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SEISMOLOGICAL BULLETIN

COAST & GEODETIC SURVEY
SEP 28 1961
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June, 1960

MSI - 234

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U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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March 4, 2011

1960

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

**Balboa Heights, C. Z. (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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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
June	h m s	°	°	
1	01 35 19*	39½ S.	73½ W.	Chile.
1	05 02 56*	38 S.	73 W.	Chile.
1	12 58 45*	39½ S.	75½ W.	Off coast of Chile.
1	14 06 49*	43½ S.	74 W.	Chile.
1	17 42 50*	51 N.	157 E.	Kamchatka. h about 100 km.
1	21 12 50*	42 S.	74 W.	Near coast of Chile.
1	22 31 46*	40½ S.	75½ W.	Off coast of Chile. h about 60 km.
1	23 24 44*	40 S.	75½ W.	do.
2	01 52 52*	4½ N.	123½ E.	Near south coast of Mindanao, Philippine Islands. h about 550 km.
2	02 39 05*	45 S.	74 W.	Near coast of Chile. h about 60 km.
2	05 02 33*	39 S.	73 W.	Chile.
2	05 58 03*	46½ S.	74 W.	Southern Chile. Mag. 6¾.
2	07 19 10*	19 S.	175 W.	Tonga Islands. h about 150 km.
2	07 22 30*	33½ N.	60 E.	Iran.
2	07 47 11*	5½ S.	151½ E.	New Britain. Felt at Rabaul, Karlai, Ragarere, and Palmalmal. Mag. 6½ - 6¾.
2	08 14 01*	17½ S.	176 W.	Fiji Islands region. h about 600 km.
2	08 36 10*	40 S.	74 W.	Near coast of Chile.
2	10 42 15*	40 S.	73 W.	Chile. h about 60 km.
2	12 42 38*	33½ N.	49 E.	Iran.
2	13 30 43*	43 S.	73½ W.	Near coast of Chile.
2	16 51 24*	38½ S.	75½ W.	Off coast of Chile. h about 60 km.
2	18 07 51*	18½ N.	61 W.	Leeward Islands region.
2	18 59 05*	20½ S.	178½ W.	Fiji Islands. h about 550 km.
2	19 48 29*	20½ S.	178 W.	do.
2	21 30 58*	38½ S.	74 W.	Near coast of Chile.
2	23 20 01*	6½ S.	149½ E.	New Britain. h about 60 km.
3	03 22 31*	29 S.	176½ W.	Kermadec Islands. h about 60 km.
3	07 38 14*	5½ S.	151 E.	New Britain. Felt at Lolobar, Palmalmal, and Talilligap.
3	10 27 40*	19 S.	66½ W.	Southern Bolivia. h about 250 km.
3	13 14 38*	17½ S.	179½ W.	Fiji Islands. h about 600 km. Mag. 6
3	13 23 37*	17½ S.	179 W.	do.
3	13 43 20*	44 S.	167½ E.	Near coast of South Island, New Zealand.
3	16 18 04*	41½ N.	141½ E.	Near south coast of Hokkaido, Japan. h about 100 km.
3	18 17 36*	42½ S.	75 W.	Off coast of southern Chile.
3	21 38 02*	31½ N.	114 W.	Gulf of California.
3	21 48 57*	41 S.	73½ W.	Chile.
4	02 27 06*	20 N.	104½ N.	Near coast of Jalisco, Mexico. Mag. 6 - 6¼.
4	03 02 49*	39 S.	73½ W.	Near coast of Chile.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
June	h m s	°	°	
4	03 18 54*	9 S.	67 E.	Indian Ocean.
4	06 21 54*	52½ S.	159 E.	Southwest of New Zealand.
4	08 09 55*	40½ N.	29½ W.	Azores region.
4	08 51 20*	34 N.	26½ E.	South of Crete. h about 150 km.
4	09 35 44*	40 S.	76 W.	Off coast of Chile.
4	10 14 11*	24 N.	143 E.	Volcano Islands region.
4	10 23 25*	42½ S.	74 W.	Near coast of Chile. h about 60 km.
4	11 05 10*	39½ N.	30½ W.	Azores region.
5	03 27 52*	44 S.	75 W.	Near coast of Chile. h about 60 km.
5	05 29 37*	65 S.	178 E.	Antarctic Ocean, about 500 miles east of Balleny Islands.
5	07 47 08	37.5 N.	118.6 W.	Inyo County, California. Felt in Yosemite Valley. Mag. 4.7.
5	09 34 58*	14½ N.	91 W.	Central Guatemala. h about 200 km.
5	19 30 30*	31½ S.	177 W.	Kermadec Islands.
5	20 27 49*	43 S.	74½ W.	Near coast of Chile. h about 60 km.
6	01 17 48*	41 N.	125 W.	Off coast of northern California. Felt at Humboldt and Del Norte Counties, California. Mag 5½ - 5¾ (Berk)
6	05 55 44*	45½ S.	73½ W.	Near coast of Chile. Mag. 6¼.
6	17 15 33*	46 S.	73½ W.	Near coast of southern Chile.
6	23 30 08*	23½ S.	180	South of Fiji Islands. h about 600 km.
7	03 35 01*	46 S.	74 W.	Near coast of Chile. h about 60 km.
7	05 22 34*	40½ S.	72 W.	Southern Chile.
7	05 25 11*	17 S.	98 E.	Indian Ocean.
7	07 00 17*	16 S.	174½ W.	Tonga Islands region. h about 150 km.
7	10 54 31*	56 S.	27 W.	Sandwich Islands.
7	11 19 49*	9 S.	117 E.	Sumbawa Island. h about 150 km.
7	12 55 58*	40½ S.	77 W.	Off coast of southern Chile.
7	12 57 15*	53 N.	158½ E.	Near east coast of Kamchatka.
7	13 27 49*	20 S.	177½ W.	Fiji Islands. h about 500 km.
7	14 02 06*	43 S.	73½ W.	Near coast of Chile. h about 60 km.
7	15 34 50*	14 N.	57 E.	Arabian Sea.
8	02 54 16*	40½ N.	124½ W.	Near coast of northern California.
8	05 10 25*	3½ S.	127 E.	Boeroe Island.
8	09 31 10	40½ S.	76 W.	Off coast of Chile.
8	13 27 53*	42 S.	74½ W.	Near coast of Chile. h about 60 km.
8	16 19 48*	35 N.	35 W.	North Atlantic Ocean.
8	21 47 48*	5 N.	77 W.	Near coast of Colombia. h about 100 km.
9	02 44 08*	39½ N.	39½ E.	Eastern Turkey.
9	05 05 01*	9 S.	112½ E.	Near south coast of Java. h about 350 km.
9	06 19 25*	43 S.	74 W.	Near coast of Chile.

Date June	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
1960	h m s	°	°	
9	08 23 59*	39½ N.	19 E.	Strait of Otranto.
9	10 05 01*	38½ S.	74 W.	Near coast of Chile.
9	10 53 36*	22 S	69 W.	Southern Bolivia, h about 200 km.
9	11 19 10*	45 N.	111½ W.	Hebgen Lake, Montana. Felt at Butte.
9	11 23 51*	18 S.	169 E.	New Hebrides Islands. Mag. 5¾ - 6 (Berk). Felt at Port Vila.
9	17 47 41*	38 N.	26 W.	Azores.
10	09 08 02*	15½ S.	174 W.	Samoa Islands region.
10	11 31 37*	17 S.	174 E.	Fiji Islands region.
10	11 59 06*	6½ S.	131 E.	Banda Sea.
10	14 29 47*	37 S.	75 W.	Near coast of Chile.
10	21 12 05*	15½ S.	174 W.	Samoa Islands region. Mag. 5½ (Berk).
11	00 34 48*	21 S.	64½ W.	Southern Bolivia. h about 300 km. Mag. 6¼.
11	11 49 29*	48½ N.	153½ E.	Kurile Islands.
11	15 14 07*	9 S.	152½ E.	D'Entrecasteaux Islands. Mag. 6½ - 6¾.
11	16 22 00*	43½ S.	75 W.	Off coast of Chile.
11	16 37 40*	9½ S.	152½ E.	D'Entrecasteaux Islands.
11	17 07 57*	9½ S.	152½ E.	do.
11	17 34 32*	38 S	73½ W.	Near coast of Chile.
11	18 21 30*	40 S.	74½ W.	Off coast of Chile.
11	20 55 13*	10 S	152 E.	D'Entrecasteaux Islands. h about 150 km.
11	21 48 48*	9½ S.	152 E.	D'Entrecasteaux Islands. h about 200 km.
12	00 02 55*	37 S.	75 W.	Off coast of Chile.
12	03 56 44*	22½ S.	179 E.	South of Fiji Islands.
12	04 57 22*	6 S.	128 E.	Banda Sea. h about 300 km.
12	06 58 12*	29½ S.	179 W.	Kermadec Islands. h about 250 km.
12	07 19 43*	36 S.	98 W.	South Pacific Ocean. Mag. 6¼.
12	07 38 59*	36½ S.	99½ W.	South Pacific Ocean.
12	15 05 01*	46 S.	74 W.	Near coast of Chile.
12	15 16 20*	22½ S.	172 E.	Loyalty Islands region.
12	21 04 31*	45½ S.	73 W.	Southern Chile.
12	22 50 02*	43½ S.	74½ W.	Near coast of Chile. h about 60 km.
12	23 10 00*	42½ N.	28½ E.	Black Sea.
13	00 32 05*	40½ S.	76 W.	Off coast of Chile.
13	03 19 39*	20½ S.	178½ W.	Fiji Islands region. h about 600 km.
13	05 47 05*	44½ S.	76½ W.	Off coast of southern Chile.
13	11 53 24*	5 S.	130½ E.	Banda Sea. h about 100 km.
13	12 38 45*	45 N.	111 W.	Hebgen Lake, Montana.
13	14 59 48*	45 N.	111 W.	Hebgen Lake, Montana. Felt at Butte, Ennis and Gallatin River Valley.
13	23 31 53*	42½ S.	74½ W.	Off coast of Chile.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
June	h m s	°	°	
14	02 54 13*	43 S.	73 W.	Near coast of southern Chile.
14	04 27 00*	44½ N.	149 E.	Kurile Islands.
14	11 45 45*	33 S.	67 W.	Argentina.
14	18 53 17*	0	120½ E.	Celebes. h about 100 km.
14	23 38 13*	9 S.	152½ E.	D'Entrecasteaux Islands.
15	08 09 13*	6½ S.	150 E.	South of New Britain.
15	09 40 38*	45 S.	76½ W.	Off coast of Chile.
15	11 18 09*	44 S.	74 W.	Near coast of Chile.
15	12 23 02*	19 N.	105 W.	Southwest coast of Mexico.
15	13 45 46*	12½ N.	142½ E.	About 250 km. southwest of Guam. h about 100 km.
15	15 36 51*	41 N.	142½ E.	Near north coast of Honshu, Japan.
15	22 49 39*	32 S.	177½ W.	Kermadec Islands.
15	22 50 47**			Solomon Islands.
15	23 27 40*	½ S.	133 E.	Western New Guinea.
15	23 32 35*	26 S.	178½ E.	South of Fiji Islands. h about 600 km. Mag. 6¼ - 6½.
16	03 04 34*	37½ S.	78½ E.	Indian Ocean.
16	03 24 42*	12 N.	143½ E.	Mariana Islands. h about 150 km.
16	04 02 46*	38 S.	73½ W.	Near coast of Chile.
16	06 37 48*	12½ N.	125 E.	Near coast of Samar, Philippine Islands.
16	09 05 07*	35 S.	179 E.	Off northeast coast of North Island, New Zealand.
16	09 55 28*	11½ N.	144 E.	Mariana Islands.
16	10 20 04*	2 S.	69 E.	Indian Ocean.
17	02 44 57*	17½ S.	178½ W.	Fiji Islands. h about 600 km.
17	05 02 34*	18 S.	178 W.	Fiji Islands. h about 600 km.
17	10 34 38*	11½ S.	117½ E.	South of Sumbawa Island. h about 60 km.
17	13 53 02*	40½ N.	142 E.	Near north coast of Honshu, Japan.
17	14 45 39*	27 S.	179 W.	Kermadec Island region. h about 350 km.
17	16 35 32*	52½ N.	173½ W.	Andreanof Islands, Aleutian Islands. Mag. 6 - 6¼.
17	17 16 16*	51½ N.	174½ W.	Andreanof Islands, Aleutian Islands.
17	18 00 29*	40 N.	143 E.	Off northeast coast of Honshu, Japan. h about 100 km.
17	18 05 16*	40 N.	143 E.	Off northeast coast of Honshu, Japan. h about 60 km.
17	20 36 04*	51 N.	176 W.	Andreanof Islands, Aleutian Islands.
17	21 49 17*	45 N.	111 W.	Hebgen Lake, Montana.
17	23 03 29*	10½ S.	108½ E.	South of Java. h about 150 km.
18	02 04 06*	33 N.	24½ E.	North of Libya. h about 150 km.
18	02 32 51*	30½ S.	177½ W.	Kermadec Islands region. h about 200 km.
18	03 19 04*	9½ S.	152½ E.	D'Entrecasteaux Islands.
18	22 40 44*	29 S.	176½ W.	Kermadec Islands region. h about 150 km.
18	23 32 33*	5½ S.	102 E.	Near coast of Sumatra. h about 60 km.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
June	h m s	°	°	
19	01 56 58*	44½ N.	148½ E.	Kurile Islands.
19	02 21 21*	11½ N.	93 E.	Andaman Islands.
19	02 29 30*	39 N.	38½ E.	North central Turkey.
19	09 43 38*	10 S.	161 E.	Solomon Islands.
19	12 21 53*	15 S.	178½ W.	Fiji Islands region. h about 500 km.
19	12 34 34*	44½ N.	149 E.	Kurile Islands.
19	17 17 25*	38 N.	142½ E.	Bonin Islands.
19	21 42 50*	36½ S.	76 W.	Off coast of Chile.
20	02 01 08*	38 S.	73½ W.	Near coast of Chile. Mag. 7.
20	03 21 49*	5½ S.	127½ E.	Banda Sea. h about 60 km.
20	12 05 09*	3 S.	129 E.	Ceram Island.
20	12 59 40*	39½ S.	73 W.	Chile. Mag. 6¾.
20	14 23 36*	41 S.	74½ W.	Near coast of southern Chile. h about 60 km.
20	16 56 25*	57 N.	154½ W.	Kodiak Island, Alaska.
20	16 59 35*	38½ S.	74 W.	Off coast of Chile.
20	17 46 48*	30 N.	130 E.	South of Kyushu, Japan.
20	22 56 49*	36½ N.	139½ E.	Honshu, Japan. Felt at Tokyo.
21	08 34 39*	4½ S.	105 W.	Pacific Ocean, southwest of Galapagos Islands.
21	12 43 31*	3 N.	126½ E.	Molucca Passage.
21	14 05 57*	2 S.	80½ W.	Near coast of Ecuador.
21	18 09 19*	19 S.	178 W.	Fiji Islands. h about 400 km.
21	21 33 45*	61 S.	21 W.	Sandwich Islands region.
22	02 27 28*	30½ S.	178 W.	Kermadec Islands.
22	02 58 24*	62 S.	156½ E.	Antarctic Ocean, northwest of Balleny Islands.
22	04 18 53**			New Britain region.
22	06 40 15*	39 S.	74½ W.	Near coast of Chile. h about 60 km.
22	08 11 52*	44½ S.	74½ W.	Near coast of southern Chile.
22	08 57 19*	36½ S.	72½ W.	Chile.
22	16 12 00*	12 N.	57½ E.	Arabian Sea.
22	20 13 18*	38½ S.	73½ W.	Near coast of Chile.
22	21 46 54*	38 S.	73 W.	do.
22	23 28 50*	52 N.	173 W.	Andreanof Islands, Aleutian Islands.
23	12 08 13*	7 S.	127½ E.	Timor Island region.
23	19 23 30*	47 N.	152½ E.	Kurile Islands. h about 150 km.
23	23 31 21*	53 N.	159½ E.	Near coast of Kamchatka. h about 60 km.
24	15 28 13*	21½ S.	170 E.	New Hebrides Islands region. h about 60 km.
24	17 55 37*	40 S.	73½ W.	Near coast of Chile. h about 60 km.
24	22 34 43*	30 S.	177½ W.	Kermadec Islands.
25	00 00 38*	8 S.	118 E.	Sumbawa Island region.

