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March, 1964

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COAST & GEODETIC SURVEY
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U. S. DEPARTMENT OF COMMERCE

John T. Connor, Secretary

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

Robert M. White, Acting Administrator

COAST AND GEODETIC SURVEY—WASHINGTON

James C. Tison Jr., Acting Director

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1964

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

Albuquerque, New Mexico (ALQ) WWNSS
**Balboa Heights, C. Z. (BHP) WWNSS
The Panama Canal Co.
*Boulder City, Nev. (BCN)
Bureau of Reclamation
*Bozeman, Mont. (BOZ) WWNSS
*Bozeman, Mont. (BZM)
Montana State College
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHK)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL) WWNSS
*Columbia, S. C. (CSC)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
*Flaming Gorge, Utah (FGU)
Bureau of Reclamation
*Glen Canyon, Ariz. (GCA)
Bureau of Reclamation
Guam, M. I. (GUA) WWNSS
Honolulu, Hawaii (HON)
*Hungry Horse, Mont. (HHM)
Bureau of Reclamation
Kipapa, Hawaii (KIP) WWNSS
**Philadelphia, Pa. (PHI)
The Franklin Institute
**Rapid City, S. D. (RCD) WWNSS
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJP)
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC) WWNSS
Ukiah, Calif. (UKI)
International Latitude Observatory
Washington, D. C. (WAS)

*Indicates a station maintained by a local institution in cooperation with the Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the Coast and Geodetic Survey.
WWNSS indicates the observatories are part of the World-Wide Network of Standard Seismographs.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights. Beginning January 1, 1959, the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States. The horizontal instruments will continue in operation and the seismograms for the local and regional earthquakes will be scaled and the data published.

All magnitudes are m_b values of Gutenberg and Richter determined by the C&GS from the P phase only unless otherwise noted. The magnitude quoted is an average value determined from data forwarded by cooperating Standard Stations and other observatories. Mag. (PAS), (PAL), (BRK) are as reported by Pasadena, Palisades and Berkeley respectively.

All coordinates of epicenters, origin times and focal depths have been calculated with the use of an electronic computer. The epicenters quoted in this bulletin are those previously reported on the Preliminary Determination of Epicenter cards with some refinement and minor additions.

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

U. S. Department of Commerce
Coast and Geodetic Survey
Seismology Division
Washington Science Center
Rockville, Maryland 20852

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
1	02 40 21.6	7.1 S	155.4 E	100	4.8	SOLOMON ISLANDS. FELT AT BUIN.
1	04 05 39.9	45.9 N	142.1 E	275	4.3	HOKKAIDO, JAPAN REGION.
1	08 02 03.8	18.8 N	120.6 E	50	4.8	LUZON, PHILIPPINE ISLANDS.
1	09 00 02.3	21.2 S	65.7 W	90	4.2	SOUTHERN BOLIVIA.
1	11 22 22.9	45.3 N	150.6 E	33	4.4	KURILE ISLANDS.
1	12 54 37.3	7.8 N	122.5 E	31	6.2	MINDANAO, PHILIPPINE ISLANDS.
2	07 29 23.4	39.6 N	111.9 W	33	3.9	UTAH.
2	10 55 44.2	17.8 N	67.1 W	33	3.6	MONA PASSAGE.
2	11 57 17*	23.5 S	116.6 W	33	4.7	EASTER ISLAND CORDILLERA.
2	12 39 17.6	13.9 N	91.1 W	130	4.6	NEAR COAST OF GUATEMALA.
2	16 09 46.1	12.5 N	88.0 W	63	4.4	OFF COAST OF CENTRAL AMERICA.
2	16 16 10.7	55.4 N	166.6 E	33	4.5	KOMANDORSKY ISLANDS REGION.
2	17 19 58.4	1.7 S	77.5 W	82	4.6	ECUADOR.
2	18 13 58.5	13.5 N	90.5 W	73	3.6	NEAR COAST OF GUATEMALA. FELT AT SAN SALVADOR, EL SALVADOR.
2	18 39 12.2	41.1 N	142.6 E	29	4.8	HOKKAIDO, JAPAN REGION.
2	19 32 41.7	18.9 S	174.8 W	105	5.3	TONGA ISLANDS. MAG. 5-5 1/4 (BRK).
3	01 24 17.0	18.8 S	177.7 W	552	4.0	FIJI ISLANDS REGION.
3	03 56 56.1	33.1 S	179.9 W	128		SOUTH OF KERMADEC ISLANDS.
3	07 04 15.2	43.8 N	128.4 W	33	4.3	OFF COAST OF OREGON.
3	09 00 41.3	42.4 N	142.2 E	33	4.2	HOKKAIDO, JAPAN REGION.
3	15 12 14.9	30.4 S	177.9 W	33	4.3	KERMADEC ISLANDS REGION.
3	17 03 55*	45.3 N	153.7 E	33	4.5	KURILE ISLANDS REGION.
3	17 20 55.5	6.0 S	154.6 E	422	4.8	SOLOMON ISLANDS.
3	18 53 59.8	14.8 S	167.2 E	129		NEW HEBRIDES ISLANDS.
3	19 37 06.7	37.3 N	140.9 E	80	4.4	HONSHU, JAPAN.
3	19 50 13*	37.3 N	76.9 E	256		SOUTHERN SINKIANG PROV., CHINA.
3	20 02 33.1	40.3 N	125.1 W	33	4.8	OFF COAST OF NORTHERN CALIFORNIA.
3	21 39 31.0	4.8 N	125.5 E	77	4.9	TALAUD ISLANDS.
4	00 48 09*	44.1 N	30.4 W	33	4.2	NORTH ATLANTIC RIDGE.
4	01 17 26*	43.9 N	29.7 W	33	4.5	NORTH ATLANTIC RIDGE.
4	02 22 31.5	71.3 N	5.7 W	33	3.8	JAN MAYEN ISLAND REGION.
4	02 58 29.2	43.6 N	28.9 W	33	4.5	NORTH ATLANTIC RIDGE.
4	03 17 22.7	20.9 S	168.6 E	33	4.6	LOYALTY ISLANDS.
4	04 06 27.6	7.1 S	129.5 E	120	5.3	BANDA SEA.
4	05 03 38.1	53.8 N	167.9 W	33	4.3	FOX ISLANDS, ALEUTIAN ISLANDS.
4	06 08 58.6	33.8 S	179.6 W	47		SOUTH OF KERMADEC ISLANDS.
4	07 17 41.2	4.2 N	123.1 E	588	5.0	CELEBES SEA.
4	12 59 10*	42.5 N	29.0 W	33	4.2	AZORES ISLANDS REGION.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
4	13 11 16*	25.8 N	110.5 W	33	3.9	GULF OF CALIFORNIA.
4	15 24 07.6	6.3 S	130.2 E	171	5.7	BANDA SEA.
4	16 16 30.9	43.6 N	29.3 W	33	4.8	NORTH ATLANTIC RIDGE.
4	17 02 59.8	10.9 S	164.5 E	33	4.7	SANTA CRUZ ISLANDS REGION.
4	17 33 43.3	43.3 N	46.1 E	58	4.5	EASTERN CAUCASUS.
4	21 31 49*	34.8 N	23.9 E	40	4.2	CRETE.
4	22 34 06.3	6.8 S	129.8 E	108	5.2	BANDA SEA.
4	23 34 22.5	19.3 S	175.6 W	222	4.0	TONGA ISLANDS.
4	23 53 19.4	11.8 N	125.6 E	91	5.7	SAMAR, PHILIPPINE ISLANDS. FELT AT CATBALOGAN AND BORONGAN.
5	00 01 19.6	11.5 N	126.0 E	40	4.7	PHILIPPINE ISLANDS REGION.
5	02 23 49.9	50.6 N	156.5 E	60	4.7	KURILE ISLANDS.
5	03 42 34.7	18.9 S	169.4 E	249	4.6	NEW HEBRIDES ISLANDS.
5	06 00 41.3	45.2 S	96.4 E	40	5.5	SOUTHEAST INDIAN RISE.
5	07 42 42.8	35.9 N	140.4 E	85	4.2	NEAR EAST COAST OF HONSHU, JAPAN. FELT AT TOKYO.
5	10 01 41.5	11.3 S	162.4 E	33	4.6	SOLOMON ISLANDS.
5	10 05 37.2	11.2 S	162.2 E	38	5.1	SOLOMON ISLANDS.
5	11 42 21.8	40.3 N	127.7 W	33	4.3	OFF COAST OF NORTHERN CALIFORNIA. MAG. 4 1/4-4 1/2 (BRK).
5	12 40 52.9	39.2 N	114.2 W	33	3.4	NEVADA.
5	14 30 18*	12.1 N	88.1 W	53	4.3	OFF COAST OF CENTRAL AMERICA.
5	20 31 57.4	16.4 S	173.0 W	33	4.7	TONGA ISLANDS.
5	22 27 22.7	52.8 N	170.0 W	33	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
6	02 36 36.3	41.1 N	142.5 E	34	4.8	HOKKAIDO, JAPAN REGION.
6	02 55 12*	12.4 N	87.6 W	100	3.9	NEAR COAST OF NICARAGUA.
6	12 54 35.9	4.2 S	134.6 E	33	4.9	WEST NEW GUINEA REGION.
6	18 57 16.1	6.1 S	154.4 E	74	5.8	SOLOMON ISLANDS. MAG. 6 3/4-7 1/4 (BRK), 6 (PAL). FELT AT RABAUL, NEW BRITAIN.
6	20 42 55.8	19.5 S	174.5 E	56	4.6	NEW HEBRIDES ISLANDS REGION.
6	21 05 50.2	19.7 S	70.5 W	50	5.3	NEAR COAST OF NORTHERN CHILE.
6	23 51 28.5	22.9 S	173.1 E	54	4.6	LOYALTY ISLANDS REGION.
7	01 46 21.1	21.4 S	179.3 W	593	4.1	FIJI ISLANDS REGION.
7	03 34 25.2	20.2 S	177.8 W	481	4.2	FIJI ISLANDS REGION.
7	04 51 05*	18.6 S	70.4 W	112	4.5	NEAR COAST OF NORTHERN CHILE.
7	07 25 03.9	3.5 N	97.1 E	82	5.3	NORTHERN SUMATRA.
7	07 44 08.1	71.7 N	1.4 W	33	4.5	JAN MAYEN ISLAND REGION.
7	09 58 57.1	70.8 N	2.4 E	33		NORWEGIAN SEA.
7	11 01 12.1	4.1 S	130.3 E	33	4.2	BANDA SEA.
7	13 09 17*	26.1 N	125.5 E	161	3.8	NORTHEAST OF TAIWAN.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
7	21 06 06.9	5.6 S	152.7 E	62	4.8	NEW BRITAIN REGION. FELT AT RABAUL.
7	23 06 27.7	61.6 N	151.4 W	72	4.4	SOUTHERN ALASKA.
7	23 13 25.4	19.9 S	177.9 W	534	4.5	FIJI ISLANDS REGION.
8	01 35 48.1	44.0 S	168.4 E	33	5.6	SOUTH ISLAND, NEW ZEALAND.
8	04 55 28.1	60.4 N	153.3 W	158	4.2	SOUTHERN ALASKA.
8	06 26 11.7	22.3 S	67.1 W	302	3.9	CHILE-BOLIVIA BORDER REGION.
8	10 37 20*	6.7 S	125.9 E	540		BANDA SEA.
8	16 25 27*	26.7 S	112.0 W	33	4.6	EASTER ISLAND REGION.
8	17 20 04.2	51.7 N	178.0 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
8	17 39 35*	4.7 S	152.7 E	83	4.4	NEW BRITAIN REGION.
8	17 44 02*	10.9 S	161.8 E	100	4.7	SOLOMON ISLANDS.
8	17 51 06.5	4.6 S	152.6 E	69	4.7	NEW BRITAIN REGION. FELT AT RABAUL.
8	19 12 44.3	21.0 N	105.5 W	33	4.1	NEAR COAST OF CENTRAL MEXICO.
8	19 44 36.0	21.3 N	105.2 W	33	4.0	NEAR COAST OF CENTRAL MEXICO.
8	23 05 04.6	5.1 S	151.3 E	156	4.7	NEW BRITAIN REGION.
9	02 06 30.8	37.6 N	118.4 W	16	3.9	CALIFORNIA-NEVADA BORDER REGION. MAG. 3 1/2-3 3/4 (BRK). FELT AT BISHOP, CALIFORNIA.
9	09 48 49.8	4.8 N	32.8 W	33	4.8	CENTRAL MID-ATLANTIC RIDGE.
9	10 27 33.1	36.2 N	71.5 E	132	4.8	AFGHANISTAN-USSR BORDER REGION.
9	12 11 31*	22.0 S	179.1 W	492		SOUTH OF FIJI ISLANDS.
9	14 53 26.3	61.4 N	146.6 W	33	3.9	SOUTHERN ALASKA.
9	19 41 01.3	36.5 N	70.9 E	181		HINDU KUSH REGION.
9	20 49 55.8	35.3 N	118.7 W	16	4.3	CENTRAL CALIFORNIA. MAG. 3 1/2-3 3/4 (BRK). FELT AT MIRACLE HOT SPRINGS.
10	07 02 08*	6.3 S	104.4 E	62	5.2	SUNDA STRAIT.
10	09 04 13.6	19.2 N	108.6 W	33	4.3	REVILLA GIGEDO ISLANDS REGION.
10	11 26 57.4	25.0 S	69.2 W	46	4.4	NORTHERN CHILE.
10	12 38 11.7	8.1 S	117.8 E	33		SUMBAWA ISLAND REGION.
10	13 59 54.8	1.9 N	127.5 E	117	5.6	HALMAHERA.
10	20 11 32.8	17.9 S	168.2 E	31	3.9	NEW HEBRIDES ISLANDS.
10	21 46 37*	6.9 S	125.6 E	514	5.2	BANDA SEA.
10	22 48 53.7	18.2 S	70.6 W	132	4.4	NEAR COAST OF NORTHERN CHILE.
10	23 10 24.4	6.8 S	129.4 E	141	5.1	BANDA SEA.
11	00 09 02.7	42.5 N	45.0 E	29	4.6	EASTERN CAUCASUS.
11	01 06 00.4	1.8 N	127.1 E	58	5.6	HALMAHERA.
11	04 39 32*	36.7 N	33.4 W	33	4.3	AZORES ISLANDS REGION.
11	04 59 46*	54.7 N	169.9 W	33	4.2	FOX ISLANDS, ALEUTIAN ISLANDS.
11	05 50 51.9	38.2 S	74.3 W	33	4.7	OFF COAST OF CENTRAL CHILE.
11	06 41 08*	57.9 N	158.6 W	127	4.4	ALASKA PENINSULA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
11	07 19 29*	2.5 S	76.6 W	162	3.9	PERU-ECUADOR BORDER REGION.
11	18 23 19.6	31.9 N	132.4 E	33	4.7	SOUTHEAST OF SHIKOKU, JAPAN.
11	19 19 06.2	46.9 N	8.5 E	33		SWITZERLAND. FELT AT SARNEN AND KERNS.
11	23 34 21*	27.7 N	57.5 E	42	4.6	SOUTHERN IRAN.
12	03 55 14.0	23.4 N	121.6 E	33	5.2	TAIWAN. FELT IN NORTH AND CENTRAL TAIWAN.
12	04 30 21.1	22.9 S	179.2 W	378	4.6	SOUTH OF FIJI ISLANDS.
12	05 39 03*	5.2 N	127.5 E	33		PHILIPPINE ISLANDS REGION.
12	10 37 04.3	21.9 S	179.5 W	561	4.1	FIJI ISLANDS REGION.
12	16 12 15.5	18.2 S	167.4 E	33	4.3	NEW HEBRIDES ISLANDS.
12	18 35 18*	20.1 N	109.0 W	33	3.9	REVILLA GIGEDO ISLANDS REGION.
12	19 32 20.2	36.4 N	140.4 E	85	4.3	NEAR EAST COAST OF HONSHU, JAPAN.
12	22 32 56.7	13.5 N	122.9 E	33	5.3	LUZON, PHILIPPINE ISLANDS.
12	22 56 22.0	5.6 S	153.0 E	40		NEW IRELAND REGION.
13	01 20 18*	33.2 N	83.4 W	40	4.4	GEORGIA. FELT IN FIVE COUNTIES.
13	03 46 59*	25.5 N	142.5 E	33	4.7	VOLCANO ISLANDS REGION.
13	04 26 23.5	4.1 S	105.1 W	33	4.6	NORTHERN EASTER I. CORDILLERA.
13	05 51 31.2	52.1 N	170.0 W	33	4.6	FOX ISLANDS, ALEUTIAN ISLANDS.
13	06 19 02.5	17.7 S	178.7 W	522	4.6	FIJI ISLANDS REGION.
13	08 13 51.6	8.9 N	69.8 W	33	4.1	VENEZUELA.
13	08 38 32*	24.0 S	179.0 E	512	4.5	SOUTH OF FIJI ISLANDS.
13	11 54 06.1	12.9 N	90.4 W	128	4.9	OFF COAST OF CENTRAL AMERICA.
13	12 57 26.0	37.1 S	74.9 W	54	4.6	OFF COAST OF CENTRAL CHILE.
13	13 35 33.3	7.0 S	155.5 E	95	4.5	SOLOMON ISLANDS. FELT AT BUIN.
13	16 02 00.1					37° 03' 01.7"N. 116° 00' 41.3"W. NEVADA TEST SITE. "PIKE" SHOT ELEVATION 1121.1 METERS.
13	18 51 15.0	13.7 N	90.7 W	64	4.4	NEAR COAST OF GUATEMALA.
13	21 08 12.1	14.5 N	90.9 W	33	4.8	GUATEMALA.
14	02 14 02.0	7.8 S	75.4 W	33	4.2	NORTHERN PERU.
14	02 37 24.6	47.1 N	8.3 E	33	4.7	SWITZERLAND. SLIGHT DAMAGE IN CENTRAL SWITZERLAND. FELT IN GERMANY, AUSTRIA, ITALY, AND FRANCE.
14	02 51 04.1	18.7 N	145.6 E	136	5.0	MARIANA ISLANDS.
14	06 51 58.6	6.2 N	92.1 E	33	4.7	NICOBAR ISLANDS REGION.
14	11 25 13.3	51.5 N	170.1 W	33	4.2	FOX ISLANDS, ALEUTIAN ISLANDS.
14	11 44 53.8	20.6 S	178.5 W	561	4.7	FIJI ISLANDS REGION.
14	12 16 53.4	20.6 S	178.2 W	260	4.1	FIJI ISLANDS REGION.
14	15 05 54.4	13.7 S	172.3 E	611	5.1	NEW HEBRIDES ISLANDS REGION.
14	15 12 22.4	15.9 N	60.5 W	31	5.4	LEEWARD ISLANDS.

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MAR	H M S	DEG	DEG	KM		
14	16 36 52.1	1.9 S	12.9 W	33	5.4	NORTH OF ASCENSION ISLAND.
14	17 42 25.3	37.7 N	118.7 W	16		CALIFORNIA-NEVADA BORDER REGION. MAG. 3.6 (BRK).
14	18 43 27.4	1.8 S	13.2 W	33	4.7	NORTH OF ASCENSION ISLAND.
14	23 12 10*	52.1 N	170.6 W	33	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
15	02 07 04.1	37.5 S	73.3 W	33	4.6	NEAR COAST OF CENTRAL CHILE.
15	03 18 14*	1.2 N	126.2 E	43		MOLUCCA PASSAGE.
15	05 23 04*	47.6 N	8.3 E	33		SWITZERLAND.
15	07 59 58.0	49.7 N	78.0 E	0	5.6	EASTERN KAZAKH SSR.
15	09 49 42.4	53.0 N	157.3 E	170	4.8	KAMCHATKA.
15	14 14 51.8	2.7 S	77.7 W	94	4.3	PERU-ECUADOR BORDER REGION.
15	19 40 51*	42.2 N	44.6 E	33	4.1	WESTERN CAUCASUS.
15	21 17 46.1	17.9 N	120.0 E	33	4.8	LUZON, PHILIPPINE ISLANDS.
15	22 30 26.0	36.2 N	7.6 W	27	6.2	STRAITS OF GIBRALTER. MAG. 6 3/4-7 (PAS), 7-7 1/4 (BRK), 6 1/4-6 1/2 (PAL). FELT IN PORTUGAL, SPAIN, AND MOROCCO. FELT STRONGLY BY THE "ST. RAPHAEL" AT 36.6°N, 7.9°W.
16	01 05 17.6	36.9 N	95.5 E	33	5.9	TSINGHAI PROVINCE, CHINA.
16	03 28 11.7	38.0 N	72.9 E	132	5.2	TADZHIK SSR.
16	06 06 51.3	13.5 N	88.3 W	92	3.9	EL SALVADOR.
16	07 04 35*	52.0 N	166.9 W	45	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
16	08 44 32.8	44.8 N	146.8 E	140	5.7	KURILE ISLANDS. MAG. 6 1/4-6 1/2 (BRK).
16	13 30 35*	47.5 N	8.3 E	33	4.2	SWITZERLAND.
16	14 55 55*	8.3 S	118.6 E	33		SUMBAWA ISLAND REGION.
16	14 58 23.4	11.5 S	166.1 E	69	4.8	SANTA CRUZ ISLANDS.
16	17 24 25*	52.6 N	157.2 E	171	4.4	KAMCHATKA.
16	18 59 28*	9.6 S	166.4 E	33	4.5	SANTA CRUZ ISLANDS.
16	20 30 49*	27.3 N	110.9 W	33	4.6	GULF OF CALIFORNIA.
16	20 40 47.9	19.5 N	65.3 W	33	4.4	PUERTO RICO REGION.
16	21 39 42.5	20.6 S	178.7 W	578	4.9	FIJI ISLANDS REGION.
17	00 13 08.4	7.5 N	73.3 W	148	3.7	NORTHERN COLOMBIA.
17	01 04 22*	1.0 N	121.0 E	82	5.3	NORTHERN CELEBES.
17	01 33 46*	45.2 N	150.4 E	40	4.1	KURILE ISLANDS.
17	02 04 58.2	53.5 N	163.3 E	20	4.8	OFF EAST COAST OF KAMCHATKA.
17	02 35 44*	57.5 N	155.7 W	33	4.2	ALASKA PENINSULA.
17	05 01 57*	8.9 S	108.8 W	33	4.5	NORTHERN EASTER I. CORDILLERA.
17	07 41 04*	23.9 S	65.9 W	76	4.3	JUJUY PROVINCE, ARGENTINA.
17	12 05 10*	27.0 N	54.1 E	33		SOUTHERN IRAN.
17	14 29 43.6	5.6 S	151.6 E	54	4.9	NEW BRITAIN REGION. FELT AT RABAUL.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
17	18 05 52*	15.8 S	173.3 W	33	4.6	TONGA ISLANDS.
18	00 10 35*	17.3 S	175.1 W	268	4.8	TONGA ISLANDS.
18	01 52 10.2	6.8 N	73.1 W	181	3.9	NORTHERN COLOMBIA.
18	04 37 26.9	52.5 N	153.6 E	440	5.6	NORTHWEST OF KURILE ISLANDS. MAG. 6 1/2 (PAS), 5 1/4 (BRK).
18	05 17 13.2	20.2 S	178.4 W	566	3.9	FIJI ISLANDS REGION.
18	07 20 02*	48.8 N	155.0 E	55	4.6	KURILE ISLANDS.
18	11 39 27*	14.7 N	92.1 W	31	4.0	NEAR COAST OF CHIAPAS, MEXICO.
18	16 43 23.7	45.7 N	14.1 E	33	4.6	YUGOSLAVIA. SLIGHT DAMAGE IN ILIRSKA BISTRICA REGION AND TRIESTE. FELT AT LJUBLIJANA.
18	18 57 27.3	29.9 S	71.0 W	50	4.5	NEAR COAST OF CENTRAL CHILE.
18	19 52 39.3	10.5 S	161.6 E	85	5.0	SOLOMON ISLANDS.
19	03 28 57.0	18.6 S	69.9 W	127	3.9	NORTHERN CHILE. FELT AT AREQUIPA, PERU.
19	04 45 50.9	21.9 S	179.5 E	613	4.7	SOUTH OF FIJI ISLANDS.
19	08 43 40.5	20.3 S	178.3 W	504	4.5	FIJI ISLANDS REGION.
19	09 42 34.9	14.7 N	56.3 E	33		ARABIAN SEA.
19	11 05 04*	35.3 N	135.7 E	365	4.2	SOUTHERN HONSHU, JAPAN.
19	11 50 54.2	28.4 N	139.6 E	450	4.4	BONIN ISLANDS REGION.
19	21 44 03.8	15.1 S	172.6 W	33	5.6	SAMOA ISLANDS REGION. MAG. 6 1/2 (PAS), 6 1/4-6 1/2 (BRK). FELT.
19	22 29 03.2	15.3 S	72.9 W	115	4.7	SOUTHERN PERU.
20	00 06 34*	7.4 N	79.9 W	93	3.9	SOUTH OF PANAMA.
20	01 16 12.8	62.2 S	155.8 E	33		BALLENY ISLANDS REGION.
20	01 35 01*	18.6 S	177.4 W	334	3.6	FIJI ISLANDS REGION.
20	03 15 45.6	28.2 N	55.0 E	43	5.8	SOUTHERN IRAN.
20	04 21 08.1	6.1 S	150.4 E	34	4.9	NEW BRITAIN REGION. FELT AT FULLEBORNE, WALINDI, AND PALMALMAL.
20	06 35 51.6	12.9 N	89.9 W	125	4.2	OFF COAST OF CENTRAL AMERICA.
20	06 55 28.1	2.0 S	79.7 W	71	5.3	NEAR COAST OF ECUADOR. MAG. 5 1/4 (BRK). FELT AT GUAYAQUIL.
20	18 55 10.8	7.0 S	115.2 E	121	5.4	BALI SEA.
20	19 00 52.7	23.6 N	94.4 E	86	5.7	BURMA-INDIA BORDER REGION.
20	19 15 16.3	19.8 S	173.6 W	33	4.7	TONGA ISLANDS.
21	02 01 06.9	23.4 S	66.3 W	207	3.9	JUJUY PROVINCE, ARGENTINA.
21	03 42 19.6	6.4 S	127.9 E	367		BANDA SEA. MAG. 7-7 1/4 (PAS), 6 1/2 (BRK). FELT AT DARWIN, AUSTRALIA.
21	05 50 03*	8.7 S	109.2 W	33	4.2	NORTHERN EASTER I. CORDILLERA.
21	07 02 24.7	34.2 S	70.7 W	90	4.4	CHILE-ARGENTINA BORDER REGION. FELT AT SANTIAGO, CHILE.
21	07 46 39*	12.1 N	141.9 E	33	5.2	SOUTH OF MARIANA ISLANDS.
21	10 25 32.9	27.1 N	54.1 E	33		SOUTHERN IRAN.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
21	10 44 01*	22.3 N	143.7 E	33	4.9	VOLCANO ISLANDS REGION.
21	10 57 03.7	15.4 S	174.1 W	153	4.1	TONGA ISLANDS.
21	15 08 14.3	18.7 N	103.1 W	83	5.0	NEAR COAST OF MICHOACAN, MEXICO. MAG. 5 1/4-5 1/2 (BRK), 5 1/4 (PAL).
21	16 27 11.7	27.6 S	177.2 W	33	5.6	KERMADEC ISLANDS. MAG. 5-5 1/4 (BRK).
22	00 44 39*	28.3 N	111.8 W	33	3.9	GULF OF CALIFORNIA.
22	00 52 38.8	54.0 N	160.5 E	30	5.0	NEAR EAST COAST OF KAMCHATKA.
22	05 32 07.7	2.7 S	126.4 E	33	5.1	CERAM SEA.
22	06 22 15*	61.3 N	147.8 W	62	4.5	SOUTHERN ALASKA.
22	07 05 39.7	5.5 S	77.1 W	147	5.1	NORTHERN PERU.
22	08 35 06.4	35.7 S	72.9 W	33	5.1	NEAR COAST OF CENTRAL CHILE.
22	12 17 11*	18.5 N	145.1 E	533	4.3	MARIANA ISLANDS.
22	13 03 10*	6.7 N	72.8 W	179	3.8	NORTHERN COLOMBIA.
22	13 39 02*	3.2 N	98.0 E	33		NORTHERN SUMATRA.
22	15 56 19.8	38.8 N	118.8 W	16	3.8	CALIFORNIA-NEVADA BORDER REGION. MAG. 4 1/4 (BRK). FELT AT HAWTHORNE, NEVADA.
22	16 30 55.2	38.8 N	118.7 W	16	4.5	CALIFORNIA-NEVADA BORDER REGION. MAG. 5 (PAS), 5 1/4 (BRK). FELT OVER AN AREA OF 7,500 SQUARE MILES.
22	16 39 50.3	38.8 N	118.8 W	16		CALIFORNIA-NEVADA BORDER REGION. MAG. 3 1/2 (BRK).
22	17 51 19.5	14.2 S	75.6 W	86	4.3	NEAR COAST OF PERU.
22	18 14 49.6	38.8 N	118.8 W	16		CALIFORNIA-NEVADA BORDER REGION. MAG. 3 1/2 (BRK). FELT AT HAWTHORNE, NEVADA.
22	18 17 43.0	38.9 N	118.8 W	16		CALIFORNIA-NEVADA BORDER REGION. MAG. 3 1/2 (BRK). FELT AT HAWTHORNE, NEVADA.
22	20 12 17.9	13.2 N	125.4 E	204		PHILIPPINE ISLANDS REGION.
23	00 45 02*	20.2 S	176.5 W	33	4.4	FIJI ISLANDS REGION.
23	01 02 36.1	9.3 S	108.2 E	50		SOUTH OF JAVA.
23	03 35 44.9	1.2 S	78.7 W	68	4.2	ECUADOR.
23	06 12 26*	16.4 N	105.1 W	33	4.0	OFF COAST OF MICHOACAN, MEXICO.
23	07 36 24.3	37.2 N	72.3 E	143	4.4	TADZHIK SSR.
23	07 55 14.1	77.0 N	132.2 W	16	3.9	ARCTIC OCEAN.
23	09 17 47.3	31.8 S	179.5 E	464	4.2	KERMADEC ISLANDS.
23	09 43 50*	46.2 N	149.6 E	33	4.5	KURILE ISLANDS.
23	11 20 51.5	27.8 S	72.4 W	37	4.4	OFF COAST OF NORTHERN CHILE.
23	13 40 26.3	38.3 N	73.7 E	126	5.4	TADZHIK-SINKIANG BORDER REGION.
23	15 32 55.0	38.7 N	118.8 W	16	3.9	CALIFORNIA-NEVADA BORDER REGION. MAG. 4 1/4 (BRK). FELT AT HAWTHORNE, NEVADA.
23	22 28 45.6	19.3 N	121.0 E	33		PHILIPPINE ISLANDS REGION.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
23	22 41 15.8	17.6 S	123.2 E	33		WESTERN AUSTRALIA.
24	00 27 14.7	17.1 S	178.4 W	554		FIJI ISLANDS REGION.
24	01 58 42.7	25.2 N	140.6 E	181	4.6	VOLCANO ISLANDS REGION.
24	06 36 19.5	5.2 S	78.6 W	33	4.0	NORTHERN PERU.
24	08 28 10.4	19.2 N	65.9 W	58	4.4	PUERTO RICO REGION.
24	09 37 56.2	51.1 N	129.6 W	22	4.2	QUEEN CHARLOTTE ISLANDS REGION.
24	11 57 09.2	24.7 S	65.0 W	95	4.4	SALTA PROVINCE, ARGENTINA.
24	14 41 55*	11.7 N	143.9 E	51	4.6	SOUTH OF MARIANA ISLANDS.
24	17 38 08.2	27.7 S	68.7 W	76	4.5	CHILE-ARGENTINA BORDER REGION.
24	20 33 16.7	45.2 N	151.4 E	33	4.6	KURILE ISLANDS.
24	22 20 26.2	36.1 N	141.5 E	50	4.3	NEAR EAST COAST OF HONSHU, JAPAN.
24	22 48 12*	15.4 S	75.1 W	50		NEAR COAST OF PERU.
24	23 57 07.8	38.7 N	118.7 W	16	3.5	CALIFORNIA-NEVADA BORDER REGION. FELT AT RAFTER SEVEN RANCH, NEVADA.
25	02 43 23.5	36.3 N	140.9 E	67	4.8	NEAR EAST COAST OF HONSHU, JAPAN. FELT AT TOKYO.
25	03 45 07.5	6.9 N	72.9 W	171	3.7	NORTHERN COLOMBIA.
25	04 52 07.8	36.3 N	141.1 E	60	4.7	NEAR EAST COAST OF HONSHU, JAPAN. FELT AT TOKYO.
25	07 48 36*	8.7 S	108.1 W	33	4.2	NORTHERN EASTER I. CORDILLERA.
25	08 46 16.0	40.4 N	124.4 W	33	4.5	NEAR COAST OF NORTHERN CALIF. FELT AT RIO DELL, FERNDALE, AND SCOTIA.
25	08 57 11.7	31.6 S	69.5 W	123	4.2	SAN JUAN PROVINCE, ARGENTINA.
25	10 08 06.8	7.7 N	75.3 W	48	4.8	NORTHERN COLOMBIA. FELT AT MEDELLIN.
25	10 34 41*	44.9 N	149.5 E	33	4.1	KURILE ISLANDS.
25	11 13 08.7	14.6 S	167.4 E	170	4.1	NEW HEBRIDES ISLANDS.
25	11 33 48.4	19.7 S	175.9 W	170	4.6	TONGA ISLANDS.
25	12 44 59.4	7.5 S	74.3 W	156	3.8	PERU-BRAZIL BORDER REGION.
25	15 32 26.0	20.1 S	168.8 E	33	4.7	LOYALTY ISLANDS.
25	20 17 24.7	5.8 S	104.0 E	33	5.4	SOUTHERN SUMATRA.
26	01 16 08.8	10.3 N	122.6 E	53		PANAY, PHILIPPINE ISLANDS. FELT AT ILOILO AND ROXAS CITY.
26	01 43 04*	21.5 S	174.6 W	33	4.3	TONGA ISLANDS.
26	02 04 20.2	11.3 N	142.0 E	33	4.9	SOUTH OF MARIANA ISLANDS. MAG. 5 3/4 (PAS), 5-5 1/4 (BRK).
26	04 40 17.2	47.1 N	8.3 E	33		SWITZERLAND.
26	05 25 02.8	5.1 S	76.6 W	100	4.8	NORTHERN PERU.
26	06 30 51.1	13.7 N	120.6 E	118	5.5	MINDORO, PHILIPPINE ISLANDS.
26	07 13 04.5	46.4 N	145.1 E	180	4.6	SEA OF OKHOTSK.
26	07 43 39.1	39.1 N	10.7 W	33	4.5	NORTH ATLANTIC OCEAN. FELT AT LISBON.
26	09 15 33.4	8.3 N	121.8 E	59	6.4	MINDANAO, PHILIPPINE ISLANDS.

