 42
	i	54 54

Date and Station		Phase (GCT) h m s
HH	iP	14 54 11
	iPcP	56 20
	i	56 35
SLC	eP	14 55 08
May 16		
COL	iP	15 21 06
May 16		
EUR	eP	18 12 19
May 16		
HH	e(P)	19 26 24
May 16		
COL	iP	19 32 43
May 16		
EUR	iP	19 33 03
HH	e(P)	19 33 21
May 16		
EUR	eP	20 20 36
May 16		
COL	iP	20 47 35
	i	49 05
	iL	49 54
EUR	eP	20 45 01
May 16		
BC	eP	22 45 45
May 17		
HH	eP	02 47 47
	iL	48 32
May 17		
HH	eP	02 50 09
	iL	50 55
May 17		
EUR	eP	03 10 41
May 17		
BC	eP	09 02 20
EUR	eP	09 02 21
TUC	e(P)	09 00 52
	i	01 07
	eL	01 58
May 17		
BC	eP	09 29 47
	e	32 06
COL	iP	09 26 37
EUR	eP	09 29 24
HH	e(P)	09 28 18
RC	eP	09 28 35

Date and Station		Phase (GCT) h m s
THULE	e(P)	09 23 10
	iP	23 18
TUC	eP	09 30 07
May 17		
TUC	e(P)	09 31 27
	i	31 41
	eL	32 37
May 17		
BH	iP	09 38 34
	iS	38 58
May 17		
TUC	e(P)	09 42 27
May 17		
COL	eP	11 21 22
EUR	eP	11 24 41
HH	e(P)	11 24 00
May 17		
COL	eP	15 56 34
EUR	iP	15 56 05
May 17		
EUR	eP	17 52 51
May 17		
COL	iP	20 03 28
May 17		
EUR	iP	23 30 44
May 18		
COL	iP	00 32 27
May 18		
COL	i(P)	00 44 54
May 18		
SLC	eP	02 43 12
May 18		
COLU	eP	05 54 00
	e	54 14
May 18		
BC	eP	06 48 10
	epP	48 23
BOZ	eP	06 47 52
	epP	48 42
BUT	eP	06 47 45
	e	48 40
	eS	51 11
COL	iP	06 45 15
	iS	53 32
	iScS	54 44
	eL	07 00 40
	eP'P'	14 21

Date and Station		Phase (GCT) h m s
EUR	iP	06 47 55
GUAM	iP	06 39 45
	ipP	39 59
	iS	43 36
	isS	44 17
	eT	07 00 33
HONO	e(P)	06 45 54
	eS	54 20
	eL	07 01 52
HH	iP	06 47 35
	ipP	47 51
	e	58 56
SJ	iP'	06 54 15
	i	54 25
	i	55 10
	i	56 27
	iSKP	57 36
SLC	eP	06 48 04
	epP	48 30
	eS	58 55
THULE	iP	06 46 38
	ipP	46 55
TUC	iP	06 48 31
	epP	49 00
	ePP	52 23
	iS	59 48
	iL	07 19 38
TUC-T	iP	06 48 30
UKIAH	iP	06 47 37
WASH	e(P')	06 53 26
	e	56 05
	e(S)	07 01 56
	iSP	03 07
	i	03 27
	eSS	09 24
	e	11 14
	eL	29 53
May 18		
TUC-T	eP	07 10 21
	eL	11 28
May 18		
EUR	iP	07 51 23
May 18		
COL	iP	08 53 48
	ePP	57 14
EUR	iP'	08 59 27
May 18		
EUR	iP	11 14 42
May 18		
EUR	iP	17 10 51
	iS	11 13
	iL	11 16

Date and Station		Phase (GCT) h m s
HH	eP	17 14 35
May 18 GUAM	eP	18 14 51
May 18 EUR	eP	18 36 01
HH	eP	18 36 40
May 18 EUR	iP	18 42 54
May 19 BOZ	eP	00 06 18
May 19 BOZ	eP	02 20 25
EUR	iP	02 20 53
	e	24 12
HH	iP	02 20 12
THULE	iP	02 17 23
	i(pP)	17 50
TUC-T	e(P')	02 26 00
May 19 TUC	e(P)	02 40 50
May 19 EUR	eP	08 04 19
May 19 EUR	eP	09 46 40
May 19 EUR	eP	10 06 44
May 19 EUR	eP	10 09 29
HH	eP	10 10 17
RC	e	10 09 47
TUC	eP	10 08 45
TUC-T	eP	10 08 45
May 19 EUR	iP	10 15 46
HH	e(P)	10 16 51
RC	eP	10 17 53
TUC	eP	10 17 24
TUC-T	e(P)	10 17 25
UKIAH	eP	10 14 35
	i	14 46
	eL	15 16
May 19 BC	e(P')	10 32 17
BOZ	eP'	10 31 49
	e	32 18
BUT	eP'	10 31 59
COL	e(P')	10 31 02
	e	31 17
	e	33 34
	e	42 14
	e	44 18
	e	50 40
	eL	11 17 36
COLU	eP'	10 31 37
	e	31 58
EUR	iP'	10 31 54
	i	32 19
	iPP	36 12
GUAM	iP	10 24 48
HH	eP'	10 31 45
	i	31 59
	ePP	35 41
RC	iP'	10 31 51
	i	32 08
	i	32 17
	i	32 36
	i	32 47
	i	34 10
	i(PP)	36 00
SLC	eP'	10 32 20
TUC	eP'	10 32 05
	e	32 19
	ePP	37 04
	eL	11 30 54
TUC-T	eP'	10 32 19
	ePP	37 00
WASH	eP'	10 31 45
May 19 COL	iP	12 36 16
	iS	36 50
	iL	36 56
May 19 BC	eP	16 53 40
BOZ	eP	16 53 11
COL	iP	16 49 49
EUR	iP	16 54 14
	i	54 41
HH	iP	16 52 44
TUC	iP	16 54 18
May 19 EUR	eP	19 42 52
May 19 HH	eP'	22 30 47
May 19 SJ	iP	22 34 53
May 19 HH	eP	23 51 11
May 20 COL	e(P)	00 09 08
EUR	iP	00 05 36
	i	07 20
HH	iP	00 06 37
RC	eP	00 06 03
TUC	e(P)	00 04 35
May 20 RC	e	00 32 04
May 20 COL	iP	00 35 55
EUR	eP	00 37 12
GUAM	eP	00 27 24
HH	e(P)	00 37 03
SJ	iP'	00 43 10
May 20 EUR	eP	00 51 37
May 20 COL	eP	04 27 09
EUR	eP	04 29 29
HH	eP	04 30 27
THULE	eP	04 25 39
TUC	eP	04 28 08
	e	28 25
TUC-T	eP	04 28 08
May 20 EUR	eP	07 01 06
May 20 COL	iP	07 39 03
May 20 COL	iP	08 04 10
EUR	eP	08 06 49
HH	eP	08 06 29
May 20 COL	eP	08 30 26
May 20 COL	eP	10 28 57
May 20 BC	eP	11 26 08
BOZ	e(P)	11 26 19
	e	30 07
BUT	eP	11 26 40
	ePP	30 50
COL	iP	11 26 16
	ePP	30 22
	eSKS	36 50
	eS	37 52
	ePS	39 18
	i	40 34
	eSS	43 58
	eL	54 12
COLU	eP'	11 31 31
	ePP	33 08
EUR	iP	11 25 12
	ePKKP	42 32
GUAM	eP	11 21 08
	iP	21 12
	eS	28 01
	eL	34 55
HONO	eP	11 22 39
	eS	31 05
	e	35 44
	eL	38 08
KIP	eP	11 22 39
HH	eP	11 26 43
	ePP	30 48
	iPKKP	42 30
RC	eP'	11 30 46
	iPP	31 30
	eSKKS	38 37
	ePS	41 00
	ePKKP	42 04
SJ	iP'	11 31 46
	i	32 22
	iSKP	35 14
SLC	eP'	11 30 20
	e	30 39
THULE	iP'	11 31 34
	ePP	33 22
TUC	eP	11 26 13
	ePP	30 21
	ePKKP	42 47
	e	43 14
	eL	52 28
TUC-T	eP	11 26 15
	ePP	30 15
	ePKKP	42 46

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Date and Station		Phase (GCT)
		h m s
UKIAH	e(P)	11 25 41
	e	25 53
May 20		
EUR	eP	14 20 17
GUAM	iP	14 07 43
	iS	08 02
May 20		
COL	eP	15 56 46
May 20		
BC	eP	17 56 19
BOZ	iP	17 54 18
	iS	54 28
	iL	54 52
BUT	iP	17 54 32
	iS	54 51
	eL	55 15
COL	iP	18 00 01
EUR	iP	17 55 40
	iS	56 50
	iL	56 54
HH	iP	17 55 08
	iL	56 11
RC	eP	17 55 24
	i	55 42
	i	55 47
	i	55 52
	i	56 03
	i	56 25
	i	56 35
	iS	56 44
SLC	eP	17 55 04
	eS	55 42
	eL	56 06
TUC-T	eP	17 57 05
May 20		
BOZ	eP	18 36 18
EUR	eP	18 37 40
HH	iP	18 37 07
	iL	38 12
RC	eP	18 36 46
	i	37 04
	i	38 55
May 20		
BOZ	eP	18 42 09
EUR	eP	18 43 33
	eS	44 43
	eL	44 50
HH	eP	18 42 58
	iL	44 07

Date and Station		Phase (GCT)
		h m s
May 20		
EUR	eP	19 01 48
HH	eP	19 01 41
May 20		
BOZ	eP	19 40 45
EUR	eP	19 42 10
	eS	43 21
	eL	43 26
HH	eP	19 41 33
	eL	42 44
May 20		
COL	eP	19 50 06
EUR	iP	19 51 08
GUAM	eP	19 42 22
May 20		
SJ	iP	19 54 11
May 20		
EUR	eP	20 36 03
	eL	37 33
HH	eP	20 35 28
	iL	36 36
May 20		
COL	eP	20 58 50
May 21		
BH	iP	03 36 59
	iS	37 23
May 21		
COL	eP	06 20 46
May 21		
COL	eP	06 53 11
HH	iP	06 53 53
THULE	eP	06 50 30
	e	50 35
May 21		
BOZ	eP	07 46 57
BUT	iP	07 47 11
	eS	47 33
	eL	47 45
EUR	eP	07 48 26
	eS	49 37
	eL	49 42
HH	eP	07 47 45
	eL	48 53
May 21		
COL	e(P)	07 57 15
May 21		
HH	e(P)	08 00 16