Date 1960	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth and Remarks
June	h m s	°	°	
25	02 02 35*	30½ S.	177 W.	Kermadec Islands.
25	12 21 30*	35 N.	23 E.	West of Crete.
25	13 53 37*	6½ N.	72½ W.	Colombia.
25	14 41 42*	30½ S.	177 W.	Kermadec Islands. Mag. 6½ - 6¾.
25	14 58 59*	30 S.	177 W.	Kermadec Islands.
25	19 35 27*	28 S.	68 W.	Catamarca Province, Argentina. h about 100 km.
25	19 55 46*	47 N.	94½ E.	Mongolia.
26	06 16 55*	44 S.	74½ W.	Near coast of Chile.
26	16 48 44*	26 S.	70½ E.	Indian Ocean.
27	00 15 56*	43½ S.	77 W.	Off coast of Chile.
27	16 50 24*	32½ S.	178 W.	Kermadec Islands.
27	17 33 56*	31½ S.	178 W.	do.
27	19 09 21*	18 S.	178½ W.	Fiji Islands. h about 600 km.
28	08 20 45*	22½ N.	144½ E.	South of Volcano Islands. h about 150 km.
28	15 30 21*	60 S.	18½ W.	Sandwich Islands region.
28	16 07 11**			Tonga Islands region.
28	21 03 06*	46 N.	94½ E.	Mongolia.
29	01 17 00*	38½ S.	73½ W.	Near coast of Chile.
29	01 57 16*	43 S.	74 W.	Near coast of Chile.
29	04 29 12*	30 S.	177½ W.	Kermadec Islands.
29	05 14 56*	30 N.	139 E.	South of Honshu, Japan. h about 500 km.
29	09 44 53*	36½ S.	98 W.	South Pacific Ocean
29	10 23 02*	47½ N.	27 W.	Atlantic Ocean.
29	17 07 00*	53 N.	168½ W.	Fox Islands, Aleutian Islands.
30	19 58 33*	60 N.	151 W.	Kenai Peninsula, Alaska.
30	23 56 23*	10 S.	119 E.	Soemba Island.

Date and Station		Phase (GCT)
June 1		h m s
EUR	eP	01 48 11
TUC	eP	01 47 26
TUC-T	eP	01 47 26
June 1		
EUR	eP	04 00 23
June 1		
EUR	eP	04 20 18
TUC	eP	04 19 40
June 1		
EUR	eP	04 54 45
June 1		
COL	iP	05 09 59
	i	10 08
	i(S)	10 53
	iL	10 58
EUR	eP	05 15 04
June 1		
BC	eP	05 15 26
BUT	eP	05 16 02
COL	eP'	05 21 43
COLU	eP	05 14 21
EUR	iP	05 15 43C
	ePKKP	33 37
HH	eP	05 16 14
	e(PKKP)	33 23
RC	iP	05 15 39
	i	16 25
SLC	eP	05 15 38
SJ	iP	05 12 37
TUC	e(P)	05 14 58
	e	15 03
TUC-T	eP	05 14 59
WASH	iP	05 14 49
June 1		
COL	iP	06 11 44
June 1		
EUR	iP	06 52 22
June 1		
COL	eP	07 56 28
	i	57 14
June 1		
EUR	eP	08 31 17
June 1		
EUR	eP	08 52 52

Date and Station		Phase (GCT)
June 1		h m s
EUR	eP	09 02 46
June 1		
TUC	e(P)	09 29 11
June 1		
RC	eP	09 47 28
June 1		
EUR	eP	11 15 55
TUC	eP	11 15 12
	epP	17 21
TUC-T	eP	11 15 14
	epP	17 21
June 1		
EUR	eP	12 05 33
June 1		
EUR	eP	12 11 44
June 1		
EUR	iP	12 23 34
	i	23 41
June 1		
EUR	iP	12 36 09
	i	36 17
TUC	eP	12 35 27
	e	35 35
TUC-T	eP	12 35 27
	e	35 35
June 1		
EUR	iP	13 11 30
	i	11 38
	i	11 44
TUC	eP	13 10 47
TUC-T	iP	13 10 46
June 1		
EUR	eP	14 08 46
June 1		
COL	eP'	14 25 41
EUR	iP	14 19 52
	i	20 00
TUC	iP	14 19 12
TUC-T	iP	14 19 11
June 1		
EUR	iP	15 09 59
	i	10 09
June 1		
EUR	iP	15 22 08
UKIAH	eP	15 20 55
	e	21 05
	eL	21 31

Date and Station		Phase (GCT)
June 1		h m s
EUR	e(P)	15 33 51
June 1		
HH	iP	15 51 19
June 1		
COL	iP	16 21 46
EUR	eP	16 22 03
June 1		
EUR	eP	16 53 33
June 1		
COL	eP	17 49 02
EUR	iP	17 52 43
June 1		
EUR	eP	20 07 19
June 1		
EUR	eP	20 39 19
June 1		
EUR	iP	20 47 51
June 1		
BC	eP	21 25 36
EUR	iP	21 25 51
	ipP	26 00
	iPP	29 25
HH	eP	21 26 30
TUC	iP	21 25 11
TUC-T	iP	21 25 10
June 1		
EUR	iP	21 36 10
June 1		
EUR	iP	23 04 11
June 1		
COLU	eP	23 35 05
	e	36 13
EUR	iP	23 37 14
HH	iP	23 37 59
	i(S)	47 27
TUC-T	eP	23 36 44
	e	46 14
June 2		
EUR	eP	00 55 50
June 2		
EUR	iP	01 31 57
June 1		
EUR	iP	01 53 42
June 2		
COL	e(P)	02 04 36

Date and Station		Phase (GCT)
June 2		h m s
EUR	eP	02 13 15
June 2		
EUR	eP	02 15 30
June 2		
EUR	iP	02 21 43
June 2		
EUR	iP	02 52 11
	i	52 20
TUC	eP	02 51 31
TUC-T	eP	02 51 31
June 2		
EUR	eP	04 38 53
June 2		
BOZ	eP	04 45 31
EUR	iP	04 47 11
HH	i(P)	04 46 31
	e	47 28
June 2		
EUR	iP	04 57 27
June 2		
EUR	iP	05 15 23
HH	eP	05 15 53
TUC	eP	05 14 40
	i	14 47
TUC-T	eP	05 14 40
	i	14 46
June 2		
BH	iP	06 07 40D
	iS	15 24
BC	iP	06 11 05D
BUT	eP	06 11 41C
	e	15 03
COLU	eP	06 10 14D
	ePP	13 20
	e	16 22
	eS	20 09
COL	iP'	06 17 03C
HH	eP	06 11 52C
	ePP	16 03
	ePKKP	28 32
SJ	iP	06 08 40D
TUC	iP	06 10 42D
	i	10 49
	iS	21 14
	ePS	22 08
	e(L)	38 20

