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April, 1964

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COAST & GEODETIC SURVEY
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Robert M. White, Acting Administrator

COAST AND GEODETIC SURVEY—WASHINGTON

James C. Tison Jr., Acting Director

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March 4, 2011

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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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
APR	H M S	DEG	DEG	KM		
1	00 01 10.6	60.4 N	146.4 W	10	4.9	SOUTHERN ALASKA.
1	00 36 32.4	58.3 N	150.4 W	20	4.3	GULF OF ALASKA.
1	01 12 17.1	60.3 N	145.0 W	33	4.2	SOUTHERN ALASKA.
1	01 21 05.4	60.6 N	149.2 W	25	4.6	KENAI PENINSULA, ALASKA.
1	01 54 09.3	59.7 N	146.1 W	15	4.3	GULF OF ALASKA.
1	02 14 09.0	59.5 N	146.7 W	33	3.9	GULF OF ALASKA.
1	03 05 49.9	60.1 N	146.1 W	15	4.4	SOUTHERN ALASKA.
1	03 23 17.2	57.2 N	151.3 W	25	5.1	KODIAK ISLAND REGION. MAG. 5 1/4 (PAL).
1	03 43 47*	59.9 N	146.1 W	33	3.8	GULF OF ALASKA.
1	04 26 52.7	2.8 S	80.1 W	35	4.5	NEAR COAST OF ECUADOR.
1	04 32 40.7	58.7 N	150.1 W	20	4.8	GULF OF ALASKA.
1	04 49 26.3	57.2 N	151.4 W	20	4.8	KODIAK ISLAND REGION.
1	04 54 00*	59.5 N	147.4 W	33	3.9	GULF OF ALASKA.
1	05 33 02.9	59.9 N	146.0 W	15	4.5	GULF OF ALASKA.
1	06 16 21.4	60.2 N	147.1 W	15	4.8	SOUTHERN ALASKA.
1	06 39 48.5	60.4 N	146.7 W	10	4.4	SOUTHERN ALASKA.
1	07 26 03*	59.6 N	150.1 W	33	4.1	KENAI PENINSULA, ALASKA.
1	07 56 08*	56.6 N	151.3 W	33	3.9	KODIAK ISLAND REGION.
1	08 09 01.2	56.6 N	151.4 W	25	4.4	KODIAK ISLAND REGION.
1	08 13 51.9	37.8 N	135.8 E	386	4.0	SEA OF JAPAN.
1	08 28 09.4	60.0 N	147.6 W	20	4.4	SOUTHERN ALASKA.
1	08 33 22.0	59.9 N	146.6 W	10	4.5	GULF OF ALASKA.
1	08 54 04*	56.7 N	152.3 W	25	4.1	KODIAK ISLAND REGION.
1	08 59 07*	27.8 N	139.5 E	469	3.9	BONIN ISLANDS REGION.
1	10 23 10*	56.8 N	153.6 W	33	4.1	KODIAK ISLAND REGION.
1	10 45 13.6	59.1 N	148.5 W	33	4.0	KENAI PENINSULA, ALASKA.
1	11 01 25.5	60.4 N	146.5 W	10	4.6	SOUTHERN ALASKA.
1	13 33 23.4	59.7 N	148.2 W	20	4.5	KENAI PENINSULA, ALASKA.
1	13 54 31.9	57.5 N	151.3 W	20	4.9	KODIAK ISLAND REGION.
1	15 22 38.3	57.3 N	152.9 W	15	4.8	KODIAK ISLAND REGION.
1	16 29 09.0	59.7 N	146.5 W	15	4.7	GULF OF ALASKA.
1	17 23 12.1	56.1 N	155.4 W	20	4.4	ALASKA PENINSULA.
1	17 38 00.5	17.4 S	168.9 E	227	4.4	NEW HEBRIDES ISLANDS.
1	18 48 32.9	60.0 N	142.4 W	33	4.4	SOUTHERN ALASKA.
1	20 07 24.2	56.6 N	153.0 W	33	4.4	KODIAK ISLAND REGION.
1	20 13 08.3	58.3 N	149.6 W	20	5.1	GULF OF ALASKA.
1	22 00 58.7	58.9 N	150.0 W	20	4.6	GULF OF ALASKA.
1	23 37 07.7	51.0 N	157.1 E	33	4.5	NEAR EAST COAST OF KAMCHATKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
2	00 16 44.7	60.9 N	148.0 W	33	4.1	KENAI PENINSULA, ALASKA.
2	01 11 43.5	5.8 N	95.6 E	033	6.7	NORTHERN SUMATRA. MAG. 7 (PAS), 7 1/2 (BRK), 6 3/4-7 (PAL), MODERATE PROPERTY DAMAGE ON SUMATRA.
2	02 15 09.2	56.4 N	152.5 W	33	4.3	KODIAK ISLAND REGION.
2	02 40 30.7	60.1 N	148.2 W	33	3.7	KENAI PENINSULA, ALASKA.
2	03 09 45.4	5.5 N	95.7 E	108	5.1	NORTHERN SUMATRA.
2	03 48 59.6	12.5 N	87.8 W	32	4.2	NEAR COAST OF NICARAGUA.
2	03 50 25.1	56.2 N	153.0 W	33	4.3	KODIAK ISLAND REGION.
2	04 43 17.2	25.8 S	13.8 W	33	5.0	SOUTH ATLANTIC OCEAN.
2	05 25 24*	60.1 N	147.8 W	33	3.8	SOUTHERN ALASKA.
2	05 32 03.0	58.8 N	159.5 W	33	4.1	BRISTOL BAY.
2	06 07 17*	58.9 N	150.5 W	33	3.9	GULF OF ALASKA.
2	06 18 16*	60.4 N	146.8 W	20	4.0	SOUTHERN ALASKA.
2	06 53 31.5	6.9 S	125.5 E	485	4.8	BANDA SEA.
2	07 38 30.7	2.0 N	125.6 E	82	5.0	TALAUD ISLANDS.
2	07 57 17.8	60.1 N	147.9 W	33	4.5	SOUTHERN ALASKA.
2	08 27 13.5	56.6 N	152.4 W	33	4.3	KODIAK ISLAND REGION.
2	08 31 37*	55.8 N	154.3 W	33	4.2	SOUTH OF ALASKA.
2	09 04 51.9	57.9 N	151.1 W	33	4.8	KODIAK ISLAND REGION.
2	09 23 58*	60.4 N	146.2 W	33	3.9	SOUTHERN ALASKA.
2	09 57 54.5	56.5 N	152.8 W	20	4.9	KODIAK ISLAND REGION.
2	10 09 47.0	56.7 N	152.6 W	33	4.2	KODIAK ISLAND REGION.
2	10 58 09.1	59.3 N	150.0 W	25	4.6	KENAI PENINSULA, ALASKA.
2	11 41 10.7	58.8 N	149.6 W	20	5.4	GULF OF ALASKA.
2	12 14 59*	60.1 N	145.3 W	33	4.0	SOUTHERN ALASKA.
2	12 19 09.5	56.3 N	152.2 W	33	4.3	KODIAK ISLAND REGION.
2	12 20 25*	60.9 N	148.1 W	10	4.1	KENAI PENINSULA, ALASKA.
2	13 28 38.6	60.2 N	147.6 W	20	4.4	SOUTHERN ALASKA.
2	14 22 03.4	60.5 N	149.0 W	33	4.3	KENAI PENINSULA, ALASKA.
2	14 57 43.1	57.4 N	150.3 W	33	4.0	GULF OF ALASKA.
2	15 25 41.5	9.5 N	82.7 W	33	3.9	PANAMA-COSTA RICA BORDER REGION.
2	15 56 52.6	5.8 N	125.8 E	179	5.7	MINDANAO, PHILIPPINE ISLANDS.
2	16 40 19*	25.5 N	112.5 W	33	4.1	BAJA CALIFORNIA.
2	18 17 32*	56.8 N	151.2 W	33	4.4	KODIAK ISLAND REGION.
2	18 25 21.0	60.0 N	147.8 W	40	4.6	SOUTHERN ALASKA.
2	19 03 52*	60.4 N	145.3 W	33	4.1	SOUTHERN ALASKA.
2	19 28 22.0	12.4 N	143.5 E	33	4.7	SOUTH OF MARIANA ISLANDS.
2	19 38 24.7	60.7 N	145.8 W	15	4.4	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
2	19 40 19.9	59.6 N	144.8 W	20	4.7	GULF OF ALASKA.
2	20 09 42.0	59.8 N	147.0 W	10	5.0	GULF OF ALASKA.
2	21 09 36*	58.8 N	144.8 W	15	4.2	GULF OF ALASKA.
2	22 07 20.6	60.4 N	147.2 W	10	4.4	SOUTHERN ALASKA.
2	22 34 31.7	59.8 N	144.3 W	20	5.0	GULF OF ALASKA. MAG. 4 3/4-5 (BRK), 5 3/4-6 (PAL).
2	23 27 52.4	56.4 S	25.1 W	33	6.0	SOUTH SANDWICH ISLANDS REGION.
2	23 29 59.3	60.5 N	146.3 W	15	3.9	SOUTHERN ALASKA.
3	00 37 38.5	58.2 N	148.9 W	33	5.0	GULF OF ALASKA.
3	01 14 40.0	59.3 N	148.3 W	33	4.4	KENAI PENINSULA, ALASKA.
3	01 40 26.5	59.3 N	147.7 W	33	4.6	GULF OF ALASKA.
3	04 12 39.7	3.9 N	96.6 E	52	6.1	NORTHERN SUMATRA.
3	04 51 26.8	57.0 N	154.0 W	33	4.3	KODIAK ISLAND REGION.
3	04 54 49.2	43.8 N	143.3 E	33	4.7	HOKKAIDO, JAPAN REGION.
3	05 56 23.5	15.4 N	94.1 W	33	4.2	NEAR COAST OF OAXACA, MEXICO.
3	06 23 11.3	60.0 N	149.5 W	33		KENAI PENINSULA, ALASKA.
3	06 56 09.7	60.7 N	149.4 W	33	3.9	KENAI PENINSULA, ALASKA.
3	08 38 42.8	59.6 N	144.7 W	10	5.4	GULF OF ALASKA.
3	08 46 26.9	57.9 N	150.5 W	15	5.5	GULF OF ALASKA.
3	08 47 34.8	27.9 S	178.1 W	33	4.8	KERMADEC ISLANDS.
3	09 04 33.5	4.9 S	152.1 E	82	4.8	NEW BRITAIN REGION. FELT.
3	09 48 15.7	57.1 N	150.5 W	33	4.4	GULF OF ALASKA.
3	10 46 52*	59.3 N	147.0 W	33	3.7	GULF OF ALASKA.
3	11 09 28*	56.7 N	152.3 W	33	3.8	KODIAK ISLAND REGION.
3	12 53 36.4	60.3 N	147.1 W	15	4.2	SOUTHERN ALASKA.
3	13 46 38.0	8.7 S	78.7 W	82	4.6	NEAR COAST OF NORTHERN PERU.
3	13 52 01.7	58.9 N	147.3 W	33		GULF OF ALASKA.
3	15 44 53.2	7.5 S	128.7 E	33		BANDA SEA.
3	17 21 10.3	1.9 N	102.2 W	33	4.8	EAST CENTRAL PACIFIC OCEAN.
3	19 08 15.2	14.9 S	167.1 E	95	4.9	NEW HEBRIDES ISLANDS.
3	19 57 53.3	60.1 N	148.0 W	20	4.8	KENAI PENINSULA, ALASKA.
3	20 23 25.0	57.0 N	146.1 W	25	4.6	GULF OF ALASKA.
3	20 47 24.7	60.6 N	140.9 W	15	4.5	SOUTHEASTERN ALASKA.
3	22 15 48.3	57.1 N	151.9 W	15	5.1	KODIAK ISLAND REGION.
3	22 33 42.2	61.6 N	147.6 W	40	5.7	SOUTHERN ALASKA. MAG. 6 (PAS), 5 1/4 (BRK), 6 1/4-6 1/2 (PAL).
4	01 58 40.9	58.4 N	146.8 W	33	4.4	GULF OF ALASKA.
4	02 35 05.1	44.2 N	146.0 E	62	4.3	KURILE ISLANDS.
4	04 34 56.9	60.3 N	146.5 W	5	5.0	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
4	04 54 01.7	60.1 N	146.7 W	40	5.6	SOUTHERN ALASKA.
4	05 10 34.4	57.3 N	149.4 W	20	4.6	GULF OF ALASKA.
4	06 10 30.2	59.8 N	146.1 W	33	3.7	GULF OF ALASKA.
4	06 43 20.2	12.5 N	87.7 W	41	4.3	NEAR COAST OF NICARAGUA.
4	06 53 25.9	60.4 N	146.0 W	15	4.8	SOUTHERN ALASKA.
4	06 57 12.4	5.5 N	95.3 E	157	4.6	NORTHERN SUMATRA.
4	08 40 29.8	56.5 N	152.6 W	15	5.3	KODIAK ISLAND REGION. MAG. 6 (PAL).
4	09 10 55.1	56.9 N	152.7 W	15	5.9	KODIAK ISLAND REGION. MAG. 5 3/4-6 (PAL).
4	09 49 28*	56.9 N	151.7 W	33	4.2	KODIAK ISLAND REGION.
4	10 37 36.2	59.8 N	150.0 W	10	4.3	KENAI PENINSULA, ALASKA.
4	11 10 07*	59.9 N	149.3 W	33	4.8	KENAI PENINSULA, ALASKA.
4	12 04 49.3	58.0 N	148.9 W	33	4.4	GULF OF ALASKA.
4	13 49 45.4	56.6 N	153.9 W	25	4.2	KODIAK ISLAND REGION.
4	15 08 12.3	59.6 N	146.9 W	15	4.7	GULF OF ALASKA.
4	15 55 10.3	19.1 S	169.4 E	153	4.2	NEW HEBRIDES ISLANDS.
4	17 33 07.9	14.1 N	92.2 W	33	3.6	NEAR COAST OF CHIAPAS, MEXICO.
4	17 46 08.6	56.3 N	154.4 W	25	5.7	KODIAK ISLAND REGION. MAG. 6 1/2 (PAS), 5 3/4-6 (BRK), 6 1/2-6 3/4 (PAL)
4	17 59 43.3	56.4 N	154.5 W	25	5.5	KODIAK ISLAND REGION. MAG. 5 1/4 (BRK), 6 1/2-6 3/4 (PAL).
4	18 15 52.4	56.2 N	154.5 W	25	5.0	KODIAK ISLAND REGION.
4	18 18 02*	19.7 S	175.3 W	57	4.8	TONGA ISLANDS.
4	18 41 27.8	56.4 N	153.0 W	33	4.4	KODIAK ISLAND REGION.
4	20 01 44.8	59.5 N	147.6 W	33	4.8	GULF OF ALASKA.
4	21 38 14.0	10.5 N	122.1 E	33	5.3	PANAY, PHILIPPINE ISLANDS.
4	22 16 54.5	59.4 N	145.2 W	10	5.1	GULF OF ALASKA. MAG. 5 1/2-5 3/4 (PAL).
5	00 16 41.6	58.4 N	152.2 W	33	4.1	KODIAK ISLAND REGION.
5	01 22 13.3	56.2 N	153.5 W	25	5.4	KODIAK ISLAND REGION. MAG. 6 (PAS), 6-6 1/4 (PAL).
5	01 36 53.7	58.4 N	151.2 W	33	4.2	KODIAK ISLAND REGION.
5	01 41 45.0	56.2 N	153.3 W	35	5.2	KODIAK ISLAND REGION. MAG. 5 3/4-6 (PAL).
5	01 44 50.3	36.4 N	139.9 E	67	4.7	HONSHU, JAPAN.
5	02 36 10.8	60.1 N	145.8 W	15	4.9	SOUTHERN ALASKA.
5	03 47 57.2	56.7 N	151.3 W	25	4.6	KODIAK ISLAND REGION.
5	03 55 34*	59.7 N	146.6 W	33	4.0	GULF OF ALASKA.
5	04 11 48.2	59.9 N	148.0 W	15	4.4	KENAI PENINSULA, ALASKA.
5	04 57 15.4	60.1 N	147.7 W	10	4.1	SOUTHERN ALASKA.
5	05 30 13*	14.2 N	91.6 W	111	4.0	GUATEMALA.

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APR	H M S	DEG	DEG	KM		
5	07 13 24.4	56.5 N	154.7 W	25	4.2	KODIAK ISLAND REGION.
5	07 29 03.5	60.4 N	146.7 W	15	4.4	SOUTHERN ALASKA.
5	07 44 51*	60.0 N	144.8 W	15	4.2	SOUTHERN ALASKA.
5	08 13 12.4	56.9 N	152.0 W	15	4.5	KODIAK ISLAND REGION.
5	08 59 02.0	56.2 N	154.5 W	15	4.7	KODIAK ISLAND REGION.
5	10 22 12*	60.0 N	149.7 W	33	3.8	KENAI PENINSULA, ALASKA.
5	10 41 01*	25.0 S	68.4 W	92	4.2	CHILE-ARGENTINA BORDER REGION.
5	11 18 38.9	41.9 S	83.7 W	33	5.3	WEST CHILE RISE.
5	12 30 04*	58.9 N	154.3 W	10	4.1	ALASKA PENINSULA.
5	12 59 15*	61.4 N	147.2 W	33	3.6	SOUTHERN ALASKA.
5	13 30 55*	56.3 N	150.5 W	33	4.0	GULF OF ALASKA.
5	13 44 17*	56.3 N	153.1 W	33	4.0	KODIAK ISLAND REGION.
5	13 48 47.3	60.2 N	145.6 W	15	4.1	SOUTHERN ALASKA.
5	14 05 40*	57.6 N	150.1 W	33	3.6	GULF OF ALASKA.
5	15 21 47.0	60.7 N	149.1 W	33	3.8	KENAI PENINSULA, ALASKA.
5	15 49 30*	56.0 N	154.3 W	25	4.1	KODIAK ISLAND REGION.
5	16 49 04.0	58.7 N	151.7 W	20	4.4	KODIAK ISLAND REGION.
5	17 16 10.2	55.9 N	149.9 W	33	4.1	GULF OF ALASKA.
5	17 40 43.1	56.3 N	152.9 W	10	4.9	KODIAK ISLAND REGION.
5	17 42 07.4	59.6 N	144.9 W	15	5.1	GULF OF ALASKA.
5	19 28 18.1	60.2 N	146.7 W	15	5.8	SOUTHERN ALASKA. MAG. 5-5 1/4 (BRK), 5 1/2(PAL).
5	19 50 41.3	57.0 N	152.3 W	20	4.4	KODIAK ISLAND REGION.
5	21 26 32.1	60.6 N	145.6 W	20	4.0	SOUTHERN ALASKA.
5	22 22 45.0	28.1 S	178.2 W	31	4.5	KERMADEC ISLANDS.
6	01 22 44.2	23.4 S	180.0 E	568	4.5	SOUTH OF FIJI ISLANDS.
6	01 51 48.6	59.4 N	146.8 W	15	4.3	GULF OF ALASKA.
6	02 34 36.7	19.0 S	175.5 W	177	4.2	TONGA ISLANDS.
6	02 37 57*	46.5 N	10.1 E	33		NORTHERN ITALY.
6	04 57 32.4	56.8 N	151.5 W	33	4.2	KODIAK ISLAND REGION.
6	08 21 24.8	57.4 N	152.3 W	5	4.8	KODIAK ISLAND REGION.
6	09 03 12.9	59.5 N	145.3 W	15	4.4	GULF OF ALASKA.
6	09 16 34.4	46.8 N	152.6 E	30	4.3	KURILE ISLANDS.
6	09 29 32*	59.7 N	146.6 W	33	3.8	GULF OF ALASKA.
6	10 42 36.3	59.9 N	145.6 W	15	4.8	GULF OF ALASKA.
6	10 56 29.2	59.8 N	147.9 W	33	4.0	GULF OF ALASKA.
6	10 59 05.9	56.3 N	154.4 W	33	4.2	KODIAK ISLAND REGION.
6	12 07 54.0	58.2 N	150.6 W	20	4.1	GULF OF ALASKA.
6	13 45 10.5	52.5 N	173.9 W	115	4.7	ANDREANOF ISLANDS, ALEUTIAN IS.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
6	14 50 57.3	56.7 N	152.1 W	33	4.0	KODIAK ISLAND REGION.
6	15 01 32*	58.1 N	154.4 W	33	3.8	ALASKA PENINSULA.
6	15 12 28.7	21.8 S	68.8 W	114	4.2	CHILE-BOLIVIA BORDER REGION.
6	15 29 05*	60.4 N	146.5 W	33	4.0	SOUTHERN ALASKA.
6	16 00 29*	56.4 N	152.4 W	33	3.9	KODIAK ISLAND REGION.
6	16 07 48.3	5.4 N	75.8 W	54	4.1	COLOMBIA.
6	16 10 52.2	45.2 N	150.9 E	33	4.5	KURILE ISLANDS.
6	16 50 42*	57.5 N	154.8 W	33	4.1	KODIAK ISLAND REGION.
6	17 35 50.6	59.9 N	147.8 W	15	4.9	GULF OF ALASKA.
6	18 03 56.4	56.4 N	151.8 W	20	4.7	KODIAK ISLAND REGION.
6	18 59 11.9	60.0 N	147.1 W	33	4.1	SOUTHERN ALASKA.
6	19 40 44.5	56.0 N	153.9 W	25	4.2	KODIAK ISLAND REGION.
6	22 57 53.3	57.1 N	153.3 W	15	4.2	KODIAK ISLAND REGION.
6	23 43 01.7	5.1 S	154.0 E	116	4.8	SOLOMON ISLANDS. FELT AT RABAUL.
7	01 43 28.7	58.5 N	154.5 W	30	5.1	ALASKA PENINSULA.
7	03 17 43.4	59.6 N	145.5 W	15	4.0	GULF OF ALASKA.
7	03 53 57.2	61.1 N	148.7 W	33	4.2	SOUTHERN ALASKA.
7	04 35 18.6	58.3 N	149.7 W	15	4.7	GULF OF ALASKA.
7	04 54 42.0	58.1 N	157.4 W	33	4.5	ALASKA PENINSULA.
7	05 34 55.7	60.0 N	146.7 W	20	4.1	SOUTHERN ALASKA.
7	06 01 59.7	60.0 N	145.7 W	33	4.0	SOUTHERN ALASKA.
7	08 03 13.7	58.2 N	152.2 W	30	4.4	KODIAK ISLAND REGION.
7	08 10 48.1	60.0 N	146.9 W	33	4.1	SOUTHERN ALASKA.
7	08 57 08.2	12.2 S	167.1 E	260	4.7	SANTA CRUZ ISLANDS.
7	10 41 29.3	17.9 N	68.0 W	98	4.1	MONA PASSAGE.
7	13 18 18.9	0.1 N	123.2 E	150	6.3	NORTHERN CELEBES.
7	14 22 30.1	6.8 S	155.1 E	35	4.6	SOLOMON ISLANDS.
7	15 31 33*	45.0 N	111.6 W	33	3.2	MONTANA.
7	16 19 58.8	60.7 N	148.0 W	33	3.8	KENAI PENINSULA, ALASKA.
7	16 28 38*	59.6 N	145.0 W	33	4.2	GULF OF ALASKA.
7	17 50 09.4	2.2 N	83.2 W	33	4.5	OFF COAST OF CENTRAL AMERICA.
7	18 02 24.7	57.3 N	151.1 W	20	4.8	KODIAK ISLAND REGION.
7	18 10 30*	60.1 N	147.2 W	33		SOUTHERN ALASKA.
7	18 17 09*	57.0 N	153.4 W	33	4.1	KODIAK ISLAND REGION.
7	19 09 04.7	38.6 N	118.7 W	15		CALIFORNIA-NEVADA BORDER REGION.
7	19 28 24.7	55.7 N	151.9 W	20	5.6	SOUTH OF ALASKA.
7	23 25 40.7	51.4 N	168.5 W	50	4.7	FOX ISLANDS, ALEUTIAN ISLANDS.
8	00 13 18.7	56.2 N	149.4 W	33	4.3	GULF OF ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
8	00 36 21.2	57.2 N	152.6 W	20	4.8	KODIAK ISLAND REGION.
8	02 04 06.5	46.1 N	152.8 E	40	4.9	KURILE ISLANDS.
8	02 10 36.1	46.1 N	152.8 E	40	4.3	KURILE ISLANDS.
8	03 38 56.1	16.0 N	94.9 W	33	4.3	OAXACA, MEXICO.
8	04 00 01.1	60.0 N	149.5 W	33	4.1	KENAI PENINSULA, ALASKA.
8	04 35 18.0	59.4 N	147.6 W	33	4.0	GULF OF ALASKA.
8	04 56 53.2	9.7 N	125.6 E	126	5.0	MINDANAO, PHILIPPINE ISLANDS.
8	06 45 38*	38.4 N	141.2 E	33	4.0	NEAR EAST COAST OF HONSHU, JAPAN.
8	08 08 11.8	6.8 S	68.9 E	33	6.0	CHAGOS ARCHIPELAGO REGION.
8	09 43 51*	60.3 N	146.8 W	5	4.2	SOUTHERN ALASKA.
8	09 54 16.6	60.5 N	141.0 W	20	4.3	SOUTHEASTERN ALASKA.
8	10 58 09.1	45.8 N	150.8 E	40	5.5	KURILE ISLANDS. MAG. 6 1/4 (PAS), 5 1/2-5 3/4 (BRK), 6 1/4-6 1/2 (PAL).
8	14 12 29.5	35.1 N	24.3 E	71	5.0	CRETE.
8	16 01 11.1	15.6 S	72.7 W	103	4.0	SOUTHERN PERU. FELT AT AREQUIPA.
8	16 46 38.1	60.3 N	147.8 W	33	3.9	SOUTHERN ALASKA.
8	17 32 26.7	59.7 N	146.2 W	33	3.8	GULF OF ALASKA.
8	18 58 50.5	56.9 N	149.9 W	35	4.8	GULF OF ALASKA.
8	19 33 19.0	59.6 N	147.0 W	15	5.1	GULF OF ALASKA. MAG. 4-4 1/4 (BRK).
8	19 50 16.8	60.4 N	145.9 W	10	5.3	SOUTHERN ALASKA. MAG. 4 3/4-5 (BRK), 5 1/4-5 1/2 (PAL).
8	20 49 53.1	59.3 N	148.6 W	33	4.2	KENAI PENINSULA, ALASKA.
8	22 54 28*	60.4 N	146.5 W	33	3.7	SOUTHERN ALASKA.
8	23 27 12.7	37.8 S	73.6 W	33	4.5	NEAR COAST OF CENTRAL CHILE.
8	23 50 37*	21.9 S	178.2 W	323	4.2	FIJI ISLANDS REGION.
9	00 46 53*	49.1 N	127.5 W	33	4.1	VANCOUVER ISLAND REGION.
9	00 55 56*	6.3 N	125.1 E	33	5.3	MINDANAO, PHILIPPINE ISLANDS.
9	03 45 06.7	60.1 N	145.9 W	33	3.8	SOUTHERN ALASKA.
9	04 07 59*	13.6 N	90.2 W	53	3.7	NEAR COAST OF GUATEMALA.
9	04 15 23.0	13.5 N	89.9 W	89	5.0	EL SALVADOR. MAG. 5-5 1/4 (BRK). FELT AT SAN SALVADOR.
9	05 43 24.0	60.0 N	148.2 W	33	4.1	KENAI PENINSULA, ALASKA.
9	06 53 15.6	60.0 N	148.9 W	25	4.2	KENAI PENINSULA, ALASKA.
9	08 19 55.1	58.0 N	149.1 W	33	3.7	GULF OF ALASKA.
9	10 37 15*	59.1 N	148.4 W	20	4.1	KENAI PENINSULA, ALASKA.
9	12 33 23.9	59.5 N	148.9 W	20	4.7	KENAI PENINSULA, ALASKA.
9	13 06 15.2	59.6 N	146.1 W	15	5.1	GULF OF ALASKA. MAG. 4 1/2-4 3/4 (BRK), MAG. 5 1/2-5 3/4 (PAL).
9	13 22 29.6	56.8 N	152.0 W	33	4.7	KODIAK ISLAND REGION.
9	14 14 36.5	59.8 N	146.0 W	10	4.3	GULF OF ALASKA