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MAR	H M S	DEG	DEG	KM		
26	12 15 47*	6.8 S	129.3 E	156	5.3	BANDA SEA.
26	13 29 56.2	4.4 S	104.7 W	33	4.9	NORTHERN EASTER I. CORDILLERA. MAG. 5 3/4 (PAS), 5 1/2-5 3/4 (BRK).
26	15 42 48*	4.7 S	104.6 W	33	4.2	NORTHERN EASTER I. CORDILLERA.
26	19 37 27.6	39.3 N	143.3 E	33	4.7	OFF EAST COAST OF HONSHU, JAPAN.
26	21 28 06.0	4.6 N	95.8 E	33	5.5	NORTHERN SUMATRA.
27	03 37 40.8	30.4 S	71.5 W	48	4.2	NEAR COAST OF CENTRAL CHILE.
27	04 30 33.0	25.9 N	95.8 E	93	5.4	BURMA-INDIA BORDER REGION.
27	08 01 30.5	11.5 S	166.2 E	93	4.5	SANTA CRUZ ISLANDS.
27	13 33 54.1	19.0 S	167.5 E	33	4.8	NEW HEBRIDES ISLANDS REGION.
27	17 12 36.3	9.2 N	84.0 W	33	4.2	COSTA RICA.
27	17 27 35.5	9.4 N	83.9 W	33	4.2	COSTA RICA.
27	19 12 50.7	36.8 N	71.2 E	206	5.6	AFGHANISTAN-USSR BORDER REGION.
27	20 22 10.6	23.7 S	179.9 E	520	5.0	SOUTH OF FIJI ISLANDS. MAG. 5-5 1/4 (BRK).
27	23 03 41.7	27.2 N	89.3 E	32	6.3	BHUTAN.
28	03 33 44.5	35.9 N	114.9 W	5		CALIFORNIA-NEVADA BORDER REGION. FELT AT BOULDER CITY, HENDERSON, AND LAS VEGAS, NEVADA.
28	03 36 14.2	61.0 N	147.8 W	33	8.5	SOUTHERN ALASKA. MAG. 8.4 (PAS), 8 1/2-8 3/4 (BRK), 8.6 (PAL). 114 DEAD OR MISSING, MANY INJURED AND MAJOR PROPERTY DAMAGE IN ALASKA. EXTENSIVE DAMAGE FROM SEISMIC SEA WAVES THROUGHOUT THE GULF OF ALASKA, ALONG THE WEST COAST OF NORTH AMERICA, AND IN HAWAII.
28	04 54 07.9	59.8 N	149.4 W	25	6.1	KENAI PENINSULA, ALASKA.
28	05 31 05.4	58.1 N	150.1 W	33	5.3	GULF OF ALASKA.
28	05 33 52.6	60.2 N	146.2 W	20	5.6	SOUTHERN ALASKA.
28	05 35 38.4	57.2 N	153.0 W	33	5.7	KODIAK ISLAND REGION.
28	05 44 54.9	60.1 N	148.4 W	33	4.9	KENAI PENINSULA, ALASKA.
28	06 08 44.2	60.1 N	148.6 W	20	5.6	KENAI PENINSULA, ALASKA. MAG. 4 1/4-4 1/2 (BRK).
28	06 24 10.1	58.6 N	149.4 W	15	4.7	GULF OF ALASKA.
28	06 29 17.4	57.7 N	150.8 W	20	5.1	GULF OF ALASKA. MAG. 3 3/4-4 1/4 (BRK).
28	06 32 38.6	60.1 N	147.6 W	33	5.5	SOUTHERN ALASKA. MAG. 4 1/2-4 3/4 (BRK).
28	06 36 55.2	57.9 N	151.5 W	33	5.1	KODIAK ISLAND REGION.
28	06 41 28.0	59.9 N	147.8 W	15	5.5	GULF OF ALASKA. MAG. 4 3/4-5 (BRK).
28	06 43 57.4	58.3 N	151.3 W	25	6.1	KODIAK ISLAND REGION. MAG. 5 1/2-5 3/4 (BRK).
28	06 50 48.9	57.1 N	152.3 W	33	5.0	KODIAK ISLAND REGION.
28	06 53 35.6	58.8 N	149.5 W	20	5.7	GULF OF ALASKA. MAG. 4 3/4-5 (BRK).
28	07 09 12.0	60.0 N	147.5 W	33	5.4	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
28	07 10 21.4	58.8 N	149.5 W	20	6.1	GULF OF ALASKA. MAG. 6.2 (PAS), 5 3/4-6 (BRK).
28	07 24 21.7	59.3 N	149.8 W	20	5.0	KENAI PENINSULA, ALASKA.
28	07 28 20.5	57.9 N	150.4 W	20	5.0	GULF OF ALASKA.
28	07 30 29.6	57.4 N	151.7 W	15	5.7	KODIAK ISLAND REGION. MAG. 5 1/4-5 1/2 (BRK).
28	07 47 47.1	58.3 N	150.2 W	33	4.8	GULF OF ALASKA.
28	07 48 47.8	57.0 N	153.3 W	15	5.0	KODIAK ISLAND REGION.
28	07 52 00.8	57.1 N	154.0 W	33	4.8	KODIAK ISLAND REGION.
28	07 55 08.4	58.4 N	150.1 W	25	4.5	GULF OF ALASKA.
28	07 59 40.7	57.9 N	150.3 W	25	4.4	GULF OF ALASKA.
28	08 13 09.5	59.6 N	148.8 W	33	4.4	KENAI PENINSULA, ALASKA.
28	08 30 11.7	60.5 N	147.0 W	33	4.7	SOUTHERN ALASKA.
28	08 32 33.7	61.0 N	143.1 W	15	4.5	SOUTHERN ALASKA.
28	08 33 47.0	58.1 N	151.1 W	25	5.6	KODIAK ISLAND REGION. MAG. 5 1/4-5 1/2 (BRK).
28	08 39 54.9	57.5 N	151.6 W	20	5.4	KODIAK ISLAND REGION.
28	08 42 31.3	60.3 N	147.2 W	33	4.7	SOUTHERN ALASKA.
28	08 47 06.3	59.5 N	148.1 W	33	4.5	KENAI PENINSULA, ALASKA.
28	08 52 44.6	60.3 N	147.6 W	33	4.2	SOUTHERN ALASKA.
28	08 54 25*	57.0 N	154.5 W	33	3.9	KODIAK ISLAND REGION.
28	08 55 12.1	58.3 N	149.3 W	20	4.6	GULF OF ALASKA.
28	08 55 22.8	56.7 N	151.9 W	25	5.1	KODIAK ISLAND REGION.
28	08 59 03.7	57.4 N	151.8 W	33	5.1	KODIAK ISLAND REGION.
28	09 01 00.5	56.5 N	152.0 W	20	6.0	KODIAK ISLAND REGION. MAG. 6.2 (PAS), 5 1/2-5 3/4 (BRK).
28	09 05 56.4	56.6 N	153.2 W	25	5.3	KODIAK ISLAND REGION.
28	09 13 56.6	59.4 N	151.2 W	35	5.2	KENAI PENINSULA, ALASKA.
28	09 17 52.6	57.4 N	151.6 W	25	4.9	KODIAK ISLAND REGION.
28	09 20 28.6	59.8 N	149.9 W	33	4.3	KENAI PENINSULA, ALASKA.
28	09 26 16.5	61.3 N	148.8 W	33	4.4	SOUTHERN ALASKA.
28	09 28 36.7	56.7 N	153.9 W	33	4.0	KODIAK ISLAND REGION.
28	09 34 01.5	56.8 N	152.3 W	20	5.0	KODIAK ISLAND REGION.
28	09 45 07.8	59.1 N	151.5 W	33	4.2	KENAI PENINSULA, ALASKA.
28	09 52 55.7	59.7 N	146.6 W	30	5.5	GULF OF ALASKA. MAG. 6.2 (PAS), 5-5 1/4 (BRK).
28	09 59 02*	61.2 N	137.7 W	20		SOUTHERN YUKON TERRITORY, CANADA.
28	10 08 45.0	42.9 N	101.6 W	41	5.1	NEBRASKA. SLIGHT DAMAGE AT MARTIN AND DEADWOOD, SOUTH DAKOTA, RUSHVILLE AND MERRIMAN, NEBRASKA. FELT WIDELY IN SOUTH DAKOTA, NEBRASKA, AND WYOMING.
28	10 15 41.9	59.6 N	149.4 W	20	4.8	KENAI PENINSULA, ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
28	10 17 27.7	60.3 N	146.6 W	15	4.4	SOUTHERN ALASKA.
28	10 17 48.5	56.6 N	152.2 W	15	5.1	KODIAK ISLAND REGION.
28	10 20 30*	57.7 N	152.2 W	33	4.3	KODIAK ISLAND REGION.
28	10 25 34*	58.8 N	149.8 W	33	4.7	GULF OF ALASKA.
28	10 33 00.2	57.7 N	152.2 W	35	5.2	KODIAK ISLAND REGION.
28	10 35 31.2	60.9 N	143.7 W	25	5.1	SOUTHERN ALASKA.
28	10 35 38.9	57.2 N	152.4 W	33	6.0	KODIAK ISLAND REGION. MAG. 6.3 (PAS), 5 3/4-6 (BRK).
28	10 49 23.2	59.1 N	148.3 W	15	4.6	KENAI PENINSULA, ALASKA.
28	10 53 44.8	60.1 N	147.6 W	20	4.8	SOUTHERN ALASKA.
28	10 57 18.1	60.6 N	144.7 W	33	4.7	SOUTHERN ALASKA.
28	10 59 16.3	57.4 N	151.6 W	30	5.2	KODIAK ISLAND REGION.
28	11 02 22.7	58.2 N	149.9 W	30	4.8	GULF OF ALASKA.
28	11 04 16.3	58.0 N	151.4 W	33	4.7	KODIAK ISLAND REGION.
28	11 07 13.2	58.3 N	150.7 W	33	4.6	GULF OF ALASKA.
28	11 08 26.0	60.1 N	148.4 W	15	5.7	KENAI PENINSULA, ALASKA. MAG. 5.6 (PAS), 5 1/4-5 1/2 (BRK).
28	11 24 57.5	56.4 N	149.7 W	25	5.0	GULF OF ALASKA.
28	11 30 09.8	0.5 N	122.3 E	140	5.8	NORTHERN CELEBES.
28	11 32 19.0	59.0 N	149.5 W	20	4.9	KENAI PENINSULA, ALASKA.
28	11 50 01.9	58.2 N	149.8 W	25	5.3	GULF OF ALASKA.
28	11 56 48.3	57.6 N	151.8 W	33	4.5	KODIAK ISLAND REGION.
28	12 03 16.5	60.3 N	146.6 W	15	5.4	SOUTHERN ALASKA. MAG. 5.1 (PAS).
28	12 20 49.8	56.5 N	154.0 W	25	6.1	KODIAK ISLAND REGION. MAG. 6.5 (PAS), 5 1/4-5 3/4 (BRK).
28	12 31 29.8	59.1 N	149.6 W	20	4.7	KENAI PENINSULA, ALASKA.
28	12 48 34*	60.5 N	145.9 W	33	4.3	SOUTHERN ALASKA.
28	13 01 14.2	60.1 N	147.0 W	20	5.1	SOUTHERN ALASKA.
28	13 27 38.5	60.3 N	147.1 W	15	4.9	SOUTHERN ALASKA.
28	13 44 11.0	57.5 N	152.3 W	25	4.4	KODIAK ISLAND REGION.
28	13 47 37.0	57.0 N	152.8 W	15	5.0	KODIAK ISLAND REGION.
28	13 54 19.9	62.1 N	147.1 W	15	4.6	CENTRAL ALASKA.
28	14 01 57.6	56.5 N	154.4 W	25	5.1	KODIAK ISLAND REGION.
28	14 18 16.1	58.0 N	149.7 W	20	4.8	GULF OF ALASKA.
28	14 33 13.6	57.8 N	152.1 W	25	4.9	KODIAK ISLAND REGION.
28	14 46 19.2	57.8 N	151.3 W	33	4.8	KODIAK ISLAND REGION.
28	14 46 33.6	56.7 N	153.6 W	33	4.9	KODIAK ISLAND REGION.
28	14 47 37.1	60.4 N	146.5 W	10	5.7	SOUTHERN ALASKA. MAG. 6.3 (PAS), 5 3/4-6 (BRK), 6 1/2-6 3/4 (PAL).
28	14 49 13.7	60.4 N	147.1 W	10	5.8	SOUTHERN ALASKA. MAG. 6.5 (PAS), 5 1/2-5 3/4 (BRK).

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
28	15 20 28.6	57.4 N	151.3 W	20	4.7	KODIAK ISLAND REGION.
28	15 22 36.4	60.4 N	146.8 W	15	4.7	SOUTHERN ALASKA.
28	15 27 30.1	61.0 N	149.0 W	33	4.7	SOUTHERN ALASKA.
28	15 34 10.4	59.5 N	146.7 W	33	4.4	GULF OF ALASKA.
28	15 36 22.3	58.3 N	150.9 W	25	4.7	GULF OF ALASKA.
28	15 39 44.1	56.0 N	159.7 W	33	4.1	ALASKA PENINSULA.
28	15 42 53.5	60.6 N	147.1 W	33	4.1	SOUTHERN ALASKA.
28	15 43 45.3	57.6 N	151.6 W	33	4.5	KODIAK ISLAND REGION.
28	15 51 50.7	58.8 N	149.9 W	20	4.5	GULF OF ALASKA.
28	15 55 25.8	59.7 N	146.3 W	10	4.7	GULF OF ALASKA.
28	16 04 33.8	57.5 N	150.8 W	20	4.6	GULF OF ALASKA.
28	16 15 02.9	59.6 N	149.6 W	33	4.0	KENAI PENINSULA, ALASKA.
28	16 26 16.9	57.5 N	150.9 W	30	5.0	GULF OF ALASKA.
28	16 44 35.9	59.3 N	147.8 W	25	5.3	GULF OF ALASKA. MAG. 4 3/4-5 (BRK).
28	17 14 59.0	59.5 N	148.6 W	33	4.3	KENAI PENINSULA, ALASKA.
28	17 47 17.0	60.4 N	145.7 W	15	4.7	SOUTHERN ALASKA.
28	17 49 49.7	57.7 N	150.2 W	15	4.9	GULF OF ALASKA.
28	18 02 54.9	59.5 N	149.3 W	33	4.6	KENAI PENINSULA, ALASKA.
28	18 24 02.2	60.1 N	149.5 W	15	4.0	KENAI PENINSULA, ALASKA.
28	18 46 53.4	60.5 N	148.4 W	20	4.3	KENAI PENINSULA, ALASKA.
28	19 01 51.5	60.1 N	146.9 W	15	4.5	SOUTHERN ALASKA.
28	19 21 38.8	61.6 N	146.7 W	45	4.6	SOUTHERN ALASKA.
28	19 29 02.4	58.1 N	150.4 W	20	4.4	GULF OF ALASKA.
28	19 45 21.4	56.4 N	152.6 W	20	4.5	KODIAK ISLAND REGION.
28	20 05 45*	60.6 N	144.5 W	33	4.0	SOUTHERN ALASKA.
28	20 29 08.6	59.8 N	148.7 W	40	5.8	KENAI PENINSULA, ALASKA. MAG. 6.6 (PAS), 6 1/2-6 3/4 (BRK), 6 1/2-6 3/4 (PAL).
28	21 15 17.4	58.2 N	150.1 W	25	4.7	GULF OF ALASKA.
28	21 37 48.7	59.6 N	145.6 W	20	4.4	GULF OF ALASKA.
28	21 57 54.3	56.4 N	152.6 W	33	4.4	KODIAK ISLAND REGION.
28	22 09 43.2	58.0 N	153.2 W	33	4.7	KODIAK ISLAND REGION.
28	22 13 22.9	57.5 N	152.9 W	25	4.4	KODIAK ISLAND REGION.
28	22 16 20.8	59.8 N	148.8 W	33	3.9	KENAI PENINSULA, ALASKA.
28	22 22 03.1	60.3 N	145.3 W	15	4.6	SOUTHERN ALASKA.
28	22 28 47.0	58.2 N	150.4 W	20	5.2	GULF OF ALASKA.
28	22 47 00.1	61.2 N	145.2 W	33	4.6	SOUTHERN ALASKA.
28	23 14 46.7	57.6 N	151.2 W	33	4.1	KODIAK ISLAND REGION.
28	23 21 05.7	61.5 N	146.5 W	33	3.8	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
28	23 24 55.5	60.0 N	149.6 W	33	4.4	KENAI PENINSULA, ALASKA.
28	23 46 22.0	57.5 N	151.1 W	33	5.2	KODIAK ISLAND REGION. MAG. 5.0 (PAS), 5 1/2-5 3/4 (BRK).
29	00 12 32.3	56.8 N	153.4 W	33	4.5	KODIAK ISLAND REGION.
29	00 15 11.0	59.9 N	146.3 W	33	4.4	GULF OF ALASKA.
29	00 21 03.8	58.4 N	150.4 W	33	4.2	GULF OF ALASKA.
29	00 43 15*	58.7 N	153.3 W	25	3.9	KODIAK ISLAND REGION.
29	00 51 05.7	60.4 N	145.1 W	15	4.2	SOUTHERN ALASKA.
29	00 51 45*	60.6 N	150.0 W	33	4.6	KENAI PENINSULA, ALASKA.
29	00 53 05.8	57.4 N	151.5 W	25	5.1	KODIAK ISLAND REGION.
29	01 09 36.4	59.8 N	149.2 W	20	5.5	KENAI PENINSULA, ALASKA. MAG. 5.2 (PAS), 5 1/4-5 1/2 (BRK), 5 1/2 (PAL).
29	01 29 33.7	57.5 N	151.3 W	20	5.6	KODIAK ISLAND REGION. MAG. 4.6 (PAS), 5 3/4-6 (BRK).
29	01 48 18.5	56.3 N	153.7 W	20	4.8	KODIAK ISLAND REGION.
29	02 07 41.6	56.5 N	152.6 W	20	4.5	KODIAK ISLAND REGION.
29	02 14 02.4	59.5 N	149.1 W	20	4.7	KENAI PENINSULA, ALASKA.
29	02 16 29.8	58.3 N	149.7 W	25	4.9	GULF OF ALASKA.
29	02 19 13.2	59.0 N	149.2 W	20	4.7	KENAI PENINSULA, ALASKA.
29	02 25 25.1	57.0 N	151.7 W	20	5.2	KODIAK ISLAND REGION.
29	02 32 00*	60.2 N	148.2 W	20	4.7	KENAI PENINSULA, ALASKA.
29	03 07 19.5	59.7 N	148.8 W	30	5.0	KENAI PENINSULA, ALASKA.
29	03 15 17*	57.9 N	150.9 W	33	3.9	GULF OF ALASKA.
29	03 25 24.7	60.4 N	144.7 W	15	4.3	SOUTHERN ALASKA.
29	03 38 38.1	60.7 N	149.1 W	40	5.1	KENAI PENINSULA, ALASKA.
29	03 52 26.5	59.7 N	148.8 W	15	4.4	KENAI PENINSULA, ALASKA.
29	04 01 21.9	59.8 N	148.5 W	15	4.1	KENAI PENINSULA, ALASKA.
29	04 12 15.7	60.2 N	145.5 W	15	5.3	SOUTHERN ALASKA. MAG. 5.2 (PAS), 4 3/4-5 (BRK).
29	04 51 53.3	56.8 N	152.4 W	40	4.8	KODIAK ISLAND REGION.
29	05 00 29.3	60.3 N	147.4 W	40	4.3	SOUTHERN ALASKA.
29	05 08 25.8	56.7 N	152.7 W	20	4.6	KODIAK ISLAND REGION.
29	05 13 42.4	59.5 N	147.4 W	33	3.9	GULF OF ALASKA.
29	05 21 09.8	57.1 N	150.4 W	20	4.4	GULF OF ALASKA.
29	05 37 47.4	56.9 N	153.3 W	25	4.8	KODIAK ISLAND REGION.
29	05 51 58.0	58.3 N	150.5 W	15	4.7	GULF OF ALASKA.
29	06 04 44.5	56.1 N	154.3 W	30	5.6	KODIAK ISLAND REGION. MAG. 5.8 (PAS), 5 1/4-5 1/2 (BRK), 6-6 1/4 (PAL).
29	06 29 39.4	58.1 N	149.8 W	33	5.0	GULF OF ALASKA.
29	06 36 16*	59.9 N	146.0 W	20	4.3	GULF OF ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
29	06 38 09*	58.6 N	148.9 W	33	4.6	GULF OF ALASKA.
29	06 48 52.3	58.1 N	150.6 W	33	4.8	GULF OF ALASKA.
29	06 53 19.5	56.1 N	154.5 W	25	4.8	KODIAK ISLAND REGION.
29	07 05 17.1	59.0 N	150.2 W	25	4.7	KENAI PENINSULA, ALASKA.
29	07 18 08.0	57.0 N	151.8 W	25	4.8	KODIAK ISLAND REGION.
29	07 37 22.8	55.9 N	154.8 W	33	4.0	SOUTH OF ALASKA.
29	07 39 40.7	57.1 N	152.0 W	20	4.5	KODIAK ISLAND REGION.
29	07 52 46.4	56.1 N	154.2 W	25	4.8	KODIAK ISLAND REGION. MAG. 4.9 (PAS).
29	08 06 03.7	56.6 N	152.4 W	25	4.5	KODIAK ISLAND REGION.
29	08 07 52.3	56.5 N	152.6 W	20	4.9	KODIAK ISLAND REGION.
29	08 11 54*	61.4 N	146.4 W	20	4.2	SOUTHERN ALASKA.
29	08 18 43*	60.1 N	146.6 W	33	3.9	SOUTHERN ALASKA.
29	08 31 30.0	60.2 N	148.5 W	15	4.4	KENAI PENINSULA, ALASKA.
29	08 44 52.0	59.0 N	148.1 W	33	4.2	KENAI PENINSULA, ALASKA.
29	08 50 03.6	56.7 N	152.1 W	33	4.3	KODIAK ISLAND REGION.
29	09 00 09.1	60.3 N	148.6 W	20	3.7	KENAI PENINSULA, ALASKA.
29	09 06 44.8	56.6 N	152.2 W	15	4.8	KODIAK ISLAND REGION.
29	09 15 55.4	58.4 N	150.5 W	15	4.6	GULF OF ALASKA.
29	09 22 01*	59.6 N	149.8 W	33	4.3	KENAI PENINSULA, ALASKA.
29	09 28 58*	60.5 N	151.2 W	20	4.3	KENAI PENINSULA, ALASKA.
29	10 08 02.4	60.0 N	148.6 W	20	5.3	KENAI PENINSULA, ALASKA. MAG. 5.0 (PAS), 5 1/4-5 1/2 (BRK).
29	10 13 48.0	60.6 N	146.3 W	15	4.6	SOUTHERN ALASKA.
29	10 38 29*	59.2 N	155.1 W	10	4.1	SOUTHERN ALASKA.
29	10 42 42.8	57.9 N	151.7 W	33	3.9	KODIAK ISLAND REGION.
29	10 49 40.3	58.2 N	150.4 W	25	5.2	GULF OF ALASKA.
29	11 11 44.8	56.2 N	152.7 W	33	4.2	KODIAK ISLAND REGION.
29	11 17 14*	58.5 N	151.2 W	33	3.9	KODIAK ISLAND REGION.
29	11 31 56.8	60.6 N	148.7 W	20	4.0	KENAI PENINSULA, ALASKA.
29	11 44 04.3	60.0 N	149.1 W	25	4.9	KENAI PENINSULA, ALASKA.
29	11 54 41.0	58.8 N	151.1 W	25	4.5	KODIAK ISLAND REGION.
29	11 56 33.0	58.0 N	151.6 W	20	5.1	KODIAK ISLAND REGION.
29	12 03 03.8	60.9 N	143.2 W	20	4.7	SOUTHERN ALASKA.
29	12 12 09.7	57.2 N	152.0 W	25	4.6	KODIAK ISLAND REGION.
29	12 18 03*	60.2 N	146.1 W	33	4.0	SOUTHERN ALASKA.
29	12 33 10.1	59.2 N	153.8 W	20	4.8	SOUTHERN ALASKA.
29	12 48 05.9	59.9 N	145.6 W	25	4.5	GULF OF ALASKA.
29	13 07 48*	60.3 N	147.1 W	33	4.1	SOUTHERN ALASKA.
29	13 08 01*	57.7 N	151.4 W	33		KODIAK ISLAND REGION.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
29	14 24 15.7	57.5 N	152.4 W	25	4.7	KODIAK ISLAND REGION.
29	14 43 09*	60.2 N	146.6 W	25	3.9	SOUTHERN ALASKA.
29	14 51 30.2	60.0 N	148.9 W	20	4.4	KENAI PENINSULA, ALASKA.
29	15 07 13.1	54.3 N	157.0 W	20	4.9	SOUTH OF ALASKA.
29	15 30 33.9	57.2 N	152.0 W	33	4.4	KODIAK ISLAND REGION.
29	15 39 28.6	56.1 N	154.4 W	25	4.2	KODIAK ISLAND REGION.
29	15 51 43.6	60.4 N	146.9 W	25	4.4	SOUTHERN ALASKA.
29	16 09 15.3	60.3 N	146.6 W	15	4.8	SOUTHERN ALASKA.
29	16 16 22.4	58.8 N	150.5 W	25	4.7	GULF OF ALASKA.
29	16 18 29.3	60.4 N	146.0 W	15	5.0	SOUTHERN ALASKA. MAG. 4.9 (PAS).
29	16 33 20*	56.0 N	149.9 W	33	4.6	GULF OF ALASKA.
29	16 40 57.9	59.7 N	147.0 W	15	5.6	GULF OF ALASKA. MAG. 5.8 (PAS, 5 1/2-5 3/4 (BRK).
29	16 45 33.6	59.8 N	146.9 W	20	5.3	GULF OF ALASKA. MAG. 4 3/4-5 (BRK), 6 1/4 (PAL).
29	16 53 26.6	60.3 N	146.1 W	15	5.2	SOUTHERN ALASKA. MAG. 4 3/4-5 (BRK).
29	17 26 00.2	56.4 N	153.3 W	33	4.1	KODIAK ISLAND REGION.
29	17 38 12.5	59.9 N	147.0 W	15	4.4	GULF OF ALASKA.
29	17 53 02.2	59.9 N	146.1 W	15	5.0	GULF OF ALASKA.
29	17 55 30.2	60.0 N	146.1 W	15	4.9	SOUTHERN ALASKA.
29	17 57 56.8	60.0 N	147.0 W	33	4.5	SOUTHERN ALASKA.
29	18 37 13*	57.8 N	151.3 W	33		KODIAK ISLAND REGION.
29	18 58 37.1	59.8 N	146.7 W	15	4.5	GULF OF ALASKA.
29	19 09 03.3	60.1 N	146.0 W	15	4.6	SOUTHERN ALASKA.
29	19 31 46.1	59.9 N	148.2 W	15	4.6	KENAI PENINSULA, ALASKA.
29	19 45 24.0	56.4 N	152.8 W	33	4.1	KODIAK ISLAND REGION.
29	20 30 03*	59.9 N	145.7 W	15	4.0	GULF OF ALASKA.
29	20 34 43*	57.0 N	153.7 W	15	4.4	KODIAK ISLAND REGION.
29	20 59 25.6	59.2 N	153.0 W	20	4.6	SOUTHERN ALASKA.
29	21 03 11.5	60.6 N	144.8 W	20	4.3	SOUTHERN ALASKA.
29	21 09 31*	59.5 N	152.5 W	20	4.0	SOUTHERN ALASKA.
29	21 40 32.7	6.7 S	155.1 E	68	5.3	SOLOMON ISLANDS. FELT AT RABAUL, NEW BRITAIN.
29	22 35 38.5	60.3 N	146.5 W	15	4.3	SOUTHERN ALASKA.
29	22 47 19.0	60.3 N	145.4 W	15	4.4	SOUTHERN ALASKA.
29	23 08 28.6	56.1 N	153.5 W	15	4.6	KODIAK ISLAND REGION.
29	23 25 35.1	59.2 N	152.6 W	33	4.1	SOUTHERN ALASKA.
29	23 27 55.3	59.7 N	148.2 W	30	4.6	KENAI PENINSULA, ALASKA.
29	23 40 54.8	61.1 N	151.0 W	25	4.7	SOUTHERN ALASKA.
29	23 49 28.6	59.9 N	147.1 W	20	4.8	GULF OF ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
29	23 55 51.9	58.9 N	150.0 W	20	4.7	GULF OF ALASKA.
30	00 08 25*	60.2 N	146.3 W	33	3.7	SOUTHERN ALASKA.
30	00 17 57.7	59.3 N	149.0 W	20	4.5	KENAI PENINSULA, ALASKA.
30	00 26 15.7	58.9 N	150.2 W	20	4.6	GULF OF ALASKA.
30	00 53 55.8	60.0 N	146.3 W	15	4.2	SOUTHERN ALASKA.
30	00 59 39.6	45.0 N	111.5 W	33		HEBGEN LAKE REGION.
30	01 32 09.5	59.8 N	146.6 W	15	4.6	GULF OF ALASKA.
30	01 41 38.6	60.6 N	144.3 W	33	4.7	SOUTHERN ALASKA.
30	02 02 35*	56.7 N	151.6 W	33	4.2	KODIAK ISLAND REGION.
30	02 03 02.2	59.0 N	148.2 W	17	5.1	KENAI PENINSULA, ALASKA.
30	02 18 06.3	56.6 N	152.9 W	25	5.8	KODIAK ISLAND REGION. MAG. 6.6 (PAS), 6 1/2-6 3/4 (BRK), 6 3/4 (PAL).
30	02 41 59.6	56.5 N	153.0 W	30	4.9	KODIAK ISLAND REGION.
30	03 12 17.1	56.0 N	153.6 W	33	4.1	KODIAK ISLAND REGION.
30	03 35 12*	61.2 N	151.1 W	30	4.4	SOUTHERN ALASKA.
30	04 01 36*	56.4 N	152.8 W	33	4.3	KODIAK ISLAND REGION.
30	04 22 43.1	59.5 N	146.3 W	15	4.5	GULF OF ALASKA.
30	04 51 59.3	13.4 N	90.0 W	92	4.7	EL SALVADOR.
30	05 04 15*	60.4 N	145.0 W	33	3.8	SOUTHERN ALASKA.
30	05 14 21.5	56.2 N	154.4 W	33	4.5	KODIAK ISLAND REGION.
30	05 32 30*	56.9 N	151.7 W	33	4.3	KODIAK ISLAND REGION.
30	06 28 59*	59.7 N	148.6 W	15	4.1	KENAI PENINSULA, ALASKA.
30	07 09 34.0	59.9 N	145.7 W	15	5.6	GULF OF ALASKA. MAG. 6.2 (PAS), 5 3/4-6 (BRK), 6 1/4-6 1/2 (PAL).
30	07 37 01*	59.7 N	145.3 W	33	4.2	GULF OF ALASKA.
30	07 52 44*	59.9 N	146.5 W	20	4.0	GULF OF ALASKA.
30	07 56 29.1	56.3 N	154.4 W	20	5.0	KODIAK ISLAND REGION.
30	08 34 37.3	57.0 N	152.6 W	20	4.2	KODIAK ISLAND REGION.
30	08 40 10.7	56.5 N	153.0 W	20	4.3	KODIAK ISLAND REGION.
30	08 53 17.9	56.2 N	153.1 W	33	4.3	KODIAK ISLAND REGION.
30	09 23 05.0	59.9 N	145.6 W	33	4.5	GULF OF ALASKA.
30	09 57 32.5	60.9 N	145.1 W	15	4.6	SOUTHERN ALASKA.
30	10 15 51.7	60.4 N	146.6 W	15	4.4	SOUTHERN ALASKA.
30	10 31 22.0	60.5 N	149.6 W	30	4.4	KENAI PENINSULA, ALASKA.
30	10 35 42*	60.4 N	146.9 W	33	3.8	SOUTHERN ALASKA.
30	10 47 06*	61.5 N	146.8 W	35	4.3	SOUTHERN ALASKA.
30	10 59 27.6	58.4 N	149.2 W	25	5.0	GULF OF ALASKA.
30	11 05 47.4	60.4 N	146.8 W	15	4.4	SOUTHERN ALASKA.
30	11 35 18.8	61.5 N	147.9 W	25	4.4	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
30	11 48 40.4	56.4 N	152.5 W	20	5.2	KODIAK ISLAND REGION.
30	12 05 43.5	60.1 N	147.0 W	25	5.0	SOUTHERN ALASKA. MAG. 5.0 (PAS).
30	12 14 28.4	58.0 N	151.6 W	25	5.0	KODIAK ISLAND REGION.
30	12 22 24*	57.3 N	150.2 W	20	4.3	GULF OF ALASKA.
30	12 38 16.0	59.7 N	146.9 W	30	5.0	GULF OF ALASKA.
30	12 55 12.5	59.7 N	147.0 W	30	4.6	GULF OF ALASKA.
30	13 03 34.9	56.5 N	152.7 W	20	5.3	KODIAK ISLAND REGION. MAG. 5.3 (PAS), 4 3/4-5 (BRK), 5 1/2-5 3/4 (PAL).
30	13 18 24*	56.8 N	152.5 W	15	4.1	KODIAK ISLAND REGION.
30	13 32 18.5	56.4 N	152.6 W	15	4.8	KODIAK ISLAND REGION.
30	13 41 02*	60.5 N	146.6 W	15	4.2	SOUTHERN ALASKA.
30	13 51 03*	56.6 N	151.9 W	33	4.0	KODIAK ISLAND REGION.
30	13 58 20*	60.2 N	145.5 W	33	3.9	SOUTHERN ALASKA.
30	14 10 48.6	57.4 N	152.3 W	30	5.1	KODIAK ISLAND REGION.
30	14 25 16.0	60.4 N	147.3 W	33	4.3	SOUTHERN ALASKA.
30	14 53 17*	60.0 N	146.8 W	25	4.1	SOUTHERN ALASKA.
30	15 07 49.3	58.7 N	149.6 W	25	5.3	GULF OF ALASKA.
30	15 46 13*	57.7 N	151.8 W	33	4.2	KODIAK ISLAND REGION.
30	16 09 28.4	56.6 N	152.1 W	25	5.5	KODIAK ISLAND REGION. MAG. 5.5 (PAS), 5 1/2-5 3/4 (BRK), 5 3/4-6 (PAL).
30	16 38 26.5	60.1 N	150.7 W	15	4.4	KENAI PENINSULA, ALASKA.
30	16 53 07.7	56.6 N	152.2 W	15	5.0	KODIAK ISLAND REGION.
30	17 04 21*	56.7 N	152.5 W	33	4.3	KODIAK ISLAND REGION.
30	17 16 06.7	59.6 N	146.5 W	33	4.2	GULF OF ALASKA.
30	17 22 06.2	60.7 N	145.5 W	15	4.6	SOUTHERN ALASKA.
30	17 41 13.4	61.5 N	150.0 W	40	4.3	SOUTHERN ALASKA.
30	18 42 03.4	24.2 S	176.4 W	33	4.6	SOUTH OF FIJI ISLANDS.
30	19 18 21*	60.5 N	143.8 W	15	4.7	SOUTHERN ALASKA.
30	19 21 49*	55.1 N	168.6 W	30	4.2	FOX ISLANDS, ALEUTIAN ISLANDS.
30	19 55 18.2	57.9 N	151.1 W	30	4.5	KODIAK ISLAND REGION.
30	20 32 46.8	59.4 N	145.1 W	15	4.5	GULF OF ALASKA.
30	21 32 14.9	59.9 N	147.6 W	33	4.5	GULF OF ALASKA.
30	22 05 03.9	60.2 N	145.5 W	15	4.4	SOUTHERN ALASKA.
30	22 21 25.2	60.3 N	146.9 W	15	4.7	SOUTHERN ALASKA.
30	22 37 14.4	58.4 N	149.8 W	33	4.6	GULF OF ALASKA.
30	23 03 34.5	57.3 N	152.7 W	20	5.0	KODIAK ISLAND REGION.
30	23 33 31.6	56.1 N	153.0 W	33	4.1	KODIAK ISLAND REGION.
30	23 51 46.0	59.6 N	147.4 W	33	4.6	GULF OF ALASKA.
31	00 14 11.7	45.3 N	151.0 E	60	5.3	KURILE ISLANDS. MAG. 5 1/2-5 3/4 (PAL).

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
31	00 44 53*	59.5 N	146.3 W	15	4.5	GULF OF ALASKA.
31	01 17 11.3	58.8 N	148.9 W	20	4.4	GULF OF ALASKA.
31	01 40 54.5	60.3 N	145.3 W	15	4.5	SOUTHERN ALASKA.
31	01 57 54.3	57.6 N	150.1 W	20	4.8	GULF OF ALASKA.
31	02 11 07.1	43.6 N	126.6 W	33	4.5	OFF COAST OF OREGON.
31	02 43 35.6	56.7 N	154.0 W	20	4.7	KODIAK ISLAND REGION.
31	02 45 26.9	59.7 N	149.8 W	10	4.7	KENAI PENINSULA, ALASKA.
31	04 04 48.5	59.1 N	148.4 W	20	4.2	KENAI PENINSULA, ALASKA.
31	04 20 16.3	60.3 N	146.3 W	5	4.9	SOUTHERN ALASKA.
31	04 46 06.1	57.6 N	151.2 W	33	4.7	KODIAK ISLAND REGION.
31	05 42 22.4	56.2 N	153.4 W	33	4.3	KODIAK ISLAND REGION.
31	06 28 59.1	59.6 N	146.4 W	33	4.1	GULF OF ALASKA.
31	07 08 54.5	58.3 N	149.3 W	20	4.5	GULF OF ALASKA.
31	07 15 10.6	59.8 N	148.0 W	33	3.9	KENAI PENINSULA, ALASKA.
31	08 05 50.0	60.2 N	147.6 W	35	4.3	SOUTHERN ALASKA.
31	08 40 52.2	59.8 N	148.6 W	36	4.7	KENAI PENINSULA, ALASKA.
31	09 01 30.2	50.8 N	130.2 W	15	5.6	VANCOUVER ISLAND REGION. MAG. 6 (PAS), 6-6 1/4 (BRK), 6 1/2-6 3/4 (PAL).
31	09 33 11.5	36.3 N	28.8 E	57	4.7	DODECANESE ISLANDS.
31	09 52 32.8	57.8 N	152.2 W	15	4.1	KODIAK ISLAND REGION.
31	10 13 29.1	58.8 N	148.4 W	20	4.1	GULF OF ALASKA.
31	11 03 35.4	58.9 N	149.9 W	20	5.0	GULF OF ALASKA.
31	11 18 13.2	57.0 N	152.9 W	20	4.5	KODIAK ISLAND REGION.
31	11 19 18*	60.0 N	146.5 W	15	4.9	SOUTHERN ALASKA.
31	11 24 57.4	58.2 N	150.3 W	33	4.3	GULF OF ALASKA.
31	11 52 13.9	60.1 N	146.4 W	15	4.4	SOUTHERN ALASKA.
31	11 53 14.4	56.5 N	152.3 W	25	4.8	KODIAK ISLAND REGION.
31	12 30 35.7	58.4 N	150.9 W	25	3.8	GULF OF ALASKA.
31	12 40 32*	59.6 N	148.1 W	33	4.2	KENAI PENINSULA, ALASKA.
31	12 53 43.6	56.7 N	152.2 W	33	4.3	KODIAK ISLAND REGION.
31	15 20 28.9	22.8 S	66.8 W	219	4.5	JUJUY PROVINCE, ARGENTINA.
31	15 53 51.4	57.0 N	152.6 W	33	4.4	KODIAK ISLAND REGION.
31	16 32 07.2	57.3 N	152.0 W	33	4.3	KODIAK ISLAND REGION.
31	16 43 45.5	59.7 N	148.7 W	33	4.6	KENAI PENINSULA, ALASKA.
31	17 04 39.0	17.7 S	178.8 W	540	4.4	FIJI ISLANDS REGION.
31	18 20 33*	57.1 N	150.6 W	33	4.2	GULF OF ALASKA.
31	18 30 21*	58.5 N	150.0 W	33	4.3	GULF OF ALASKA.
31	18 37 36.8	60.4 N	146.0 W	33	4.8	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
31	20 29 40.8	57.3 N	150.7 W	33	4.3	GULF OF ALASKA.
31	21 04 01.1	58.2 N	150.3 W	20	5.2	GULF OF ALASKA.
31	21 12 32.5	58.5 N	150.6 W	33	4.6	GULF OF ALASKA.
31	21 20 38.2	56.3 N	152.7 W	15	4.6	KODIAK ISLAND REGION.
31	22 50 37*	56.8 N	152.2 W	33	3.9	KODIAK ISLAND REGION.
31	23 36 56.0	59.9 N	145.8 W	30	4.8	GULF OF ALASKA.