Date and Station		Phase (GCT) h m s
TUC-T	iP	06 10 41D
	iPP	13 57
June 2		
EUR	eP	07 10 03
June 2		
COL	eP	07 19 44
June 2		
COL	iP	07 31 40
	ipP	32 13
EUR	iP	07 31 11
HH	iP	07 31 41
SLC	eP	07 31 28
	e	33 00
TUC	eP	07 31 10
	epP	31 42
TUC-T	eP	07 31 11
	ipP	31 44
June 2		
BOZ	iP	07 32 10
	iS	32 22
	iL	32 32
BUT	iP	07 32 23
	iS	32 44
	iL	32 58
HH	eP	07 32 58
	i	33 08
	iL	34 02
RC	e(P)	07 33 34
	e	33 46
	eL	34 46
June 2		
COL	eP	07 34 37
June 2		
BH	iP'	08 06 26
BC	eP	08 00 47
	ePP	04 38
BUT	eP	08 00 52
COL	iP	07 59 39
	iS	08 09 53
	eL	21 05
COLU	eP'	08 06 14
EUR	iP	08 00 42
	ePP	04 20
	eSKS	11 21
	eS	12 10
	ePS	13 10
	ePPS	14 00
	ePKKP	17 57
	e	32 50

Date and Station		Phase (GCT) h m s
GUAM	iP	07 51 54
	ipP	52 29
	eS	55 42
	iS	55 46
HONO	eP	07 56 58
	eS	08 04 50
	e	09 20
	eL	11 08
HH	iP	08 00 49
	ePP	04 29
	eP'P'	25 41
KIP	iP	07 56 58
RC	iP	08 01 24
	ePP	06 07
	e(PKKP)	17 05
SJ	eP'	08 06 41
	i	06 46
	i	07 38
	i(S)	09 49
	iPKS	10 43
SLC	eP	08 00 56
TUC	eP	08 01 02
	ePP	05 03
	eL	29 06
TUC-T	iP	08 01 03
	iPP	05 04
UKIAH	e(P)	08 00 20
WASH	iP'	08 06 16
	ePP	07 55
	eL	47 10
June 2		
COL	iP	08 25 39
EUR	iP	08 25 11
TUC	iP	08 25 12
TUC-T	iP	08 25 12
June 2		
BH	iP	08 45 02
BC	eP	08 48 46
BOZ	eP	08 49 20
BUT	iP	08 49 24
COL	eP'	08 55 00
COLU	eP	08 47 46
EUR	iP	08 49 04
HH	iP	08 49 35
SLC	eP	08 49 01

Date and Station		Phase (GCT) h m s
SJ	iP	08 46 06
	i	46 22
TUC	iP	08 48 22
TUC-T	iP	08 48 21
	i	48 33
	e	49 18
	e(PP)	51 21
WASH	iP	08 48 14
June 2		
RC	iP	09 04 02
June 2		
EUR	iP	09 41 53
June 2		
EUR	iP	09 45 24
TUC	eP	09 44 43
TUC-T	eP	09 44 43
June 2		
EUR	iP	10 54 55
TUC	eP	10 54 12
	e	54 22
TUC-T	eP	10 54 11
	e	54 22
June 2		
COL	eP	11 30 28
EUR	iP	11 32 22
GUAM	iP	11 19 52
	eS	20 17
June 2		
EUR	iP	11 56 41
TUC-T	e(P)	11 58 50
June 2		
EUR	iP	12 12 29
TUC	iP	12 12 26
TUC-T	iP	12 12 21
	i	12 25
June 2		
COL	iP	12 54 58
RC	eP	12 56 22
June 2		
EUR	eP	13 00 02
June 2		
EUR	iP	13 12 26
June 2		
EUR	iP	13 33 28

Date and Station		Phase (GCT) h m s
June 2		
BC	eP	13 43 30
EUR	iP	13 43 47
TUC	eP	13 43 06
TUC-T	iP	13 43 06
	i	43 14
June 2		
EUR	iP	15 52 43
June 2		
EUR	eP	15 59 33
June 2		
EUR	iP	16 56 51
	i	57 30
June 2		
EUR	iP	17 04 00
HH	iP	17 04 32
TUC	iP	17 03 16
TUC-T	iP	17 03 16
June 2		
EUR	iP	18 15 08
June 2		
COL	iP	18 19 21
COLU	eP	18 13 09
	eS	17 21
EUR	iP	18 17 01
HH	eP	18 17 05
SJ	eP	18 09 01
	iP	09 03
	iS	09 56
TUC	eP	18 16 23
TUC-T	eP	18 16 22
	i	16 31
June 2		
TUC-T	iP	18 21 44
	iL	22 03
June 2		
EUR	iP	18 25 39
HH	eP	18 26 10
TUC-T	eP	18 24 54
June 2		
BC	iP	19 10 35
COL	iP	19 11 01
	epP	13 03
EUR	iP	19 10 39

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Date and Station		Phase (GCT)
		h m s
HH	iP	19 11 08
	ePP	14 46
TUC	iP	19 10 40
TUC-T	iP	19 10 41
	ipP	12 47
UKIAH	eP	19 10 16
June 2		
EUR	iP	19 22 27
	i	22 37
June 2		
COL	eP	20 00 26
EUR	iP	20 00 04
HH	eP	20 00 31
June 2		
EUR	eP	20 30 44
June 2		
EUR	iP	20 46 23
June 2		
EUR	eP	20 55 18
June 2		
EUR	eP	21 18 51
June 2		
EUR	eP	21 25 48
June 2		
EUR	iP	21 43 44
HH	eP	21 44 47
June 2		
BC	eP	22 29 17
June 2		
COL	eP	23 32 29
June 3		
EUR	eP	00 25 51
June 3		
EUR	eP	03 29 11
June 3		
EUR	iP	03 35 20
TUC	eP	03 35 16
TUC-T	iP	03 35 16
	i	35 35
June 3		
EUR	eP	03 47 03
June 3		
EUR	eP	05 13 29
June 3		
EUR	eP	06 06 14

Date and Station		Phase (GCT)
June 3		h m s
COL	iP	07 50 42
EUR	iP	07 51 44
GUAM	iP	07 42 56
	i	43 03
	iS	47 02
HH	eP	07 51 51
KIP	eP	07 48 01
RC	eP	07 52 26
June 3		
EUR	iP	10 38 54
HH	iP	10 39 22
RC	eP	10 38 36
TUC-T	eP	10 38 04
June 3		
BOZ	eP	13 26 33
	epP	28 45
COL	iP	13 26 20
	ipP	28 31
EUR	iP	13 26 04
GUAM	iP	13 22 25
	iScP	26 40
HH	iP	13 26 30
	ePP	30 00
	iPKKP	44 14
	eP'P'	52 20
KIP	eP	13 22 02
RC	iP	13 26 54
	iPP	30 45
SLC	eP	13 26 20
	ePP	29 48
TUC	iP	13 26 06
	ipP	28 19
TUC-T	iP	13 26 06
	ipP	28 16
UKIAH	eP	13 25 38
June 3		
BOZ	eP	13 35 32
	epP	37 44
	ePP	39 09
COL	iP	13 35 18
	ipP	37 30
	eSKS	44 45

Date and Station		Phase (GCT)
		h m s
EUR	iP	13 35 02
	i	35 24
	ipP	37 13
	iPP	38 22
	ePKKP	53 25
	eP'P'	14 01 24
	eSKPP'	03 52
GUAM	iP	13 31 22
	iPcP	32 39
	ipP	33 12
	i	35 20
	iS	37 34
HONO	eP	13 30 59
HH	iP	13 35 29
	iPP	39 00
	eSKS	45 01
	iPKKP	53 12
	eP'P'	14 01 21
KIP	eP	13 31 01
	eScP	35 30
RC	iP	13 35 52
	i	39 44
	e	44 01
	e	53 01
SLC	eP	13 35 19
	ePP	38 48
	eSKS	44 48
SIT	eP	13 35 07
TUC	iP	13 35 04
	ipP	37 14
TUC-T	iP	13 35 05
	ipP	37 15
UKIAH	eP	13 34 36
June 3		
COL	eP	14 32 24
June 3		
EUR	eP	14 41 20
June 3		
BOZ	eP	16 29 21
	epP	29 40
COL	iP	16 26 16
	ipP	26 32
	iS	32 51
	eScS	36 12
	e	43 02
EUR	eP	16 29 28
	epP	29 48
HH	iP	16 29 01
	ipP	29 19
RC	eP	16 29 51

Date and Station		Phase (GCT)
		h m s
SLC	eP	16 29 26
SIT	e(P)	16 27 34
TUC	eP	16 30 28
TUC-T	eP	16 30 13
UKIAH	e(P)	16 29 12
	ipP	29 23
June 3		
BUT	eP	16 44 14
June 3		
COL	iP	17 21 37
June 3		
EUR	eP	17 59 31
June 3		
EUR	iP	18 30 38
HH	eP	18 31 09
TUC	iP	18 29 56
TUC-T	iP	18 29 56
June 3		
EUR	eP	19 03 23
June 3		
EUR	eP	19 13 30
RC	eP	19 14 36
June 3		
EUR	iP	20 08 42
June 3		
BOZ	eP	21 41 34
	eL	45 58
BUT	eP	21 41 34
	e	43 04
	eS	44 40
	eL	46 04
COL	eP	21 45 35
EUR	iP	21 40 05
HH	iP	21 42 04
	eL	47 16
RC	eP	21 41 44
	i	41 51
	e	42 42
	eL	46 21
SLC	eP	21 40 17
TUC	eP	21 38 53
	i	38 56

Date and Station		Phase (GCT) h m s
TUC	eP	21 38 51
	i	38 58
	i	39 05
June 3		
EUR	iP	22 01 49
HH	iP	22 02 20
TUC	eP	22 03 29
TUC-T	eP	22 03 27
	i	03 38
June 3		
RC	eP	22 06 23
	e	11 02
June 4		
COL	iP	01 18 30
HH	e(P)	01 17 42
THULE	e(P)	01 18 50
June 4		
BH	iP	02 32 44
BC	eP	02 31 25
	e	31 58
	e	37 03
	eL	37 33
BOZ	eP	02 32 44
	epP	33 03
BUT	iP	02 32 49
	eS	37 28
	e	41 48
COL	iP	02 36 25
	eS	43 57
	e	50 12
COLU	iP	02 32 33C
	eS	37 26
	eL	42 06
EUR	iP	02 32 02
	e	38 58
HH	iP	02 33 12
	e	42 45
RC	iP	02 32 25
	i	32 50
	e	40 05
SLC	eP	02 32 03
SJ	iP	02 34 10
	i	34 20

Date and Station		Phase (GCT) h m s
THULE	eP	02 37 09
TUC	iP	02 30 25
	iS	33 23
	eL	34 37
TUC-T	iP	02 30 25
	iS	33 23
	iL	34 22
UKIAH	eP	02 32 31
	iP	32 33
WASH	iP	02 33 20
	e	34 10
	ePcP	36 08
June 4		
EUR	eP	02 59 51
TUC	eP	02 58 34
	i	58 41
	eL	59 18
TUC-T	eP	02 58 36
	i	58 47
	iL	59 22
June 4		
BUT	eP	03 15 58
EUR	iP	03 15 39
HH	iP	03 16 10
RC	iP	03 15 36
TUC	iP	03 14 55
TUC-T	iP	03 14 55
June 4		
EUR	eP	03 20 46
June 4		
EUR	iP	03 38 47
	eS	42 21
HH	eP	03 41 29
RC	iP	03 38 38
TUC-T	eP	03 39 29
June 4		
EUR	iP	06 54 18
June 4		
EUR	e	07 27 48
TUC-T	eP	07 27 07
June 4		
EUR	eP	07 56 09
June 4		
EUR	e	07 59 30
RC	e(P)	07 59 29

Date and Station		Phase (GCT) h m s
June 4		
BC	eP	08 20 33
EUR	iP	08 20 26
HH	eP	08 19 46
RC	eP	08 19 13
	ePcP	20 21
SLC	eP	08 20 00
THULE	eP	08 17 26
TUC	eP	08 20 33
TUC-T	eP	08 20 28
June 4		
EUR	eP	08 24 36
HH	e(P)	08 23 56
RC	e(P)	08 23 24
June 4		
HH	iP	09 04 16
June 4		
EUR	iP	09 48 30
HH	eP	09 49 03
SLC	eP	09 48 18
TUC	iP	09 47 47
TUC-T	iP	09 47 47
	i	47 55
June 4		
BOZ	eP	10 26 43
BUT	eP	10 26 37
COL	iP	10 24 20
EUR	iP	10 26 41
GUAM	eP	10 16 53
HH	iP	10 26 29
RC	iP	10 27 11
SLC	eP	10 26 54
THULE	iP	10 26 12
TUC	eP	10 27 16
TUC-T	iP	10 27 16
June 4		
EUR	iP	10 36 23
TUC	eP	10 35 43
TUC-T	eP	10 35 42
	e	35 51