Date and Station		Phase (GCT)
		h m s
May 21		
COL	eP	08 28 51
GUAM	eP	08 22 04
	eT	42 41
HH	e(P)	08 31 03
THULE	eP	08 29 50
	ePP	33 17
May 21		
HH	eP	09 24 22
	eL	25 12
May 21		
BH	iP	10 11 24
	iS	17 51
BC	eP	10 15 19C
	e	16 00
	eS	25 39
BOZ	eP	10 15 56C
	e	16 28
	e	18 04
BUT	eP	10 15 55D
	e	18 11
	ePP	20 15
	eSKS	26 15
	ePKKP	33 35
	eL	50 35
COL	eP	10 18 04
	iP'	21 48
	ePP	22 55
	iPP	23 15
	i	27 20
	iSKS	28 59
	eS	30 48
	iSS	38 50
	ePSPS	39 57
	iL	11 00 48
COLU	eP	10 14 15C
	eS	23 30
EUR	iP	10 15 34C
GUAM	eP'	10 22 21
	i	22 47
	iPKS	26 11
	e(SKS)	29 17
	eL	11 08 23
HONO	iP	10 16 40
	i	19 22
	iPP	20 44
	eS	26 48
	eL	35 34
HH	iP	10 16 07C
	iPP	20 20
	iPKKP	33 30
	eP'P'	41 40
RC	eP	10 15 33C
	i	15 42
	eP'P'	41 54

Date and Station		Phase (GCT)
		h m s
SLC	eP	10 15 33
	iP	15 41
	eS	26 06
	eL	38 30
SJ	iP	10 12 30C
	i	12 58
THULE	eP	10 17 46D
	e	21 17
	ePKKP	32 07
TUC	eP	10 14 52C
	iP	14 54
	iS	24 48
	iSS	30 23
	eL	36 52
	iP'P'	42 05
TUC-T	iP	10 14 52C
UKIAH	eP	10 15 52D
	i	16 07
WASH	iP	10 14 42D
May 21		
TUC	eP	10 34 06
May 21		
BH	iP	11 03 53
	iS	04 17
BC	eP	11 06 20
COL	eP'	11 12 38
HH	eP	11 07 09
RC	iP	11 06 36
SJ	iP	11 03 33
TUC	eP	11 05 52
May 21		
EUR	iP	12 00 47
RC	eP	12 02 38
TUC	eP	11 59 54
May 21		
RC	eP	12 09 26
	e	10 21
TUC	eP	12 09 21
May 21		
EUR	iP	12 19 20
May 21		
BUT	eP	12 34 20
COL	eP'	12 40 02
HH	eP	12 34 31
RC	iP	12 33 58
	e	34 08

Date and Station		Phase (GCT) h m s
TUC	iP	12 33 17
	i	33 27
TUC-T	eP	12 33 16
May 21		
BH	iP	13 08 30
BC	eP	13 12 26
BOZ	eP	13 12 58
BUT	eP	13 13 02
COL	eP'	13 18 44
COLU	eP	13 11 21
EUR	iP	13 12 43
HH	eP	13 13 14
	e	17 03
RC	iP	13 12 40
SLC	eP	13 12 38
SJ	iP	13 09 36
THULE	eP'	13 18 30
TUC	eP	13 11 58
	iS	21 53
	i	22 10
TUC-T	iP	13 11 59
	iPP	15 12
May 21		
EUR	iP	13 19 33
May 21		
COL	eP	13 33 16
May 21		
EUR	eP	14 01 27
May 21		
RC	eP	14 11 51
EUR	iP	14 12 02
	i	12 46
HH	eP	14 12 33
	i	12 40
RC	e(P)	14 12 00
	i	12 07
SLC	eP	14 12 03
SJ	eP	14 09 58
	i	09 02
TUC	iP	14 11 24
TUC-T	e(P)	14 11 18
	iP	11 24

Date and Station		Phase (GCT) h m s
May 21		
COL	iP	14 12 44
THULE	iP	14 14 34
May 21		
EUR	eP	14 38 12
	i	38 18
May 21		
EUR	eP	14 44 40
HH	eP	14 45 12
RC	eP	14 44 39
	e	45 02
SJ	iP	14 41 36
TUC	eP	14 44 05
TUC-T	e(P)	14 43 58
	eP	44 04
May 21		
EUR	iP	14 59 33
May 21		
COL	eP'	15 29 04
	i	29 31
EUR	iP	15 21 28
HH	iP	15 22 00
RC	iP	15 21 26
SJ	iP	15 18 22
TUC	eP	15 20 43
TUC-T	iP	15 20 43
May 21		
EUR	iP	15 29 02
	ipP	29 31
May 21		
EUR	iP	15 47 21
May 21		
EUR	iP	16 21 55
May 21		
EUR	eP	16 49 32
May 21		
EUR	eP	18 33 59
May 21		
EUR	eP	19 06 56
TUC	e(P)	19 08 41
TUC-T	e(P)	19 08 33
May 21		
EUR	iP	19 17 15

Date and Station		Phase (GCT) h m s
May 21		
EUR	eP	19 19 04
TUC	e(P)	19 18 22
	e	18 28
TUC-T	eP	19 18 21
May 21		
BH	iP	19 37 26
	iS	38 01
May 21		
EUR	eP	19 37 11
May 21		
EUR	eP	20 32 30
May 21		
EUR	eP	20 59 13
May 21		
EUR	eP	21 06 42
May 21		
EUR	eP	21 29 47
May 21		
EUR	eP	22 14 54
May 21		
TUC	eP	22 15 47
TUC-T	eP	22 15 41
	e	15 47
May 21		
EUR	iP	22 39 22
TUC	e(P)	22 38 37
TUC-T	eP	22 38 38
May 21		
EUR	iP	23 26 46
May 21		
EUR	eP	23 29 59
TUC-T	e(P)	23 29 15
May 21		
EUR	eP	23 45 07
May 21		
EUR	iP	23 51 40
	i	51 50
May 21		
EUR	eP	23 57 49
May 22		
TUC	eP	00 08 20
May 22		
EUR	eP	00 45 22
May 22		
TUC	iP	00 53 48
	ePP	57 01

Date and Station		Phase (GCT) h m s
May 22		
EUR	eP	00 58 42
May 22		
EUR	iP	01 00 33
TUC	eP	00 59 49
TUC-T	eP	00 59 49
May 22		
EUR	eP	01 03 48
May 22		
COL	e(P')	01 11 47
EUR	eP	01 05 02
TUC	eP	01 04 18
TUC-T	eP	01 04 17
May 22		
EUR	iP	01 09 34
May 22		
EUR	iP	01 43 43
May 22		
EUR	iP	01 45 36
May 22		
EUR	eP	02 21 41
May 22		
EUR	eP	03 19 21
TUC	e(P)	03 18 37
	e	18 43
TUC-T	eP	03 18 43
May 22		
EUR	eP	03 43 10
	i	43 16
HH	eP	03 42 14
TUC	e(P)	03 44 40
	e	44 48
TUC-T	eP	03 44 46
May 22		
EUR	eP	03 45 24
May 22		
BUT	eP	03 59 23
	e	59 31
EUR	iP	03 59 05
HH	eP	03 59 36
SJ	iP	03 55 58
TUC	eP	03 58 21
TUC-T	eP	03 58 21

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Date and Station		Phase	(GCT) h m s
May 22			
EUR	eP		04 11 07
May 22			
EUR	eP		04 26 43
May 22			
EUR	eP		04 28 26
SJ	eP		04 25 25
TUC	eP		04 27 41
TUC-T	eP		04 27 41
May 22			
SJ	iP		05 56 19
May 22			
EUR	iP		06 14 22
HH	eP		06 14 53
RC	eP		06 14 19
TUC	eP		06 13 37
TUC-T	eP		06 13 38
May 22			
EUR	eP		06 25 40
May 22			
EUR	eP		07 20 01
TUC-T	eP		07 19 43
May 22			
COL	eP'		07 43 01
EUR	eP		07 39 05
TUC	eP		07 37 52
	i		39 11
TUC-T	iP		07 37 53
May 22			
EUR	eP		07 48 46
TUC	eP		07 48 03
	e		48 11
TUC-T	eP		07 48 04
	i		48 11
May 22			
EUR	eP		08 05 22
May 22			
BC	eP		08 23 22
	e		23 30
BOZ	eP		08 23 55
BUT	eP		08 23 59
	e		24 07
COL	eP'		08 29 48
EUR	iP		08 23 39
	i		23 47
HH	eP		08 24 11
	i		24 18
RC	eP		08 23 37
	i		23 44
SJ	iP		08 20 34
	i		20 45
	i		20 58
TUC	iP		08 22 55
	i		23 03
TUC-T	iP		08 22 55
	i		23 03
May 22			
EUR	eP		09 16 36
May 22			
BH	iP		10 39 14
BC	eP		10 43 08
BOZ	eP		10 43 41
BUT	eP		10 43 45
	e		45 51
	eScS		54 35
	e		56 31
	e		11 02 55
	eL		13 07
COL	e(P)		10 47 55
	e		48 11
	iP'		51 29
	ePP		52 50
	eSKS		59 07
	eS		11 00 39
	ePS		02 40
	eSS		09 12
	eL		22 56
COLU	eP		10 42 05
EUR	iP		10 43 23
HH	eP		10 43 54
RC	iP		10 43 20
SJ	iP		10 40 18
SLC	eP		10 43 22
TUC	iP		10 42 40
TUC-T	iP		10 42 40
UKIAH	eP		10 43 48
May 22			
BC	eP		10 45 14C
BOZ	eP		10 45 41D
COL	eP'		10 49 24
EUR	i(P)		10 45 28
GUAM	eP'		10 52 16
HONO	eP		10 46 32
	iPP		50 36
	iS		57 08
	iPS		59 28
	iPKKP		11 03 16
	iSS		04 02
	e		10 26
HH	iP		10 46 00D
	iPP		49 58
	ePKKP		11 03 31
RC	iP		10 45 29D
SLC	eP		10 45 24D
SJ	iP		10 42 22D
	i		42 33
	i		43 19
TUC	eP		10 44 45D
	eS		54 40
	eL		11 08 54
TUC-T	eP		10 44 41
UKIAH	eP		10 45 42C
	iPP		49 48
WASH	iP		10 42 31D
May 22			
COL	iP		11 07 53
HH	iP		11 09 54
SIT	eP		11 08 39
May 22			
GUAM	iP		11 36 15
	iS		36 34
May 22			
TUC	eP		11 48 13
May 22			
BC	eP		12 29 19
BOZ	eP		12 29 45
BUT	eP		12 29 51
COL	eP'		12 35 28
COLU	eP		12 28 10
EUR	iP		12 29 31
HH	iP		12 30 02
RC	eP		12 29 29
SLC	eP		12 29 30
TUC	eP		12 28 48
	i		29 09
TUC-T	eP		12 28 47
May 22			
EUR	eP		13 15 38
RC	e(P)		13 15 36
	e		15 43
TUC	eP		13 14 56
TUC-T	e(P)		13 14 58
	e		15 37
May 22			
EUR	eP		13 16 20
May 22			
EUR	eP		13 29 23
May 22			
EUR	eP		14 51 52
May 22			
COL	iP		15 35 42
May 22			
EUR	eP		15 35 13
TUC-T	eP		15 35 10
May 22			
TUC	iP		16 17 57
	iL		18 19
TUC-T	eP		16 17 55
	eL		18 14
May 22			
EUR	eP		16 49 04
May 22			
EUR	eP		17 25 22
HH	eP		17 26 01
RC	eP		17 25 28
TUC	eP		17 24 38
TUC-T	eP		17 24 37
May 22			
EUR	eP		18 20 58
May 22			
BH	iP		19 04 35C
	iS		11 25
BC	eP		19 08 28C
	e		09 32
BOZ	eP		19 09 01C