Date and Station	Phase	Phase (GCT) h m s
MAR 01		
COL	EP	00 19 31.0
BUT	EP	00 19 49.0
HHM	E(P)	00 20 24.0
MAR 01		
H-02 40 21.6		
7.1S 155.4E		
h ABOUT 100KM		
EUR	EP	02 53 27.3
MAR 01		
H-04 05 39.9		
45.9N 142.1E		
h ABOUT 275KM		
COL	IP	04 13 02.0
ALQ	EP	04 17 13.0
MAR 01		
SJP	EP	06 21 08.5
MAR 01		
H-08 02 03.8		
18.8N 120.6E		
h ABOUT 050KM		
COL	EP	08 13 34.0
MAR 01		
TUC	E(P)	11 03 18.0
BCN	E(P)	11 03 41.2
	EL	05 08.7
EUR	EP	11 04 17.3
ALQ	E(P)	11 04 27.0
MAR 01		
H-11 22 22.9		
45.3N 150.6E		
h ABOUT 033KM		
EUR	EP	11 33 05.5
ALQ	EP	11 34 02.0
MAR 01		
EUR	IP	13 35 20.0
MAR 01		
GUA	E(P)	14 24 35.1
	E	24 53.0
MAR 01		
EUR	IP	14 24 54.4
MAR 01		
SJP	E(P)	15 40 34.0
MAR 01		
SLC	E(P)	18 49 32.5
MAR 01		
GUA	EP	19 05 01.0
MAR 01		
ALQ	E(P)	20 16 50.0
	I	17 28.0
MAR 01		
GUA	EP	21 21 42.2
	E	22 02.5
MAR 01		
EUR	IP	22 23 51.7
MAR 01		
TUC	EP	23 18 46.8
BCN	E(P)	23 19 42.2
	EL	21 03.2
EUR	EP	23 20 36.6
	IL	22 59.8
ALQ	E(P)	23 20 34.0
MAR 02		
EUR	EP	01 49 42.8
	EL	50 16.3
MAR 02		
FGU	IP	03 18 42.7
MAR 02		
COL	EP	03 30 13.0
MAR 02		
SJP	EP	03 38 32.5
	ES	38 52.0
MAR 02		
EUR	E(P)	03 50 46.0
MAR 02		
SJP	IP	06 06 22.3
	IS	06 25.3
MAR 02		
H-07 29 23.4		
39.6N 111.9W		
h ABOUT 033KM		
SLC	IP	07 29 43.4
FGU	IP C	07 30 01.6
	I	30 18.8
	IL	30 31.8
GCA	IP	07 30 06.2
EUR	IP	07 30 13.0
	IL	31 07.1
ALQ	E(P)	07 30 55.0
MAR 02		
H-10 55 44.2		
17.8N 067.1W		
h ABOUT 033KM		
SJP	IP C	10 56 02.6
	IL	56 30.1
ALQ	E(P)	11 03 09.5
MAR 02		
H-11 57 16.8		
23.5S 116.6W		
h ABOUT 033KM		
TUC	EP	12 06 53.8
ALQ	IP	12 07 16.0
BCN	EP	12 07 18.5
EUR	IP	12 07 42.2
FGU	E(P)	12 07 52.5
RCD	IP	12 08 18.0
	E	08 24.0
BOZ	EP	12 08 20.0
HHM	EP	12 08 36.0
COL	EP	12 10 20.0
MAR 02		
TUC	EP	12 30 53.8
MAR 02		
H-12 39 17.6		
13.9N 091.1W		
h ABOUT 130KM		
CSC	EP	12 44 02.0
ALQ	IP	12 44 32.5
	E	44 58.0
TUC	IP C	12 44 37.0
	PCP	48 07.5
	E	49 20.0
	SCP	51 45.2
	EL	52 49.0
BCN	EP	12 45 16.0
	E	45 33.0
	E	47 55.1
	EPCP	48 16.1
FGU	E(P)	12 45 22.5
	E	45 27.5
SLC	EP	12 45 35.8
EUR	IP	12 45 48.0
BOZ	E(P)	12 46 09.0
	IPCP	48 34.0
COL	EP	12 49 37.0
	EPCP	50 13.5
MAR 02		
GUA	EP	13 23 13.3
MAR 02		
SJP	IP C	14 29 30.6
	IS	29 59.0
ALQ	EP	14 36 37.0
MAR 02		
TUC	EP	15 31 31.5
MAR 02		
TUC	EP	15 32 30.4
MAR 02		
H-16 09 46.1		
12.5N 088.0W		
h ABOUT 063KM		
ALQ	IP	16 15 33.0
TUC	E(P)	16 15 45.4
	PCP	18 50.6
EUR	EP	16 16 48.8
BOZ	IP	16 17 06.5
	I▸P	32 20.0
HHM	EP	16 17 31.0
	E▸P	17 46.0
COL	IP	16 20 28.1
	I▸P	20 42.5
MAR 02		
H-16 16 10.7		
55.4N 166.6E		
h ABOUT 033KM		
COL	IP	16 21 24.0
BOZ	EP	16 25 04.0
EUR	EP	16 25 19.6
ALQ	IP	16 26 19.0
MAR 02		
SJP	IP C	17 07 32.0
	IS	08 00.0
MAR 02		
H-17 19 58.4		
01.7S 077.5W		
h ABOUT 082KM		
ALQ	IP	17 28 12.0
	E	28 19.0
	E	28 24.0
TUC	EP	17 28 17.8
EUR	EP	17 29 17.1
BOZ	IP	17 29 30.0
	E	30 12.5
HHM	EP	17 29 51.0
COL	IP	17 32 17.0
MAR 02		
ALQ	IP	17 57 12.5
	IL	57 52.0
MAR 02		
EUR	IP	18 32 54.6
	IS	33 11.6
MAR 02		
H-18 39 12.2		
41.1N 142.6E		
h ABOUT 029KM		

Date and Station	Phase (GCT)
	h m s
COL IP	18 47 29.4
I	47 39.0
I	47 45.2
HHM EP	18 50 12.1
BOZ EP	18 50 30.5
EUR IP	18 50 39.4
MAR 02	
EUR IP	19 29 39.9
MAR 02	
H-19 32 41.7	
18.9S 174.8W	
h ABOUT 105KM	
KIP EP	19 40 32.0
ES	46 57.0
EL	50 17.0
HON EP	19 40 35.0
ES	46 54.0
GUA IP	19 41 36.2
BCN EP	19 44 34.9
E▸P	45 12.4
TUC EP	19 44 39.6
E	45 22.0
E(S)	54 32.0
EUR I(P)	19 44 41.0
SLC IP	19 44 58.8
ALQ IP	19 45 02.0
E▸P	45 39.0
FGU IP	19 45 07.7
COL IP	19 45 10.7
I▸P	45 48.0
ES	55 29.5
HHM IP	19 45 11.0
BOZ EP	19 45 11.2
E▸P	45 48.0
MAR 02	
FGU E(P)	19 38 31.7
HHM E(P)	19 40 29.0
ES	41 08.0
MAR 02	
COL IP	19 41 23.5
E	41 37.0
MAR 02	
EUR IP	22 26 34.4
IS	26 54.0
MAR 03	
SJP E(P)	00 45 47.5
EL	46 40.5
MAR 03	
H-01 24 17.0	
18.8S 177.7W	
h ABOUT 552KM	

Date and Station	Phase (GCT)
	h m s
TUC EP	01 35 39.7
ALQ EP	01 36 01.0
MAR 03	
ALQ EP	01 27 05.0
IL	27 39.0
MAR 03	
TUC E(P)	02 34 15.5
MAR 03	
FGU E(P)	03 25 43.8
ES	26 14.3
MAR 03	
TUC E(P)	04 00 25.6
MAR 03	
GUA E(P)	05 37 51.0
MAR 03	
BOZ E(P)	06 07 20.0
ES	07 50.0
FGU E(P)	06 07 31.9
ES	08 02.9
MAR 03	
ALQ E(P)	06 53 38.0
MAR 03	
H-07 04 15.2	
43.8N 128.4W	
h ABOUT 033KM	
EUR EP	07 06 42.5
BOZ EP	07 07 08.0
RCD IP	07 08 29.0
ALQ IP	07 08 37.5
MAR 03	
GUA EP	08 05 01.0
MAR 03	
H-09 00 41.3	
42.4N 142.2E	
h ABOUT 033KM	
COL IP	09 08 50.0
BOZ EP	09 11 54.0
ALQ E(P)	09 12 54.0
MAR 03	
COL IP	11 37 57.7
MAR 03	
FGU E(P)	12 59 26.3
ES	59 54.3
MAR 03	
COL EP	14 25 33.0
MAR 03	
EUR EP	16 11 53.7

Date and Station	Phase (GCT)
	h m s
MAR 03	
H-17 03 54.7	
45.3N 153.7E	
h ABOUT 033KM	
COL IP	17 11 02.3
E	11 21.0
MAR 03	
EUR EP	17 14 24.0
BOZ EP	17 14 51.0
MAR 03	
H-17 20 55.5	
06.0S 154.6E	
h ABOUT 422KM	
COL IP	17 32 32.3
EUR IP	17 33 26.0
MAR 03	
FGU IP	17 37 02.5
IS	37 23.0
MAR 03	
TUC IP	17 59 17.4
IS	59 36.4
MAR 03	
RCD IP	18 58 30.0
MAR 03	
H-19 37 06.7	
37.3N 140.9E	
h ABOUT 080KM	
BOZ E(P)	19 48 40.0
E	48 54.5
EUR E(P)	19 48 48.5
I	49 02.5
MAR 03	
H-20 02 33.1	
40.3N 125.1W	
h ABOUT 033KM	
UKI IP C	20 03 03.3
EUR IP	20 04 16.0
IL	06 03.0
BOZ EP	20 05 12.8
E	06 35.0
FGU E(P)	20 05 24.3
TUC E(P)	20 05 49.0
RCD IP	20 06 24.0
MAR 03	
GUA EP	21 18 10.5
ES	18 36.2
MAR 03	
EUR EP	21 39 05.0
EL	39 50.0
GCA IP	21 40 10.6

Date and Station	Phase (GCT)
	h m s
MAR 03	
H-21 39 31.0	
04.8N 125.5E	
h ABOUT 077KM	
GUA EP	21 44 12.7
COL EP	21 51 56.0
MAR 03	
TUC IP	22 08 47.0
EUR EP	22 09 03.5
E	09 16.2
MAR 04	
KIP E	00 41 45.0
MAR 04	
H-00 48 09.2	
44.1N 030.4W	
h ABOUT 033KM	
EUR EP	00 58 25.8
MAR 04	
H-01 17 25.7	
43.9N 029.7W	
h ABOUT 033KM	
FGU E(P)	01 27 08.5
EUR EP	01 27 43.0
MAR 04	
H-02 58 29.2	
43.6N 028.9W	
h ABOUT 033KM	
BOZ EP	03 08 08.2
FGU E(P)	03 08 16.0
EUR EP	03 08 50.8
TUC EP	03 08 55.6
MAR 04	
TUC EP	03 11 18.8
MAR 04	
H-03 17 22.7	
20.9S 168.6E	
h ABOUT 033KM	
COL EP	03 30 26.0
EUR EP	03 30 30.8
E	30 44.3
MAR 04	
H-04 06 27.6	
07.1S 129.5E	
h ABOUT 120KM	
COL EP	04 19 29.0
EUR EP'	04 24 53.2
TUC EP'	04 25 05.0

Date and Station	Phase	(GCT) h m s
MAR 04		
H-05 03 38.1		
53.8N 167.9W		
h ABOUT 033KM		
COL	E(P)	05 07 10.0
EUR	EP	05 10 51.0
MAR 04		
H-06 08 58.6		
33.8S 179.6W		
h ABOUT 047KM		
TUC	E(P)	06 22 05.0
MAR 04		
COL	EP	06 28 20.0
MAR 04		
BOZ	EP	11 26 09.5
MAR 04		
COL	EP	12 25 21.0
MAR 04		
BOZ	EP	12 48 42.9
HHM	EP	12 48 43.1
EUR	EP	12 49 25.2
TUC	E(P)	12 49 27.0
MAR 04		
H-12 59 10.4		
42.5N 029.0W		
h ABOUT 033KM		
BOZ	E(P)	13 08 50.0
FGU	EP	13 09 00.0
EUR	E(P)	13 09 38.5
TUC	E(P)	13 09 42.5
MAR 04		
H-13 11 16.4		
25.8N 110.5W		
h ABOUT 033KM		
TUC	EP	13 12 50.4
EUR	E(P)	13 14 43.7
MAR 04		
FGU	IP	13 39 04.2
	IS	39 17.2
MAR 04		
H-16 16 30.9		
43.6N 029.3W		
h ABOUT 033KM		
HHM	EP	16 26 10.0
FGU	EP	16 26 16.4
EUR	EP	16 26 51.5
TUC	EP	16 26 55.6
BCN	EP	16 26 59.8

Date and Station	Phase	(GCT) h m s
MAR 04		
H-17 02 59.8		
10.9S 164.5E		
h ABOUT 033KM		
COL	EP	17 15 24.0
MAR 04		
H-17 33 43.3		
43.3N 046.1E		
h ABOUT 058KM		
COL	EP	17 45 00.0
HHM	E(P)	17 46 24.0
MAR 04		
COL	EP	17 53 12.0
MAR 04		
GUA	EP	17 56 20.0
MAR 04		
FGU	EP	18 04 42.4
	ES	05 04.1
MAR 04		
COL	EP	18 45 41.0
RCD	IP	18 47 04.0
MAR 04		
BCN	IP D	18 52 12.2
	IS	52 32.2
MAR 04		
COL	EP	19 38 49.0
MAR 04		
GCA	EP	19 51 40.4
	I	51 48.4
MAR 04		
FGU	E(P)	21 02 32.9
MAR 04		
EUR	IP	22 26 28.8
	IS	26 40.3
MAR 04		
H-22 34 06.3		
6.8S 129.8E		
h ABOUT 108KM		
COL	EP	22 47 07.0
EUR	EP'	22 52 30.5
MAR 04		
HHM	EP	22 48 55.8
	E	48 21.8
MAR 04		
H-23 34 22.5		
19.3S 175.6W		
h ABOUT 222KM		
TUC	EP	23 46 13.0
COL	EP	23 46 40.0

Date and Station	Phase	(GCT) h m s
MAR 05		
H-00 01 19.6		
11.5N 126.0E		
h ABOUT 040KM		
COL	EP	00 13 15.0
MAR 05		
COL	EP	00 12 28.0
MAR 05		
EUR	IP	00 41 53.7
	IS	42 15.6
MAR 05		
BCN	IP	00 42 00.4
	IS	42 05.9
MAR 05		
BCN	I(P)	00 43 55.0
MAR 05		
H-02 23 49.9		
50.6N 156.5E		
h ABOUT 060KM		
COL	IP	02 30 09.6
BOZ	EP	02 33 36.0
	E	34 32.0
EUR	IP	02 33 48.4
	I>P	34 04.9
TUC	EP	02 34 41.0
	E>P	34 57.4
MAR 05		
H-03 42 34.7		
18.9S 169.4E		
h ABOUT 249KM		
TUC	E(P)	03 55 15.5
MAR 05		
TUC	E(P)	04 11 50.4
MAR 05		
BCN	IP C	04 58 04.5
	IS	58 07.5
MAR 05		
H-06 00 41.3		
45.2S 096.4E		
h ABOUT 040KM		
SJP	EP'	06 20 26.3
BCN	EP'	06 20 35.0
	E	20 44.5
EUR	EP'	06 20 35.7
TUC	EP'	06 20 36.0
HHM	EP'	06 20 39.0
RCD	EP'	06 20 47.0
FGU	EP'	06 21 22.7
MAR 05		
EUR	EP	06 01 23.5

Date and Station	Phase	(GCT) h m s
TUC	EP	06 01 26.0
MAR 05		
COL	IP	07 10 02.4
	E	10 16.0
MAR 05		
COL	EP	07 17 03.0
	E	17 16.8
HHM	EP	07 20 11.6
MAR 05		
BOZ	EP	09 32 52.0
TUC	E(P)	09 33 39.4
MAR 05		
H-10 01 41.5		
11.3S 162.4E		
h ABOUT 033KM		
COL	EP	10 14 11.0
EUR	EP	10 14 42.9
BOZ	E(P)	10 15 03.0
MAR 05		
H-10 05 37.2		
11.2S 162.2E		
h ABOUT 038KM		
COL	IP	10 18 06.4
BCN	E(P)	10 18 37.4
EUR	IP	10 18 37.9
TUC	E(P)	10 18 50.0
BOZ	EP	10 18 59.2
HON	ES	10 22 04.0
	EL	28 30.0
MAR 05		
TUC	E(P)	10 29 51.6
MAR 05		
H-11 42 21.8		
40.3N 127.7W		
h ABOUT 033KM		
UKI	EP C	11 43 17.0
	EL	43 57.5
EUR	EP	11 44 34.0
	E	44 41.0
BOZ	E(P)	11 45 25.0
TUC	E(P)	11 46 08.0
MAR 05		
H-12 40 52.9		
39.2N 114.2W		
h ABOUT 033KM		
EUR	IP	12 41 16.4
	IS	41 35.6
GCA	EP	12 41 39.3

Date and Station	Phase (GCT)
	h m s
BCN E(P)	12 41 41.8
I	41 48.3
ES	42 16.3
IL	42 28.3
FGU EP	12 41 56.2
MAR 05	
COL EP	14 27 40.0
IL	28 43.5
MAR 05	
H-14 30 18.2	
12.1N 088.1W	
h ABOUT 053KM	
TUC EP	14 36 18.2
FGU IP	14 37 01.5
BOZ EP	14 37 40.5
MAR 05	
GUA EP	14 40 59.2
MAR 05	
BOZ E(P)	15 47 30.0
MAR 05	
TUC EP	15 55 23.3
MAR 05	
COL EP	16 36 21.5
MAR 05	
GCA IP C	17 21 26.7
IS	22 02.0
MAR 05	
GUA IP	18 14 24.9
IS	14 36.0
MAR 05	
GCA IP	18 42 06.5
I	42 09.0
MAR 05	
EUR IP	19 33 40.8
IS	34 03.0
MAR 05	
EUR EP	19 56 01.9
MAR 05	
H-20 31 57.4	
16.4S 173.0W	
h ABOUT 033KM	
TUC EP	20 43 49.0
EUR EP	20 43 49.2
FGU E(P)	20 44 18.2
BOZ EP	20 44 22.0
COL IP	20 44 22.2
HON E	20 45 54.0
EL	49 18.0
MAR 05	
EUR EP	20 34 34.1
IL	35 10.1

Date and Station	Phase (GCT)
	h m s
MAR 05	
TUC EP	21 28 14.0
MAR 05	
TUC E(P)	21 34 24.0
I	34 29.5
MAR 05	
TUC EP	21 49 17.6
MAR 05	
H-22 27 22.7	
52.8N 170.0W	
h ABOUT 033KM	
COL EP	22 31 14.0
MAR 05	
FGU IP	22 38 43.2
IS	39 07.0
MAR 05	
FGU IP C	22 58 06.5
IS	58 29.0
BOZ E(P)	22 58 37.0
MAR 05	
TUC E(P)	23 00 03.0
MAR 05	
TUC EP	23 08 37.5
MAR 05	
TUC E(P)	23 21 53.4
MAR 05	
COL EP	23 58 33.0
MAR 06	
SJP EP	00 04 03.0
MAR 06	
GUA EP	01 38 47.1
MAR 06	
H-02 36 36.3	
41.1N 142.5E	
h ABOUT 034KM	
COL IP C	02 44 52.3
HHM EP	02 47 35.6
BOZ EP	02 47 53.5
I▸P	47 59.9
EUR IP	02 48 03.2
I▸P	48 09.2
FGU E(P)	02 48 18.5
TUC EP	02 48 47.0
MAR 06	
H-02 55 11.9	
12.4N 087.6W	
h ABOUT 100KM	
TUC E(P)	03 01 12.4
FGU EP	03 01 50.5

Date and Station	Phase (GCT)
	h m s
MAR 06	
GUA IP	03 50 39.1
ES	50 59.1
MAR 06	
GUA E(P)	07 45 05.5
MAR 06	
COL IP	07 57 02.0
IS	57 15.0
MAR 06	
BOZ E(P)	08 37 19.0
ES	37 50.0
EUR EP	08 37 51.0
EL	38 51.5
MAR 06	
TUC E(P)	09 00 13.0
MAR 06	
TUC E(P)	10 43 31.4
MAR 06	
TUC E(P)	11 25 07.5
MAR 06	
TUC E(P)	13 31 23.5
MAR 06	
TUC EP	14 14 18.3
MAR 06	
RCD EP	14 23 28.0
MAR 06	
EUR EP	16 00 37.4
EL	01 28.0
MAR 06	
BOZ EP	18 53 36.0
IL	54 16.5
EUR EP	18 54 12.1
MAR 06	
H-18 57 16.1	
06.1S 154.4E	
h ABOUT 074KM	
GUA EP	19 02 01.5
COL IP	19 09 28.9
I	09 31.0
EUR IP	19 10 24.9
I	10 46.4
BCN EP	19 10 28.1
EPP	14 33.1
HON ES	19 14 12.0
E	17 54.0
EL	19 51.0
KIP ES	19 14 12.0
EL	19 52.0
MAR 06	
FGU IP	20 12 45.4
IS	13 06.1

Date and Station	Phase (GCT)
	h m s
MAR 06	
H-21 05 50.2	
19.7S 070.5W	
h ABOUT 050KM	
SJP EP	21 13 03.0
EsP	13 20.5
CSC IP	21 15 13.0
TUC IP C	21 16 24.8
I▸P	16 36.8
GCA EP	21 16 50.0
BCN EP	21 16 56.8
RCD EP	21 17 01.0
FGU IP	21 17 01.1
SLC IP	21 17 07.6
EUR IP	21 17 16.0
I▸P	17 27.5
BOZ IP	21 17 28.5
I▸P	17 40.0
BUT EP	21 17 33.3
COL EP	21 19 41.0
MAR 06	
FGU E(P)	21 44 57.1
MAR 06	
TUC E(P)	21 48 15.0
MAR 06	
HHM E(P)	22 49 25.0
ES	50 05.0
MAR 06	
H-23 51 28.5	
22.9S 173.1E	
h ABOUT 054KM	
EUR IP	24 04 27.2
TUC EP	24 04 28.4
COL EP	24 04 33.0
E	04 45.5
MAR 07	
FGU EP	00 36 56.4
ES	37 25.5
MAR 07	
TUC E(P)	00 49 27.0
MAR 07	
H-01 46 21.1	
21.4S 179.3W	
h ABOUT 593KM	
EUR EP	01 57 55.0
COL IP	01 58 15.1
MAR 07	
COL EP	02 49 27.0

Date and Station	Phase	(GCT) h m s
MAR 07		
EUR	EP	03 09 57.0
	EL	10 26.5
MAR 07		
H-03 34 25.2		
20.2S 177.8W		
h ABOUT 481KM		
EUR	EP	03 45 59.9
COL	IP	03 46 22.0
BOZ	EP	03 46 28.0
MAR 07		
SIT	E(P)	03 35 31.0
	I	35 37.5
MAR 07		
BCN	IP C	03 42 19.7
MAT 07		
COL	EP	06 12 05.5
	EL	13 29.0
MAR 07		
SJP	EP	07 04 52.7
	EL	05 49.0
MAR 07		
H-07 25 03.9		
3.5N 097.1E		
h ABOUT 082KM		
BOZ	EP'	07 43 56.3
EUR	IP'	07 44 01.8
FGU	EP'	07 44 05.7
TUC	EP'	07 44 15.5
MAR 07		
H-07 44 08.1		
71.7N 001.4W		
h ABOUT 033KM		
COL	EP	07 51 57.0
EUR	E(P)	07 54 14.0
MAR 07		
TUC	E(P)	08 28 53.0
BCN	E(P)	08 29 00.3
	EL	29 30.3
EUR	E(P)	08 30 31.5
MAR 07		
SJP	EP	10 31 27.3
	EL	32 09.0
MAR 07		
COL	EP	10 50 03.0
MAR 07		
H-13 09 17.0		
26.1N 125.5E		
h ABOUT 161KM		
COL	EP	13 19 44.0
MAR 07		
RCD	E(P)	15 04 12.0
	E	07 50.0
MAR 07		
EUR	EP	15 14 23.5
MAR 07		
TUC	EP	15 46 45.0
MAR 07		
EUR	EP	21 03 33.2
MAR 07		
H-21 06 06.9		
05.6S 152.7E		
h ABOUT 062KM		
COL	EP	21 18 23.0
	E	18 33.0
EUR	E(P)	21 19 23.0
MAR 07		
COL	EP	21 23 34.0
	E	23 39.0
MAR 07		
TUC	EP	21 58 12.9
MAR 07		
BCN	EP	22 47 53.4
	ES	48 21.4
TUC	E(P)	22 48 09.0
	E(L)	48 50.0
MAR 07		
COL	IP D	22 52 59.9
	IS	53 57.0
MAR 07		
BCN	E(P)	22 49 43.6
EUR	EP	22 49 46.7
MAR 07		
BCN	E(P)	22 49 58.8
MAR 07		
BOZ	EP	22 58 26.0
	IL	58 37.0
MAR 07		
H-23 06 27.7		
61.6N 151.4W		
h ABOUT 072KM		
COL	IP	23 07 23.9
BOZ	EP	23 12 12.0
EUR	EP	23 12 40.6
FGU	IP	23 12 54.0
MAR 07		
H-23 13 25.4		
19.9S 177.9W		
h ABOUT 534KM		
EUR	IP	23 24 53.8
TUC	IP	23 24 54.5
COL	IP	23 25 15.8
	EP	27 19.2
FGU	EP	23 25 18.5
BOZ	EP	23 25 22.5
MAR 07		
BCN	E(P)	23 25 04.2
	EL	27 42.2
MAR 07		
TUC	EP	23 51 58.4
MAR 08		
EUR	IP	01 29 07.7
	IL	29 29.2
MAR 08		
H-01 35 48.1		
44.0S 168.4E		
h ABOUT 033KM		
HON	EP	01 47 13.0
	EL	02 09 45.0
KIP	EP	01 47 13.0
BOZ	EP'	01 54 21.0
COL	EP'	01 54 22.0
MAR 08		
COL	EP	01 58 14.0
MAR 08		
TUC	E(P)	02 05 54.5
MAR 08		
COL	EP	02 16 07.0
MAR 08		
BHP	EP	02 24 00.0
MAR 08		
GUA	E(P)	02 24 02.1
MAR 08		
GUA	EP	02 39 25.0
MAR 08		
H-04 55 28.1		
60.4N 153.3W		
h ABOUT 158KM		
COL	IP	04 56 45.5
SIT	E(P)	04 57 46.5
	E	57 50.0
HHM	E(P)	05 00 42.0
BOZ	EP	05 01 11.0
EUR	EP	05 01 34.4
	IPCP	04 23.5
	ISCP	07 51.4
FGU	IP	05 01 51.2
KIP	ES	05 02 54.0
TUC	EP	05 02 44.5
MAR 08		
COL	EP	06 15 08.0
MAR 08		
BHP	IP	10 10 27.0
	IS	10 36.0
MAR 08		
BOZ	EP	10 13 34.0
	ES	13 46.0
MAR 08		
H-10 37 19.9		
06.7S 125.9E		
h ABOUT 540KM		
EUR	EP'	10 55 03.4
FGU	IP'	10 55 11.6
TUC	EP'	10 55 14.4
MAR 08		
H-11 55 49.7		
46.0S 146.8E		
h ABOUT 033KM		
BOZ	EP'	12 12 35.0
MAR 08		
TUC	E(P)	15 16 07.2
MAR 08		
COL	EP	15 45 20.0
	EL	46 31.5
MAR 08		
H-16 25 27.3		
26.7S 112.0W		
h ABOUT 033KM		
TUC	E(P)	16 35 32.6
EUR	IP	16 36 13.8
MAR 08		
H-17 20 04.2		
51.7N 178.0E		
h ABOUT 033KM		
COL	EP	17 24 57.0
EUR	EP	17 28 29.0
MAR 08		
COL	EP	17 30 06.0
	EL	31 17.0
MAR 08		
H-17 39 34.6		
04.7S 152.7E		
h ABOUT 083KM		
GUA	EP	17 44 00.2
COL	IP	17 51 45.0
MAR 08		
H-17 44 01.8		
10.9S 161.8E		
h ABOUT 100KM		
COL	EP	17 56 24.0

Date and Station	Phase (GCT)
	h m s
EUR EP	17 56 56.0
MAR 08	
H-17 51 06.5	
4.6S 152.6E	
h ABOUT 069KM	
GUA EP	17 55 33.5
COL IP	18 03 18.3
EUR EP	18 04 19.0
MAR 08	
COL EP	18 26 15.0
MAR 08	
H-19 12 44.3	
21.0N 105.5W	
h ABOUT 033KM	
TUC EP	19 15 38.6
EUR EP	19 17 21.8
COL EP	19 21 52.0
MAR 08	
H-19 44 36.0	
21.3N 105.2W	
h ABOUT 033KM	
TUC EP	19 47 28.2
EUR EP	19 49 11.1
MAR 08	
TUC EP	22 14 47.2
MAR 08	
EUR EP	22 16 37.5
EL	17 36.0
MAR 08	
GUA E(P)	23 03 13.4
MAR 08	
H-23 05 04.6	
5.1S 151.3E	
h ABOUT 156KM	
EUR EP	23 18 12.5
MAR 09	
EUR IP	00 23 19.5
IL	23 42.5
MAR 09	
COL EP	00 49 53.0
MAR 09	
GUA E(P)	01 34 45.6
MAR 09	
H-02 06 30.8	
37.6N 118.4W	
h ABOUT 016KM	
EUR IP	02 07 14.7
IS	07 46.7
IL	07 56.2
BCN EP	02 07 24.3
I	07 30.0
ES	08 01.0
EL	08 12.8
TUC EP	02 08 31.0
MAR 09	
GUA E(P)	03 49 36.5
MAR 09	
SJP EP	05 59 51.5
EL	06 00 15.0
MAR 09	
H-09 48 49.8	
04.8N 032.8W	
h ABOUT 033KM	
RCD E(P)	10 00 15.0
TUC EP	10 00 43.7
HHM E(P)	10 01 00.0
EUR EP	10 01 07.5
MAR 09	
GCA EP	10 03 28.2
MAR 09	
H-10 27 33.1	
36.2N 071.5E	
h ABOUT 132KM	
COL IP	10 38 58.9
E▸P	39 27.0
MAR 09	
TUC EP	12 11 54.2
MAR 09	
TUC EP	12 21 25.5
MAR 09	
H-14 53 26.3	
61.4N 146.6W	
h ABOUT 033KM	
COL IP C	14 54 20.0
SIT E(P)	14 55 10.5
MAR 09	
BUT E(P)	15 51 21.0
E	52 00.0
MAR 09	
GUA E(P)	16 01 32.9
MAR 09	
TUC EP	16 41 06.0
MAR 09	
H-19 41 01.3	
36.5N 070.9E	
h ABOUT 181KM	
COL EP	19 52 21.5
E▸P	53 07.0
E&P	53 30.0
MAR 09	
COL EP	20 29 04.0
MAR 09	
FGU E(P)	20 46 27.0
E(S)	46 47.2
MAR 09	
H-20 49 55.8	
35.3N 118.7W	
h ABOUT 016KM	
BCN E(P)	20 50 45.8
ES	51 22.8
EL	51 31.8
EUR IP	20 51 07.9
I	51 20.0
IL	52 25.0
MAR 09	
COL EP	21 28 10.0
MAR 09	
GCA IP C	22 00 32.3
IS	00 38.0
MAR 10	
EUR EP	00 39 49.3
MAR 10	
BCN E(P)	01 56 44.9
EL	57 09.0
EUR EP	01 56 58.3
IL	57 35.7
MAR 10	
SJP IP	01 57 02.7
IS	57 27.0
MAR 10	
COL IP	06 28 39.5
MAR 10	
SJP IP	08 45 46.5
ES	46 09.0
MAR 10	
H-09 04 13.6	
19.2N 108.6W	
h ABOUT 033KM	
TUC EP	09 07 20.0
I	07 36.6
BCN EP	09 08 19.9
EUR IP	09 08 58.7
FGU E(P)	09 09 02.2
BOZ EP	09 09 49.5
MAR 10	
BOZ E(P)	09 34 25.0
EL	35 02.0
MAR 10	
COL IP	10 11 39.2
E▸P	11 47.3
MAR 10	
TUC E(P)	10 31 17.5
MAR 10	
H-11 26 57.4	
25.0S 069.2W	
h ABOUT 046KM	
TUC EP	11 38 02.6
MAR 10	
H-13 59 54.8	
01.9N 127.5E	
h ABOUT 117KM	
COL EP	14 12 22.0
EUR EP	14 14 21.1
EP'	18 13.5
TUC EP'	14 18 26.2
MAR 10	
BOZ EP	14 03 15.0
E	03 44.5
MAR 10	
COL EP	16 24 37.0
E	24 51.8
MAR 10	
GUA EP	17 00 48.9
ES	01 02.5
MAR 10	
BOZ EP	19 02 18.0
IL	02 27.5
MAR 10	
BCN IP	19 21 51.0
IS	22 02.5
MAR 10	
FGU EP	21 49 35.5
ES	49 56.4
MAR 10	
EUR IP	22 23 48.0
IS	24 05.0
MAR 10	
BOZ IP	22 58 24.2
IS	58 39.0
HHM E(P)	22 59 08.0
E	59 15.0
ES	59 55.0
MAR 10	
BCN IP	23 08 59.1
IS	09 06.6
MAR 10	
BHP IP	23 44 04.0
IS	44 11.0
MAR 11	
H-00 09 02.7	
42.5N 045.0E	
h ABOUT 029KM	
COL IP	00 20 27.5
MAR 11	
TUC EP	00 22 36.2

Date and Station	Phase (GCT) h m s
MAR 11	
COL EP	00 37 45.0
MAR 11	
H-01 06 00.4	
1.8N 127.1E	
h ABOUT 058KM	
COL EP	01 18 36.0
ES	28 59.0
BOZ EP'	01 24 27.0
ISKP	27 56.0
EUR IP'	01 24 28.3
EPP	24 55.8
EPKKP	35 33.2
BCN EP'	01 24 31.1
EPP	25 01.6
ESKP	27 59.1
FGU EP'	01 24 35.2
TUC EP'	01 24 38.5
EPKKP	35 10.0
HON ES	01 27 22.0
EL	40 38.0
MAR 11	
TUC EP	03 10 16.4
MAR 11	
COL EP	03 22 08.0
MAR 11	
COL EP	04 23 52.7
MAR 11	
H-04 59 45.6	
54.7N 169.9W	
h ABOUT 033KM	
COL EP	05 03 16.0
EUR EP	05 07 08.2
RCD E(P)	05 07 45.0
MAR 11	
H-05 50 51.9	
38.2S 074.3W	
h ABOUT 033KM	
TUC EP	06 02 47.8
FGU EP	06 03 26.3
EUR EP	06 03 31.8
MAR 11	
H-06 41 07.7	
57.9N 158.6W	
h ABOUT 127KM	
COL IP	06 43 12.1
IL	44 41.5
EUR EP	06 47 32.0
FGU EP	06 47 52.0

Date and Station	Phase (GCT) h m s
MAR 11	
H-07 19 29.1	
2.5S 076.6W	
h ABOUT 162KM	
TUC EP	07 27 48.0
MAR 11	
BCN EP	12 04 18.8
ES	04 35.0
MAR 11	
BCN EP	12 16 17.5
ES	16 30.5
MAR 11	
BHP IP	12 17 04.0
IS	17 45.0
MAR 11	
H-18 23 19.6	
31.9N 132.4E	
h ABOUT 033KM	
COL EP	18 33 06.0
EUR E(P)	18 35 53.5
FGU IP	18 36 08.4
TUC EP	18 36 30.8
MAR 11	
TUC IP	20 33 39.0
MAR 11	
FGU EP	21 15 59.6
MAR 11	
UKI E(P)	21 29 46.0
MAR 11	
GCA IP C	21 49 45.0
IS	50 07.9
MAR 11	
COL EP	22 01 48.0
MAR 11	
GCA IP	22 10 46.2
MAR 11	
BCN E(P)	22 44 21.6
ES	44 57.6
MAR 11	
FGU EP	22 57 23.8
MAR 11	
H-23 34 21.2	
27.7N 057.5E	
h ABOUT 042KM	
COL E(P)	23 47 04.0
MAR 12	
HHM IP	00 26 47.3
IS	26 52.3
MAR 12	
COL EP	03 32 27.0

Date and Station	Phase (GCT) h m s
MAR 12	
H-03 55 14.0	
23.4N 121.6E	
h ABOUT 033KM	
GUA IP	04 00 30.0
COL IP	04 06 21.0
HHM EP	04 08 26.4
RCD EPP	04 13 21.0
MAR 12	
COL EP	03 58 51.0
EL	59 44.0
MAR 12	
COL IP	04 08 58.2
MAR 12	
COL EP	04 12 52.5
E	13 00.0
MAR 12	
COL IP	04 22 18.2
MAR 12	
GUA E(P)	04 25 35.5
MAR 12	
H-04 30 21.1	
22.9S 179.2W	
h ABOUT 378KM	
TUC EP	04 42 18.4
COL EP	04 42 42.0
MAR 12	
EUR IP	04 42 00.6
IS	42 27.6
IL	42 38.1
BCN EP	04 42 08.0
EL	42 48.0
MAR 12	
TUC EP	05 34 15.4
MAR 12	
H-05 39 03.2	
05.2N 127.5E	
h ABOUT 033KM	
COL EP	05 51 27.0
MAR 12	
H-10 37 04.3	
21.9S 179.5W	
h ABOUT 561KM	
TUC EP	10 48 42.0
MAR 12	
COL EP	11 08 57.0
MAR 12	
GUA EP	11 54 00.5
MAR 12	
BOZ EP	12 40 43.3

Date and Station	Phase (GCT) h m s
MAR 12	
TUC EP	14 27 37.8
MAR 12	
TUC E(P)	16 04 40.5
I	04 45.3
MAR 12	
COL EP	16 44 44.0
MAR 12	
H-18 35 17.9	
20.1N 109.0W	
h ABOUT 033KM	
TUC EP	18 38 14.0
BCN E(P)	18 39 10.4
EUR EP	18 39 51.4
FGU EP	18 39 57.9
MAR 12	
COL IP	19 03 12.8
MAR 12	
COL EP	19 41 09.0
MAR 12	
H-22 32 56.7	
13.5N 122.9E	
h ABOUT 033KM	
COL EP	22 44 50.0
SJP EP'	22 52 42.0
E	53 05.2
MAR 12	
H-22 56 22.0	
05.6S 153.0E	
h ABOUT 040KM	
COL EP	23 08 40.0
MAR 12	
BCN IP	22 59 01.4
IS	59 13.3
MAR 13	
EUR EP	01 08 01.2
EL	08 33.0
MAR 13	
H-01 20 18.1	
33.2N 083.4W	
h ABOUT 040KM	
CSC IP	01 20 52.5
MAR 13	
COL IP	01 48 39.9
IL	49 10.2
MAR 13	
COL IP	02 16 17.3
IPP	16 25.4
MAR 13	
H-03 46 58.8	
25.5N 142.5E	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
HHM EP	03 59 06.3
EUR EP	03 59 19.5
FGU E(P)	03 59 38.1
RCD E(P)	03 59 52.0
TUC EP	03 59 55.5
MAR 13	
H-04 26 23.5	
4.1S 105.1W	
h ABOUT 033KM	
TUC EP	04 33 29.0
EUR IP	04 34 34.5
FGU E(P)	04 34 36.4
RCD EP	04 35 03.0
COL EP	04 38 06.0
HON ES	04 44 17.0
EL	50 36.0
MAR 13	
H-05 51 31.2	
52.1N 170.0W	
h ABOUT 033KM	
COL EP	05 55 28.5
HHM EP	05 58 24.6
EUR IP	05 58 55.7
FGU E(P)	05 59 19.4
BCN E(P)	05 59 22.0
RCD E(P)	05 59 37.0
TUC EP	05 59 58.6
SJP EP	06 03 59.5
E▸P	04 11.8
HON E	06 03 17.0
EL	05 56.0
MAR 13	
COL EP	06 17 09.0
MAR 13	
H-06 19 02.5	
17.7S 178.7W	
h ABOUT 522KM	
BCN EP	06 30 23.3
EUR IP	06 30 26.9
TUC EP	06 30 28.8
COL IP	06 31 44.2
HHM EP	06 30 54.2

Date and Station	Phase (GCT)
	h m s
MAR 13	
H-08 13 51.6	
08.9N 069.8W	
h ABOUT 033KM	
SJP IP	08 16 15.0
EL	18 00.0
MAR 13	
BCN EP	08 14 40.1
EL	15 12.6
EUR EP	08 14 46.3
IL	15 25.8
MAR 13	
H-08 38 31.5	
24.0S 179.0E	
h ABOUT 512KM	
BCN EP	08 50 21.5
TUC EP	08 50 25.0
EUR IP	08 50 26.0
COL EP	08 50 44.0
MAR 13	
BUT IP	08 44 18.6
IS	44 31.6
HHM IP	08 44 36.1
IS	44 59.3
MAR 13	
FGU E(P)	08 51 22.9
ES	51 45.4
MAR 13	
TUC EP	09 13 50.0
MAR 13	
H-11 54 06.1	
12.9N 090.4W	
h ABOUT 128KM	
CSC I(P)	11 59 02.8
I	59 15.0
TUC IP C	11 59 36.4
GCA IP	12 00 11.3
BCN IP C	12 00 22.0
I	00 33.5
EPCP	03 18.0
FGU IP	12 00 26.9
RCD E(P)	12 00 30.0
SLC IP	12 00 36.5
EUR IP	12 00 47.4
HHM EP	12 01 34.4
IPCP	03 40.4
COL EP	12 04 34.0
EPCP	05 10.5

Date and Station	Phase (GCT)
	h m s
MAR 13	
H-12 57 26.0	
37.1S 074.9W	
h ABOUT 054KM	
TUC EP	13 09 13.5
FGU EP	13 09 51.7
MAR 13	
H-13 35 33.3	
07.0S 155.5E	
h ABOUT 095KM	
COL IP	13 47 47.4
E▸P	48 14.2
EUR EP	13 48 41.1
MAR 13	
TUC EP	15 02 55.0
MAR 13	
H-16 02 00.1	
37.1N 116.0W	
h ABOUT 000KM	
BCN IP C	16 02 28.2
IL	02 50.8
EUR IP	16 02 41.6
GCA E(P)	16 03 03.1
I	03 06.3
MAR 13	
GUA E(P)	17 13 23.5
E	13 49.5
MAR 13	
FGU EP	18 07 34.4
MAR 13	
H-18 51 15.0	
13.7N 090.7W	
h ABOUT 064KM	
TUC EP	18 56 43.0
EL	19 05 00.0
BCN EP	18 57 30.5
EUR IP	18 57 55.2
MAR 13	
BCN IP	19 17 24.2
IS	17 35.5
MAR 13	
H-21 08 12.1	
14.5N 090.9W	
h ABOUT 033KM	
CSC E(P)	21 13 08.0
TUC EP	21 13 37.5
EL	22 28.0
BCN E(P)	21 14 24.7
E	14 31.3
FGU IP	21 14 28.1
EUR IP	21 14 48.8

Date and Station	Phase (GCT)
	h m s
MAR 13	
COL E(P)	21 18 35.5
MAR 13	
FGU IP	21 23 33.3
MAR 13	
GCA EP	21 45 58.5
MAR 13	
SJP EP	22 25 54.0
ES	26 06.5
MAR 13	
BCN IP	22 49 37.5
EL	50 06.0
MAR 14	
BZM EP	02 22 36.1
ES	22 55.6
BUT EP	02 22 36.6
IS	22 55.6
HHM E(P)	02 23 16.0
E	23 24.9
FGU EP	02 23 24.7
EUR EP	02 23 47.9
MAR 14	
H-02 37 24.6	
47.1N 008.3E	
h ABOUT 033KM	
COL IP	02 48 15.7
HHM EP	02 48 50.4
BOZ EP	02 48 57.5
EUR EP	02 49 37.0
MAR 14	
H-02 51 04.1	
18.7N 145.6E	
h ABOUT 136KM	
GUA IP	02 52 20.9
COL EP	03 01 19.0
HHM EP	03 03 15.4
BUT IP	03 03 23.6
I▸P	03 53.5
EUR IP	03 03 23.8
I▸P	03 42.3
BOZ EP	03 03 27.8
E	03 40.0
E▸P	03 54.0
BCN EP	03 03 36.0
E▸P	04 04.0
FGU IP	03 03 44.2
TUC EP	03 03 55.0
E▸P	04 24.0

Date and Station	Phase (GCT) h m s
MAR 14	
TUC E(P)	04 26 52.6
MAR 14	
COL IP	05 23 49.0
MAR 14	
H-06 51 58.6	
6.2N 092.1E	
h ABOUT 033KM	
BOZ EP'	07 10 54.0
EPP	12 39.0
EUR EP'	07 11 03.0
TUC EP'	07 11 19.5
MAR 14	
BOZ E(P)	09 47 47.0
MAR 14	
COL IP	10 03 54.8
MAR 14	
FGU IP	11 07 49.3
MAR 14	
H-11 25 13.3	
51.5N 170.1W	
h ABOUT 033KM	
COL EP	11 29 17.0
HHM EP	11 32 08.9
BOZ EP	11 32 32.0
E	32 44.0
EUR EP	11 32 38.8
I▸P	32 53.8
IPCP	34 47.0
TUC EP	11 33 40.6
MAR 14	
H-11 44 53.8	
20.6S 178.5W	
h ABOUT 561KM	
GUA IP	11 52 55.5
BCN EP	11 56 21.5
E▸P	58 27.0
TUC EP	11 56 24.8
E▸P	58 29.4
EPKKP	12 14 38.0
EP'P'	22 48.0
EUR IP	11 56 24.8
COL IP D	11 56 46.4
E▸P	58 54.5
HHM EP	11 56 51.4
BOZ IP	11 56 53.1
I▸P	59 03.0
MAR 14	
H-12 16 53.4	
20.6S 178.2W	
h ABOUT 260KM	