Date and Station		Phase (GCT) h m s
June 4		
BOZ	eP	11 15 07
BUT	eP	11 15 12
COL	eP	11 15 50
	e	15 59
EUR	iP	11 15 50
HH	eP	11 15 04
	i	15 15
RC	iP	11 14 38
SLC	eP	11 15 28
THULE	e(P)	11 12 46
	e	12 54
TUC	eP	11 15 56
	iP	15 58
TUC-T	iP	11 15 56
June 4		
EUR	iP	11 45 53
TUC-T	eP	11 45 12
June 4		
EUR	iP	12 05 03
June 4		
COL	eP	13 48 14
June 4		
BC	eP	16 02 17
EUR	e(P)	16 02 27
	e	04 33
TUC	eP	16 00 47
	eL	01 28
TUC-T	eP	16 00 46
	i	00 55
	iL	01 33
June 5		
EUR	iP	03 40 56
TUC	eP	03 40 17
June 5		
EUR	eP	05 10 20
June 5		
COL	eP'	05 49 00
HH	eP'	05 48 44
June 5		
EUR	eP	05 53 58
June 5		
BOZ	e(P)	07 48 41

Date and Station		Phase (GCT)
		h m s
BUT	eP	07 49 30
	e	50 15
	e(S)	52 12
COL	eP	07 53 38
EUR	iP	07 47 53
HH	eP	07 49 53
	eL	53 08
RC	eP	07 50 26
	eL	54 18
SLC	eP	07 48 43
	iP	49 04
TUC	eP	07 49 10
	eL	51 32
UKIAH	e(P)	07 48 10
	eP	48 15
	eL	49 03
June 5		
COL	eP	09 45 12
	i	45 49
COLU	eP	09 39 45
EUR	iP	09 41 23
	i	41 37
	e(PcP)	44 03
HH	eP	09 42 11
	i(PcP)	44 20
RC	e(P)	09 42 03
	e	48 50
TUC	iP	09 40 11
June 5		
EUR	eP	13 29 39
TUC	eP	13 28 26
June 5		
EUR	iP	16 23 46
	i	24 04
June 5		
EUR	iP	16 32 54
	i	33 04
June 5		
EUR	eP	16 57 01
	i	57 08
June 5		
COL	e(P)	19 44 30
EUR	iP	19 43 47
	i	43 56
June 5		
EUR	iP	20 40 49
	i	40 57

Date and Station		Phase (GCT)
		h m s
TUC	eP	20 40 07
June 5		
EUR	iP	21 21 37
TUC	eP	21 20 56
June 5		
COL	iP	21 49 02
EUR	eP	21 48 42
June 6		
BC	eP	01 20 04
	eS	22 47
BOZ	eP	01 20 29
	eS	22 45
	eL	23 58
BUT	eP	01 20 17
	eS	22 19
	eL	23 07
COL	iP	01 23 39
	iPcP	26 57
	iS	28 29
	iL	30 20
COLU	e(P)	01 24 43
	ePP	26 11
	eL	30 10
EUR	iP	01 19 30
	eP'P'	57 11
HONO	eP	01 24 40
	eS	30 04
HH	iP	01 20 22
	e(S)	22 36
	iL	23 13
RC	iP	01 21 36
	i	21 40
	eS	24 46
	eL	25 33
SLC	eP	01 20 12
	e	20 53
	eS	22 47
	eL	25 15
SJ	eP	01 27 20
	iP	27 23
	i	27 28
	i	27 51
	iPcP	28 31
SIT	iP	01 22 01
	e	22 28
THULE	iP	01 25 51
	ePP	27 27
	eS	31 42
TUC	iP	01 21 12
	eL	25 21

Date and Station		Phase (GCT)
		h m s
UKIAH	iP	01 18 22
	iS	18 41
	iL	18 43
WASH	iP	01 24 57
	e	26 17
	iPP	26 22
	ePcP	27 26
	eL	33 11
June 6		
EUR	iP	01 54 13
June 6		
EUR	eP	02 08 24
June 6		
EUR	eP	05 00 40
June 6		
BOZ	eP	06 09 20C
	ePP	13 15
BUT	eP	06 09 24C
	e	12 35
	eSKS	20 03
COL	eP'	06 14 40
	i	14 46
	i	17 52
	i	18 24
	iSKS	22 00
	e	25 54
COLU	eP	06 07 53D
	ePP	11 00
	eS	18 00
EUR	eP	06 09 00D
	iP	09 04C
	ePP	12 52
GUAM	eP'	06 15 07
	i	15 31
	ePP	17 46
HH	eP	06 09 35C
	e	13 01
	ePP	13 46
	e	14 58
	ePKKP	26 12
	i	27 02
	e	33 47
	e	34 07
RC	eP	06 09 04C
	eSS	25 36
	e	26 12
SLC	eP	06 09 04
	eS	20 07
SJ	iP	06 06 17D
	i	06 23
	i	07 30
	i	08 44
	iPPP	09 42
	i	15 16
	iP'P'	35 55
	e	55 38

Date and Station		Phase (GCT)
		h m s
THULE	eP'	06 14 37
	e	30 30
TUC	eP	06 08 21
	i	08 28
	i	10 43
	i	12 04
	iS	19 01
	e	32 27
	eP'P'	34 33
UKIAH	eP	06 09 22C
	i	10 17
	iPP	13 30
	ePS	21 38
	e	32 07
WASH	iP	06 08 18C
June 6		
BC	eP	06 57 57
COL	eP'	07 04 04
TUC	eP	06 57 42
June 6		
COL	e(P')	08 32 50
EUR	eP	08 27 10
TUC	eP	08 26 31
June 6		
EUR	eP	09 11 15
June 6		
HH	eP	09 52 41
June 6		
COL	e(P')	10 16 17
EUR	eP	10 10 37
HONO	e	10 09 46
	iP	10 36
	iPP	14 46
	iS	21 04
	i	23 25
	i	24 44
	i	34 06
	eL	38 30
TUC	iP	10 09 57
June 6		
EUR	eP	11 29 41
June 6		
EUR	eP	11 38 54
	i	39 03
June 6		
EUR	iP	12 05 26
	i	05 32
June 6		
COL	eP	14 18 23

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Date and Station		Phase	(GCT)
			h m s
EUR	iP		14 15 21
HH	eP		14 15 54
June 6			
EUR	iP		15 57 55
June 6			
EUR	iP		16 09 56
	i		10 03
June 6			
EUR	iP		16 38 03
June 6			
COL	eP'		17 34 34
EUR	eP		17 28 51
June 6			
HH	i(P)		19 26 41
June 6			
EUR	eP		21 10 30
June 6			
COL	iP		23 42 20
	epP		44 23
EUR	iP		23 41 59
	ipP		44 01
	iPP		45 28
HH	iP		23 42 27
SLC	eP		23 42 15
TUC	iP		23 41 58
TUC-T	iP		23 41 59
June 7			
EUR	eP		01 15 18
June 7			
EUR	eP		01 24 24
June 7			
EUR	iP		02 30 39
	i		30 49
TUC	eP		02 29 57
TUC-T	eP		02 29 57
	i		30 06
June 7			
COL	iP		03 10 04
June 7			
EUR	eP		03 21 49
June 7			
COL	eP'		03 53 55
COLU	eP		03 47 08
EUR	iP		03 48 13

Date and Station		Phase	(GCT)
			h m s
TUC	eP		03 47 35
TUC-T	iP		03 47 34
June 7			
EUR	iP		04 13 43
June 7			
COL	i(P)		04 38 19
COLU	eP		04 34 18
EUR	eP		04 38 38
June 7			
HH	eP		04 58 46
June 7			
BC	eP		05 35 18
BUT	e(P)		05 35 54
COL	eP'		05 41 27
EUR	iP		05 35 34
	i		35 44
HH	eP		05 36 06
RC	iP		05 35 33
SLC	eP		05 35 32
TUC	iP		05 34 54
TUC-T	iP		05 34 54
June 7			
EUR	iP'		05 44 45
HH	eP'		05 44 34
RC	eP'		05 45 00
TUC	eP'		05 45 06
TUC-T	iP'		05 45 06
June 7			
HH	eP		07 06 22
June 7			
COL	iP		07 12 33
	ipP		13 14
EUR	iP		07 12 05
	ipP		12 36
TUC-T	iP		07 12 04
June 7			
COL	iP		09 46 35
TUC-T	eP		09 49 28
June 7			
COL	iP		10 57 35

Date and Station		Phase	(GCT)
June 7			h m s
COL	eP'		11 14 11
	i		14 19
EUR	iP'		11 13 22
	e		14 55
	e		15 21
	i(PKKP)		23 28
HH	iP'		11 13 32
TUC	eP'		11 13 07
TUC-T	eP'		11 13 07
June 7			
COL	eP'		13 14 43
EUR	iP		13 08 45
	iPKKP		26 36
HH	iP		13 09 16
SJ	iP		13 05 52
TUC	iP		13 08 00
TUC-T	iP		13 08 00
June 7			
BC	iP		13 07 27
BOZ	eP		13 06 53
BUT	eP		13 06 45
	iPcP		07 45
	e		09 04
COL	iP		13 03 20
	i		03 50
	iPP		04 07
	eS		07 58
	eL		10 06
EUR	iP		13 07 06
	i		07 27
	i		07 40
	eS		14 53
RC	iP		13 07 30
	i		07 37
	iPcP		08 03
	eS		15 37
SLC	eP		13 07 15
June 7			
COL	iP		13 39 49
EUR	iP		13 39 26
	ipP		41 15
	e(pPPP)		47 34
June 7			
HH	iP		13 47 47
June 7			
EUR	iP		14 00 21
	i		00 28

Date and Station		Phase	(GCT)
June 7			h m s
BC	eP		14 15 05
BOZ	eP		14 15 37
COL	eP'		14 21 09
EUR	eP		14 15 20
TUC	eP		14 14 40
	i		14 43
TUC-T	iP		14 14 40
	i		14 48
June 7			
COL	e(P)		15 52 31
	e		52 39
EUR	eP		15 52 39
June 7			
EUR	iP'		15 53 56
	i		54 07
	ePP		55 51
HH	eP'		15 54 54
TUC-T	eP'		15 54 08
June 7			
HH	iP		16 11 46
June 7			
EUR	eP		18 51 05
June 7			
COL	eP		20 35 22
	e		35 51
EUR	eP		20 35 22
	e		35 51
June 7			
COL	iP		20 54 16
June 8			
EUR	iP		02 55 55
	iS		57 24
HH	eP		02 56 52
	e		59 54
TUC	eP		02 57 36
	i		57 45
TUC-T	eP		02 57 38
UKIAH	eP		02 54 47
	eL		55 00
June 8			
EUR	eP		03 03 57
June 8			
EUR	eP		03 53 21
June 8			
COL	eP		05 23 33

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Date and Station		Phase (GCT)
		h m s
EUR	eP'	05 29 57
June 8		
EUR	iP	06 14 53
	i	15 02
June 8		
EUR	iP	07 24 41
TUC	eP	06 23 58
TUC-T	iP	07 23 58
June 8		
COL	iP	08 43 15
HH	eP	08 43 23
June 8		
COL	eP	09 03 46
EUR	eP	09 06 18
June 8		
EUR	iP	09 44 04
	i	44 12
HH	eP	09 44 35
TUC	iP	09 43 21
TUC-T	iP	09 43 21
June 8		
COL	e(P)	09 50 03
	e	51 32
EUR	iP	09 51 19
TUC	eP	09 51 33
TUC-T	eP	09 51 33
June 8		
EUR	eP	10 56 34
RC	eP	10 56 42
	e	57 42
June 8		
EUR	iP	13 40 49
	i	40 56
	i	41 50
TUC	eP	13 40 07
TUC-T	eP	13 40 07
June 8		
EUR	eP	14 33 56
	iP	33 59
RC	eP	14 36 02