Date and Station		Phase (GCT)
		h m s
BUT	eP	19 09 04C
	eS	19 27
	e	24 15
	ePKKP	26 35
COL	eP	19 11 05
	eP'	14 45
	ePP	16 02
	iS	23 41
	ePS	25 55
COLU	eP	19 07 24C
	eS	16 32
EUR	iP	19 08 43C
GUAM	eP'	19 15 17
	ePKS	19 04
HH	iP	19 09 15C
RC	eP	19 08 40
	iP	08 43D
SJ	eP	19 05 38
	iP	05 41D
	eS	13 11
	iS	13 13
SLC	eP	19 08 42
TUC	iP	19 08 03C
	iS	17 58
TUC-T	iP	19 08 02C
WASH	iP	19 07 51D
May 22		
BC	eP	19 23 12D
COL	i(P)	19 25 56
GUAM	eP'	19 30 20
	eT	22 04 03
HONO	eP	19 24 29
	eT	21 44 26
HH	iP	19 23 52C
KIP	eP	19 24 30
RC	eP	19 23 20D
SJ	eP	19 20 20
TUC	iP	19 22 40D
	iS	33 02
TUC-T	iP	19 22 40D
UKIAH	iP	19 23 44D
May 22		
BC	eP	19 23 45
COL	e(P)	19 26 20

Date and Station		Phase (GCT)
		h m s
HH	eP	19 24 29
RC	eP	19 23 28
SJ	iP	19 20 35
UKIAH	i(P)	19 24 07
May 22		
RC	iP	19 24 07
SJ	iP	19 20 55
May 22		
BC	eP	20 19 45
May 22		
TUC	iP	20 28 45
May 22		
SJ	iP	20 55 07
May 22		
SJ	iP	21 41 13
TUC	eP	21 45 18
May 22		
SJ	eP	21 55 32
May 22		
COLU	eP	22 04 39
SJ	iP	22 02 24
TUC	eP	22 04 32
May 22		
SJ	iP	22 08 35
May 22		
BH	iP	22 16 57
BC	eP	22 20 35
BOZ	eP	22 21 07
BUT	eP	22 21 10
COL	eP'	22 26 35
COLU	eP	22 18 22
HH	eP	22 21 27
RC	eP	22 20 50
SLC	eP	22 20 58
SJ	iP	22 17 58
	iS	23 56
TUC	iP	22 20 12
May 22		
BH	iP	22 22 44
BC	eP	22 26 32

Date and Station		Phase (GCT)
		h m s
BOZ	eP	22 27 08
BUT	eP	22 27 10
	e	28 31
COL	e(P')	22 32 55
HH	eP	22 27 23
RC	iP	22 26 50
	e	28 08
SLC	eP	22 26 47
TUC	eP	22 26 09
May 22		
COLU	eP	22 25 34
HH	eP	22 28 44
RC	eP	22 28 08
SLC	eP	22 28 08
SJ	iP	22 25 16
TUC	eP	22 27 29
May 22		
TUC	iP	22 33 51
May 22		
COLU	eP	22 40 52
May 22		
COLU	eP	22 42 47
TUC	eP	22 44 53
May 22		
COLU	eP	22 55 33
May 22		
BUT	eP	23 01 13
HH	eP	23 01 24
RC	eP	23 00 51
	e	02 05
TUC	eP	23 00 10
TUC-T	iP	23 00 09
	i	00 16
May 22		
BUT	eP	23 05 52
HH	iP	23 06 03
RC	eP	23 04 30
TUC	iP	23 04 48
TUC-T	eP	23 04 47

Date and Station		Phase (GCT)
		h m s
May 22		
COLU	eP	23 07 42
May 22		
BUT	eP	23 17 47
COLU	eP	23 15 58
HH	iP	23 17 59
SLC	eP	23 17 24
TUC	iP	23 16 45
TUC-T	iP	23 16 45
May 22		
COLU	eP	23 18 37
May 22		
HH	iP	23 20 23
TUC	iP	23 19 09
TUC-T	eP	23 19 09
	eL	19 44
May 22		
HH	eP	23 25 59
TUC	eP	23 24 45
TUC-T	iP	23 24 46
May 22		
BC	eP	23 41 53
BOZ	eP	23 42 28
BUT	eP	23 42 32
EUR	iP	23 42 13
HH	iP	23 42 43
RC	iP	23 42 10
SLC	eP	23 42 09
SJ	eP	23 39 16
	i	39 21
TUC-T	iP	23 41 29
May 22		
BC	e(P)	23 45 13
BOZ	eP	23 45 48
EUR	iP	23 45 33
HH	iP	23 46 05
RC	eP	23 45 33
SJ	iP	23 42 43
TUC-T	eP	23 44 51

Date and Station		Phase	(GCT)
			h m s
May 22			
BC	e(P)		23 47 41
TUC	iP		23 47 16
TUC-T	iP		23 47 16
May 22			
COL	iP'		23 57 41
COLU	eP		23 50 47
EUR	eP		23 51 53
RC	eP		23 51 54
SJ	iP		23 49 14
TUC	iP		23 51 12
TUC-T	iP		23 51 12
May 23			
BOZ	eP		00 09 18
BUT	eP		00 09 23
COL	iP'		00 14 57
COLU	eP		00 07 49
HH	iP		00 09 33
RC	iP		00 09 01
SLC	eP		00 08 59
TUC-T	iP		00 08 21
May 23			
EUR	iP		00 21 01
TUC	eP		00 20 19
TUC-T	eP		00 20 20
May 23			
TUC	e(P)		00 34 12
	e		34 18
TUC-T	eP		00 34 12
May 23			
BH	iP		00 34 20
BC	eP		00 38 13
BOZ	eP		00 38 45
BUT	eP		00 38 49
COL	eP		00 41 01
	eP'		44 31
COLU	eP		00 37 11
EUR	iP		00 38 30
RC	iP		00 38 28
SLC	eP		00 38 27
SJ	eP		00 35 27
	i		35 30
	iPcP		36 32
	iPP		37 39
TUC	iP		00 37 46
TUC-T	iP		00 37 45
	ePP		40 30
UKIAH	eP		00 38 44
WASH	iP		00 37 41
May 23			
COL	eP'		01 00 28
EUR	eP		00 54 31
HH	iP		00 55 01
RC	iP		00 54 29
SJ	iP		00 51 30
TUC-T	eP		00 53 47
May 23			
BH	iP		00 59 45
BC	eP		01 03 40
BOZ	eP		01 04 13
BUT	eP		01 04 18
COLU	eP		01 02 36
EUR	iP		01 03 58
HH	iP		01 04 29
RC	iP		01 03 55
SLC	eP		01 03 55
SJ	iP		01 01 51
TUC	iP		01 03 15
TUC-T	iP		01 03 15
May 23			
HH	iP		01 02 26
May 23			
BH	iP		01 02 41
BC	eP		01 06 32
BOZ	eP		01 07 06
BUT	eP		01 07 08
	e		14 48
COLU	eP		01 05 29
EUR	iP		01 06 49
HH	iP		01 07 18
RC	iP		01 06 46
SLC	eP		01 06 45
SJ	i		01 03 47
TUC	iP		01 06 08
TUC-T	iP		01 06 05
	i		06 13
May 23			
BOZ	eP		01 14 44
COLU	eP		01 13 10
EUR	iP		01 14 29
HH	iP		01 15 00
SLC	eP		01 14 25
SJ	iP		01 11 27
TUC	iP		01 13 45
TUC-T	eP		01 13 45
May 23			
TUC	eP		01 24 43
May 23			
TUC	eP		01 33 20
TUC-T	eP		01 33 20
May 23			
TUC	eP		01 35 49
TUC-T	eP		01 35 48
May 23			
TUC	eP		01 37 39
TUC-T	eP		01 37 39
May 23			
BH	iP		01 43 38
BOZ	eP		01 48 00
BUT	eP		01 48 03
COL	iP'		01 53 41
COLU	eP		01 46 27
EUR	iP		01 47 43
HH	iP		01 48 14
RC	eP		01 47 40
	i		47 47
SLC	eP		01 47 40
SJ	iP		01 45 44
TUC	iP		01 47 00
	i		47 07
TUC-T	iP		01 47 00
May 23			
BOZ	eP		01 55 42
BUT	eP		01 57 03
COLU	eP		01 55 22
EUR	iP		01 55 26
HH	iP		01 55 56
SLC	eP		01 55 23
TUC	iP		01 54 43
TUC-T	iP		01 54 42
May 23			
EUR	iP		01 56 42
HH	iP		01 57 13
RC	eP		01 56 39
SLC	eP		01 56 38
TUC	iP		01 55 59
TUC-T	iP		01 55 58
May 23			
EUR	iP		02 08 35
HH	iP		02 09 06
TUC	iP		02 07 51
TUC-T	iP		02 07 52
May 23			
EUR	iP		02 17 37
HH	iP		02 18 07
TUC	iP		02 16 53
TUC-T	iP		02 16 53
May 23			
HH	iP		02 20 08
TUC	eP		02 18 54
TUC-T	eP		02 18 54
May 23			
EUR	iP		02 25 13
	i		26 34

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Date and Station		Phase (GCT) h m s
TUC	eP	02 24 32
TUC-T	eP	02 24 31
May 23		
EUR	eP	02 28 13
May 23		
TUC	eP	02 31 14
TUC-T	eP	02 31 14
May 23		
EUR	eP	02 34 14
TUC-T	eP	02 33 58
May 23		
TUC	eP	02 34 28
	e	34 32
May 23		
HH	eP	02 39 05
TUC	iP	02 37 51
TUC-T	iP	02 37 51
May 23		
BC	eP	02 47 27
May 23		
EUR	eP	02 49 54
TUC	eP	02 49 10
	i	49 15
May 23		
EUR	iP	02 52 36
HH	e(P)	02 53 02
TUC	eP	02 51 50
TUC-T	eP	02 51 50
May 23		
EUR	iP	02 56 24
HH	eP	02 56 55
RC	eP	02 56 21
TUC	eP	02 55 41
TUC-T	eP	02 55 40
May 23		
BH	iP	02 55 32
BC	eP	02 59 13
BOZ	eP	02 59 46
BUT	eP	02 59 50
COL	iP'	03 05 22