Date and Station	Phase (GCT) h m s
COL IP	12 29 16.5
MAR 14	
TUC EP	14 26 47.3
MAR 14	
COL EP	14 34 45.0
E	35 27.2
MAR 14	
H-15 05 54.4	
13.7S 172.3E	
h ABOUT 611KM	
HON EP	15 13 21.0
E	19 20.0
E	22 46.0
KIP IP	15 13 22.2
EPP	15 16.0
COL IP	15 17 20.9
BCN EP	15 17 27.2
EUR IP D	15 17 29.1
TUC EP	15 17 35.4
E▸P	19 44.0
HHM EP	15 17 48.5
FGU IP	15 17 52.9
BOZ E(P)	15 17 53.0
SJP EP'	15 23 44.7
MAR 14	
H-15 12 22.4	
15.9N 060.5W	
h ABOUT 031KM	
SJP IP	15 13 51.0
IS	14 59.0
CSC EP	15 17 53.0
E	22 42.0
TUC IP D	15 21 03.2
FGU IP	15 21 07.7
SLC IP	15 21 22.1
BOZ IP	15 21 29.3
BCN IP D	15 21 33.7
E▸P	21 47.7
E&P	21 53.7
E	22 06.2
EPCP	22 40.7
BUT I(P)	15 21 42.0
EUR IP D	15 21 42.8
I▸P	21 59.6
IPCP	22 52.8
HHM IP	15 21 48.4
UKI EP	15 22 22.4

Date and Station	Phase (GCT) h m s
COL IP	15 24 00.0
E▸PP	26 56.0
MAR 14	
COL IP	15 18 15.7
BCN EP	15 18 17.2
EUR IP	15 18 19.6
FGU IP	15 18 46.2
MAR 14	
COL EP	16 27 04.0
MAR 14	
COL EP	17 08 04.0
MAR 14	
COL EP	17 37 08.0
MAR 14	
H-17 42 25.3	
37.7N 118.7W	
h ABOUT 016KM	
EUR IP	17 43 12.6
IL	43 54.7
BCN EP	17 43 19.8
E	43 27.8
EL	44 09.8
MAR 14	
HHM IP	17 46 33.5
IL	46 38.5
MAR 14	
TUC EP	17 54 41.0
MAR 14	
UKI EP	18 56 24.2
ES	56 39.8
EUR EP	18 57 35.1
MAR 14	
HHM E(P)	19 03 59.0
MAR 14	
EUR IP	22 25 33.9
MAR 14	
HHM E(P)	22 49 37.0
ES	50 18.0
MAR 14	
TUC E(P)	22 59 34.0
MAR 14	
H-23 12 09.9	
52.1N 170.6W	
h ABOUT 033KM	
COL EP	23 16 10.0
MAR 14	
COL EP	23 14 00.0
MAR 15	
TUC E(P)	01 38 49.5

Date and Station	Phase (GCT) h m s
MAR 15	
H-02 07 04.1	
37.5S 073.3W	
h ABOUT 033KM	
TUC EP	02 18 59.7
FGU E(P)	02 19 36.0
EUR IP	02 19 42.8
MAR 15	
TUC E(P)	02 08 37.0
E	08 41.0
MAR 15	
TUC EP	02 53 43.6
MAR 15	
EUR IP C	03 13 42.9
IS	14 07.6
MAR 15	
H-03 18 13.6	
01.2N 126.2E	
h ABOUT 043KM	
GUA E(P)	03 22 55.5
TUC EP'	03 37 00.0
MAR 15	
BCN IP	05 49 27.6
IL	50 05.9
EUR EP	05 50 06.0
EL	51 44.0
MAR 15	
TUC E(P)	05 57 24.8
MAR 15	
H-07 59 58.0	
49.7N 078.0E	
h ABOUT 000KM	
COL IP C	08 10 09.3
HHM EP	08 12 19.3
BOZ IP C	08 12 34.3
RCD IP C	08 12 46.0
FGU IP C	08 12 58.8
SLC IP C	08 12 59.2
EUR IP C	08 13 03.1
BCN EP	08 13 20.4
MAR 15	
H-09 49 42.4	
53.0N 157.3E	
h ABOUT 170KM	
COL IP	09 55 33.5
I&P	56 28.5
KIP IP	09 57 54.5
HHM EP	09 58 41.7
ESCP	10 03 29.5

Date and Station	Phase (GCT)
	h m s
BOZ IP	09 59 05.0
E▸P	59 45.0
EUR IP C	09 59 19.3
I▸P	59 59.3
ISCP	10 03 52.5
SLC EP	09 59 28.7
FGU EP	09 59 36.2
BCN IP C	09 59 41.1
E	59 56.6
EPCP	10 00 15.6
RCD IP	09 59 43.0
TUC IP C	10 00 12.8
MAR 15	
HHM E(P)	11 45 35.0
EL	46 37.0
MAR 15	
GUA IP	11 58 30.5
MAR 15	
H-14 14 51.8	
2.7S 077.7W	
h ABOUT 094KM	
TUC EP	14 23 14.0
EUR EP	14 24 13.2
BOZ EP	14 24 27.3
MAR 15	
BCN E(P)	19 41 32.3
EL	42 12.0
MAR 15	
BCN EP	19 45 14.0
I	45 40.0
IL	10 45 51.0
TUC E(P)	19 45 30.0
EUR E(P)	19 46 06.0
EL	47 42.5
MAR 15	
BCN EP	20 30 36.9
I	31 02.0
IL	31 14.0
TUC E(P)	20 31 03.0
EUR E(P)	20 31 42.5
EL	33 05.5
MAR 15	
COL EP	20 59 33.0
MAR 15	
H-21 17 46.1	
17.9N 120.0E	
h ABOUT 033KM	
COL EP	21 29 25.0
MAR 15	
BCN E(P)	21 32 12.8
EL	32 49.8
MAR 15	
BCN E(P)	21 35 38.3
MAR 15	
BCN EP	21 43 20.3
EL	43 57.3
MAR 15	
BCN EP	21 50 20.2
EL	50 58.7
MAR 15	
H-22 30 26.0	
36.2N 007.6W	
h ABOUT 027KM	
PHI I(P)	22 39 37.0
SJP IP	22 39 50.9
IPCP	40 56.0
IS	47 32.0
WAS I(P)	22 39 53.0
E	47 25.0
CSC IP	22 40 24.5
ES	48 17.0
RCD IP	22 41 34.0
EP'P'	23 09 40.0
HHM EP	22 41 55.6
BOZ IP	22 41 59.0
E	42 43.0
COL IP C	22 42 04.4
E(S)	51 40.0
FGU IP	22 42 06.8
SLC IP	22 42 14.5
I	42 47.3
SIT EP	22 42 20.1
GCA IP	22 42 27.7
EUR IP C	22 42 35.0
IPP	45 31.0
EPS	53 16.5
EPKKP	23 01 19.5
E	02 36.5
EP'P'	09 28.0
ESKPP'	12 52.5
TUC IP C	22 42 40.8
BCN IP C	22 42 43.3
IPP	45 48.8
PKKP	23 01 19.6
EP'P'	09 08.6
ESKPP'	12 46.6
UKI IP	22 43 00.0
HON E(P)	22 45 20.0
IPP	50 16.0
ESKS	56 11.0
ES	57 26.0
IPS	23 00 06.0
EPPS	23 01 16.0
E	06 40.0
EL	18 54.0
KIP EPP	22 50 14.0
EPS	23 00 02.0
EPPS	01 14.0
E	06 40.0
EL	18 50.0
MAR 16	
H-01 05 17.6	
36.9N 095.5E	
h ABOUT 033KM	
COL IP C	01 16 09.5
SIT E(P)	01 17 09.9
HHM IP	01 18 20.8
BOZ IP	01 18 35.1
E	20 40.0
RCD E(P)	01 18 52.0
EUR EP	01 18 55.8
EPP	22 53.0
FGU EP	01 18 58.1
BCN EP	01 19 13.2
MAR 16	
BOZ E(P)	02 12 04.0
MAR 16	
BOZ E(P)	02 34 01.0
E	34 05.0
HHM EP	02 34 01.7
RCD E(P)	02 34 02.0
EUR EP	02 34 39.0
MAR 16	
H-03 28 11.7	
38.0N 072.9E	
h ABOUT 132KM	
COL EP	03 39 26.0
BOZ E(P)	03 41 29.0
MAR 16	
GUA E(P)	05 06 05.0
MAR 16	
H-06 06 51.3	
13.5N 088.3W	
h ABOUT 092KM	
BOZ EP	06 13 58.8
MAR 16	
H-07 04 34.9	
52.0N 166.9W	
h ABOUT 045KM	
COL EP	07 08 20.6
HHM EP	07 11 12.7
EUR EP	07 11 41.5
E▸P	11 52.0
TUC EP	07 12 45.0
MAR 16	
KIP EP	07 45 27.0
MAR 16	
H-08 44 32.8	
44.8N 146.8E	
h ABOUT 140KM	
COL IP C	08 51 59.0
ESCP	57 35.0
ES	57 57.0
SIT EP	08 53 00.4
KIP EP	08 53 19.0
HHM IP	08 54 49.8
BOZ IP	08 55 09.0
I▸P	55 42.5
E	09 03 49.0
EUR IP C	08 55 19.0
I▸P	55 52.4
SLC IP	08 55 28.2
FGU IP	08 55 35.7
BCN IP C	08 55 37.5
I▸P	56 10.9
GCA IP	08 55 43.3
RCD IP	08 55 43.5
TUC IP C	08 56 05.8
E▸P	56 39.7
HON E	09 01 22.0
E	05 06.0
EL	11 31.0
MAR 16	
FGU EP	09 16 33.4
EUR E(P)	09 16 40.5
MAR 16	
BOZ EP	09 46 09.0
EL	46 43.0
MAR 16	
TUC E(P)	10 01 13.0
IL	02 07.0
MAR 16	
TUC E(P)	11 31 08.0
MAR 16	
COL IP	12 57 09.2
MAR 16	
TUC E(P)	13 21 01.0
MAR 16	
BOZ EP	13 57 11.0
MAR 16	
H-14 55 55.2	
08.3S 118.6E	
h ABOUT 033KM	
BCN EP'	15 14 41.8

Date and Station	Phase	Phase (GCT) h m s
MAR 16		
H-14 58 23.4		
11.5S 166.1E		
h ABOUT 069KM		
COL	EP	15 10 43.0
	E	11 12.5
EUR	IP	15 11 09.2
	E▸P	11 21.2
TUC	EP	15 11 19.5
BOZ	EP	15 11 30.2
	E▸P	11 42.0
MAR 16		
BCN	I(P)	16 39 36.4
	I	40 05.9
	EL	40 02.4
EUR	EP	16 40 07.3
	EL	41 40.8
MAR 16		
H-17 24 25.2		
52.6N 157.2E		
h ABOUT 171KM		
COL	EP	17 30 19.0
	E▸P	31 20.0
EUR	IP C	17 34 03.3
MAR 16		
H-18 59 27.9		
9.6S 166.4E		
h ABOUT 033KM		
COL	EP	19 11 45.0
EUR	EP	19 12 11.3
MAR 16		
BOZ	EP	19 02 57.5
	ES	03 11.0
HHM	E(P)	19 03 29.0
MAR 16		
TUC	E(P)	19 25 44.0
MAR 16		
TUC	IP	20 05 41.5
	IL	06 02.0
MAR 16		
H-20 30 48.5		
27.3N 110.9W		
h ABOUT 033KM		
TUC	IP	20 32 03.0
	EL	33 21.0
BCN	E(P)	20 33 05.0
	EL	36 04.1
EUR	EP	20 33 54.8
FGU	E(P)	20 34 07.1
RCD	E(P)	20 35 00.0
BOZ	EP	20 35 00.0
HHM	EP	20 35 31.0
MAR 16		
H-20 40 47.9		
19.5N 065.3W		
h ABOUT 033KM		
SJP	IP	20 41 09.0
EUR	IP	20 49 24.5
	E	49 42.0
COL	EP	20 51 54.0
MAR 16		
BOZ	EP	20 48 49.0
	E	49 11.0
MAR 16		
BCN	IP	20 54 54.1
	IS	55 09.5
MAR 16		
SJP	IP	21 21 00.4
	IS	21 15.4
MAR 16		
H-21 39 42.5		
20.6S 178.7W		
h ABOUT 578KM		
BCN	EP	21 51 07.6
EUR	IP D	21 51 12.4
TUC	EP	21 51 12.8
COL	IP C	21 51 33.3
	E▸P	53 47.5
FGU	IP	21 51 36.2
HHM	EP	21 51 39.0
BOZ	IP	21 51 40.1
MAR 16		
TUC	EP	22 08 25.0
	IL	08 53.0
MAR 16		
EUR	IP	22 22 02.4
	I(S)	22 10.9
MAR 16		
EUR	IP	22 25 05.4
	IL	25 23.9
MAR 16		
COL	EP	22 37 10.0
MAR 17		
FGU	IP D	00 02 07.7
	IS	02 18.9
MAR 17		
H-00 13 08.4		
07.5N 073.3W		
h ABOUT 148KM		
EUR	E(P)	00 21 46.2
MAR 17		
EUR	IP	00 46 27.9
	IL	46 50.4
MAR 17		
BCN	IP	01 29 10.0
	IS	29 24.4
MAR 17		
H-01 33 45.6		
45.2N 150.4E		
h ABOUT 040KM		
COL	EP	01 41 06.0
	E▸P	41 16.2
EUR	EP	01 44 27.7
	E▸P	44 39.7
	EsP	44 45.7
MAR 17		
SJP	IP	01 43 45.7
	IS	44 04.5
MAR 17		
COL	EP	01 45 55.0
	ES	46 39.0
MAR 17		
COL	IP	01 48 30.3
	IS	48 47.5
MAR 17		
H-02 04 58.2		
53.5N 163.3E		
h ABOUT 020KM		
COL	IP	02 10 38.5
	I▸P	10 41.8
EUR	IP	02 14 26.5
	I▸P	14 30.5
	IPCP	15 28.5
	I▸PCP	15 32.5
BCN	EP	02 14 48.0
RCD	IP	02 14 53.0
MAR 17		
H-02 35 43.8		
57.5N 155.7W		
h ABOUT 033KM		
COL	IP C	02 37 43.0
MAR 17		
EUR	IP	02 47 22.9
	IS	47 42.2
MAR 17		
H-05 01 56.8		
08.9S 108.8W		
h ABOUT 033KM		
EUR	EP	05 10 39.0
MAR 17		
TUC	E(P)	05 30 40.0
MAR 17		
COL	EP	07 18 23.0
MAR 17		
SJP	EP	07 36 06.0
	EL	37 00.5
MAR 17		
H-07 41 04.1		
23.9S 065.9W		
h ABOUT 076KM		
EUR	EP	07 52 59.0
	E▸P	53 11.9
MAR 17		
GUA	IP	08 15 23.5
	IS	15 42.5
MAR 17		
COL	EP	13 10 40.0
MAR 17		
H-14 29 43.6		
05.6S 151.6E		
h ABOUT 054KM		
GUA	EP	14 34 17.2
	E	34 30.3
COL	EP	14 42 03.0
EUR	EP	14 43 05.3
MAR 17		
EUR	IP	16 08 00.5
	IL	08 16.5
MAR 17		
TUC	EP	16 34 41.0
MAR 17		
COL	EP	18 01 12.5
MAR 17		
H-18 05 52.2		
15.8S 173.3W		
h ABOUT 033KM		
EUR	E(P)	18 17 41.5
COL	EP	18 18 06.0
BOZ	E(P)	18 18 13.0
MAR 17		
BOZ	EP	18 10 11.4
	IL	10 39.9
MAR 17		
HHM	E(P)	19 05 26.0
MAR 17		
BOZ	E(P)	19 39 09.0
MAR 17		
EUR	IP	20 32 01.0
	E	32 10.0
	EL	32 43.0
MAR 17		
GUA	IP	21 53 37.5
	IS	54 02.5
MAR 17		
EUR	IP	22 22 30.8
	IS	22 43.8

Date and Station	Phase (GCT)
	h m s
MAR 17	
BCN E(P)	22 42 14.7
E(S)	42 45.3
MAR 17	
HHM E(P)	22 51 43.0
E	52 05.0
EL	52 33.0
MAR 17	
BCN IP	22 59 15.4
IS	59 27.9
MAR 17	
TUC EP	23 45 15.2
MAR 17	
EUR EP	23 48 55.0
MAR 17	
COL IP	23 53 36.3
IS	54 03.0
MAR 18	
GCA IP	00 01 11.4
MAR 18	
H-00 10 34.8	
17.3S 175.1W	
h ABOUT 268KM	
BCN EP	00 22 04.7
EUR IP	00 22 09.9
TUC EP	00 22 10.3
COL IP D	00 22 38.1
E▸P	23 47.5
MAR 18	
TUC EP	01 21 18.0
MAR 18	
TUC EP	01 45 21.0
MAR 18	
H-01 52 10.2	
6.8N 073.1W	
h ABOUT 181KM	
TUC EP	01 59 56.1
EUR EP	02 00 51.2
MAR 18	
H-04 37 26.9	
52.5N 153.6E	
h ABOUT 440KM	
COL IP C	04 43 12.2
IS	47 51.0
ISCP	48 54.6
GUA EP	04 44 16.8
SIT IP	04 44 21.2
KIP IP	04 45 27.0
ES	52 00.0
HON EP	04 45 28.0
IS	52 00.0

Date and Station	Phase (GCT)
	h m s
HHM IP C	04 46 16.5
IPCP	47 12.0
E▸P	47 35.0
EsP	48 23.0
ESCP	50 30.0
ES	53 28.0
ESCS	55 22.0
UKI EP	04 46 26.0
BOZ IP	04 46 38.5
IsP	48 45.0
IS	54 08.0
I	55 20.0
E	58 00.0
ESKPP'	05 19 23.0
BUT E(P)	04 46 39.0
EUR IP C	04 46 52.2
I▸P	48 22.9
IsP	49 07.4
ISCP	50 54.1
ES	54 25.5
ISP	54 46.5
E▸S	56 01.0
EsS	56 57.0
EP'P'	05 15 55.7
E▸P'P'	17 41.0
E▸SKPP	21 02.0
SLC IP	04 47 01.1
EP'P'	05 15 50.1
BCN IP C	04 47 13.4
E▸P	48 43.3
EsP	49 32.5
ES	55 13.8
RCD IP	04 47 14.5
GCA EP	04 47 18.6
TUC IP	04 47 43.9
ES	56 11.0
WAS IP	04 48 44.0
CSC IP	04 48 58.0
MAR 18	
COL EP	05 14 39.0
MAR 18	
COL EP	05 29 02.0
MAR 18	
H-07 20 02.2	
48.8N 155.0E	
h ABOUT 055KM	
COL IP	07 26 40.8
BOZ IP	07 30 03.0
EUR IP	07 30 12.2
E▸P	30 26.7
RCD IP	07 30 40.0
MAR 18	
BOZ EP	08 59 20.0

Date and Station	Phase (GCT)
	h m s
MAR 18	
FGU E(P)	11 03 27.1
EL	03 51.9
MAR 18	
H-11 39 26.8	
14.7N 092.1W	
h ABOUT 031KM	
EUR EP	11 45 56.2
MAR 18	
RCD E(P)	12 57 26.0
MAR 18	
GUA EP	14 28 48.2
MAR 18	
TUC EP	14 32 38.3
MAR 18	
SJP EP	15 50 21.0
ES	50 40.5
MAR 18	
GUA IP	16 03 56.2
MAR 18	
EUR IP	16 11 33.6
IS	11 50.6
MAR 18	
FGU EP	17 03 56.5
IS	04 18.5
BOZ EP	17 04 27.0
MAR 18	
BOZ E(P)	17 10 47.0
MAR 18	
COL EP	17 15 37.0
MAR 18	
BHP IP	17 33 46.8
IS	34 13.8
MAR 18	
H-18 57 27.3	
29.9S 071.0W	
h ABOUT 050KM	
TUC EP	19 08 50.0
FGU EP	19 09 27.9
EUR EP	19 09 37.2
BOZ E(P)	19 09 55.0
MAR 18	
COL IP	19 02 01.0
IL	02 55.0
MAR 18	
BOZ E(P)	19 38 52.0
MAR 18	
H-19 52 39.3	
10.5S 161.6E	
h ABOUT 085KM	
COL IP	20 05 00.3
E▸P	05 23.5

Date and Station	Phase (GCT)
	h m s
EUR IP D	20 05 35.5
I▸P	05 59.0
BCN EP	20 05 36.1
E▸P	05 59.1
BOZ EP	20 05 54.5
MAR 18	
GCA EP	21 43 29.5
ES	43 45.0
FGU EP	21 44 02.7
IS	44 38.2
EUR EP	21 44 29.5
EL	45 31.5
MAR 18	
RCD EP	21 56 49.0
MAR 18	
COL IP C	23 00 47.5
IS	01 11.0
MAR 18	
BCN IP	23 24 39.8
IS	24 44.8
MAR 19	
BCN IP	00 14 21.5
IS	14 34.2
MAR 19	
TUC EP	00 20 07.5
MAR 19	
GUA EP	00 56 26.0
MAR 19	
BOZ IP	01 11 57.5
E	12 18.0
MAR 19	
GUA E(P)	02 01 55.4
MAR 19	
GUA EP	02 17 33.0
MAR 19	
H-03 28 57.0	
18.6S 069.9W	
h ABOUT 127KM	
SJP EP	03 35 55.8
MAR 19	
H-04 45 50.9	
21.9S 179.5E	
h ABOUT 613KM	
KIP EP	04 53 40.0
HON EP	04 53 42.0
GUA EP	04 53 44.7
EUR IP C	04 57 27.4
TUC IP C	04 57 27.8
I	59 45.0
SLC IP	04 57 42.3

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	h m s
COL EP	04 57 47.0
FGU IP	04 57 50.8
HHM EP	04 57 54.0
BOZ EP	04 57 54.9
MAR 19	
BOZ E(P)	04 58 56.6
ES	59 28.0
MAR 19	
FGU EP	07 29 17.2
MAR 19	
SJP E(P)	07 32 12.5
E	32 21.0
IL	33 18.5
MAR 19	
BCN EP	08 17 19.6
MAR 19	
H-08 43 40.5	
20.3S 178.3W	
h ABOUT 504KM	
EUR IP D	08 55 14.7
TUC IP D	08 55 14.8
COL EP D	08 55 36.0
FGU E(P)	08 55 38.2
BOZ IP	08 55 42.8
MAT 19	
COL EP	08 55 27.2
MAR 19	
COL EP	08 56 30.0
BOZ EP	08 56 36.0
MAR 19	
H-09 42 34.9	
14.7N 056.3E	
h ABOUT 033KM	
BOZ EP'	10 01 21.0
EPP	02 41.0
ESKP	04 45.0
FGU EP'	10 01 29.2
EUR IP'	10 01 34.8
BCN EP'	10 01 43.5
TUC EP'	10 01 47.0
MAR 19	
MAR 19	
H-11 05 03.8	
35.3N 135.7E	
h ABOUT 365KM	
COL EP	11 13 46.0
HHM IP	11 16 14.8
BOZ EP	11 16 30.8
EUR E(P)	11 16 38.4
MAR 19	
H-11 50 54.2	
28.4N 139.6E	
h ABOUT 450KM	
COL IP	11 59 59.2
HHM IP	12 02 13.0
BOZ EP	12 02 27.8
EUR IP	12 02 30.6
BCN EP	12 02 43.0
TUC EP	12 03 06.0
MAR 19	
EUR EP	12 59 08.9
I	59 11.4
MAR 19	
GUA EP	13 03 38.3
MAR 19	
BOZ E(P)	15 59 04.0
MAR 19	
EUR EP	16 03 37.7
E	03 50.2
BOZ EP	16 03 41.0
MAR 19	
BOZ EP	16 44 53.0
MAR 19	
SJP IP	16 47 03.0
ES	47 27.5
MAR 19	
EUR IP	17 23 23.2
IS	23 40.7
MAR 19	
GUA EP	18 06 38.9
MAR 19	
FGU E(P)	18 01 53.8
ES	02 21.6
MAR 19	
FGU EP	18 01 54.8
IS	02 21.3
MAR 19	
FGU E(P)	18 58 21.3
MAR 19	
GUA E(P)	20 58 55.0
MAR 19	
EUR IP	21 24 58.8
IS	25 21.8
MAR 19	
H-21 44 03.8	
15.1S 172.6W	
h ABOUT 033KM	
HON EP	21 51 31.0
IS	57 40.0
EL	22 00 32.0
E(T)	31 21.0
KIP EP	21 51 31.0
ES	57 38.0
EL	22 00 24.0
E(T)	31 30.0
GUA E(P)	21 53 08.9
UKI IP C	21 55 22.5
BCN EP	21 55 41.5
IpP	55 53.7
TUC EP	21 55 46.5
I	56 00.5
EL	22 18 18.0
EUR EP C	21 55 48.0
I	55 49.4
IpP	56 00.5
GCA IP	21 55 59.4
SLC E(P)	21 56 02.3
I	56 08.5
I	56 19.3
ALQ E(P)	21 56 12.0
FGU EP	21 56 16.4
I	56 18.1
HHM EP	21 56 21.6
IpP	56 32.0
E	57 48.0
COL EP	21 56 22.0
I	56 24.3
BOZ EP	21 56 22.0
E	22 11 04.0
BHP EP	21 57 22.0
MAR 19	
H-22 29 03.2	
15.3S 072.9W	
h ABOUT 115KM	
FGU E(P)	22 39 36.4
EUR EP	22 39 50.9
I	40 15.9
HHM E(P)	22 40 23.0
COL EP	22 42 24.0
MAR 19	
HHM E(P)	22 32 23.0
EL	33 06.0
MAR 19	
BCN IP	22 57 01.7
IS	57 14.2
MAR 19	
BOZ EP	22 58 12.2
ES	58 30.0
MAR 19	
BHP IP	23 05 28.0
EL	06 26.0
MAR 19	
FGU E(P)	23 06 38.5
MAR 19	
SJP IP	23 08 07.5
MAR 19	
SJP IP	23 12 57.5
I	14 01.7
MAR 19	
COL EP	23 29 42.0
MAR 19	
BCN IP	23 40 11.0
IS	40 13.0
MAR 20	
H-00 06 33.9	
07.4N 079.9W	
h ABOUT 093KM	
BHP IP	00 07 00.0
IS	07 26.0
SJP EP	00 10 29.5
EUR EP	00 14 45.1
MAR 20	
COL EP	00 36 50.0
MAR 20	
COL EP	02 33 57.0
MAR 20	
TUC EP	03 06 35.0
IL	07 46.5
ALQ E(P)	03 07 08.0
MAR 20	
H-03 15 45.6	
28.2N 055.0E	
h ABOUT 043KM	
COL EP	03 28 20.0
MAR 20	
COL IP D	03 43 34.3
I(S)	44 19.0
MAR 20	
H-04 21 08.1	
06.1S 150.4E	
h ABOUT 034KM	
GUA IP	04 25 44.1
COL EP	04 33 32.0
E	33 35.2
EUR EP	04 34 38.4
MAR 20	
TUC EP	05 02 03.0
MAR 20	
SJP IP	06 04 08.1
IS	04 19.5

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	h m s
MAR 20	
H-06 35 51.6	
12.9N 089.9W	
h ABOUT 125KM	
CSC E(P)	06 40 43.0
TUC EP	06 41 28.5
EPCP	44 48.6
EUR EP	06 42 35.4
EPCP	45 10.0
BOZ EP	06 42 54.0
EPCP	45 14.0
ALQ EPCP	06 44 45.0
HHM EPCP	06 45 24.0
COL EP	06 46 20.0
IPCP	46 55.7
MAR 20	
H-06 55 28.1	
2.0S 079.7W	
h ABOUT 071KM	
BHP IP	06 58 06.0
SJP EP	07 00 40.0
E	01 03.5
CSC IP	07 02 23.0
I	02 49.0
ALQ IP	07 03 34.5
TUC IP D	07 03 39.4
EPCP	05 18.4
GCA IP	07 04 09.8
BCN IP D	07 04 18.5
FGU IP	07 04 22.2
SLC IP	07 04 30.1
EUR IP D	07 04 40.4
BOZ IP	07 04 55.1
I	05 20.0
I	05 32.0
HHM EP	07 05 17.7
E	05 41.0
COL IP	07 07 44.2
EsP	08 08.2
IPP	10 56.5
MAR 20	
SJP EP	06 55 56.0
MAR 20	
TUC E(P)	11 23 16.0
MAR 20	
GUA E(P)	12 20 32.0
E	21 14.5
MAR 20	
HHM EP	12 20 49.9
IS	20 58.0
BOZ EP	12 21 24.0
EL	22 05.0
MAR 20	
GUA E(P)	12 40 15.0
MAR 20	
EUR EP	13 17 23.0
EL	18 29.0
MAR 20	
BOZ EP	13 32 45.0
E	33 38.0
MAR 20	
FGU IP	15 24 19.1
MAR 20	
BCN IP	15 48 08.0
IS	48 10.3
MAR 20	
EUR IP	16 04 32.4
IL	04 50.9
MAR 20	
TUC E(P)	16 10 00.6
MAR 20	
GUA E(P)	16 20 22.8
MAR 20	
HHM E(P)	16 48 05.0
MAR 20	
COL IP	18 02 05.0
MAR 20	
FGU IP	18 14 09.5
MAR 20	
H-19 00 52.7	
23.6N 094.4E	
h ABOUT 086KM	
EUR EP'	19 19 17.8
EPKKP	30 23.0
ALQ IP'	19 19 33.0
TUC EP'	19 19 35.0
MAR 20	
H-19 15 16.3	
19.8S 173.6W	
h ABOUT 033KM	
TUC EP	19 27 21.5
EUR EP	19 27 23.5
ALQ IP	19 27 46.0
BOZ EP	19 27 55.0
COL IP	19 27 58.2
MAR 20	
GUA EP	19 25 41.5
E(S)	26 01.5
MAR 20	
ALQ EP	20 35 36.0
MAR 20	
COL IP	21 26 27.3
EL	27 17.0
MAR 20	
GCA IP	22 31 12.9
MAR 20	
BOZ IP	22 45 08.5
IS	45 17.0
HHM E(P)	22 45 55.0
MAR 21	
GUA IP	00 00 00.1
IS	00 06.5
MAR 21	
EUR IP	00 53 56.4
EL	54 27.9
MAR 21	
COL EP	01 49 34.0
MAR 21	
GUA EP	03 25 41.3
MAR 21	
H-03 42 19.6	
06.4S 127.9E	
h ABOUT 367KM	
GUA IP	03 47 21.5
ES	51 26.0
ESCP	53 43.0
ESCS	57 38.9
KIP IP	03 53 40.0
IS	04 03 02.0
EsS	05 25.0
ESS	08 15.0
E	11 25.0
EL	14 26.0
HON IP	03 53 40.6
EsP	55 34.3
EPP	56 38.0
IS	04 03 00.0
ESS	08 12.0
E	11 25.0
EL	14 30.0
COL EP	03 54 53.0
EPP	58 39.0
IPKKP	04 12 00.0
I	12 37.7
ESKKP	16 28.0
HHM EP	03 56 26.0
EP'	04 00 17.0
EPP	01 06.0
PKKP	11 02.0
ESKKP	14 14.0
EUR IP	03 56 32.5
IP'	04 00 19.3
EPP	01 14.0
ESKP	03 17.0
ESP	10 20.0
EPKKP	11 01.0
BOZ EP	03 56 35.0
EP'	04 00 21.5
IPP	01 24.0
E	03 03.0
ISKP	03 22.0
TUC EP	03 56 36.4
E	57 13.5
IP'	04 00 30.0
IPP	01 53.2
ISKP	03 30.5
ES	04 09 04.5
IPKKP	10 42.7
BCN EP	03 56 46.1
IP'	04 00 24.0
EPP	01 23.4
ISKP	03 24.0
SKS	06 38.5
PKKP	11 01.0
ESKKP	14 52.3
SLC EP'	04 00 24.7
ISKP	03 24.2
FGU EP'	04 00 27.7
ISKS	06 48.4
GCA EP'	04 00 28.2
RCD IP'	04 00 34.6
EPP	02 08.0
ESKP	03 34.5
EPKKP	10 35.0
ALQ IP'	04 00 35.0
EPP	02 00.0
WAS EP'	04 01 08.0
ESKP	04 06.0
E	06 42.0
BHP IP'	04 01 29.0
SJP IP'1	04 01 40.0
IP'2	02 29.0
EsP'1	03 50.5
I(SKP)	05 05.5
I(PP)	06 01.0
E	12 24.0
MAR 21	
H-05 50 02.5	
08.7S 109.2W	
h ABOUT 033KM	
ALQ EP	05 58 05.0
EUR EP	05 58 42.1
MAR 21	
COL EP	06 11 16.0
MAR 21	
TUC E(P)	06 47 37.0
MAR 21	
H-07 02 24.7	
34.2S 070.7W	
h ABOUT 090KM	
ALQ IP	07 14 07.0

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EUR	EP	07 14 49.5
MAR 21		
BOZ	IP	07 15 18.0
	IL	15 23.0
MAR 21		
RCD	EP	07 16 45.0
MAR 21		
HHM	EP	07 30 59.9
	ES	31 38.0
MAR 21		
H-07 46 39.0		
12.1N 141.9E		
h ABOUT 033KM		
GUA	EP	07 47 27.5
	ES	48 02.5
COL	EP	07 57 51.8
EUR	EP	07 59 44.6
BOZ	EP	07 59 48.5
BCN	EP	07 59 54.1
MAR 21		
COL	IP	07 54 33.2
MAR 21		
COL	IP	08 39 30.2
	I(S)	39 59.5
MAR 21		
COL	EP	09 24 29.0
MAR 21		
TUC	EP	09 51 18.6
COL	IP	09 51 41.2
MAR 21		
SJP	IP	10 15 20.5
	IS	15 38.5
MAR 21		
H-10 44 01.2		
22.3N 143.7E		
h ABOUT 033KM		
COL	IP	10 54 13.3
HHM	IP	10 56 16.3
EUR	IP D	10 56 28.3
TUC	EP	10 57 02.0
ALQ	IP	10 57 11.0
MAR 21		
H-10 57 03.7		
15.4S 174.1W		
h ABOUT 153KM		
TUC	EP	11 08 41.2
EUR	EP	11 08 41.4
COL	IP	11 09 10.1
MAR 21		
COL	EP	11 46 13.0
MAR 21		
COL	IP	12 18 07.8
	IS	18 32.0
MAR 21		
COL	EP	14 35 32.0
MAR 21		
EUR	EP	14 54 04.4
	IL	54 41.9
BCN	EP	14 54 08.9
	IL	54 38.4
MAR 21		
H-15 08 14.3		
18.7N 103.1W		
h ABOUT 083KM		
TUC	EP	15 11 44.4
	EL	15 14.0
ALQ	IP	15 12 03.0
GCA	EP	15 12 41.3
BCN	IP D	15 12 44.7
	EL	18 33.0
FGU	EP	15 13 11.4
SLC	EP	15 13 16.1
	I	13 45.1
EUR	IP	15 13 18.8
BHP	EP	15 13 30.0
CSC	EP	15 13 32.0
	E	14 17.0
RCD	EP	15 13 37.0
	E	18 32.0
BOZ	EP	15 13 56.0
	E	14 16.0
	E	17 11.0
	I	19 00.0
BUT	E(P)	15 13 59.0
SJP	EP	15 15 02.6
COL	IP	15 17 36.8
	IPCP	18 39.1
HON	E	15 24 42.0
	EL	30 44.0
MAR 21		
TUC	E(P)	15 41 14.5
MAR 21		
H-16 27 11.7		
27.6S 177.2W		
h ABOUT 033KM		
HON	IP	16 36 20.2
KIP	IP	16 36 20.9
BCN	IP C	16 39 53.0
	E	40 02.5
	E	40 08.0
TUC	IP C	16 39 54.8
	E	40 08.0
EUR	IP C	16 39 58.8
	EPKKP	57 33.0
ALQ	IP	16 40 15.5
	E	40 28.0
BOZ	IP	16 40 27.0
	I	40 43.0
HHM	EP	16 40 27.5
	EPKKP	57 28.0
COL	IP	16 40 30.5
RCD	EP	16 40 45.5
MAR 21		
HHM	E(P)	19 22 20.0
	EL	23 00.0
MAR 21		
BOZ	EP	21 37 57.5
	E	39 07.0
MAR 21		
HHM	E(P)	22 41 38.0
MAR 21		
RCD	IP	23 30 31.5
MAR 22		
H-00 44 38.6		
28.3N 111.8W		
h ABOUT 033KM		
TUC	EP	00 45 40.0
ALQ	EP	00 46 35.0
BCN	E(P)	00 46 39.0
	EL	49 02.0
EUR	E(P)	00 47 32.7
	EL	50 59.0
HHM	E(P)	00 49 12.0
MAR 22		
MAR 22		
H-00 52 38.8		
54.0N 160.5E		
h ABOUT 030KM		
COL	IP	00 58 25.6
HHM	E(P)	01 01 37.0
BOZ	EP	01 02 00.5
EUR	IP C	01 02 15.9
	IPP	02 29.9
BCN	E(P)	01 02 38.0
RCD	IP	01 02 40.5
TUC	EP	01 03 10.2
MAR 22		
EUR	EP	01 14 45.0
MAR 22		
TUC	EP	01 25 29.2
	EL	26 39.5
ALQ	EP	01 26 25.0
EUR	EP	01 27 17.9
MAR 22		
FGU	EP	01 33 17.4
	IS	33 28.1
MAR 22		
TUC	E(P)	03 11 44.0
MAR 22		
COL	EP	03 27 38.0
	EL	28 36.5
MAR 22		
COL	IP	04 12 50.8
	IL	14 27.0
MAR 22		
TUC	EP	04 30 44.0
MAR 22		
TUC	EP	05 08 11.2
MAR 22		
H-05 32 07.7		
02.7S 126.4E		
h ABOUT 033KM		
EUR	EP'	05 50 47.0
ALQ	IP'	05 51 02.5
MAR 22		
H-06 22 15.1		
61.3N 147.8W		
h ABOUT 062KM		
COL	IP C	06 23 10.9
HHM	IP	06 27 15.0
BOZ	EP	06 27 43.5
EUR	EP	06 28 11.6
RCD	IP	06 28 36.0
BCN	E(P)	06 28 48.1
MAR 22		
H-07 05 39.7		
05.5S 077.1W		
h ABOUT 147KM		
BHP	IP	07 09 01.0
SJP	EP	07 11 01.4
	E	11 27.0
	E	11 37.0
	IPCP	14 25.5
CSC	EP	07 12 57.0
ALQ	IP	07 14 13.0
	E	14 38.0

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TUC IP D	07 14 17.4
GCA EP	07 14 46.2
BCN IP D	07 14 54.6
E	15 36.1
RCD IP	07 14 57.0
E	15 23.0
FGU IP	07 14 57.7
SLC IP	07 15 05.7
EUR IP D	07 15 15.5
I	15 47.4
BOZ IP D	07 15 29.0
I	16 13.0
BUT EP	07 15 39.0
HHM IP	07 15 49.8
E	16 18.0
COL IP	07 18 08.8
I*P	18 40.3
MAR 22	
H-08 35 06.4	
35.7S 072.9W	
h ABOUT 033KM	
SJP EP	08 44 27.0
CSC EP	08 46 13.0
TUC EP	08 46 54.2
ALQ IP	08 46 57.0
E	47 30.0
GCA EP	08 47 15.0
SLC EP	08 47 35.0
BCN EP	08 47 22.0
FGU EP	08 47 31.5
RCD IP	08 47 36.0
EUR IP	08 47 39.2
E	47 46.7
BOZ EP	08 47 53.9
HON E	09 01 33.0
E	07 14.0
EL	20 52.0
MAR 22	
GUA E(P)	11 50 02.5
MAR 22	
GUA E(P)	12 19 27.5
MAR 22	
H-12 17 11.0	
18.5N 145.1E	
h ABOUT 533KM	
EUR EP	12 28 52.0
MAR 22	
COL EP	13 27 54.0
EUR EP	13 31 26.2
MAR 22	
H-13 39 01.6	
03.2N 098.0E	
h ABOUT 033KM	
EUR EP*	13 58 08.0
ALQ EP*	13 58 12.0
MAR 22	
BOZ IP	14 19 40.5
IL	19 50.0
BUT EP	14 19 57.0
IS	20 14.0
HHM E(P)	14 20 37.0
EL	21 28.0
MAR 22	
H-15 56 19.8	
38.8N 118.8W	
h ABOUT 016KM	
EUR IP C	15 56 57.6
BCN IP C	15 57 25.5
IS	58 10.0
IL	58 31.4
FGU E(P)	15 58 21.4
IL	16 00 16.9
BOZ E(P)	15 58 28.0
E	58 47.0
EL	16 00 53.0
MAR 22	
H-16 30 55.2	
38.8N 118.7W	
h ABOUT 016KM	
EUR IP C	16 31 33.2
UKI E(P)	16 31 56.7
BCN IP C	16 32 00.0
ES	32 45.0
EL	33 07.0
SLC E(P)	16 32 25.0
IL	33 46.7
GCA E(P)	16 32 34.2
FGU EP	16 32 50.9
BOZ EP	16 33 03.5
IL	35 26.0
TUC EP	16 33 09.8
IL	35 39.0
HHM EP	16 33 25.0
EL	36 13.0
RCD EP	16 34 03.5
EL	37 45.0
COL EP	16 37 16.0
E	37 24.5
MAR 22	
COL EP	16 31 46.0
MAR 22	
H-16 39 50.3	
38.8N 118.8W	
h ABOUT 016KM	
EUR IP	16 40 30.6
IS	40 56.6
IL	41 01.6
BCN E(P)	16 40 58.4
ES	41 43.9
IL	42 01.0
MAR 22	
EUR IP	17 19 27.5
IL	19 58.5
MAR 22	
EUR IP	17 25 52.0
IL	26 23.0
MAR 22	
COL EP	17 29 55.2
BOZ EP	17 32 53.2
MAR 22	
H-18 14 49.6	
38.8N 118.8W	
h ABOUT 016KM	
EUR IP	18 15 27.4
IS	15 53.4
IL	16 00.4
BCN IP	18 15 55.6
ES	16 40.1
IL	17 01.1
MAR 22	
H-18 17 43.0	
38.9N 118.7W	
h ABOUT 016KM	
EUR IP	18 18 20.5
IS	18 45.0
IL	18 55.0
BCN E(P)	18 18 48.1
ES	19 32.8
IL	19 54.1
MAR 22	
KIP ET	19 02 26.0
MAR 22	
COL EP	21 04 39.0
EL	05 58.0
MAR 22	
TUC EP	22 51 25.2
MAR 22	
EUR IP	23 02 22.5
IL	02 57.5
MAR 23	
COL EP	00 14 17.0
EL	15 20.2
MAR 23	
H-00 45 01.5	
20.2S 176.5W	
h ABOUT 033KM	
EUR E(P)	00 57 19.2
COL IP	00 57 47.8
MAR 23	
HHM IP	03 10 12.0
ES	10 31.0
MAR 23	
H-03 35 44.9	
01.2S 078.7W	
h ABOUT 068KM	
SJP EP	03 40 45.0
EUR EP	03 44 57.2
BOZ EP	03 45 11.5
I	45 16.5
HHM EP	03 45 32.0
COL EP	03 48 01.0
MAR 23	
TUC EP	04 52 33.5
MAR 23	
H-06 12 25.5	
16.4N 105.1W	
h ABOUT 033KM	
TUC EP	06 16 19.5
EUR EP	06 17 47.6
BOZ EP	06 18 29.2
MAR 23	
BOZ E(P)	06 14 51.5
E(S)	15 26.0
EUR E(P)	06 15 35.0
RCD E(P)	06 16 09.0
MAR 23	
EUR IP	06 46 50.5
IL	47 25.5
MAR 23	
H-07 36 24.3	
37.2N 072.3E	
h ABOUT 143KM	
COL EP	07 47 44.0
MAR 23	
EUR IP	07 40 28.9
IL	40 36.4
MAR 23	
H-07 55 14.1	
77.0N 132.2W	
h ABOUT 016KM	