Date and Station		Phase (GCT)
June 8		h m s
BOZ	eP	16 14 35
June 8		
BUT	eP	16 29 42
COL	eP	16 30 46
	eS	39 39
COLU	eP	16 27 06
	ePcP	29 22
EUR	iP	16 30 13
	i	30 30
	iPcP	30 35
	i	31 32
	ePP	32 30
	eP'P'	59 24
HH	eP	16 29 41
RC	iP	16 29 01
SLC	eP	16 29 52
SJ	iP	16 26 19
THULE	eP	16 28 00
	iP	28 02
	ePPP	30 01
TUC	eP	16 30 10
June 8		
HH	e(P)	20 07 00
June 8		
COL	eP'	22 00 41
EUR	eP	21 54 56
RC	eP	21 56 08
	e	56 37
SJ	iP	21 51 46
June 9		
EUR	eP	01 16 08
TUC	eP	01 14 58
TUC-T	iP	01 14 57
June 9		
COL	iP	02 19 31
EUR	eP	02 16 47
June 9		
COL	eP	02 55 56
EUR	eP	02 57 57
HH	eP	02 57 07
June 9		
COL	iP	04 29 49

Date and Station		Phase (GCT)
		h m s
EUR	iP	04 32 43
	i	33 01
HH	iP	04 32 21
June 9		
HH	e(P)	05 01 08
June 9		
EUR	eP	05 06 06
HH	eP	05 05 03
June 9		
COL	e(P')	05 22 26
EUR	iP'	05 23 36
HH	iP'	05 23 30
	e(PP)	25 13
TUC	eP'	05 23 50
	ePKS	27 11
TUC-T	iP'	05 23 49
	iPKS	27 11
June 9		
EUR	iP	06 32 25
TUC	eP	06 31 44
TUC-T	eP	06 31 44
June 9		
COL	eP	08 35 44
EUR	eP	08 37 10
HH	iP	08 36 29
RC	eP	08 36 23
THULE	eP	08 33 04
June 9		
EUR	iP	08 56 41
	i	56 50
TUC	eP	08 56 07
TUC-T	eP	08 56 06
June 9		
EUR	iP	09 48 08
June 9		
EUR	iP	10 17 45
TUC	eP	10 17 01
TUC-T	eP	10 17 01
June 9		
EUR	eP	10 47 16
June 9		
EUR	iP	11 05 05

Date and Station		Phase (GCT)
		h m s
HH	iP	11 05 34
RC	eP	11 04 50
TUC	eP	11 04 15
TUC-T	eP	11 04 16
June 9		
BC	eP	11 21 25
BOZ	iP	11 19 20
	iS	19 40
	iL	20 08
BUT	iP	11 19 29
	iS	19 39
	iL	20 03
COL	i(P)	11 23 38
EUR	eP	11 20 46
HH	iP	11 20 06
	iL	21 06
RC	eP	11 20 43
	i	21 04
	eL	22 09
SLC	eP	11 20 14
	eS	21 19
TUC	e(P)	11 22 25
	e(S)	26 04
June 9		
BC	eP	11 37 00
COL	eP	11 36 52
	e(PP)	40 36
	eS	47 23
	e(PS)	48 45
	eL	12 03 49
EUR	iP	11 37 01
	e(SKPP')	12 05 36
HONO	eP	11 33 02
	e(S)	40 40
	eL	44 46
HH	e(P)	11 37 28
	e(P'P')	12 02 32
TUC	eP	11 37 08
	eL	12 01 27
TUC-T	iP	11 37 10
June 9		
EUR	eP	12 05 32
June 9		
EUR	iP	12 38 52
June 9		
EUR	eP	12 56 42

Date and Station		Phase (GCT) h m s
June 9		
COL	eP	15 21 42
June 9		
EUR	eP	16 56 56
	i	57 02
TUC-T	iP	16 56 21
June 9		
BC	eP	17 58 42
BOZ	eP	17 57 52
BUT	eP	17 58 01
COL	iP	17 58 41
	iS	18 07 41
	e(ScS)	09 27
COLU	eP	17 55 50
EUR	iP	17 58 36
	ePP	18 00 58
HH	iP	17 57 59
RC	iP	17 57 23
	ePcP	58 22
SJ	iP	17 55 16
THULE	iP	17 55 42
	i	55 52
TUC	iP	17 58 38
TUC-T	iP	17 58 37
June 9		
BC	eP	20 54 36
	eS	55 43
EUR	iP	20 55 20
	eS	56 34
	eL	56 40
TUC	eP	20 54 24
	i	54 36
	eL	55 49
TUC-T	iP	20 54 24
	i	54 35
June 9		
EUR	iP	21 06 32
TUC-T	eP	21 04 56
June 9		
RC	e(P)	22 40 10
June 9		
RC	eP	23 07 52
June 9		
RC	eP	23 39 33
June 10		
COL	e(P)	00 35 52

Date and Station		Phase (GCT) h m s
June 10		
COL	iP	01 06 18
June 10		
COL	eP	06 36 19
EUR	iP	06 40 20
HH	e(P)	06 39 38
TUC	eP	06 41 31
TUC-T	eP	06 41 30
June 10		
EUR	eP	06 43 12
June 10		
EUR	eP	07 28 20
June 10		
EUR	eP	09 15 22
TUC	eP	09 15 24
TUC-T	eP	09 15 24
June 10		
COL	iP	09 20 26
EUR	iP	09 19 57
HH	eP	09 20 28
TUC	eP	09 19 57
TUC-T	iP	09 19 57
	i	20 27
June 10		
EUR	e	10 07 57
June 10		
COL	eP	11 44 21
EUR	iP	11 44 23
TUC-T	eP	11 44 28
June 10		
COL	eP	12 12 19
EUR	e(P')	12 17 46
GUAM	iP	12 04 29
June 10		
COL	iP	13 48 23
June 10		
EUR	eP	14 26 40
RC	eP	14 27 25
	e	28 24
June 10		
EUR	eP	14 42 26
HH	eP	14 42 59

Date and Station		Phase (GCT) h m s
SJ	eP	14 39 21
TUC-T	iP	14 41 43
June 10		
EUR	eP	16 30 47
June 10		
COL	iP	16 52 46
June 10		
THULE	iP	17 55 42
	i	55 52
June 10		
EUR	iP	21 06 57
June 10		
BOZ	eP	21 24 36
BUT	eP	21 24 30
	eS	34 22
COL	iP	21 24 29
	iS	34 50
	e	38 44
	e(L)	48 18
EUR	iP	21 23 59
HONO	eP	21 19 41
	i(PP)	21 32
	eS	25 52
	eL	29 24
HH	eP	21 24 33
	ePP	27 45
KIP	iP	21 19 43
SLC	e(P)	21 24 13
TUC	eP	21 23 59
	eS	34 07
	eL	47 03
TUC-T	iP	21 23 59
	i	24 02
June 11		
EUR	eP	00 42 29
TUC-T	e(P)	00 41 50
	e	42 09
June 11		
BH	iP	00 41 01
	i	44 57
BC	eP	00 45 55
	epPP	49 45
	eS	55 04
BOZ	eP	00 46 23
	epP	47 23
	eS	55 55
	esS	57 55

Date and Station		Phase (GCT) h m s
BUT	eP	00 46 27
	epP	47 39
	eS	56 04
	esS	58 02
COL	iP	00 48 30
COLU	eP	00 44 07
	eS	51 16
EUR	iP	00 46 13
	i	46 50
	ipP	47 22
	iS	55 37
	eL	01 06 11
	eP'P'	13 14
	e	16 07
GUAM	iP'	00 54 05
	i	54 27
	epP'	55 21
HH	iP	00 46 39
	ipP	47 57
	eS	56 27
	e(PKKP)	01 05 10
	e	16 03
RC	iP	00 45 54
	epP	47 03
	iS	55 19
SLC	iP	00 46 04
SJ	iP	00 41 52
	ipP	42 55
	isPP	44 54
	iS	47 28
TUC	iP	00 45 25
	ePP	48 18
	eS	54 01
	e(SSS)	01 02 19
	eP'P'	13 39
TUC-T	iP	00 45 25
	ipP	46 31
	iS	54 06
	iP'P'	01 13 38
	e	14 50
UKIAH	iP	00 46 34
WASH	iP	00 44 33
June 11		
EUR	iP	02 00 11
June 11		
EUR	iP	04 10 18
TUC	eP	04 09 34

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Date and Station		Phase (GCT)
		h m s
TUC-T	eP	04 09 34
June 11		
EUR	eP	06 16 39
TUC	eP	06 15 59
TUC-T	eP	06 15 59
June 11		
SLC	e(P)	08 52 11
June 11		
COL	iP	08 59 05
June 11		
COL	iP	11 56 19
EUR	iP	11 59 53
HH	eP	11 59 21
RC	eP	12 00 19
TUC	eP	12 00 45
TUC-T	eP	12 00 45
June 11		
BC	eP	12 12 27
EUR	eP	12 13 08
TUC	eP	12 11 29
TUC-T	iP	12 11 30
June 11		
COL	iP	13 08 55
HH	i(P)	13 12 58
June 11		
EUR	e(P')	13 42 00
GUAM	iP	13 28 36
	i	28 47
June 11		
BH	iP'	15 33 19
BC	eP	15 27 47
	e	30 49
BOZ	eP	15 27 59
BUT	e(P)	15 27 59
	e	31 18
COL	iP	15 26 50
	ePP	30 12
	iS	37 19
	eSS	43 08
	eL	52 52
COLU	eP'	15 33 13

Date and Station		Phase (GCT)
		h m s
EUR	iP	15 27 44
	iPP	31 42
	eS	38 55
	ePKKP	44 29
	eP'P'	52 41
GUAM	iP	15 19 27
	ePP	20 05
	eS	23 38
HONO	eP	15 24 03
	iS	32 00
	eSS	36 00
	eL	38 00
HH	eP	15 27 54
	iPP	31 14
	ePKKP	44 10
	e	44 43
	eP'P'	52 31
KIP	iP	15 24 04
RC	eP	15 28 29
	ePP	32 54
SLC	eP	15 27 59
SJ	eP'	15 33 41
	i	34 28
	iPP	36 50
SIT	eP	15 27 07
TUC	e(P)	15 28 05
	ePP	32 03
	iSKS	38 48
	ePS	40 56
	eP'P'	52 31
	eL	59 38
TUC-T	eP	15 28 03
	i	28 20
	iPP	32 10
WASH	eP	15 33 13
June 11		
COL	eP	15 39 28
EUR	iP	15 40 21
June 11		
KIP	eP	16 02 34
June 11		
COL	e(P')	16 42 11
EUR	eP	16 35 01
TUC-T	eP	16 34 22
June 11		
BH	iP'	16 56 50
BC	eP	16 51 24
BOZ	eP	16 51 33

Date and Station		Phase (GCT)
		h m s
COL	iP	16 50 24
	iS	17 00 47
COLU	eP'	16 56 50
EUR	iP	16 51 16
	ePP	55 31
	e(PKKP)	17 06 27
	eP'P'	15 57
GUAM	iP	16 43 00
	iS	47 41
HH	eP	16 51 25
	ePP	54 45
	ePKKP	17 07 53
	eP'P'	16 10
RC	e(P)	16 52 35
	e	55 14
	e	56 29
SLC	eP	16 51 33
SJ	iP'	16 57 12
SIT	e(P)	16 50 36
	e	50 41
TUC	e(P)	16 51 46
	ePP	55 38
	eL	17 23 19
TUC-T	e(P)	16 51 35
June 11		
BC	eP	17 16 18
COL	e(P)	17 13 01
June 11		
COL	iP	17 20 36
EUR	iP	17 21 29
GUAM	iP	17 13 12
HH	eP	17 21 38
	ePP	25 01
June 11		
EUR	iP	17 47 15
HH	eP	17 47 45
RC	eP	17 47 18
TUC	eP	17 46 31
TUC-T	eP	17 46 30