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
9	16 11 31.5	58.1 N	152.5 W	30	4.4	KODIAK ISLAND REGION.
9	17 14 45*	60.1 N	146.1 W	33	3.9	SOUTHERN ALASKA.
9	18 25 00.9	59.8 N	147.1 W	33	4.2	GULF OF ALASKA.
9	18 43 16.2	39.4 N	119.1 W	15		NEVADA. MAG. 3 1/2-3 3/4 (BRK).
9	19 43 16*	22.1 S	69.8 W	54	4.5	NORTHERN CHILE.
9	21 20 03.1	60.8 N	146.8 W	33	4.1	SOUTHERN ALASKA.
9	21 54 42.1	18.5 S	71.5 W	39	5.2	OFF COAST OF NORTHERN CHILE. FELT AT AREQUIPA, PERU.
9	22 12 31*	59.8 N	155.7 W	33	4.4	SOUTHERN ALASKA.
9	23 16 04*	46.3 N	149.6 E	45	4.5	KURILE ISLANDS.
10	00 29 46.2	60.3 N	147.1 W	33	4.0	SOUTHERN ALASKA.
10	01 08 00.2	58.4 N	150.6 W	15	5.5	GULF OF ALASKA. MAG. 5-5 1/4 (PAL).
10	02 07 57.1	13.8 N	91.2 W	26	3.6	NEAR COAST OF GUATEMALA.
10	02 46 36*	58.5 N	148.8 W	33	3.7	GULF OF ALASKA.
10	04 44 08.0	15.7 S	172.8 W	32	4.2	SAMOA ISLANDS REGION.
10	06 46 16*	60.1 N	146.9 W	33	4.0	SOUTHERN ALASKA.
10	07 04 11*	60.2 N	147.0 W	33	4.0	SOUTHERN ALASKA.
10	10 00 52.7	17.6 N	104.6 W	33	3.8	OFF COAST OF MICHOACAN, MEXICO.
10	12 06 25*	59.6 N	152.2 W	25	4.3	SOUTHERN ALASKA.
10	13 10 05.4	13.5 N	144.9 E	101	5.4	MARIANA ISLANDS.
10	17 54 57.5	56.7 N	152.0 W	33	4.7	KODIAK ISLAND REGION.
10	19 05 52.6	59.7 N	148.2 W	15	5.2	KENAI PENINSULA, ALASKA. MAG. 5-5 1/4 (PAL).
10	21 29 57*	39.2 N	114.2 W	15		NEVADA.
10	21 44 06.7	60.1 N	153.7 W	10	5.6	SOUTHERN ALASKA. MAG. 4 1/2-4 3/4 (BRK), 5 1/2-5 3/4 (PAL).
11	00 39 10.6	57.4 N	150.0 W	15	4.6	GULF OF ALASKA.
11	01 04 30.2	29.0 S	178.9 W	302	5.3	KERMADEC ISLANDS REGION. MAG. 4 3/4-5 (BRK).
11	02 05 16*	52.3 N	166.3 W	33	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
11	03 25 05*	38.5 N	118.7 W	15		CALIFORNIA-NEVADA BORDER REGION.
11	04 40 00*	56.8 N	152.6 W	33	4.2	KODIAK ISLAND REGION.
11	06 11 02.1	25.2 N	124.4 E	74	5.0	NORTHEAST OF TAIWAN.
11	07 33 52*	59.6 N	144.8 W	33	4.4	GULF OF ALASKA.
11	08 23 29*	59.8 N	147.6 W	33	3.9	GULF OF ALASKA.
11	09 23 51.5	56.4 N	152.2 W	33	4.6	KODIAK ISLAND REGION.
11	10 20 40*	60.8 N	143.5 W	20	4.2	SOUTHERN ALASKA.
11	11 36 00.5	60.4 N	146.4 W	15	4.8	SOUTHERN ALASKA.
11	12 16 41.1	56.6 N	151.0 W	20	4.8	KODIAK ISLAND REGION.
11	16 00 42.8	40.5 N	25.0 E	33	5.1	AEGEAN SEA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
11	16 10 25*	58.1 N	149.8 W	20	4.3	GULF OF ALASKA.
11	17 51 16*	56.0 N	152.7 W	33	4.2	KODIAK ISLAND REGION.
11	22 02 38.2	60.2 N	146.9 W	20	4.5	SOUTHERN ALASKA.
11	23 11 22.8	60.1 N	146.5 W	20	4.6	SOUTHERN ALASKA.
11	23 34 35*	59.5 N	147.0 W	33	4.5	GULF OF ALASKA.
12	01 11 58*	53.0 N	160.4 E	33		NEAR EAST COAST OF KAMCHATKA.
12	01 15 38*	60.0 N	144.9 W	30	4.4	SOUTHERN ALASKA.
12	01 24 31.2	56.6 N	152.2 W	22	5.6	KODIAK ISLAND REGION. MAG. 6 1/4 (PAS), 5-5 1/4 (BRK).
12	02 06 20*	60.9 N	149.5 W	20	4.2	KENAI PENINSULA, ALASKA.
12	02 33 39*	26.5 S	113.7 W	33	4.6	EASTER ISLAND REGION.
12	03 38 53*	56.4 N	152.3 W	33	4.0	KODIAK ISLAND REGION.
12	05 44 23*	58.8 N	148.9 W	33	4.0	GULF OF ALASKA.
12	06 00 46.4	13.6 S	166.0 E	33	5.0	NEW HEBRIDES ISLANDS.
12	07 33 43.6	59.3 N	147.5 W	25	3.6	GULF OF ALASKA.
12	09 34 44*	56.6 N	152.1 W	20	5.1	KODIAK ISLAND REGION.
12	11 10 54.8	33.9 S	179.8 W	89	5.4	SOUTH OF KERMADEC ISLANDS.
12	12 06 01.3	42.6 N	45.2 E	33	4.8	EASTERN CAUCASUS.
12	12 14 55.0	34.0 N	131.9 E	70	4.4	SOUTHERN HONSHU, JAPAN.
12	12 36 23*	56.4 N	151.4 W	30	5.0	KODIAK ISLAND REGION.
12	12 48 02.2	56.6 N	151.3 W	33	5.1	KODIAK ISLAND REGION.
12	13 11 02*	39.0 N	118.8 W	15	3.9	NEVADA.
12	14 35 39.2	61.2 N	151.1 W	28	5.0	SOUTHERN ALASKA.
12	15 08 09.5	61.2 N	147.4 W	20	3.6	SOUTHERN ALASKA.
12	15 37 50*	43.2 N	111.4 W	15		EASTERN IDAHO.
12	17 22 02.2	60.2 N	145.6 W	20	5.0	SOUTHERN ALASKA.
12	18 50 41*	56.5 N	152.7 W	33	4.2	KODIAK ISLAND REGION.
12	20 28 50*	57.5 N	152.1 W	33	4.6	KODIAK ISLAND REGION.
12	20 39 06*	16.4 S	179.8 W	509	3.6	FIJI ISLANDS REGION.
12	21 02 16*	58.6 N	154.3 W	33	4.0	ALASKA PENINSULA.
13	00 55 01*	59.5 N	144.7 W	33	3.9	GULF OF ALASKA.
13	00 57 43.5	0.1 N	123.0 E	97	5.4	NORTHERN CELEBES.
13	01 14 21.1	40.0 N	51.9 E	33	4.8	CASPIAN SEA.
13	01 17 36*	56.6 N	157.0 W	33	4.0	ALASKA PENINSULA.
13	03 02 46.3	23.7 S	179.0 W	360	4.5	SOUTH OF FIJI ISLANDS.
13	03 20 04.5	27.6 N	90.2 E	52	5.4	BHUTAN.
13	05 23 58*	6.2 N	72.5 W	228	3.4	NORTHERN COLOMBIA.
13	06 23 34.1	19.5 S	177.7 W	574	4.4	FIJI ISLANDS REGION.
13	07 06 40*	59.7 N	147.4 W	33	3.9	GULF OF ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
13	07 28 36*	58.9 N	149.8 W	25	4.0	GULF OF ALASKA.
13	08 30 03.6	45.3 N	18.1 E	33	5.4	YUGOSLAVIA. TWO KILLED AND ABOUT 100 INJURED IN NORTHERN YUGOSLAVIA. EXTENSIVE PROPERTY DAMAGE IN NORTHERN YUGOSLAVIA AND SOUTHERN HUNGARY.
13	08 41 53.9	58.4 N	151.2 W	33	4.8	KODIAK ISLAND REGION. FELT AT KODIAK.
13	08 45 24.6	22.3 N	142.1 E	309	5.1	VOLCANO ISLANDS REGION.
13	11 24 04*	7.1 S	129.2 E	126		BANDA SEA.
13	11 26 52.1	6.9 N	126.6 E	110		MINDANAO, PHILIPPINE ISLANDS.
13	11 36 30*	43.3 N	110.8 W	15	3.7	WYOMING.
13	12 25 36.0	59.4 N	143.9 W	40	4.9	GULF OF ALASKA.
13	14 05 00.0	57.6 N	151.2 W	25	5.5	KODIAK ISLAND REGION. MAG. 4 3/4 (BRK).
13	16 14 06.3	56.6 N	152.1 W	33	5.1	KODIAK ISLAND REGION.
13	17 43 26.3	61.1 N	147.4 W	35	4.4	SOUTHERN ALASKA.
13	18 14 21.4	59.2 N	147.1 W	20	4.3	GULF OF ALASKA.
13	19 16 48.6	57.3 N	153.2 W	23	4.8	KODIAK ISLAND REGION.
13	21 25 33.0	57.5 N	153.9 W	30	5.5	KODIAK ISLAND REGION. MAG. 4 1/2 (BRK). FELT AT KODIAK.
13	21 43 16.5	59.4 N	143.1 W	33	5.1	GULF OF ALASKA.
13	22 49 56*	51.0 N	178.8 E	33	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
13	23 48 53*	61.0 N	149.3 W	33	4.1	SOUTHERN ALASKA.
14	01 04 28.8	49.4 N	155.5 E	60	5.2	KURILE ISLANDS.
14	02 28 25*	15.8 S	177.0 W	362	4.1	FIJI ISLANDS REGION.
14	02 42 05*	14.1 N	91.3 W	126	3.9	GUATEMALA.
14	05 01 59.1	41.0 S	80.8 E	33		MID-INDIAN RISE.
14	05 43 30*	6.8 N	72.9 W	168	3.8	NORTHERN COLOMBIA.
14	06 07 20.3	20.8 S	69.1 W	116	4.0	NORTHERN CHILE.
14	06 19 38*	60.2 N	146.8 W	33	4.1	SOUTHERN ALASKA.
14	06 35 30.1	39.0 N	14.5 E	306	4.3	TYRRHENIAN SEA.
14	06 53 36*	56.2 N	154.6 W	33	4.1	KODIAK ISLAND REGION.
14	07 59 25.4	61.4 N	147.0 W	33	4.4	SOUTHERN ALASKA.
14	08 08 25*	61.0 N	145.3 W	33	3.9	SOUTHERN ALASKA.
14	08 58 41.9	17.5 S	167.9 E	33	4.6	NEW HEBRIDES ISLANDS.
14	09 48 11*	56.0 N	150.0 W	25	4.3	GULF OF ALASKA.
14	10 09 01.9	60.5 N	146.1 W	33	3.8	SOUTHERN ALASKA.
14	10 58 11*	59.9 N	146.8 W	20	4.1	GULF OF ALASKA.
14	14 40 00.1					37°07'44.1"N 116°01'47.4"W. NEVADA TEST SITE. "HOOK." SHOT ELEVATION 1281.10 METERS (AEC).
14	15 55 10.9	61.3 N	147.3 W	30	5.4	SOUTHERN ALASKA. MAG. 4 3/4-5 (BRK). FELT AT ANCHORAGE.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
14	16 05 46*	59.9 N	146.0 W	33	4.4	GULF OF ALASKA.
14	16 18 54*	8.6 S	117.3 E	58	5.3	SUMBAWA ISLAND REGION.
14	16 59 30.1	61.4 N	150.8 W	35	5.1	SOUTHERN ALASKA. MAG. 4 1/2-4 3/4 (BRK). FELT AT ANCHORAGE.
14	21 33 37.3	61.0 N	147.3 W	40	4.2	SOUTHERN ALASKA.
14	22 29 31.1	59.9 N	145.6 W	23	4.5	GULF OF ALASKA.
14	22 46 25*	19.8 S	176.7 W	235	4.3	FIJI ISLANDS REGION.
14	22 55 31.3	58.0 N	152.6 W	30	5.4	KODIAK ISLAND REGION. MAG. 4 1/2-4 3/4 (BRK). SLIGHT DAMAGE AT KODIAK.
15	00 58 15*	17.8 S	178.3 W	450	4.0	FIJI ISLANDS REGION.
15	03 53 08*	59.7 N	145.2 W	33	3.7	GULF OF ALASKA.
15	08 23 27.4	57.4 N	149.5 W	15	4.9	GULF OF ALASKA.
15	09 24 11*	60.0 N	148.6 W	33	3.7	KENAI PENINSULA, ALASKA.
15	11 20 31*	57.8 N	150.4 W	33	3.9	GULF OF ALASKA.
15	13 37 02.7	43.1 N	111.5 W	33		EASTERN IDAHO.
15	14 19 25*	58.6 N	149.9 W	33	4.1	GULF OF ALASKA.
15	14 30 00.1					37°02'38.1"N 116°01'06.1"W. NEVADA TEST SITE. "STURGEON." SHOT ELEVATION 1075.3 METERS (AEC).
15	15 02 28*	45.2 S	167.0 E	33	4.9	SOUTH ISLAND, NEW ZEALAND.
15	15 30 47.1	56.5 N	154.4 W	35	5.5	KODIAK ISLAND REGION. MAG. 5 1/4-5 1/2 (BRK).
15	16 35 57.5	21.7 N	88.0 E	36	5.5	INDIA. FELT IN EASTERN INDIA.
15	16 52 26.0	37.7 S	177.5 E	41	5.5	OFF E. COAST OF N. ISLAND, N.Z.
15	20 30 35.9	56.8 N	154.2 W	20	4.7	KODIAK ISLAND REGION.
15	20 54 40*	40.0 N	24.7 E	121	4.4	AEGEAN SEA.
15	21 35 18.2	19.7 S	175.6 W	172	4.2	TONGA ISLANDS.
15	22 40 45.5	45.3 N	18.1 E	33	4.6	YUGOSLAVIA. SLIGHT DAMAGE IN THE SLAVONSKI BROD AREA.
16	00 05 13*	56.4 N	149.2 W	20	3.9	GULF OF ALASKA.
16	01 04 34.5	37.0 N	142.7 E	38	5.1	OFF EAST COAST OF HONSHU, JAPAN.
16	02 35 48.9	21.5 S	170.5 E	110	4.6	LOYALTY ISLANDS REGION.
16	03 19 34.8	57.2 N	151.4 W	10	5.0	KODIAK ISLAND REGION.
16	04 16 26.7	30.5 N	114.4 W	33	4.2	GULF OF CALIFORNIA. MAG. 4.5 (PAS).
16	04 56 47.2	31.8 N	113.7 W	19	4.7	GULF OF CALIFORNIA. MAG. 4.7 (PAS).
16	06 20 08.2	30.8 N	113.9 W	33	4.8	GULF OF CALIFORNIA. MAG. 4 3/4-5 (PAS).
16	06 21 32.3	45.1 N	151.3 E	33	4.8	KURILE ISLANDS.
16	06 45 44*	32.5 N	113.2 W	33	4.1	W. ARIZ. - MEXICO BORDER REGION.
16	07 03 34.2	31.3 N	113.7 W	33	4.6	GULF OF CALIFORNIA. MAG. 4.8 (PAS).
16	07 37 35.8	59.6 N	146.9 W	33	4.3	GULF OF ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
16	09 18 12.8	31.1 N	113.8 W	29	4.3	GULF OF CALIFORNIA. MAG. 4.8 (PAS).
16	11 20 25*	14.0 N	90.0 W	209	3.7	GUATEMALA.
16	11 45 36.9	23.8 S	180.0 W	530	4.5	SOUTH OF FIJI ISLANDS.
16	11 56 04.5	58.3 N	150.7 W	33	4.4	GULF OF ALASKA.
16	12 11 15.7	58.2 N	152.5 W	33	4.5	KODIAK ISLAND REGION.
16	12 46 09.9	45.3 N	150.4 E	33	4.6	KURILE ISLANDS.
16	13 43 08.9	52.1 N	169.4 W	33	4.9	FOX ISLANDS, ALEUTIAN ISLANDS.
16	14 05 14.9	7.0 S	155.7 E	78	5.4	SOLOMON ISLANDS. FELT AT KIETA.
16	14 12 37.6	52.3 N	169.9 W	40	3.9	FOX ISLANDS, ALEUTIAN ISLANDS.
16	14 21 36.2	57.6 N	150.9 W	33	4.6	GULF OF ALASKA.
16	14 31 16.3	61.4 N	149.2 W	33	4.6	SOUTHERN ALASKA. FELT AT ANCHORAGE.
16	17 08 27*	59.5 N	147.8 W	33	4.5	GULF OF ALASKA.
16	19 26 57.4	56.4 N	152.9 W	30	5.5	KODIAK ISLAND REGION. MAG. 6 1/2-6 3/4 (PAS).
16	20 12 36.8	56.6 N	152.8 W	33	5.0	KODIAK ISLAND REGION.
16	21 25 46*	58.9 N	148.8 W	33	5.2	GULF OF ALASKA.
17	01 15 01*	3.7 N	127.7 E	34		TALAUD ISLANDS.
17	02 22 17.7	60.3 N	146.9 W	33	3.6	SOUTHERN ALASKA.
17	02 58 27.0	36.7 N	140.5 E	68	4.9	NEAR EAST COAST OF HONSHU, JAPAN. FELT AT MITO.
17	04 03 55.9	59.6 N	144.7 W	20	4.9	GULF OF ALASKA.
17	04 16 59.4	59.6 N	144.7 W	33	4.9	GULF OF ALASKA.
17	04 44 37*	22.5 S	10.8 W	33	5.3	SOUTH ATLANTIC RIDGE.
17	04 49 30.5	56.4 N	152.9 W	25	5.3	KODIAK ISLAND REGION. MAG. 5 1/2-5 3/4 (BRK).
17	06 00 00.2	6.6 S	154.9 E	85	5.4	SOLOMON ISLANDS. FELT AT BUIN.
17	06 53 43.6	44.1 N	114.3 W	33	3.6	WESTERN IDAHO.
17	07 26 39.0	61.1 N	149.4 W	33	4.4	SOUTHERN ALASKA.
17	09 09 07.8	57.7 N	151.4 W	20	5.4	KODIAK ISLAND REGION. MAG. 4 1/4-4 1/2 (BRK).
17	09 28 46.6	20.7 S	69.6 W	33	4.2	NORTHERN CHILE.
17	09 59 52.4	60.4 N	145.9 W	20	4.9	SOUTHERN ALASKA.
17	11 48 44.7	60.0 N	145.5 W	33	4.4	SOUTHERN ALASKA.
17	12 06 00*	60.4 N	145.0 W	33	3.8	SOUTHERN ALASKA.
17	14 23 30*	1.6 S	133.4 E	33	4.5	WEST NEW GUINEA REGION.
17	14 44 20.8	16.2 S	167.7 E	65	4.2	NEW HEBRIDES ISLANDS. FELT.
17	18 11 45.6	38.9 N	20.9 E	45	4.1	GREECE.
17	20 52 16.1	24.8 S	70.3 W	65	4.2	NEAR COAST OF NORTHERN CHILE.
18	00 13 24.4	59.6 N	144.8 W	33	4.5	GULF OF ALASKA.
18	01 32 18.4	56.4 N	152.8 W	33	5.0	KODIAK ISLAND REGION.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
18	02 57 28*	44.7 N	130.2 W	33	3.7	OFF COAST OF OREGON.
18	03 06 43.5	56.7 N	148.9 W	33	4.5	GULF OF ALASKA.
18	05 27 44.6	45.5 N	151.1 E	33	5.3	KURILE ISLANDS.
18	05 55 40.5	45.4 N	151.5 E	33	4.9	KURILE ISLANDS.
18	06 27 02.2	45.6 N	151.3 E	50	4.1	KURILE ISLANDS.
18	07 10 58.5	60.8 N	145.2 W	33	4.2	SOUTHERN ALASKA.
18	07 16 36.4	59.1 N	147.7 W	33	4.3	GULF OF ALASKA.
18	07 44 03*	60.2 N	147.6 W	33	3.9	SOUTHERN ALASKA.
18	07 45 47.6	56.5 N	153.0 W	33	4.3	KODIAK ISLAND REGION.
18	07 47 03.3	57.4 N	149.8 W	30	5.1	GULF OF ALASKA.
18	07 58 26.9	29.9 N	129.8 E	33	4.9	RYUKYU ISLANDS.
18	10 54 27*	54.3 N	179.7 W	33	4.2	BERING SEA.
18	11 57 47*	45.4 N	151.5 E	33	4.2	KURILE ISLANDS.
18	12 41 39*	57.4 N	154.1 W	33	3.8	KODIAK ISLAND REGION.
18	15 14 42.9	57.4 N	152.3 W	33	4.5	KODIAK ISLAND REGION.
18	16 19 06*	20.7 N	141.8 E	300	4.3	MARIANA ISLANDS REGION.
18	17 16 44*	57.1 N	150.6 W	33	4.0	GULF OF ALASKA.
18	17 32 19*	56.9 N	151.2 W	33	4.2	KODIAK ISLAND REGION.
18	17 56 16.2	15.0 S	174.3 W	90	4.2	TONGA ISLANDS.
18	19 25 24*	58.9 N	148.7 W	33	3.9	GULF OF ALASKA.
18	20 08 19.7	56.1 N	153.7 W	15	4.9	KODIAK ISLAND REGION.
18	20 16 16.3	56.1 N	153.7 W	30	4.9	KODIAK ISLAND REGION.
18	23 38 03.4	59.3 N	147.5 W	20	5.1	GULF OF ALASKA.
19	00 09 49*	55.9 N	155.8 W	33	3.8	SOUTH OF ALASKA.
19	03 44 55*	55.1 S	128.5 W	33	4.5	SOUTH PACIFIC CORDILLERA.
19	03 56 13.7	15.4 S	173.7 W	51	4.2	TONGA ISLANDS.
19	05 13 01.6	41.7 S	83.9 W	33	5.5	WEST CHILE RISE.
19	06 34 14*	60.6 N	147.4 W	15	4.1	SOUTHERN ALASKA.
19	08 35 31.6	17.7 S	167.8 E	15	4.6	NEW HEBRIDES ISLANDS.
19	11 03 39.2	5.7 N	76.5 W	113	4.0	COLOMBIA.
19	13 17 11.4	3.7 S	79.4 W	134	4.3	NEAR COAST OF ECUADOR.
19	14 12 21.9	60.5 S	58.3 W	33	5.4	SOUTH SHETLAND ISLANDS.
19	18 51 10.9	60.2 N	148.6 W	33	4.7	KENAI PENINSULA, ALASKA. FELT AT ANCHORAGE.
19	19 41 31.3	13.8 S	75.3 W	96	4.4	PERU.
19	21 34 16.5	7.3 S	128.3 E	130	5.1	BANDA SEA.
20	01 18 58.8	8.0 N	82.7 W	16	4.1	PANAMA-COSTA RICA BORDER REGION.
20	03 34 45.1	59.7 N	144.6 W	30	4.7	GULF OF ALASKA.
20	08 07 54.8	60.2 N	147.0 W	15	4.3	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
20	10 51 13*	22.9 S	69.2 W	78	4.6	NORTHERN CHILE.
20	10 52 05*	18.6 S	72.0 W	33		OFF COAST OF NORTHERN CHILE.
20	11 14 49*	56.7 N	148.1 W	30	4.3	GULF OF ALASKA.
20	11 56 41.6	61.4 N	147.3 W	30	5.7	SOUTHERN ALASKA. MAG. 6 1/2 (PAS), 6 3/4 (BRK), 6-6 1/4 (PAL). FELT AT ANCHORAGE, AND ON BOARD USC&GSS SURVEYOR ANCHORED AT 61 06.4'N 146° 20.6'W.
20	13 43 40.5	7.3 S	128.1 E	128	5.5	BANDA SEA.
20	15 40 28.0	61.5 N	147.3 W	30	5.0	SOUTHERN ALASKA. MAG. 4 1/4 (BRK). FELT AT ANCHORAGE.
20	16 18 26.4	60.7 N	145.3 W	15	4.9	SOUTHERN ALASKA.
20	16 39 30.0	59.9 N	145.1 W	10	4.1	GULF OF ALASKA.
20	16 49 41.8	61.4 N	147.3 W	33	4.2	SOUTHERN ALASKA.
20	18 37 34.2	35.2 N	24.5 E	78	4.5	CRETE.
20	19 25 48.0	61.4 N	147.4 W	33	3.8	SOUTHERN ALASKA.
20	20 31 23.0	4.7 S	143.1 E	98		NEW GUINEA.
20	21 15 19.4	6.9 S	129.3 E	91	3.4	BANDA SEA.
20	22 30 38.0	4.2 S	102.1 E	33	5.3	SOUTHERN SUMATRA.
21	04 38 44.2	18.4 N	98.1 W	70	4.5	CENTRAL MEXICO.
21	05 01 35.7	61.5 N	147.4 W	40	5.4	SOUTHERN ALASKA. MAG. 6 (PAS), 4 3/4-5 (BRK). FELT AT ANCHORAGE, AND ON BOARD USC&GSS SURVEYOR ANCHORED AT 61 06.4'N 146°20.6'W.
21	06 04 37*	60.4 N	157.2 W	33	3.9	SOUTHERN ALASKA.
21	07 01 53*	4.8 S	142.8 E	62		NEW GUINEA.
21	12 11 32.9	44.2 N	114.3 W	33	3.6	WESTERN IDAHO.
21	15 25 55*	17.5 S	70.6 W	125	3.9	NEAR COAST OF PERU.
21	19 00 53.7	53.0 N	160.5 E	33	4.2	NEAR EAST COAST OF KAMCHATKA.
22	00 22 10.2	40.5 N	125.1 W	33	4.7	OFF COAST OF NORTHERN CALIFORNIA. MAG. 4 (BRK).
22	09 46 54.2	56.1 N	34.9 W	33	4.8	NORTH ATLANTIC OCEAN.
22	11 14 43*	57.8 N	149.5 W	33	4.2	GULF OF ALASKA.
22	14 56 53.1	12.4 N	95.7 E	33	5.0	ANDAMAN ISLANDS REGION.
22	19 37 53.2	16.1 S	173.4 W	33	5.0	TONGA ISLANDS.
22	20 00 22.8	15.5 S	167.5 E	123	5.0	NEW HEBRIDES ISLANDS.
22	20 29 20.3	58.6 N	150.0 W	33	5.1	GULF OF ALASKA.
22	23 04 13.8	13.2 S	167.1 E	218	4.0	NEW HEBRIDES ISLANDS.
23	01 31 40.3	6.7 S	155.0 E	72	5.0	SOLOMON ISLANDS.
23	01 51 10.6	32.1 N	138.7 E	33	4.8	SOUTH OF HONSHU, JAPAN.
23	03 06 42.6	56.8 N	149.6 W	33	3.9	GULF OF ALASKA.
23	03 13 55.7	60.9 N	144.3 W	35	4.2	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
23	03 32 50.3	5.3 S	134.0 E	33	6.4	AROE ISLANDS REGION. MAG. 7 (PAS), 6 1/2-6 3/4 (BRK). FELT AT DARWIN, AUSTRALIA.
23	07 03 21.6	60.8 S	19.8 W	33	5.4	SOUTHWESTERN ATLANTIC OCEAN.
23	07 34 34*	36.7 S	108.5 W	33	4.4	EASTER ISLAND CORDILLERA.
23	08 27 01.6	43.3 N	126.5 W	33	4.3	OFF COAST OF OREGON.
23	10 32 47.9	6.6 S	155.1 E	60	5.3	SOLOMON ISLANDS.
23	11 25 54.8	60.9 N	144.6 W	33	4.0	SOUTHERN ALASKA.
23	14 23 43.2	36.9 N	37.9 E	57	4.8	JORDAN - SYRIA REGION.
23	14 56 30.9	57.3 N	151.9 W	25	5.3	KODIAK ISLAND REGION. MAG. 4 3/4 (BRK).
23	15 47 15*	59.9 N	147.5 W	33	4.1	GULF OF ALASKA.
23	18 44 58.7	16.6 N	99.0 W	46	4.0	NEAR COAST OF GUERRERO, MEXICO.
23	18 58 52.5	35.2 S	69.5 W	33	4.6	MENDOZA PROVINCE, ARGENTINA. FELT AT CURICO, CHILE.
23	20 45 20.7	14.0 N	124.4 E	45		LUZON, PHILIPPINE ISLANDS.
23	21 08 42.0	52.7 N	160.9 E	33	4.8	OFF EAST COAST OF KAMCHATKA.
24	00 42 33.9	52.7 N	160.9 E	33	4.9	OFF EAST COAST OF KAMCHATKA.
24	00 59 33*	56.5 N	151.6 W	33	3.8	KODIAK ISLAND REGION.
24	01 20 55*	31.5 N	93.8 W	33	3.7	LOUISIANA.
24	03 18 16.3	20.1 S	177.8 W	393	3.7	FIJI ISLANDS REGION.
24	03 49 57.8	38.0 N	21.8 E	92	4.1	GREECE.
24	03 51 05.0	59.5 N	144.5 W	33	5.2	GULF OF ALASKA. MAG. 5-5 1/4 (BRK).
24	04 23 05.1	56.6 N	151.7 W	20	4.1	KODIAK ISLAND REGION.
24	05 26 28.9	3.9 S	138.8 E	118		WEST NEW GUINEA.
24	05 56 10.1	5.1 S	144.2 E	106	6.3	NEW GUINEA. MAG. 6 3/4 (PAS), 6 1/2-6 3/4 (BRK). SLIGHT DAMAGE AT MT. HAGEN. FELT WIDELY.
24	07 33 53.0	31.6 N	93.8 W	33	3.7	LOUISIANA. FELT.
24	08 19 42*	28.0 S	69.0 W	30	4.2	CHILE-ARGENTINA BORDER REGION.
24	08 57 09.8	58.7 N	149.5 W	33	4.5	GULF OF ALASKA.
24	11 13 23.1	23.1 S	175.9 W	33	4.5	TONGA ISLANDS REGION.
24	14 30 07.2	29.3 N	130.1 E	31	4.8	RYUKYU ISLANDS.
24	14 40 28.3	13.3 N	88.8 W	158	5.1	EL SALVADOR. MAG. 6 (PAL). FELT.
24	19 50 22.3	51.7 N	176.9 W	50	4.6	ANDREANOF ISLANDS, ALEUTIAN IS.
24	20 10 00.1					37° 08' 58.5" N 116° 03' 19.4" W. NEVADA TEST SITE. "TURF." SHOT ELEVATION 788.5 METERS (AEC).
25	00 17 56*	60.3 N	147.0 W	33	3.9	SOUTHERN ALASKA.
25	00 51 08.0	59.9 N	147.1 W	33	4.1	GULF OF ALASKA.
25	01 11 44.3	37.8 N	30.0 E	44	4.5	TURKEY.
25	01 59 14*	60.0 N	145.1 W	33	4.0	SOUTHERN ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
25	03 48 36*	37.3 S	94.5 W	33	4.5	WEST CHILE RISE.
25	04 53 15*	36.6 N	141.4 E	33	3.6	NEAR EAST COAST OF HONSHU, JAPAN.
25	05 36 42.2	6.7 S	155.0 E	72	5.1	SOLOMON ISLANDS.
25	05 56 40.8	45.6 N	149.1 E	33	4.1	KURILE ISLANDS.
25	07 01 20*	59.8 N	145.3 W	33	3.8	GULF OF ALASKA.
25	09 43 30.7	59.9 N	144.9 W	30	5.0	GULF OF ALASKA.
25	11 07 52*	49.8 N	155.6 E	80	4.6	KURILE ISLANDS.
25	11 34 29.3	57.6 N	150.8 W	33	4.2	GULF OF ALASKA.
25	11 46 14.0	15.6 S	70.4 W	215	4.0	SOUTHERN PERU.
25	12 44 09.6	35.2 N	27.6 E	27	4.5	DODECANESE ISLANDS.
25	13 36 06.8	15.6 S	69.4 W	265	4.0	PERU-BOLIVIA BORDER REGION.
25	16 10 01.3	59.9 N	146.1 W	33	4.6	GULF OF ALASKA.
25	18 11 24*	60.7 N	145.3 W	33	3.7	SOUTHERN ALASKA.
25	18 37 58.1	24.4 N	125.3 E	33	5.3	SOUTHWESTERN RYUKYU ISLANDS.
25	21 29 30.4	19.8 N	71.2 W	35	4.3	DOMINICAN REPUBLIC REGION.
26	01 17 12*	14.9 N	92.5 W	45	4.2	NEAR COAST OF CHIAPAS, MEXICO.
26	01 31 55*	34.8 N	26.1 E	70	4.0	CRETE.
26	10 09 19*	17.3 N	98.1 W	33	3.9	GUERRERO, MEXICO.
26	13 59 27.7	5.8 S	105.0 E	90	5.6	SUNDA STRAIT.
26	14 46 17*	14.1 S	167.9 E	195		NEW HEBRIDES ISLANDS.
26	14 52 07.6	20.6 S	178.0 W	490	5.1	FIJI ISLANDS REGION.
26	22 17 02.2	28.1 S	178.2 W	37	4.1	KERMADEC ISLANDS.
26	22 34 48.6	60.4 S	24.6 W	33	4.8	SOUTH SANDWICH ISLANDS REGION.
27	01 37 12.1	0.3 N	98.1 E	33	5.3	NORTHERN SUMATRA.
27	03 53 47.1	57.4 N	152.4 W	20	4.3	KODIAK ISLAND REGION.
27	04 21 15.9	8.6 S	148.1 E	110	4.5	EAST NEW GUINEA REGION.
27	06 44 25.1	60.1 S	151.0 E	33	5.0	WEST OF MACQUARIE ISLAND.
27	09 09 07.2	16.6 N	94.8 W	33	3.5	OAXACA, MEXICO.
27	12 07 53*	4.0 N	31.1 W	33	4.7	CENTRAL MID-ATLANTIC RIDGE.
27	14 36 18.2	19.8 S	170.1 E	274		NEW HEBRIDES ISLANDS.
27	19 09 39.0	60.5 N	146.5 W	33	4.4	SOUTHERN ALASKA.
27	20 25 04.1	59.8 N	148.4 W	33	4.3	KENAI PENINSULA, ALASKA.
28	00 30 45.6	31.5 N	93.8 W	33	3.4	LOUISIANA. FELT.
28	08 01 17.9	44.6 N	150.2 E	45	4.0	KURILE ISLANDS REGION.
28	08 38 12*	59.6 N	149.9 W	33	3.9	KENAI PENINSULA, ALASKA.
28	12 21 25.6	59.0 N	138.7 W	33	4.6	SOUTHEASTERN ALASKA.
28	13 34 10.4	57.6 N	150.0 W	33	4.4	G .F OF ALASKA.
28	14 55 25.5	11.9 S	166.2 E	42	4.2	SANTA CRUZ ISLANDS.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
28	15 11 30.4	12.3 S	166.1 E	72		SANTA CRUZ ISLANDS.
28	15 52 10.0	12.3 S	165.5 E	33		SANTA CRUZ ISLANDS.
28	18 27 03*	37.1 N	71.7 E	146		AFGHANISTAN-USSR BORDER REGION.
28	19 33 33.5	16.6 S	70.0 W	116	4.2	SOUTHERN PERU.
28	21 18 40.1	31.7 N	93.6 W	33	4.4	LOUISIANA. FELT.
28	22 56 18.8	56.7 N	152.0 W	33	4.1	KODIAK ISLAND REGION.
29	00 44 43.8	32.4 S	71.1 W	79	4.5	NEAR COAST OF CENTRAL CHILE. FELT AT SANTIAGO, VALPARAISO AND VINA DEL MAR.
29	02 11 36.6	32.4 N	129.0 E	33	4.6	KYUSHU, JAPAN.
29	03 52 43*	60.0 N	147.4 W	33	4.0	SOUTHERN ALASKA.
29	04 08 01.2	3.4 S	77.7 W	56	4.3	PERU-ECUADOR BORDER REGION.
29	04 21 06.7	39.3 N	23.7 E	33	5.1	AEGEAN SEA. MAG. 5 1/4 (PAL), EXTENSIVE PROPERTY DAMAGE ON SKOPELOS ISLAND.
29	05 47 45*	12.8 S	167.1 E	150	4.1	SANTA CRUZ ISLANDS.
29	07 21 30.2	7.2 S	155.7 E	78	5.2	SOLOMON ISLANDS.
29	08 08 41*	12.1 N	88.4 W	33	3.9	OFF COAST OF CENTRAL AMERICA.
29	17 00 02.9	39.2 N	23.7 E	32	4.6	AEGEAN SEA.
29	17 37 43.1	58.2 S	15.7 W	33	5.6	SOUTHWESTERN ATLANTIC OCEAN.
29	17 59 39.5	17.1 S	72.1 W	44	4.5	NEAR COAST OF PERU.
29	19 22 15*	41.1 N	126.3 W	33	4.6	OFF COAST OF NORTHERN CALIFORNIA.
29	19 46 40*	41.8 N	127.0 W	33	4.5	OFF COAST OF NORTHERN CALIFORNIA.
29	20 47 00.0					37°02'22.4"N 116°01'35.9"W. NEVADA TEST SITE. "PIPEFISH." SHOT ELEVATION 956.1 METERS (AEC).
29	20 57 14.8					"PIPEFISH"COLLAPSE.
29	21 53 16*	11.8 N	87.6 W	33	4.5	NEAR COAST OF NICARAGUA.
30	00 26 00*	56.9 N	152.2 W	33	3.9	KODIAK ISLAND REGION.
30	03 41 42.3	15.5 S	174.7 W	224	4.2	TONGA ISLANDS.
30	03 49 57.6	58.9 N	139.0 W	20	4.4	OFF COAST OF SOUTHEASTERN ALASKA. MAG. 3 3/4-4 (BRK).
30	04 01 26.1	59.0 N	137.8 W	33	4.3	SOUTHEASTERN ALASKA.
30	04 49 48.0	19.7 S	177.8 W	339	4.0	FIJI ISLANDS REGION.
30	05 31 51.1	56.8 N	152.7 W	33	4.5	KODIAK ISLAND REGION.
30	07 37 32.2	16.6 N	85.1 W	33	3.8	CARIBBEAN SEA.
30	07 57 33.0	3.8 N	101.1 W	33	4.6	EAST CENTRAL PACIFIC OCEAN.
30	08 06 23.5	56.2 S	27.6 W	88	4.9	SOUTH SANDWICH ISLANDS REGION.
30	10 49 13.5	24.4 S	71.6 W	33	4.4	OFF COAST OF NORTHERN CHILE.
30	11 50 47.4	61.3 N	147.0 W	33	4.4	SOUTHERN ALASKA.
30	14 54 03.3	20.3 N	121.1 E	50	5.7	PHILIPPINE ISLANDS REGION.
30	15 05 57.9	11.2 N	86.7 W	33	4.3	NEAR COAST OF NICARAGUA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
30	16 03 31.4	4.6 S	153.2 E	78	5.2	NEW IRELAND REGION. FELT AT LONDOLOVIT AND RABAUL.
30	16 25 31*	59.0 N	148.6 W	33	4.2	KENAI PENINSULA, ALASKA.
30	17 26 30*	60.1 N	142.2 W	33	4.9	SOUTHERN ALASKA.
30	18 11 43*	40.6 N	24.4 E	120	3.9	AEGEAN SEA.
30	19 03 08.0	11.8 S	166.0 E	40		SANTA CRUZ ISLANDS.
30	19 06 48.7	12.3 N	124.4 E	121		SAMAR, PHILIPPINE ISLANDS.
30	21 37 04*	12.5 S	165.1 E	33	4.0	SANTA CRUZ ISLANDS.
30	23 51 28.1	58.0 N	150.9 W	33	3.9	GULF OF ALASKA.