Date and Station	Phase (GCT)
	h m s
COL IP	07 58 22.0
IL	08 01 36.0
MAR 23	
SJP IP D	09 28 05.8
IS	28 24.0
MAR 23	
EUR EP	09 30 10.8
MAR 23	
TUC E(P)	09 37 44.0
MAR 23	
H-09 43 50.4	
46.2N 149.6E	
h ABOUT 033KM	
COL IP	09 51 08.8
BOZ EP	09 54 22.2
EUR EP	09 54 32.9
E	55 36.4
MAR 23	
TUC E(P)	09 51 26.5
MAR 23	
HHM IP	10 22 36.0
ES	22 44.8
MAR 23	
RCD E(P)	10 31 30.0
MAR 23	
BOZ EP	11 26 17.0
MAR 23	
H-13 40 26.3	
38.3N 073.7E	
h ABOUT 126KM	
COL IP D	13 51 38.1
IpP	52 14.0
E	52 28.0
HHM EP	13 53 27.9
BOZ EP	13 53 42.0
IpP	54 19.2
IsP	54 32.0
IPP	57 30.5
EUR EP	13 54 11.8
MAR 23	
H-15 32 55.0	
38.7N 118.8W	
h ABOUT 016KM	
EUR IP	15 33 33.8
IL	34 05.8
BCN IP C	15 33 59.5
ES	34 45.0
IL	35 05.5
FGU E(P)	15 34 52.6
IL	36 53.4
BOZ EP	15 35 04.0
E	35 30.0

Date and Station	Phase (GCT)
	h m s
MAR 23	
COL EP	15 40 43.0
IL	41 45.0
MAR 23	
RCD EP	17 23 23.0
MAR 23	
BOZ EP	17 26 16.0
MAR 23	
BHP IP	17 47 02.0
IS	47 15.0
MAR 23	
EUR IP	17 59 40.4
I(S)	18 00 02.9
MAR 23	
EUR IP	18 10 45.6
IL	11 18.6
MAR 23	
COL EP	19 18 05.0
MAR 23	
HHM E(P)	19 30 22.0
MAR 23	
GCA IP	20 32 41.9
ES	21 33 00.9
MAR 23	
FGU E(P)	22 14 58.9
ES	15 36.2
BOZ E(P)	22 15 19.0
RCD E(P)	22 15 45.0
MAR 23	
H-22 28 45.6	
19.3N 121.0E	
h ABOUT 033KM	
COL EP	22 40 16.0
MAR 23	
H-22 41 15.8	
17.6S 123.2E	
h ABOUT 033KM	
EUR EP'	23 00 15.8
BOZ EP'	23 00 26.0
MAR 24	
H-01 58 42.7	
25.2N 140.6E	
h ABOUT 181KM	
COL E(P)	02 08 27.0
E	09 07.5
BOZ IP	02 10 53.0
EUR IP	02 10 54.3
BCN EP	02 11 06.6
FGU E(P)	02 11 13.2
TUC EP	02 11 28.8

Date and Station	Phase (GCT)
	h m s
ALQ IP	02 11 37.0
MAR 24	
BOZ EP	05 03 46.5
MAR 24	
COL EP	05 44 37.0
MAR 24	
BOZ EP	07 57 56.5
MAR 24	
H-08 28 10.4	
19.2N 065.9W	
h ABOUT 058KM	
SJP IP D	08 28 27.4
ALQ E(P)	08 35 38.0
RCD EP	08 35 40.5
FGU E(P)	08 36 06.8
SLC E(P)	08 36 18.9
BOZ EP	08 36 29.0
EUR E(P)	08 36 42.5
COL IP	08 39 14.0
MAR 24	
H-09 37 56.2	
51.1N 129.6W	
h ABOUT 022KM	
BOZ EP	09 41 03.8
EL	44 55.0
EUR EP	09 41 30.6
COL EP	09 41 51.0
FGU E(P)	09 41 59.8
RCD IP	09 42 24.0
ALQ EP	09 43 03.0
TUC EP	09 43 03.5
MAR 24	
EUR EP	10 44 00.0
IL	44 31.9
MAR 24	
H-11 57 09.2	
24.7S 065.0W	
h ABOUT 095KM	
ALQ IP	12 08 20.0
EUR EP	12 09 09.0
MAR 24	
ALQ E(P)	13 41 53.0
MAR 24	
H-14 41 55.2	
11.7N 143.9E	
h ABOUT 051KM	

Date and Station	Phase (GCT)
	h m s
GUA EP	14 42 28.6
ES	42 49.0
EUR EP	14 54 54.7
MAR 24	
COL IP	14 47 50.9
I(S)	48 31.5
MAR 24	
ALQ E(P)	15 34 24.0
MAR 24	
TUC E(P)	17 16 44.0
MAR 24	
H-17 38 08.2	
27.7S 068.7W	
h ABOUT 076KM	
FGU E(P)	17 50 01.6
RCD EP	17 50 03.0
E	50 13.0
E	50 22.0
EUR IP	17 50 10.7
E	50 21.7
BOZ EP	17 50 24.0
MAR 24	
COL IP	18 38 53.1
MAR 24	
BCN EP	18 45 23.4
EUR EP	18 45 46.1
EL	46 38.0
MAR 24	
RCD EP	19 12 45.5
E(S)	12 56.0
MAR 24	
BOZ EP	19 14 23.0
EL	15 35.0
FGU E(P)	19 14 51.9
MAR 24	
BOZ EP	20 13 50.0
EL	14 23.0
FGU IP	20 14 30.2
MAR 24	
H-20 33 16.7	
45.2N 151.4E	
h ABOUT 033KM	
COL IP	20 40 34.5
MAR 24	
H-22 20 26.2	
36.1N 141.5E	
h ABOUT 050KM	
COL EP	22 29 16.0
BOZ EP	22 32 04.0
EUR EP	22 32 11.6

Date and Station	Phase (GCT)
	h m s
MAR 24	
EUR IP	23 06 02.8
IL	06 38.3
MAR 24	
GUA EP	23 52 05.0
MAR 24	
H-23 57 07.8	
38.7N 118.7W	
h ABOUT 016KM	
EUR IP	23 57 45.8
IS	58 10.3
IL	58 17.8
BCN E(P)	23 58 11.9
E(S)	58 56.9
IL	59 18.1
MAR 24	
GUA EP	23 57 31.0
MAR 25	
GUA EP	00 29 41.0
MAR 25	
GUA EP	00 41 39.0
MAR 25	
COL EP	01 53 24.0
MAR 25	
H-02 43 23.5	
36.3N 140.9E	
h ABOUT 067KM	
GUA E(P)	02 48 23.0
COL IP	02 52 12.8
EpP	52 24.0
HHM EP	02 54 45.0
pP	54 57.0
EUR IP	02 55 10.0
IpP	55 22.5
BUT EpP	02 55 11.0
BCN EP	02 55 25.3
E	55 35.8
RCD EP	02 55 36.0
TUC EP	02 55 50.4
MAR 25	
H-03 45 07.5	
6.9N 072.9W	
h ABOUT 171KM	
TUC E(P)	03 52 54.5
MAR 25	
EUR IP	04 38 07.1
IS	38 34.6
IL	38 42.1
MAR 25	
H-04 52 07.8	
36.3N 141.1E	
h ABOUT 060KM	

Date and Station	Phase (GCT)
	h m s
COL IP	05 00 56.8
HHM EP	05 03 29.0
EUR IP	05 03 54.0
IpP	04 09.6
TUC E(P)	05 04 34.5
MAR 25	
GUA E(P)	05 20 14.0
MAR 25	
SJP EP	05 52 42.0
MAR 25	
GUA E(P)	06 04 29.0
MAR 25	
GUA E(P)	06 21 15.0
MAR 25	
H-07 48 35.9	
08.7S 108.1W	
h ABOUT 033KM	
EUR EP	07 57 17.3
COL IP	07 54 36.9
MAR 25	
H-08 46 16.0	
40.4N 124.4W	
h ABOUT 033KM	
UKI IP	08 46 41.0
EUR IP	08 47 53.1
BOZ EP	08 48 50.0
HHM EP	08 48 51.0
MAR 25	
H-10 08 06.8	
07.7N 075.3W	
h ABOUT 048KM	
BHP IP	10 09 11.5
IS	10 05.0
SJP EP	10 11 23.0
I	11 32.0
E	14 05.0
CSC IP	10 13 45.0
ALQ IP	10 15 34.0
EsP	15 51.0
TUC EP	10 15 47.2
RCD IP	10 16 09.0
GCA IP	10 16 12.1
FGU E(P)	10 16 19.2
BCN EP	10 16 25.6
EPP	18 13.0
EUR IP	10 16 45.2
BOZ IP	10 16 50.0

Date and Station	Phase (GCT)
	h m s
HHM EP	10 17 12.2
COL IP	10 19 47.8
MAR 25	
TUC EP	10 12 51.0
MAR 25	
H-10 34 41.2	
44.9N 149.5E	
h ABOUT 033KM	
COL EP	10 42 08.0
BOZ EP	10 45 16.0
EUR EP	10 45 27.5
MAR 25	
GUA E(P)	10 57 30.5
MAR 25	
H-11 33 48.4	
19.7S 175.9W	
h ABOUT 170KM	
BCN EP	11 45 40.9
E	45 50.4
EUR EP	11 45 45.3
TUC IP	11 45 46.0
ALQ IP	11 46 08.0
COL EP	11 46 14.2
E	46 26.7
EsP	47 10.0
BOZ IP	11 46 17.0
EsP	10 47 13.0
MAR 25	
GUA EP	11 55 02.2
MAR 25	
COL IP	14 44 42.8
MAR 25	
TUC EP	15 30 06.2
MAR 25	
H-15 32 26.0	
20.1S 168.8E	
h ABOUT 033KM	
COL EP	15 45 26.0
BCN EP	15 45 29.5
EUR EP	15 45 31.6
MAR 25	
COL EP	16 50 45.0
MAR 25	
ALQ EP	17 03 07.0
MAR 25	
FGU IP	18 44 14.8

Date and Station	Phase (GCT)
	h m s
MAR 25	
H-20 17 24.7	
05.8S 104.0E	
h ABOUT 033KM	
BOZ EP'	20 36 34.0
EUR EP'	20 36 36.8
E	39 54.9
MAR 25	
TUC EP	22 51 16.2
MAR 25	
ALQ EP	23 05 16.0
MAR 25	
FGU EP	23 07 14.0
IS	07 36.5
MAR 25	
HHM E(P)	23 11 03.6
ES	11 36.6
MAR 25	
ALQ EP	23 32 43.0
MAR 26	
GUA IP	00 20 51.2
MAR 26	
H-01 16 08.8	
10.3N 122.6E	
h ABOUT 053KM	
COL IP	01 28 16.8
MAR 26	
BHP IP	01 21 46.0
IS	22 11.0
MAR 26	
H-01 43 04.2	
21.5S 174.6W	
h ABOUT 033KM	
ALQ IP	01 55 42.0
MAR 26	
BOZ EP	02 02 32.0
MAR 26	
BHP IP	02 05 29.0
MAR 26	
H-02 04 20.2	
11.3N 142.0E	
h ABOUT 033KM	
GUA IP	02 05 12.0
COL IP	02 15 36.1
HHM EP	02 17 21.6
EUR IP	02 17 27.9
I	17 47.1
BCN EP	02 17 37.0
SLC E(P)	02 17 49.6

Date and Station	Phase (GCT)
	h m s
HON E	02 14 50.0
E	22 20.0
EL	28 12.0
MAR 26	
BCN E(P)	04 26 56.3
EL	27 17.0
MAR 26	
COL IP	04 38 30.0
MAR 26	
H-05 25 02.8	
5.1S 076.6W	
h ABOUT 100KM	
ALQ IP	05 33 40.0
E	34 09.0
TUC EP	05 33 44.2
EUR EP	05 34 43.1
EPCP	35 34.5
MAR 26	
ALQ EP	06 14 08.0
MAR 26	
BOZ E(P)	06 24 17.0
EL	24 54.0
MAR 26	
H-06 30 51.1	
13.7N 120.6E	
h ABOUT 118KM	
COL EP	06 42 40.0
MAR 26	
H-07 13 04.5	
46.4N 145.1E	
h ABOUT 180KM	
COL IP C	07 20 22.1
BOZ IP	07 23 35.0
EUR IP C	07 23 47.3
TUC EP	07 24 33.8
ALQ IP	07 24 38.0
MAR 26	
H-07 43 39.1	
39.1N 010.7W	
h ABOUT 033KM	
BOZ E(P)	07 54 50.0
COL EP	07 54 55.0
EUR EP	07 55 25.4
MAR 26	
H-09 15 33.4	
8.3N 121.8E	
h ABOUT 059KM	
COL EP	09 27 52.0
E	28 01.5
EUR EP	09 30 05.5
EP'	34 09.7
BOZ E▸P'	09 34 08.0
E	34 29.0
ALQ EP'	09 34 16.0
EPP	34 28.0
MAR 26	
FGU IP	10 23 38.8
MAR 26	
H-12 15 47.4	
06.8S 129.3E	
h ABOUT 156KM	
COL EP	12 28 43.0
E▸P	29 21.0
EUR EP'	12 34 08.6
ESKP	37 28.6
EPKKP	44 54.4
TUC EP'	12 34 20.4
ALQ IP'	12 34 26.0
E▸P'	35 06.0
MAR 26	
BHP EP	13 27 30.0
MAR 26	
HHM EP	13 36 12.6
MAR 26	
H-13 29 56.2	
04.4S 104.7W	
h ABOUT 033KM	
TUC EP	13 37 04.8
ES	42 46.0
ALQ EP	13 37 24.0
BCN EP	13 37 40.5
EPCP	39 43.5
SLC EP	13 38 14.5
EUR EP C	13 38 10.5
FGU E(P)	13 38 13.7
RCD EP	13 38 38.0
E	39 27.0
BOZ EP	13 38 49.0
COL EP	13 41 42.0
HON ES	13 48 00.0
EL	54 05.0
KIP ES	13 48 08.0
EL	54 45.0
MAR 26	
H-15 42 48.3	
04.7S 104.6W	
h ABOUT 033KM	
EUR IP	15 51 03.6
MAR 26	
COL EP	15 43 40.0
MAR 26	
BOZ EP	17 20 33.0
MAR 26	
BHP IP	17 35 02.0
IS	35 40.0
MAR 26	
H-19 37 27.6	
39.3N 143.3E	
h ABOUT 033KM	
COL EP	19 45 54.0
BOZ EP	19 48 50.0
EUR EP	19 48 58.2
ALQ EP	19 49 48.0
MAR 26	
ALQ EP	21 16 42.0
TUC E(P)	21 17 08.8
MAR 26	
ALQ EP	22 00 30.5
MAR 26	
BOZ EP	22 10 04.9
MAR 26	
BCN EP	22 44 50.7
EL	45 33.7
MAR 26	
ALQ EP	22 56 21.5
MAR 27	
BCN IP	00 42 47.9
IS	43 00.9
MAR 27	
COL IP	01 03 31.8
IS	03 50.5
MAR 27	
ALQ E(P)	01 16 15.0
MAR 27	
H-03 37 40.8	
30.4S 071.5W	
h ABOUT 048KM	
ALQ EP	03 49 07.0
EUR EP	03 49 51.7
MAR 27	
H-04 30 33.0	
25.9N 095.8E	
h ABOUT 093KM	
COL EP	04 42 18.0
IPCP	42 29.7
IsP	42 53.2
BOZ EP'	04 48 31.0
E	48 49.0
EUR EP'	04 48 52.6
ALQ IP'	04 49 07.0
TUC EP'	04 49 08.4
MAR 27	
BHP IP	06 15 54.0
IS	16 30.0
MAR 27	
TUC EP	06 20 37.8
IL	21 25.0
MAR 27	
BHP IP	06 46 34.0
IS	47 45.0
MAR 27	
BHP IP	07 00 07.0
IS	00 43.0
MAR 27	
RCD IP	07 10 24.0
MAR 27	
H-08 01 30.5	
11.5S 166.2E	
h ABOUT 093KM	
COL EP	08 13 48.0
EUR EP	08 14 13.7
MAR 27	
COL EP	08 07 56.0
MAR 27	
GUA IP	10 04 31.1
ES	04 43.8
MAR 27	
EUR IP	10 52 39.0
E(S)	52 49.0
BCN EP	10 53 31.5
MAR 27	
TUC E(P)	11 28 44.4
MAR 27	
BCN IP D	11 46 43.8
IS	46 48.0
EUR EP	11 47 39.0
MAR 27	
EUR EP	12 48 22.9
ES	48 35.9
MAR 27	
H-13 33 54.1	
19.0S 167.5E	
h ABOUT 033KM	
BCN EP	13 46 59.5
E▸P	47 10.5
EUR EP	13 47 01.5
E▸P	47 13.0
TUC E(P)	13 47 07.8
MAR 27	
EUR IP	13 52 00.0
IL	52 32.5

Date and Station	Phase (GCT)
	h m s
BCN EP	13 52 38.8
EL	53 35.0
MAR 27	
FGU IP	15 03 44.9
I	03 55.9
IL	04 13.4
EUR E(P)	15 04 28.0
MAR 27	
COL EP	15 17 12.3
MAR 27	
H-17 12 36.3	
9.2N 084.0W	
h ABOUT 033KM	
BHP IP	17 13 44.0
IS	14 42.0
EUR EP	17 20 22.8
MAR 27	
H-17 27 35.5	
9.4N 083.9W	
h ABOUT 033KM	
BHP IP	17 28 42.5
IS	29 40.0
CSC E(P)	17 32 59.0
BCN EP	17 34 59.0
E	35 10.0
EUR EP	17 35 21.6
BOZ EP	17 35 33.9
COL EP	17 38 48.0
MAR 27	
ALQ IP	19 11 02.0
E	11 27.0
MAR 27	
BCN IP C	19 15 44.2
IS	15 55.0
MAR 27	
RCD E(P)	19 38 09.0
MAR 27	
BCN E(P)	20 01 08.0
E	02 08.0
EUR E(P)	20 01 37.7
E	02 02.0
EL	03 25.0
MAR 27	
H-20 22 10.6	
23.7S 179.9E	
h ABOUT 520KM	
HON EP	20 30 15.0
IS	36 46.0
E	39 22.0
E	43 28.0
KIP IP	20 30 16.1
GUA EP	20 30 20.1
UKI EP	20 33 37.4
BCN IP	20 33 55.2
E▸P	35 55.7
E▸PP	39 18.0
TUC IP C	20 34 00.0
E▸P	35 56.0
EPP	37 36.0
E▸PP	39 22.0
EUR IP C	20 34 00.2
E▸P	35 56.0
EsP	36 57.0
E▸PP	39 22.4
SLC IP	20 34 16.5
ALQ IP	20 34 20.0
E▸P	36 18.0
E▸PP	39 42.0
COL EP	20 34 22.0
E▸P	36 20.0
FGU IP	20 34 23.8
BOZ EP	20 34 27.0
E	36 17.0
EPP	38 17.0
MAR 27	
FGU EP	21 11 38.2
E(S)	12 11.0
MAR 27	
EUR E(P)	21 25 48.1
MAR 27	
BCN E(P)	22 52 48.8
EL	53 23.0
MAR 27	
H-23 03 41.7	
27.2N 089.3E	
h ABOUT 032KM	
COL EP	23 15 42.0
MAR 27	
ALQ EP	23 11 31.0
MAR 27	
EUR EP	23 35 30.3
EL	36 34.3
MAR 28	
EUR IP	00 35 46.1
ES	36 05.0
MAR 28	
EUR EP	00 37 24.3
ES	37 48.3
MAR 28	
H-03 33 44.5	
35.9N 114.9W	
h ABOUT 005KM	
BCN IP	03 33 48.5
EUR E(P)	03 34 41.5
ES	35 23.5
IL	35 40.5
MAR 28	
H-03 36 14.2	
61.0N 147.8W	
h ABOUT 033KM	
COL IP C	03 37 15.6
SIT EP D	03 38 00.8
HHM EP D	03 41 16.7
BUT EP D	03 41 38.2
BOZ EP D	03 41 46.0
UKI IP D	03 41 53.5
EUR IP D	03 42 14.5
SLC IP D	03 42 20.1
FGU IP D	03 42 27.9
RCD IP D	03 42 33.8
BCN IP D	03 42 44.9
ALQ IP D	03 43 22.9
TUC EP D	03 43 26.5
KIP EP D	03 43 49.0
HON IP D	03 43 53.8
WAS EP	03 44 50.0
PHI EP	03 44 53.0
I	44 59.6
E	52 07.7
CSC IP D	03 45 03.0
GUA EP C	03 47 11.0
SJP EP D	03 47 24.6
ES	56 23.0
IL	04 05 07.0
BHP IP D	03 47 34.0
MAR 28	
EUR IP C	03 36 48.5
IS	37 00.5
MAR 28	
SJP I(P)	04 50 22.8
H-05 33 52.6	
60.2N 146.2W	
h ABOUT 020KM	
SJP I(P)	05 45 00.0
MAR 28	
H-05 35 38.4	
57.2N 153.0W	
h ABOUT 033KM	
GUA EP	05 46 08.0
MAR 28	
H-05 44 54.9	
60.1N 148.4W	
h ABOUT 033KM	
BCN EP	05 51 24.8
MAR 28	
H-06 08 44.2	
60.1N 148.6W	
h ABOUT 020KM	
FGU IP	06 15 00.3
RCD IP	06 15 07.5
BCN IP D	06 15 16.2
SJP I(P)	06 19 57.0
MAR 28	
RCD IP	06 13 39.0
MAR 28	
RCD IP	06 22 29.8
MAR 28	
H-06 29 17.4	
57.7N 150.8W	
h ABOUT 020KM	
RCD IP	06 35 51.0
MAR 28	
SJP E(P)	06 35 07.5
I	35 20.0
MAR 28	
SJP I(P)	06 36 42.0
MAR 28	
RCD IP	06 43 30.0
MAR 28	
H-06 41 28.0	
59.9N 147.8W	
h ABOUT 015KM	
SLC EP	06 47 32.5
FGU I(P)	06 47 41.3
RCD IP	06 47 49.0
I	48 33.0
BCN IP D	06 47 56.4
HON IP	06 48 57.7
MAR 28	
H-06 43 57.4	
58.3N 151.3W	
h ABOUT 025KM	
BCN IP	06 50 30.0
I▸P	50 38.0
IPCP	53 14.8
RCD IP	06 50 31.0
KIP IP	06 51 08.5
HON IP	06 51 09.0

Date and Station	Phase	(GCT) h m s
SJP	IP D	06 55 19.8
	I	55 26.5
MAR 28		
H-06 50 48.9		
57.1N 152.3W		
h ABOUT 033KM		
RCD	IP	06 57 26.0
SJP	E(P)	07 02 26.5
	E	02 35.4
MAR 28		
H-06 53 35.6		
58.8N 149.5W		
h ABOUT 020KM		
FGU	I(P)	06 59 52.1
RCD	IP	07 00 03.0
BCN	EP	07 00 04.7
	EPCP	02 52.5
KIP	IP	07 00 52.6
HON	IP	07 00 54.0
SJP	EP	07 04 52.5
	E▸P	05 00.7
MAR 28		
BCN	E(P)	06 57 42.2
MAR 28		
SJP	IP	07 03 06.5
FGU	IP	07 13 08.1
	IS	13 33.1
SLC	EP	07 13 41.0
MAR 28		
H-07 09 12.0		
60.0N 147.5W		
h ABOUT 033KM		
BCN	IP D	07 15 36.7
MAR 28		
H-07 10 21.4		
58.8N 149.5W		
h ABOUT 020KM		
UKI	EP	07 15 54.0
SLC	EP	07 16 28.0
FGU	IP	07 16 38.1
RCD	IP	07 16 48.0
BCN	IP D	07 16 50.6
	I▸P	16 57.6
KIP	IP	07 17 38.0
HON	IP	07 17 39.5
SJP	IP D	07 21 38.0
	I▸P	21 44.2

Date and Station	Phase	(GCT) h m s
MAR 28		
SJP	E(P)	07 23 05.7
MAR 28		
H-07 24 21.7		
59.3N 149.8W		
h ABOUT 020KM		
BCN	IP C	07 30 54.0
	I▸P	31 01.0
MAR 28		
H-07 28 20.5		
57.9N 150.4W		
h ABOUT 020KM		
FGU	EP	07 34 38.6
BCN	EP	07 34 49.0
	E▸P	34 56.0
SJP	E(P)	07 39 41.1
MAR 28		
H-07 30 29.6		
57.4N 151.7W		
h ABOUT 015KM		
SLC	E(P)	07 36 38.9
FGU	IP	07 36 53.3
BCN	EP D	07 37 01.5
	I	37 07.0
	IPP	38 16.8
	I(PCP)	39 47.8
	ESCP	43 30.0
	sSCP	43 45.0
RCD	IP	07 37 06.0
HON	EP	07 37 36.0
SJP	IP C	07 41 55.5
MAR 28		
SJP	E(P)	07 43 00.0
MAR 28		
BCN	EP	07 44 38.5
MAR 28		
H-07 47 47.1		
58.3N 150.2W		
h ABOUT 033KM		
HHM	EP	07 52 55.9
BCN	EP	07 54 13.7
	E	54 25.5
MAR 28		
H-07 48 47.8		
57.0N 153.3W		
h ABOUT 015KM		
HHM	EP	07 54 14.7
FGU	I(P)	07 55 18.0
BCN	EP	07 55 25.5
	E▸P	55 30.6
	EPCP	58 07.4
	E▸PCP	58 13.0

Date and Station	Phase	(GCT) h m s
RCD	IP	07 55 31.0
KIP	ET	08 32 20.0
MAR 28		
HHM	EP	07 48 56.7
MAR 28		
BCN	EP	07 49 21.8
MAR 28		
BCN	EP	07 50 24.2
	E	50 29.0
TUC	EP	07 51 06.5
MAR 28		
H-07 52 00.8		
57.1N 154.0W		
h ABOUT 033KM		
HHM	EP	07 57 27.2
BCN	EP	07 58 39.8
	E	58 44.5
MAR 28		
H-07 55 08.4		
58.4N 150.1W		
h ABOUT 025KM		
HHM	EP	07 59 43.7
BCN	EP	08 01 36.5
	E▸P	01 44.0
MAR 28		
H-07 59 40.7		
57.9N 150.3W		
h ABOUT 025KM		
HHM	IP	08 04 51.7
FGU	EP	08 05 57.7
BCN	EP	08 06 08.0
	E▸P	06 15.5
RCD	EP	08 06 10.0
MAR 28		
BCN	EP	08 06 56.0
MAR 28		
HHM	EP	08 10 36.2
FGU	E(P)	08 11 43.7
BCN	EP	08 11 57.5
MAR 28		
HHM	E(P)	08 11 23.7
ALQ	IP	08 14 49.8
MAR 28		
H-08 13 09.5		
59.6N 148.8W		
h ABOUT 033KM		
HHM	IP	08 18 14.7
BCN	EP	08 19 38.5

Date and Station	Phase	(GCT) h m s
MAR 28		
HHM	IP	08 13 36.9
TUC	EP	08 15 48.4
MAR 28		
HHM	IP	08 14 50.7
MAR 28		
BCN	E(P)	08 19 30.0
MAR 28		
HHM	IP	08 20 38.2
BCN	E(P)	08 22 07.0
MAR 28		
HHM	E(P)	08 28 53.7
MAR 28		
HHM	EP	08 29 57.7
MAR 28		
H-08 30 11.7		
60.5N 147.0W		
h ABOUT 033KM		
ALQ	IP	08 37 15.0
MAR 28		
HHM	IP	08 30 23.7
MAR 28		
HHM	EP	08 31 27.7
MAR 28		
H-08 32 33.7		
61.0N 143.1W		
h ABOUT 015KM		
HHM	EP	08 37 18.9
FGU	EP	08 38 32.1
ALQ	IP	08 39 28.0
TUC	IP	08 39 32.0
MAR 28		
H-08 33 47.0		
58.1N 151.1W		
h ABOUT 025KM		
HHM	IP	08 39 01.2
UKI	EP	08 39 19.7
BUT	E(P)	08 39 24.0
SLC	EP	08 39 58.5
FGU	IP	08 40 08.4
BCN	IP D	08 40 19.0
	I▸P	40 26.2
	IPCP	43 04.4
	E▸PCP	43 10.5
RCD	IP	08 40 20.0
	E▸P	40 27.0
HON	EP	08 40 57.0
KIP	EP	08 40 57.0

Date and Station	Phase (GCT)
	h m s
TUC IP D	08 41 01.0
ALQ IP	08 41 01.0
CSC IP	08 42 50.0
E▸P	42 57.0
E	46 06.0
SJP EP	08 45 09.2
I▸P	45 16.0
MAR 28	
HHM EP	08 35 51.5
MAR 28	
H-08 39 54.9	
57.5N 151.6W	
h ABOUT 020KM	
HHM IP	08 45 10.8
UKI EP	08 45 29.3
BCN IP D	08 46 27.0
E	46 39.2
EPP	47 42.0
E▸PP	47 50.8
IPCP	49 12.5
I▸PCP	49 19.2
RCD IP	08 46 30.0
ALQ IP	08 47 05.0
IPCP	49 28.0
TUC IP D	08 47 09.2
CSC IP	08 49 01.0
E▸P	49 08.0
SJP EP	08 51 19.5
MAR 28	
BCN E(P)	08 43 16.8
E	43 23.5
MAR 28	
HHM EP	08 43 41.7
MAR 28	
FGU EP	08 44 58.7
SLC E(P)	08 45 03.5
I	45 06.8
ALQ IP	08 46 20.0
MAR 28	
HHM IP	08 47 28.7
BUT E(P)	08 47 51.0
MAR 28	
FGU EP	08 48 11.7
MAR 28	
HHM E(P)	08 48 34.7
MAR 28	
RCD IP	08 49 58.0

Date and Station	Phase (GCT)
	h m s
MAR 28	
H-08 47 06.3	
59.5N 148.1W	
h ABOUT 033KM	
HHM E(P)	08 52 05.7
MAR 28	
H-08 52 44.6	
60.3N 147.6W	
h ABOUT 033KM	
HHM EP	08 57 43.7
MAR 28	
H-08 55 12.1	
58.3N 149.3W	
h ABOUT 020KM	
HHM EP	09 00 18.7
FGU E(P)	09 01 26.7
BCN EP	09 01 37.0
E▸P	01 44.2
TUC EP	09 02 18.5
I	02 33.8
CSC E(P)	09 04 17.0
MAR 28	
H-08 55 22.8	
56.7N 151.9W	
h ABOUT 025KM	
BCN E(P)	09 01 52.8
E▸P	02 01.2
EPCP	04 38.0
ALQ IP	09 02 38.5
KIP ET	09 39 10.0
MAR 28	
H-08 59 03.7	
57.4N 151.8W	
h ABOUT 033KM	
HHM EP	09 04 18.7
E	04 44.7
FGU IP	09 05 25.7
BCN EP	09 05 34.0
MAR28	
H-09 01 00.5	
56.5N 152.0W	
h ABOUT 020KM	
HHM EP	09 06 14.7
UKI EP	09 06 32.4
BUT E(P)	09 06 41.0
BOZ EP	09 06 46.0
SLC E(P)	09 07 13.1
FGU IP	09 07 23.1

Date and Station	Phase (GCT)
	h m s
BCN IP C	09 07 30.8
I▸P	07 38.0
E	08 46.0
E	08 53.5
E	10 16.0
RCD IP	09 07 37.0
TUC IP C	09 08 13.2
ALQ IP	09 08 15.0
CSC IP	09 10 09.0
EPCP	11 22.0
SJP IP C	09 12 27.3
MAR 28	
H-09 05 56.4	
56.6N 153.2W	
h ABOUT 025KM	
HHM EP	09 11 17.7
ESCS	18 31.7
FGU I(P)	09 12 24.2
BCN EP D	09 12 31.5
I▸P	12 39.0
EPCP	15 15.0
E▸PCP	15 23.0
TUC IP D	09 13 14.0
CSC E(P)	09 15 11.0
ALQ IPCP	09 15 38.0
SJP E▸P	09 17 34.0
KIP ET	09 49 35.0
MAR 28	
H-09 13 56.6	
59.4N 151.2W	
h ABOUT 035KM	
FGU IP	09 20 20.9
RCD IP	09 20 30.0
BCN IP D	09 20 33.2
E▸P	20 44.0
PCP	23 14.0
E	23 27.0
TUC IP	09 21 15.0
CSC EP	09 22 59.0
SJP IP C	09 25 16.9
MAR 28	
H-09 17 52.6	
57.4N 151.6W	
h ABOUT 025KM	
HHM E(P)	09 23 06.8
FGU I(P)	09 24 15.3
BCN EP	09 24 22.5
E▸P	24 30.0

Date and Station	Phase (GCT)
	h m s
MAR 28	
ALQ IP	09 19 17.0
MAR 28	
HHM EP	09 19 44.3
MAR 28	
BCN EP	09 25 12.3
MAR 28	
FGU I(P)	09 27 43.2
SLC EP	09 27 48.6
MAR 28	
HHM E(P)	09 27 52.8
MAR 28	
HHM EP	09 28 33.3
MAR 28	
RCD EP	09 29 26.0
MAR 28	
TUC EP	09 30 43.8
MAR 28	
H-09 26 16.5	
61.3N 148.8W	
h ABOUT 033 KM	
HHM E(P)	09 31 25.8
BCN EP	09 32 51.5
TUC EP	09 33 33.0
ALQ I(P)	09 33 36.0
MAR 28	
H-09 34 01.5	
56.8N 152.3W	
h ABOUT 020KM	
BCN EP	09 40 34.0
E▸P	40 40.5
KIP EP	09 40 57.0
TUC EP	09 41 16.5
KIP ET	10 17 40.0
MAR 28	
SLC E(P)	09 44 30.6
I	44 39.4
FGU EP	09 44 31.7
I	44 35.2
MAR 28	
H-09 45 07.8	
59.1N 151.5W	
h ABOUT 033KM	
BCN E(P)	09 51 42.5
E	51 53C0
ALQ E(P)	09 52 26.0
MAR 28	
RCD EP	09 46 20.0

Date and Station	Phase	(GCT) h m s
MAR 28		
KIP	ET	09 54 33.0
MAR 28		
BCN	EP	09 52 52.0
	E	52 55.5
MAR 28		
FGU	EP	09 53 54.7
MAR 28		
FGU	IP	09 54 01.2
SLC	EP	09 53 59.1
	I	03 54 06.4
HHM	EP	09 54 21.8
RCD	EP	09 54 27.0
MAR 28		
H-09 52 55.7		
59.7N 146.6W		
h ABOUT 030KM		
BOZ	EP	09 58 19.5
UKI	EP	09 58 22.0
SLC	IP	09 58 53.6
FGU	I(P)	09 59 00.7
RCD	EP	09 59 09.0
BCN	EP D	09 59 15.6
TUC	EP	09 59 58.5
ALQ	IP	09 59 56.0
CSC	IP	10 01 40.0
	E▸P	01 48.0
	EL	12 53.0
SJP	E(P)	10 04 01.5
MAR 28		
ALQ	IP	09 54 50.5
MAR 28		
BCN	EP	09 55 12.3
MAR 28		
ALQ	IP	09 56 11.0
MAR 28		
H-09 59 02.1		
61.2N 137.7W		
h ABOUT 020KM		
BCN	EP	10 05 02.5
	E	05 09.0
MAR 28		
SLC	IP	09 59 09.9
MAR 28		
HHM	EP	09 59 45.8
MAR 28		
FGU	EP	10 01 29.0
MAR 28		
FGU	EP	10 03 16.9
MAR 28		
HHM	E(P)	10 05 20.8
MAR 28		
HHM	EP	10 06 35.8
MAR 28		
H-10 08 45.0		
42.9N 101.6W		
h ABOUT 041KM		
RCD	IP	10 09 13.0
FGU	IP	10 10 14.4
SLC	EP	10 10 39.3
	EL	12 07.6
ALQ	IP C	10 10 56.2
	I	11 27.0
BCN	E(P)	10 11 42.2
	E	11 49.2
	EL	15 03.0
TUC	EP	10 11 48.6
MAR 28		
HHM	EP	10 09 11.8
BUT	P	10 09 35.0
MAR 28		
HHM	EP	10 12 47.8
MAR 28		
H-10 15 41.9		
59.6N 149.4W		
h ABOUT 020KM		
BCN	EP	10 22 14.0
	E	22 21.0
MAR 28		
HHM	IP	10 18 28.9
MAR 28		
FGU	E(P)	10 23 47.7
MAR 28		
H-10 17 48.5		
56.6N 152.2W		
h ABOUT 015KM		
BCN	EP	10 24 21.2
ALQ	E▸P	10 25 12.0
MAR 28		
RCD	IP	10 25 18.0
	E(S)	25 37.0
FGU	EP	10 26 19.2
MAR 28		
H-10 25 34.2		
58.8N 149.8W		
h ABOUT 033KM		
TUC	EP	10 33 03.0
MAR 28		
FGU	I(P)	10 29 41.0
BCN	EP	10 30 59.6
	E	32 22.0
MAR 28		
H-10 33 00.2		
57.7N 152.2W		
h ABOUT 035KM		
HHM	EP	10 38 16.8
FGU	IP	10 39 23.9
BCN	EP	10 39 33.6
	E▸P	39 43.5
RCD	IP	10 39 36.5
KIP	EP	10 40 05.0
TUC	IP	10 40 16.0
ALQ	IP	10 40 16.5
MAR 28		
GUA	E(P)	10 45 56.5
MAR 28		
H-10 35 31.2		
60.9N 143.7W		
h ABOUT 025KM		
HHM	EP	10 40 14.8
SLC	IP	10 41 22.6
FGU	I(P)	10 41 26.7
BCN	EP	10 41 48.6
	E	41 56.0
TUC	IP D	10 42 30.5
CSC	E(P)	10 44 05.0
MAR 28		
H-10 35 38.9		
57.2N 152.4W		
h ABOUT 033KM		
UKI	EP	10 41 13.0
FGU	IP	10 42 02.7
BCN	IP C	10 42 12.0
	I	42 20.5
	IPCP	44 56.0
	ES	47 33.0
	ESCP	48 39.5
	E	48 48.0
HON	EP	10 42 40.0
PHI	EP	10 44 41.0
CSC	IP	10 44 46.0
	E	44 54.0
MAR 28		
FGU	EP	10 40 52.7
SLC	E(P)	10 41 18.2
MAR 28		
KIP	ET	10 41 17.0
MAR 28		
HHM	EP	10 45 21.8
MAR 28		
H-10 49 23.2		
59.1N 148.3W		
h ABOUT 015KM		
BCN	EP	10 55 49.0
	E	55 54.0
TUC	EP	10 56 31.0
MAR 28		
RCD	IP	10 51 06.0
MAR 28		
ALQ	IP	10 53 28.0
MAR 28		
H-10 53 44.8		
60.1N 147.6W		
h ABOUT 020KM		
BCN	EP	11 00 12.0
MAR 28		
H-10 57 18.1		
60.6N 144.7W		
h ABOUT 033KM		
BCN	E(P)	11 03 35.5
MAR 28		
BCN	E(P)	10 58 41.2
ALQ	IP	10 58 56.0
MAR 28		
H-10 59 16.3		
57.4N 151.6W		
h ABOUT 030KM		
FGU	IP	11 05 37.7
BCN	IP C	11 05 46.8
	E	05 52.0
	I	05 58.5
RCD	EP	11 05 50.0
TUC	IP C	11 06 28.8
MAR 28		
H-11 02 22.7		
58.2N 149.9W		
h ABOUT 030KM		
BCN	EP	11 08 49.0
	E	08 58.8
MAR 28		
HHM	EP	11 06 29.5
MAR 28		
HHM	EP	11 07 09.0
MAR 28		
H-11 08 26.0		
60.1N 148.4W		
h ABOUT 015KM		