Date and Station		Phase (GCT) h m s
COLU	eP	02 58 17
EUR	iP	02 59 30
HH	iP	03 00 01
RC	iP	02 59 28
SLC	eP	02 59 27
SJ	iP	02 56 36
TUC	iP	02 58 48
TUC-T	iP	02 58 48
WASH	iP	02 50 42
May 23		
BH	iP	03 05 29
BC	eP	03 09 04
BUT	eP	03 09 41
COL	iP'	03 15 11
COLU	eP	03 08 12
EUR	iP	03 09 21
HH	iP	03 09 52
RC	iP	03 09 19
SLC	eP	03 09 18
SJ	iP	03 06 35
TUC	iP	03 08 39
TUC-T	iP	03 08 39
May 23		
EUR	iP	03 12 46
HH	iP	03 13 17
May 23		
COL	iP'	03 22 04
EUR	eP	03 16 17
HH	eP	03 17 18
SJ	iP	03 13 33
TUC	iP	03 15 37
TUC-T	eP	03 15 37
May 23		
HH	e(P)	03 27 01
TUC	e(P)	03 24 26
	e	24 51
TUC-T	e(P)	03 24 26

Date and Station		Phase (GCT) h m s
May 23		
EUR	eP	03 30 51
TUC	eP	03 30 11
TUC-T	eP	03 30 11
May 23		
TUC	e(P)	03 34 37
TUC-T	e(P)	03 34 37
May 23		
TUC	eP	03 37 21
TUC-T	eP	03 37 21
May 23		
EUR	iP	03 46 50
	i	47 35
TUC	eP	03 46 07
TUC-T	eP	03 46 07
May 23		
EUR	eP	04 09 02
TUC	eP	04 08 19
TUC-T	eP	04 08 19
May 23		
EUR	eP	04 12 40
May 23		
TUC	eP	04 17 42
May 23		
TUC	eP	04 20 16
May 23		
BH	eP	04 29 25
COL	e(P')	04 39 09
EUR	eP	04 33 23
SJ	iP	04 30 32
TUC	eP	04 32 43
TUC-T	eP	04 32 43
May 23		
EUR	eP	04 38 22
TUC	e(P)	04 37 41
	e	37 49
TUC-T	eP	04 37 40
May 23		
BUT	eP	04 40 02
EUR	iP	04 39 42
HH	iP	04 40 13

Date and Station		Phase (GCT) h m s
RC	eP	04 39 39
SLC	eP	04 39 38
SJ	iP	04 36 39
TUC	iP	04 38 58
TUC-T	iP	04 38 58
May 23		
TUC	e(P)	04 49 34
TUC-T	e(P)	04 49 35
May 23		
EUR	eP	05 00 47
COL	i(P')	05 06 54
TUC	iP	05 00 26
TUC-T	e(P)	05 00 09
	e	00 26
May 23		
EUR	iP	05 01 07
May 23		
EUR	eP	05 05 49
May 23		
EUR	iP	05 24 26
TUC	eP	05 23 44
TUC-T	e(P)	05 23 45
May 23		
BH	iP	05 22 12
BC	eP	05 26 05
BOZ	eP	05 26 39
BUT	eP	05 26 53
COL	e(P')	05 32 21
	i	32 33
COLU	eP	05 25 04
	e	25 16
EUR	iP	05 26 22
HH	iP	05 26 53
RC	eP	05 26 18
	iP	26 20
SLC	eP	05 26 19
SJ	iP	05 23 17
TUC	iP	05 25 38
TUC-T	iP	05 25 39

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Date and Station		Phase	(GCT)
			h m s
UKIAH	eP		05 26 38
	i		26 47
WASH	iP		05 25 28
May 23 HH	eP		05 44 36
May 23 HH	eP		05 48 28
May 23 TUC	e(P)		05 52 22
TUC-T	eP		05 52 30
	i		52 42
May 23 BC	eP		06 00 58
COL	iP'		06 06 56
COLU	eP		06 00 17
EUR	eP		06 01 14
SJ	iP		05 58 39
TUC	eP		06 00 34
TUC-T	eP		06 00 34
May 23 EUR	eP		06 01 59
May 23 EUR	eP		06 21 17
May 23 BC	eP		06 21 32
COL	iP'		06 27 38
COLU	eP		06 20 39
EUR	iP		06 21 49
RC	eP		06 21 48
TUC	iP		06 21 07
TUC-T	iP		06 21 07
May 23 EUR	eP		06 24 17
May 23 EUR	iP		06 26 32
TUC	e(P)		06 25 34
	e		25 47
TUC-T	eP		06 25 47
May 23 EUR	iP		06 29 09

Date and Station		Phase	(GCT)
May 23			h m s
EUR	eP		06 30 32
HH	eP		06 31 03
TUC	eP		06 29 47
TUC-T	eP		06 29 49
May 23 HH	iP		06 33 13
EUR	iP		06 38 12
SJ	iP		06 36 42
TUC	eP		06 37 28
TUC-T	eP		06 37 28
May 23 EUR	eP		06 41 43
HH	eP		06 41 00
TUC-T	eP		06 41 08
May 23 EUR	eP		06 46 07
SJ	eP		06 43 27
TUC	iP		06 45 48
TUC-T	eP		06 45 23
	e		45 48
May 23 EUR	iP		06 46 30
May 23 EUR	iP		06 51 25
May 23 EUR	eP		06 58 55
	i		59 02
HH	e(P)		06 58 26
TUC	eP		06 58 12
TUC-T	eP		06 58 12
May 23 EUR	iP		07 04 44
May 23 HH	iP		07 19 05
BC	eP		07 22 24
BUT	ePP		07 26 18
COL	iP'		07 28 19
COLU	eP		07 21 38

Date and Station		Phase	(GCT)
			h m s
EUR	eP		07 22 39
	iPP		26 27
	iPKKP		38 16
	eP'P'		47 18
	i		48 03
RC	eP		07 22 40
SLC	eP		07 22 37
SJ	iP		07 20 08
	i		20 13
	i		20 30
TUC	iP		07 22 01
TUC-T	eP		07 22 00
	ePP		25 26
WASH	eP		07 22 08
May 23 HH	e(P)		07 23 13
	e		27 10
TUC	eP		07 27 24
TUC-T	eP		07 27 25
May 23 EUR	eP		07 32 15
May 23 EUR	eP		07 32 46
May 23 EUR	eP		07 37 10
TUC	eP		07 37 37
TUC-T	eP		07 37 35
May 23 EUR	eP		07 43 24
May 23 EUR	eP		07 44 20
May 23 EUR	iP		07 45 34
May 23 EUR	iP		07 45 51
SJ	iP		07 43 14
May 23 BUT	eP		08 26 28
COL	eP'		08 32 03
COLU	eP		08 24 53
EUR	iP		08 26 07
HH	eP		08 26 39
SLC	eP		08 26 05

Date and Station		Phase	(GCT)
			h m s
SJ	eP		08 23 22
	e		23 37
TUC	iP		08 25 26
TUC-T	iP		08 25 26
May 23 EUR	eP		08 59 22
May 23 EUR	iP		09 03 54
May 23 EUR	iP		09 15 44
May 23 EUR	eP		09 29 18
May 23 EUR	iP		09 37 28
May 23 BUT	eP		09 39 17
EUR	eP		09 39 06
HH	eP		09 39 37
May 23 EUR	iP		09 58 32
TUC	eP		09 57 46
TUC-T	eP		09 57 49
May 23 EUR	iP		10 02 51
May 23 BC	eP		10 04 56
BOZ	eP		10 05 29
BUT	eP		10 05 33
COL	e(P')		10 11 04
	i		11 14
COLU	eP		10 03 40
EUR	iP		10 05 03
HH	eP		10 05 35
	i		05 44
RC	eP		10 05 00
	i		05 09
SLC	eP		10 05 10
SJ	iP		10 02 11
TUC	eP		10 04 19
	i		04 29
TUC-T	eP		10 04 21

Date and Station		Phase (GCT)
		h m s
May 23		
EUR	eP	10 22 43
May 23		
EUR	iP	10 25 24
May 23		
BH	iP	10 47 17
BC	eP	10 50 51
BOZ	eP	10 51 24
BUT	eP	10 51 28
COL	iP'	10 56 53
COLU	eP	10 49 57
EUR	iP	10 51 06
HH	eP	10 51 39
RC	eP	10 51 05
SLC	eP	10 51 05
SJ	iP	10 48 20
	i	48 27
TUC	iP	10 50 27
TUC-T	iP	10 50 27
	ePP	53 23
WASH	eP	10 50 24
May 23		
BUT	eP	10 55 15
May 23		
EUR	eP	11 02 03
May 23		
EUR	iP	11 30 47
May 23		
BUT	eP	11 35 46
HH	eP	11 35 57
May 23		
EUR	eP	11 40 24
May 23		
EUR	eP	11 45 53
HH	eP	11 43 31
	i	43 41
	iL	44 34
May 23		
EUR	iP	11 51 39
May 23		
EUR	eP	11 54 56
May 23		
EUR	eP	12 03 27

Date and Station		Phase (GCT)
		h m s
TUC	eP	12 02 46
TUC-T	eP	12 02 46
May 23		
EUR	iP	12 15 14
HH	eP	12 15 45
RC	eP	12 15 10
TUC	iP	12 14 30
TUC-T	eP	12 14 30
May 23		
TUC	e(P)	12 26 48
May 23		
EUR	eP	12 32 06
May 23		
EUR	iP	12 50 56
	i	52 52
May 23		
EUR	eP	13 13 18
May 23		
EUR	iP	13 37 14
May 23		
EUR	eP	13 40 09
May 23		
EUR	eP	13 42 47
May 23		
BC	eP	14 13 17
COL	eP'	14 19 20
EUR	iP	14 13 33
RC	eP	14 13 34
SJ	iP	14 10 58
TUC-T	e(P)	14 12 53
May 23		
BC	eP	14 14 23
BUT	eP	14 15 01
COL	iP'	14 20 29
EUR	iP	14 14 40
HH	iP	14 15 11
RC	eP	14 14 37
SJ	iP	14 11 51
TUC	iP	14 14 02
TUC-T	eP	14 14 00

Date and Station		Phase (GCT)
		h m s
May 23		
EUR	iP	14 19 00
May 23		
HH	iP	14 46 07
May 23		
EUR	eP	15 54 22
TUC-T	eP	15 52 32
	eL	53 59
May 23		
EUR	eP	15 57 56
May 23		
BC	eP	16 04 24
	e	07 07
EUR	iP	16 05 15
	i	08 53
HH	e(P)	16 06 22
	e	06 58
TUC	eP	16 03 27
	cL	04 49
TUC-T	eP	16 03 26
	eL	04 48
May 23		
EUR	eP	16 24 10
	i	24 55
May 23		
EUR	eP	16 36 39
May 23		
HH	eP	16 43 23
	i	43 33
	iL	44 26
May 23		
EUR	eP	16 52 13
May 23		
EUR	iP	17 15 37
May 23		
EUR	eP	17 58 04
May 23		
EUR	eP	17 59 30
May 23		
EUR	iP	18 35 16
TUC	eP	18 34 35
TUC-T	iP	18 34 34
May 23		
EUR	iP	19 08 05
TUC-T	eP	19 07 21
UKIAH	iP	19 09 00