Date and Station	Phase (GCT)
	h m s
APR 01	
H-00 01 10.6	
60.4N 146.4W	
h ABOUT 010KM	
COL IP C	00 02 22.0
SIT E(P)	00 02 51.0
HHM IP	00 06 08.7
BUT EP	00 06 30.1
EUR IP	00 07 06.3
SLC EP	00 07 12.8
FGU E(P)	00 07 20.2
IPCP	10 21.7
ALQ EP	00 08 14.0
IPCP	10 40.0
TUC EP	00 08 19.0
EPCP	10 40.2
SJP EP	00 12 19.2
APR 01	
COL IP	00 10 58.5
APR 01	
H-00 36 32.4	
58.3N 150.4W	
h ABOUT 020KM	
COL IP C	00 38 11.3
HHM EP	00 41 42.8
BOZ E(P)	00 42 10.0
APR 01	
HHM E(P)	00 45 26.8
APR 01	
COL EP	00 55 49.0
APR 01	
GUA IP	01 05 54.5
ES	06 07.6
APR 01	
BOZ EP	01 02 07.0
APR 01	
H-01 12 17.1	
60.3N 145.0W	
h ABOUT 033KM	
COL EP C	01 13 28.0
HHM EP	01 17 04.8
BOZ EP	01 17 35.0
TUC E(P)	01 19 15.0
APR 01	
H-01 21 05.4	
60.6N 149.2W	
h ABOUT 025KM	
COL IP C	01 22 12.3

Date and Station	Phase (GCT)
	h m s
HHM EP	01 26 14.7
E▸P	26 22.8
BOZ EP	01 26 43.0
E	30 38.5
FGU EP	0 27 24.7
ALQ E(P)	01 28 18.0
TUC EP	01 28 22.5
APR 01	
COL IP	01 29 10.1
APR 01	
H-01 54 09.3	
59.7N 146.1W	
h ABOUT 015KM	
COL IP	01 55 28.2
BOZ E(P)	01 59 25.0
APR 01	
H-02 14 09.0	
59.5N 146.7W	
h ABOUT 033KM	
COL E(P)	02 15 29.7
APR 01	
COL IP	02 14 20.0
APR 01	
COL IP	02 20 09.0
APR 01	
COL EP	02 33 05.0
APR 01	
COL EP	02 40 25.0
APR 01	
FGU EP	02 59 43.8
APR 01	
H-03 05 49.9	
60.1N 146.1W	
h ABOUT 015KM	
COL IP C	03 07 04.2
HHM EP	03 10 42.3
E▸P	10 49.3
BUT EP	03 11 08.0
BOZ EP	03 11 14.6
EUR EP	03 11 41.9
TUC E(P)	03 12 54.6
ALQ EP	03 12 56.0
APR 01	
H-03 23 17.2	
57.2N 151.3W	
h ABOUT 025KM	
COL IP C	03 25 11.1

Date and Station	Phase (GCT)
	h m s
HHM EP	03 28 30.3
E	28 40.3
EPCP	32 15.8
BUT EP	03 28 51.0
BOZ EP	03 28 57.8
EUR IP	03 29 16.4
FGU EP	03 29 36.3
BCN EP	03 29 46.3
E▸P	29 54.2
EPCP	32 43.3
E▸PCP	32 49.3
TUC EP	03 30 28.6
E(PCP)	32 55.1
ALQ IP	03 30 30.0
EPCP	32 48.0
E▸PCP	32 58.0
CSC E(P)	03 32 19.0
E▸P	32 28.0
SJP EP	03 34 40.6
E	34 45.0
E▸P	34 48.5
APR 01	
COL EP	03 39 36.0
APR 01	
H-03 43 47.4	
59.9N 146.1W	
h ABOUT 033KM	
COL EP	03 45 03.5
HHM E(P)	03 48 40.8
WAS E(P)	03 52 59.0
APR 01	
BOZ EP	03 56 21.0
APR 01	
COL IP	04 18 22.2
HHM E(P)	04 22 26.8
APR 01	
H-04 26 52.7	
2.8S 080.1W	
h ABOUT 035KM	
SJP EP	04 32 18.5
E	32 32.3
E	32 37.1
ALQ IP	04 35 07.0
E▸P	35 17.0
TUC EP	04 35 11.5
E▸P	35 20.5
FGU EP	04 35 58.5
EUR EP	04 36 10.4
BOZ EP	04 36 27.6
I	36 56.0

Date and Station	Phase (GCT)
	h m s
HHM EP	04 36 50.3
APR 01	
COL EP	04 27 18.0
APR 01	
H-04 32 40.7	
58.7N 150.1W	
h ABOUT 020KM	
COL IP D	04 34 14.9
FGU IP	04 38 59.3
ALQ IP	04 39 52.0
EPCP	42 12.0
E▸PCP	42 19.0
E(S)	46 10.0
TUC E(P)	04 39 53.7
EPCP	42 11.5
APR 01	
HHM EP	04 41 35.3
APR 01	
FGU E(P)	04 48 39.8
E(S)	49 22.3
APR 01	
H-04 49 26.3	
57.2N 151.4W	
h ABOUT 020KM	
HHM EP	04 54 41.0
BOZ EP	04 55 08.0
E	55 12.0
E	58 32.0
FGU EP	04 55 46.8
BCN EP	04 55 56.5
E▸P	56 03.5
TUC EP	04 56 37.8
ALQ EP	04 56 38.0
EPCP	58 55.0
APR 01	
COL EP	05 03 41.0
APR 01	
COL EP	05 26 10.0
APR 01	
COL IP	05 32 54.0
APR 01	
COL IP	05 33 00.0
APR 01	
H-05 33 02.9	
59.9N 146.0W	
h ABOUT 015KM	
HHM EP	05 37 56.8
E(L)	41 54.8
BUT EP	05 38 23.2
ES	43 01.0
BOZ EP	05 38 25.5

Date and Station	Phase	(GCT) h m s
EUR	IP	05 38 53.5
FGU	E(P)	05 38 54.4
	E	39 06.9
SLC	EP	05 38 58.4
BCN	EP	05 39 25.0
ALQ	EP	05 40 03.0
	EPCP	42 30.0
TUC	EP	05 40 05.8
APR 01		
COL	EP	05 44 24.0
APR 01		
COL	IP D	05 51 44.9
APR 01		
COL	IP	05 51 45.6
APR 01		
COL	EP	06 16 06.8
APR 01		
H-06 16 21.4		
60.2N 147.1W		
h ABOUT 015KM		
COL	I(P)	06 17 35.0
BUT	E(P)	06 21 43.0
BOZ	EP	06 21 50.0
	I▸P	21 56.0
EUR	EP	06 22 17.3
FGU	EP	06 22 32.2
BCN	EP	06 22 49.0
ALQ	EP	06 23 27.0
	EPCP	25 47.0
TUC	EP	06 23 29.8
	EPCP	25 49.5
APR 01		
H-06 39 48.5		
60.4N 146.7W		
h ABOUT 010KM		
COL	I(P)	06 41 02.0
HHM	EP	06 44 46.3
BUT	EP	06 45 13.1
BOZ	EP	06 45 18.0
	EPCP	48 48.0
EUR	EP	06 45 44.1
BCN	EP	06 46 16.2
	E▸P	46 19.3
ALQ	EP	06 46 54.0
	EPCP	49 14.0
TUC	EP	06 46 57.0
	EPCP	49 18.5
	E▸PCP	49 23.0
APR 01		
COL	EP	06 40 43.4
APR 01		
FGU	EP	06 50 32.4
APR 01		
COL	IP C	06 55 45.5
APR 01		
COL	IP C	07 03 12.5
APR 01		
COL	IP	07 03 13.1
APR 01		
BOZ	EP	07 11 24.0
APR 01		
H-07 26 02.6		
59.6N 150.1W		
h ABOUT 033KM		
COL	IP	07 27 22.5
BOZ	EP	07 31 40.0
APR 01		
H-07 56 07.7		
56.6N 151.3W		
h ABOUT 033KM		
COL	EP	07 58 10.0
BOZ	E(P)	08 02 47.0
APR 01		
COL	EP	08 08 24.0
APR 01		
H-08 09 01.2		
56.6N 151.4W		
h ABOUT 025KM		
COL	IP	08 11 06.0
	E	18 42.0
HHM	E(P)	08 14 14.8
EUR	EP	08 14 59.4
APR 01		
H-08 13 51.9		
37.8N 135.8E		
h ABOUT 386KM		
COL	EP	08 22 16.0
HHM	EP	08 24 48.7
BOZ	EP	08 25 05.0
APR 01		
H-08 28 09.4		
60.0N 147.6W		
h ABOUT 020KM		
COL	IP	08 29 24.4
HHM	EP	08 33 09.8
BOZ	EP	08 33 39.5
APR 01		
H-08 33 22.0		
59.9N 146.6W		
h ABOUT 010KM		
COL	IP C	08 34 40.0
BOZ	EP	08 38 49.0
EUR	EP	08 39 15.1
BCN	E(P)	08 39 43.8
ALQ	EP	08 40 26.0
	EPCP	42 51.0
TUC	EP	08 40 28.0
APR 01		
BOZ	EP	08 45 16.5
	ES	45 48.0
APR 01		
COL	EP	08 48 28.0
APR 01		
COL	IP	08 52 56.7
APR 01		
H-08 59 07.3		
27.8N 139.5E		
h ABOUT 469KM		
HON	EP	09 08 41.0
	E	10 06.0
	E(S)	14 29.0
	EL	16 30.0
BOZ	E(P)	09 10 32.0
ALQ	E(P)	09 11 26.0
APR 01		
COL	EP	09 13 58.0
APR 01		
COL	EP	09 15 03.0
APR 01		
COL	EP	09 29 33.0
APR 01		
COL	EP	09 33 50.5
APR 01		
COL	EP	09 43 16.0
APR 01		
COL	IP	09 58 48.2
APR 01		
COL	EP	09 59 41.0
APR 01		
COL	IP	10 08 10.8
APR 01		
COL	EP	10 42 10.0
APR 01		
H-10 45 13.6		
59.1N 148.5W		
h ABOUT 033KM		
COL	IP D	10 46 40.4
HHM	E(P)	10 50 16.8
APR 01		
H-11 01 25.5		
60.4N 146.5W		
h ABOUT 010KM		
COL	IP D	11 02 36.3
HHM	EP	11 06 23.5
BUT	EP	11 06 47.9
BOZ	EP	11 06 53.0
EUR	IP	11 07 21.7
BCN	EP	11 07 52.5
ALQ	EP	11 08 31.0
TUC	EP	11 08 34.0
APR 01		
COL	EP	11 11 40.0
APR 01		
COL	IP	11 12 56.2
APR 01		
COL	IP D	11 18 42.0
APR 01		
COL	EP	11 36 48.0
APR 01		
COL	EP	11 39 50.0
APR 01		
COL	EP	11 42 38.0
SIT	E(P)	11 43 01.7
APR 01		
COL	EP	11 45 10.0
APR 01		
COL	EP	11 56 51.0
APR 01		
COL	EP	12 04 32.0
APR 01		
COL	EP	12 07 50.0
APR 01		
COL	IP C	12 16 13.5
APR 01		
COL	EP	12 55 05.0
APR 01		
COL	EP	13 04 43.0
APR 01		
COL	EP	13 09 49.0

Date and Station	Phase (GCT)
	h m s
APR 01	
COL EP	13 16 32.0
APR 01	
H-13 33 23.4	
59.7N 148.2W	
h ABOUT 020KM	
COL IP D	13 34 41.7
HHM EP	13 38 26.7
BOZ EP	13 38 54.0
EUR IP	13 39 19.9
BCN EP	13 39 50.8
EPCP	42 36.8
ALQ EP	13 40 30.0
EPCP	42 50.0
TUC EP	13 40 32.0
E▸P	40 39.0
EPCP	42 49.5
E▸PCP	42 56.5
APR 01	
BOZ E(P)	13 44 27.0
APR 01	
EUR EP	13 51 40.0
APR 01	
H-13 54 31.9	
57.5N 151.3W	
h ABOUT 020KM	
COL EP	13 56 24.0
HHM EP	13 59 46.2
BOZ E(P)	14 00 03.0
EPCP	03 33.5
E▸CP	03 39.0
BCN EP	14 01 02.7
I▸P	01 08.7
EPCP	03 48.7
ALQ EP	14 01 44.0
EPCP	04 03.0
TUC EP	14 01 44.5
E▸P	01 50.4
EPCP	04 02.4
APR 01	
COL EP	14 13 24.0
APR 01	
COL IP	14 16 30.0
APR 01	
COL EP	14 21 51.0
APR 01	
COL I(P)	14 21 52.5
APR 01	
COL EP	14 28 10.0

Date and Station	Phase (GCT)
	h m s
APR 01	
COL E(P)	14 39 32.5
I	15 39 35.1
APR 01	
COL EP	14 44 48.0
APR 01	
COL EP	14 49 31.0
APR 01	
COL EP	14 53 36.0
APR 01	
COL EP	15 06 37.0
APR 01	
COL EP	15 16 27.0
APR 01	
H-15 22 38.3	
57.3N 152.9W	
h ABOUT 015KM	
COL EP	15 24 35.0
HHM E(P)	15 28 02.0
TUC E(P)	15 29 57.4
APR 01	
TUC EP	15 36 09.5
EL	36 36.0
APR 01	
BOZ E(P)	15 36 20.0
APR 01	
SLC EP	16 00 02.4
ES	00 25.9
APR 01	
COL IP D	16 06 05.5
APR 01	
COL EP	16 12 19.0
APR 01	
COL EP	16 25 13.0
APR 01	
COL EP	16 25 15.0
APR 01	
H-16 29 09.0	
59.7N 146.5W	
h ABOUT 015KM	
COL IP	16 30 29.4
HHM EP	16 34 03.6
BUT EP	16 34 27.0
BOZ IP	16 34 33.8
TUC EP	16 36 13.3
APR 01	
COL EP	16 42 54.0
APR 01	
BCN EP	16 50 31.4

Date and Station	Phase (GCT)
	h m s
APR 01	
COL IP D	16 55 28.0
APR 01	
HHM EP	16 59 13.7
APR 01	
COL EP C	17 02 52.0
APR 01	
COL EP	17 18 03.0
APR 01	
H-17 23 12.1	
56.1N 155.4W	
h ABOUT 020KM	
HHM E(P)	17 28 43.7
APR 01	
COL EP	17 24 17.0
APR 01	
COL EP	17 31 29.0
APR 01	
COL EP	17 38 55.0
APR 01	
COL EP	17 53 16.0
APR 01	
COL IP C	17 58 39.5
APR 01	
COL EP	17 58 40.0
APR 01	
COL EP	18 02 05.0
APR 01	
BCN IP	18 34 55.9
IS	35 06.0
APR 01	
COL EP	18 47 39.0
APR 01	
COL IP	18 47 40.0
APR 01	
H-18 48 32.9	
60.0N 142.4W	
h ABOUT 033KM	
SIT E(P)	18 49 39.4
COL EP	18 49 56.0
TUC EP	18 55 21.4
APR 01	
COL EP	19 01 08.0
APR 01	
HHM E(P)	19 08 45.5
ES	09 23.6
APR 01	
COL IP D	19 15 21.9
APR 01	
COL IP	19 15 22.2

Date and Station	Phase (GCT)
	h m s
APR 01	
COL EP	19 31 05.0
APR 01	
COL EP	19 37 47.0
APR 01	
COL EP	20 02 31.0
APR 01	
H-20 07 24.2	
56.6N 153.0W	
h ABOUT 033KM	
COL EP	20 09 29.0
APR 01	
H-20 13 08.3	
58.3N 149.6W	
h ABOUT 020KM	
COL IP	20 14 47.8
HHM EP	20 18 16.1
BUT EP	20 18 35.0
BOZ EP	20 18 46.0
FGU E(P)	20 19 14.9
BCN EP	20 19 36.0
E▸P	19 43.0
TUC EP	20 20 16.0
E▸P	20 23.8
APR 01	
SIT E(P)	20 16 21.3
APR 01	
COL IP	20 28 42.2
APR 01	
COL EP	20 36 21.0
APR 01	
COL EP	20 47 51.0
APR 01	
COL EP	20 58 52.0
APR 01	
HHM E(P)	21 06 46.0
APR 01	
FGU EP	21 15 13.9
APR 01	
GUA EP	21 23 42.5
ES	23 52.0
APR 01	
COL EP	21 43 59.0
APR 01	
COL EP	21 57 47.0
APR 01	
H-22 00 58.7	
58.9N 150.0W	
h ABOUT 020KM	
COL IP	22 02 30.2

Date and Station	Phase	(GCT)
		h m s
HHM	IP	22 06 08.6
BOZ	EP	22 06 35.2
FGU	EP	22 07 16.5
APR 01		
COL	EP	22 15 41.0
APR 01		
COL	EP	22 20 15.0
APR 01		
COL	EP	22 23 25.0
APR 01		
COL	EP	22 32 30.0
APR 01		
COL	EP	22 40 41.0
APR 01		
COL	EP	22 49 47.0
APR 01		
COL	EP	23 16 50.0
APR 01		
COL	EP	23 32 30.0
APR 01		
H-23 37 07.7		
51.0N 157.1E		
h ABOUT 033KM		
COL	IP	23 43 25.6
APR 01		
HHM	IP	23 41 56.9
APR 01		
COL	EP	23 53 15.0
APR 01		
COL	IP	23 58 36.7
HHM	E(P)	24 02 19.6
APR 02		
H-00 16 44.7		
60.9N 148.0W		
h ABOUT 033KM		
COL	IP	00 17 45.8
APR 02		
TUC	EP	00 27 43.7
APR 02		
ALQ	E(P)	00 45 15.0
APR 02		
COL	EP	00 52 34.0
APR 02		
ALQ	EP	01 00 51.0
APR 02		
COL	EP	01 02 20.0
APR 02		
H-01 11 43.5		
5.8N 095.6E		
h ABOUT 033KM		