Date and Station		Phase (GCT)
June 11		h m s
EUR	iP	18 34 18
	i	35 20
HH	i(P)	18 34 49
TUC-T	iP	18 33 35
	e	33 54
June 11		
RC	eP	18 54 00
June 11		
EUR	iP	21 07 23
June 11		
COL	iP	21 07 39
EUR	iP	21 08 33
June 11		
BC	iP	21 37 56
	iS	39 06
	eL	39 31
EUR	iP	21 38 45
TUC	eP	21 37 59
	iS	39 06
	iL	39 12
TUC-T	eP	21 38 00
	i	38 20
	e(S)	39 08
	iL	39 16
June 11		
COL	eP	22 01 12
EUR	iP	22 02 06
June 11		
COLU	eP	22 46 00
EUR	e	22 46 32
HH	e(P)	22 46 03
RC	e(P)	22 46 21
	eP	46 25
June 11		
EUR	eP	23 49 16
June 12		
EUR	iP	00 15 30
	i	15 38
TUC	eP	00 14 45
TUC-T	eP	00 14 45
	i	14 51
June 12		
COL	iP	04 08 46
	ipP	10 55
	eS	18 32

Date and Station		Phase (GCT)
		h m s
EUR	iP	04 08 28
	ipP	10 31
	i	10 40
	eS	18 09
GUAM	iP	04 04 42
	eS	11 05
HH	eP	04 08 55
	epP	11 00
	i(PP)	12 43
	eSKS	18 28
	ePKKP	26 06
SLC	eP	04 08 43
	epP	10 54
TUC	eP	04 08 26
	epP	10 32
	e(sSS)	27 18
	eP'P'	34 23
TUC-T	iP	04 08 28
June 12		
BC	e(P)	04 10 27
HH	iP	04 11 01
TUC-T	iP	04 10 32
June 12		
EUR	eP	04 34 24
June 12		
EUR	eP	04 36 58
June 12		
GUAM	iP	05 02 28
June 12		
EUR	e	07 05 30
June 12		
BC	eP	07 10 46
COL	eP	07 11 22
EUR	iP	07 10 52
	ipP	11 16
GUAM	iP	07 07 27
TUC	iP	07 10 49
	ePKKP	28 17
TUC-T	iP	07 10 49
June 12		
TUC-T	eP	07 18 27
June 12		
BH	iP	07 28 30
BOZ	eP	07 32 10
	e	32 47
BUT	eP	07 32 14

Date and Station		Phase (GCT)
		h m s
COL	ePP	07 39 03
	eSKS	44 50
	eS	46 12
	ePS	48 11
	eSS	54 00
	eL	08 05 06
COLU	eP	07 31 09
EUR	iP	07 31 41
	ePP	34 30
	eS	41 12
HH	eP	07 32 24
RC	eP	07 32 00
SLC	eP	07 31 47
SJ	iP	07 30 07
	i	31 04
TUC	eP	07 30 53
	e	33 07
	eScS	41 05
	eL	51 10
TUC-T	eP	07 30 52
	i	30 55
	i	31 02
	eP'P'	59 09
UKIAH	eP	07 31 51
	i	33 49
WASH	iP	07 31 46
	eL	53 00
June 12		
BC	eP	07 50 33
EUR	iP	07 50 54
HH	iP	07 51 39
RC	eP	07 51 10
SJ	eP	07 49 23
TUC	eP	07 50 05
	ePP	52 20
TUC-T	iP	07 50 06
	e	50 51
June 12		
HH	eP	09 19 21
	e	21 22
June 12		
EUR	eP	09 58 46
HH	eP	09 58 10
	iL	59 10
RC	eP	09 59 05
SLC	eP	09 58 17

Date and Station		Phase (GCT)
June 12		h m s
EUR	eP	11 00 46
TUC	eP	11 00 04
June 12		
EUR	iP	11 44 00
	i	44 08
TUC	eP	11 43 17
TUC-T	eP	11 43 17
	e	43 26
June 12		
EUR	e	12 19 20
GUAM	iP	12 06 51
	iS	07 07
June 12		
EUR	iP	12 29 30
June 12		
EUR	e	15 10 24
June 12		
BC	eP	15 18 02
EUR	iP	15 18 18
SJ	eP	15 15 38
TUC	eP	15 17 39
TUC-T	iP	15 17 38
	ePP	20 57
June 12		
COL	iP	15 24 00
June 12		
COL	eP	15 29 32
	e	30 00
EUR	iP	15 29 30
	ipP	29 58
TUC-T	eP	15 29 34
	e	30 11
June 12		
BOZ	eP	15 56 07
	e	16 00 06
HH	eP	15 56 07
	e	16 00 04
	e	03 18
RC	eP	16 00 20
	e	00 27
	e	03 35
June 12		
EUR	e	21 17 46
TUC-T	eP	21 17 07
June 12		
SLC	eP	22 27 00

Date and Station		Phase (GCT)
June 12		h m s
EUR	iP	23 03 02
TUC	eP	23 02 21
June 13		
EUR	iP	00 44 56
TUC	iP	00 44 14
TUC-T	eP	00 44 14
	e	44 47
June 13		
EUR	iP	02 13 33
June 13		
COL	iP	03 31 32
GUAM	iP	03 27 41
June 13		
BC	eP	05 59 57
COL	iP'	06 06 02
COLU	eP	05 59 09
EUR	iP	06 00 14
	iPKKP	17 37
HH	eP	06 00 46
	ePP	04 47
	ePKKP	17 44
RC	eP	06 00 15
SJ	iP	05 57 36
TUC	iP	05 59 34
WASH	iP	05 59 36
June 13		
RC	eP	08 00 09
June 13		
HH	eP	09 04 06
June 13		
COL	iP	10 44 56
	e	45 50
EUR	iP	10 48 32
	i	49 30
	i	49 44
June 13		
EUR	iP	12 06 46
TUC	eP	12 06 05
June 13		
SLC	eP	12 25 48
June 13		
BOZ	iP	12 39 00
	iS	39 18
	iL	39 34

Date and Station		Phase (GCT)
		h m s
BUT	eP	12 39 09
	iS	39 26
	iL	39 34
EUR	iP	12 40 23
	iS	40 38
	eL	40 43
HH	iP	12 39 44
	i	40 35
	iL	40 46
RC	eP	12 40 16
	e	40 37
	eL	41 50
SLC	eP	12 39 58
June 13		
EUR	iP	14 44 04
HH	eP	14 45 34
TUC	eP	14 42 32
June 13		
BC	eP	15 02 04
	e	04 38
BOZ	iP	15 00 00
	iS	00 08
	iL	00 38
BUT	iP	15 00 14
	iS	00 34
	iL	00 54
COL	iP	15 05 44
EUR	iP	15 01 26
HH	iP	15 00 50
	iS	01 32
	iL	01 51
RC	eP	15 01 12
	iS	01 30
	eL	02 37
SLC	eP	15 00 50
June 13		
TUC-T	eP	19 39 12
June 13		
HH	eP	20 03 05
TUC-T	eP	19 59 39
	i	20 00 04
	eL	01 26
June 13		
TUC	eP	21 17 01
June 13		
BUT	eP	23 45 15
TUC	eP	23 44 13

Date and Station		Phase (GCT)
		h m s
TUC-T	iP	23 44 13
June 14		
BC	e(P)	03 08 02
BOZ	eP	03 07 35
BUT	eP	03 07 39
COLU	eP	03 06 07
HH	eP	03 07 49
RC	eP	03 07 17
SJ	eP	03 04 30
TUC	iP	03 06 38
TUC-T	iP	03 06 38
June 14		
COL	eP	04 20 32
EUR	iP	04 23 55
HH	eP	04 23 26
June 14		
COL	eP	04 34 33
EUR	iP	04 37 52
HH	eP	04 37 28
RC	eP	04 38 22
	i	38 33
June 14		
COL	i(P)	05 44 07
EUR	iP	05 45 19
June 14		
COL	iP	06 59 50
EUR	eP	07 01 10
HH	i(P)	07 02 45
RC	eP	07 03 40
June 14		
EUR	eP	10 03 46
HH	eP	10 04 05
June 14		
COL	e(P)	11 14 28
EUR	iP	11 17 47
HH	e(P)	11 17 25
June 14		
BUT	eP	11 58 12
EUR	iP	11 57 31

Date and Station		Phase (GCT)
		h m s
HH	iP	11 58 22
TUC	iP	11 57 10
	i	57 51
TUC-T	iP	11 57 10
	i	57 51
June 14		
EUR	iP	13 35 18
	i	35 28
	i	35 35
June 14		
EUR	iP	16 19 24
June 14		
EUR	iP	17 33 49
	i	33 59
June 14		
COL	iP	18 23 18
June 14		
EUR	eP	19 30 38
	i	30 49
	eL	32 16
HH	eP	19 30 02
	iL	31 08
June 14		
GUAM	iP	22 00 29
	iS	01 04
June 14		
EUR	eP	23 34 26
June 14		
COL	iP	23 50 55
EUR	iP	23 51 46
	i	52 41
	ePKKP	00 09 03
GUAM	iP	23 43 30
	iS	47 59
June 15		
EUR	eP	00 24 10
June 15		
COL	eP	01 32 18
EUR	iP	01 35 55
June 15		
COL	e(P)	01 42 36
June 15		
EUR	e(P)	02 31 33
June 15		
SLC	eP	03 07 16
June 15		
COL	iP	04 33 24
EUR	eP	04 35 14

Date and Station		Phase (GCT)
June 15		h m s
EUR	eP	04 43 44
June 15		
COL	eP	04 41 20
EUR	iP	04 44 50
	ipP	45 24
June 15		
COL	eP	05 32 23
EUR	eP	05 34 14
	i	34 27
June 15		
EUR	eP	06 05 44
RC	e(P)	06 05 54
	eL	07 00
June 15		
EUR	eP	06 56 43
June 15		
BH	iP	07 27 32
EUR	eP	07 34 22
June 15		
EUR	eP	08 17 22
June 15		
COL	eP	08 21 57
EUR	iP	08 22 49
June 15		
BC	eP	08 24 22
EUR	iP	08 24 50
TUC	iP	08 23 34
	eS	30 30
TUC-T	iP	08 23 35
June 15		
EUR	iP	09 53 43
	i	53 55
TUC	eP	09 53 03
TUC-T	eP	09 53 03
June 15		
EUR	eP	10 22 22
June 15		
EUR	eP	11 31 13
RC	eP	11 31 12
TUC	eP	11 30 32
TUC-T	iP	11 30 33
	i	30 40

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Date and Station		Phase	(GCT) h m s
June 15			
COL		iP	12 12 31
EUR		iP	12 13 22
		i	13 32
June 15			
BC		eP	12 27 25
EUR		eP	12 28 01
HH		e(P)	12 29 11
RC		eP	12 28 33
TUC		eP	12 26 25
		eS	32 49
TUC-T		iP	12 26 25
June 15			
COL		iP	13 56 53
EUR		eP	13 58 42
		i	58 53
		i	59 09
GUAM		iP	13 46 21
		iS	46 53
June 15			
EUR		eP	14 58 59
June 15			
BC		eP	15 48 40
June 15			
BOZ		eP	15 48 20
BUT		eP	15 48 12
COL		iP	15 45 16
		iS	51 58
		eL	55 33
EUR		iP	15 48 23
		i	48 36
HH		iP	15 47 58
		i	48 09
		e(P'P')	16 16 03
RC		iP	15 48 48
SIT		eP	15 46 18
		e	46 27
THULE		iP	15 47 09
		i	47 23
		i	47 44
TUC		eP	15 49 06
TUC-T		iP	15 49 10
		i	49 22
UKIAH		eP	15 48 05