Date and Station		Phase (GCT)
		h m s
May 23		
EUR	eP	19 18 05
May 23		
BUT	eP	19 22 16
EUR	iP	19 21 55
HH	iP	19 22 27
TUC	eP	19 21 13
TUC-T	iP	19 21 12
May 23		
EUR	iP	19 39 02
TUC-T	eP	19 38 18
May 23		
EUR	iP	19 57 03
HH	iP	19 57 33
TUC-T	eP	19 56 19
May 23		
BC	eP	20 06 39
EUR	eP	20 06 55
TUC-T	eP	20 06 24
May 23		
EUR	iP	20 12 44
TUC-T	eP	20 12 01
May 23		
EUR	iP	20 35 06
TUC-T	eP	20 34 23
May 23		
EUR	eP	21 01 12
May 23		
HH	iP	21 20 54
TUC	eP	21 19 39
TUC-T	eP	21 19 40
	e	20 01
May 23		
EUR	iP	21 55 37
May 23		
EUR	iP	21 57 06
TUC-T	eP	21 56 23
May 23		
EUR	iP	22 18 19
TUC-T	e(P)	22 17 36
May 23		
TUC-T	e(P)	22 21 01

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Date and Station		Phase (GCT) h m s
May 23		
TUC-T	iP	22 54 37
May 23		
COL	eP	23 01 10
TUC-T	eP	22 58 14
May 23		
EUR	iP	23 26 10
HH	i(P)	23 26 42
TUC-T	eP	23 25 23
May 23		
TUC	iP	23 41 29
	ePP	44 52
May 23		
EUR	iP	23 44 11
May 24		
TUC-T	eP	00 31 50
May 24		
EUR	iP	00 56 43
TUC-T	eP	00 56 03
May 24		
RC	e(P)	00 59 31
	i	01 01 31
May 24		
EUR	iP	01 50 39
TUC-T	eP	01 49 59
May 24		
BC	eP	01 53 42
TUC	eP	01 53 13
	i	53 19
TUC-T	eP	01 53 11
May 24		
EUR	iP	01 59 28
May 24		
EUR	iP	03 00 05
TUC-T	eP	02 59 24
May 24		
TUC-T	e(P)	03 20 51
May 24		
TUC-T	e(P)	03 30 41
May 24		
EUR	iP	03 36 41
May 24		
TUC-T	eP	03 50 58
May 24		
EUR	iP	03 59 27
HH	e(P)	03 59 58
SJ	iP	03 54 54
TUC	eP	03 58 53
TUC-T	e(P)	03 58 44
	e	58 51
May 24		
EUR	eP	04 02 01
HH	eP	04 02 32
TUC-T	eP	04 01 20
May 24		
EUR	iP	04 05 58
May 24		
HH	eP	04 20 47
	iL	21 50
May 24		
EUR	iP	04 31 24
HH	eP	04 31 56
TUC-T	eP	04 30 42
May 24		
EUR	eP	04 40 38
May 24		
COL	iP	04 57 34
	i(S)	58 28
	iL	58 37
May 24		
EUR	eP	04 59 22
May 24		
EUR	eP	05 01 51
HH	iP	05 01 42
May 24		
EUR	eP	05 10 32
TUC-T	eP	05 09 51
May 24		
EUR	eP	06 31 29
May 24		
EUR	eP	07 15 34
May 24		
EUR	eP	07 47 37
May 24		
BC	eP	08 04 53
COL	eP	08 10 49
EUR	eP	08 04 13
TUC	e(P)	08 04 32
TUC-T	eP	08 04 27
May 24		
EUR	eP	08 27 43
May 24		
COL	eP	08 40 12
HH	eP	08 42 20
May 24		
EUR	eP	09 20 05
TUC-T	eP	09 19 21
May 24		
COL	eP	09 29 52
EUR	eP	09 33 25
HH	iP	09 35 45
May 24		
EUR	iP	10 28 36
	i	29 06
TUC-T	eP	10 27 50
May 24		
EUR	iP	10 34 32
HH	eP	10 35 04
TUC-T	eP	10 33 50
May 24		
EUR	eP	10 45 18
May 24		
HH	eP	11 02 39
May 24		
EUR	eP	11 43 39
	i	44 09
May 24		
EUR	iP	12 30 41
May 24		
HH	eP	12 43 51
May 24		
EUR	eP	12 54 17
TUC-T	eP	12 53 34
May 24		
EUR	eP	13 27 59
May 24		
EUR	eP	13 52 35
May 24		
EUR	eP	14 19 56
TUC-T	eP	14 19 16
May 24		
BC	ePP	15 04 17
	ePKKP	16 38
BOZ	e(P)	15 05 13
	ePKKP	16 02
COL	e(P)	15 01 54
	iP'	05 30
	ePP	06 14
	eS	14 35
	ePKKP	16 09
	eL	35 02
COLU	eP'	15 05 45
EUR	eP	15 00 21
	ePP	04 55
	e	15 41
	iPKKP	16 32
GUAM	iP	14 57 01
HONO	eP	14 58 08
HH	eP'	15 05 20
	e(PP)	06 35
	ePKKP	15 53
	e	19 16
KIP	eP	14 58 03
RC	eP'	15 05 39
	ePKKP	15 42
	ePS	16 32
SJ	eP'	15 05 42
SLC	eP'	15 05 00
	ePP	06 06
	ePKKP	16 10
TUC-T	e(P)	15 04 04
	ePKKP	16 35
WASH	eP'	15 05 58
	ePP	08 28
	eSKP	09 30
	eSKSP	18 17
May 24		
COLU	eP	15 19 05
May 24		
BC	eP	15 28 46
EUR	iP	15 29 03
TUC-T	eP	15 28 22
May 24		
EUR	iP	15 38 08
HH	iP	15 38 38
May 24		
HH	iP	15 44 40

Date and Station		Phase (GCT)
		h m s
May 24		
HH	iP	15 57 55
TUC-T	eP	15 56 42
	e	56 48
May 24		
TUC-T	eP	16 13 33
May 24		
COL	eP	16 41 25
	i	41 31
EUR	eP	16 44 09
HH	eP	16 43 43
May 24		
TUC-T	e(P)	18 03 20
May 24		
BC	eP	18 08 21
EUR	iP	18 08 36
TUC	eP	18 07 58
TUC-T	eP	18 07 57
May 24		
BC	eP	19 22 52
EUR	iP	19 23 07
TUC	eP	19 22 35
TUC-T	eP	19 22 28
	e	22 34
May 24		
COLU	eP	19 26 47
May 24		
EUR	iP	20 21 18
May 24		
EUR	iP	20 29 22
May 24		
COL	iP'	20 51 50
COLU	eP	20 45 18
EUR	iP	20 44 32
	i	46 19
HH	e(P')	20 51 03
SJ	iP	20 43 51
TUC	eP	20 45 42
TUC-T	iP	20 45 41
	ePP	49 15
WASH	eP	20 45 43
May 24		
HH	eP	21 02 36
	i	02 54
May 24		
TUC-T	eP	22 10 07
May 24		
EUR	iP	22 23 23
HH	eP	22 23 53
TUC-T	iP	22 21 27
May 24		
TUC-T	eP	22 50 12
May 24		
TUC-T	e	23 27 08
May 24		
TUC	e(P)	23 35 12
TUC-T	e(P)	23 35 11
May 25		
HH	iP	00 05 07
	iL	06 11
May 25		
BC	eP	00 32 10
COLU	eP	00 31 22
EUR	iP	00 32 28
SJ	iP	00 29 56
TUC	e(P)	00 31 48
TUC-T	eP	00 31 43
May 25		
EUR	iP	00 40 11
TUC	eP	00 39 36
TUC-T	e(P)	00 39 35
May 25		
EUR	eP	01 03 19
TUC	eP	01 02 47
TUC-T	e(P)	01 02 41
May 25		
TUC	eP	01 05 29
May 25		
BC	eP	03 28 53
EUR	iP	03 29 08
TUC	eP	03 28 29
	e	28 37
TUC-T	eP	03 28 28
	e	28 36
May 25		
TUC	eP	03 48 06
TUC-T	eP	03 48 05
May 25		
EUR	iP	04 03 13
May 25		
BC	eP	04 57 09
COL	eP'	05 03 10
COLU	eP	04 56 25
EUR	iP	04 57 29
TUC	eP	04 56 48
TUC-T	eP	04 56 48
May 25		
HH	e(P)	06 02 58
May 25		
EUR	iP	06 16 00
May 25		
EUR	eP	06 44 23
May 25		
EUR	iP	06 46 32
HH	iP	06 47 04
TUC	iP	06 45 51
TUC-T	iP	06 45 51
May 25		
EUR	iP	06 56 39
TUC	eP	06 55 59
TUC-T	e	06 55 58
May 25		
TUC	iP	08 28 37
TUC-T	eP	08 28 36
May 25		
BH	iP	08 44 03D
BC	eP	08 47 28C
	ePKKP	09 05 04
BOZ	eP	08 48 02D
BUT	eP	08 48 05C
COL	iP'	08 53 31C
	ePP	55 14
	ePKKP	09 03 12
	ePS	05 31
	eP'P'	12 01
	eSS	16 28
	eL	27 45
COLU	eP	08 46 38C
	e	46 44
	ePP	49 24
	eS	56 19
EUR	iP	08 47 43D
	iPKKP	09 05 09
	iP'P'	13 24
GUAM	eP'	08 54 04
HH	eP	08 48 16
	ePP	52 23
	ePKKP	09 04 18
	eP'P'	13 05
RC	eP	08 47 44D
	iP	47 49
	ePP	51 02
	eS	59 07
	ePPS	09 00 14
	e	01 43
	e	03 48
	ePKKP	05 39
SLC	eP	08 47 38C
	ePP	51 20
SJ	eP	08 45 04C
	iP	45 10
	i	45 21
THULE	eP'	08 53 35
	ePP	55 00
TUC	iP	08 47 05D
	e	47 11
	ePP	50 25
	eS	57 25
	eSS	09 01 38
	eL	09 07
TUC-T	iP	08 47 04D
	e	47 10
	ePP	50 10
	e	50 25
	eL	09 13 27
UKIAH	eP	08 48 05D
WASH	eP	08 47 06C
May 25		
COL	iP	09 40 40
TUC	eP	09 40 27
TUC-T	eP	09 40 26
May 25		
BC	eP	10 12 02
COLU	eP	10 11 03
EUR	iP	10 12 19
HH	iP	10 12 50