Date and Station	Phase	(GCT)
		h m s
HON	EPP	01 28 58.0
	E	32 25.0
	E	34 50.0
	ES	37 35.0
	EPS	39 10.0
	E	41 23.0
	ESS	44 42.0
	ESSS	48 24.0
	EL	54 44.0
HHM	EP'	01 30 32.6
FGU	EP'	01 30 49.6
BCN	EP'	01 30 51.0
	E	30 58.5
	ESKP	34 11.5
SLC	EP'	01 30 53.3
TUC	EP'	01 31 01.8
	ESKP	34 34.0
	E	50 48.0
ALQ	EP'	01 31 04.0
	ESKP	34 28.0
CSC	EP'	01 31 16.0
	E	32 22.0
SJP	IP'	01 31 32.0
BHP	IP'	01 31 48.0
KIP	ES	01 37 34.0
	EPS	39 11.0
	E	41 28.0
	ESS	44 28.0
	ESSS	48 22.0
	EL	54 44.0
APR 02		
COL	EP	01 43 10.0
APR 02		
COL	EP	01 51 53.0
FGU	E(P)	01 55 51.1
APR 02		
COL	EP	02 04 53.0
APR 02		
COL	EP	02 14 48.0
APR 02		
H-02 40 30.7		
60.1N 148.2W		
h ABOUT 033KM		
COL	EP	02 41 43.0
HHM	EP	02 45 32.1
APR 02		
SJP	IP	02 45 22.0
	ES	45 43.0
APR 02		
HHM	EP	02 46 41.5
APR 02		
COL	EP	02 48 30.0

Date and Station	Phase	(GCT)
		h m s
APR 02		
COL	IP	02 54 14.2
APR 02		
COL	EP	03 07 48.0
APR 02		
COL	IP	03 09 42.8
APR 02		
H-03 09 45.4		
5.5N 095.7E		
h ABOUT 108KM		
ALQ	EP'	03 28 59.0
	E	32 23.0
TUC	EP'	03 29 01.0
SJP	EP'	03 29 27.4
APR 02		
COL	IP	03 15 47.2
APR 02		
FGU	IP	03 31 40.0
APR 02		
TUC	E(P)	03 32 23.5
APR 02		
COL	EP	03 33 40.0
APR 02		
COL	IP	03 42 12.0
APR 02		
COL	EP	03 43 08.0
APR 02		
COL	EP	03 48 39.0
APR 02		
H-03 48 59.6		
12.5N 087.8W		
h ABOUT 032KM		
ALQ	EP	03 54 51.0
TUC	EP	03 55 00.1
FGU	E(P)	03 55 43.8
APR 02		
H-03 50 25.1		
56.2N 153.0W		
h ABOUT 033KM		
TUC	E(P)	03 57 39.6
APR 02		
FGU	EP	03 59 11.1
APR 02		
COL	EP	04 08 02.0
APR 02		
COL	EP	04 32 51.0
APR 02		
H-05 25 23.7		
60.1N 147.8W		
h ABOUT 033KM		

Date and Station	Phase	(GCT)
		h m s
COL	IP	05 26 35.1
HHM	EP	05 30 23.5
APR 02		
FGU	E(P)	05 48 03.1
APR 02		
H-06 07 16.6		
58.9N 150.5W		
h ABOUT 033KM		
COL	EP	06 08 46.0
HHM	EP	06 12 26.9
APR 02		
H-06 18 16.1		
60.4N 146.8W		
h ABOUT 020KM		
COL	EP	06 19 25.0
HHM	E(P)	06 23 09.0
	I▸P	23 15.3
TUC	EP	06 25 23.7
APR 02		
COL	EP	06 27 56.0
APR 02		
COL	EP	06 32 59.0
APR 02		
COL	EP	06 51 08.0
APR 02		
H-06 53 31.5		
06.9S 125.5E		
h ABOUT 485KM		
TUC	EP'	07 11 33.2
ALQ	EP'	07 11 39.0
SJP	EP'	07 13 37.5
APR 02		
COL	IP	07 08 09.1
APR 02		
COL	EP	07 17 17.0
APR 02		
COL	EP	07 37 48.0
APR 02		
H-07 38 30.7		
2.0N 125.6E		
h ABOUT 082KM		
ALQ	IP'	07 57 13.0
APR 02		
H-07 57 17.8		
60.1N 147.9W		
h ABOUT 033KM		
COL	EP	07 58 30.0
HHM	EP	08 02 18.1
TUC	EP	08 04 26.5

Date and Station	Phase (GCT)
	h m s
APR 02	
SJP IP D	07 58 49.0
E	59 16.2
APR 02	
COL EP	08 11 23.0
APR 02	
H-08 27 13.5	
56.6N 152.4W	
h ABOUT 033KM	
COL EP	08 29 19.0
HHM EP	08 32 29.5
APR 02	
COL EP	08 39 35.0
BUT E(P)	08 43 55.0
APR 02	
H-09 04 51.9	
57.9N 151.1W	
h ABOUT 033KM	
COL EP	09 06 35.0
BUT EP	09 10 24.8
FGU EP	09 11 12.0
BCN EP	09 11 21.7
TUC EP	09 12 03.6
APR 02	
H-09 23 57.7	
60.4N 146.2W	
h ABOUT 033KM	
COL EP	09 25 06.0
HHM E(P)	09 28 50.0
APR 02	
H-09 57 54.5	
56.5N 152.8W	
h ABOUT 020KM	
COL IP	10 00 00.2
HHM EP	10 03 16.0
BUT EP	10 03 35.8
BOZ EP	10 03 41.9
E▸P	03 46.0
FGU EP	10 04 21.6
BCN EP	10 04 28.6
E▸P	04 35.6
TUC EP	10 05 10.7
ALQ EP	10 05 13.0
EPCP	07 36.0
E(S)	11 15.0
APR 02	
H-10 09 47.0	
56.7N 152.6W	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
COL EP	10 11 48.0
APR 02	
COL EP	10 24 05.0
APR 02	
COL EP	10 47 25.0
APR 02	
H-10 58 09.1	
59.3N 150.0W	
h ABOUT 025KM	
COL IP	10 59 34.5
HHM IP	11 03 19.3
E▸P	03 24.8
BCN EP	11 04 44.0
APR 02	
H-11 41 10.7	
58.8N 149.6W	
h ABOUT 020KM	
COL IP	11 42 42.5
HHM IP	11 46 18.1
I	46 25.3
BUT EP	11 46 38.8
BOZ EP	11 46 46.0
I	46 49.0
I▸P	46 55.5
FGU IP	11 47 27.3
BCN EP	11 47 40.3
E	47 45.3
E▸P	47 47.2
EPCP	50 27.9
E▸PCP	50 34.9
ALQ IP	11 48 21.0
EPCP	50 41.0
E▸PCP	50 47.0
E(SCP)	54 40.0
TUC EP	11 48 21.7
E▸P	48 28.4
EPCP	50 40.0
KIP E(P)	11 48 35.0
ET	12 27 42.0
HON I(P)	11 48 36.4
CSC EP	11 50 10.0
APR 02	
SIT E(P)	11 49 43.0
COL IP	11 51 33.4
APR 02	
COL EP	12 13 24.0
APR 02	
H-12 14 58.5	
60.1N 145.3W	
h ABOUT 033KM	
HHM EP	12 19 46.3

Date and Station	Phase (GCT)
	h m s
APR 02	
H-12 20 25.2	
60.9N 148.1W	
h ABOUT 010KM	
HHM EP	12 25 31.3
TUC EP	12 27 40.5
APR 02	
COL EP	12 45 51.0
HHM EP	12 49 36.2
APR 02	
BOZ EP	13 09 25.0
E▸P	09 30.0
APR 02	
COL EP	13 10 49.0
APR 02	
COL EP	13 15 25.0
APR 02	
H-13 28 38.6	
60.2N 147.6W	
h ABOUT 020KM	
COL IP	13 29 51.6
HHM EP	13 33 40.2
E▸P	33 46.2
APR 02	
COL EP	13 57 51.0
APR 02	
COL FP	14 07 47.0
APR 02	
H-14 22 03.4	
60.5N 149.0W	
h ABOUT 033KM	
HHM EP	14 27 08.2
APR 02	
COL EP	14 27 18.0
APR 02	
BOZ EP	14 27 20.5
APR 02	
COL EP	14 37 50.0
APR 02	
BHP IP	14 47 43.0
IS	48 10.0
APR 02	
H-14 57 43.1	
57.4N 150.3W	
h ABOUT 033KM	
COL EP	14 59 32.0
HHM EP	15 02 49.2
BOZ E(P)	15 03 15.0
E	03 21.0

Date and Station	Phase (GCT)
	h m s
APR 02	
H-15 25 41.5	
09.5N 082.7W	
h ABOUT 033KM	
BHP IP	15 26 29.0
IS	27 15.0
HHM EP	15 34 09.4
APR 02	
COL EP	15 29 55.0
BOZ E(P)	15 33 30.0
APR 02	
COL EP	15 48 10.0
APR 02	
H-15 56 52.6	
05.8N 125.8E	
h ABOUT 179KM	
GUA EP	16 01 14.8
ES	05 52.0
EL	07 28.0
KIP EP	16 08 20.0
HON E(P)	16 08 22.0
ES	17 53.0
EL	29 40.0
HHM E(P)	16 10 47.2
EPKKP	26 21.0
EUR EP	16 10 54.6
BOZ E(P)	16 11 03.0
EP'	15 06.0
I	15 19.8
EPKKP	26 32.2
EUR IP'	16 14 51.2
EPKKP	26 19.8
BCN EP'	16 15 11.3
E	15 54.8
FGU EP'	16 15 12.9
CSC EP'	16 15 55.0
E	16 19.0
BHP IP'	16 16 26.0
SJP EP'	16 16 35.6
E	16 45.2
I	16 49.0
APR 02	
COL EP	15 58 36.0
I	16 09 04.9
APR 02	
COL EP	16 39 32.0
APR 02	
H-16 40 18.6	
25.5N 112.5W	
h ABOUT 033KM	
TUC E(P)	16 41 03.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	16 44 50.0
APR 02	
COL IP	16 44 43.0
APR 02	
COL EP	17 14 13.0
APR 02	
ALQ EP	17 27 46.0
APR 02	
COL EP	17 44 39.0
APR 02	
COL EP	17 50 12.0
APR 02	
COL EP	17 56 12.0
BOZ E(P)	18 00 39.0
E	00 42.5
APR 02	
H-18 17 31.5	
56.8N 151.2W	
h ABOUT 033KM	
COL EP	18 19 29.5
APR 02	
H-18 25 21.0	
60.0N 147.8W	
h ABOUT 040KM	
COL IP	18 26 34.4
SIT E(P)	18 27 08.8
HHM EP	18 30 19.1
BOZ EP	18 30 49.0
EUR EP	18 31 17.3
TUC EP	18 32 32.0
APR 02	
COL EP	18 48 11.0
APR 02	
BOZ EP	18 54 23.0
APR 02	
H-19 03 52.4	
60.4N 145.3W	
h ABOUT 033KM	
COL EP	19 05 03.0
HHM EP	19 08 42.0
BOZ E(P)	19 09 09.0
APR 02	
ALQ EP	19 04 15.0
APR 02	
FGU EP	19 06 29.5
IS	06 50.5

Date and Station	Phase (GCT)
	h m s
APR 02	
H-19 28 22.0	
12.4N 143.5E	
h ABOUT 033KM	
GUA EP	19 28 50.5
ES	29 14.0
COL EP	19 39 30.0
APR 02	
H-19 38 24.7	
60.7N 145.8W	
h ABOUT 015KM	
HHM EP	19 43 20.4
EPP	43 26.1
BOZ EP	19 43 49.0
TUC EP	19 45 34.0
APR 02	
H-19 40 19.9	
59.6N 144.8W	
h ABOUT 020KM	
HHM EP	19 45 04.6
EPP	45 11.3
BUT EP	19 45 30.0
BOZ EP	19 45 36.0
EPP	45 41.0
EPCP	49 16.2
EUR IP	19 46 04.1
TUC EP	19 47 17.1
APR 02	
HHM EP	19 49 10.1
APR 02	
H-20 09 42.0	
59.8N 147.0W	
h ABOUT 010KM	
COL EP	20 11 02.0
HHM EP	20 14 39.3
BOZ EP	20 15 10.0
EUR IP	20 15 37.1
FGU EP	20 15 51.6
BCN EP	20 16 08.5
TUC EP	20 16 49.6
APR 02	
HHM EP	20 18 35.1
APR 02	
TUC EP	20 19 12.0
APR 02	
COL EP	20 47 44.0
APR 02	
ALQ EP	21 00 21.0

Date and Station	Phase (GCT)
	h m s
APR 02	
TUC IP	21 05 02.6
IL	05 22.5
APR 02	
COL EP	21 09 33.0
APR 02	
H-21 09 36.3	
58.8N 144.8W	
h ABOUT 015KM	
HHM EP	21 14 19.8
BOZ EP	21 14 49.0
TUC EP	21 16 29.5
APR 02	
EUR IP	21 29 42.4
APR 02	
COL EP	21 53 29.0
APR 02	
COL EP	22 06 13.0
APR 02	
H-22 07 20.6	
60.4N 147.2W	
h ABOUT 010KM	
HHM EP	22 12 20.1
BOZ EP	22 12 50.0
TUC EP	22 14 30.5
ALQ EP	22 15 21.0
E	25 30.0
APR 02	
H-22 34 31.7	
59.8N 144.3W	
h ABOUT 020KM	
SIT EP	22 35 50.0
HHM EP	22 39 13.3
E	45 35.1
BUT EP	22 39 40.8
BOZ EP C	22 39 44.2
ES	44 03.5
IL	48 08.0
EUR IP	22 40 15.1
SLC EP	22 40 20.3
BCN EP	22 40 46.4
EL	56 59.4
TUC EP	22 41 26.6
CSC IP	22 43 11.0
CHK E(S)	22 48 07.5
E	54 44.7
HON ES	22 48 12.0
EL	51 04.0
ET	23 23 42.0

Date and Station	Phase (GCT)
	h m s
WAS E(L)	22 56 35.0
E	58 37.0
KIP ET	23 23 31.0
APR 02	
COL EP	22 48 50.0
APR 02	
EUR EP	22 49 03.9
SLC E(P)	22 50 34.3
APR 02	
SJP EP	23 02 39.0
EL	03 08.0
APR 02	
BOZ EP	23 03 05.5
APR 02	
COL EP	23 09 56.0
APR 02	
COL EP	23 13 16.0
APR 02	
COL IP	23 17 28.6
APR 02	
H-23 27 52.4	
56.4S 025.1W	
h ABOUT 033KM	
HHM EP'	23 46 52.9
APR 02	
H-23 29 59.3	
60.5N 146.3W	
h ABOUT 015KM	
COL EP	23 31 09.0
HHM EP	23 34 55.1
APR 02	
COL IP	23 43 19.3
APR 03	
COL EP	00 33 26.0
APR 03	
H-00 37 38.5	
58.2N 148.9W	
h ABOUT 033KM	
COL IP	00 39 16.9
HHM EP	00 42 38.1
BOZ EP	00 43 07.0
EUR IP	00 43 35.1
APR 03	
BOZ EP	01 04 54.0
E	05 07.5
APR 03	
H-01 14 40.0	
59.3N 148.3W	
h ABOUT 033KM	
COL IP	01 16 03.3

Date and Station	Phase (GCT)
	h m s
HHM E(P)	01 19 39.0
BOZ EP	01 20 10.0
APR 03	
COL EP	01 28 39.0
APR 03	
H-01 40 26.5	
59.3N 147.7W	
h ABOUT 033KM	
COL IP	01 41 50.3
HHM EP	01 45 23.2
BOZ EP	01 45 54.0
APR 03	
COL EP	01 48 02.0
APR 03	
COL EP	02 08 38.0
APR 03	
COL EP	02 27 46.0
APR 03	
COL EP	02 45 13.0
HHM EP	02 48 48.2
APR 03	
COL EP	02 48 57.2
APR 03	
COL IP	03 02 44.7
APR 03	
COL EP	03 13 18.0
APR 03	
COL EP	03 40 35.0
APR 03	
COL EP	03 52 02.0
APR 03	
BOZ EP	04 00 04.2
ES	00 16.0
APR 03	
COL EP	04 00 57.0
APR 03	
H-04 12 39.7	
3.9N 096.6E	
h ABOUT 052KM	
GUA E(P)	04 21 18.6
HHM EP'	04 31 29.2
BOZ IP'	04 31 35.2
EUR IP'	04 31 42.2
FGU IP'	04 31 45.0
ISKP	35 00.2

Date and Station	Phase (GCT)
	h m s
BCN EP'	04 31 48.6
E▸P'	32 04.8
ISKP	35 05.9
E	35 34.0
EPKKP	46 07.5
TUC EP'	04 31 56.6
ESKP	35 22 .3
CSC IP'	04 32 08.0
E▸P'	32 26.0
SJP EP'	04 32 31.6
I	32 42.0
APR 03	
COL IP	04 15 45.7
APR 03	
BOZ EP	04 16 53.0
ES	17 06.0
APR 03	
COL EP	04 31 31.0
APR 03	
COL IP	04 40 42.4
HHM E(P)	04 41 29.1
APR 03	
COL IP	04 43 48.7
APR 03	
H-04 51 26.8	
57.0N 154.0W	
h ABOUT 033KM	
COL EP	04 53 27.0
APR 03	
H-04 54 49.2	
43.8N 143.3E	
h ABOUT 033KM	
COL E(P)	05 01 41.0
TUC EP	05 06 48.6
APR 03	
COL EP	05 29 41.0
APR 03	
SJP IP	05 39 45.0
EL	40 27.0
APR 03	
COL EP	05 34 54.0
APR 03	
COL EP	05 43 59.0
APR 03	
FGU E(P)	05 46 17.0
ES	46 50.7
APR 03	
COL EP	05 47 38.0
APR 03	
COL EP	05 52 50.0

Date and Station	Phase (GCT)
	h m s
APR 03	
H-05 56 23.5	
15.4N 094.1W	
h ABOUT 033KM	
TUC EP	06 01 25.0
APR 03	
COL EP	06 18 26.0
APR 03	
H-06 23 11.3	
60.0N 149.5W	
h ABOUT 033KM	
COL IP	06 24 26.4
HHM EP	06 28 18.0
BOZ EP	06 28 45.5
APR 03	
HHM EP	06 31 17.4
BOZ EP	06 31 47.0
E	31 52.3
APR 03	
EUR EP	06 37 26.5
APR 03	
H-06 56 09.7	
60.7N 149.4W	
h ABOUT 033KM	
HHM EP	07 01 18.1
BOZ EP	07 01 46.5
APR 03	
COL EP	06 56 36.0
APR 03	
COL EP	07 45 04.0
APR 03	
COL EP	08 00 46.0
APR 03	
COL EP	08 07 02.0
APR 03	
COL EP	08 19 48.0
APR 03	
COL EP	08 35 30.0
APR 03	
H-08 38 42.8	
59.6N 144.7W	
h ABOUT 010KM	
COL IP	08 40 05.2
SIT EP	08 40 12.0
HHM EP	08 43 28.1
BUT EP	08 43 54.9
E	49 03.0
BOZ EP	08 44 00.0
EUR IP	08 44 27.2

Date and Station	Phase (GCT)
	h m s
SLC EP	08 44 33.1
BCN EP	08 44 58.5
EPCP	47 57.5
TUC EP	08 45 40.7
CSC IP	08 47 25.0
APR 03	
H-08 46 26.9	
57.9N 150.5W	
h ABOUT 015KM	
COL E(P)	08 48 02.0
BOZ E(P)	08 51 55.2
EUR IP	08 52 24.9
FGU E(P)	08 52 41.3
BCN EP	08 52 57.5
E	53 10.0
EPCP	55 56.5
E▸PCP	56 05.5
TUC EP	08 53 39.8
KIP ET	09 27 32.0
HON ET	09 27 36.0
APR 03	
H-08 47 34.8	
27.9S 178.1W	
h ABOUT 033KM	
TUC EP	09 00 21.8
KIP ET	09 35 14.0
HON ET	09 35 17.0
APR 03	
BCN EP	08 51 40.5
SLC EP	08 52 20.8
APR 03	
BCN EP	08 59 42.5
APR 03	
COL EP	09 30 49.0
APR 03	
COL EP	09 33 40.0
APR 03	
H-09 48 15.7	
57.1N 150.5W	
h ABOUT 033KM	
COL IP	09 50 09.7
HHM EP	09 53 25.1
BOZ EP	09 53 53.0
FGU EP	09 54 31.1
APR 03	
BCN IP	09 59 01.3

Date and Station	Phase	(GCT) h m s
APR 03		
COL	EP	10 30 22.0
APR 03		
BOZ	EP	10 33 33.0
	ES	33 43.0
APR 03		
COL	EP	10 34 00.0
APR 03		
H-10 46 51.6		
59.3N 147.0W		
h ABOUT 033KM		
HHM	EP	10 51 44.9
TUC	E(P)	10 53 53.0
APR 03		
FGU	EP	11 08 41.9
	IS	09 14.4
APR 03		
BHP	IP	11 10 20.0
	IS	10 36.0
APR 03		
COL	EP	11 11 03.0
APR 03		
H-11 09 28.2		
56.7N 152.3W		
h ABOUT 033KM		
HHM	EP	11 14 43.5
APR 03		
COL	IP	11 27 36.7
APR 03		
FGU	E(P)	11 49 13.9
	IS	49 42.6
APR 03		
COL	EP	11 51 23.0
APR 03		
COL	EP	11 56 12.0
HHM	E(P)	12 00 31.1
APR 03		
COL	EP	12 15 26.0
HHM	E(P)	12 19 19.1
APR 03		
COL	EP	12 44 30.0
APR 03		
H-12 53 36.4		
60.3N 147.1W		
h ABOUT 015KM		
COL	EP	12 54 48.0
HHM	EP	12 58 35.6
BOZ	EP	12 59 04.9
	E	59 11.0
TUC	E(P)	13 00 40.0
APR 03		
COL	EP	13 01 53.0
APR 03		
COL	EP	13 04 35.0
APR 03		
COL	EP	13 07 42.0
APR 03		
COL	EP	13 15 11.0
HHM	E(P)	13 18 44.9
APR 03		
H-13 46 38.0		
08.7S 078.7W		
h ABOUT 082KM		
TUC	EP	13 55 32.6
EUR	EP	13 56 31.9
BOZ	EP	13 56 49.0
	E	57 09.2
HHM	E(P)	13 56 56.6
APR 03		
H-13 52 01.7		
58.9N 147.3W		
h ABOUT 033KM		
COL	IP	13 53 33.1
APR 03		
COL	EP	14 03 37.0
APR 03		
COL	EP	14 26 11.0
APR 03		
COL	EP	14 46 16.0
APR 03		
COL	EP	15 03 38.0
APR 03		
COL	EP	15 11 04.0
APR 03		
TUC	EP	15 28 13.0
APR 03		
COL	EP	15 43 54.0
HHM	EP	15 47 37.0
BOZ	EP	15 48 09.0
APR 03		
COL	EP	15 50 21.0
APR 03		
COL	EP	16 01 47.0
APR 03		
COL	EP	16 03 34.0
APR 03		
COL	EP	16 20 25.0
APR 03		
COL	IP	16 37 49.1
APR 03		
COL	IP	17 19 18.2
APR 03		
H-17 21 10.3		
1.9N 102.2W		
h ABOUT 033KM		
TUC	EP	17 27 29.4
BCN	EP	17 28 11.0
HHM	E(P)	17 29 41.9
COL	E(P)	17 33 26.0
APR 03		
COL	EP	17 24 55.0
APR 03		
COL	EP	17 30 24.0
APR 03		
COL	EP	18 35 46.0
APR 03		
COL	EP	18 44 06.0
APR 03		
BOZ	EP	18 57 04.9
	E	57 10.5
APR 03		
TUC	E(P)	19 09 40.6
APR 03		
COL	EP	19 13 59.0
APR 03		
HHM	EP	19 17 40.9
APR 03		
BOZ	EP	19 18 11.0
	ES	18 20.0
APR 03		
COL	EP	19 37 09.0
APR 03		
COL	EP	19 44 15.0
APR 03		
BCN	EP	19 52 21.5
	ES	52 33.5
APR 03		
H-19 57 53.3		
60.1N 148.0W		
h ABOUT 020KM		
COL	IP	19 59 07.0
HHM	IP	20 02 56.9
	I	03 02.9
BOZ	EP	20 03 25.2
FGU	IP	20 04 07.1
BCN	EP	20 04 22.0
TUC	EP	20 05 04.2
	E*P	05 11.0
	EPCP	07 24.0
APR 03		
H-20 23 25.0		
57.0N 146.1W		
h ABOUT 025KM		
COL	EP	20 25 22.0
HHM	EP	20 28 08.9
BOZ	IP	20 28 40.9
FGU	IP	20 29 20.6
APR 03		
COL	IP	20 39 08.1
APR 03		
H-20 47 24.7		
60.6N 140.9W		
h ABOUT 015KM		
COL	EP	20 48 48.0
BOZ	EP	20 52 30.0
TUC	EP	20 54 14.1
APR 03		
TUC	IP	20 59 50.5
	IL	21 00 10.5
APR 03		
TUC	E(P)	21 04 37.2
APR 03		
GUA	EP	21 48 51.8
	ES	49 07.0
APR 03		
SLC	EP	21 59 17.2
	EL	59 39.2
FGU	IP	21 59 50.7
APR 03		
H-22 15 48.3		
57.1N 151.9W		
h ABOUT 015KM		
COL	IP	22 17 50.7
BOZ	EP	22 21 33.0
TUC	E(P)	22 23 04.2
APR 03		
H-22 33 42.2		
61.6N 147.6W		
h ABOUT 040KM		
COL	I(P)	22 34 25.5
SIT	IP	22 35 32.0
	IS	37 35.0
HHM	IP	22 38 45.8
	I(S)	42 59.9
	IL	45 41.9
BUT	EP	22 39 07.9
	ES	43 41.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	22 39 14.0
I	39 32.0
E(S)	43 44.0
EUR EP	22 39 44.8
SLC EP	22 39 46.2
FGU IP	22 39 56.2
BCN EP	22 40 14.9
TUC EP	22 40 55.2
E▸P	41 08.0
KIP EP	22 41 22.0
HON EP	22 41 26.0
WAS EP	22 42 18.0
E(S)	49 14.0
E(L)	57 20.0
CSC IP	22 42 34.0
E	47 45.0
GUA EP	22 44 35.1
SJP IP	22 44 52.5
E(▸P)	45 07.6
BHP I(P)	22 45 12.0
APR 03	
BOZ EP	23 39 05.5
APR 03	
BOZ EP	23 46 48.0
APR 03	
COL IP	23 48 08.2
APR 04	
TUC E(P)	00 10 17.2
APR 04	
BCN IP	00 26 26.4
IS	26 36.4
APR 04	
BOZ EP	00 38 12.0
APR 04	
BOZ EP	00 44 33.9
IS	44 46.0
ARP 04	
COL EP	00 46 10.0
ARP 04	
BHP EP	01 33 50.0
APR 04	
H-01 58 40.9	
58.4N 146.8W	
h ABOUT 033KM	
COL E(P)	02 00 11.0
HHM EP	02 03 33.4
E	03 39.9
E	06 17.9

Date and Station	Phase (GCT)
	h m s
BOZ EP	02 04 04.2
E	04 11.0
FGU EP	02 04 41.8
APR 04	
COL EP	02 24 38.0
APR 04	
H-02 35 05.1	
44.2N 146.0E	
h ABOUT 062KM	
BOZ IP	02 45 56.0
APR 04	
COL EP	02 45 28.0
APR 04	
COL EP	03 04 38.0
APR 04	
COL EP	03 36 28.0
BOZ EP	03 40 32.0
APR 04	
COL IP	03 46 31.7
APR 04	
COL EP	04 00 31.0
APR 04	
COL IP	04 09 37.3
APR 04	
BCN EP	04 21 24.8
TUC EP	04 21 30.2
APR 04	
H-04 34 56.9	
60.3N 146.5W	
h ABOUT 005KM	
COL IP	04 36 10.4
HHM EP	04 39 55.8
E(S)	43 50.9
BOZ EP	04 40 26.0
FGU EP	04 41 08.1
TUC EP	04 42 05.5
KIP EP	04 42 32.0
APR 04	
FGU IP	04 44 09.8
APR 04	
H-04 54 01.7	
60.1N 146.7W	
h ABOUT 040KM	
COL IP	04 55 12.0
SIT IP	04 55 36.0
HHM EP C	04 58 54.9
ES	05 03 00.9