Date and Station	Phase (GCT) h m s
HHM IP	11 13 31.8
UKI EP	11 14 03.5
BCN IP D	11 14 57.7
I▸P	15 02.7
FPPP	16 19.7
EPCP	18 44.5
E▸PCP	18 50.5
ESCP	21 28.0
ALQ IP	11 15 37.0
ESCP	21 44.0
TUC IP D	11 15 39.4
CSC IP	11 17 20.0
SJP EP	11 19 40.0
MAR 28	
BCN EP	11 08 31.2
MAR 28	
HHM EP	11 08 31.8
I	08 42.9
MAR 28	
HHM EP	11 12 23.8
BUT EP	11 13 42.0
FGU EP	11 13 56.4
I	14 02.7
SLC E(P)	11 13 58.9
E	14 03.1
MAR 28	
SJP EP	11 20 27.5
MAR 28	
MAR 28	
H-11 24 57.5	
56.4N 149.7W	
h ABOUT 025KM	
BCN EP	11 31 17.0
MAR 28	
BCN E(P)	11 28 23.5
TUC EP	11 28 56.4
MAR 28	
H-11 30 09.8	
.5N 122.3E	
h ABOUT 140KM	
GUA EP	11 35 31.0
HON EP	11 42 09.0
KIP EP	11 42 09.0
BCN EP	11 44 56.5
EP'	48 39.0
I▸P'	49 11.0
EPP	50 09.0
FGU EP'	11 48 33.2
I	48 42.0
BUT EP'	11 48 36.0
EPP	48 16.0
TUC IP'	11 48 46.2
I▸P'	49 19.5
RCD IP'	11 48 48.0
ALQ EP'	11 48 52.0
CSC EP'	11 49 13.0
EPKS	52 44.0
SJP IP'D	11 49 53.0
I	50 34.0
I	51 02.5
MAR 28	
BCN EP	11 31 40.0
E	31 47.7
TUC EP	11 32 28.0
MAR 28	
H-11 32 19.0	
59.0N 149.5W	
h ABOUT 020KM	
HHM IP	11 37 27.3
FGU EP	11 38 36.0
BCN EP	11 38 48.5
I▸P	38 55.4
EPP	39 59.0
EPCP	41 35.5
E▸PCP	41 42.0
TUC EP	11 39 30.5
KIP IP	11 39 37.1
MAR 28	
HHM E(P)	11 41 10.8
MAR 28	
ALQ EP	11 42 13.0
KIP EP	11 42 38.0
HON IP	11 42 38.9
MAR 28	
HHM E(P)	11 44 08.8
MAR 28	
H-11 50 01.9	
58.2N 149.8W	
h ABOUT 025KM	
HHM EP	11 55 08.8
EUR E(P)	11 55 57.6
FGU I(P)	11 56 17.2
BCN EP	11 56 28.4
E	56 40.0
PPP	57 43.5
IPCP	59 17.0
TUC IP	11 57 10.4
MAR 28	
HHM IP	12 00 04.3
BCN E(P)	12 01 39.5
MAR 28	
H-11 56 48.3	
57.6N 151.8W	
h ABOUT 033KM	
HHM EP	12 02 02.8
BCN EP	12 03 18.9
MAR 28	
H-12 03 16.5	
60.3N 146.6W	
h ABOUT 015KM	
SIT E(P)	12 04 53.0
HHM IP	12 08 13.7
BUT EP	12 08 40.0
BOZ EP	12 08 44.0
EUR E(P)	12 09 10.2
SLC IP	12 09 17.6
FGU IP	12 09 26.2
BCN I(P)	12 09 33.5
E	09 54.2
IPCP	12 27.3
RCD IP	12 09 34.0
ALQ EP	12 10 21.0
EPCP	12 45.0
TUC IP C	12 10 24.2
SJP EP	12 14 25.2
MAR 28	
HHM EP	12 12 07.8
BOZ IP	12 12 39.9
FGU E(P)	12 13 13.7
MAR 28	
HHM E(P)	12 13 24.8
MAR 28	
BCN E(P)	12 16 17.0
E	16 47.2
MAR 28	
FGU EP	12 17 03.4
BCN EP	12 17 10.3
E▸P	17 16.5
EPCP	19 51.2
RCD IP	12 17 17.0
TUC EP	12 17 52.0
ALQ EP	12 17 55.0
MAR 28	
BOZ EP	12 18 29.0
MAR 28	
HHM EP	12 19 29.7
MAR 28	
H-12 20 49.8	
56.5N 154.0W	
h ABOUT 025KM	
HHM IP	12 26 15.4
BUT P	12 26 35.0
BOZ EP	12 26 44.0
EUR IP	12 26 59.0
SLC IP	12 27 11.4
FGU EP	12 27 20.3
I	27 22.0
BCN EP	12 27 28.0
IPCP	30 09.5
ISCP	33 55.0
EL	38 03.0
RCD IP	12 27 36.0
KIP IP	12 27 43.1
EPP	29 00.0
I	30 14.8
HON EP	12 27 44.0
EPP	29 00.0
TUC IP	12 28 10.7
ALQ IPCP	12 30 25.0
GUA EP	12 31 12.5
SJP IP D	12 32 22.5
E	32 45.5
BHP IP	12 32 23.0
MAR 28	
BCN EP	12 32 24.6
E	32 34.0
MAR 28	
SJP EP	12 33 02.3
E	33 26.0
MAR 28	
H-12 31 29.8	
59.1N 149.6W	
h ABOUT 020KM	
BCN EP	12 38 01.0
E	38 07.6
TUC EP	12 38 42.6
MAR 28	
SJP EP	12 37 15.0
E	37 21.5
MAR 28	
BCN EP	12 41 35.1

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MAR 28	
BCN EP	12 43 02.0
E>P	43 09.0
MAR 28	
BCN EP	12 45 40.5
MAR 28	
H-12 48 34.0	
60.5N 145.9W	
h ABOUT 033KM	
SJP IP D	12 59 36.0
I	15 59 40.5
MAR 28	
KIP ET	12 53 51.0
MAR 28	
HHM E(P)	12 59 07.8
BCN EP	13 00 30.8
E	00 39.0
MAR 28	
SJP EP	13 00 44.5
MAR 28	
BOZ EP	13 00 50.0
FGU EP	13 01 26.3
MAR 28	
SLC E(P)	13 01 28.2
E	01 31.3
MAR 28	
H-13 01 14.2	
60.1N 147.0W	
h ABOUT 020KM	
HHM I(P)	13 06 11.9
EUR IP D	13 07 08.2
SLC EP	13 07 15.1
FGU IP	13 07 24.1
RCD IP	13 07 32.0
BCN EP	13 07 39.6
ALQ IP	13 08 19.0
TUC IP	13 08 22.0
MAR 28	
BCN EP	13 02 27.5
MAR 28	
BCN E(P)	13 03 05.3
MAR 28	
BOZ IP	13 13 19.0
MAR 28	
HHM EP	13 17 09.8
E	17 25.8
MAR 28	
H-13 27 38.5	
60.3N 147.1W	
h ABOUT 015KM	

Date and Station	Phase (GCT) h m s
HHM EP	13 32 38.0
BOZ EP	13 33 08.0
EUR I(P)	13 33 35.1
SLC EP	13 33 40.6
FGU E(P)	13 33 50.1
BCN EP	13 34 05.7
E>P	34 10.6
EPCP	36 55.2
ALQ IP	13 34 45.0
TUC EP	13 34 47.5
MAR 28	
HHM E(P)	13 28 09.8
MAR 28	
HHM EP	13 29 10.3
MAR 28	
HHM EP	13 31 51.3
MAR 28	
HHM E(P)	13 36 31.8
MAR 28	
ALQ EP	13 40 35.0
MAR 28	
HHM EP	13 43 42.3
MAR 28	
H-13 44 11.0	
57.5N 152.3W	
h ABOUT 025KM	
HHM EP	13 49 29.8
BCN EP	13 50 45.5
MAR 28	
BCN EP	13 44 54.4
MAR 28	
HHM EP	13 45 14.3
BOZ EP	13 45 44.0
MAR 28	
H-13 47 37.0	
57.0N 152.8W	
h ABOUT 015KM	
HHM EP	13 52 59.8
BCN EP D	13 54 13.0
EPCP	56 55.4
RCD IP	13 54 19.0
TUC EP	13 54 54.8
ALQ EP	13 54 57.0
MAR 28	
BOZ EP	13 50 17.0
BCN EP	13 51 05.5

Date and Station	Phase (GCT) h m s
MAR 28	
ALQ EP	13 53 43.0
I	54 09.0
MAR 28	
HHM EP	13 56 33.3
MAR 28	
H-13 54 19.9	
62.1N 147.1W	
h ABOUT 015KM	
HHM IP	13 59 26.2
BOZ EP	13 59 56.0
EUR IP C	14 00 23.8
BCN EP	14 00 54.5
E	00 58.3
TUC EP	14 01 35.7
ALQ IP	14 01 36.0
MAR 28	
HHM EP	13 58 31.7
E	58 38.8
EUR EP	13 59 13.8
E	59 20.3
BCN EP	13 59 42.0
E	59 50.4
ALQ I(P)	14 00 36.0
MAR 28	
H-14 01 57.6	
56.5N 154.4W	
h ABOUT 025KM	
HHM EP	14 07 26.8
EPCP	10 55.8
FGU I(P)	14 08 32.0
BCN EP	14 08 38.0
(sP)	08 49.0
RCD IP	14 08 46.0
TUC EP	14 09 20.7
ALQ IP	14 09 23.0
IPCP	11 33.0
KIP ET	14 45 13.0
MAR 28	
ALQ IP	14 15 20.0
MAR 28	
HHM E(P)	14 18 47.8
MAR 28	
H-14 18 16.1	
58.0N 149.7W	
h ABOUT 020KM	
HHM EP	14 23 23.3
FGU EP	14 24 30.8

Date and Station	Phase (GCT) h m s
BCN EP	14 24 41.8
E	24 48.0
EPCP	27 31.0
TUC EP	14 25 24.0
ALQ IP	14 25 24.0
MAR 28	
EUR EP	14 18 52.4
MAR 28	
BCN EP	14 20 22.0
TUC EP	14 21 03.4
MAR 28	
HHM E(P)	14 22 25.8
MAR 28	
HHM E(P)	14 25 10.8
ALQ IP	14 27 46.0
MAR 28	
HHM E(P)	14 29 54.8
MAR 28	
HHM EP	14 30 15.3
BOZ EP	14 30 49.0
MAR 28	
ALQ IP	14 30 35.0
MAR 28	
H-14 33 13.6	
57.8N 152.1W	
h ABOUT 025KM	
HHM EP	14 38 31.8
EUR IP D	14 39 19.4
FGU IP	14 39 38.8
BCN EP	14 39 49.0
E	39 56.5
TUC EP	14 40 31.0
ALQ IP	14 40 31.0
MAR 28	
HHM E(P)	14 36 38.8
MAR 28	
HHM E(P)	14 40 28.8
EUR EP	14 41 25.6
ALQ EP	14 42 47.0
MAR 28	
HHM EP	14 45 16.8
MAR 28	
BCN EP	14 45 23.7
ALQ IP	14 46 33.0

Date and Station	Phase (GCT)
	h m s
MAR 28	
H-14 46 19.2	
57.8N 151.3W	
h ABOUT 033KM	
BOZ EP	14 52 02.0
E	52 23.0
EUR EP	14 52 19.4
FGU IP	14 52 40.8
BCN EP	14 52 47.8
KIP IP	14 53 24.0
ET	29 40.0
TUC IP	14 53 29.0
I	53 51.5
ALQ IP	14 53 32.0
MAR 28	
H-14 46 33.6	
56.7N 153.6W	
h ABOUT 033KM	
BUT IP	14 52 21.0
EUR EP	14 52 40.5
BCN EP	14 53 09.8
RCD IP	14 53 17.0
E	53 54.0
ALQ IP	14 53 53.6
E	54 13.0
MAR 28	
HHM IP	14 46 55.6
MAR 28	
H-14 47 37.1	
60.4N 146.5W	
h ABOUT 010KM	
HHM I(P)	14 52 33.3
BUT EP	14 52 58.0
BOZ IP C	14 53 04.5
I	53 11.5
EUR IP D	14 53 31.4
SLC IP	14 53 38.6
I	55 17.6
BCN EP	14 54 03.0
E	54 14.0
EPCP	56 50.0
E▸PCP	57 00.5
ALQ IP	14 54 42.0
TUC IP C	14 54 45.0
KIP IP	14 55 11.8
HON IP	14 55 12.1
WAS EP	14 56 11.2

Date and Station	Phase (GCT)
	h m s
PHI E(P)	14 56 17.0
CSC IP	14 56 25.0
E	57 11.0
I	58 00.0
SJP IP D	14 58 47.6
I	58 51.0
BHP IP	14 58 56.0
MAR 28	
HHM IP	14 47 48.8
E	47 52.8
MAR 28	
SLC IP	14 48 38.9
MAR 28	
EUR IP	14 49 09.7
MAR 28	
H-14 49 13.7	
60.4N 147.1W	
h ABOUT 010KM	
BCN IP	14 55 42.0
E	58 38.4
KIP IP	14 56 48.5
HON EP	14 56 49.0
SJP IP	15 00 24.3
MAR 28	
SIT E(P)	14 49 15.5
MAR 28	
ALQ IP	14 51 38.0
MAR 28	
SJP IP	15 01 01.8
MAR 28	
BCN EP	15 06 58.5
HON EP	15 08 45.0
MAR 28	
H-15 20 28.6	
57.4N 151.3W	
h ABOUT 020KM	
BCN EP	15 26 58.4
TUC EP	15 27 40.0
MAR 28	
H-15 22 36.4	
60.4N 146.8W	
h ABOUT 015KM	
HHM IP	15 27 35.8
BCN EP	15 29 02.8
TUC EP	15 29 44.5
MAR 28	
HHM E(P)	15 23 49.8
EUR EP	15 25 04.8

Date and Station	Phase (GCT)
	h m s
MAR 28	
H-15 27 30.1	
61.0N 149.0W	
h ABOUT 033KM	
BCN EP	15 34 05.0
MAR 28	
H-15 34 10.4	
59.5N 146.7W	
h ABOUT 033KM	
HHM E(P)	15 38 47.8
EUR EP	15 39 59.0
BCN EP	15 40 28.8
TUC EP	15 41 11.7
ALQ IP	15 41 13.0
MAR 28	
EUR E(P)	15 41 25.0
MAR 28	
H-15 36 22.3	
58.3N 150.9W	
h ABOUT 025KM	
HHM EP	15 41 33.8
BCN EP	15 42 54.4
E	43 02.0
MAR 28	
H-15 42 53.5	
60.6N 147.1W	
h ABOUT 033KM	
EUR EP	15 48 48.0
BCN EP	15 49 19.0
MAR 28	
MAR 28	
H-15 51 50.7	
58.8N 149.9W	
h ABOUT 020KM	
HHM EP	15 56 59.9
BOZ EP	15 57 28.0
I	57 37.0
EUR EP	15 57 50.5
BCN EP	15 58 21.4
E▸P	58 28.2
MAR 28	
H-15 55 25.8	
59.7N 146.3W	
h ABOUT 010KM	
HHM EP	16 00 20.7
EUR EP	16 01 18.0
SLC EP	16 01 24.9
BCN EP	16 01 49.0
TUC EP	16 02 31.0

Date and Station	Phase (GCT)
	h m s
MAR 28	
EUR EP	16 00 58.5
E▸P	01 06.5
BCN EP	16 01 08.3
E▸P	01 15.0
ALQ IP	16 01 22.0
E▸P	02 29.0
MAR 28	
H-16 04 33.8	
57.5N 150.8W	
h ABOUT 020KM	
HHM EP	16 09 45.0
EPCP	13 14.8
BCN EP	16 11 02.2
E▸P	11 08.5
ALQ EP	16 11 43.0
EPCP	14 05.5
TUC EP	16 11 44.0
MAR 28	
BOZ EP	16 15 51.0
MAR 28	
EUR EP	16 17 06.2
MAR 28	
HHM EP	16 22 38.3
MAR 28	
SLC EP	16 24 28.6
MAR 28	
H-16 26 16.9	
57.5N 150.9W	
h ABOUT 030KM	
HHM IP	16 31 27.0
BUT EP	16 31 48.2
BOZ EP	16 31 55.0
EUR IP C	16 32 15.2
I▸P	32 25.8
SLC EP	16 32 24.6
FGU IP	16 32 35.2
BCN EP	16 32 45.0
E▸P	32 54.5
IPCP	35 32.2
RCD IP	16 32 48.0
TUC EP	16 33 27.2
ALQ IP	16 33 28.0
CSC IP	16 35 20.0
SJP EP	16 37 38.0
MAR 28	
HHM EP	16 27 07.5
BOZ EP	16 27 35.0

Date and Station	Phase (GCT) h m s
EUR EP	16 27 56.1
BCN EP	16 28 26.0
MAR 28	
HHM E(P)	16 30 48.8
E	31 08.8
BOZ EP C	16 31 36.0
MAR 28	
ALQ IP	16 31 27.0
MAR 28	
EUR IP	16 33 15.0
MAR 28	
ALQ IP	16 35 47.0
MAR 28	
ALQ IP	16 39 30.5
MAR 28	
HHM E(P)	16 43 47.8
MAR 28	
HHM E(P)	16 44 30.8
MAR 28	
H-16 44 35.9	
59.3N 147.8W	
h ABOUT 025KM	
HHM IP	16 49 35.0
BUT EP	16 49 54.2
BOZ EP C	16 50 04.2
EUR IP	16 50 29.4
I▸P	50 36.6
FGU IP	16 50 45.3
BCN IP C	16 50 59.8
E▸P	51 08.5
EPCP	53 50.0
ALQ IP	16 51 40.0
IPCP	54 04.0
KIP EP	16 52 02.0
CSC IP	16 53 26.0
MAR 28	
SLC IP	16 46 59.1
MAR 28	
HHM IP	16 52 57.8
BOZ EP C	16 53 23.0
EUR IP	16 53 31.2
BCN EP	16 54 11.9
E	54 20.8
ALQ IP	16 54 55.0
MAR 28	
SJP EP	16 56 45.0

Date and Station	Phase (GCT) h m s
MAR 28	
ALQ IP	16 57 51.0
MAR 28	
HHM EP	16 58 03.8
MAR 28	
SIT E(P)	16 58 50.5
MAR 28	
SLC IP	16 59 25.9
MAR 28	
BUT EP	17 06 41.2
MAR 28	
EUR IP	17 06 43.5
IS	07 01.0
MAR 28	
HHM EP	17 11 16.7
MAR 28	
SJP IP D	17 18 25.8
IL	19 03.8
MAR 28	
H-17 14 59.0	
59.5N 148.6W	
h ABOUT 033KM	
HHM EP	17 19 59.9
TUC EP	17 22 09.4
MAR 28	
ALQ EP	17 17 40.0
MAR 28	
HHM E(P)	17 18 36.6
MAR 28	
ALQ EP	17 18 43.0
FGU E(P)	17 18 43.8
MAR 28	
BOZ E(P)	17 19 26.0
MAR 28	
HHM E(P)	17 26 23.9
GUA EP	17 30 12.5
ES	30 20.0
MAR 28	
ALQ EP	17 30 19.0
MAR 28	
HHM E(P)	17 30 19.9
MAR 28	
HHM EP	17 31 40.4
E	32 20.9
BOZ E(P)	17 32 09.0
BCN EP	17 33 49.0
TUC EP	17 34 30.0
MAR 28	
HHM E(P)	17 41 11.9

Date and Station	Phase (GCT) h m s
MAR 28	
HHM E(P)	17 44 33.9
BOZ EP	17 45 05.0
ALQ EP	17 46 38.0
MAR 28	
H-17 47 17.0	
60.4N 145.7W	
h ABOUT 015KM	
HHM EP	17 52 10.1
BOZ EP	17 52 41.0
BCN EP	17 53 40.8
ALQ EP	17 54 17.0
TUC EP	17 54 22.3
EPCP	56 46.0
MAR 28	
ALQ EP	17 48 52.0
TUC E(P)	17 48 57.2
MAR 28	
H-17 49 49.7	
57.7N 150.2W	
h ABOUT 015KM	
HHM EP	17 54 58.9
BOZ EP	17 55 24.0
FGU EP	17 56 06.3
BCN EP	17 56 16.8
E	56 22.0
EPCP	59 07.0
E▸PCP	59 14.0
TUC EP	17 56 58.7
EPCP	59 20.6
ALQ IPCP	17 59 21.0
I▸PCP	59 28.0
MAR 28	
FGU E(P)	17 57 18.3
MAR 28	
HHM E(P)	17 58 14.9
MAR 28	
SLC EP	17 58 59.1
MAR 28	
BOZ EP	18 00 31.0
ES	01 00.0
FGU EP	18 00 32.8
IS	01 08.8
HHM E(P)	18 01 36.9
MAR 28	
TUC EP	18 03 53.5

Date and Station	Phase (GCT) h m s
MAR 28	
H-18 02 54.9	
59.5N 149.3W	
h ABOUT 033KM	
HHM EP	18 07 59.9
BOZ EP	18 08 28.0
BCN EP	18 09 25.0
ALQ EP	18 10 04.0
E	10 48.0
TUC EP	18 10 06.4
MAR 28	
HHM E(P)	18 04 01.9
BOZ EP	18 04 30.5
MAR 28	
HHM EP	18 08 50.9
BUT EP	18 09 19.2
BOZ EP	18 09 20.9
FGU EP	18 09 56.3
BCN EP	18 10 03.0
E	10 28.4
TUC EP	18 10 45.0
MAR 28	
BCN I(P)	18 12 40.5
E	12 53.0
TUC EP	18 13 22.5
MAR 28	
BCN E(P)	18 14 42.0
ALQ EP	18 15 41.5
MAR 28	
HHM IP	18 16 07.1
E	16 44.6
MAR 28	
SLC EP	18 16 28.6
MAR 28	
ALQ EP	18 16 51.0
MAR 28	
HHM EP	18 18 11.9
E	19 13.9
MAR 28	
FGU E(P)	18 20 21.7
BCN EP	18 20 33.0
E	20 39.7
MAR 28	
HHM E(P)	18 23 27.9
MAR 28	
H-18 24 02.2	
60.1N 149.5W	
h ABOUT 015KM	

Date and Station	Phase (GCT)
	h m s
HHM EP	18 29 10.9
TUC EP	18 31 19.6
MAR 28	
HHM EP	18 31 13.9
BOZ EP	18 31 43.2
MAR 28	
HHM E(P)	18 43 16.9
MAR 28	
KIP ET	18 47 17.0
MAR 28	
HHM E(P)	18 44 54.0
E	45 44.9
MAR 28	
BOZ EP	18 46 12.5
ALQ EP	18 47 48.0
TUC EP	18 47 54.0
MAR 28	
H-18 46 53.4	
60.5N 148.4W	
h ABOUT 020KM	
BCN EP	18 53 30.0
E	53 38.4
ALQ EP	18 54 03.0
TUC EP	18 54 06.5
E▸P	54 12.5
MAR 28	
HHM EP	18 51 31.2
E	51 55.9
BOZ EP	18 52 13.0
MAR 28	
HHM E(P)	19 01 17.9
E	01 51.9
MAR 28	
H-19 01 51.5	
60.1N 146.9W	
h ABOUT 015KM	
HHM EP	19 06 49.9
BOZ EP	19 07 18.0
BCN EP	19 08 18.0
ALQ EP	19 08 55.0
TUC EP	19 08 59.6
MAR 28	
HHM EP	19 08 50.4
E	09 41.9
E	10 42.9
BCN E(P)	19 10 06.0
MAR 28	
HHM E(P)	19 12 34.9

Date and Station	Phase (GCT)
	h m s
BOZ EP	19 13 06.0
ALQ EP	19 14 47.0
TUC EP	19 14 49.2
MAR 28	
H-19 21 38.8	
61.6N 146.7W	
h ABOUT 045KM	
HHM EP	19 26 37.9
E▸P	26 50.9
E	28 40.9
BUT P	19 26 59.7
BOZ EP	19 27 07.0
FGU IP	19 27 48.8
BCN EP	19 28 08.0
E▸P	28 19.0
ALQ EP	19 28 44.0
EPCP	31 05.0
TUC EP	19 28 49.4
EPCP	31 07.4
MAR 28	
H-19 29 02.4	
58.1N 150.4W	
h ABOUT 020KM	
HHM E(P)	19 34 11.9
BCN EP	19 35 32.0
TUC E(P)	19 36 14.0
MAR 28	
HHM EP	19 29 20.9
MAR 28	
H-19 45 21.4	
56.4N 152.6W	
h ABOUT 020KM	
HHM EP	19 50 41.9
FGU E(P)	19 51 46.1
BCN EP	19 51 54.0
TUC EP	19 52 36.5
MAR 28	
ALQ E(P)	19 58 42.0
MAR 28	
TUC E(P)	20 05 03.5
SJP EP	20 11 41.5
MAR 28	
H-20 05 44.6	
60.6N 144.5W	
h ABOUT 033KM	
HHM E(P)	20 10 30.9
BCN EP	20 12 05.0

Date and Station	Phase (GCT)
	h m s
MAR 28	
HHM EP	20 22 52.0
E	23 27.9
E	23 53.9
MAR 28	
H-20 29 08.6	
59.8N 148.7W	
h ABOUT 040KM	
COL EP	20 30 22.0
SIT E(P)	20 30 52.3
HHM EP	20 34 10.9
BUT P	20 34 35.2
S	39 03.0
BOZ EP D	20 34 39.9
I▸P	34 51.0
SLC IP	20 35 13.5
FGU IP	20 35 21.3
BCN IP D	20 35 36.3
I	35 41.1
I	35 48.0
IPP	36 52.4
IPCP	38 25.8
E	38 31.8
ES	40 57.5
ESCP	42 09.0
E	45 08.0
ESCS	46 11.8
EL	46 31.0
ALQ IP	20 36 15.5
EPCP	38 33.0
TUC IP D	20 36 18.0
E	38 46.0
ES	42 13.0
KIP EP	20 36 33.0
HON IP	20 36 34.1
WAS EP	20 37 48.0
PHI E(P)	20 37 52.0
CSC IP	20 38 00.0
SJP EP D	20 40 19.0
I	40 23.2
BHP IP	20 40 30.0
MAR 28	
EUR IP	20 40 53.0
MAR 28	
BCN EP	20 49 53.0
MAR 28	
HHM EP	21 07 15.9
MAR 28	
H-21 15 17.4	
58.2N 150.1W	
h ABOUT 025KM	

Date and Station	Phase (GCT)
	h m s
FGU E(P)	21 21 34.4
BCN EP	21 21 45.0
E▸P	21 52.5
TUC EP	21 22 27.5
MAR 28	
FGU E(P)	21 17 59.6
MAR 28	
H-21 37 48.7	
59.6N 145.6W	
h ABOUT 020KM	
HHM IP	21 42 38.9
BOZ EP	21 43 08.0
BCN E(P)	21 44 06.5
ALQ E(P)	21 44 46.0
MAR 28	
COL EP	21 40 37.0
MAR 28	
HHM EP	21 40 38.9
MAR 28	
HHM EP	21 51 50.9
MAR 28	
HHM E(P)	21 53 19.9
MAR 28	
HHM E(P)	21 57 39.9
MAR 28	
H-21 57 54.3	
56.4N 152.6W	
h ABOUT 033KM	
BCN EP	22 04 25.0
MAR 28	
HHM EP	22 02 54.8
MAR 28	
H-22 09 43.2	
58.0N 153.2W	
h ABOUT 033KM	
HHM EP	22 15 02.9
BOZ EP	22 15 31.5
BCN E(P)	22 16 28.4
ALQ EP	22 17 07.0
EPCP	19 28.0
MAR 28	
ALQ EP	22 11 13.0
MAR 28	
H-22 13 22.9	
57.5N 152.9W	
h ABOUT 025KM	
HHM EP	22 18 44.9
FGU EP	22 19 49.4

Date and Station	Phase (GCT)
	h m s
BCN EP	22 20 00.0
TUC EP	22 20 42.0
ALQ IP	22 20 43.0
ALQ IPCP	22 23 02.5
MAR 28	
HHM E(P)	22 19 57.9
MAR 28	
HHM E(P)	22 21 33.9
E	21 41.9
MAR 28	
H-22 22 03.1	
60.3N 145.3W	
h ABOUT 015KM	
HHM EP	22 26 53.9
FGU EP	22 28 07.4
TUC EP	22 29 07.0
ALQ EPCP	22 31 31.0
E▸PCP	31 36.0
MAR 28	
HHM EP	22 23 44.9
MAR 28	
HHM EP	22 26 05.9
MAR 28	
ALQ IP	22 31 31.0
MAR 28	
H-22 28 47.0	
58.2N 150.4W	
h ABOUT 020KM	
HHM EP	22 33 58.1
BUT EP	22 34 19.2
BOZ EP	22 34 25.5
FGU IP	22 35 05.7
BCN IP D	22 35 17.0
I▸P	35 23.7
EPCP	38 03.8
E▸PCP	38 10.6
ALQ IP	22 35 58.5
EPCP	38 18.0
TUC EP	22 35 59.0
EPCP	38 17.5
SJP EP	22 40 07.0
E	40 12.3
MAR 28	
H-22 47 00.1	
61.2N 145.2W	
h ABOUT 033KM	
TUC EP	22 54 06.4
MAR 28	
BOZ EP	22 47 26.0

Date and Station	Phase (GCT)
	h m s
MAR 28	
ALQ EP	22 56 42.0
MAR 28	
BOZ EP	23 03 17.0
MAR 28	
BCN IP D	23 07 05.1
I	07 16.0
ES	07 50.5
IL	08 10.1
MAR 28	
TUC E(P)	23 10 43.0
MAR 28	
ALQ E(P)	23 17 06.0
MAR 28	
TUC EP	23 23 52.5
ALQ E(P)	23 24 16.0
E▸P	24 24.0
MAR 28	
H-23 24 55.5	
60.0N 149.6W	
h ABOUT 033KM	
HHM E(P)	23 30 01.9
ALQ E(P)	23 32 08.0
I	34 25.0
TUC EP	23 32 09.8
MAR 28	
TUC EP	23 37 46.0
MAR 28	
H-23 46 22.0	
57.5N 151.1W	
h ABOUT 033KM	
BOZ EP	23 52 00.0
IPCP	55 22.0
I▸PCP	55 27.5
FGU IP	23 52 40.4
BCN IP D	23 52 50.5
E▸P	52 55.6
IPCP	55 38.0
E▸PCP	55 43.0
ALQ EP	23 53 33.0
E	53 42.0
IPCP	55 57.0
ISCP	59 38.5
TUC IP	23 53 32.6
E▸P	53 40.0
IPCP	55 50.0
E▸PCP	55 56.5
HHM IPCP	23 55 14.9
ESCP	58 51.9
CSC IP	23 55 23.0
SJP IP D	23 57 43.1
I▸P	57 48.5
HON ET	00 31 23.0

Date and Station	Phase (GCT)
	h m s
MAR 28	
HHM E(P)	23 51 21.9
BOZ E(P)	23 51 50.0
KIP EP	23 54 45.0
MAR 29	
TUC EP	00 01 12.8
MAR 29	
HHM E(P)	00 02 34.9
BCN EP	00 04 15.0
E	04 22.5
TUC E(P)	00 04 57.4
MAR 29	
HHM E(P)	00 04 26.9
MAR 29	
H-00 12 32.3	
56.8N 153.4W	
h ABOUT 033KM	
HHM E(P)	00 17 54.9
BCN EP	00 19 04.1
E	19 18.0
TUC EP	00 19 49.7
MAR 29	
H-00 15 11.0	
59.9N 146.3W	
h ABOUT 033KM	
HHM IP	00 20 05.0
BCN EP	00 21 30.0
ALQ EP	00 22 09.0
E	22 17.0
TUC EP	00 22 14.0
MAR 29	
H-00 21 03.8	
58.4N 150.4W	
h ABOUT 033KM	
BCN EP	00 27 33.0
MAR 29	
HHM EP	00 23 20.9
MAR 29	
ALQ EP	00 30 34.0
E	30 40.0
MAR 29	
BOZ E(P)	00 31 42.0
MAR 29	
HHM EP	00 41 12.9
MAR 29	
H-00 43 14.5	
58.7N 153.3W	
h ABOUT 025KM	
TUC E(P)	00 50 38.4

Date and Station	Phase (GCT)
	h m s
MAR 29	
H-00 51 05.7	
60.4N 145.1W	
h ABOUT 015KM	
HHM EP	00 55 55.0
ALQ EP	00 58 05.0
TUC EP	00 58 08.5
MAR 29	
H-00 51 45.1	
60.6N 150.0W	
h ABOUT 033KM	
HHM I(P)	00 56 56.9
MAR 29	
H-00 53 05.8	
57.4N 151.5W	
h ABOUT 025KM	
HHM IP	00 58 20.9
FGU IP	00 59 27.2
BCN EP	00 59 37.2
E	59 45.0
TUC EP	01 00 19.0
EPCP	02 36.0
ALQ IP	01 00 20.0
EPCP	02 37.0
MAR 29	
HHM EP	01 00 44.9
FGU IP	01 01 51.4
BCN EP	01 02 01.2
E	02 14.0
TUC EP	01 02 43.5
ALQ EP	01 02 44.0
MAR 29	
H-01 09 36.4	
59.8N 149.2W	
h ABOUT 020KM	
SIT E(P)	01 11 28.0
HHM IP	01 14 44.7
BUT IP	01 15 05.2
BOZ IP	01 15 13.2
I▸P	16 21.0
EL	23 16.0
FGU IP	01 15 54.2
BCN IP D	01 16 09.4
E▸P	16 16.1
EPP	17 21.4
EPCP	18 54.5
E▸PCP	19 01.2
ALQ IP	01 16 48.5
EPCP	19 08.0
E▸PCP	19 15.0

Date and Station	Phase (GCT) h m s
TUC IP D	01 16 50.5
EPCP	19 15.0
WAS E(P)	01 18 12.0
CSC IP	01 18 31.0
SJP IP C	01 20 52.0
I▸P	21 00.5
MAR 29	
HHM EP	01 12 32.9
ALQ EP	01 14 39.0
TUC EP	01 14 41.6
MAR 29	
TUC EP	01 27 25.0
MAR 29	
H-01 29 33.7	
57.5N 151.3W	
h ABOUT 020KM	
HHM IP	01 34 48.7
BUT IP	01 35 08.2
BOZ IP	01 35 15.5
I▸P	35 19.5
FGU IP	01 35 54.6
BCN IP D	01 36 05.0
I▸P	36 11.7
IPCP	38 51.0
TUC IP D	01 36 46.8
I▸P	36 53.5
EPCP	39 05.0
ALQ IP	01 36 48.0
EPCP	39 06.0
E▸PCP	39 12.5
CSC IP	01 38 38.0
GUA E(P)	01 40 09.0
SJP EP	01 40 57.2
EPCP	41 19.4
KIP ET	02 14 35.0
MAR 29	
GUA EP	01 55 03.2
E	55 36.0
E	56 12.0
MAR 29	
H-01 48 18.5	
56.3N 153.7W	
h ABOUT 020KM	
HHM EP	01 53 44.3
E	56 22.9
EPCP	57 17.1
BOZ EP	01 54 10.5
E▸P	54 16.2
FGU IP	01 54 48.1

Date and Station	Phase (GCT) h m s
BCN EP D	01 54 55.7
E▸P	55 01.5
TUC IP D	01 55 37.4
ALQ EP	01 55 40.0
EPCP	57 53.0
SJP E▪P	02 00 02.5
KIP ET	02 31 40.0
MAR 29	
HHM EP	01 58 03.0
BOZ EP	01 58 32.5
MAR 29	
HHM EP	02 00 54.9
ALQ EP	02 01 33.0
E▸P	01 41.0
MAR 29	
HHM EP	02 05 01.9
BOZ EP	02 05 32.2
MAR 29	
H-02 07 41.6	
56.5N 152.6W	
h ABOUT 020KM	
HHM EP	02 13 06.9
FGU EP	02 14 07.4
BCN EP	02 14 15.2
TUC EP	02 14 56.8
MAR 29	
HHM EP	02 10 56.9
MAR 29	
H-02 14 02.4	
59.5N 149.1W	
h ABOUT 020KM	
HHM EP	02 19 08.9
BOZ EP	02 19 37.8
BCN EP	02 20 32.2
E	20 45.0
E	20 50.0
ALQ IP	02 21 13.0
EPCP	23 33.8
TUC EP	02 21 14.6
EPCP	23 38.3
MAR 29	
BOZ EP	02 16 29.0
ALQ EP	02 17 15.0
E	17 23.0
MAR 29	
H-02 16 29.8	
58.3N 149.7W	
h ABOUT 025KM	

Date and Station	Phase (GCT) h m s
HHM EP	02 21 37.1
BOZ EP	02 22 04.9
E▸P	22 08.0
FGU EP	02 22 43.9
BCN EP D	02 22 56.6
E▸P	23 04.0
(sP)	23 10.0
MAR 29	
FGU EP D	02 19 45.7
ES	20 18.1
MAR 29	
H-02 19 13.2	
59.0N 149.2W	
h ABOUT 020KM	
HHM EP	02 24 19.9
E	26 53.9
BOZ EP	02 24 48.0
I	24 51.0
FGU IP	02 25 28.9
BCN EP	02 25 42.5
E▸P	25 52.0
TUC E(P)	02 26 22.5
ALQ IP	02 26 23.0
EPCP	28 45.0
MAR 29	
H-02 25 25.1	
57.0N 151.7W	
h ABOUT 020KM	
HHM EP	02 30 41.4
BUT EP	02 31 00.1
BOZ EP	02 31 08.0
FGU IP	02 31 46.9
BCN EP	02 31 56.0
E▸P	32 06.0
EPCP	34 42.5
E▸PCP	34 50.2
TUC EP	02 32 38.0
ALQ IP	02 32 39.5
EPCP	34 55.0
MAR 29	
H-02 31 59.5	
60.2N 148.2W	
h ABOUT 020KM	
HHM EP	02 37 02.9
BOZ EP	02 37 33.0
FGU E(P)	02 38 13.9
BCN EP	02 38 26.3
ALQ IP	02 39 09.0
IPCP	41 31.0

Date and Station	Phase (GCT) h m s
TUC EP	02 39 11.5
EPCP	41 31.5
MAR 29	
ALQ IP	02 38 44.0
MAR 29	
TUC E(P)	02 55 51.7
MAR 29	
TUC EP	02 58 24.6
MAR 29	
HHM EP	03 02 00.4
E	03 42.9
BOZ EP	03 02 28.9
TUC E(P)	03 04 09.0
MAR 29	
HHM EP	03 06 30.9
BOZ EP	03 07 02.9
TUC E(P)	03 08 39.5
MAR 29	
H-03 07 19.5	
59.7N 148.8W	
h ABOUT 030KM	
HHM EP	03 12 23.9
BUT IP	03 12 45.1
BOZ EP	03 12 53.0
FGU IP	03 13 33.4
BCN IP	03 13 48.5
E▸P	13 53.5
I▪P	13 57.8
EPCP	16 34.0
ALQ IP	03 14 29.0
EPCP	16 49.0
TUC EP D	03 14 30.3
E▪P	14 39.0
EPCP	16 48.2
MAR 29	
HHM IP	03 10 09.9
MAR 29	
H-03 25 24.7	
60.4N 144.7W	
h ABOUT 015KM	
HHM EP	03 30 11.9
E	30 54.8
BOZ EP	03 30 43.0
ALQ E(P)	03 32 22.5
TUC EP	03 32 26.0
MAR 29	
ALQ E(P)	03 34 50.0