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Date and Station		Phase	(GCT) h m s
RC	eP		10 12 15
TUC	iP		10 11 36
TUC-T	iP		10 11 35
May 25			
BC	eP		10 26 18
EUR	iP		10 26 24
TUC	iP		10 26 21
	i		26 26
	i		26 32
TUC-T	iP		10 26 20
	i		26 31
May 25			
TUC	eP		10 51 04
TUC-T	eP		10 51 03
May 25			
BC	eP		12 58 18
EUR	iP		12 58 34
HH	iP		12 59 06
TUC	e(P)		12 57 54
TUC-T	eP		12 57 53
May 25			
COL	eP		13 02 43
May 25			
COL	eP		13 51 11
EUR	eP		13 51 37
GUAM	eP		13 42 59
	iP		43 05
	i		43 24
HH	e(P')		13 56 10
	e		57 10
May 25			
EUR	eP		14 08 12
May 25			
COL	eP		14 40 28
May 25			
EUR	iP		15 04 55
HH	eP		15 05 28
TUC	e(P)		15 04 15
TUC-T	eP		15 04 14
May 25			
BC	eP		15 10 51
	epP		12 58
BOZ	epP		15 13 34

Date and Station		Phase	(GCT) h m s
COL	iP		15 11 17
	epP		13 26
EUR	iP		15 10 54
	ipP		13 02
GUAM	iP		15 07 19
	i		07 47
HH	iP		15 11 22
	epP		13 24
	iPP		15 09
	iS		21 00
KIP	eP		15 07 05
RC	epP		15 13 53
	ePP		15 44
SLC	eP		15 11 12
	epP		13 19
TUC	iP		15 10 57
	ipP		13 03
TUC-T	iP		15 10 56
	ipP		13 03
UKIAH	eP		15 10 31
May 25			
BC	eP		15 16 50
COL	iP		15 17 16
EUR	iP		15 16 54
HH	iP		15 17 22
TUC	eP		15 16 56
TUC-T	iP		15 16 56
May 25			
EUR	iP		16 35 35
HH	iP		16 36 08
TUC	eP		16 34 53
TUC-T	iP		16 34 53
May 25			
EUR	iP		16 59 54
TUC-T	eP		16 59 14
May 25			
COL	eP		17 23 58
May 25			
EUR	eP		17 32 18
TUC-T	eP		17 32 36
May 25			
EUR	iP		18 05 26

Date and Station		Phase	(GCT) h m s
TUC-T	eP		18 04 45
May 25			
EUR	eP		18 33 04
May 25			
BC	eP		18 33 18
EUR	iP		18 33 33
TUC-T	e(P)		18 32 48
May 25			
BUT	eP		18 40 07
	iS		40 23
	iL		40 31
EUR	eP		18 41 19
	eS		42 29
	eL		42 35
HH	eP		18 40 40
	iP		40 52
	iL		41 42
RC	e		18 41 33
SLC	eP		18 40 54
May 25			
EUR	iP		19 08 27
May 25			
GUAM	eP		19 32 21
May 25			
BC	eP		19 34 22
BOZ	eP		19 34 55
BUT	eP		19 35 00
COL	eP'		19 40 38
EUR	iP		19 34 38
HH	iP		19 35 11
SJ	iP		19 31 46
TUC	eP		19 33 56
TUC-T	iP		19 33 55
May 25			
EUR	iP		21 16 54
TUC-T	e(P)		21 16 10
May 25			
BC	eP		22 21 53
EUR	iP		22 22 08
HH	iP		22 22 40

Date and Station		Phase	(GCT) h m s
May 25			
HH	eP		23 10 37
	i		10 56
	iL		11 48
May 25			
EUR	eP		23 31 06
May 25			
EUR	eP		23 39 01
May 25			
EUR	iP		23 52 24
RC	eP		23 51 15
May 26			
EUR	iP		00 14 27
TUC	iP		00 13 48
TUC-T	iP		00 13 47
May 26			
EUR	eP		00 36 25
May 26			
BC	eP		01 23 58
EUR	iP		01 24 12
TUC	iP		01 23 35
	iPP		26 35
TUC-T	eP		01 23 34
	ePP		26 34
May 26			
EUR	iP		01 27 13
May 26			
COL	eP		01 34 35
May 26			
EUR	iP		01 42 02
TUC	eP		01 41 21
TUC-T	eP		01 41 21
May 26			
EUR	eP		03 23 49
May 26			
BC	eP		05 23 32
	ePP		27 08
BOZ	eP		05 22 46
BUT	eP		05 22 47
COL	iP		05 21 52
	eS		31 31
COLU	eP		05 22 03
	e		22 07
EUR	iP		05 23 19

Date and Station		Phase (GCT) h m s
HH	iP	05 22 39
RC	iP	05 22 32
SLC	eP	05 23 06
SIT	eP	05 22 28
THULE	iP	05 19 13
	iPcP	20 33
TUC	iP	05 23 37
	e	23 46
	e	26 28
	ePP	27 22
	eL	55 15
TUC-T	iP	05 23 36
WASH	iP	05 21 33
	e(S)	31 29
	eL	42 35
May 26		
EUR	eP	05 43 06
May 26		
HH	iP	05 50 26
May 26		
EUR	eP	06 47 45
May 26		
EUR	eP	06 54 11
May 26		
BC	eP	06 56 11
COL	iP'	07 02 11
EUR	eP	06 56 26
TUC	eP	06 55 49
TUC-T	eP	06 55 48
May 26		
COL	i(P)	07 30 02
May 26		
EUR	iP	07 56 47
HH	eP	07 57 18
TUC	eP	07 56 05
TUC-T	eP	07 56 04
May 26		
EUR	eP	09 31 19
May 26		
EUR	iP	10 11 50
May 26		
RC	eP	10 30 04
May 26		
BC	eP	10 36 31
May 26		
EUR	iP	10 51 46
May 26		
BC	eP	12 07 28
EUR	iP	12 07 44
TUC	eP	12 07 04
TUC-T	eP	12 07 03
May 26		
EUR	eP	12 33 14
TUC	e(P)	12 32 33
TUC-T	eP	12 32 32
May 26		
EUR	eP	13 06 46
May 26		
EUR	eP	13 08 11
May 26		
BC	eP	15 19 09
	e	19 17
COL	iP'	15 27 27
EUR	iP	15 19 25
HH	iP	15 20 05
TUC-T	iP	15 18 43
	i	18 52
May 26		
BC	eP	15 21 16
EUR	iP	15 21 32
HH	iP	15 22 04
TUC-T	iP	15 20 50
	i	20 59
May 26		
EUR	iP	15 49 15
HH	iP	15 49 47
TUC-T	iP	15 48 33
May 26		
EUR	eP	16 07 57
May 26		
EUR	eP	17 16 29
TUC-T	eP	17 15 50
May 26		
EUR	iP	17 49 04
May 26		
EUR	iP	18 17 37
May 26		
EUR	eP'	18 23 57
HH	eP'	18 22 04
	ePP	23 45
May 26		
EUR	iP	18 42 31
	i	42 41
May 26		
EUR	eP	19 00 25
HH	e(P)	19 00 52
May 26		
BC	eP	19 13 21
	eL	14 20
EUR	iP	19 14 08
	iL	16 08
May 26		
EUR	eP	19 26 35
May 26		
EUR	eP	19 30 08
May 26		
COLU	eP	19 33 25
May 26		
BC	eP	19 46 47
EUR	iP	19 46 36
	i	46 42
HH	iP	19 47 14
RC	iP	19 46 38
May 26		
EUR	iP	20 11 54
	i	12 01
HH	eP	20 12 25
May 26		
COL	iP	20 17 05
	i	17 19
EUR	ePP	20 23 39
HH	ePP	20 22 55
May 26		
HH	iP	20 46 26
May 26		
EUR	eP	22 00 49
May 26		
TUC	eP	22 37 47
May 26		
BC	eP	23 11 31
EUR	iP	23 11 47
	i	11 54
	i	12 41
HH	iP	23 12 18
TUC	iP	23 11 06
TUC-T	iP	23 11 05
May 27		
COL	eP	00 38 18
	epP	38 40
EUR	iP	00 38 16
	i	38 47
TUC	eP	00 38 42
TUC-T	e(P)	00 38 41
May 27		
EUR	iP	00 41 33
	iS	41 55
	iL	41 58
May 27		
EUR	iP	00 49 30
TUC	eP	00 48 51
TUC-T	eP	00 48 51
May 27		
EUR	iP	01 02 29
May 27		
BC	eP	01 12 34
EUR	iP	01 12 49
	i	12 56
TUC	eP	01 12 11
TUC-T	eP	01 12 10
	e	12 18
May 27		
COL	iP	01 35 02
EUR	eP	01 37 58
HH	iP	01 37 22
May 27		
EUR	eP	01 40 27
May 27		
COL	i(P)	01 58 27
EUR	iP	01 57 59
May 27		
EUR	eP	02 42 15
May 27		
EUR	eP	02 55 45
May 27		
BOZ	eP	03 19 02
EUR	iP	03 18 32

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Date and Station		Phase	(GCT) h m s
May 27			
BC		eP	03 30 00
COL		iP'	03 36 12
COLU		eP	03 29 04
EUR		iP	03 30 16
HH		iP	03 30 48
SLC		eP	03 30 13
TUC		iP	03 29 35
TUC-T		iP	03 29 34
WASH		iP	03 29 31
May 27			
EUR		eP	03 48 07
TUC		eP	03 47 28
TUC-T		e(P)	03 47 27
May 27			
EUR		eP	04 23 14
		i	24 23
May 27			
COL		eP	04 47 44
EUR		iP	04 48 44
		i	49 32
May 27			
EUR		iP	05 17 02
TUC		eP	05 16 21
TUC-T		eP	05 16 21
May 27			
EUR		eP	06 10 20
		iP	10 23
May 27			
EUR		iP	06 35 43
		i	36 15
HH		e(P)	06 35 14
		i	36 06
May 27			
EUR		iP	07 08 26
May 27			
BC		eP	08 09 53
EUR		iP	08 10 08
TUC		eP	08 09 28
TUC-T		eP	08 09 28
May 27			
EUR		iP	08 13 54
May 27			
EUR		iP	10 37 40
		i	37 49
HH		iP	10 38 20
TUC		eP	10 36 52
		e	37 07
TUC-T		eP	10 36 57
May 27			
EUR		iP	10 41 47
		i	41 58
		i	42 07
May 27			
EUR		iP	11 00 29
TUC		eP	10 59 48
TUC-T		eP	10 59 47
May 27			
EUR		iP	11 23 28
May 27			
EUR		iP	11 39 28
TUC		e(P)	11 38 45
TUC-T		e(P)	11 38 45
May 27			
EUR		iP	11 48 38
May 27			
EUR		eP	12 25 12
TUC		eP	12 24 31
May 27			
EUR		eP	13 43 12
May 27			
EUR		iP	13 44 57
May 27			
EUR		eP	14 16 07
May 27			
EUR		eP	14 52 32
TUC-T		eP	14 51 52
May 27			
EUR		iP	14 57 54
		i	58 07
May 27			
EUR		iP	15 12 53
		i	13 08
May 27			
EUR		iP	15 43 18
May 27			
EUR		iP	16 04 29
May 27			
EUR		iP	16 30 01
HH		i(P)	16 31 30
May 27			
COL		iP'	17 39 36
		i	39 45
EUR		eP'	17 38 38
HH		iP'	17 38 48
May 27			
EUR		eP	18 19 56
May 27			
EUR		iP	18 37 53
TUC-T		eP	18 37 10
May 27			
EUR		iP	19 36 38
		i	36 48
May 27			
EUR		iP	19 51 49
		ipP	52 09
May 27			
BC		eP	20 23 13
COL		iP	20 22 09
		ipP	22 45
EUR		iP	20 23 08
		ipP	23 47
HH		e(P)	20 23 14
		e	23 40
GUAM		iP	20 14 29
		ipP	14 54
		iPcP	18 5[illegible]
May 27			
BC		eP	21 00 36
EUR		iP	21 00 54
		ipP	01 09
HH		iP	21 01 24
		ipP	01 39
TUC-T		eP	21 00 04
May 27			
EUR		eP	22 03 29
TUC-T		eP	22 02 49
May 27			
COL		iP	22 33 15
May 27			
BH		iP	23 16 19
BC		eP	23 19 49
COL		iP'	23 25 51
COLU		eP	23 18 58
EUR		iP	23 20 03
HH		ePP	23 24 43
SJ		eP	23 17 28
TUC		eP	23 19 24
TUC-T		eP	23 19 24
		ePP	22 42
WASH		iP	23 19 24
		ePP	22 36
May 27			
EUR		iP	23 27 18
TUC		eP	23 26 39
TUC-T		iP	23 26 38
May 27			
EUR		iP	23 33 40
HH		ePP	23 37 30
SJ		eP	23 31 07
TUC		eP	23 32 59
TUC-T		eP	23 33 00
May 27			
EUR		eP	23 58 22
May 28			
EUR		iP	00 00 49
May 28			
SJ		iP	00 21 16
May 28			
EUR		e	00 34 04
May 28			
EUR		iP	01 29 01
May 28			
EUR		eP	01 39 08
TUC		eP	01 38 26
TUC-T		eP	01 38 27
May 28			
COL		iP	01 56 33
EUR		iP	01 53 08
May 28			
EUR		iP	03 15 41
TUC		eP	03 15 02
		e	16 58