Date and Station	Phase (GCT)
	h m s
BUT EP	04 59 19.9
ES	05 04 01.0
BOZ EP	04 59 25.2
ES	05 04 08.0
EL	06 08.0
EUR EP	04 59 52.6
SLC IP	04 59 59.3
FGU IP	05 00 08.3
BCN EP	05 00 23.3
EPCP	03 15.1
ES	05 50.3
E(SS)	07 03.3
TUC IP C	05 01 05.6
KIP EP	05 01 30.0
ET	42 28.0
HON EP	05 01 34.0
EPP	03 09.0
ES	07 42.0
EL	10 34.0
WAS E(P)	05 02 22.0
CSC IP	05 02 49.0
E	02 58.0
BHP E(P)	05 05 08.0
CHK E(S)	05 07 44.0
APR 04	
H-05 10 34.4	
57.3N 149.4W	
h ABOUT 020KM	
COL IP	05 12 28.2
BCN E(P)	05 16 55.5
TUC EP	05 17 41.7
APR 04	
BCN EP	05 37 02.7
ES	37 21.2
ARP 04	
COL EP	05 38 56.0
APR 04	
SIT EP	05 55 36.0
APR 04	
BOZ EP	06 01 52.0
ES	02 32.0
APR 04	
H-06 10 30.2	
59.8N 146.1W	
h ABOUT 033KM	
COL EP	06 11 48.0
HHM E(P)	06 15 21.0

Date and Station	Phase (GCT)
	h m s
APR 04	
H-06 43 20.2	
12.5N 087.7W	
h ABOUT 041KM	
TUC EP	06 49 19.0
FGU EP	06 50 03.9
BOZ EP	06 50 41.2
APR 04	
H-06 53 25.9	
60.4N 146.0W	
h ABOUT 015KM	
COL IP	06 54 37.2
HHM EP	06 58 19.7
BUT EP	06 58 44.9
BOZ EP	06 58 51.0
FGU EP	06 59 33.2
BCN EP	06 59 50.4
E▸P	59 55.4
ALQ IP	07 00 28.0
E▸P	00 33.0
TUC EP	07 00 31.5
APR 04	
COL IP	07 10 44.6
APR 04	
COL IP	07 15 25.2
APR 04	
BOZ EP	07 36 20.0
ES	36 50.0
ARP 04	
COL IP	07 38 58.6
APR 04	
H-08 40 29.8	
56.5N 152.6W	
h ABOUT 015KM	
COL IP	08 42 36.4
HHM EP	08 45 49.9
E	49 27.9
BUT EP	08 46 13.9
ES	50 57.0
BOZ EP	08 46 17.5
I▸P	46 22.8
ES	50 16.0
EUR P	08 46 32.8
FGU IP	08 46 54.8
BCN EP	08 47 02.2
EPCP	49 50.2
ES	52 25.7
KIP EP	08 47 28.0

Date and Station	Phase	(GCT) h m s
TUC	EP	08 47 44.4
ALQ	IP	08 47 47.0
	E	48 12.0
	E(S)	53 50.0
WAS	E(P)	08 49 30.0
CSC	EP	08 49 46.0
	EPP	51 00.0
BHP	EP	08 52 05.0
SJP	E(P)	08 52 07.0
HON	ES	08 53 06.0
	EL	55 42.0
	ET	09 24 08.0
APR 04		
SIT	P	08 43 06.0
ARP 04		
SIT	EP	09 12 38.0
APR 04		
H-09 10 55.1		
56.9N 152.7W		
h ABOUT 015KM		
HHM	IP C	09 16 17.0
	EPCP	19 51.9
BUT	P	09 16 37.9
	ES	21 05.0
BOZ	EP	09 16 43.8
	I▸P	06 16 48.0
SLC	IP	09 17 12.2
FGU	IP	09 17 23.0
BCN	IP	09 17 31.5
	EPCP	20 19.4
	E▸PCP	20 28.6
KIP	IP	09 17 53.9
	EPP	19 11.0
	ES	23 36.0
	ET	54 11.0
HON	EP	09 17 55.0
	EPP	19 17.0
	ES	23 42.0
	EL	26 05.0
	ET	54 44.0
TUC	IP C	09 18 13.4
ALQ	EP	09 18 15.0
	E▸P	18 21.0
CSC	IP	09 20 09.6
	E	20 41.0
SJP	EP	09 22 25.0
	E	22 57.5
APR 04		
COL	IP	09 59 40.2
APR 04		
TUC	EP	10 36 23.5
	EL	37 12.0
BCN	EP	10 36 52.7
	EL	38 14.2
ARP 04		
COL	EP	10 38 40.0
APR 04		
H-10 37 36.2		
59.8N 150.0W		
h ABOUT 010KM		
BOZ	EP	10 43 16.0
	E	43 19.5
FGU	EP	10 43 57.5
BCN	EP	10 44 14.2
	E	44 29.7
ALQ	E(P)	10 44 51.0
	E	46 44.5
TUC	EP	10 44 55.7
APR 04		
TUC	E(P)	10 43 13.0
APR 04		
BOZ	EP	10 52 00.0
	ES	53 18.5
APR 04		
TUC	E(P)	11 05 47.0
APR 04		
H-11 10 06.6		
59.9N 149.3W		
h ABOUT 033KM		
COL	IP	11 11 22.2
APR 04		
COL	EP	11 43 42.0
APR 04		
H-12 04 49.3		
58.0N 148.9W		
h ABOUT 033KM		
BOZ	EP	12 10 18.1
	I	10 21.1
APR 04		
COL	EP	14 58 40.0
APR 04		
ALQ	E(P)	15 06 27.0
	E	07 54.0
APR 04		
H-15 08 12.3		
59.6N 146.9W		
h ABOUT 015KM		
COL	IP	15 09 33.2
BOZ	EP	15 13 39.0
BCN	EP	15 14 36.4
ALQ	IP	15 15 15.0
TUC	EP	15 15 18.7
APR 04		
TUC	EP	15 38 56.4
APR 04		
COL	IP	17 19 32.3
APR 04		
BOZ	E(P)	17 32 34.0
APR 04		
FGU	EP	17 46 05.2
	IS	46 37.7
APR 04		
H-17 46 08.6		
56.3N 154.4W		
h ABOUT 025KM		
COL	IP	17 48 19.5
SIT	E(P)	17 48 48.0
BUT	EP	17 51 57.8
	ES	56 41.0
BOZ	EP	17 52 04.0
	I▸P	52 11.6
	ES	56 00.0
SLC	E(P)	17 52 24.6
	E▸P	52 31.4
FGU	IP	17 52 42.2
BCN	IP D	17 52 48.3
	I▸P	52 56.0
	ES	58 11.3
	ESCP	59 10.8
	E	59 43.3
KIP	I(P)	17 53 09.1
HON	E(P)	17 53 10.0
	ES	58 38.0
	EL	18 02 10.0
	ET	17 29 21.0
TUC	IP D	17 53 30.6
ALQ	IP	17 53 33.0
	EPCP	55 41.0
WAS	E(P)	17 55 22.0
	ES	18 02 22.0
	E(L)	06 38.0
CSC	EP	17 55 28.0
SJP	E(P)	17 57 49.0
	E	58 10.8
BHP	I(P)	17 57 50.0
APR 04		
H-17 59 43.3		
56.4N 154.5W		
h ABOUT 025KM		
BUT	EP	18 05 31.8
BOZ	EP	18 05 38.0
SLC	EP	18 06 06.6
BCN	IP D	18 06 24.3
	I▸P	06 34.3
	ESCP	12 45.8
TUC	IP D	18 07 06.0
ALQ	IP	18 07 08.0
SJP	EP	18 11 20.0
APR 04		
H-18 15 52.4		
56.2N 154.5W		
h ABOUT 025KM		
HHM	EP	18 21 24.8
BCN	E(P)	18 22 31.3
	I	22 47.7
TUC	EP	18 23 13.0
APR 04		
GUA	EP	19 06 10.5
APR 04		
COL	EP	19 15 12.0
BOZ	EP	19 18 28.0
APR 04		
COL	EP	19 23 35.0
APR 04		
COL	IP	19 24 37.0
APR 04		
COL	IP	19 51 33.2
ALQ	E(P)	19 56 23.0
APR 04		
H-20 01 44.8		
59.5N 147.6W		
h ABOUT 033KM		
COL	IP	20 03 02.3
BOZ	EP	20 07 12.0
	I	07 14.9
	E	07 30.0
BCN	EP	20 08 07.6
	E▸P	08 16.4
ALQ	IP	20 08 48.0
	EPCP	11 10.0
	E▸PCP	11 16.0
TUC	EP	20 08 49.3
APR 04		
COL	IP	20 19 12.0
APR 04		
COL	EP	20 33 17.0
APR 04		
COL	EP	20 46 05.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	20 51 10.0
APR 04	
COL EP	20 53 36.0
APR 04	
COL EP	20 59 36.0
APR 04	
H-21 38 14.0	
10.5N 122.1E	
h ABOUT 033KM	
COL EP	21 50 25.0
ALQ EP'	21 56 56.0
APR 04	
COL EP	21 51 42.0
APR 04	
SLC EP	21 55 07.7
EL	55 34.9
FGU IP	21 55 42.3
APR 04	
COL EP	22 02 11.0
APR 04	
COL EP	22 09 20.0
APR 04	
H-22 16 54.5	
59.4N 145.2W	
h ABOUT 010KM	
COL IP	22 18 20.6
BUT EP	22 22 06.7
ES	26 39.0
BOZ EP	22 22 13.5
ES	26 45.0
SLC EP	22 22 47.2
FGU E(P)	22 22 55.2
BCN EP	22 23 11.0
ALQ EP	22 23 50.0
E(S)	30 13.0
TUC EP	22 23 53.2
CSC EP	22 25 40.0
APR 04	
HHM EP	22 21 06.9
APR 04	
COL IP	22 39 29.0
APR 04	
SLC EP	22 49 29.9
BCN EP	22 50 42.0
EL	51 17.0
APR 04	
COL EP	22 54 26.0

Date and Station	Phase (GCT)
	h m s
APR 04	
COL EP	23 10 20.0
APR 04	
COL EP	23 20 05.0
APR 04	
COL EP	23 29 03.0
APR 04	
COL EP	23 34 43.0
APR 04	
COL IP	23 39 35.1
APR 04	
COL EP	23 50 11.0
APR 05	
COL EP	00 04 04.0
APR 05	
COL EP	00 13 09.0
APR 05	
H-00 16 41.6	
58.4N 152.2W	
h ABOUT 033KM	
COL IP	00 18 21.2
APR 05	
COL IP	00 43 12.1
APR 05	
COL IP	00 51 44.2
APR 05	
COL EP	01 01 43.0
APR 05	
COL EP	01 09 52.0
APR 05	
SIT EP	01 21 47.0
COL EP	01 22 42.0
APR 05	
H-01 22 13.3	
56.2N 153.5W	
h ABOUT 025KM	
HHM EP	01 27 35.7
E	31 16.7
BUT EP	01 27 58.8
ES	32 25.0
BOZ EP	01 28 03.3
E▸P	28 10.0
FGU E(P)	01 28 39.5
I(▸P)	28 44.0
BCN EP D	01 28 48.2
I▸P	28 56.8
I	29 09.1
IPCP	31 39.7
ESCP	35 14.7

Date and Station	Phase (GCT)
	h m s
KIP EP	01 29 05.0
EPP	30 18.0
ES	34 42.0
EL	36 26.0
ET	02 05 19.0
HON E(P)	01 29 12.0
ES	34 50.0
EL	37 20.0
ET	02 05 29.0
TUC IP	01 29 30.3
I	29 42.0
EPCP	31 53.0
ALQ EP	01 29 33.0
EPCP	31 55.0
ES	35 34.0
ESCS	38 22.4
WAS E(P)	01 31 18.0
E(S)	39 26.0
E(L)	43 10.0
CSC EP	01 31 29.0
SJP EP	01 33 46.5
E	33 51.0
I▸P	33 54.4
APR 05	
TUC E(P)	01 41 22.5
APR 05	
H-01 41 45.0	
56.2N 153.3W	
h ABOUT 035KM	
COL IP	01 43 53.2
BUT E(P)	01 47 25.0
BOZ EP	01 47 33.3
SLC EP	01 48 01.3
FGU IP	01 48 11.1
ESCP	54 41.8
BCN IP D	01 48 18.7
I▸P	48 28.2
(PP)	49 42.7
EPCP	51 08.7
ESCP	54 58.7
KIP EP	01 48 34.0
ET	02 24 52.0
TUC IP	01 49 00.8
E▸P	49 10.3
CSC E(P)	01 51 06.0
SJP EP	01 53 15.5
I▸P	53 24.0
APR 05	
H-01 44 50.3	
36.4N 139.9E	
h ABOUT 067KM	
HHM EP	01 56 15.6
TUC EP	01 57 20.0

Date and Station	Phase (GCT)
	h m s
APR 05	
HHM E(P)	01 54 18.6
APR 05	
COL EP	01 56 36.0
APR 05	
BCN EP	01 58 15.6
APR 05	
COL EP	02 05 45.0
APR 05	
H-02 36 10.8	
60.1N 145.8W	
h ABOUT 015KM	
COL IP	02 37 25.9
HHM EP	02 41 03.1
BOZ EP	02 41 32.0
SLC EP	02 42 06.6
FGU EP	02 42 16.0
ALQ IP	02 43 11.0
EPCP	45 38.0
TUC EP	02 43 14.4
EPCP	45 37.5
APR 05	
HHM EP	02 45 36.7
APR 05	
COL EP	02 49 04.0
APR 05	
COL EP	02 53 48.0
APR 05	
FGU E(P)	02 55 06.0
ES	55 41.0
APR 05	
COL IP	02 58 27.3
APR 05	
COL EP	03 08 49.0
APR 05	
COL EP	03 14 51.0
APR 05	
COL IP	03 24 42.2
APR 05	
HHM EP	03 40 01.9
APR 05	
H-03 47 57.2	
56.7N 151.3W	
h ABOUT 025KM	
COL EP	03 49 58.0
FGU E(P)	03 54 16.5
TUC E(P)	03 55 06.5
ALQ E(P)	03 55 15.0
EPCP	57 27.0

Date and Station	Phase	(GCT) h m s
APR 05		
COL	EP	03 55 29.0
APR 05		
H-03 55 34.3		
59.7N 146.6W		
h ABOUT 033KM		
HHM	EP	04 00 27.6
TUC	E(P)	04 02 36.5
APR 05		
H-04 11 48.2		
59.9N 148.0W		
h ABOUT 015KM		
COL	IP	04 13 06.2
HHM	EP	04 16 51.6
ALQ	EP	04 18 57.0
	EPCP	21 19.0
APR 05		
COL	EP	04 54 45.0
APR 05		
H-04 57 15.4		
60.1N 147.7W		
h ABOUT 010KM		
COL	IP	04 58 31.0
HHM	EP	05 02 17.5
BOZ	E(P)	05 02 47.0
TUC	EP	05 04 26.3
APR 05		
COL	IP	05 23 16.0
APR 05		
H-05 30 12.6		
14.2N 091.6W		
h ABOUT 111KM		
ALQ	EP	05 35 25.0
TUC	EP	05 35 31.5
APR 05		
COL	IP	05 31 02.8
HHM	EP	05 35 23.5
APR 05		
TUC	E(P)	05 39 03.5
APR 05		
COL	IP	05 57 06.5
APR 05		
COL	EP	06 09 37.0
APR 05		
COL	EP	06 18 04.0
APR 05		
COL	EP	06 24 09.0
APR 05		
COL	EP	06 32 13.0
APR 05		
COL	EP	06 43 24.0
APR 05		
COL	EP	06 51 05.0
APR 05		
COL	EP	06 52 08.0
APR 05		
COL	EP	07 06 04.0
APR 05		
H-07 13 24.4		
56.5N 154.7W		
h ABOUT 025KM		
COL	EP	07 15 34.0
HHM	E(P)	07 18 54.5
BOZ	E(P)	07 19 19.0
FGU	EP	07 19 58.2
APR 05		
HHM	EP	07 22 23.1
APR 05		
TUC	E(P)	07 22 58.5
APR 05		
COL	EP	07 28 58.0
APR 05		
H-07 29 03.5		
60.4N 146.7W		
h ABOUT 015KM		
HHM	EP	07 34 02.5
BOZ	EP	07 34 31.0
	I	34 33.0
TUC	EP	07 36 11.7
APR 05		
COL	EP	07 38 56.0
APR 05		
H-07 44 50.6		
60.0N 144.8W		
h ABOUT 015KM		
COL	EP	07 46 08.0
HHM	EP	07 49 38.5
BOZ	EP	07 50 09.2
	E	50 16.0
APR 05		
H-08 13 12.4		
56.9N 152.0W		
h ABOUT 015KM		
COL	IP	08 15 15.6
HHM	EP	08 18 32.5
FGU	EP	08 19 37.3
BCN	EP	08 19 43.8
TUC	EP	08 20 26.3
ALQ	EP	08 20 28.0
APR 05		
COL	EP	08 13 44.0
APR 05		
COL	EP	08 50 33.0
APR 05		
ALQ	EP	08 51 28.0
	EPCP	53 39.0
APR 05		
COL	IP	08 55 43.7
APR 05		
H-08 59 02.0		
56.2N 154.5W		
h ABOUT 015KM		
COL	EP	09 01 18.0
HHM	EP	09 04 34.0
BOZ	E(P)	09 05 00.0
FGU	EP	09 05 37.4
TUC	EP	09 06 25.0
APR 05		
BOZ	EP	09 08 09.0
BUT	E(P)	09 08 24.0
	ES	08 44.0
APR 05		
TUC	EP	09 08 37.5
APR 05		
BOZ	EP	09 08 37.0
	I	09 09.9
APR 05		
COL	EP	09 36 07.0
APR 05		
COL	IP	09 53 04.5
APR 05		
COL	EP	10 02 41.0
APR 05		
COL	EP	10 10 02.0
APR 05		
COL	EP	10 16 01.0
APR 05		
H-10 22 12.1		
60.0N 149.7W		
h ABOUT 033KM		
COL	IP	10 23 26.4
APR 05		
COL	EP	10 38 53.0
HHM	EP	10 42 47.8
APR 05		
H-10 41 00.9		
25.0S 068.4W		
h ABOUT 092KM		
ALQ	IP	10 52 02.5
	E	52 29.0
TUC	EP	10 52 03.2
WAS	E(L)	11 05 38.0
APR 05		
TUC	E(P)	11 02 48.0
APR 05		
COL	EP	11 05 25.0
APR 05		
HHM	EP	11 15 13.8
APR 05		
H-11 18 38.9		
41.9S 083.7W		
h ABOUT 033KM		
TUC	EP	11 30 35.2
ALQ	IP	11 30 43.0
	E▸P	30 49.0
SLC	E(P)	11 31 10.9
FGU	EP	11 31 16.8
BOZ	EP	11 31 39.2
	E▸P	31 46.0
BUT	EP	11 31 43.5
	I▸P	31 49.7
BCN	E(P)	11 32 00.4
	E▸P	32 07.4
APR 05		
COL	EP	11 21 46.0
APR 05		
ALQ	EP	11 27 46.0
	E	27 53.0
APR 05		
COL	EP	11 34 16.0
APR 05		
COL	EP	11 44 47.0
APR 05		
COL	EP	12 04 42.0
HHM	EP	12 09 49.8
APR 05		
COL	EP	12 16 29.0
APR 05		
COL	IP	12 19 23.3
APR 05		
H-12 30 03.7		
58.9N 154.3W		
h ABOUT 010KM		
COL	EP	12 31 46.0

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	12 36 00.0
APR 05	
COL IP	12 44 14.2
APR 05	
H-12 59 15.1	
61.4N 147.2W	
h ABOUT 033KM	
COL IP	13 00 09.5
APR 05	
COL EP	13 28 28.0
APR 05	
H-13 30 55.4	
56.3N 150.5W	
h ABOUT 033KM	
COL EP	13 33 00.0
APR 05	
COL EP	13 40 48.0
APR 05	
HHM EP	13 47 34.2
APR 05	
H-13 48 47.3	
60.2N 145.6W	
h ABOUT 015KM	
HHM EP	13 53 37.9
APR 05	
TUC E(P)	14 02 05.5
APR 05	
COL IP	14 01 18.4
APR 05	
COL EP	14 13 50.0
APR 05	
COL IP	14 40 51.7
APR 05	
HHM EP	15 13 08.8
APR 05	
COL IP	15 18 44.3
APR 05	
H-15 21 47.0	
60.7N 149.1W	
h ABOUT 033KM	
COL IP	15 22 52.1
HHM EP	15 26 54.4
BOZ E(P)	15 27 29.0
APR 05	
COL EP	15 30 55.0
APR 05	
H-15 49 30.2	
56.0N 154.3W	
h ABOUT 025KM	
COL EP	15 51 50.0

Date and Station	Phase (GCT)
	h m s
HHM EP	15 54 57.4
APR 05	
TUC EP	15 55 39.0
I	56 49.2
APR 05	
COL IP	15 56 12.2
APR 05	
COL EP	16 05 05.0
APR 05	
SJP EP	16 11 36.5
E	11 58.8
APR 05	
COL EP	16 09 49.0
APR 05	
COL EP	16 18 42.0
APR 05	
COL EP	16 32 09.0
APR 05	
COL EP	16 37 06.0
APR 05	
H-16 49 04.0	
58.7N 151.7W	
h ABOUT 020KM	
COL IP	16 50 40.3
HHM EP	16 54 21.9
BOZ EP	16 54 49.2
APR 05	
COL EP	16 58 21.0
APR 05	
COL EP	17 02 08.0
APR 05	
COL IP	17 03 45.3
APR 05	
H-17 16 10.2	
55.9N 149.9W	
h ABOUT 033KM	
COL EP	17 18 20.0
APR 05	
COL EP	17 40 28.0
APR 05	
H-17 40 43.1	
56.3N 152.9W	
h ABOUT 010KM	
HHM EP	17 46 06.6
BUT EP	17 46 25.8
E	47 17.8
BOZ EP	17 46 33.0
EUR IP	17 46 50.1
SLC I(P)	17 47 58.9

Date and Station	Phase (GCT)
	h m s
TUC EP	17 48 01.7
BCN EP	17 48 22.7
EPCP	51 20.7
ALQ I(P)	17 49 02.0
E	51 33.0
TUC E(P)	17 49 05.4
KIP ET	18 24 13.0
APR 05	
H-17 42 07.4	
59.6N 144.9W	
h ABOUT 015KM	
SIT E(P)	17 43 27.0
HHM IP	17 46 52.3
BOZ EP	17 47 24.0
I▸P	47 29.9
EPCP	51 05.0
E▸PCP	51 09.9
WAS E(S)	18 06 10.0
KIP ET	18 30 53.0
APR 05	
TUC EP	17 51 34.4
APR 05	
COL EP	18 14 33.0
APR 05	
COL EP	18 31 51.0
APR 05	
COL EP	18 39 00.0
APR 05	
COL EP	18 48 50.0
APR 05	
COL EP	19 03 42.0
APR 05	
HHM EP	19 18 17.3
APR 05	
COL IP	19 24 19.7
APR 05	
H-19 28 18.1	
60.2N 146.7W	
h ABOUT 015KM	
COL EP	19 29 31.4
SIT EP	19 29 56.0
HHM IP C	19 33 15.5
IS	37 15.5
BUT EP	19 33 39.8
ES	38 13.0

Date and Station	Phase (GCT)
	h m s
BOZ IP	19 33 46.0
I▸P	33 52.2
I	35 42.0
IPCP	37 18.0
I▸CP	37 22.0
ES	38 16.0
EL	42 32.0
UKI EP	19 33 53.4
EUR IP	19 34 13.8
SLC IP	19 34 19.7
FGU IP	19 34 28.0
BCN IP C	19 34 44.3
I▸P	34 [illegible]9.5
EPCP	37 39.5
ALQ EP	19 35 23.0
ES	18 41 34.0
TUC IP	19 35 26.7
EPCP	37 46.5
E▸PCP	37 53.0
KIP IP	19 35 51.1
ET	20 16 52.0
WAS E(P)	19 36 52.0
E(L)	52 38.0
CSC IP	19 37 12.0
I	37 35.0
HON E(PP)	19 38 53.0
E	42 08.0
EL	46 18.0
APR 05	
COL EP	19 42 41.0
APR 05	
H-19 50 41.3	
57.0N 152.3W	
h ABOUT 020KM	
COL EP	19 52 44.0
HHM E(P)	19 56 05.3
APR 05	
COL EP	20 46 27.0
APR 05	
COL EP	21 05 [illegible]5.0
APR 05	
H-21 26 32.1	
60.6N 145.6W	
h ABOUT 020KM	
SIT EP	21 28 04.8
BOZ EP	21 31 54.0
EUR EP	21 32 24.2
APR 05	
COL EP	21 27 24.0
APR 05	
SLC EP	21 31 47.9

Date and Station	Phase	Phase (GCT)
		h m s
FGU	E(P)	21 32 19.1
	I	32 20.7
APR 05		
COL	EP	21 43 03.0
APR 05		
EUR	IP	22 17 19.0
APR 05		
HHM	EP	22 21 41.7
APR 05		
H-22 22 45.0		
28.1S 178.2W		
h ABOUT 031KM		
TUC	EP	22 35 37.2
APR 05		
BCN	E(P)	22 45 32.4
	EL	46 03.9
APR 05		
ALQ	E(P)	22 49 23.0
APR 05		
HHM	EP	23 46 35.2
APR 06		
BOZ	EP	00 15 24.4
APR 06		
H-01 22 44.2		
23.4S 180.0E		
h ABOUT 568KM		
TUC	EP	01 34 28.2
FGU	E(P)	01 34 51.7
APR 06		
H-01 51 48.6		
59.4N 146.8W		
h ABOUT 015KM		
COL	EP	01 53 13.0
BUT	EP	01 57 07.0
EUR	EP	01 57 39.6
TUC	EP	01 58 52.0
APR 06		
BOZ	EP	01 54 13.0
APR 06		
COL	EP	04 10 45.0
APR 06		
COL	EP	04 19 01.0
APR 06		
COL	EP	04 47 25.0
APR 06		
H-04 57 32.4		
56.8N 151.5W		
h ABOUT 033KM		
COL	EP	04 59 32.0
APR 06		
TUC	E(P)	05 10 30.0
APR 06		
COL	EP	05 32 20.0
APR 06		
COL	IP	06 40 54.2
APR 06		
COL	EP	07 17 50.0
APR 06		
EUR	EP	07 24 13.4
APR 06		
BOZ	E(P)	07 24 10.0
BUT	EP	07 24 14.0
APR 06		
COL	EP	07 42 20.0
APR 06		
H-08 21 24.8		
57.4N 152.3W		
h ABOUT 005KM		
COL	E(P)	08 23 16.2
BUT	EP	08 27 07.2
BOZ	EP	08 27 13.0
	E	27 18.0
EUR	IP	08 27 32.5
BCN	EP	08 28 01.9
RCD	IP	08 28 04.0
ALQ	EP	08 28 44.0
	E(S)	34 47.0
FGU	E(P)	08 28 52.7
APR 06		
H-09 03 12.9		
59.5N 145.3W		
h ABOUT 015KM		
COL	IP	09 04 36.8
BUT	EP	09 08 25.2
BOZ	EP	09 08 32.0
EUR	EP	09 08 59.1
APR 06		
BOZ	EP	09 09 01.0
APR 06		
H-09 16 34.4		
46.8N 152.6E		
h ABOUT 030KM		
COL	EP	09 23 38.0
BOZ	EP	09 26 53.2
	E	27 07.5
EUR	EP	09 27 03.9
APR 06		
H-09 29 31.6		
59.7N 146.6W		
h ABOUT 033KM		
COL	EP	09 30 50.0
APR 06		
FGU	E(P)	10 28 31.9
APR 06		
H-10 42 36.3		
59.9N 145.6W		
h ABOUT 015KM		
COL	EP	10 43 52.0
SIT	IP	10 44 05.0
BUT	EP	10 47 50.7
BOZ	EP	10 47 57.0
	I	47 58.9
	E(S)	52 20.0
EUR	IP	10 48 25.0
FGU	EP	10 48 38.9
RCD	E(P)	10 48 46.0
BCN	EP	10 48 57.0
	E	49 36.5
ALQ	EP	10 49 34.0
	E	49 49.0
TUC	EP	10 49 38.5
APR 06		
BCN	I(P)	10 51 00.5
APR 06		
H-10 56 29.2		
59.8N 147.9W		
h ABOUT 033KM		
COL	EP	10 57 44.0
TUC	EP	11 03 37.7
APR 06		
BCN	E(P)	11 03 54.5
	EL	04 50.5
APR 06		
TUC	EP	10 58 29.0
APR 06		
EUR	EP	11 04 59.1
APR 06		
COL	EP	11 27 20.0
APR 06		
H-12 07 54.0		
58.2N 150.6W		
h ABOUT 020KM		
COL	EP	12 09 35.0
APR 06		
COL	EP	12 22 51.0
APR 06		
EUR	EP	13 11 48.2
APR 06		
BOZ	E(P)	13 34 28.0
APR 06		
H-13 45 10.5		
52.5N 173.9W		
h ABOUT 115KM		
COL	EP	13 49 13.0
BOZ	EP	13 52 37.0
EUR	EP	13 52 46.2
FGU	EP	13 53 09.0
	E	53 34.5
BCN	EP	13 53 09.3
	E	53 33.6
TUC	EP	13 53 46.6
ALQ	EP	13 53 54.0
	I>P	54 18.0
	IsP	54 34.0
	IPCP	55 13.0
	I>PCP	55 40.5
APR 06		
BOZ	EP	13 58 16.8
APR 06		
H-14 50 57.3		
56.7N 152.1W		
h ABOUT 033KM		
COL	EP	14 52 59.3
APR 06		
H-15 01 32.0		
58.1N 154.4W		
h ABOUT 033KM		
COL	EP	15 03 22.0
APR 06		
H-15 12 28.7		
21.8S 068.8W		
h ABOUT 114KM		
EUR	EP	15 24 00.8
APR 06		
H-15 29 05.3		
60.4N 146.5W		
h ABOUT 033KM		
COL	EP	15 30 14.0
APR 06		
TUC	EP	15 44 04.0
APR 06		
COL	IP	15 47 01.3
APR 06		
H-16 07 48.3		
05.4N 075.8W		
h ABOUT 054KM		
BHP	IP	16 09 04.5