Date and Station		Phase	(GCT) h m s
June 15			
EUR		eP	15 59 18
June 15			
EUR		eP	16 57 37
		eL	17 01 18
TUC		iP	16 55 47
		iS	56 39
		iL	57 09
TUC-T		iP	16 55 47
		i	56 15
		i(S)	56 57
		iL	57 08
June 15			
COL		iP	19 53 42
June 15			
SLC		eP	22 28 02
June 15			
COL		e(P)	23 03 13
June 15			
BC		eP	23 02 43
COL		eP	23 03 24
EUR		iP	23 02 49
TUC		eP	23 02 44
TUC-T		iP	23 02 44
		e	06 34
June 15			
COL		iP	23 40 23
		eS	51 22
		eL	00 04 25
EUR		eP	23 42 00
GUAM		iP	23 31 58
		iS	35 36
SJ		eP'	23 47 40
WASH		i(P')	23 47 00
		i(PP)	50 26
		eL	00 34 33
June 15			
BC		eP	23 44 27
EUR		iP	23 44 33
		ePKKP	00 01 49
GUAM		eP	23 40 47
		i	41 16
HH		eP	23 44 37
		e	46 12
TUC		eP	23 44 27
TUC-T		iP	23 44 29

Date and Station		Phase	(GCT) h m s
June 16			
SLC		eP	01 48 32
June 16			
EUR		eP'	03 24 42
		i	25 51
HH		eP'	03 25 40
RC		e(P')	03 24 49
		e	26 13
TUC		e(P')	03 24 43
TUC-T		eP'	03 24 42
		i	24 48
June 16			
COL		iP	03 35 47
		ipP	36 18
EUR		iP	03 37 38
GUAM		iP	03 25 12
		iS	25 41
HH		eP	03 37 33
June 16			
EUR		eP	03 43 51
June 16			
EUR		iP	04 15 29
		i	15 35
TUC		eP	04 14 45
TUC-T		iP	04 14 44
June 16			
EUR		iP	04 47 15
TUC-T		eP	04 46 32
June 16			
COL		e(P)	06 50 14
EUR		eP	06 50 57
TUC-T		eP	06 50 16
		e	50 23
June 16			
EUR		eP	08 59 28
RC		e(P)	08 59 31
June 16			
EUR		eP	09 16 38
TUC		eP	09 16 32
TUC-T		eP	09 16 34
June 16			
EUR		eP	09 18 37
		i	18 44

Date and Station		Phase	(GCT) h m s
TUC		eP	09 18 31
June 16			
COL		iP	10 06 43
EUR		iP	10 08 32
GUAM		iP	09 56 11
		iS	56 43
June 16			
BC		eP'	10 39 47
EUR		eP'	10 39 33
HH		eP'	10 39 30
		e	41 53
RC		eP'	10 39 39
		e	42 11
TUC		eP'	10 39 53
TUC-T		iP'	10 39 57
		i	40 25
June 16			
EUR		eP	11 23 09
June 16			
BC		eP	11 54 15
EUR		iP	11 54 05
TUC		iP	11 54 27
TUC-T		iP	11 54 27
		i	55 21
June 16			
EUR		iP	12 00 38
June 16			
HH		eP	13 22 01
		iL	23 00
RC		eP	13 22 37
		eL	23 37
June 16			
EUR		eP	14 44 27
June 16			
COL		iP	16 20 26
June 16			
EUR		eP	16 29 50
		i	29 56
TUC-T		eP	16 29 07
		e	29 13
June 16			
EUR		eP	17 29 35
TUC-T		eP	17 30 03
		e	30 09

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Date and Station		Phase (GCT) h m s
June 16		
HH	eP	17 35 24
TUC-T	iP	17 33 23
	iL	33 42
June 16		
EUR	eP	23 53 10
June 17		
EUR	eP	00 32 41
TUC	e(P)	00 32 11
TUC-T	eP	00 32 08
June 17		
EUR	eP	02 03 50
June 17		
COL	eP	02 58 40
EUR	iP	02 56 17
GUAM	iP	02 52 42
TUC	iP	02 56 19
TUC-T	iP	02 56 20
	ipP	58 21
June 17		
COL	iP	05 14 17
	ipP	16 21
EUR	iP	05 13 56
RC	eP	05 14 47
SLC	eP	05 14 11
TUC	iP	05 13 57
TUC-T	iP	05 13 57
	epP	15 02
June 17		
COL	eP	05 22 30
EUR	iP	05 25 10
	i	25 21
RC	eP	05 25 30
TUC	eP	05 25 47
TUC-T	eP	05 25 46
	e	25 58
June 17		
BOZ	eP	05 48 26
	eL	48 55
EUR	eP	05 50 14
June 17		
COL	e(P)	10 38 13
EUR	eP	10 41 21
	i	41 36

Date and Station		Phase (GCT) h m s
June 17		
EUR	eP'	10 53 34
June 17		
COL	eP	11 03 21
June 17		
COL	iP	12 45 57
June 17		
COL	iP	14 01 29
EUR	eP	14 04 35
RC	eP	14 05 00
	i	05 14
TUC-T	eP	14 05 21
	e	05 33
June 17		
EUR	iP	14 42 19
June 17		
COL	i(P)	14 58 22
EUR	eP	14 57 54
TUC-T	iP	14 57 52
	e	58 18
June 17		
EUR	iP	16 30 42
June 17		
COL	eP	16 39 45
	i	39 54
June 17		
BC	eP	16 43 43
BOZ	eP	16 43 17
BUT	eP	16 43 07
	e	43 22
	eS	49 00
COL	eP	16 39 46
	i	39 55
	i(S)	43 25
	iL	45 06
COLU	eP	16 46 20
EUR	iP	16 43 11
	i	43 21
	e	17 14 58
GUAM	iP	16 44 33
	i	44 54
HH	eP	16 42 51
RC	iP	16 44 01
	ePP	45 41
SLC	eP	16 43 23
SJ	iP	16 48 17
	i	48 30

Date and Station		Phase (GCT) h m s
SIT	eP	16 40 34
	e	40 44
	eS	44 47
TUC	eP	16 44 21
	i	44 34
	ePP	46 23
TUC-T	iP	16 44 22
	i	44 35
	i(PP)	46 34
	eP'P'	17 15 03
June 17		
BC	eP	16 59 57
COL	eP	16 56 08
EUR	eP	16 59 31
	i	59 47
RC	eP	17 00 13
TUC-T	eP	17 00 35
	i	00 51
June 17		
BC	eP	17 24 36
COL	iP	17 20 39
COLU	eP	17 26 22
EUR	iP	17 24 07
	i	24 15
	i	24 22
RC	eP	17 24 49
June 17		
COL	iP	18 08 50
EUR	eP	18 11 46
RC	eP	18 12 10
June 17		
EUR	eP	18 14 30
June 17		
COL	eP	18 13 37
	i	13 47
EUR	eP	18 16 44
June 17		
COL	eP	18 43 26
June 17		
EUR	eP	19 07 53
June 17		
EUR	eP	20 15 18
	i	15 35
June 17		
COL	eP	20 40 39
EUR	eP	20 44 02

Date and Station		Phase (GCT) h m s
RC	eP	20 44 43
TUC-T	eP	20 44 03
	i	44 18
June 17		
COL	e(P)	20 44 15
June 17		
BOZ	iP	21 49 28
	iS	49 41
	eL	50 03
BUT	iP	21 49 42
	iS	50 12
	iL	50 21
EUR	eP	21 50 58
HH	e(P)	21 50 20
	i	50 29
	iL	51 21
RC	e(P)	21 50 42
	e	51 01
	eL	52 07
SLC	eP	21 50 19
June 18		
EUR	eP	00 59 22
RC	eP	00 59 49
SLC	eP	00 59 12
TUC	eP	00 57 45
	eL	01 02 42
TUC-T	iP	00 57 46
	i	57 55
June 18		
EUR	iP	01 47 15
June 18		
EUR	iP	02 30 33
June 18		
EUR	iP	02 45 33
TUC	eP	02 45 28
TUC-T	eP	02 45 28
June 18		
COL	iP	03 31 49
EUR	iP	03 32 42
	i	33 17
June 18		
COL	e(P)	08 36 26
EUR	eP	08 32 50
RC	eP	08 32 56
	eL	33 58

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

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

Date and Station		Phase	(GCT) h m s
TUC-T		eP	06 44 59
		i	45 05
June 21			
BOZ		eP	08 43 36
COL		eP	08 46 29
COLU		eP	08 42 55
		eS	49 30
EUR		iP	08 42 57
		i	43 08
HH		eP	08 43 59
RC		iP	08 43 25
TUC		eP	08 41 53
		eL	52 28
TUC-T		iP	08 41 53
June 21			
EUR		eP	09 04 15
COL		eP	09 00 36
June 21			
COL		eP	11 28 09
		i	29 15
June 21			
COL		eP	12 56 11
June 21			
EUR		eP	13 13 31
June 21			
EUR		eP	13 25 11
June 21			
COL		e(P)	13 50 09
June 21			
TUC-T		e(P)	13 59 52
		e	14 00 02
June 21			
EUR		iP	14 15 16
RC		eP	14 14 57
SJ		iP	14 11 17
TUC		eP	14 14 15
TUC-T		iP	14 14 15
June 21			
EUR		eP	15 28 30
		eL	29 57
HH		e(P)	15 27 39
		e	28 54
RC		eP	15 28 44
		e	30 04

Date and Station		Phase	(GCT) h m s
June 21			
COL		iP	18 21 26
		ipP	22 56
EUR		eP	18 21 03
TUC-T		iP	18 21 06
June 21			
BOZ		eP'	21 52 56
BUT		eP'	21 52 59
COL		eP'	21 53 38
		iP'	54 09
		i	54 21
EUR		iP'	21 52 52
		iPP	54 49
HH		eP'	21 53 02
RC		eP'	21 52 45
June 21			
COL		e(P)	23 57 41
June 22			
EUR		eP	01 49 40
June 22			
EUR		iP	02 40 26
		i	40 42
TUC		eP	02 40 22
		e	40 37
June 22			
EUR		e(P)	03 06 58
June 22			
COL		iP	04 31 25
EUR		iP	04 33 23
TUC		eP	04 32 43
June 22			
EUR		e(P)	05 20 18
HH		e(P)	05 19 54
		iL	20 46
RC		e(P)	05 19 48
		eL	21 27
SLC		eP	05 19 48
June 22			
EUR		iP	06 53 02
TUC		iP	06 52 20
		e	53 04
June 22			
BC		eP	08 24 46
COL		iP'	08 30 49

Date and Station		Phase	(GCT) h m s
EUR		e(P)	08 24 48
		iP	25 03
TUC		eP	08 24 23
June 22			
BUT		eP	09 10 19
EUR		e(P)	09 09 56
RC		eP	09 09 59
TUC		eP	09 09 15
June 22			
EUR		iP	09 49 22
June 22			
COL		eP	12 42 38
EUR		iP	12 41 57
RC		eP	12 42 55
TUC		eP	12 43 36
June 22			
EUR		eP	13 08 40
June 22			
EUR		eP	14 23 40
June 22			
EUR		iP'	16 31 12
		ipP'	31 31
		ePP	33 10
RC		eP'	16 32 25
THULE		iP	16 24 46
June 22			
EUR		iP	20 26 04
		i	26 11
RC		eP	20 26 00
TUC-T		eP	20 25 20
		i	25 27
June 22			
COL		eP	21 52 09
June 22			
EUR		iP	21 59 38
TUC-T		e(P)	21 58 55
		iP	59 01
June 22			
BOZ		eP	23 36 31
BUT		eP	23 36 21
COL		eP	23 33 08
		iP	33 11
		iS	36 45
		eL	39 07