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Date and Station		Phase (GCT)
		h m s
TUC-T	e(P)	03 15 01
May 28		
EUR	iP	03 17 41
HH	e(P)	03 18 12
TUC-T	eP	03 16 58
May 28		
HH	iP	03 14 39
TUT	eP	03 19 07
COLU	eP	03 17 27
EUR	iP	03 18 45
	ipP	18 55
HH	iP	03 19 16
SLC	eP	03 18 43
SJ	iP	03 15 46
TUC	eP	03 18 03
	i	18 08
TUC-T	eP	03 18 03
	i	18 08
WASH	iP	03 17 55
May 28		
BH	iP	05 59 19
	iS	59 42
May 28		
BC	eP	06 19 04
COL	iP'	06 25 04
COLU	eP	06 18 14
EUR	iP	06 19 19
TUC	iP	06 18 40
TUC-T	iP	06 18 40
WASH	iP	06 18 39
May 28		
EUR	eP	07 06 58
May 28		
EUR	iP	07 07 50
TUC	eP	07 07 07
May 28		
COL	iP	07 23 56
EUR	iP	07 24 56
HH	eP	07 25 04
May 28		
BC	eP	08 18 37

Date and Station		Phase (GCT)
May 28		h m s
EUR	iP	08 30 26
HH	iP	08 30 55
RC	iP	08 30 08
TUC	e(P)	08 29 36
TUC-T	eP	08 29 36
May 28		
EUR	iP	09 42 22
May 28		
BC	eP	10 56 50
BUT	eP	10 57 25
COL	eP'	11 02 58
EUR	iP	10 57 04
HH	iP	10 57 36
RC	iP	10 57 02
SLC	eP	10 57 02
TUC	iP	10 56 23
TUC-T	eP	10 56 23
May 28		
EUR	eP	11 12 36
May 28		
BC	eP	11 18 18
BUT	eP	11 18 45
COL	eP'	11 24 26
	e	24 36
	ePP	25 55
	e(S)	33 26
	e	41 45
	eL	50 20
COLU	eP	11 17 13
EUR	iP	11 18 26
	ipP	18 36
	i	19 47
HH	iP	11 18 56
	e(PP)	22 21
RC	iP	11 18 21
	i	18 31
	i	19 00
SLC	eP	11 18 21
SJ	iP	11 15 22
TUC	iP	11 17 42
	i	17 52
TUC-T	eP	11 17 42
	i	17 52

Date and Station		Phase (GCT)
		h m s
WASH	iP	11 17 32
May 28		
HH	e(P)	11 32 49
May 28		
HH	eP	11 48 06
May 28		
EUR	iP	11 52 41
TUC	eP	11 51 59
TUC-T	eP	11 51 59
	i	52 08
May 28		
EUR	eP	13 13 19
May 28		
EUR	iP	14 08 14
May 28		
EUR	iP	16 05 24
TUC-T	eP	16 04 43
May 28		
HH	eP	17 47 08
	iL	48 11
May 28		
EUR	eP	18 10 11
May 28		
EUR	eP	18 41 22
May 28		
EUR	iP	18 46 50
May 28		
COL	eP	18 52 00
EUR	iP	18 48 23
HH	iP	18 49 25
May 28		
EUR	iP	18 50 06
May 28		
EUR	iP	19 05 37
	e	06 06
May 28		
HH	iP	19 35 26
May 28		
EUR	iP	22 03 05
HH	iP	22 02 54
May 28		
COL	eP	22 45 54
May 28		
EUR	eP	23 20 21

Date and Station		Phase (GCT)
May 29		h m s
EUR	iP	00 14 36
	i	15 43
May 29		
EUR	eP	00 22 57
May 29		
EUR	iP	01 41 45
TUC	eP	01 41 04
TUC-T	eP	01 41 04
May 29		
EUR	iP	02 03 59
HH	iP	02 04 31
TUC	iP	02 03 15
TUC-T	iP	02 03 16
May 29		
EUR	eP	02 45 31
May 29		
EUR	eP	03 20 26
HH	eP	03 21 08
May 29		
EUR	iP	03 46 07
	i	46 14
TUC	eP	03 45 24
TUC-T	eP	03 45 24
May 29		
EUR	eP	05 04 56
May 29		
EUR	eP	05 24 34
TUC	eP	05 23 51
TUC-T	eP	05 23 52
May 29		
EUR	eP	05 39 47
TUC	eP	05 39 06
	e	39 13
TUC-T	eP	05 39 05
May 29		
BH	iP	07 46 00
	iS	54 50
BC	eP	07 51 58
	e	52 08
	eS	08 02 20
BOZ	eP	07 52 29

Date and Station		Phase (GCT)
		h m s
BUT	eP	07 52 35C
	eS	08 02 59
	eL	26 09
COL	iP'	07 58 16
	ePP	59 12
	eS	08 07 13
	ePS	09 21
	ePPS	11 16
	eSS	15 45
	eSSS	20 06
	eL	34 06
COLU	eP	07 50 51
	ePP	53 30
	eS	08 00 08
EUR	iP	07 52 15C
	ipP	52 25
	iPKKP	08 10 12
	iP'P'	18 15
HH	iP	07 52 45
	ePP	56 11
	ePKKP	08 10 14
RC	iP	07 52 10
	i	52 21
	i	52 48
	i	53 38
SJ	iP	07 49 09
	i	49 22
	i	49 43
	eS	56 56
SLC	eP	07 52 11
TUC	iP	07 51 31
	i	51 42
	iS	08 01 25
	eS	01 27
	eL	17 11
TUC-T	iP	07 51 31
	i	51 40
	eP'P'	08 18 36
UKIAH	iP	07 52 39
WASH	iP	07 51 21D
	iPP	54 15
May 29		
EUR	eP	08 06 34
May 29		
COL	eP'	08 30 54
EUR	iP	08 33 25
HH	iP	08 33 05
	e	33 35
SIT	eP	08 31 43
May 29		
BC	eP	08 46 50

Date and Station		Phase (GCT)
		h m s
BOZ	eP	08 47 22
BUT	eP	08 47 27
COL	iP'	08 53 08
EUR	iP	08 47 06
	i	47 16
	iPKKP	09 05 04
HH	iP	08 47 37
RC	eP	08 47 02
	i	47 11
	eS	57 30
SLC	eP	08 47 04
SJ	iP	08 44 02
TUC	iP	08 46 24
	i	46 32
TUC-T	eP	08 46 24
May 29		
EUR	iP	10 30 42
	i	30 51
TUC	e(P)	10 30 06
	e	30 12
TUC-T	eP	10 30 02
	e	30 09
May 29		
EUR	eP	10 34 51
May 29		
EUR	eP	11 07 07
May 29		
COL	iP	11 11 42
May 29		
COL	eP	12 04 23
EUR	iP	12 05 43
HH	eP	12 04 44
RC	eP	12 06 24
May 29		
UKIAH	eP	12 28 16
May 29		
EUR	eP	13 48 41
TUC	eP	13 48 02
TUC-T	eP	13 47 57
	i	48 02
May 29		
BC	eP	14 17 52
BOZ	eP	14 18 23

Date and Station		Phase (GCT)
		h m s
BUT	eP	14 18 28
COL	eP'	14 24 10
EUR	iP	14 18 09
	i	18 19
HH	iP	14 18 39
RC	iP	14 18 21
SLC	eP	14 18 05
TUC	iP	14 17 25
TUC-T	iP	14 17 25
WASH	iP	14 17 14
May 29		
EUR	eP	17 18 10
May 29		
EUR	eP	17 46 32
May 29		
EUR	eP	18 11 11
May 29		
EUR	eP	19 00 28
May 29		
EUR	iP	19 14 29
May 29		
COL	eP	20 10 33
EUR	eP'	20 16 15
HH	e(P')	20 16 02
May 29		
BUT	eP	21 07 18
May 29		
BC	eP	21 36 42
COL	iP'	21 42 49
COLU	eP	21 35 47
EUR	iP	21 36 56
	i	37 06
	i	37 13
HH	iP	21 37 28
RC	iP	21 36 57
SLC	eP	21 36 55
SJ	iP	21 34 13
TUC	iP	21 36 17
	eL	22 02 39
TUC-T	iP	21 36 17

Date and Station		Phase (GCT)
		h m s
WASH	iP	21 36 15
	iPP	39 25
May 29		
BC	eP	21 52 22
BUT	eP	21 52 58
COL	eP'	21 58 39
EUR	iP	21 52 28
	i	52 39
HH	iP	21 53 09
	e	54 39
RC	eP	21 52 23
	i	52 35
SLC	eP	21 52 24
TUC	eP	21 51 44
	i	51 55
TUC-T	eP	21 51 44
	i	51 55
May 29		
EUR	eP	21 54 29
May 29		
EUR	iP	23 32 46
May 30		
EUR	eP	01 48 29
May 30		
EUR	eP	02 14 59
May 30		
EUR	eP	02 28 43
May 30		
HH	e(P)	02 34 34
TUC	eP	02 33 20
	i	33 26
TUC-T	iP	02 33 20
	i	33 26
UKIAH	eP	02 35 04
May 30		
EUR	eP	03 10 24
May 30		
EUR	eP	03 14 10
	i	14 20
May 30		
EUR	eP	04 17 36
May 30		
EUR	eP	04 19 09
TUC	eP	04 18 23