Date and Station	Phase (GCT) h m s
TUC EP	16 15 38.7
EUR EP	16 16 33.3
BOZ EP	16 16 44.0
E	16 52.5
APR 06	
H-16 10 52.2	
45.2N 150.9E	
h ABOUT 033KM	
COL IP C	16 18 10.0
HHM EP	16 21 04.1
BOZ EP	16 21 23.7
EUR IP	16 21 33.2
TUC EP	16 22 20.8
APR 06	
TUC E(P)	16 13 16.2
APR 06	
COL IP	16 25 55.4
APR 06	
TUC IP	16 47 06.8
IL	47 26.5
ALQ IP	16 47 38.2
ES	48 17.5
APR 06	
H-16 50 42.3	
57.5N 154.8W	
h ABOUT 033KM	
COL EP	16 52 41.0
BOZ EP	16 56 35.0
APR 06	
COL EP	16 59 09.0
APR 06	
COL IP	17 01 26.2
APR 06	
COL IP	17 11 13.4
APR 06	
H-17 35 50.6	
59.9N 147.8W	
h ABOUT 015KM	
COL I(P)	17 37 07.0
HHM IP	17 40 52.6
BUT EP	17 41 16.0
E(S)	45 14.0
BOZ IP	17 41 22.0
EUR IP	17 41 48.4
BCN EP	17 42 19.3

Date and Station	Phase (GCT) h m s
ALQ IP	17 42 58.0
EPCP	45 21.0
E▸PCP	45 27.0
EL	53 08.7
TUC IP	17 43 01.5
EPCP	45 21.5
APR 06	
BOZ EP	17 41 06.4
APR 06	
H-18 03 56.4	
56.4N 151.8W	
h ABOUT 020KM	
COL IP	18 06 04.3
HHM EP	18 09 13.1
E	15 14.0
BOZ EP	18 09 38.9
EUR EP	18 09 55.5
BCN E(P)	18 10 24.1
TUC EP	18 11 07.0
WAS E(L)	18 33 36.0
E	35 18.0
APR 06	
COL EP	18 28 08.0
APR 06	
H-18 59 11.9	
60.0N 147.1W	
h ABOUT 033KM	
COL EP	19 00 25.0
HHM E(P)	19 04 07.0
APR 06	
COL EP	19 24 06.0
APR 06	
COL IP	19 28 22.7
APR 06	
H-19 40 44.5	
56.0N 153.9W	
h ABOUT 025KM	
COL I(P)	19 43 04.5
EUR IP	19 46 52.2
TUC EP	19 48 02.7
APR 06	
TUC EP	19 46 19.6
APR 06	
COL IP	20 23 59.7
BOZ E(P)	20 27 49.0
APR 06	
COL IP	20 43 20.0
APR 06	
COL EP	20 50 07.0

Date and Station	Phase (GCT) h m s
APR 06	
COL IP	20 54 01.8
APR 06	
COL EP	21 01 38.0
APR 06	
FGU IP	21 13 31.2
APR 06	
SLC E(P)	22 00 46.1
APR 06	
ALQ EP	22 19 31.2
E(S)	20 01.0
IL	20 07.2
TUC E(P)	22 19 58.4
EL	20 42.0
APR 06	
TUC E(P)	22 47 21.0
EUR EP	22 47 23.5
ALQ EP	22 47 42.5
BOZ EP	22 47 50.3
BUT EP	22 47 58.0
APR 06	
H-22 57 53.3	
57.1N 153.3W	
h ABOUT 015KM	
COL IP	22 59 53.2
APR 06	
TUC E(P)	22 59 26.2
APR 06	
FGU EP	23 02 52.3
APR 06	
BOZ E(P)	23 15 20.0
APR 06	
H-23 43 01.7	
5.1S 154.0E	
h ABOUT 116KM	
GUA EP	23 47 33.6
I	47 55.0
COL IP	23 55 08.3
EUR IP	23 56 05.8
APR 07	
COL EP	00 01 31.0
APR 07	
BOZ EP	00 08 46.0
APR 07	
COL EP	00 41 09.0
APR 07	
COL IP	01 26 55.7
HHM EP	01 30 41.0
BOZ EP	01 31 10.6

Date and Station	Phase (GCT) h m s
FGU EP	01 31 35.2
APR 07	
H-01 43 28.7	
58.5N 154.5W	
h ABOUT 030KM	
HHM E(P)	01 48 48.5
E(S)	52 28.0
BUT EP	01 49 19.3
BOZ EP	01 49 26.0
EL	56 17.0
EUR EP	01 49 46.3
E(PCP)	52 41.9
FGU EP	01 50 04.6
BCN EP	01 50 16.0
EPCP	52 51.5
RCD EP	01 50 17.0
TUC IP	01 50 57.3
I	51 13.6
ALQ EP	01 50 58.0
EPCP	53 06.0
E▸CP	53 15.0
E(SCP)	56 54.0
CSC EP	01 52 45.0
SJP EP	01 55 00.7
E	55 13.0
APR 07	
EUR EP	01 56 24.6
APR 07	
H-03 17 43.4	
59.6N 145.5W	
h ABOUT 015KM	
COL EP	03 19 06.0
HHM EP	03 22 33.0
BOZ EP	03 23 04.5
TUC EP	03 24 43.0
APR 07	
SJP EP	03 39 51.6
ES	40 10.0
APR 07	
H-03 53 57.2	
61.1N 148.7W	
h ABOUT 033KM	
COL IP	03 54 55.0
HHM EP	03 59 03.0
EUR EP	04 00 01.2
TUC EP	04 01 13.6
APR 07	
HHM EP	04 04 13.0

Date and Station	Phase	Phase (GCT) h m s
APR 07		
H-04 35 18.6		
58.3N 149.7W		
h ABOUT 015KM		
COL	IP	04 36 58.2
HHM	EP	04 40 26.0
	E(S)	44 13.0
BUT	EP	04 40 47.7
BOZ	EP	04 40 54.5
	E	40 57.0
	E	44 20.5
EUR	EP	04 41 16.8
RCD	EP	04 41 45.0
TUC	EP	04 42 29.1
	EPCP	44 49.2
APR 07		
H-04 54 42.0		
58.1N 157.4W		
h ABOUT 033KM		
COL	IP	04 56 46.5
HHM	E(P)	05 00 25.0
BUT	EP	05 00 46.0
BOZ	EP	05 00 51.9
EUR	EP	05 01 11.7
FGU	E(P)	05 01 30.9
TUC	E(P)	05 02 22.5
APR 07		
ALQ	E(P)	05 02 55.0
	E	07 58.0
APR 07		
EUR	EP	05 07 27.0
FGU	EP	05 07 34.1
APR 07		
H-05 34 55.7		
60.0N 146.7W		
h ABOUT 020KM		
COL	EP	05 36 10.0
HHM	EP	05 39 50.0
BOZ	EP	05 40 21.0
EUR	EP	05 40 51.0
TUC	EP	05 42 03.8
APR 07		
H-06 01 59.7		
60.0N 145.7W		
h ABOUT 033KM		
COL	EP	06 03 14.0
HHM	EP	06 06 50.0
EUR	EP	06 07 46.5
TUC	EP	06 09 00.0
APR 07		
H-08 03 13.7		
58.2N 152.2W		
h ABOUT 030KM		
COL	IP	08 04 56.3
BOZ	EP	08 08 58.6
EUR	EP	08 09 19.5
FGU	I(P)	08 09 48.8
RCD	EP	08 09 49.0
TUC	EP	08 10 31.3
APR 07		
H-08 10 48.1		
60.0N 146.9W		
h ABOUT 033KM		
COL	IP	08 12 01.6
BOZ	EP	08 16 13.2
	E	16 45.5
APR 07		
COL	EP	08 19 16.0
APR 07		
H-08 57 08.2		
12.2S 167.1E		
h ABOUT 260KM		
COL	IP	09 09 09.4
BCN	EP	09 09 28.8
	E>P	10 31.3
EUR	IP	09 09 29.7
TUC	EP	09 09 39.6
BOZ	EP	09 09 51.2
	E>P	10 53.0
TUC	E(P)	09 10 42.5
APR 07		
COL	E(P)	09 16 28.2
BOZ	EP	09 21 21.0
APR 07		
COL	IP	09 49 18.3
APR 07		
BOZ	EP	10 21 51.0
APR 07		
H-10 41 29.3		
17.9N 068.0W		
h ABOUT 098KM		
SJP	IP	10 42 00.6
	IS	42 24.0
BOZ	EP	10 49 40.2
APR 07		
BCN	EP	11 05 58.1
EUR	EP	11 06 00.8
BOZ	EP	11 06 34.5
APR 07		
TUC	EP	12 57 25.2
APR 07		
BCN	IP C	13 06 46.5
APR 07		
H-13 18 18.9		
00.1N 123.2E		
h ABOUT 150KM		
GUA	E(P)	13 23 34.1
KIP	I(P)	13 30 18.0
HON	I(P)	13 30 18.4
HHM	EP'	13 36 36.0
	EPP	37 16.0
BUT	EP'	13 36 41.0
BOZ	EP'C	13 36 41.9
	EPP	37 27.0
EUR	IP'	13 36 42.2
SLC	IP'	13 36 46.3
BCN	IP'C	13 36 46.5
	EPKKP	47 20.5
	E	50 29.5
FGU	IP'	13 36 49.1
RCD	EP'	13 36 54.0
TUC	IP'C	13 36 54.3
ALQ	IP'	13 36 59.0
	E	37 32.0
	E	37 43.0
WAS	EP'	13 37 27.0
CSC	EP'	13 37 33.0
APR 07		
HHM	EP	13 32 39.8
BOZ	EP	13 32 49.5
EUR	EP	13 32 49.6
APR 07		
SJP	IP D	13 38 40.4
	E	39 24.0
APR 07		
TUC	EP	13 47 03.5
BCN	E(P)	13 47 20.5
APR 07		
BOZ	EP	13 47 24.5
	E	47 32.0
EUR	EP	13 47 27.5
APR 07		
BUT	E(P)	13 51 36.0
	E	51 41.2
APR 07		
H-14 22 30.1		
06.8S 155.1E		
h ABOUT 035KM		
EUR	EP	14 35 43.6
APR 07		
COL	EP	14 33 02.0
APR 07		
TUC	E(P)	14 57 14.4
APR 07		
COL	EP	15 13 30.0
APR 07		
COL	EP	15 25 09.0
APR 07		
H-15 31 22.5		
45.0N 111.6W		
h ABOUT 033KM		
BOZ	IP	15 31 32.9
	I(S)	31 40.0
BZM	EP	15 31 36.2
	ES	31 47.8
BUT	IP	15 31 44.5
	IL	32 01.5
HHM	EP	15 32 19.5
	I	32 29.5
	EL	33 17.0
FGU	EP	15 32 31.7
EUR	E(P)	15 33 02.3
APR 07		
EUR	EP	15 32 02.3
APR 07		
HHM	EP	15 50 00.0
	E(S)	50 09.0
BOZ	EP	15 50 34.0
	E(S)	51 07.0
APR 07		
COL	IP	16 12 49.5
EUR	EP	16 17 39.0
APR 07		
H-16 19 58.8		
60.7N 148.0W		
h ABOUT 033KM		
COL	EP	16 21 02.0
BOZ	EP	16 25 36.0

Date and Station	Phase (GCT)
	h m s
APR 07	
H-16 28 38.2	
59.6N 145.0W	
h ABOUT 033KM	
HHM EP	16 33 22.0
BOZ EP	16 33 53.5
APR 07	
TUC IP	17 01 50.2
E	02 10.0
ALQ EP	17 02 22.2
ES	03 02.3
APR 07	
COL EP	17 16 36.0
APR 07	
BHP IP	17 16 55.0
IS	17 27.0
APR 07	
H-17 50 09.4	
2.2N 083.2W	
h ABOUT 033KM	
BHP IP	17 52 03.0
ALQ E(P)	17 57 27.0
APR 07	
H-18 02 24.7	
57.3N 151.1W	
h ABOUT 020KM	
COL IP	18 04 17.5
BOZ EP	18 08 05.2
E	08 09.0
EUR IP	18 08 23.8
FGU EP	18 08 44.1
BCN EP	18 08 53.9
E▸P	09 00.9
TUC EP	18 09 36.7
EL	18 21.0
ALQ EP	18 09 37.0
EPCP	12 03.0
ES	15 42.0
APR 07	
H-18 10 29.6	
60.1N 147.2W	
h ABOUT 033KM	
COL IP	18 11 41.6
SIT E(P)	18 12 15.0
APR 07	
H-18 17 08.6	
57.0N 153.4W	
h ABOUT 033KM	
COL IP	18 19 09.3
APR 07	
COL EP	18 34 10.0

Date and Station	Phase (GCT)
	h m s
SIT EP	18 36 19.6
E	36 25.6
APR 07	
H-19 09 04.7	
38.6N 118.7W	
h ABOUT 015KM	
EUR IP	19 09 42.4
IS	10 08.0
IL	10 17.0
BCN E(P)	19 10 20.7
ES	11 03.2
EL	11 15.0
APR 07	
H-19 28 24.7	
55.7N 151.9W	
h ABOUT 020KM	
SIT IP	19 30 37.0
COL EP	19 30 41.0
HHM IP	19 33 41.5
UKI EP	19 33 52.0
BOZ IP D	19 34 07.8
I(▸P)	34 17.0
I	37 27.5
EL	41 06.9
I	41 15.0
EUR EP	19 34 23.5
SLC EP	19 34 34.0
FGU IP	19 34 46.0
BCN IP D	19 34 52.2
I(▸P)	35 01.3
EPCP	37 40.7
RCD IP	19 35 00.0
I▸P	35 09.0
TUC IP D	19 35 34.9
EPCP	37 53.5
EL	45 00.0
ALQ IP	19 35 37.1
E	38 56.0
E(S)	17 41 42.0
CSC EP	19 37 35.0
SJP EP	19 39 52.0
E(▸P)	40 01.3
APR 07	
EUR EP	19 37 31.6
APR 07	
HHM EP	19 46 09.0
APR 07	
COL IP	19 54 31.2
APR 07	
COL EP	20 43 03.0

Date and Station	Phase (GCT)
	h m s
APR 07	
ALQ EP	21 20 04.0
APR 07	
COL EP	21 44 56.0
APR 07	
EUR EP	21 52 34.1
APR 07	
FGU EP	22 16 17.2
IS	16 35.6
APR 07	
COL EP	22 26 02.0
APR 07	
SLC EP	22 45 21.4
FGU IP	22 45 54.2
APR 07	
HHM EP	22 49 14.0
APR 07	
TUC E(P)	22 54 01.0
IL	54 34.5
APR 07	
COL EP	22 58 12.0
APR 07	
COL IP	23 08 18.5
APR 07	
BOZ EP	23 14 49.6
E	14 53.0
EUR EP	23 16 19.7
APR 07	
COL IP	23 22 31.0
APR 07	
COL IP	23 23 22.5
APR 07	
H-23 25 40.7	
51.4N 168.5W	
h ABOUT 050KM	
EUR IP	23 32 55.1
TUC EP	23 33 58.0
APR 08	
H-00 13 18.7	
56.2N 149.4W	
h ABOUT 033KM	
COL EP	00 15 25.0
HHM EP	00 18 21.0
EUR IP	00 19 04.2
TUC E(P)	00 20 16.5
ALQ E(P)	00 20 19.0
APR 08	
H-00 36 21.2	
57.2N 152.6W	
h ABOUT 020KM	

Date and Station	Phase (GCT)
	h m s
COL EP	00 38 20.0
HHM EP	00 41 42.4
E▸P	41 49.0
E(PCP)	45 16.0
BUT EP	00 42 02.3
E▸P	42 10.3
EUR IP	00 42 26.8
FGU IP	00 42 48.0
RCD EP	00 43 01.0
TUC EP	00 43 38.0
ALQ E(P)	00 43 40.0
EPCP	45 52.0
APR 08	
COL EP	01 42 55.0
APR 08	
GUA E(P)	01 46 01.5
ES	46 24.0
APR 08	
ALQ E(P)	01 55 54.0
APR 08	
H-02 04 06.5	
46.1N 152.8E	
h ABOUT 040KM	
COL IP	02 11 1[illegible].3
HHM EP	02 14 06.9
BUT EP	02 14 21.3
BOZ EP	02 14 27.0
I▸P	14 39.2
EUR IP	02 14 36.1
SLC EP	02 14 46.4
BCN EP	02 14 55.0
E	15 03.0
I	15 12.0
FGU EP	02 14 55.3
RCD EP	02 15 04.0
TUC EP	02 15 25.0
E▸P	15 37.2
ALQ IP	02 15 31.4
I▸P	15 43.0
APR 08	
COL EP	02 06 55.0
APR 08	
H-02 10 36.1	
46.1N 152.8E	
h ABOUT 040KM	
COL EP	02 17 41.0
BOZ EP	02 20 5[illegible].0

Date and Station	Phase	(GCT)
		h m s
EUR	EP	02 21 05.3
APR 08		
BOZ	EP	03 01 38.5
APR 08		
BOZ	EP	03 17 22.5
APR 08		
COL	EP	03 27 05.0
APR 08		
BHP	IP	03 31 30.0
	IS	31 05.0
APR 08		
H-03 38 56.1		
16.0N 094.9W		
h ABOUT 033KM		
ALQ	IP	03 43 44.2
TUC	EP	03 43 45.0
	EL	49 20.0
BCN	EP	03 44 34.1
FGU	EP	03 44 45.1
EUR	EP	03 45 02.1
BOZ	EP	03 45 28.0
APR 08		
COL	EP	03 39 34.0
APR 08		
COL	EP	03 54 05.0
APR 08		
H-04 00 01.1		
60.0N 149.5W		
h ABOUT 033KM		
COL	IP	04 01 16.6
APR 08		
H-04 35 18.0		
59.4N 147.6W		
h ABOUT 033KM		
COL	IP	04 36 40.3
HHM	EP	04 40 15.0
BOZ	EP	04 40 46.0
	E	40 50.0
APR 08		
BOZ	EP	04 53 50.0
APR 08		
COL	IP	05 11 05.0
HHM	E(P)	05 14 44.0
	E	14 50.0
APR 08		
BUT	E(P)	05 38 01.2
	E	38 07.2
APR 08		
BOZ	EP	06 04 39.0

Date and Station	Phase	(GCT)
		h m s
APR 08		
COL	IP	06 37 25.7
APR 08		
H-06 45 38.4		
38.4N 141.2E		
h ABOUT 033KM		
EUR	EP	06 57 18.5
APR 08		
COL	EP	06 46 15.0
APR 08		
BOZ	EP	06 56 44.0
APR 08		
BHP	IP	07 56 50.5
	IS	57 24.0
APR 08		
FGU	E(P)	08 02 39.0
APR 08		
H-08 08 11.8		
06.8S 068.9E		
h ABOUT 033KM		
BOZ	EP'	08 27 38.0
	I	27 43.0
	I	27 50.0
FGU	IP'	08 27 50.2
UKI	EP'	08 27 50.6
SLC	EP'	08 27 52.9
EUR	IP'	08 27 54.0
BHP	IP'	08 27 58.0
BCN	EP'	08 28 00.0
	I	28 03.4
ALQ	IP'	08 28 00.0
	E▸P'	28 08.0
	EPP	31 40.0
TUC	EP'	08 28 03.6
	I▸P'	28 12.4
APR 08		
COL	EP	08 20 40.0
APR 08		
HHM	E(P)	08 30 14.9
	E	30 25.9
BUT	EP	08 30 39.2
APR 08		
SIT	E(P)	08 36 45.0
APR 08		
H-09 43 50.8		
60.3N 146.8W		
h ABOUT 005KM		
COL	EP	09 45 04.0
EUR	EP	09 49 47.6
TUC	EP	09 51 00.6

Date and Station	Phase	(GCT)
		h m s
APR 08		
EUR	EP	09 52 29.6
APR 08		
H-09 54 16.6		
60.5N 141.0W		
h ABOUT 020KM		
SIT	IP	09 55 23.0
COL	EP	09 55 38.0
HHM	EP	09 58 47.9
BUT	E(P)	09 59 11.0
BOZ	EP	09 59 22.5
EUR	EP	09 59 51.9
TUC	EP	10 01 05.0
APR 08		
COL	EP	10 52 35.0
APR 08		
H-10 58 09.1		
45.8N 150.8E		
h ABOUT 040KM		
COL	IP	11 05 24.3
SIT	EP	11 06 26.0
	EL	13 06.0
HON	E(P)	11 07 00.0
	E	09 20.0
	IS	13 48.0
	E	09 17 16.0
	EL	18 00.0
KIP	E(P)	11 07 00.0
	IS	13 46.0
	EL	18 00.0
HHM	EP C	11 08 18.9
	I▸P	08 29.9
UKI	E(P)	11 08 20.0
BUT	EP	11 08 32.7
	IL	17 24.2
BOZ	IP	11 08 38.3
	I▸P	08 50.3
	EL	17 00.0
EUR	IP	11 08 47.6
	IL	17 51.7
SLC	EP	11 08 57.9
FGU	EP	11 09 05.8
BCN	IP	11 09 06.5
	EL	17 32.0
RCD	IP	11 09 14.0
	I▸P	09 28.0
TUC	IP C	11 09 36.3
	EL	19 00.0
ALQ	IP	11 09 41.2

Date and Station	Phase	(GCT)
		h m s
WAS	IP	11 10 45.0
CSC	IP	11 11 00.0
APR 08		
COL	EP	11 09 59.0
APR 08		
SJP	E(P)	11 17 44.0
	E	20 52.0
APR 08		
COL	EP	11 23 56.0
APR 08		
COL	EP	11 59 05.0
APR 08		
COL	IP	12 25 06.7
APR 08		
BOZ	EP	13 03 54.8
APR 08		
SIT	E(P)	13 06 21.2
	EL	07 03.0
APR 08		
HHM	EP	13 09 39.9
BOZ	EP	13 10 11.5
EUR	EP	13 10 39.4
APR 08		
COL	IP	13 57 42.2
APR 08		
BOZ	E(P)	14 04 09.0
APR 08		
H-14 12 29.5		
35.1N 024.3E		
h ABOUT 071KM		
SJP	EP	14 24 32.5
COL	IP	14 24 34.3
HHM	IP	14 25 18.4
	I	25 24.9
BOZ	EP	14 25 25.0
FGU	IP	14 25 37.9
RCD	E(P)	14 25 14.0
EUR	EP	14 25 56.9
APR 08		
COL	IP	14 21 24.3
APR 08		
COL	EP	14 33 03.0
APR 08		
COL	EP	15 13 48.0
APR 08		
COL	EP	15 20 04.0
APR 08		
TUC	EP	15 41 01.4

Date and Station	Phase (GCT)
	h m s
APR 08	
COL EP	16 38 40.0
APR 08	
ALQ E(P)	16 46 04.0
E(S)	46 44.0
APR 08	
H-16 46 38.1	
60.3N 147.8W	
h ABOUT 033KM	
COL EP	16 47 46.0
HHM EP	16 51 35.9
TUC E(P)	16 53 48.0
APR 08	
BOZ E(P)	16 50 03.0
APR 08	
BOZ EP	16 57 14.5
APR 08	
COL IP	17 00 47.5
APR 08	
FGU IP	17 12 20.5
I(S)	12 31.0
APR 08	
COL IP	17 27 01.9
APR 08	
H-17 32 26.7	
59.7N 146.2W	
h ABOUT 033KM	
COL EP	17 33 45.0
HHM EP	17 37 16.9
APR 08	
COL IP	17 44 05.1
EUR EP	17 46 24.6
APR 08	
COL EP	17 57 50.0
BOZ EP	18 03 19.0
APR 08	
TUC E(P)	18 24 47.5
APR 08	
H-18 58 50.5	
56.9N 149.9W	
h ABOUT 035KM	
COL E(P)	19 00 34.0
HHM EP	19 03 53.9
BUT E(P)	19 04 05.7
BOZ EP	19 04 22.0
E	04 24.0
EUR IP	19 04 41.8
BCN EP	19 05 10.6
TUC EP	19 05 53.6
ALQ IP	19 05 54.0
EPCP	08 23.0
APR 08	
BCN IP C	19 08 25.1
IS	08 37.3
APR 08	
FGU IP	19 12 29.1
IS	12 49.1
APR 08	
H-19 33 19.0	
59.6N 147.0W	
h ABOUT 015KM	
COL IP	19 34 40.4
HHM EP C	19 38 14.9
ES	42 21.9
BUT EP	19 38 39.2
ES	42 58.0
BOZ EP C	19 38 46.0
I	38 53.0
ES	43 20.0
UKI EP	19 38 47.0
EUR IP	19 39 12.7
SLC IP	19 39 18.8
FGU EP	19 39 27.4
BCN EP	19 39 45.3
EPP	39 49.3
EPCP	42 37.7
ALQ IP	19 40 22.5
EPCP	43 48.0
E(S)	46 35.0
TUC EP	19 40 25.0
EL	46 12.0
HON E(S)	19 47 20.0
EL	49 58.0
WAS E(S)	19 51 23.0
E	58 05.0
E	20 14 35.0
APR 08	
H-19 50 16.8	
60.4N 145.9W	
h ABOUT 010KM	
COL EP	19 51 25.0
HHM EP D	19 55 11.9
BUT EP	19 55 35.7
EL	20 01 20.0
BOZ EP	19 55 41.9
UKI EP	19 55 46.6
EUR IP	19 56 07.4
SLC IP	19 56 15.8
FGU I(P)	19 56 24.3
BCN EP	19 56 41.2
EPCP	59 43.0
ESCP	20 03 16.2
ALQ IP	19 57 20.0
E	57 57.0
TUC EP D	19 57 23.0
WAS E(L)	20 14 35.0
APR 08	
EUR IP	20 03 04.7
APR 08	
COL EP	20 19 42.0
APR 08	
COL IP	20 25 25.7
APR 08	
EUR EP	20 40 05.9
APR 08	
H-20 49 53.1	
59.3N 148.6W	
h ABOUT 033KM	
COL IP	20 51 16.7
HHM EP	20 54 54.9
BOZ EP	20 55 22.5
APR 08	
HHM IP	21 08 03.7
IL	08 09.9
APR 08	
COL EP	21 11 34.0
APR 08	
HHM EP	21 52 23.9
APR 08	
SJP IP D	22 13 48.3
IS	14 05.5
APR 08	
COL IP	22 14 54.9
APR 08	
BOZ EP	22 24 20.5
E	28 03.0
APR 08	
EUR EP	22 27 30.3
APR 08	
H-22 54 28.2	
60.4N 146.5W	
h ABOUT 033KM	
COL IP	22 55 37.5
APR 08	
ALQ EP	22 57 47.0
BCN E(P)	22 59 05.8
E	59 36.8
APR 08	
BCN IP	23 15 01.8
IS	15 13.8
APR 08	
H-23 27 12.7	
37.8S 073.6W	
h ABOUT 033KM	
ALQ EP	23 39 12.0
FGU E(P)	23 39 43.3
EUR EP	23 39 52.1
APR 08	
SJP IP	23 28 25.5
ES	29 54.0
APR 08	
EUR EP	23 30 21.3
APR 08	
H-23 50 37.2	
21.9S 178.2W	
h ABOUT 323KM	
TUC E(P)	24 02 34.0
ALQ E(P)	24 02 49.0
APR 09	
BOZ EP	00 00 42.0
APR 09	
H-00 46 53.2	
49.1N 127.5W	
h ABOUT 033KM	
BOZ EP	00 49 35.9
EUR EP	00 49 54.2
TUC EP	00 51 33.6
ALQ EP	00 51 36.0
APR 09	
H-00 55 55.9	
06.3N 125.1E	
h ABOUT 033KM	
COL EP	01 08 20.0
APR 09	
ALQ E(P)	01 13 16.0
APR 09	
FGU E(P)	03 39 52.0
E(S)	40 22.0
APR 09	
H-03 45 06.7	
60.1N 145.9W	
h ABOUT 033KM	
COL EP	03 46 20.0
APR 09	
H-04 15 23.0	
13.5N 089.9W	
h ABOUT 089KM	
BHP E(P)	04 17 50.0