Date and Station		Phase	(GCT) h m s
COLU		eP	23 39 34
EUR		iP	23 36 34
		i	36 48
		iPP	38 14
		eS	42 20
HH		iP	23 36 05
RC		iP	23 37 14
SIT		eP	23 33 54
TUC		eP	23 37 36
TUC-T		iP	23 37 36
June 23			
COL		eP	02 35 37
EUR		eP	02 35 16
June 23			
EUR		eP	05 09 47
June 23			
COL		eP	12 22 15
EUR		iP'	12 26 57
		ePKKP	37 35
TUC-T		eP'	12 27 07
June 23			
BC		eP	16 14 47
EUR		e(P)	16 16 04
		eL	17 31
TUC		iP	16 13 48
TUC-T		e(P)	16 13 38
		i	13 52
		iL	14 35
June 23			
COL		e	19 14 09
EUR		iP	19 13 01
June 23			
COL		iP	19 30 23
EUR		eP	19 33 48
		i	34 02
June 23			
EUR		eP	20 52 29
June 23			
COL		eP	23 36 54
EUR		e(P)	23 41 23
June 24			
BOZ		eP	01 31 48

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

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Date and Station		Phase	(GCT) h m s
June 26			
COL		eP	00 09 02
HH		eP	00 11 34
June 26			
RC		eP	04 38 13
		e	40 40
June 26			
COL		i(P)	05 16 30
June 26			
COL		iP'	06 35 49
TUC		iP	06 29 21
TUC-T		iP	06 29 21
		i	29 26
		e	30 21
June 26			
COL		iP	08 14 24
		i	14 49
RC		eP	08 18 23
		e	18 52
June 26			
TUC		e(P)	13 00 21
June 26			
COL		eP	14 58 58
June 26			
BOZ		eP'	17 08 50
COL		eP'	17 08 06
		e	10 37
HH		eP'	17 08 37
		e	12 51
RC		eP'	17 08 45
		i	09 30
TUC		eP'	17 08 55
TUC-T		iP'	17 08 55
June 26			
TUC-T		iP	17 14 17
June 26			
TUC-T		eP	18 18 49
		e	19 35
June 26			
COL		iP	22 52 35
June 27			
TUC-T		eP	00 28 16
June 26			
COL		iP	02 13 07
HH		eP	02 16 21
June 27			
TUC		eP	03 22 50
June 27			
RC		eP	06 21 09

Date and Station		Phase	(GCT) h m s
TUC		eP	06 20 21
TUC-T		eP	06 20 20
		e	20 54
June 27			
HH		eP	09 17 49
RC		eP	09 17 21
TUC		e(P)	09 15 54
TUC-T		e(P)	09 15 50
June 27			
HH		e(P)	16 45 18
June 27			
COL		e(P)	17 04 06
		e	04 34
TUC		eP	17 03 26
		e	04 20
		e	11 48
		e	12 02
		eL	35 14
TUC-T		eP	17 03 25
		iP	03 27
June 27			
TUC-T		eP	17 46 45
June 27			
TUC-T		eP	18 16 40
June 27			
TUC-T		iP	19 20 42
June 28			
COL		e(P)	01 15 37
June 28			
BUT		eP	01 31 23
June 28			
BUT		eP	08 32 59
COL		eP	08 30 42
GUAM		eP	08 22 55
HH		iP	08 32 48
RC		eP	08 33 41
TUC		eP	08 33 34
TUC-T		eP	08 33 35
June 28			
COL		eP	14 35 34
		i	35 44
HH		i(P)	14 34 22
June 28			
HH		eP	14 56 30
RC		eP	14 56 00
TUC		eP	14 52 58
		i	53 12
		iL	54 07

Date and Station		Phase	(GCT) h m s
TUC-T		iP	14 52 59
		i	53 14
		i(S)	54 06
		iL	54 10
June 28			
COL		iP'	15 50 42
HH		eP'	15 49 34
June 28			
COL		iP	16 19 40
TUC-T		iP	16 19 21
June 28			
COL		e(P)	18 25 17
		e	25 38
June 28			
COL		iP	21 13 05
HH		iP	21 15 28
June 29			
HH		eP	01 30 15
RC		eP	01 29 49
TUC		eP	01 29 02
		e	29 07
TUC-T		eP	01 29 07
June 29			
HH		iP	01 31 23
RC		e(P)	01 30 51
TUC		iP	01 30 10
TUC-T		iP	01 30 10
		i	30 19
June 29			
COL		eP	01 51 31
HH		iP	01 54 38
RC		eP	01 55 53
June 29			
BOZ		eP	02 10 35
BUT		eP	02 10 39
COL		eP'	02 16 09
COLU		eP	02 09 10
HH		eP	02 10 50
RC		eP	02 10 19
SLC		eP	02 10 19
SJ		iP	02 07 33
TUC		iP	02 09 38
		eL	36 45

Date and Station		Phase	(GCT) h m s
TUC-T		iP	02 09 38
		iPP	13 18
WASH		iP	02 09 34
		i	13 18
June 29			
COL		e(P)	04 29 27
June 29			
COL		eP	04 42 48
HH		eP	04 42 47
RC		eP	04 43 04
SLC		eP	04 42 31
TUC		iP	04 42 10
		eL	05 09 42
TUC-T		iP	04 42 11
		ePKKP	59 51
UKIAH		eP	04 41 55
June 29			
BOZ		eP	05 26 29
BUT		eP	05 26 23
COL		iP	05 23 55
GUAM		iP	05 18 34
HH		iP	05 26 13
SLC		eP	05 26 41
THULE		eP	05 25 36
TUC		eP	05 27 08
TUC-T		iP	05 27 08
June 29			
TUC-T		eP	09 17 06
June 29			
BOZ		eP	09 57 30
BUT		eP	09 57 20
COLU		eP	09 56 15
HH		iP	09 57 33
SLC		eP	09 56 41
TUC		eP	09 56 01

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Date and Station		Phase (GCT) h m s
TUC-T	iP	09 56 01
	i	56 21
	e	57 03
June 29		
BOZ	eP	10 32 35
BUT	eP	10 32 40
COL	eP	10 33 02
	i	33 09
COLU	eP	10 30 57
HH	iP	10 32 35
SLC	eP	10 32 59
THULE	eP	10 29 42
TUC	eP	10 33 31
	iP	33 33
TUC-T	iP	10 33 30
	i	33 36
WASH	iP	10 30 12
	eL	42 30
June 29		
HH	eP	11 16 11
TUC	eP	11 17 07
June 29		
COL	eP	15 40 49
June 29		
TUC-T	eP	16 27 34
June 29		
UKIAH	eP	16 52 03
June 29		
BOZ	eP	17 14 10
BUT	eP	17 14 01
COL	iP	17 10 45
	eS	13 57
	eL	15 10
COLU	eP	17 17 20
HH	iP	17 13 44
	iPcP	16 21
SJ	iP	17 19 20
TUC	eP	17 15 21
TUC-T	iP	17 15 21
	ePP	17 13
UKIAH	e(P)	17 13 42
	i	13 51
WASH	iP	17 17 11

Date and Station		Phase (GCT) h m s
June 29		
COL	iP	17 48 44
	i	48 58
June 30		
COL	iP	05 53 39
EUR	eP	05 54 35
June 30		
EUR	iP	06 08 29
TUC	eP	06 06 47
TUC-T	eP	06 06 48
June 30		
HH	eP	07 23 53
June 30		
EUR	eP	08 56 42
HH	eP	08 55 02
	iL	56 04
RC	e(P)	08 55 41
	eL	56 54
June 30		
EUR	eP	09 18 18
June 30		
EUR	eP	10 04 14
TUC	eP	10 03 17
June 30		
EUR	iP	11 59 45
TUC	eP	11 58 02
TUC-T	iP	11 58 02
June 30		
COL	iP	12 27 29
June 30		
EUR	e	13 39 38
June 30		
EUR	eP	15 36 38
June 30		
EUR	iP	15 53 36
TUC-T	eP	15 52 55
	e	53 03
June 30		
EUR	iP	16 41 51
June 30		
BC	eP	20 05 15
	epP	05 29
	ePcP	07 54
BOZ	eP	20 04 21
BUT	eP	20 04 13

Date and Station		Phase (GCT) h m s
COL	iP	19 59 49
	iS	20 00 48
	iL	01 04
COLU	eP	20 07 37
EUR	iP	20 04 46
	iPcP	07 47
	iL	11 23
	i	11 41
	i	11 50
HH	iP	20 03 51
	ipP	04 05
	iPcP	07 30
	eS	08 05
	eL	09 22
RC	iP	20 05 07
	ipP	05 21
SLC	eP	20 04 52
SIT	iP	20 00 41
	iL	02 13
TUC-T	iP	20 05 56
	ipP	06 10
UKIAH	eP	20 04 49
WASH	iP	20 07 23
June 30		
WASH	e(P)	20 23 56
	i	24 42
June 30		
EUR	eP'	24 15 26
WASH	iP'	24 16 15
ADDENDA		
June 2		
BOZ	eP	06 11 37D
EUR	iP	06 11 20D
	i	11 28
	iPP	15 06
	iPKKP	28 28
	iP'P'	36 38
RC	iP	06 11 20D
	e	12 40
	ePKKP	28 31
	e	29 09
SLC	eP	06 11 18D
	ePP	15 03
WASH	iP	06 10 40C
	e	13 54
	eS	21 13

Date and Station	Phase (GCT) h m s

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Date and Station	Phase (GCT)
	h m s
Local and Minor Earthquakes	
June	
BH	
1	18.7
3	03.5
8	21.8
13	17.5
29	11.7
BOZ	
6	14.6
	15.6
7	13.8
8	05.2
	09.1
	10.9
9	02.2
10	10.7
	20.0
12	10.0
13	13.7
	17.0
14	19.5
15	03.5
	06.1
16	13.3
18	04.4
	06.3
	08.5
	10.0
	14.1
	19.0
	19.1
19	00.0
20	05.5
	06.0
21	15.5
	17.8
	18.4
22	05.3
26	01.8
30	08.9
	09.0
BUT	
2	04.8
5	19.9
6	17.4
8	09.1
	10.9
12	10.0
	13.7
	13.8
13	16.6
	17.0
15	06.1
18	06.3
	10.0
	10.2
	19.0
	19.1
	23.4
20	05.5
	06.0
21	15.5
	18.5

Date and Station	Phase (GCT)
	h m s
BUT	
22	03.1
	05.3
23	21.3
26	00.7
30	08.9
	09.3
COL	
1	07.9
	18.7
2	11.5
3	13.7
7	03.2
	09.8
	20.5
9	00.4
	02.3
	05.0
10	01.1
	13.8
	16.9
	17.7
11	02.2
	13.2
12	16.8
13	06.8
14	06.6
15	18.5
	19.1
16	12.9
18	02.0
	20.8
19	13.7
	20.8
20	10.0
21	00.5
	14.5
25	13.9
27	10.8
30	00.9
	03.8
EUR	
5	10.5
	11.2
6	06.0
	15.2
7	18.6
8	07.5
	09.1
	10.9
9	04.9
	04.5
	08.9
	20.9
11	08.9
	21.6
21	06.3
23	09.3
25	13.8
SJ	
1	13.5
2	12.3
7	05.5
8	07.3
13	06.9

Date and Station	Phase (GCT)
	h m s
SJ	
15	02.6
17	18.1
21	17.1
25	03.3
26	04.4
SIT	
19	07.1
21	11.3
	14.3
	15.6
25	09.3
30	20.1
TUC	
1	07.0
	07.7
3	21.0
	22.3
	22.5
	22.6
	23.8
4	00.2
	06.1
	10.2
	14.0
	22.8
5	03.5
	19.7
	21.9
10	05.0
	11.5
12	15.4
18	19.8
21	06.3
23	04.0
	06.7
25	02.6
	02.7
	02.8
	03.7
	04.3
	05.1
	06.4
	10.2
	11.7
26	20.0
UKIAH	
8	14.6
10	17.2
22	00.8

Date and Station	Phase (GCT)
	h m s