Date and Station	Phase (GCT) h m s
MAR 29	
ALQ EP	03 37 13.0
EpP	37 21.0
MAR 29	
FGU E(P)	03 38 46.7
MAR 29	
H-03 38 38.1	
60.7N 149.1W	
h ABOUT 040KM	
HHM IP	03 43 45.4
BUT EP	03 44 07.1
BOZ EP	03 44 14.0
FGU IP	03 44 55.2
BCN EP	03 45 11.5
EpP	45 19.5
EsP	45 23.0
E	45 59.0
EPCP	47 53.0
ALQ IP	03 45 51.0
EpP	45 57.0
EPCP	48 08.0
EpPCP	48 17.0
TUC EP	03 45 52.5
EsP	46 05.2
EPCP	48 12.2
MAR 29	
H-03 52 26.5	
59.7N 148.8W	
h ABOUT 015KM	
BOZ EP	03 58 02.5
BCN EP	03 58 57.2
ALQ EP	03 59 38.0
EPCP	04 01 58.0
TUC EP	03 59 39.0
EpP	59 44.5
EPCP	04 01 58.0
EpPCP	02 04.6
MAR 29	
H-04 01 21.9	
59.8N 148.5W	
h ABOUT 015KM	
HHM EP	04 06 24.4
BOZ EP	04 06 55.5
MAR 29	
HHM EP	04 01 52.9
BOZ E(P)	04 02 19.0
MAR 29	
ALQ E(P)	04 10 54.0
MAR 29	
H-04 12 15.7	
60.2N 145.5W	
h ABOUT 015KM	
SIT EP	04 13 44.2
HHM IP	04 17 06.8
BUT IP	04 17 30.0
BOZ IP	04 17 38.0
FGU IP	04 18 19.7
BCN IP D	04 18 37.2
E	19 23.0
EPCP	21 30.4
ALQ IP	04 19 12.0
EPCP	21 42.0
TUC IP	04 19 19.0
EPCP	21 43.5
KIP IP	04 19 48.8
CSC IP	04 20 58.0
SJP EP	04 23 21.0
HON ET	05 01 22.0
MAR 29	
BCN EP	04 21 15.5
E	21 24.8
MAR 29	
HHM E(P)	04 46 12.9
E	46 24.9
TUC E(P)	04 48 32.0
MAR 29	
H-04 51 53.3	
56.8N 152.4W	
h ABOUT 040KM	
HHM EP	04 57 10.4
FGU EP	04 58 16.4
BCN EP	04 58 24.5
EpP	58 35.5
TUC IP	04 59 06.2
EpP	59 18.0
ALQ E(P)	04 59 08.0
KIP ET	05 35 41.0
MAR 29	
H-05 00 29.3	
60.3N 147.4W	
h ABOUT 040KM	
HHM EP	05 05 29.9
EpP	05 43.9
BCN EP	05 06 53.6
EpP	07 06.0
ALQ E(P)	05 07 33.0
EPCP	09 49.0
TUC IP	05 07 35.6
MAR 29	
BOZ EP	05 05 04.0
EL	05 38.0
MAR 29	
H-05 08 25.8	
56.7N 152.7W	
h ABOUT 020KM	
HHM EP	05 13 46.9
BCN EP	05 15 00.0
E	15 15.0
TUC EP	05 15 41.0
MAR 29	
H-05 13 42.4	
59.5N 147.4W	
h ABOUT 033KM	
HHM EP	05 18 39.4
BOZ EP	05 19 09.0
MAR 29	
HHM EP	05 16 39.4
MAR 29	
H-05 21 09.8	
57.1N 150.4W	
h ABOUT 020KM	
HHM EP	05 26 20.0
IpP	26 26.9
EPCP	30 08.9
BUT E(P)	05 26 46.1
FGU EP	05 27 25.8
BCN EP	05 27 35.5
EpP	27 41.4
E	27 46.0
E	30 33.5
TUC EP	05 28 17.5
MAR 29	
H-05 37 47.4	
56.9N 153.3W	
h ABOUT 025KM	
HHM EP	05 43 10.9
FGU IP	05 44 16.3
BCN IP C	05 44 25.0
I	44 30.0
I	44 37.3
TUC EP	05 45 07.0
EPCP	47 20.3
ALQ IP	05 45 08.0
IPCP	47 22.0
SJP EP	05 49 17.4
MAR 29	
GUA EP	05 43 11.3
MAR 29	
HHM EP	05 46 44.9
MAR 29	
HHM EP	05 54 45.9
MAR 29	
H-05 51 58.0	
58.3N 150.5W	
h ABOUT 015KM	
HHM EP	05 57 09.9
BCN E(P)	05 58 35.0
MAR 29	
ALQ E(P)	05 56 47.0
MAR 29	
HHM E(P)	06 00 52.9
E	01 34.6
MAR 29	
BHP EP	06 07 10.0
MAR 29	
H-06 04 44.5	
56.1N 154.3W	
h ABOUT 030KM	
HHM IP	06 10 11.8
EPCP	13 41.9
UKI EP	06 10 23.6
BUT E(P)	06 10 31.1
BOZ EP	06 10 38.0
IpP	10 45.0
FGU IP	06 11 16.0
BCN IP D	06 11 22.5
E	11 38.5
KIP EP	06 11 34.0
HON EP	06 11 35.0
TUC IP D	06 12 04.7
E	14 29.5
ES	18 02.0
ALQ IP	06 12 07.0
E(S)	18 05.0
WAS E(P)	06 13 52.0
CSC EP	06 14 04.0
MAR 29	
KIP EP	06 12 46.0
MAR 29	
HHM IP	06 17 20.9
E	17 39.9
MAR 29	
H-06 29 39.4	
58.1N 149.8W	
h ABOUT 033KM	
HHM IP	06 34 45.7
BUT P	06 35 07.2
BOZ EP	06 35 14.0

Date and Station	Phase (GCT)
	h m s
FGU EP	06 35 53.5
BCN EP	06 36 05.0
TUC EP	06 36 47.6
EPCP	39 08.0
ALQ EP	06 36 48.0
EPCP	39 08.0
MAR 29	
H-06 36 16.2	
59.9N 146.0W	
h ABOUT 020KM	
HHM EP	06 41 11.9
BOZ EP	06 41 40.0
TUC EP	06 43 18.0
MAR 29	
H-06 48 52.3	
58.1N 150.6W	
h ABOUT 033KM	
HHM E(P)	06 54 02.0
BOZ EP	06 54 29.0
TUC EP	06 56 03.0
MAR 29	
MAR 29	
H-06 53 19.5	
56.1N 154.5W	
h ABOUT 025KM	
HHM EP	06 58 48.4
BOZ EP	06 59 14.9
BCN EP	06 59 58.8
E	07 00 09.0
TUC EP	07 00 40.8
ALQ E(P)	07 00 44.0
H-07 05 17.1	
59.0N 150.2W	
h ABOUT 025KM	
HHM EP	07 10 26.4
BOZ EP	07 10 55.0
BCN E(P)	07 11 49.0
E	11 56.5
ALQ E(P)	07 12 24.0
EPCP	14 49.0
TUC E(P)	07 12 30.5
MAR 29	
TUC EP	07 10 07.5
MAR 29	
HHM E(P)	07 16 36.9

Date and Station	Phase (GCT)
	h m s
MAR 29	
H-07 18 08.0	
57.0N 151.8W	
h ABOUT 025KM	
HHM EP	07 23 24.7
FGU EP	07 24 30.3
BCN E(P)	07 24 38.9
E	24 45.0
TUC E(P)	07 25 20.0
MAR 29	
BOZ EP	07 23 27.0
MAR 29	
BOZ IP	07 26 20.0
I▸P	26 27.0
BCN EP	07 27 12.7
E	27 20.5
TUC E(P)	07 27 38.0
ALQ E(P)	07 27 40.0
MAR 29	
BOZ EP	07 34 57.0
MAR 29	
FGU IP	07 36 34.5
BOZ IP	07 36 37.0
E	37 11.0
MAR 29	
H-07 37 22.8	
55.9N 154.8W	
h ABOUT 033KM	
BCN E(P)	07 44 09.0
MAR 29	
H-07 39 40.7	
57.1N 152.0W	
h ABOUT 020KM	
HHM EP	07 44 58.1
BOZ EP	07 45 23.0
FGU EP	07 46 04.3
BCN EP	07 46 13.5
E▸P	46 19.5
TUC EP	07 46 54.5
ALQ E(P)	07 46 57.0
MAR 29	
HHM EP	07 49 40.9
BOZ EP	07 50 11.0
MAR 29	
HHM E(P)	07 51 36.9
MAR 29	
H-07 52 46.4	
56.1N 154.2W	
h ABOUT 025KM	

Date and Station	Phase (GCT)
	h m s
HHM EP	07 58 14.0
E▸P	58 21.9
IPCP	08 01 49.9
BOZ EP	07 58 39.5
BUT E▸P	07 58 42.2
FGU EP	07 59 18.0
BCN EP	07 59 24.5
I▸P	59 32.1
EPCP	08 02 07.0
E▸PCP	02 14.0
TUC IP	08 00 06.0
E▸P	00 14.0
E▸PCP	02 28.0
ALQ EP	08 00 08.0
EPCP	02 29.0
ESCP	06 09.0
CSC EP	08 02 09.0
SJP E(P)	08 04 26.0
KIP ET	08 35 43.0
MAR 29	
H-09 06 03.7	
56.6N 152.4W	
h ABOUT 025KM	
HHM EP	08 11 21.9
TUC EP	08 13 17.7
MAR 29	
H-08 07 52.3	
56.5N 152.6W	
h ABOUT 020KM	
HHM EP	08 13 11.9
UKI EP	08 13 25.0
FGU EP	08 14 17.5
BCN EP	08 14 25.8
E	14 31.0
TUC EP	08 15 07.5
ALQ EP	08 15 10.0
MAR 29	
BOZ EP	08 08 41.9
MAR 29	
H-08 11 54.2	
61.4N 146.4W	
h ABOUT 020KM	
HHM EP	08 16 52.9
TUC E(P)	08 19 05.2
MAR 29	
BOZ E(P)	08 17 53.0
E	17 24.0

Date and Station	Phase (GCT)
	h m s
MAR 29	
H-08 18 42.5	
60.1N 146.6W	
h ABOUT 033KM	
HHM E(P)	08 23 35.9
MAR 29	
H-08 31 30.0	
60.2N 148.5W	
h ABOUT 015KM	
HHM E(P)	08 36 36.4
BOZ EP	08 37 05.0
I	37 08.0
BCN EP	08 38 02.5
ALQ E(P)	08 34 40.0
TUC EP	08 38 43.5
MAR 29	
HHM E(P)	08 33 39.9
BOZ EP	08 34 07.0
FGU EP	08 34 46.7
MAR 29	
H-08 44 52.0	
59.0N 148.1W	
h ABOUT 033KM	
HHM E(P)	08 49 51.7
MAR 29	
H-08 50 03.6	
56.7N 152.1W	
h ABOUT 033KM	
TUC E(P)	08 57 16.0
MAR 29	
H-09 00 09.1	
60.3N 148.6W	
h ABOUT 020KM	
TUC E(P)	09 07 25.0
MAR 29	
H-09 06 44.8	
56.6N 152.2W	
h ABOUT 015KM	
HHM E(P)	09 12 01.9
BCN EP	09 13 17.5
E▸P	13 22.0
EPCP	16 03.0
E▸PCP	16 07.0
TUC EP	09 13 59.6
MAR 29	
H-09 15 55.4	
58.4N 150.5W	
h ABOUT 015KM	
HHM IP	09 21 07.8
BUT P	09 21 28.2

Date and Station	Phase (GCT) h m s
BOZ EP	09 21 35.0
FGU EP	09 22 15.3
BCN EP	09 22 27.0
EPCP	25 13.5
E▷PCP	25 19.8
TUC EP	09 23 08.8
ALQ EP	09 23 09.0
EPCP	25 28.0
MAR 29	
BOZ EP	09 16 34.5
MAR 29	
H-09 22 01.0	
59.6N 149.8W	
h ABOUT 033KM	
HHM E(P)	09 27 08.9
FGU EP	09 28 18.5
BCN EP	09 28 33.0
ALQ EP	09 29 13.0
E	29 29.0
TUC E(P)	09 29 13.2
MAR 29	
H-09 28 57.6	
60.5N 151.2W	
h ABOUT 020KM	
HHM E(P)	09 34 10.9
E	34 26.9
ALQ E(P)	09 36 19.0
TUC EP	09 36 20.5
MAR 29	
HHM EP	09 31 57.2
TUC E(P)	09 33 06.0
MAR 29	
HHM EP	09 46 01.9
ALQ E(P)	09 48 14.0
EPCP	50 42.0
TUC IP	09 48 18.0
MAR 29	
HHM EP	09 55 39.9
E	56 57.0
BOZ EP	09 56 08.5
ALQ E(P)	09 57 50.0
TUC E(P)	09 57 51.5
MAR 29	
TUC EP	09 59 06.0
MAR 29	
H-10 08 02.4	
60.0N 148.6W	
h ABOUT 020KM	
HHM IP	10 13 07.9
BUT EP	10 13 28.1
BOZ EP	10 13 36.9
EL	22 42.0
UKI EP	10 13 39.0
FGU IP	10 14 18.0
BCN IP	10 14 35.0
EPP	15 43.0
EPCP	17 20.4
ALQ IP	10 15 13.0
EPCP	17 33.0
E▷PCP	17 46.0
TUC IP C	10 15 15.3
E	17 33.8
CSC I(P)	10 16 54.0
SJP EP	10 19 15.5
MAR 29	
H-10 13 48.0	
60.6N 146.3W	
h ABOUT 015KM	
HHM EP	10 18 45.5
TUC EP	10 20 55.2
MAR 29	
HHM IP	10 16 55.4
MAR 29	
TUC EP	10 25 10.5
MAR 29	
H-10 38 29.4	
59.2N 155.1W	
h ABOUT 010KM	
BOZ EP	10 44 30.0
TUC E(P)	10 46 04.5
MAR 29	
GUA IP	10 49 30.2
ES	49 55.0
MAR 29	
HHM E(P)	11 00 49.0
EL	02 09.9
BUT E(P)	11 01 37.0
BOZ E(P)	11 02 14.0
E	03 54.0
MAR 29	
H-10 49 40.3	
58.2N 150.4W	
h ABOUT 025KM	
HHM EP	10 54 50.4
BUT IP	10 55 12.1
I▷P	55 18.9
BOZ EP	10 55 18.0
FGU IP	10 55 57.8
BCN EP	10 56 09.0
E▷P	56 16.0
EPCP	58 56.0
E▷PCP	59 04.0
TUC EP	10 56 51.0
E▷P	56 58.8
EPCP	59 10.5
E▷PCP	59 18.0
ALQ IP	10 56 51.0
E▷P	56 59.0
EPCP	59 11.0
E▷PCP	59 18.0
ESCP	11 02 56.0
MAR 29	
H-11 31 56.8	
60.6N 148.7W	
h ABOUT 020KM	
HHM E(P)	11 37 03.9
TUC EP	11 39 12.2
MAR 29	
TUC EP	11 32 41.2
ALQ EP	11 32 58.0
MAR 29	
H-11 44 04.3	
60.0N 149.1W	
h ABOUT 025KM	
HHM IP	11 49 11.9
BUT P	11 49 34.2
BOZ EP	11 49 40.0
I	49 44.0
I	50 26.0
FGU EP	11 50 21.3
BCN EP	11 50 37.0
E▷P	50 44.0
EPCP	53 21.0
ALQ IP	11 51 17.0
EPCP	53 35.0
E▷PCP	53 41.0
TUC IP C	11 51 18.7
EPCP	53 35.6
MAR 29	
H-11 54 41.0	
58.8N 151.1W	
h ABOUT 025KM	
HHM EP	11 59 50.8
BUT IP	12 00 16.1
BOZ E(P)	12 00 21.0
E	00 25.0
FGU E(P)	12 01 03.5
I	02 56.5
BCN EP	12 01 15.0
TUC EP	12 02 00.0
MAR 29	
SIT E(P)	11 56 30.6
MAR 29	
H-11 56 33.0	
58.0N 151.6W	
h ABOUT 020KM	
HHM IP	12 01 49.8
I▷P	01 55.9
BUT IP	12 02 10.6
BOZ EP	12 02 17.0
BCN EP	12 03 07.0
E▷P	03 13.0
EPCP	05 50.2
E▷P	05 58.2
TUC EP	12 03 49.0
EPCP	06 05.0
ALQ IPCP	12 06 05.0
E▷PCP	06 11.0
MAR 29	
SIT E(P)	12 04 25.0
MAR 29	
H-12 03 03.8	
60.9N 143.2W	
h ABOUT 020KM	
HHM EP	12 07 45.0
E	07 50.1
BOZ EP	12 08 18.5
FGU IP	12 09 01.0
BCN EP	12 09 20.0
TUC EP	12 10 02.2
MAR 29	
HHM E(P)	12 10 38.0
BCN E(P)	12 12 08.5
TUC EP	12 12 49.0
MAR 29	
H-12 12 09.7	
57.2N 152.0W	
h ABOUT 025KM	
HHM EP	12 17 26.0
BCN EP	12 18 42.0
TUC E(P)	12 19 24.0
MAR 29	
BCN EP	12 14 31.0
E	14 40.0
MAR 29	
ALQ E(P)	12 21 41.0
E	21 44.0

Date and Station	Phase (GCT)
	h m s
MAR 29	
H-12 33 10.1	
59.2N 153.8W	
h ABOUT 020KM	
HHM EP	12 38 38.5
E	40 57.0
BOZ EP	12 39 06.0
FGU IP	12 39 45.8
BCN EP	12 39 57.5
E▸P	40 05.0
TUC EP	12 40 38.8
MAR 29	
ALQ EP	12 46 56.0
MAR 29	
H-12 48 05.9	
59.9N 145.6W	
h ABOUT 025KM	
BOZ EP	12 53 26.9
BCN EP	12 54 24.5
ALQ EP	12 55 04.0
TUC EP	12 55 07.0
KIP ET	13 36 57.0
MAR 29	
H-13 07 48.2	
60.3N 147.1W	
h ABOUT 033KM	
HHM EP	13 12 46.0
TUC EP	13 14 55.0
MAR 29	
H-13 08 00.9	
57.7N 151.4W	
h ABOUT 033KM	
HHM IP	13 13 15.0
BOZ EP	13 13 41.0
FGU IP	13 14 20.8
TUC EP	13 15 13.0
ALQ IP	13 15 14.0
EPCP	17 33.0
MAR 29	
HHM E(P)	14 02 41.0
MAR 29	
TUC EP	14 06 20.8
MAR 29	
HHM EP	14 04 11.0
E	04 15.5
BOZ EP	14 04 37.0

Date and Station	Phase (GCT)
	h m s
MAR 29	
H-14 24 15.7	
57.5N 152.4W	
h ABOUT 025KM	
HHM EP	14 29 35.0
BCN EP	14 30 51.0
TUC EP	14 31 32.7
ALQ IP	14 31 33.5
EPCP	33 49.0
MAR 29	
H-14 43 09.2	
60.2N 146.6W	
h ABOUT 025KM	
HHM EP	14 48 05.0
TUC EP	14 50 14.5
MAR 29	
SJP EP	14 51 25.0
ES	51 48.0
MAR 29	
H-14 51 30.2	
60.0N 148.9W	
h ABOUT 020KM	
HHM IP	14 56 36.9
E▸P	56 43.5
BOZ EP	14 57 05.8
BCN EP	14 58 02.2
ALQ IP	14 58 41.0
EPCP	15 01 01.0
TUC EP	14 58 43.4
MAR 29	
H-15 07 13.1	
54.3N 157.0W	
h ABOUT 020KM	
BOZ EP	15 13 23.0
FGU E(P)	15 13 57.6
TUC EP	15 14 43.0
E▸P	14 51.6
ALQ EP	15 14 48.0
E▸P	14 56.0
EPCP	16 52.0
MAR 29	
HHM E(P)	15 11 47.0
MAR 29	
KIP EP	15 14 57.0
MAR 29	
HHM EP	15 16 15.0
MAR 29	
BOZ EP	15 17 53.0
EL	18 13.0

Date and Station	Phase (GCT)
	h m s
MAR 29	
H-15 30 33.9	
57.2N 152.0W	
h ABOUT 033KM	
HHM EP	15 35 49.2
E	36 10.0
BOZ E(P)	15 36 16.0
FGU IP	15 36 55.1
BCN EP	15 37 04.2
TUC EP	15 37 46.4
ALQ EP	15 37 48.5
MAR 29	
HHM E(P)	15 33 29.0
BOZ E(P)	15 33 57.0
MAR 29	
BCN EP	15 37 29.8
MAR 29	
HHM E(P)	15 38 59.3
MAR 29	
H-15 39 28.6	
56.1N 154.4W	
h ABOUT 025KM	
TUC E(P)	15 46 49.6
MAR 29	
H-15 51 43.6	
60.4N 146.9W	
h ABOUT 025KM	
HHM IP	15 56 40.9
BCN EP	15 58 09.2
ALQ EP	15 58 44.0
EPCP	16 01 11.0
TUC EP	15 58 50.8
MAR 29	
H-16 09 15.3	
60.3N 146.6W	
h ABOUT 015KM	
SIT E(P)	16 10 52.0
HHM IP	16 14 13.5
BUT EP	16 14 35.1
BOZ IP	16 14 42.7
UKI E(P)	16 14 48.0
FGU EP	16 15 24.4
BCN EP	16 15 41.4
E▸P	15 45.6
EPCP	18 31.0
E▸PCP	18 35.4
ALQ IP	16 16 20.0
EPCP	18 41.0

Date and Station	Phase (GCT)
	h m s
CSC EP	16 18 02.0
MAR 29	
H-16 16 22.4	
58.8N 150.5W	
h ABOUT 025KM	
HHM IP	16 21 33.9
I	21 39.0
BOZ EP	16 22 01.9
E	23 54.0
FGU IP	16 22 42.4
BCN EP	16 22 55.0
MAR 29	
HHM EP	16 18 08.0
MAR 29	
H-16 18 29.3	
60.4N 146.0W	
h ABOUT 015KM	
SIT E(P)	16 20 01.4
HHM EP	16 23 23.0
BUT EP	16 23 47.1
UKI EP	16 24 01.0
FGU EP	16 24 36.1
BCN EP	16 24 53.0
E▸P	24 58.0
ALQ IP	16 25 32.0
MAR 29	
H-16 33 19.6	
56.0N 149.9W	
h ABOUT 033KM	
BCN E(P)	16 39 36.5
MAR 29	
H-16 40 57.9	
59.7N 147.0W	
h ABOUT 015KM	
SIT E(P)	16 42 39.2
HHM EP	16 45 54.2
EPCP	49 52.0
BUT IP	16 46 18.1
BOZ EP C	16 46 24.5
I▸P	46 34.0
IS	51 00.0
UKI EP	16 46 30.0
FGU IP	16 47 06.6
BCN EP C	16 47 22.0
EPCP	50 16.7
ESCP	54 04.8
ALQ EP	16 48 01.0

Date and Station	Phase	(GCT) h m s
TUC	IP C	16 48 04.4
	EPCP	50 28.2
KIP	IP	16 48 28.0
HON	EP	16 48 29.0
WAS	EP	16 49 34.0
CSC	IP	16 49 46.0
	E	17 02 11.0
SJP	EP	16 52 10.5
	E(S)	17 01 34.0
	EL	10 16.0
BHP	EP	16 52 18.0
MAR 29		
ALQ	EP	16 47 25.0
MAR 29		
H-16 45 33.6		
59.8N 146.9W		
h ABOUT 020KM		
HHM	IP	16 50 30.0
BCN	EP	16 51 55.5
	E	52 05.9
	EPCP	54 47.2
TUC	IP C	16 52 39.8
	EPCP	55 01.4
KIP	EP	16 53 01.0
MAR 29		
H-16 53 26.6		
60.3N 146.1W		
h ABOUT 015KM		
UKI	EP	16 58 57.2
BCN	EP	16 59 50.5
	EPCP	17 02 46.0
	ESCP	06 25.5
ALQ	IP	17 00 29.0
TUC	IP D	17 00 32.2
KIP	EP	17 01 00.0
MAR 29		
H-17 38 12.5		
59.9N 147.0W		
h ABOUT 015KM		
HHM	EP	17 43 09.0
BOZ	EP	17 43 39.0
BCN	E(P)	17 44 37.7
ALQ	EP	17 45 17.0
TUC	EP	17 45 19.7
MAR 29		
BCN	E(P)	17 46 55.0
MAR 29		
H-17 53 02.2		
59.9N 146.1W		
h ABOUT 015KM		
SIT	E(P)	17 54 33.1
HHM	EP	17 57 54.2
BUT	EP	17 58 18.1
BOZ	EP	17 58 23.0
UKI	EP	17 58 30.0
BCN	EP	17 59 24.0
ALQ	IP	18 00 03.0
	EPCP	02 30.0
TUC	EP	18 00 05.6
CSC	E(P)	18 01 46.0
	E	04 15.0
MAR 29		
H-17 55 30.2		
60.0N 146.1W		
h ABOUT 015KM		
BUT	EP	18 00 46.1
BOZ	EP	18 00 53.0
BCN	EP	18 01 53.4
TUC	EP	18 02 35.0
MAR 29		
H-17 57 56.8		
60.0N 147.0W		
h ABOUT 033KM		
HHM	EP	18 02 52.0
BOZ	EP	18 03 21.0
BCN	EP	18 04 20.5
MAR 29		
H-18 37 13.2		
57.8N 151.3W		
h ABOUT 033KM		
HHM	P	18 42 26.0
BCN	EP	18 43 43.4
	E>P	43 51.5
	EPCP	46 22.0
	E>PCP	46 30.5
TUC	EP	18 44 25.0
ALQ	E(P)	18 44 25.0
	EPCP	46 45.0
MAR 29		
HHM	EP	18 41 45.0
BCN	E(P)	18 43 14.5
TUC	E(P)	18 43 54.5
MAR 29		
HHM	E(P)	18 55 21.0
MAR 29		
H-18 58 37.1		
59.8N 146.7W		
h ABOUT 015KM		
COL	IP C	18 59 56.0
	IL	01 24.0
HHM	EP	19 03 34.0
BUT	E(P)	19 03 56.0
BOZ	EP	19 04 04.2
BCN	EP	19 05 01.0
ALQ	EP	19 05 41.0
TUC	E(P)	19 05 43.0
MAR 29		
BOZ	E(P)	19 01 03.0
MAR 29		
H-19 09 03.3		
60.1N 146.0W		
h ABOUT 015KM		
COL	IP C	19 10 18.2
	EL	11 22.0
SIT	E(P)	19 10 36.8
HHM	E(P)	19 13 56.0
BUT	EP	19 14 20.1
BOZ	EP	19 14 27.0
BCN	EP	19 15 26.0
ALQ	EP	19 16 04.0
TUC	EP	19 16 08.0
MAR 29		
H-19 31 46.1		
59.9N 148.2W		
h ABOUT 015KM		
COL	IP	19 33 02.2
HHM	EP	19 36 48.2
BOZ	E(P)	19 37 18.0
BCN	E(P)	19 38 20.5
ALQ	EP	19 38 54.0
TUC	EP	19 38 57.8
MAR 29		
HHM	E(P)	19 43 49.0
MAR 29		
H-19 45 24.0		
56.4N 152.8W		
h ABOUT 033KM		
HHM	E(P)	19 50 43.0
MAR 29		
HHM	E(P)	19 47 49.0
MAR 29		
COL	E(P)	19 51 40.0
HHM	EP	19 55 21.0
	E	55 29.5
TUC	EP	19 57 34.5
MAR 29		
COL	I(P)	19 56 17.5
HHM	E(P)	20 00 07.0
BOZ	E(P)	20 21 21.5
MAR 29		
H-20 30 03.4		
59.9N 145.7W		
h ABOUT 015KM		
COL	I(P)	20 31 22.0
HHM	EP	20 34 56.5
BOZ	E(P)	20 35 26.0
MAR 29		
KIP	E(P)	20 36 35.0
MAR 29		
H-20 34 43.3		
57.0N 153.7W		
h ABOUT 015KM		
COL	E(P)	20 36 49.0
HHM	EP	20 40 08.0
TUC	E(P)	20 42 06.6
ALQ	E(P)	20 42 08.0
	EPCP	44 29.0
MAR 29		
HHM	E(P)	20 43 06.0
MAR 29		
COL	I(P)	20 45 55.9
HHM	E(P)	20 49 17.0
MAR 29		
H-20 59 25.6		
59.2N 153.0W		
h ABOUT 020KM		
HHM	EP	21 04 50.2
FGU	IP	21 05 57.6
BCN	EP	21 06 09.5
TUC	EP	21 06 51.0
MAR 29		
HHM	EP	21 02 23.0
MAR 29		
H-21 03 11.5		
60.6N 144.8W		
h ABOUT 020KM		

Date and Station	Phase (GCT)
	h m s
TUC E(P)	21 10 13.0
MAR 29	
H-21 09 30.5	
59.5N 152.5W	
h ABOUT 020KM	
HHM EP	21 14 53.0
MAR 29	
H-21 40 32.7	
6.7S 155.1E	
h ABOUT 068KM	
GUA EP	21 45 26.2
KIP E	21 50 05.0
BCN EP	21 53 45.0
E	53 55.0
EPP	57 42.8
HHM EP	21 53 51.0
BOZ EP	21 53 57.5
TUC EP	21 54 00.8
EPKKP	22 10 41.5
FGU IP	21 54 05.3
ALQ E(P)	21 54 19.0
EPKKP	22 10 49.0
SJP EP'	21 59 52.1
E	22 00 06.5
MAR 29	
COL I(P)	21 40 40.6
BOZ EP	21 41 04.8
MAR 29	
COL IP C	22 19 20.0
HHM E(P)	22 20 09.0
BOZ EP	22 20 36.5
MAR 29	
HHM EP	22 32 08.5
BOZ EP	22 32 37.5
MAR 29	
HHM EP	22 32 22.2
MAR 29	
H-22 35 38.5	
60.3N 146.5W	
h ABOUT 015KM	
COL IP	22 36 50.8
HHM EP	22 40 35.0
TUC EP	22 42 45.2
MAR 29	
H-22 47 19.0	
60.3N 145.4W	
h ABOUT 015KM	
COL IP	22 48 32.5

Date and Station	Phase (GCT)
	h m s
HHM EP	22 52 10.0
BUT EP	22 52 33.9
BOZ EP	22 52 40.0
FGU E(P)	22 53 23.0
ALQ EP	22 54 19.0
EPCP	56 47.0
E	56 54.0
TUC EP	22 54 22.0
MAR 29	
SJP EP	22 57 45.2
MAR 29	
HHM EP	23 03 39.0
E	04 44.0
BOZ EP	23 04 09.0
E	05 13.0
MAR 29	
H-23 08 28.6	
56.1N 153.5W	
h ABOUT 015KM	
HHM E(P)	23 13 56.0
TUC E(P)	23 15 47.2
MAR 29	
HHM E(P)	23 16 50.0
MAR 29	
HHM EP	23 20 31.3
BOZ EP	23 21 02.3
MAR 29	
HHM EP	23 24 25.0
MAR 29	
H-23 25 35.1	
59.2N 152.6W	
h ABOUT 033KM	
COL IP C	23 27 07.0
HHM EP	23 30 51.2
BOZ EP	23 31 22.5
MAR 29	
H-23 27 55.3	
59.7N 148.2W	
h ABOUT 030KM	
HHM EP	23 32 56.9
BOZ EP	23 33 25.5
BCN EP	23 34 21.0
E	34 38.0
ALQ E(P)	23 35 01.0
TUC EP	23 35 03.7
MAR 29	
HHM EP	23 38 56.0

Date and Station	Phase (GCT)
	h m s
MAR 29	
H-23 40 54.8	
61.1N 151.0W	
h ABOUT 025KM	
COL IP D	23 42 00.0
HHM IP	23 46 13.2
BOZ EP	23 46 41.1
FGU IP	23 47 22.8
BCN EP	23 47 40.0
ALQ EP	23 48 17.0
TUC EP	23 48 20.7
MAR 29	
HHM IP	23 41 54.2
BOZ IP	23 42 42.0
E(S)	43 22.0
MAR 29	
H-23 49 28.6	
59.9N 147.1W	
h ABOUT 020KM	
COL I(P)	23 50 46.0
EL	52 10.0
SIT E(P)	23 51 03.2
BUT E(P)	23 54 46.0
BOZ EP	23 54 55.0
FGU E(P)	23 55 38.9
BCN EP	23 55 52.5
ALQ EP	23 56 32.0
TUC EP	23 56 35.8
MAR 29	
H-23 55 51.9	
58.9N 150.0W	
h ABOUT 020KM	
BOZ IP	24 01 29.0
FGU IP	24 02 09.8
BCN EP	24 02 22.0
ALQ IP	24 03 04.0
EPCP	05 23.5
E+PCP	05 30.0
TUC EPCP	24 05 23.0
MAR 30	
H-00 08 24.9	
60.2N 146.3W	
h ABOUT 033KM	
COL EP	00 09 36.4
HHM EP	00 13 18.0
E	14 35.0

Date and Station	Phase (GCT)
	h m s
MAR 30	
BCN E(P)	00 15 58.5
MAR 30	
H-00 17 57.7	
59.3N 149.0W	
h ABOUT 020KM	
ALQ E(P)	00 25 08.0
MAR 30	
H-00 26 15.7	
58.9N 150.2W	
h ABOUT 020KM	
COL I(P)	00 27 47.5
HHM IP	00 31 27.0
BOZ EP	00 31 54.7
FGU EP	00 32 33.9
BCN EP	00 32 48.3
E	32 54.0
ALQ EP	00 33 29.0
EPCP	35 48.0
MAR 30	
H-00 53 55.8	
60.0N 146.3W	
h ABOUT 015KM	
COL IP	00 55 11.5
HHM EP	00 58 51.3
EPCP	01 02 47.0
BOZ EP C	00 59 22.0
BCN EP	01 00 17.5
TUC EP	01 00 59.4
MAR 30	
COL IP	00 59 14.3
MAR 30	
H-00 59 39.6	
45.0N 111.5W	
h ABOUT 033KM	
BOZ IP	00 59 51.5
IL	01 00 04.0
BZM EP	00 59 53.5
BUT IP	01 00 03.2
IS	00 20.1
HHM EP	01 00 38.2
I	00 49.1
E	01 38.3
FGU E(P)	01 00 49.9
MAR 30	
COL I(P)	01 11 04.4
MAR 30	
BCN E(P)	01 20 38.5

Date and Station	Phase	(GCT) h m s
MAR 30		
H-01 32 09.5		
59.8N 146.6W		
h ABOUT 015KM		
BOZ	EP	01 37 35.0
	EPCP	41 09.0
BCN	EP	01 38 33.0
	E	38 45.5
ALQ	EP	01 39 13.0
	EPCP	41 39.0
TUC	EP	01 39 15.8
MAR 30		
COL	I(P)	01 32 58.1
MAR 30		
TUC	EP	01 36 15.8
MAR 30		
H-01 41 38.6		
60.6N 144.3W		
h ABOUT 033KM		
COL	I(P)	01 42 48.8
HHM	EP	01 46 23.6
BOZ	EP	01 46 54.0
FGU	E(P)	01 47 37.4
BCN	EP	01 47 55.8
TUC	EP	01 48 37.0
MAR 30		
HHM	EP	01 50 42.3
MAR 30		
HHM	E(P)	01 57 24.1
MAR 30		
H-02 03 02.2		
59.0N 148.2W		
h ABOUT 017KM		
COL	IP	02 04 31.6
HHM	EP	02 08 05.3
BUT	EP	02 08 24.2
BOZ	EP	02 08 33.0
FGU	EP	02 09 13.3
	E	15 55.2
BCN	EP	02 09 28.0
	E*P	09 33.5
ALQ	IP	02 10 08.0
TUC	IP	02 10 10.0
MAR 30		
BCN	E(P)	02 09 22.5
MAR 30		
HHM	EP	02 15 32.1
MAR 30		
COL	I(P)	02 18 38.8
MAR 30		
COL	E(P)	02 19 46.0
MAR 30		
H-02 18 06.3		
56.6N 152.9W		
h ABOUT 025KM		
COL	IP D	02 20 12.0
SIT	E(P)	02 20 22.0
BUT	P	02 23 49.0
BOZ	EP	02 23 55.8
SLC	EP	02 24 21.7
	I	24 26.0
FGU	IP	02 24 31.5
BCN	EP	02 24 39.0
KIP	EP	02 25 02.0
HON	EP	02 25 05.0
TUC	IP D	02 25 22.0
ALQ	EP	02 25 23.5
SJP	EP	02 29 37.7
	I	29 49.2
	EL	47 34.0
BHP	IP	02 29 42.0
	IS	39 04.0
MAR 30		
HHM	E(P)	02 28 48.0
	E	29 11.1
MAR 30		
COL	EP	02 29 01.9
MAR 30		
HHM	EP	02 56 44.1
MAR 30		
HHM	E(P)	03 05 25.1
MAR 30		
HHM	EP	03 14 50.1
MAR 30		
SJP	EP	03 26 00.7
	EL	26 55.5
MAR 30		
H-03 35 12.0		
61.2N 151.1W		
h ABOUT 030KM		
BCN	EP	03 41 56.0
TUC	EP	03 42 37.2
MAR 30		
HHM	EP	03 38 04.1
	E	38 42.1
	E	38 51.0
MAR 30		
BOZ	EP	03 40 10.0
MAR 30		
COL	EP	03 49 52.5
MAR 30		
HHM	EP	03 59 30.1
MAR 30		
H-04 01 35.7		
56.4N 152.8W		
h ABOUT 033KM		
HHM	E(P)	04 06 55.1
TUC	EP	04 08 49.5
MAR 30		
HHM	EP	04 11 27.6
MAR 30		
HHM	E(P)	04 19 29.1
MAR 24		
COL	EP	04 23 39.5
MAR 30		
H-04 22 43.1		
59.5N 146.3W		
h ABOUT 015KM		
HHM	EP	04 27 36.0
BOZ	EP	04 28 06.5
BCN	EP	04 29 03.0
	E*P	29 09.0
ALQ	E(P)	04 29 43.0
TUC	EP	04 29 46.0
MAR 30		
HHM	EP	04 37 46.1
BOZ	EP	04 38 29.9
MAR 30		
COL	IP D	04 41 38.8
MAR 30		
HHM	EP	04 45 02.1
BOZ	EP	04 45 34.0
MAR 30		
COL	EP	04 49 49.8
MAR 30		
H-04 51 59.3		
13.4N 090.0W		
h ABOUT 092KM		
CSC	EP	04 56 48.0
ALQ	EP	04 57 27.0
	EPCP	05 00 54.0
TUC	EP	04 57 32.6
BCN	EP	04 58 17.5
	EPCP	05 01 08.5
	E	01 15.6
FGU	IP	04 58 21.6
BOZ	EP	04 59 02.5
	EPCP	05 01 23.5
HHM	EP	04 59 27.1
	IPCP	05 01 32.3
MAR 30		
COL	IP C	04 55 29.2
MAR 30		
H-05 04 15.3		
60.4N 145.0W		
h ABOUT 033KM		
HHM	EP	05 09 02.1
MAR 30		
COL	IP	05 14 10.0
MAR 30		
H-05 14 21.5		
56.2N 154.4W		
h ABOUT 033KM		
HHM	EP	05 19 49.1
	E	20 36.1
	EPCP	23 18.7
BOZ	EP	05 20 15.0
	I	21 07.0
BCN	EP	05 21 00.0
TUC	E(P)	05 21 42.0
	EPCP	23 54.0
MAR 30		
H-05 32 29.8		
56.9N 151.7W		
h ABOUT 033KM		
BOZ	EP	05 38 09.0
TUC	E(P)	05 39 40.8
MAR 30		
HHM	IP	06 14 44.1
MAR 30		
H-06 28 58.5		
59.7N 148.6W		
h ABOUT 015KM		
COL	IP D	06 30 18.3
HHM	EP	06 34 04.9
MAR 30		
TUC	E(P)	06 33 28.4
BOZ	EP	06 33 56.5
MAR 30		
COL	IP C	06 45 26.5
MAR 30		
BOZ	EP	06 58 39.0
MAR 30		
H-07 09 34.0		
59.9N 145.7W		
h ABOUT 015KM		