Date and Station	Phase (GCT) h m s
ALQ IP	04 20 50.8
E	23 25.0
TUC EP	04 20 56.0
EL	26 00.0
BCN IP C	04 21 40.6
FGU IP	04 21 45.0
SLC IP	04 21 54.7
EUR IP	04 22 06.3
BOZ EP	04 22 25.0
BUT EP	04 22 31.2
IPCP	24 48.2
HHM EP	04 22 51.9
EPCP	24 54.9
APR 09	
COL EP	04 24 40.0
APR 09	
BOZ EP	05 06 48.0
APR 09	
H-05 43 24.0	
60.0N 148.2W	
h ABOUT 033KM	
COL IP	05 44 39.0
HHM EP	05 48 25.9
BOZ EP	05 48 54.0
APR 09	
FGU EP	05 46 15.3
APR 09	
H-06 53 15.6	
60.0N 148.9W	
h ABOUT 025KM	
COL IP	06 54 29.9
HHM EP	06 58 22.0
BOZ EP	06 58 50.0
EUR EP	06 59 15.7
TUC E(P)	07 00 27.5
APR 09	
HHM EP	07 24 18.7
APR 09	
EUR EP	08 35 06.4
APR 09	
H-10 37 14.9	
59.1N 148.4W	
h ABOUT 020KM	
COL IP	10 38 43.1
HHM EP	10 42 15.9
BUT E(P)	10 42 32.0
BOZ EP	10 42 44.5
E>P	42 52.0
EUR EP	10 43 09.8
BCN EP	10 43 39.7
ALQ E(P)	10 44 21.0
EPCP	46 44.0
E>CP	46 51.0
TUC EP	10 44 22.3
APR 09	
HHM EP	10 47 26.3
APR 09	
HHM EP	11 01 26.1
APR 09	
H-12 33 23.9	
59.5N 148.9W	
h ABOUT 020KM	
COL IP	12 34 47.0
HHM EP	12 38 29.8
BUT EP	12 38 51.5
BOZ EP	12 38 58.9
EUR IP	12 39 23.5
FGU EP	12 39 39.3
RCD EP	12 39 47.0
BCN EP	12 39 53.6
ALQ IP	12 40 34.0
EPCP	42 55.0
TUC EP	12 40 36.1
EPCP	42 54.3
APR 09	
H-13 06 15.2	
59.6N 146.1W	
h ABOUT 015KM	
COL EP	13 07 35.0
SIT E(P)	13 07 42.0
HHM EP	13 11 06.0
ES	15 07.8
BUT EP	13 11 31.2
ES	15 54.2
BOZ EP	13 11 37.0
UKI EP	13 11 43.0
EUR IP	13 12 05.6
SLC EP	13 12 12.0
FGU EP	13 12 19.9
BCN EP	13 12 36.0
E>P	12 40.7
EPCP	15 36.2
ALQ IP	13 13 15.0
EPCP	13 15 45.0
E(S)	19 31.0
TUC EP	13 13 18.7
E>P	13 23.4
EL	19 00.0
KIP E(P)	13 13 54.0
ET	55 12.0
HON E(S)	13 20 00.0
EL	24 42.0
APR 09	
BCN EP	13 13 58.3
APR 09	
H-13 22 29.6	
56.8N 152.0W	
h ABOUT 033KM	
COL EP	13 24 30.0
HHM EP	13 27 45.0
TUC EP	13 29 40.5
APR 09	
EUR IP	13 22 48.7
APR 09	
EUR EP	13 31 35.5
APR 09	
EUR IP	13 48 26.7
APR 09	
HHM EP	13 52 14.2
E	52 38.0
APR 09	
HHM EP	13 54 30.8
I	54 58.1
APR 09	
ALQ E(P)	14 00 27.0
APR 09	
H-14 14 36.5	
59.8N 146.0W	
h ABOUT 010KM	
COL EP	14 15 56.0
HHM EP	14 19 28.8
BOZ EP	14 20 03.5
EUR E(P)	14 20 32.8
TUC E(P)	14 21 42.0
APR 09	
ALQ E(P)	14 22 04.0
APR 09	
COL EP	15 22 10.0
APR 09	
TUC E(P)	15 38 28.4
APR 09	
BHP IP	15 51 08.0
IS	51 49.0
APR 09	
H-16 11 31.5	
58.1N 152.5W	
h ABOUT 030KM	
COL IP	16 13 16.8
HHM EP	16 16 50.2
EUR EP	16 17 39.7
TUC EP	16 18 49.5
APR 09	
ALQ E(P)	16 52 29.0
E(S)	52 51.0
APR 09	
H-17 14 45.3	
60.1N 146.1W	
h ABOUT 033KM	
COL IP	17 15 57.4
HHM EP	17 19 36.7
APR 09	
HHM EP	18 14 55.7
APR 09	
BOZ EP	18 23 21.8
APR 09	
H-18 25 00.9	
59.8N 147.1W	
h ABOUT 033KM	
COL EP	18 26 17.0
BOZ EP	18 30 26.0
APR 09	
H-18 43 16.2	
39.4N 119.1W	
h ABOUT 015KM	
EUR IP	18 43 56.8
IL	44 32.8
BCN EP	18 44 34.8
EL	45 29.8
APR 09	
EUR EP	18 53 38.3
APR 09	
EUR EP	19 14 30.4
APR 09	
COL EP	19 30 22.0
APR 09	
TUC IP	19 36 08.0
I	36 27.8
ALQ IP	19 36 40.0
E(S)	37 19.5

Date and Station	Phase (GCT)
	h m s
APR 09	
H-19 43 15.9	
22.1S 069.8W	
h ABOUT 054KM	
TUC EP	19 54 04.5
HHM EP	19 55 23.2
APR 09	
TUC EP	19 54 29.5
APR 09	
BOZ IP	20 37 16.2
IL	37 18.5
APR 09	
COL EP	20 44 33.0
APR 09	
H-21 20 03.1	
60.8N 146.8W	
h ABOUT 033KM	
HHM EP	21 25 00.7
APR 09	
ALQ E(P)	21 24 39.0
E(S)	25 15.0
APR 09	
HHM EP	21 31 23.3
APR 09	
FGU EP	21 32 45.7
IS	33 09.9
APR 09	
TUC EP	21 47 09.5
I	47 32.5
APR 09	
H-21 54 42.1	
18.5S 071.5W	
h ABOUT 039KM	
SJP EP	22 01 45.2
E	01 53.0
E	02 11.0
ALQ IP	22 05 05.0
TUC EP	22 05 07.0
BCN EP	22 05 40.1
FGU EP	22 05 45.8
EUR IP	22 05 58.8
BOZ EP	22 06 12.0
BUT EP	22 06 16.3
HHM EP	22 06 30.7
APR 09	
H-22 12 30.7	
59.8N 155.7W	
h ABOUT 033KM	
COL IP	22 14 03.7
HHM EP	22 18 07.2

Date and Station	Phase (GCT)
	h m s
APR 09	
ALQ IP	22 14 23.0
E(S)	14 56.0
APR 09	
BOZ EP	22 50 25.9
E	50 45.0
APR 09	
EUR IP	22 58 09.2
APR 09	
EUR EP	23 14 49.5
APR 09	
H-23 16 03.8	
46.3N 149.6E	
h ABOUT 045KM	
COL IP	23 23 20.0
BOZ EP	23 26 34.9
EUR EP	23 26 44.5
APR 09	
EUR EP	23 39 31.7
APR 10	
H-00 29 46.2	
60.3N 147.1W	
h ABOUT 033KM	
COL IP	00 30 57.1
HHM E(P)	00 34 44.0
E	34 47.7
APR 10	
TUC EP	00 29 49.0
APR 10	
H-01 08 00.2	
58.4N 150.6W	
h ABOUT 015KM	
COL IP	01 09 40.3
SIT E(P)	01 10 01.0
HHM EP	01 13 13.2
ES	17 39.7
BUT EP	01 13 35.2
ES	18 04.0
UKI E(P)	01 13 37.7
E(▸P)	13 41.5
BOZ EP	01 13 41.0
I▸P	13 47.1
I	14 04.0
EPCP	17 02.0
E▸CP	17 09.0
ES	18 36.0
EL	22 12.0
EUR IP	01 14 02.4
SLC E(P)	01 14 12.9

Date and Station	Phase (GCT)
	h m s
BCN EP	01 14 31.7
I(▸P)	14 36.7
EPCP	17 17.7
E▸PCP	17 24.2
ESCP	21 00.2
KIP IP	01 15 13.5
ALQ IP	01 15 14.0
ESCP	21 19.0
TUC EP	01 15 14.3
E▸P	15 20.2
EPCP	17 32.5
SJP EP	01 19 21.0
E▸P	19 27.2
EPCP	19 47.5
WAS E	01 35 07.0
E(L)	38 03.0
APR 10	
BUT EP	01 11 34.3
APR 10	
SIT E(P)	01 17 12.7
EUR IP	01 20 48.8
APR 10	
SJP EP	01 35 59.5
I	36 03.0
E	36 22.0
E	36 55.2
APR 10	
SJP EP	01 40 52.0
ES	41 10.5
APR 10	
FGU IP	02 46 09.6
APR 10	
H-02 46 35.5	
58.5N 148.8W	
h ABOUT 033KM	
BOZ EP	02 52 07.0
APR 10	
COL IP	03 02 07.7
APR 10	
H-04 44 08.0	
15.7S 172.8W	
h ABOUT 032KM	
TUC EP	04 55 55.4
EUR EP	04 55 55.7
ALQ E(P)	04 56 19.0
BOZ EP	04 56 28.0
COL EP	04 56 29.0
APR 10	
COL EP	06 12 30.0
BOZ E(P)	06 16 31.0
E	16 34.8

Date and Station	Phase (GCT)
	h m s
EUR EP	06 16 52.0
TUC EP	06 18 03.8
APR 10	
EUR EP	06 20 01.7
APR 10	
HHM EP	06 37 54.6
ES	38 14.6
APR 10	
H-06 46 15.6	
60.1N 146.9W	
h ABOUT 039KM	
COL EP	06 47 27.0
APR 10	
H-07 04 11.3	
60.2N 147.0W	
h ABOUT 039KM	
COL EP	07 05 22.0
HHM EP	07 09 06.6
TUC EP	07 11 16.4
APR 10	
H-10 00 52.7	
17.6N 104.6W	
h ABOUT 033KM	
TUC E(P)	10 04 33.5
ALQ E(P)	10 05 00.5
BCN EP	10 05 29.3
BOZ EP	10 06 44.2
APR 10	
COL IP	11 20 22.3
TUC E(P)	11 25 54.0
APR 10	
SIT E(P)	11 55 14.5
APR 10	
H-12 06 24.5	
59.6N 152.2W	
h ABOUT 025KM	
COL IP	12 07 51.0
HHM EP	12 11 43.0
E▸P	11 52.0
BOZ EP	12 12 11.2
EUR EP	12 12 37.3
BCN EP	12 13 07.6
E▸P	13 16.1
TUC EP	12 13 49.3
APR 10	
GUA E(P)	12 13 30.5
APR 10	
COL EP	12 52 16.0

Date and Station	Phase	(GCT)
		h m s
APR 10		
H-13 10 05.4		
13.5N 144.9E		
h ABOUT 101KM		
GUA	IP	13 10 19.5
COL	E(P)	13 21 11.0
HHM	EP	13 22 41.7
EUR	EP	13 22 48.7
BUT	EP	13 22 50.0
BOZ	EP	13 22 53.0
BCN	EP	13 22 57.7
	E▸P	23 30.7
TUC	EP	13 23 17.6
APR 10		
COL	EP	13 18 23.0
BOZ	EP	13 21 34.0
APR 10		
TUC	E(P)	13 58 07.0
APR 10		
COL	EP	14 07 04.0
BCN	EP	14 12 22.9
	E▸P	12 27.5
APR 10		
COL	EP	15 40 18.0
TUC	E(P)	15 46 18.0
APR 10		
SJP	I(P)	16 22 58.0
APR 10		
H-17 54 57.5		
56.7N 152.0W		
h ABOUT 033KM		
COL	EP	17 56 59.0
HHM	EP	18 00 13.0
BOZ	EP	18 00 39.0
EUR	IP	18 00 56.9
TUC	EP	18 02 08.0
APR 10		
HHM	E(P)	18 08 51.0
APR 10		
EUR	EP	18 26 38.1
APR 10		
H-19 05 52.6		
59.7N 148.2W		
h ABOUT 015KM		
SIT	E(P)	19 07 39.0
HHM	EP C	19 10 55.4
BUT	EP	19 11 18.2
BOZ	EP	19 11 25.0
	I▸P	11 33.0
	IS	19 15 48.0
EUR	IP	19 11 50.8
ALQ	IP	19 13 01.5
	ESCP	19 10.0
TUC	EP	19 13 03.4
	EL	18 30.0
WAS	EL	19 31 11.0
	E	31 47.0
	E	35 34.0
APR 10		
COL	IP	19 36 47.8
APR 10		
SJP	EP	19 38 28.5
APR 10		
ALQ	E(P)	19 56 23.0
APR 10		
ALQ	E(P)	20 18 30.0
	E(S)	19 04.0
APR 10		
FGU	EP	21 10 18.5
	IS	10 46.0
APR 10		
COL	IP	21 16 53.0
APR 10		
H-21 29 56.9		
39.2N 114.2W		
h ABOUT 015KM		
EUR	I(P)	21 30 23.1
BCN	E(P)	21 30 54.5
	EL	31 35.8
APR10		
H-21 44 06.7		
60.1N 153.7W		
h ABOUT 010KM		
COL	IP	21 45 34.0
HHM	EP	21 49 35.9
	EL	53 43.4
BOZ	EP	21 50 04.9
	I▸P	50 10.0
	ES	55 20.0
EUR	IP	21 50 28.8
	IL	57 04.1
SLC	EP	21 50 38.3
FGU	EP	21 50 46.2
RCD	E(P)	21 50 55.0
BCN	EP	21 50 58.6
	I	51 01.7
	I	51 03.9
	ESCP	57 16.9
KIP	IP	21 51 34.0
ALQ	EP	21 51 36.0
	E	51 50.0
	EPCP	53 51.0
TUC	IP D	21 51 39.8
	E▸P	51 46.5
	EL	57 00.0
CSC	E(P)	21 53 29.0
SJP	EP	21 55 38.0
APR 10		
ALQ	E(P)	21 45 37.0
APR 10		
BCN	E(P)	22 49 59.7
	IL	50 35.7
APR 11		
FGU	IP	00 27 55.0
APR 11		
H-00 39 10.6		
57.4N 150.0W		
h ABOUT 015KM		
COL	IP	00 41 02.6
HHM	EP	00 44 19.4
BOZ	E(P)	00 44 47.0
TUC	EP	00 46 18.7
APR 11		
H-01 04 30.2		
29.0S 178.9W		
h ABOUT 302KM		
HON	IP	01 13 24.4
KIP	IP	01 13 25.0
GUA	EP	01 13 30.0
UKI	EP	01 16 35.9
TUC	IP	01 16 53.0
	EPKKP	34 30.5
EUR	IP	01 16 56.8
ALQ	I(P)	01 17 17.8
	EPCP	17 25.0
SLC	I(P)	01 17 21.9
BUT	EP	01 17 22.7
BOZ	EP	01 17 24.9
COL	EP	01 17 26.0
APR 11		
ALQ	E(P)	01 36 13.0
APR 11		
COL	EP	02 47 08.0
FGU	EP	02 52 09.7
APR 11		
H-03 25 04.8		
38.5N 118.7W		
h ABOUT 015KM		
EUR	IP	03 25 43.5
BCN	E(P)	03 26 21.2
	IL	27 17.5
APR 11		
COL	IP	04 49 45.9
BOZ	EP	04 53 51.3
APR 11		
COL	EP	05 26 38.0
APR 11		
H-06 11 02.1		
25.2N 124.4E		
h ABOUT 074KM		
COL	I(P)	06 21 40.2
HHM	EP	06 23 56.4
BOZ	EP	06 24 09.2
EUR	EP	06 24 16.6
APR 11		
H-07 33 52.2		
59.6N 144.8W		
h ABOUT 039KM		
HHM	EP	07 38 33.3
BOZ	EP	07 39 06.5
EUR	IP	07 39 33.7
ALQ	EP	07 40 44.0
TUC	EP	07 40 47.3
APR 11		
H-08 23 29.1		
59.8N 147.6W		
h ABOUT 039KM		
COL	IP	08 24 45.4
BOZ	E(P)	08 29 05.0
APR 11		
H-09 23 51.5		
56.4N 152.2W		
h ABOUT 039KM		
COL	IP	09 25 57.0
HHM	EP	09 29 07.3
BUT	EP	09 29 30.7
BOZ	EP	09 29 40.0
EUR	IP	09 29 50.3

Date and Station	Phase (GCT)
	h m s
FGU E(P)	09 30 16.5
BCN E(P)	09 30 19.2
ALQ EP	09 31 06.0
EL	37 09.0
APR 11	
EUR IP	10 04 44.1
APR 11	
COL IP	10 11 12.0
APR 11	
H-10 20 39.5	
60.8N 143.5W	
h ABOUT 020KM	
COL EP	10 21 47.0
HHM EP	10 25 21.2
BOZ EP	10 25 52.2
EUR EP	10 26 24.0
ALQ EP	10 27 35.0
TUC EP	10 27 38.4
APR 11	
COL EP	11 06 11.0
APR 11	
COL IP	11 28 04.2
APR 11	
H-11 36 00.5	
60.4N 146.4W	
h ABOUT 015KM	
COL IP	11 37 11.9
HHM EP	11 40 56.2
BUT IP	11 41 20.2
BOZ EP	11 41 27.2
EUR IP	11 41 55.0
FGU EP	11 42 09.6
RCD EP	11 42 16.0
BCN EP	11 42 25.6
ALQ IP	11 43 04.0
EPCP	45 34.0
TUC IP D	11 43 07.8
APR 11	
H-12 16 41.1	
56.6N 151.0W	
h ABOUT 020KM	
HHM EP	12 21 55.2
BUT E(P)	12 22 12.0
BOZ EP	12 22 21.8
EUR IP	12 22 38.6

Date and Station	Phase (GCT)
	h m s
FGU EP	12 23 00.5
BCN EP	12 23 07.7
RCD EP	12 23 14.0
TUC EP	12 23 49.7
ALQ IP	12 23 51.5
APR 11	
COL IP	12 39 44.2
EUR IP	12 43 34.0
BCN E(P)	12 43 44.7
APR 11	
COL EP	14 21 40.0
APR 11	
COL IP	15 26 26.6
APR 11	
COL EP	15 57 53.0
APR 11	
H-16 00 42.8	
40.5N 025.0E	
h ABOUT 033KM	
HHM EP	16 13 13.7
BOZ EP	16 13 21.5
I	13 25.0
ALQ EP	16 13 53.5
E	19 55.0
TUC EP	16 14 12.6
APR 11	
H-16 10 25.2	
58.1N 149.8W	
h ABOUT 020KM	
COL IP	16 12 03.2
APR 11	
COL IP	16 45 38.3
APR 11	
ALQ E(P)	17 20 30.0
APR 11	
COL IP	18 17 18.1
APR 11	
COL IP	19 00 00.6
APR 11	
COL EP	19 10 04.0
HHM EP	19 13 39.1
E	14 18.1
BOZ E(P)	19 14 50.0
TUC EP	19 16 27.2
APR 11	
COL IP	19 16 20.7

Date and Station	Phase (GCT)
	h m s
APR 11	
COL EP	20 20 36.0
APR 11	
H-22 02 38.2	
60.2N 146.9W	
h ABOUT 020KM	
COL EP	22 03 51.0
HHM EP	22 07 36.1
BOZ EP	22 08 05.9
ALQ EP	22 09 43.0
TUC EP	22 09 44.5
APR 11	
SLC E(P)	22 14 05.5
E	14 09.3
IS	14 26.2
APR 11	
H-23 11 22.8	
60.1N 146.5W	
h ABOUT 020KM	
COL EP	23 12 36.0
HHM EP	23 16 18.0
BUT E(P)	23 16 39.0
BOZ EP	23 16 48.8
TUC EP	23 18 27.7
APR 11	
H-23 34 35.3	
59.5N 147.0W	
h ABOUT 033KM	
COL EP	23 35 56.0
APR 12	
H-01 11 57.9	
53.0N 160.4E	
h ABOUT 033KM	
COL E(P)	01 16 53.0
TUC EP	01 22 34.2
APR 12	
H-01 15 37.9	
60.0N 144.9W	
h ABOUT 030KM	
HHM EP	01 20 26.1
BOZ EP	01 20 55.0
APR 12	
H-01 24 31.2	
56.6N 152.2W	
h ABOUT 022KM	
COL EP	01 26 34.0
SIT IP	01 26 47.9
HHM EP	01 29 48.6
E(S)	33 25.1

Date and Station	Phase (GCT)
	h m s
UKI EP	01 30 03.9
BUT EP	01 30 10.2
BOZ EP	01 30 15.1
I>P	30 21.0
E>P	30 25.0
IL	37 15.0
BCN IP D	01 31 01.4
IPCP	33 49.3
E>PCP	33 52.3
ES	36 22.7
ISCP	37 31.7
RCD EP	01 31 07.5
E>P	31 13.0
KIP EP	01 31 26.0
HON EP	01 31 31.0
TUC IP D	01 31 43.8
EPCP	34 06.6
ISCP	37 48.0
ALQ IP	01 31 46.0
EL	38 48.0
BCN E(P)	01 32 05.8
EPCP	33 55.3
TUC E(P)	01 32 47.2
EPCP	35 08.8
WAS EP	01 33 33.0
E(S)	40 47.0
EL	46 13.0
CSC IP	01 33 43.0
E	33 54.0
SJP IP	01 36 00.0
IS	45 23.0
CHK E(S)	01 38 57.4
IL	42 13.8
APR 12	
H-02 06 19.8	
60.9N 149.5W	
h ABOUT 020KM	
COL EP	02 07 23.0
HHM E(P)	02 11 30.1
TUC EP	02 13 39.0
APR 12	
BOZ EP	02 15 02.0
APR 12	
H-02 33 39.4	
26.5S 113.7W	
h ABOUT 033KM	
TUC EP	02 43 34.8
ALQ EP	02 43 56.0
BCN EP	02 44 00.0
RCD EP	02 44 58.0

Date and Station	Phase	Phase (GCT) h m s
HHM	EP	02 45 16.6
APR 12		
COL	EP	03 53 02.0
APR 12		
COL	EP	05 28 25.0
APR 12		
H-05 44 23.2		
58.8N 148.9W		
h ABOUT 033KM		
COL	EP	05 45 53.0
APR 12		
ALQ	EP	05 49 06.0
APR 12		
H-06 00 46.4		
13.6S 166.0E		
h ABOUT 033KM		
COL	IP	06 13 22.6
BCN	EP	06 13 42.1
	E	13 49.9
TUC	EP	06 13 52.0
BOZ	EP	06 14 04.0
ALQ	EP	06 14 11.0
APR 12		
COL	EP	06 37 05.0
APR 12		
H-07 33 43.6		
59.3N 147.5W		
h ABOUT 025KM		
COL	IP	07 35 08.1
HHM	EP	07 38 40.1
BOZ	EP	07 39 11.5
	E▸P	39 19.0
APR 12		
COL	EP	08 01 52.0
APR 12		
COL	IP	08 23 33.0
APR 12		
BCN	EP	08 53 30.7
APR 12		
H-09 34 44.1		
56.6N 152.1W		
h ABOUT 020KM		
COL	EP	09 36 47.0
HHM	EP	09 40 02.1
BUT	EP	09 40 22.2
	E▸P	40 28.2
BOZ	EP	09 40 28.2
BCN	EP	09 41 14.8
RCD	EP	09 41 21.0
TUC	EP	09 41 57.0
ALQ	IP	09 41 59.5
	EPCP	44 18.0
	IS	48 03.0
CSC	E(P)	09 43 54.0
APR 12		
BCN	EP	10 07 08.4
APR 12		
BCN	IP	11 07 43.5
	IS	07 45.2
APR 12		
H-11 10 54.8		
33.9S 179.8W		
h ABOUT 089KM		
HON	IP	11 20 45.4
KIP	IP	11 20 46.0
BCN	EP	11 23 57.3
	EPP	27 04.3
TUC	IP	11 23 58.5
	IPP	27 45.5
	ES	34 23.0
ALQ	IP	11 24 18.6
	E(PP)	28 22.0
BOZ	EP	11 24 33.5
COL	EP	11 24 37.0
APR 12		
TUC	E(P)	11 16 47.0
APR 12		
HHM	E(P)	11 28 29.0
APR 12		
BCN	EP	11 33 47.7
	E	33 53.2
APR 12		
BOZ	E(P)	11 40 19.0
	E	44 16.0
APR 12		
H-12 06 01.3		
42.6N 045.2E		
h ABOUT 033KM		
HHM	E(P)	12 18 48.0
APR 12		
COL	EP	12 14 11.0
APR 12		
H-12 14 55.0		
34.0N 131.9E		
h ABOUT 070KM		
COL	EP	12 24 27.0
BUT	EP	12 27 06.1
BOZ	EP	12 27 11.0
	I▸P	27 28.9
APR 12		
HHM	IP	12 26 34.0
BCN	E(P)	12 27 49.2
APR 12		
H-12 36 22.7		
56.4N 151.4W		
h ABOUT 030KM		
HHM	EP	12 41 34.0
BUT	E(P)	12 41 54.0
BOZ	EP	12 42 05.0
BCN	EP	12 42 49.0
	E▸P	42 56.5
TUC	EP	12 43 30.6
ALQ	IP	12 43 32.0
	EPCP	46 00.0
	ESCP	49 53.0
CSC	E(P)	12 45 24.0
APR 12		
HHM	EP	12 41 11.0
BOZ	E(P)	12 41 27.2
BCN	E(P)	12 42 24.5
APR 12		
SIT	E(P)	12 46 25.0
APR 12		
H-12 48 02.2		
56.6N 151.3W		
h ABOUT 033KM		
COL	IP	12 50 04.0
HHM	EP	12 53 15.0
BUT	EP	12 53 33.6
BOZ	EP	12 53 41.0
BCN	EP	12 54 26.0
	EPCP	57 13.0
RCD	EP	12 54 33.0
	EPCP	57 21.0
TUC	EP	12 55 10.0
ALQ	IP	12 55 16.0
	E	55 32.0
CSC	EP	12 57 07.0
PHI	E(S)	13 07 11.0
	E	08 29.6
WAS	E(S)	13 08 23.0
	E	15 07.0
	EL	19 39.0
APR 12		
COL	EP	13 11 50.0
APR 12		
H-13 11 01.6		
39.0N 118.8W		
h ABOUT 015KM		
BCN	E(P)	13 12 15.6
	EL	13 10.1
APR 12		
H-14 35 39.2		
61.2N 151.1W		
h ABOUT 028KM		
COL	EP	14 36 42.0
HHM	IP	14 40 58.8
BUT	EP	14 41 20.1
BOZ	EP	14 41 27.2
	I▸P	41 35.0
BCN	EP	14 42 24.3
	E▸P	42 32.7
	EPCP	45 23.3
	E▸PCP	45 32.7
ALQ	EP	14 43 02.0
	IPCP	45 14.0
	E(▸CP)	45 24.0
TUC	EP	14 43 04.7
CSC	E(P)	14 44 43.0
APR 12		
TUC	EP	15 07 43.0
APR 12		
H-15 08 09.5		
61.2N 147.4W		
h ABOUT 020KM		
BOZ	E(P)	15 13 50.0
APR 12		
H-15 37 49.6		
43.2N 111.4W		
h ABOUT 015KM		
FGU	E(P)	15 38 27.9
	I	38 36.9
	IL	39 08.9
BOZ	EP	15 38 30.0
	I	38 59.0
SLC	E(P)	15 38 35.1
BUT	E(P)	15 38 44.0
	ES	39 18.0
APR 12		
ALQ	EP	15 45 12.0
APR 12		
BOZ	EP	16 17 47.0
	ES	18 19.0