Date and Station		Phase (GCT)
		h m s
TUC-T	eP	04 13 22
May 30		
EUR	eP	04 59 29
May 30		
EUR	eP	05 50 36
May 30		
BC	eP	07 08 39
COL	eP	07 04 37
	e(S)	07 35
	eL	08 04
EUR	iP	07 08 12
	i	08 21
	i	08 29
HH	iP	07 07 39
	iPcP	10 20
	iScP	14 00
RC	eP	07 08 51
THULE	eP	07 07 24
TUC	eP	07 09 19
TUC-T	eP	07 09 17
	e	09 25
May 30		
BC	e(P)	07 13 14
BOZ	eP	07 13 45
BUT	eP	07 13 49
EUR	iP	07 13 33
RC	eP	07 13 25
SLC	eP	07 13 26
TUC	iP	07 12 47
TUC-T	iP	07 12 47
May 30		
EUR	iP	08 28 12
	i	28 17
	eS	28 52
	eL	28 58
May 30		
BC	eP	08 42 31
	e	44 04
EUR	eP	08 42 35
THULE	eP'	08 49 51
TUC	eP	08 42 31
	e	43 38
TUC-T	eP	08 42 31

Date and Station		Phase (GCT)
		h m s
May 30		
EUR	eP	09 56 21
	i	56 28
May 30		
COL	iP	09 58 10
EUR	iP	09 58 31
	i	58 46
May 30		
EUR	eP	10 43 25
May 30		
BUT	eP	11 17 30
May 30		
EUR	eP	11 28 51
	i	29 01
May 30		
BOZ	eP	11 39 31
BUT	eP	11 39 44
EUR	eP	11 43 10
May 30		
BC	eP	12 45 21
TUC	iP	12 43 38
	eL	44 45
TUC-T	eP	12 43 38
	e	43 46
	eL	44 30
May 30		
EUR	eP	13 13 57
May 30		
EUR	eP	16 16 25
May 30		
COL	eP	16 17 56
EUR	eP	16 58 52
May 30		
BC	eP	17 59 12
BOZ	eP	17 59 43
BUT	eP	17 59 47
EUR	iP	17 59 28
	i	59 35
	i	59 49
HH	iP	17 59 58
RC	eP	17 59 24
TUC	iP	17 58 44
TUC-T	iP	17 58 44
May 30		
EUR	eP	21 34 29

Date and Station		Phase (GCT)
		h m s
May 30		
EUR	iP	21 49 02
	i	49 11
TUC	e(P)	21 48 19
TUC-T	eP	21 48 19
May 30		
EUR	iP	21 51 24
	i	51 35
May 30		
COL	eP	21 58 21
May 30		
EUR	iP	22 28 13
	i	28 23
May 30		
EUR	eP	22 30 22
May 31		
EUR	eP'	00 42 53
May 31		
EUR	eP	00 44 50
May 31		
EUR	eP	01 20 12
May 31		
COL	eP	02 42 20
May 31		
BH	iP	02 48 47D
	iS	55 53
BC	eP	02 52 33D
	eS	03 02 58
BOZ	eP	02 53 06
BUT	eP	02 53 10D
	eS	03 03 18
COL	iP'	02 58 49
	eSKS	03 05 48
	eL	35 25
COLU	eP	02 51 35
EUR	iP	02 52 48D
	i	52 57
	iPKKP	03 10 42
	eP'P'	18 37
HH	iP	02 53 21
	e	03 10 03
	iPKKP	10 26
	i	11 01
RC	iP	02 52 48
	i	53 23
SLC	eP	02 52 47
SJ	iP	02 49 57

Date and Station		Phase (GCT)
		h m s
TUC	iP	02 52 06
	eL	03 16 19
TUC-T	iP	02 52 06
UKIAH	eP	02 53 03
WASH	iP	02 52 03
	iPP	55 06
May 31		
COL	eP	04 02 34
EUR	eP	04 05 12
HH	e(P)	04 04 06
May 31		
EUR	eP	04 27 07
May 31		
EUR	eP	04 46 02
	i	46 51
TUC	eP	04 45 17
TUC-T	eP	04 45 19
May 31		
COL	eP	05 05 26
EUR	iP	05 05 35
May 31		
EUR	eP	05 25 28
May 31		
EUR	eP	07 10 33
May 31		
EUR	eP	07 45 33
TUC	eP	07 44 50
May 31		
EUR	iP	10 56 06
May 31		
BC	eP	11 11 17C
	eS	18 32
BH	iP	11 06 46C
	iS	10 38
BOZ	iP	11 11 10C
	e	16 30
	eS	18 16
	eScS	21 00
BUT	eP	11 11 18C
	e	16 29
	eS	18 34
	eScS	21 04
	eL	24 24

Date and Station		Phase	(GCT)
			h m s
COL	iP		11 13 45
	iS		23 05
	e		26 35
	e		28 43
	eL		31 40
COLU	eP		11 07 31C
	eS		11 46
EUR	iP		11 11 26C
	i		11 34
	iPcP		12 41
	e(S)		18 30
	eScS		21 22
	eP'P'		41 47
HONO	iP		11 15 17D
HH	iP		11 11 30
	iPcP		12 42
KIP	eP		11 15 17
RC	iP		11 10 24
	i		10 49
	i		11 02
	i		11 29
	iPcP		12 10
	i		12 32
SLC	iP		11 11 04C
	e		11 53
	eS		18 08
	eL		22 00
SJ	iP		11 03 25
	i		03 40
	iS		04 13
SIT	eP		11 13 12
THULE	iP		11 12 18
TUC	iP		11 10 48
	iPP		12 11
	eS		17 23
	iS		17 43
	iSS		21 16
	eL		24 18
TUC-T	iP		11 10 47
	eS		17 35
UKIAH	iP		11 12 07
WASH	iP		11 07 45D
	e(S)		12 13
	eL		14 18
May 31			
SJ	iP		11 11 47
	i		11 53
	iS		12 40
	iS		12 43
May 31			
TUC-T	iP		11 18 10

Date and Station		Phase	(GCT)
			h m s
May 31			
SIT	eP		11 43 56
THULE	eP		11 42 00
May 31			
BC	eP		11 51 15
COL	iP		11 53 42
COLU	eP		11 47 28
EUR	iP		11 51 23
HH	iP		11 51 27
RC	iP		11 50 21
SLC	eP		11 51 01
SJ	eP		11 43 22
	iP		43 25
	iS		44 12
TUC	iP		11 50 45
TUC-T	iP		11 50 44
May 31			
COLU	eP		11 51 55
May 31			
EUR	eP		12 13 16
SJ	iP		12 03 44
	iS		04 34
May 31			
EUR	iP		12 20 01
May 31			
BC	eP		13 24 37
	ePP		28 21
COL	iP		13 23 28
	i		23 44
EUR	eP		13 24 19
	i		24 36
	i		25 07
	ePP		28 13
HH	ePP		13 28 24
May 31			
EUR	eP		13 49 43
May 31			
EUR	eP		15 19 04
May 31			
HH	e(P)		15 29 44
May 31			
BC	eP		16 32 32
EUR	iP		16 32 48
	i		33 06
HH	eP		16 33 19

Date and Station		Phase	(GCT)
			h m s
TUC-T	eP		16 32 07
	i		32 18
May 31			
EUR	eP		16 50 26
	i		50 39
May 31			
EUR	eP		18 23 21
May 31			
COL	e(P)		18 47 01
EUR	eP		18 47 09
May 31			
EUR	eP		19 14 11
	i		14 18
TUC	iP		19 13 34
TUC-T	e(P)		19 13 27
	i		13 34
May 31			
EUR	iP		19 19 28
TUC	eP		19 19 04
	i		19 09
	eL		20 14
May 31			
WASH	eP		19 46 38
	e		47 12
May 31			
BC	eP		20 16 16
EUR	eP		20 16 32
TUC-T	eP		20 15 50
May 31			
BC	eP'		21 18 49
BOZ	eP'		21 18 44
	ePP		20 52
EUR	iP'		21 18 43
	ePP		20 53
	ipP'		21 07
	i		21 16
	i		21 21
HH	iP'		21 18 38
	ePP		20 41
RC	ipP'		21 21 26
TUC-T	ipP'		21 21 34
WASH	iP'		21 19 19
	ipP'		21 31
May 31			
RC	eP		22 16 27

Date and Station	Phase (GCT)
	h m s

Date and Station	Phase (GCT)
	h m s
Local and Minor Earthquakes	
May	
BOZ.	
2	03.6
	05.2
	14.4
5	16.7
	16.8
6	10.9
	12.0
9	07.6
	08.5
	12.2
12	18.4
14	17.0
15	07.5
	08.8
	10.8
	22.7
16	00.4
	02.2
17	03.8
	05.2
18	02.8
20	19.6
	20.6
21	09.4
	11.8
24	04.3
25	18.6
	23.2
28	16.8
31	15.2
May	
BUT	
1	19.1
2	14.5
5	16.7
6	10.9
8	11.4
10	12.3
15	07.5
	08.0
	08.8
	10.8
	19.3
	22.7
16	00.5
	01.1
	02.2
	05.5
23	09.1
	11.7
May	
COL	
2	06.4
3	04.8
4	09.3
5	10.2
6	05.8
8	10.5
	19.7
10	13.5
11	09.9

Date and Station	Phase (GCT)
	h m s
COL	
13	19.6
16	21.2
17	03.1
	04.6
	08.3
	09.7
	14.1
	19.5
19	13.9
	15.5
21	02.0
	03.0
	18.7
	21.5
22	08.2
	16.2
23	07.9
	12.3
	15.1
	18.1
	22.8
24	09.1
	12.2
27	03.7
28	07.2
29	03.0
	18.8
	20.2
30	08.3
31	14.9
	17.7
	23.0
May	
EUR	
1	20.6
5	02.8
	15.3
14	14.2
May	
HONO	
17	13.1
May	
RC	
4	08.1
	15.6
May	
SJ	
8	22.4
15	07.7
May	
SIT	
15	07.9
May	
TUC	
1	12.0
3	10.3
	10.4
	11.7
	12.3
7	07.9
8	08.0

Date and Station	Phase (GCT)
	h m s
TUC	
13	12.6
14	04.8
17	08.9
	09.0
18	07.2
22	23.3
23	03.2
	13.5
26	19.2
30	08.5
	14.2
	16.6
31	09.8

Date and Station	Phase (GCT)
	h m s

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