Date and Station	Phase (GCT)
	h m s
COL IP D	07 10 49.5
SIT E(P)	07 11 02.5
HHM IP	07 14 21.6
E	18 01.0
BUT EP	07 14 49.2
EL	21 27.2
BOZ EP	07 14 55.1
ES	19 12.0
FGU EP	07 15 37.0
BCN EP	07 15 54.0
EL	22 48.0
ALQ EP	07 16 33.0
TUC EP	07 16 35.4
HON E(P)	07 17 01.0
KIP EP	07 17 05.0
WAS E(P)	07 18 06.0
CSC E(P)	07 18 15.0
SJP EP	07 20 40.0
ES	29 44.0
EL	38 08.0
BHP EP	07 20 46.0
MAR 30	
H-07 37 01.3	
59.7N 145.3W	
h ABOUT 033KM	
HHM EP	07 41 48.3
BCN E(P)	07 43 18.0
MAR 30	
H-07 52 43.6	
59.9N 146.5W	
h ABOUT 020KM	
HHM EP	07 57 38.6
TUC EP	07 59 48.0
MAR 30	
H-07 56 29.1	
56.3N 154.4W	
h ABOUT 020KM	
HHM EP	08 01 56.8
FGU IP	08 03 02.5
BCN EP	08 03 10.0
EPCP	05 50.0
E▸PCP	05 57.0
TUC EP	08 03 51.5
MAR 30	
HHM EP	08 01 16.8
BOZ EP	08 01 48.0
E	02 31.8

Date and Station	Phase (GCT)
	h m s
TUC EP	08 03 27.4
MAR 30	
HHM E(P)	08 25 17.1
MAR 30	
HHM E(P)	08 28 46.1
MAR 30	
BOZ EP	08 34 09.0
MAR 30	
H-08 40 10.7	
56.5N 153.0W	
h ABOUT 020KM	
HHM EP	08 45 32.3
BCN EP	08 46 46.0
TUC E(P)	08 47 27.5
MAR 30	
HHM EP	09 00 22.1
BOZ EP	09 00 32.5
MAR 30	
BOZ EP	09 20 15.0
E	20 30.0
MAR 30	
COL I(P)	09 21 00.0
MAR 30	
COL EP	09 25 32.4
MAR 30	
H-09 23 05.0	
59.9N 145.6W	
h ABOUT 033KM	
HHM EP	09 27 53.3
BOZ EP	09 28 24.0
FGU E(P)	09 29 04.8
BCN EP	09 29 22.6
E	29 35.0
ALQ E(P)	09 30 01.0
EPCP	32 29.0
TUC EP	09 30 05.2
MAR 30	
COL EP	09 41 27.8
MAR 30	
TUC EP	09 44 51.0
ALQ EP	09 45 07.0
MAR 30	
BCN EP	09 48 51.2
ES	49 29.5
IL	49 46.0
MAR 30	
H-09 57 32.5	
60.9N 145.1W	
h ABOUT 015KM	

Date and Station	Phase (GCT)
	h m s
SIT E(P)	09 59 04.3
HHM EP	10 02 24.0
BOZ EP	10 02 55.0
FGU IP	10 03 37.9
BCN EP	10 03 57.0
E▸P	03 01.2
EPCP	06 49.5
ALQ EP	10 04 34.0
EPCP	07 01.0
TUC EP	10 04 37.8
MAR 30	
H-10 15 51.7	
60.4N 146.6W	
h ABOUT 015KM	
COL IP	10 17 02.5
HHM EP	10 20 50.1
E	21 23.1
BOZ EP	10 21 19.5
E▸P	21 24.5
BCN EP	10 22 18.0
E▸P	22 22.0
TUC EP	10 22 59.5
MAR 30	
H-10 31 22.0	
60.5N 149.6W	
h ABOUT 030KM	
HHM EP	10 36 32.1
MAR 30	
H-10 35 42.3	
60.4N 146.9W	
h ABOUT 033KM	
HHM EP	10 40 38.6
BOZ EP	10 41 07.0
MAR 30	
H-10 47 05.9	
61.5N 146.8W	
h ABOUT 035KM	
COL IP C	10 47 58.5
HHM E(P)	10 52 06.1
E	52 19.1
BOZ EP	10 52 35.0
E	52 37.1
TUC EP	10 54 17.0
MAR 30	
H-10 59 27.6	
58.4N 149.2W	
h ABOUT 025KM	
HHM EP	11 04 33.1
BUT P	11 04 53.2

Date and Station	Phase (GCT)
	h m s
BOZ EP	11 05 03.0
BCN EP	11 05 52.0
E▸P	05 59.5
ALQ E(P)	11 06 34.0
E	08 54.0
TUC EP	11 06 34.5
MAR 30	
H-11 05 47.4	
60.4N 146.8W	
h ABOUT 015KM	
HHM EP	11 10 45.1
BUT EP	11 11 11.2
BOZ EP	11 11 15.5
BCN EP	11 12 14.0
E▸P	12 18.0
ALQ E(P)	11 12 54.0
EPCP	15 15.0
TUC EP	11 12 55.5
E▸P	13 00.4
MAR 30	
COL IP	11 24 14.7
MAR 30	
H-11 35 18.8	
61.5N 147.9W	
h ABOUT 025KM	
COL IP D	11 36 14.0
SIT E(P)	11 37 10.2
HHM EP	11 40 25.1
I	40 34.1
FGU E(P)	11 41 35.9
ALQ E(P)	11 42 31.0
MAR 30	
BCN E(P)	11 42 05.0
E	42 10.0
TUC E(P)	11 42 45.0
MAR 30	
BOZ EP	11 42 51.0
E	43 09.0
MAR 30	
H-11 48 40.4	
56.4N 152.5W	
h ABOUT 020KM	
HHM EP	11 53 59.1
E	57 33.1
BUT P	11 54 21.2
BOZ EP	11 54 27.0
FGU IP	11 55 05.4

Date and Station	Phase	(GCT) h m s
BCN	EP	11 55 13.0
	E▸P	55 18.2
	EPCP	57 59.0
	E▸PCP	58 05.1
TUC	EP	11 55 55.2
ALQ	EP	11 55 57.0
	EPCP	58 14.0
KIP	ET	12 32 22.0
HON	ET	12 32 25.0
MAR 30		
SIT	E(P)	12 00 01.3
HHM	EP	12 01 16.1
MAR 30		
HHM	EP	12 05 32.6
MAR 30		
H-12 05 43.5		
60.1N 147.0W		
h ABOUT 025KM		
COL	IP D	12 06 55.2
HHM	EP	12 10 40.7
BUT	EP	12 11 02.7
BOZ	EP	12 11 10.5
SLC	EP	12 11 43.7
FGU	EP	12 11 50.9
BCN	EP	12 12 08.3
	E	14 49.0
	EPCP	14 58.8
ALQ	IP	12 12 47.0
TUC	IP C	12 12 50.3
KIP	EP	12 13 13.0
MAR 30		
H-12 14 28.4		
58.0N 151.6W		
h ABOUT 025KM		
HHM	IP	12 19 44.3
	I▸P	19 51.1
FGU	IP	12 20 50.9
BCN	EP	12 21 01.8
	E▸P	21 09.0
	IPCP	23 45.8
TUC	EP	12 21 44.0
ALQ	E(P)	12 21 44.0
MAR 30		
HHM	EP	12 17 37.1
BCN	EP	12 18 16.5
MAR 30		
BUT	E(P)	12 19 12.0

Date and Station	Phase	(GCT) h m s
MAR 30		
H-12 22 23.6		
57.3N 150.2W		
h ABOUT 020KM		
HHM	IP	12 27 32.1
BCN	E(P)	12 28 49.0
MAR 30		
HHM	EP	12 23 23.1
MAR 30		
COL	IP D	12 28 48.2
BCN	E(P)	12 31 41.5
MAR 30		
HHM	E(P)	12 33 43.1
MAR 30		
BCN	EP	12 38 01.0
MAR 30		
H-12 38 16.0		
59.7N 146.9W		
h ABOUT 030KM		
HHM	EP	12 43 10.1
BUT	EP	12 43 32.2
BOZ	EP	12 43 40.0
SLC	EP	12 44 13.2
FGU	EP	12 44 21.9
BCN	EP	12 44 37.5
	E	44 46.5
ALQ	IP	12 45 17.0
TUC	EP	12 45 19.6
MAR 30		
H-12 55 12.5		
59.7N 147.0W		
h ABOUT 030KM		
COL	IP	12 56 30.5
HHM	EP	13 00 07.3
BOZ	EP	13 00 38.2
BCN	EP	13 01 34.5
	E	01 46.4
TUC	EP	13 02 16.6
MAR 30		
HHM	EP	13 03 15.0
BOZ	EP	13 03 45.0
	E	04 31.5
BCN	E(P)	13 04 43.8
	E	04 47.0
TUC	EP	13 05 24.6

Date and Station	Phase	(GCT) h m s
MAR 30		
H-13 03 34.9		
56.5N 152.7W		
h ABOUT 020KM		
SIT	E(P)	13 05 47.7
HHM	EP	13 08 55.1
	E	11 30.0
BUT	P	13 09 17.2
BOZ	EP	13 09 23.0
SLC	EP	13 09 50.7
FGU	IP	13 10 00.0
BCN	EP	13 10 08.0
	E▸P	10 14.5
	EPCP	12 53.2
	E▸PCP	13 00.5
TUC	EP	13 10 50.2
ALQ	EP	13 10 52.0
CSC	IP	13 12 45.0
	E	12 56.0
SJP	EP	13 15 05.3
MAR 30		
H-13 18 24.3		
56.8N 152.5W		
h ABOUT 015KM		
HHM	E(P)	13 23 46.1
BCN	E(P)	13 24 59.0
TUC	E(P)	13 25 41.0
MAR 30		
H-13 58 19.7		
60.2N 145.5W		
h ABOUT 033KM		
HHM	E(P)	14 03 09.1
MAR 30		
HHM	EP	14 06 28.3
MAR 30		
H-14 10 48.6		
57.4N 152.3W		
h ABOUT 030KM		
HHM	IP	14 16 07.0
BOZ	EP	14 16 33.5
	EPCP	19 50.5
BCN	EP	14 17 22.2
	E	17 31.7
	IPCP	20 05.5
TUC	EP	14 18 04.3
	EPCP	20 19.0
ALQ	EP	14 18 06.0
	EPCP	20 21.0

Date and Station	Phase	(GCT) h m s
MAR 30		
HHM	E(P)	14 13 11.1
	E	13 19.1
MAR 30		
KIP	ET	14 16 01.0
HON	ET	14 16 07.0
MAR 30		
HHM	EP	14 19 43.1
MAR 30		
H-14 25 16.0		
60.4N 147.3W		
h ABOUT 033KM		
HHM	E(P)	14 30 13.0
BOZ	EP	14 30 45.5
MAR 30		
TUC	EP	14 30 58.2
MAR 30		
H-14 53 16.6		
60.0N 146.8W		
h ABOUT 025KM		
COL	I(P)	14 54 31.0
HHM	EP	14 58 11.0
BOZ	EP	14 58 42.0
TUC	E(P)	15 00 24.4
MAR 30		
H-15 07 49.3		
58.7N 149.6W		
h ABOUT 025KM		
COL	IP	15 09 21.2
SIT	E(P)	15 09 52.1
HHM	IP	15 12 56.1
	I▸P	13 04.0
BUT	EP	15 13 17.2
BOZ	EP	15 13 24.5
	I	13 27.5
	I	13 34.0
FGU	IP	15 14 05.1
BCN	EP	15 14 17.4
	E	14 22.2
	IPCP	17 05.5
	I▸PCP	17 12.5
TUC	EP	15 15 00.0
	E▸P	15 06.5
	EPCP	17 19.2
	E▸PCP	17 25.6
KIP	IP	15 15 05.6
ALQ	IPCP	15 17 19.0
	E▸PCP	17 25.6
SJP	EP	15 19 05.2
	E▸P	19 12.2

Date and Station	Phase (GCT) h m s
MAR 30	
SIT E(P)	15 16 33.8
MAR 30	
HHM EP	15 16 41.0
MAR 30	
TUC E(P)	15 38 28.0
MAR 30	
H-16 09 28.4	
56.6N 152.1W	
h ABOUT 025KM	
COL IP D	16 11 30.9
SIT E(P)	16 11 39.2
BUT P	16 15 05.7
BOZ EP	16 15 12.0
E	15 20.7
SLC EP	16 15 40.7
FGU I(P)	16 15 44.6
BCN IP D	16 15 58.5
I▸P	16 03.0
EPCP	18 47.5
ESCP	22 27.5
KIP IP	16 16 23.8
HON E(P)	16 16 26.0
ES	22 06.0
FL	24 12.0
ET	53 21.0
TUC IP D	16 16 41.0
ALQ IP	16 16 41.5
E	22 46.0
WAS E(P)	16 18 31.3
E	38 37.0
CSC EP	16 18 38.0
SJP EP	16 20 55.2
E▸P	20 59.5
E▸P	21 01.5
MAR 30	
HHM EP	16 09 35.0
TUC EP	16 11 29.4
ALQ EP	16 11 31.0
MAR 30	
BOZ EP	16 13 20.0
MAR 30	
SJP E(P)	16 22 30.0
BHP EP	16 23 45.0
MAR 30	
H-16 38 26.5	
60.1N 150.7W	
h ABOUT 015KM	
COL IP D	16 39 43.5
HHM EP	16 43 42.6
I	43 55.0
I	44 21.0
BOZ EP	16 44 11.0
MAR 30	
BCN EP	16 45 51.0
TUC E(P)	16 46 29.4
MAR 30	
COL I(P)	16 47 24.4
HHM EP	16 51 06.9
MAR 30	
COL E(P)	16 53 29.2
MAR 30	
H-16 53 07.7	
56.6N 152.2W	
h ABOUT 015KM	
HHM EP	16 58 27.2
BOZ EP	16 58 56.0
BCN EP D	16 59 40.0
ESCP	17 06 09.0
TUC EP	17 00 21.6
ALQ EP	17 00 24.0
ESCP	06 27.0
HON ET	17 37 12.0
MAR 30	
SIT E(P)	17 04 20.7
HHM EP	17 05 43.0
MAR 30	
H-17 04 21.3	
56.7N 152.5W	
h ABOUT 033KM	
HHM E(P)	17 09 35.0
BCN EP	17 10 52.9
TUC E(P)	17 11 34.5
MAR 30	
H-17 16 06.7	
59.6N 146.5W	
h ABOUT 033KM	
COL I(P)	17 17 25.6
HHM EP	17 20 58.0
BOZ EP	17 21 28.0
TUC EP	17 23 08.0
MAR 30	
H-17 22 06.2	
60.7N 145.5W	
h ABOUT 015KM	
COL IP C	17 23 14.0
SIT E(P)	17 23 36.7
HHM EP	17 26 58.5
BOZ EP	17 27 29.5
ALQ E(P)	17 29 07.0
TUC EP	17 29 11.6
E▸P	29 17.6
MAR 30	
KIP ET	17 34 04.0
MAR 30	
COL IP D	17 38 38.0
MAR 30	
H-17 41 13.4	
61.5N 150.0W	
h ABOUT 040KM	
HHM EP	17 46 26.0
BOZ E(P)	17 46 55.0
BCN EP	17 47 53.5
E▸P	48 05.0
ALQ EP	17 48 30.0
TUC EP	17 48 34.3
MAR 30	
HHM E(P)	17 57 25.0
MAR 30	
COL IP	18 00 58.2
MAR 30	
BOZ E(P)	18 30 51.0
E	31 31.0
MAR 30	
COL EP	18 32 41.9
MAR 30	
HHM E(P)	18 33 13.0
MAR 30	
H-18 42 03.4	
24.2S 176.4W	
h ABOUT 033KM	
BCN E(P)	18 54 31.5
TUC EP	18 54 34.5
ALQ EP	18 54 55.0
BOZ EP	18 55 07.0
MAR 30	
COL IP	18 44 35.7
MAR 30	
COL IP	18 49 39.4
MAR 30	
COL EP	19 02 26.3
MAR 30	
GUA EP	19 05 35.5
ES	05 43.5
MAR 30	
COL IP C	19 06 16.2
MAR 30	
HHM EP	19 12 38.5
MAR 30	
BCN IP	19 13 34.0
ES	13 46.0
MAR 30	
H-19 18 20.5	
60.5N 143.8W	
h ABOUT 015KM	
COL IP C	19 19 34.4
HHM EP	19 23 02.0
BOZ EP	19 23 36.0
ALQ EP	19 25 14.0
TUC EP	19 25 19.0
MAR 30	
HHM EP	19 19 19.0
ES	19 57.0
MAR 30	
H-19 21 49.0	
55.1N 168.6W	
h ABOUT 030KM	
BCN EP	19 29 32.5
E	29 42.0
TUC EP	19 30 10.8
MAR 30	
SIT E(P)	19 24 05.7
MAR 30	
HHM E(P)	19 34 45.0
ES	35 30.0
MAR 30	
H-19 55 18.2	
57.9N 151.1W	
h ABOUT 030KM	
HHM EP	20 00 28.0
E▸P	00 38.8
MAR 30	
COL E(P)	19 55 43.0
MAR 30	
H-20 32 46.8	
59.4N 145.1W	
h ABOUT 015KM	
COL I(P)	20 34 11.0
EL	35 44.0
HHM EP	20 37 30.5
BUT P	20 37 58.2
BOZ EP	20 38 03.9
FGU E(P)	20 38 45.3
BCN EP	20 39 02.5

Date and Station	Phase	(GCT)
		h m s
ALQ	EP	20 39 41.0
TUC	EP	20 39 43.6
MAR 30		
BCN	E(P)	20 42 15.0
MAR 30		
HHM	E(P)	20 56 31.0
	ES	57 35.0
MAR 30		
COL	EP	21 10 45.0
HHM	EP	21 14 21.0
MAR 30		
COL	EP	21 12 00.0
MAR 30		
COL	EP	21 20 02.0
MAR 30		
H-21 32 14.9		
59.9N 147.6W		
h ABOUT 033KM		
COL	IP C	21 33 29.7
	IL	34 52.0
BOZ	EP	21 37 43.0
ALQ	IP	21 39 18.0
	EPCP	41 41.0
TUC	E(P)	21 39 21.5
MAR 30		
GUA	EP	21 34 19.0
	ES	34 32.3
MAR 30		
ALQ	EP	22 03 26.5
MAR 30		
H-22 05 03.9		
60.2N 145.5W		
h ABOUT 015KM		
COL	I(P)	22 06 19.0
	EL	08 24.0
HHM	EP	22 09 53.5
BOZ	EP	22 10 26.0
TUC	EP	22 12 06.5
MAR 30		
H-22 21 25.2		
60.3N 146.9W		
h ABOUT 015KM		
COL	IP C	22 22 37.0
	EL	24 00.0
HHM	EP	22 26 21.0
BOZ	EP	22 26 52.6
TUC	EP	22 28 33.5
MAR 30		
BUT	E(P)	22 37 57.2

Date and Station	Phase	(GCT)
		h m s
MAR 30		
COL	EP	22 40 05.0
MAR 30		
HHM	E(P)	22 42 05.0
	E	42 08.0
MAR 30		
HHM	E(P)	22 46 03.0
MAR 30		
ALQ	E(P)	22 46 42.0
MAR 30		
BOZ	EP	22 54 25.5
MAR 30		
H-23 03 34.5		
57.3N 152.7W		
h ABOUT 020KM		
COL	IP	23 05 31.0
HHM	EP	23 08 53.0
BOZ	EP	23 09 22.0
	E▸P	09 27.8
	EPCP	12 38.0
	E▸PCP	12 43.5
FGU	IP	23 10 01.7
BCN	EP	23 10 10.5
	E▸P	10 16.4
	EPCP	12 53.0
	E▸PCP	12 58.5
TUC	EP	23 10 52.4
	EPCP	13 06.5
	E▸PCP	13 12.5
ALQ	IP	23 10 53.0
	▸P	10 58.5
	EPCP	13 07.0
	E▸PCP	13 13.0
MAR 30		
COL	EP	23 07 09.0
HHM	E(P)	23 12 20.0
	E	12 28.0
MAR 30		
BCN	EP	23 23 29.0
MAR 30		
HHM	E(P)	23 39 49.0
	EL	40 23.0
MAR 30		
SIT	E(P)	23 50 14.0
MAR 30		
H-23 51 46.0		
59.6N 147.4W		
h ABOUT 033KM		
COL	IP D	23 53 05.5
	IL	55 30.0
HHM	EP	23 56 41.0
	I▸P	56 47.0
BUT	E▸P	23 57 11.5

Date and Station	Phase	(GCT)
		h m s
FGU	E(P)	23 57 53.5
BCN	EP	23 58 03.5
	E▸P	58 09.0
	E	58 14.9
TUC	EP	23 58 45.5
ALQ	EP	23 58 48.0
MAR 31		
H-00 14 11.7		
45.3N 151.0E		
h ABOUT 060KM		
HHM	EP	00 24 17.0
BUT	E(P)	00 24 31.2
SLC	EP	00 24 59.7
FGU	EP	00 25 06.8
BCN	EP	00 25 07.4
TUC	EP	00 25 36.0
	EPP	28 32.0
	E	35 00.0
ALQ	EP	00 25 41.0
	E	35 12.0
CSC	E(P)	00 27 00.0
MAR 31		
COL	IP C	00 16 15.5
BOZ	EP	00 21 48.0
FGU	E(P)	00 22 22.5
ALQ	EP	00 22 46.0
MAR 31		
COL	IP D	00 19 03.4
MAR 31		
HHM	EP	00 30 46.5
TUC	EP	00 32 59.6
MAR 31		
COL	IP D	00 39 43.3
MAR 31		
H-00 44 53.3		
59.5N 146.3W		
h ABOUT 015KM		
COL	IP D	00 46 12.0
	EL	47 27.6
HHM	EP	00 50 00.0
BOZ	E(P)	00 50 24.0
FGU	EP	00 51 03.0
BCN	EP	00 51 13.8
	I	51 19.5
TUC	EP	00 51 55.5

Date and Station	Phase	(GCT)
		h m s
MAR 31		
COL	IP	00 54 46.1
MAR 31		
H-01 17 11.3		
58.8N 148.9W		
h ABOUT 020KM		
HHM	IP	01 22 15.0
	I	22 20.5
BOZ	EP	01 22 46.0
	I▸P	22 52.2
MAR 31		
BOZ	EP	01 24 39.0
MAR 31		
GUA	EP	01 33 17.5
	ES	33 30.6
MAR 31		
H-01 40 54.5		
60.3N 145.3W		
h ABOUT 015KM		
COL	IP C	01 42 08.0
HHM	EP	01 45 44.3
	E	45 51.0
BOZ	EP	01 46 15.0
FGU	E(P)	01 46 56.6
ALQ	EP	01 47 53.0
	E	50 17.0
TUC	EP	01 47 57.7
MAR 31		
SJP	EP	01 50 06.2
	ES	50 18.6
MAR 31		
H-01 57 54.3		
57.6N 150.1W		
h ABOUT 020KM		
COL	EP	01 59 42.0
	EL	02 02 08.0
BOZ	EP	02 03 30.5
BCN	EP	02 04 20.5
TUC	EP	02 05 03.2
MAR 31		
FGU	EP	01 59 18.6
	ES	59 48.6
MAR 31		
COL	IP	02 08 12.5
MAR 31		
H-02 11 07.1		
43.6N 126.6W		
h ABOUT 033KM		
EUR	EP	02 13 18.7
HHM	EP	02 13 30.0

Date and Station	Phase (GCT)
	h m s
BCN EP	02 13 57.0
TUC E(P)	02 15 02.0
ALQ EP	02 15 18.0
MAR 31	
HHM EP	02 21 07.0
I	21 11.2
MAR 31	
H-02 43 35.6	
56.7N 154.0W	
h ABOUT 020KM	
COL IP D	02 45 42.5
HHM EP	02 49 03.5
EUR IP	02 49 46.7
FGU EP	02 50 07.9
BCN EP	02 50 15.7
E	50 24.5
TUC EP	02 50 57.2
ALQ EP	02 50 58.0
E	52 41.0
MAR 31	
COL I(P)	02 46 47.0
IS	48 06.0
MAR 31	
H-02 45 26.9	
59.7N 149.8W	
h ABOUT 010KM	
COL EP	02 46 50.0
HHM IP	02 50 37.9
I▸P	50 42.0
EUR IP	02 51 32.6
FGU EP	02 51 47.0
BCN EP	02 52 02.5
E	52 18.0
TUC EP	02 52 44.7
MAR 31	
BOZ EP	03 07 19.0
MAR 31	
BOZ EP	03 23 21.0
MAR 31	
HHM EP	03 35 29.0
MAR 31	
COL I(P)	03 42 21.2
HHM E(P)	03 45 54.0
MAR 31	
H-04 04 48.5	
59.1N 148.4W	
h ABOUT 020KM	
COL IP D	04 06 16.6

Date and Station	Phase (GCT)
	h m s
HHM EP	04 09 46.5
BOZ EP	04 10 20.2
MAR 31	
H-04 20 16.3	
60.3N 146.3W	
h ABOUT 005KM	
COL IP	04 21 29.8
IL	23 42.0
HHM EP	04 25 12.5
EPCP	29 10.0
BUT P	04 25 38.6
BOZ EP	04 25 43.0
EUR IP	04 26 11.4
FGU EP	04 26 24.2
BCN EP	04 26 42.4
ALQ EP	04 27 20.0
EPCP	29 45.0
TUC EP	04 27 23.4
MAR 31	
BOZ EP	04 22 14.2
MAR 31	
FGU E(P)	04 28 48.2
E(S)	29 22.5
MAR 31	
ALQ E(P)	04 38 16.0
MAR 31	
SJP EP	04 44 07.5
ES	44 26.5
MAR 31	
H-04 46 06.1	
57.6N 151.2W	
h ABOUT 033KM	
HHM EP	04 51 17.2
E▸P	51 24.5
BOZ EP	04 51 45.0
EUR EP	04 52 05.0
FGU EP	04 52 24.2
BCN E▸P	04 52 41.4
MAR 31	
COL I(P)	04 47 24.6
MAR 31	
HHM EP	04 49 54.2
MAR 31	
COL EP	04 47 36.0
MAR 31	
EUR IP	04 55 38.3
TUC EP	04 56 49.4

Date and Station	Phase (GCT)
	h m s
MAR 31	
COL EP	04 58 46.9
MAR 31	
ALQ E(P)	04 59 14.0
MAR 31	
HHM EP	05 26 42.0
MAR 31	
TUC E(P)	05 37 48.0
ALQ EP	05 37 52.5
MAR 31	
H-06 28 59.1	
59.6N 146.4W	
h ABOUT 033KM	
COL IP C	06 30 19.5
HHM EP	06 33 50.0
MAR 31	
COL EP	06 31 44.0
MAR 31	
COL EP	06 34 26.5
MAR 31	
COL I(P)	06 56 13.6
HHM EP	06 59 52.0
MAR 31	
COL I(P)	07 03 26.0
MAR 31	
COL IP	07 06 17.6
MAR 31	
H-07 08 54.5	
58.3N 149.3W	
h ABOUT 020KM	
COL I(P)	07 10 34.7
EL	12 17.0
BOZ EP	07 14 24.5
EUR EP	07 14 49.7
BCN EP	07 15 19.5
E▸P	15 26.0
EPCP	18 11.5
E▸PCP	18 17.0
TUC E(P)	07 16 02.0
MAR 31	
COL EP	07 11 04.0
EL	12 32.0
MAR 31	
BOZ EP	07 13 06.9
MAR 31	
H-07 15 10.6	
59.8N 148.0W	
h ABOUT 033KM	
COL IP D	07 16 26.2

Date and Station	Phase (GCT)
	h m s
MAR 31	
COL IP	07 37 48.2
MAR 31	
HHM E(P)	07 56 25.0
BOZ EP	07 57 02.5
EUR EP	07 57 29.4
FGU E(P)	07 57 52.0
ALQ EP	07 58 57.0
TUC EP	07 58 58.0
MAR 31	
HHM EP	07 58 58.8
MAR 31	
H-08 05 50.0	
60.2N 147.6W	
h ABOUT 035KM	
COL IP	08 06 59.4
EUR EP	08 11 44.8
MAR 31	
H-08 40 52.2	
59.8N 148.6W	
h ABOUT 036KM	
COL IP	08 42 09.0
IS	43 14.0
HHM IP	08 45 53.5
BOZ EP	08 46 23.5
EUR EP	08 46 49.7
FGU EP	08 47 04.7
ALQ EP	08 47 58.0
EPCP	50 21.0
TUC EP	08 48 02.0
MAR 31	
H-09 01 30.2	
50.8N 130.2W	
h ABOUT 015KM	
SIT E(P)	09 03 12.1
HHM IP D	09 04 07.5
IL	07 07.0
BUT P	09 04 31.6
BOZ EP C	09 04 40.6
I	04 47.0
EUR IP	09 05 05.1
SLC IP	09 05 19.3
COL EP	09 05 26.0
FGU IP	09 05 35.7
ALQ IP	09 06 38.0
EL	11 00.0

Date and Station	Phase (GCT)
	h m s
TUC EP	09 06 39.4
EL	11 06.0
HON EP	09 08 41.0
ET	46 37.0
WAS E(P)	09 08 55.0
CSC IP	09 08 59.0
SJP EP	09 11 35.5
E	11 38.0
E	11 49.2
BHP I(P)	09 11 36.0
KIP ET	09 46 30.0
MAR 31	
COL IP D	09 02 19.0
MAR 31	
COL EP	09 26 22.9
MAR 31	
H-09 52 32.8	
57.8N 152.2W	
h ABOUT 015KM	
HHM EP	09 57 53.2
MAR 31	
COL EP	10 02 35.0
MAR 31	
H-10 13 29.1	
58.8N 148.4W	
h ABOUT 020KM	
COL IP D	10 15 01.0
BOZ EP	10 19 02.0
MAR 31	
COL IP C	10 21 40.5
HHM EP	10 25 17.3
MAR 31	
HHM E(P)	10 54 55.0
ES	55 50.5
MAR 31	
COL EP	11 03 32.6
SIT E(P)	11 04 49.5
HHM EP	11 07 13.0
E	07 21.0
BUT P	11 07 31.9
BOZ EP	11 07 42.2
EUR EP	11 08 05.7
TUC E(P)	11 09 13.4
MAR 31	
H-11 03 35.4	
58.9N 149.9W	
h ABOUT 020KM	

Date and Station	Phase (GCT)
	h m s
HHM IP	11 08 45.0
IpP	08 51.0
BOZ EP	11 09 13.0
I	09 16.0
I	09 22.0
EUR IP	11 09 36.2
ALQ IP	11 10 46.0
EPCP	13 05.0
EpPCP	13 12.0
ESCP	16 52.0
TUC EP	11 10 48.0
EPCP	13 06.2
MAR 31	
COL EP	11 05 32.0
MAR 31	
HHM EP	11 12 29.9
EUR IP	11 12 43.5
MAR 31	
COL IP D	11 14 56.0
MAR 31	
H-11 18 13.2	
57.0N 152.9W	
h ABOUT 020KM	
COL IP D	11 20 13.4
HHM EP	11 23 33.5
EUR EP	11 24 20.7
TUC EP	11 25 31.5
MAR 31	
H-11 19 17.9	
60.0N 146.5W	
h ABOUT 015KM	
COL IP D	11 20 34.0
SIT E(P)	11 20 53.3
HHM EP	11 24 14.2
BUT P	11 24 37.6
BOZ EP	11 24 44.0
FUR IP	11 25 11.6
FGU E(P)	11 25 24.6
TUC EP	11 26 24.5
EpP	26 29.5
MAR 31	
H-11 24 57.4	
58.2N 150.3W	
h ABOUT 033KM	
HHM EP	11 30 05.0
MAR 31	
H-11 52 13.9	
60.1N 146.4W	
h ABOUT 015KM	

Date and Station	Phase (GCT)
	h m s
COL E(P)	11 53 28.0
EL	54 46.0
HHM EP	11 57 10.0
IpP	57 15.0
BOZ EP	11 57 39.0
EpP	57 43.5
E	59 04.0
EUR IP	11 58 07.1
TUC E(P)	11 59 19.4
EpP	59 23.5
E	12 00 26.6
MAR 31	
COL IP	11 53 09.3
MAR 31	
FGU E(P)	11 55 30.9
MAR 31	
H-11 53 14.4	
56.5N 152.3W	
h ABOUT 025KM	
FGU EP	11 59 37.8
EUR IP	11 59 16.4
ALQ EP	12 00 29.0
HON E	12 06 22.0
EL	09 48.0
KIP ET	12 36 19.0
MAR 31	
GUA E(P)	12 06 28.8
MAR 31	
H-12 30 35.7	
58.4N 150.9W	
h ABOUT 025KM	
COL IP D	12 32 14.0
MAR 31	
H-12 40 32.3	
59.6N 148.1W	
h ABOUT 033KM	
COL IP	12 41 51.4
TUC EP	12 47 39.0
MAR 31	
BOZ EP	12 45 24.0
MAR 31	
COL EP	12 48 32.5
MAR 31	
H-12 53 43.6	
56.7N 152.2W	
h ABOUT 033KM	
COL IP	12 55 46.7
HHM EP	12 59 02.0
BOZ EP	12 59 30.0

Date and Station	Phase (GCT)
	h m s
EUR EP	12 59 44.9
TUC EP	13 00 54.6
MAR 31	
COL EP	13 05 35.5
I	05 49.8
MAR 31	
COL EP	13 24 09.2
HHM EP	13 27 13.0
E	28 15.5
MAR 31	
BOZ EP	13 48 47.0
MAR 31	
COL EP	13 54 14.4
MAR 31	
COL EP	14 02 25.6
MAR 31	
BOZ E(P)	14 08 40.0
MAR 31	
COL EP	14 20 32.0
MAR 31	
COL E(P)	14 39 25.9
MAR 31	
COL I(P)	15 06 10.6
HHM EP	15 09 50.0
MAR 31	
COL E(P)	15 15 05.0
MAR 31	
COL I(P)	15 20 00.0
MAR 31	
H-15 20 28.9	
22.8S 066.8W	
h ABOUT 219KM	
ALQ IP	15 31 10.5
EpP	32 07.0
TUC EP	15 31 13.3
EUR EP	15 32 00.2
HHM EP	15 32 28.0
E	32 31.5
MAR 31	
COL I(P)	15 37 36.0
HHM EP	15 40 45.8
MAR 31	
COL E(P)	15 50 51.6
MAR 31	
H-15 53 51.4	
57.0N 152.6W	
h ABOUT 033KM	
COL E(P)	15 55 53.8
I	55 57.1

Date and Station	Phase (GCT) h m s
HHM EP	15 59 08.0
E	59 40.0
MAR 31	
BOZ EP	16 22 47.0
MAR 31	
COL IP	16 27 05.5
MAR 31	
EUR IP	16 26 43.3
MAR 31	
COL IP	16 31 28.3
MAR 31	
H-16 32 07.2	
57.3N 152.0W	
h ABOUT 033KM	
EUR EP	16 38 08.8
MAR 31	
COL I(P)	16 35 10.0
ES	36 08.0
MAR 31	
ALQ EP	16 41 09.0
I	41 39.0
MAR 31	
H-16 43 45.5	
59.7N 148.7W	
h ABOUT 033KM	
COL IP	16 45 03.8
EL	46 22.0
HHM EP	16 48 49.9
EUR EP	16 49 42.6
ALQ EP	16 50 53.0
EPCP	53 14.0
TUC EP	16 50 55.4
MAR 31	
COL EP	16 44 27.8
MAR 31	
COL EP	16 45 20.0
MAR 31	
COL EP	17 00 47.0
MAR 31	
H-17 04 39.0	
17.7S 178.8W	
h ABOUT 540KM	
EUR IP	17 16 02.1
TUC EP	17 16 03.8
E▸P	18 02.7
ALQ EP	17 16 25.0
I▸P	18 26.0
HHM EP	17 16 28.9
MAR 31	
COL EP	17 18 43.8

Date and Station	Phase (GCT) h m s
MAR 31	
BOZ EP	17 27 39.0
ES	28 11.0
MAR 31	
BOZ EP	17 31 30.0
MAR 31	
HHM EP	17 34 15.9
MAR 31	
COL EP	18 02 16.0
MAR 31	
HHM E(P)	18 17 37.9
MAR 31	
COL E(P)	18 19 33.0
MAR 31	
H-18 20 33.0	
57.1N 150.6W	
h ABOUT 033KM	
COL IP D	18 22 28.9
BOZ E(P)	18 26 08.0
E	26 11.0
MAR 31	
HHM E(P)	18 29 16.8
E	29 26.8
MAR 31	
H-18 30 21.3	
58.5N 150.0W	
h ABOUT 033KM	
HHM EP	18 35 28.8
MAR 31	
COL I(P)	18 30 54.7
MAR 31	
H-18 37 36.8	
60.4N 146.0W	
h ABOUT 033KM	
COL IP C	18 38 44.7
HHM EP	18 42 28.8
BOZ E(P)	18 43 00.0
EUR EP	18 43 25.9
ALQ EP	18 44 36.0
TUC EP	18 44 39.8
MAR 31	
COL EP	18 47 06.0
MAR 31	
COL IP	19 16 35.0
HHM EP	19 20 22.0
MAR 31	
HHM EP	19 32 51.8
MAR 31	
COL IP	19 33 15.1

Date and Station	Phase (GCT) h m s
MAR 31	
COL IP	19 44 55.1
MAR 31	
COL EP	19 47 23.0
MAR 31	
COL I(P)	19 59 17.0
MAR 31	
COL IP	20 03 32.3
MAR 31	
COL EP	20 03 32.4
MAR 31	
BOZ E(P)	20 23 25.0
MAR 31	
COL EP	20 24 59.0
MAR 31	
COL EP	20 25 24.7
MAR 31	
H-20 29 40.8	
57.3N 150.7W	
h ABOUT 033KM	
COL IP C	20 31 33.4
MAR 31	
SJP IP	20 44 08.5
IS	44 19.5
MAR 31	
HHM E(P)	20 55 15.8
E(S)	56 21.0
MAR 31	
BOZ EP	20 57 16.0
MAR 31	
COL EP	20 58 27.0
MAR 31	
COL IP	21 03 04.8
MAR 31	
H-21 04 01.1	
58.2N 150.3W	
h ABOUT 020KM	
HHM IP	21 09 11.6
IPCP	12 56.0
BUT P	21 09 32.4
EUR IP	21 10 00.9
FGU IP	21 10 19.1
ALQ IP	21 11 12.0
E	11 24.0
EPCP	13 32.0
E▸PCP	13 39.0
TUC EP	21 11 13.4
E▸P	11 20.0
EPCP	13 31.5
MAR 31	
BUT IP	21 09 06.2

Date and Station	Phase (GCT) h m s
MAR 31	
H-21 12 32.5	
58.5N 150.6W	
h ABOUT 033KM	
COL IP D	21 14 08.7
HHM EP	21 14 42.1
MAR 31	
COL EP	21 16 13.0
MAR 31	
H-21 20 38.2	
56.3N 152.7W	
h ABOUT 015KM	
FGU EP	21 27 04.0
MAR 31	
BUT IP	21 24 38.0
MAR 31	
ALQ E(P)	21 25 48.0
MAR 31	
COL EP	21 32 15.5
MAR 31	
ALQ E(P)	21 34 06.0
MAR 31	
ALQ IP	21 39 17.0
MAR 31	
COL EP	21 32 16.0
MAR 31	
COL EP	21 42 36.0
MAR 31	
COL EP	21 42 36.4
MAR 31	
COL IP C	21 47 15.0
MAR 31	
BCN IP	21 50 00.7
ES	50 12.8
MAR 31	
COL IP	21 47 15.2
MAR 31	
COL EP	21 57 31.0
MAR 31	
COL IP	22 11 07.5
MAR 31	
COL IP	22 12 12.0
MAR 31	
EUR IP	22 26 54.4
MAR 31	
COL EP	22 35 13.0
MAR 31	
COL IP	22 35 14.0
MAR 31	
COL EP	22 47 35.0

Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)
	h m s		h m s		h m s		h m s
MAR 31							
COL IP	22 47 41.1						
MAR 31							
COL I(P)	22 49 17.0						
MAR 31							
COL EP	22 56 47.0						
MAR 31							
COL EP	23 03 29.0						
MAR 31							
COL EP	23 10 53.0						
BOZ EP	23 13 19.0						
E	13 25.0						
MAR 31							
COL EP	23 11 13.1						
MAR 31							
H-23 36 56.0							
59.9N 145.8W							
h ABOUT 030KM							
COL IP C	23 38 10.5						
BUT EP	23 42 09.1						
BOZ EP	23 42 16.5						
EUR IP	23 42 43.3						
FGU EP	23 42 58.3						
ALQ IP	23 43 53.0						
EPCP	46 21.0						
TUC EP	23 43 56.5						
EPP	44 06.4						
CSC E(P)	23 45 37.0						
MAR 31							
SJP IP	23 40 34.5						
ES	40 50.5						
MAR 31							
COL IP	23 46 40.1						
MAR 31							
BOZ EP	23 57 12.0						