Date and Station	Phase (GCT)
	h m s
APR 12	
FGU EP	16 17 54.4
IS	18 26.9
APR 12	
BOZ EP	16 37 16.0
ES	37 47.0
APR 12	
FGU EP	16 37 20.9
IS	37 54.4
APR 12	
COL EP	17 02 05.0
APR 12	
H-17 22 02.2	
60.2N 145.6W	
h ABOUT 020KM	
COL IP	17 23 15.3
SIT EP	17 23 35.9
HHM EP	17 26 52.7
EL	33 01.9
BUT EP	17 27 17.0
BOZ EP	17 27 23.8
EL	35 24.0
EUR IP	17 27 51.7
SLC EP	17 27 56.9
FGU E(P)	17 27 59.0
I	28 06.9
BCN EP	17 28 23.4
ALQ EP	17 29 02.0
EPCP	31 28.0
TUC EP	17 29 05.0
CSC E(P)	17 30 41.0
WAS EL	17 46 42.0
APR 12	
H-18 50 41.2	
56.5N 152.7W	
h ABOUT 033KM	
COL EP	18 52 48.0
EUR EP	18 56 45.3
APR 12	
COL IP	19 43 22.9
APR 12	
ALQ EP	20 20 31.0
APR 12	
H-20 28 50.1	
57.5N 152.1W	
h ABOUT 033KM	
COL EP	20 30 41.0

Date and Station	Phase (GCT)
	h m s
APR 12	
H-20 39 05.9	
16.4S 179.8W	
h ABOUT 509KM	
TUC EP	20 50 32.8
APR 12	
FGU EP	20 54 18.5
IS	54 31.7
APR 12	
COL EP	20 54 43.0
APR 12	
HHM EP	20 58 23.7
APR 12	
FGU EP	20 59 18.5
APR 12	
H-21 02 15.9	
58.6N 154.3W	
h ABOUT 033KM	
COL IP	21 03 57.2
APR 12	
FGU EP	21 19 54.6
ES	20 27.4
APR 12	
TUC IP	21 35 21.4
IL	35 46.6
APR 12	
BOZ EP	21 42 44.0
E	43 10.0
APR 12	
EUR IP	22 21 19.5
APR 12	
FGU EP	23 35 46.2
IS	35 59.2
APR 12	
SLC EP	23 45 06.2
APR 13	
H-00 55 00.6	
59.5N 144.7W	
h ABOUT 033KM	
COL IP	00 56 24.0
BOZ E(P)	01 00 05.5
TUC E(P)	01 01 54.3
APR 13	
H-00 57 43.5	
00.1N 123.0E	
h ABOUT 097KM	
BOZ EP'	01 16 14.0
TUC EP'	01 16 25.2
ALQ IP	01 16 30.0

Date and Station	Phase (GCT)
	h m s
APR 13	
H-01 14 21.1	
40.0N 051.9E	
h ABOUT 033KM	
COL IP	01 25 57.3
APR 13	
H-01 17 36.2	
56.6N 157.0W	
h ABOUT 033KM	
COL E(P)	01 20 02.0
APR 13	
COL EP	01 21 58.0
APR 13	
COL EP	02 23 14.0
APR 13	
EUR EP	02 45 09.3
APR 13	
H-03 02 46.3	
23.7S 179.0W	
h ABOUT 360KM	
TUC IP D	03 14 47.7
ALQ IP	03 15 08.0
BOZ EP	03 15 17.8
APR 13	
H-03 20 04.5	
27.6N 090.2E	
h ABOUT 052KM	
COL IP	03 31 56.8
APR 13	
BOZ EP	04 50 06.8
APR 13	
H-05 23 57.5	
06.2N 072.5W	
h ABOUT 228KM	
TUC E(P)	05 31 45.0
APR 13	
H-06 23 34.1	
19.5S 177.7W	
h ABOUT 574KM	
BCN EP	06 34 52.0
E(pP)	36 55.6
EUR IP	06 34 56.8
TUC IP D	06 34 57.5
IpP	37 03.8
ALQ IP	06 35 19.0
COL IP	06 35 19.1
BUT EP	06 35 23.2
HHM EP	06 35 23.8
BOZ EP	06 35 27.0
EpP	37 37.0

Date and Station	Phase (GCT)
	h m s
APR 13	
H-07 06 39.6	
59.7N 147.4W	
h ABOUT 033KM	
COL EP	07 07 57.0
HHM EP	07 11 35.8
APR 13	
H-07 28 35.5	
58.9N 149.8W	
h ABOUT 025KM	
BOZ E(P)	07 34 12.0
APR 13	
COL EP	08 03 20.0
APR 13	
H-08 30 03.6	
45.3N 018.1E	
h ABOUT 033KM	
COL IP	08 41 11.4
CSC IP	08 41 29.0
HHM EP	08 41 58.7
BOZ EP	08 42 09.0
E	47 36.0
E	47 40.0
BUT E(P)	08 42 13.0
FGU EP	08 42 22.2
SLC EP	08 42 28.7
ALQ IP	08 42 43.0
E(PP)	45 42.0
EUR IP	08 42 43.6
BCN EP	08 42 55.2
APR 13	
H-08 41 53.9	
58.4N 151.2W	
h ABOUT 033KM	
COL EP	08 43 31.0
HHM EP	08 47 06.7
BUT EP	08 47 27.5
EUR IP	08 47 56.4
FGU IP	08 4f 14.8
BCN EP	08 48 25.7
EpP	48 36.8
EPCP	51 08.7
TUC EP	08 49 07.7
APR 13	
TUC EP	08 42 16.8
EL	43 36.0

Date and Station	Phase	(GCT) h m s
APR 13		
H-08 45 24.6		
22.3N 142.1E		
h ABOUT 309KM		
GUA	EP	08 47 33.4
	E(S)	49 22.0
KIP	IP	08 54 28.4
COL	IP	08 55 11.1
HHM	IP	08 57 14.9
BUT	IP	08 57 24.0
	I	57 29.5
	I▸P	58 34.0
EUR	IP	08 57 26.6
BOZ	IP	08 57 29.2
BCN	EP C	08 57 38.2
	E▸P	58 54.0
SLC	EP	08 57 38.2
FGU	IP	08 57 45.5
TUC	EP	08 58 00.0
APR 13		
BCN	E(P)	08 45 45.7
	I	45 54.8
APR 13		
BCN	E(P)	09 01 01.9
APR 13		
TUC	E(P)	09 11 42.7
APR 13		
COL	EP	09 43 24.0
APR 13		
COL	EP	10 31 18.0
APR 13		
EUR	EP	10 31 30.0
APR 13		
H-11 26 52.1		
6.9N 126.6E		
h ABOUT 110KM		
KIP	EP	11 38 19.0
COL	IP	11 39 00.0
BOZ	EP'	11 45 08.0
	E	45 20.5
APR 13		
EUR	EP	11 32 10.7
APR 13		
H-11 36 30.4		
43.3N 110.8W		
h ABOUT 015KM		
BOZ	EP	11 37 10.0
	EL	37 41.0
SLC	EP	11 37 12.9
FGU	IP C	11 37 13.5
	IS	37 48.7
EUR	EP	11 37 53.7
APR 13		
FGU	EP C	11 39 54.0
	IS	40 26.0
APR 13		
TUC	E(P)	11 56 14.0
APR 13		
H-12 25 36.0		
59.4N 143.9W		
h ABOUT 040KM		
COL	E(P)	12 26 57.0
SIT	EP	12 26 57.0
HHM	EP	12 30 10.7
BUT	EP	12 30 37.0
	E(S)	34 38.0
	EL	37 24.0
BOZ	EP	12 30 45.1
	ES	35 00.0
EUR	IP	12 31 13.6
FGU	E(P)	12 31 14.4
SLC	E(P)	12 31 14.7
	E	31 18.7
BCN	E(P)	12 31 33.5
	EPCP	12 34 13.4
RCD	EP	12 32 00.0
ALQ	EP	12 32 22.8
TUC	EP	12 32 26.0
	ES	38 06.0
PHI	EL	12 44 20.9
KIP	ET	13 14 31.0
APR 13		
SIT	IP	12 27 10.0
APR 13		
COL	IP	12 54 21.1
APR 13		
COL	EP	13 28 18.0
APR 13		
COL	IP	13 53 50.8
APR 13		
H-14 05 00.0		
57.6N 151.2W		
h ABOUT 025KM		
COL	EP	14 06 50.0
SIT	EP	14 07 11.0
HHM	IP D	14 10 13.7
BUT	IP	14 10 34.0
BOZ	IP D	14 10 42.0
	I	10 46.0
EUR	IP	14 11 00.8
SLC	EP	14 11 10.5
FGU	IP	14 11 20.5
BCN	EP D	14 11 29.9
	I▸P	11 36.9
	EPCP	14 16.4
	E▸PCP	14 22.0
RCD	EP	14 11 32.0
	E▸P	11 39.0
TUC	IP D	14 12 12.0
	E▸P	12 19.0
	EPCP	14 30.4
ALQ	IP	14 12 13.0
	ESCP	18 17.0
CSC	EP	14 14 05.0
	E▸P	14 12.0
WAS	EL	14 33 06.0
KIP	ET	14 49 43.0
APR 13		
COL	EP	15 21 38.0
APR 13		
COL	EP	15 26 02.0
APR 13		
EUR	IP	15 43 39.9
APR 13		
BCN	EP	16 05 35.1
APR 13		
H-16 14 06.3		
56.6N 152.1W		
h ABOUT 033KM		
COL	EP	16 16 08.0
HHM	EP	16 19 22.1
BUT	EP	16 19 42.0
BOZ	EP	16 19 50.7
EUR	IP	16 20 06.2
TUC	EP	16 21 17.5
ALQ	EP	16 21 20.0
	EPCP	23 36.0
	ESCP	27 16.0
	E	27 25.0
CSC	EP	16 23 16.0
KIP	ET	16 57 49.0
APR 13		
TUC	EP	16 16 05.0
APR 13		
COL	EP	17 00 44.0
APR 13		
H-17 43 26.3		
61.1N 147.4W		
h ABOUT 035KM		
COL	IP	17 44 21.8
HHM	EP	17 48 26.8
	E▸P	48 36.8
BOZ	EP	17 48 57.6
TUC	E(P)	17 50 36.5
APR 13		
H-18 14 21.4		
59.2N 147.1W		
h ABOUT 020KM		
COL	IP	18 15 47.0
HHM	EP	18 19 17.6
BUT	EP	18 19 40.5
BOZ	EP	18 19 50.0
EUR	EP	18 20 12.1
BCN	EP	18 20 42.8
TUC	EP	18 21 25.0
APR 13		
COL	EP	19 06 12.0
APR 13		
EUR	EP	19 15 04.1
APR 13		
H-19 16 48.6		
57.3N 153.2W		
h ABOUT 023KM		
COL	IP	19 18 45.5
HHM	EP	19 22 11.6
BOZ	EP	19 22 39.0
EUR	EP	19 22 57.2
BCN	EP	19 23 28.2
TUC	EP	19 24 08.0
APR 13		
BOZ	E(P)	19 25 53.0
APR 13		
ALQ	E(P)	19 58 52.0
	E(S)	59 35.0
APR 13		
TUC	E(P)	20 09 24.0
	EL	10 29.0
APR 13		
H-21 25 33.0		
57.5N 153.9W		
h ABOUT 030KM		

Date and Station	Phase (GCT)
	h m s
COL IP	21 27 29.1
HHM I(P)	21 29 59.6
BUT EP	21 31 19.0
BOZ IP D	21 31 28.6
EUR IP	21 31 44.5
SLC IP	21 31 55.7
BCN IP D	21 32 13.8
EPCP	34 52.1
TUC IP D	21 32 55.4
ALQ IP	21 32 56.5
IPCP	35 07.0
CSC EP	21 34 49.0
EL	51 50.0
APR 13	
H-21 43 16.5	
59.4N 143.1W	
h ABOUT 033KM	
SIT E(P)	21 44 22.7
COL IP	21 44 42.0
HHM EP	21 47 49.6
ES	51 28.5
BUT EP	21 48 15.0
BOZ EP	21 48 23.8
SLC EP	21 48 55.7
BCN EP	21 49 22.8
ALQ IP	21 50 02.0
TUC EP	21 50 04.8
WAS EP	21 51 36.0
EL	22 06 43.0
CSC EP	21 51 49.0
E	52 05.0
HON E(S)	21 57 04.0
EL	22 00 07.0
APR 13	
EUR IP	22 03 51.6
APR 13	
EUR IP	22 27 38.5
APR 13	
EUR EP	22 46 37.4
APR 13	
H-22 49 55.8	
51.0N 178.8E	
h ABOUT 033KM	
COL EP	22 54 50.0
BOZ EP	22 58 10.0

Date and Station	Phase (GCT)
	h m s
APR 13	
EUR EP	23 46 59.5
APR 13	
H-23 48 52.7	
61.0N 149.3W	
h ABOUT 033KM	
COL EP	23 49 53.0
TUC E(P)	23 56 09.8
APR 14	
TUC EP	00 19 04.2
APR 14	
TUC E(P)	00 33 10.5
APR 14	
TUC EP	00 59 16.5
APR 14	
H-01 04 28.8	
49.4N 155.5E	
h ABOUT 060KM	
COL IP	01 11 01.0
HHM EP	01 14 02.5
BUT EP	01 14 18.0
BOZ IP C	01 14 26.1
EUR IP	01 14 34.9
SLC EP	01 14 45.2
BCN EP	01 14 54.8
TUC EP	01 15 26.0
ALQ IP	01 15 31.0
APR 14	
COL EP	01 48 17.4
APR 14	
COL IP	02 21 54.2
APR 14	
H-02 28 25.2	
15.8S 177.0W	
h ABOUT 362KM	
TUC EP	02 39 53.0
COL IP	02 40 13.5
BOZ EP	02 40 23.0
APR 14	
H-02 42 04.9	
14.1N 091.3W	
h ABOUT 126KM	
ALQ IP	02 47 18.0
TUC EP	02 47 22.5
APR 14	
HHM E(P)	03 03 14.0
E(S)	03 45.0

Date and Station	Phase (GCT)
	h m s
APR 14	
TUC EP	04 02 28.5
EL	03 42.0
APR 14	
ALQ E(P)	04 05 48.0
APR 14	
H-05 01 59.1	
41.0S 080.8E	
h ABOUT 033KM	
TUC EP'	05 22 06.2
BOZ EP'	05 22 09.0
APR 14	
H-06 19 38.2	
60.2N 146.8W	
h ABOUT 033KM	
COL EP	06 20 49.0
HHM EP	06 24 33.4
BOZ EP	06 25 05.0
EL	31 12.0
TUC EP	06 26 42.7
APR 14	
H-06 35 30.1	
39.0N 014.5E	
h ABOUT 306KM	
COL EP	06 46 43.0
HHM EP	06 47 16.4
APR 14	
H-06 53 36.3	
56.2N 154.6W	
h ABOUT 033KM	
COL EP	06 55 50.0
APR 14	
COL IP	07 27 35.5
APR 14	
H-07 59 25.4	
61.4N 147.0W	
h ABOUT 033KM	
COL EP	08 00 20.0
HHM EP	08 04 26.4
BUT E(P)	08 04 44.0
BOZ EP	08 04 57.5
EUR IP	08 05 24.9
BCN EP	08 05 55.5
TUC EP	08 06 36.5
APR 14	
BOZ EP	08 01 25.0
E	02 46.0

Date and Station	Phase (GCT)
	h m s
APR 14	
H-08 08 25.4	
61.0N 145.3W	
h ABOUT 033KM	
COL EP	08 09 28.0
HHM E(P)	08 13 15.3
APR 14	
SLC EP	08 20 09.2
APR 14	
TUC E(P)	08 21 14.0
APR 14	
HHM EP	08 28 34.0
APR 14	
H-08 58 41.9	
17.5S 167.9E	
h ABOUT 033KM	
BCN EP	09 11 42.3
EUR EP	09 11 44.4
TUC E(P)	09 11 50.0
HON E	09 15 20.0
EL	22 18.0
APR 14	
H-09 48 10.9	
56.0N 150.0W	
h ABOUT 025KM	
BUT E(P)	09 53 36.0
APR 14	
H-10 09 01.9	
60.5N 146.1W	
h ABOUT 033KM	
COL EP	10 10 09.0
APR 14	
H-10 58 11.2	
59.9N 146.8W	
h ABOUT 020KM	
COL IP	10 59 27.0
HHM EP	11 03 06.3
TUC E(P)	11 05 16.0
APR 14	
TUC EP	11 28 06.0
APR 14	
TUC E(P)	11 46 25.0
APR 14	
GUA IP	12 08 04.9
E	08 21.9
APR 14	
GUA E(P)	12 28 24.5
APR 14	
COL EP	13 19 29.0

Date and Station	Phase	Phase (GCT) h m s
APR 14		
BCN	IP	14 17 25.3
	IS	17 26.6
APR 14		
COL	EP	14 38 15.0
APR 14		
ALQ	EPN	14 42 18.0
	E	42 31.0
	E	44 13.0
APR 14		
H-14 40 00.1		
37.1N 116.0W		
h ABOUT 000KM		
BCN	IP C	14 40 28.5
	I(S)	40 50.5
EUR	IP	14 40 40.4
SLC	E(P)	14 41 15.2
	E	41 38.9
TUC	EP	14 41 37.5
APR 14		
COL	IP	15 33 48.0
HHM	EP	15 36 14.7
	ES	40 23.8
	I	43 21.8
APR 14		
TUC	E(P)	15 53 32.5
APR 14		
H-15 55 10.9		
61.3N 147.3W		
h ABOUT 030KM		
COL	EP	15 56 06.0
SIT	EP	15 56 57.0
HHM	EP	16 00 13.2
	E	03 44.2
BUT	EP	16 00 36.2
	EL	08 07.2
BOZ	EP D	16 00 45.0
	E	04 32.0
EUR	IP	16 01 11.6
SLC	IP	16 01 16.7
FGU	EP	16 01 25.2
BCN	EP	16 01 42.5
ALQ	IP	16 02 19.0
	E	02 45.0
KIP	E(P)	16 02 43.0
CSC	E(P)	16 04 10.0
APR 14		
H-16 05 46.1		
59.9N 146.0W		
h ABOUT 033KM		
COL	IP	16 07 05.1
HHM	EP	16 10 37.1
APR 14		
ALQ	EP	16 41 17.0
APR 14		
COL	EP	16 53 04.0
APR 14		
H-16 59 30.1		
61.4N 150.8W		
h ABOUT 035KM		
COL	IP	17 00 29.4
BUT	EP	17 05 09.1
BOZ	EP	17 05 17.5
EUR	IP	17 05 43.0
SLC	EP	17 05 48.7
FGU	EP	17 05 56.4
BCN	EP	17 06 13.1
	E>P	06 23.5
ALQ	IP	17 06 50.0
	EPCP	09 03.0
	ESCP	12 46.0
APR 14		
ALQ	EP	17 06 18.0
APR 14		
EUR	IP	17 34 29.6
APR 14		
FGU	IP	18 15 45.4
APR 14		
TUC	EP	18 41 24.0
	E	41 35.5
	IL	42 16.0
BCN	E(P)	18 41 37.2
	I	41 56.0
	IL	42 53.0
EUR	EP	18 42 50.4
APR 14		
TUC	E(P)	18 53 44.4
APR 14		
HHM	E(P)	19 01 12.0
APR 14		
BCN	IP	19 15 47.1
	IS	15 59.0
APR 14		
SIT	EP	20 00 19.7
APR 14		
BUT	E(P)	20 20 56.3
	IL	21 14.3
BOZ	EP	20 20 57.2
	IS	21 12.0
APR 14		
HHM	IP	20 36 03.7
APR 14		
COL	EP	20 53 25.0
APR 14		
EUR	IP	21 02 07.0
APR 14		
BOZ	EP	21 20 03.0
APR 14		
H-21 33 37.3		
61.0N 147.3W		
h ABOUT 040KM		
COL	EP	21 34 38.0
HHM	EP	21 38 38.6
BOZ	EP	21 39 08.5
BCN	EP	21 40 05.7
ALQ	EP	21 40 43.0
TUC	EP	21 40 46.8
APR 14		
FGU	EP	21 35 42.9
	IS	36 06.5
APR 14		
TUC	EP	21 49 08.0
APR 14		
SLC	EP	21 58 18.8
	IS	58 38.3
APR 14		
ALQ	E(P)	22 01 03.0
APR 14		
TUC	IP	22 02 46.4
	I	03 08.0
APR 14		
COL	EP	22 23 53.0
APR 14		
H-22 29 31.1		
59.9N 145.6W		
h ABOUT 023KM		
COL	EP	22 30 46.0
SIT	EP	22 30 58.0
HHM	EP	22 34 20.5
	E	35 02.0
BOZ	EP	22 34 52.9
EUR	IP	22 35 20.1
TUC	EP	22 36 31.4
APR 14		
BCN	EP	22 35 00.0
APR 14		
BCN	E(P)	22 39 07.5
	ES	39 39.5
APR 14		
COL	EP	22 43 34.0
APR 14		
H-22 46 25.3		
19.8S 176.7W		
h ABOUT 235KM		
ALQ	E(P)	22 58 40.0
BOZ	EP	22 58 51.9
APR 14		
H-22 55 31.3		
58.0N 152.6W		
h ABOUT 030KM		
COL	EP	22 57 17.0
SIT	E(P)	22 57 40.4
HHM	EP	23 00 50.9
BUT	EP	23 01 11.3
BOZ	EP	23 01 21.0
	E(S)	06 00.0
EUR	IP	23 01 37.9
SLC	EP	23 01 47.8
BCN	EP	23 02 08.0
	EPCP	04 49.5
RCD	EP	23 02 10.0
KIP	EP	23 02 36.0
HON	EP	23 02 38.0
TUC	IP D	23 02 49.3
	E(S)	08 47.0
	EL	11 47.0
WAS	EP	23 04 31.0
CSC	EP	23 04 41.0
	ES	12 06.0
PHI	E(S)	23 11 41.0
APR 14		
GUA	EP	22 56 52.5
	ES	57 44.0
APR 14		
FGU	EP	23 01 15.0
BCN	E(P)	23 08 35.0
APR 15		
BHP	IP	00 51 42.0
	IS	52 07.0
APR 15		
H-00 58 14.6		
17.8S 178.3W		
h ABOUT 450KM		
TUC	EP	01 09 46.7
ALQ	E(P)	01 10 07.5

Date and Station	Phase (GCT)
	h m s
APR 15	
COL EP	03 00 31.0
APR 15	
COL EP	03 04 58.0
APR 15	
H-03 53 07.5	
59.7N 145.2W	
h ABOUT 033KM	
COL EP	03 54 26.0
APR 15	
BOZ E(P)	04 29 52.0
ES	30 23.0
FGU IP	04 30 30.8
APR 15	
BOZ E(P)	04 52 32.0
FGU IP	04 53 13.0
APR 15	
TUC E(P)	04 59 14.4
APR 15	
BOZ EP	05 27 06.5
FGU EP	05 27 44.5
APR 15	
TUC E(P)	06 28 31.5
I	28 41.3
APR 15	
BCN E(P)	07 01 15.0
EL	02 07.0
APR 15	
H-08 23 27.4	
57.4N 149.5W	
h ABOUT 015KM	
COL IP	08 25 18.4
BUT EP	08 28 55.3
BOZ EP	08 29 04.5
I▸P	29 10.2
FUR IP	08 29 20.3
SLC E(P)	08 29 24.3
FGU EP	08 29 40.6
BCN EP	08 29 50.5
E▸P	29 54.4
ALQ EP	08 30 32.0
EPCP	33 04.0
TUC EP	08 30 33.0
E	30 36.8
CSC EP	08 32 29.0
APR 15	
TUC E(P)	08 38 11.0
E	38 15.5

Date and Station	Phase (GCT)
	h m s
APR 15	
H-09 24 11.1	
60.0N 148.6W	
h ABOUT 033KM	
COL IP	09 25 24.6
APR 15	
TUC E(P)	10 34 57.0
APR 15	
H-11 20 31.4	
57.8N 150.4W	
h ABOUT 033KM	
COL EP D	11 22 16.0
APR 15	
TUC E(P)	12 09 50.0
APR 15	
TUC EP	12 11 02.5
APR 15	
COL IP D	12 48 33.6
I	48 36.2
APR 15	
TUC EP	12 59 16.6
APR 15	
BOZ E(P)	13 18 17.0
E(S)	18 49.0
APR 15	
H-13 37 02.7	
43.1N 111.5W	
h ABOUT 033KM	
BOZ EP	13 37 42.0
IS	38 13.0
SLC EP	13 37 43.6
FGU EP	13 37 48.9
IS	38 19.9
APR 15	
BCN EP	13 41 20.0
APR 15	
COL IP	13 42 33.8
APR 15	
ALQ E(P)	13 48 39.5
APR 15	
H-14 30 00.0	
37.1N 116.4W	
h ABOUT 000KM	
BCN I(P)	14 30 27.5
EUR IP	14 30 41.8
SLC E(P)	14 31 30.8
E	31 56.6
TUC E(P)	14 31 46.0
APR 15	
TUC EP	15 13 09.0

Date and Station	Phase (GCT)
	h m s
APR 15	
H-15 30 47.1	
56.5N 154.4W	
h ABOUT 035KM	
COL EP	15 32 54.0
SIT IP	15 33 13.0
UKI E(P)	15 36 26.5
BUT EP	15 36 33.9
BOZ EP	15 36 44.0
EUR IP	15 36 57.6
SLC IP	15 37 08.3
BCN IP D	15 37 27.0
EPCP	40 13.3
ESCP	43 48.0
RCD EP	15 37 33.0
E	37 41.0
KIP EP	15 37 39.0
HON EP	15 37 40.0
TUC IP D	15 38 07.8
ISCP	44 06.0
ALQ IP	15 38 09.5
EPCP	40 30.0
ESCP	44 07.0
CSC EP	15 40 07.0
WAS E(S)	15 47 19.0
E	55 58.0
EL	59 04.0
PHI E(S)	15 47 21.5
APR 15	
EUR IP	15 43 37.0
APR 15	
BHP EP	15 46 24.0
APR 15	
COL EP	15 54 30.0
APR 15	
GUA EP	16 28 19.4
ES	28 30.5
APR 15	
H-16 35 57.5	
21.7N 088.0E	
h ABOUT 036KM	
ALQ EP'	16 54 51.0
APR 15	
COL EP	16 47 16.0
APR 15	
COL EP	18 08 09.0
APR 15	
COL EP	18 25 50.0

Date and Station	Phase (GCT)
	h m s
APR 15	
BOZ EP	19 02 44.0
ES	02 58.0
APR 15	
COL EP	20 11 44.0
APR 15	
BCN EP	20 17 55.0
EL	18 33.5
APR 15	
H-20 30 35.9	
56.8N 154.2W	
h ABOUT 020KM	
COL EP	20 32 43.0
EUR EP	20 36 48.0
BCN EP	20 37 16.8
E▸P	37 24.5
E▸P	37 28.0
TUC EP	20 37 59.0
APR 15	
H-20 54 39.8	
40.0N 024.7E	
h ABOUT 121KM	
COL EP	21 06 14.0
APR 15	
H-21 35 18.2	
19.7S 175.6W	
h ABOUT 172KM	
TUC EP	21 47 15.0
APR 15	
COL EP	21 45 42.0
EUR EP	21 46 02.4
APR 15	
COL EP	22 02 45.0
APR 15	
ALQ E(P)	22 03 47.0
E(S)	04 21.0
APR 15	
COL EP	22 21 05.0
APR 15	
BCN E(P)	22 47 10.0
APR 15	
ALQ E(P)	22 56 50.0
APR 15	
BCN IP	23 03 45.5
IS	03 57.5
APR 15	
BCN IP	23 19 30.0
IS	19 37.0
APR 15	
BCN EP	23 31 26.2

Date and Station	Phase	(GCT) h m s
APR 16		
H-00 05 12.9		
56.4N 149.2W		
h ABOUT 020KM		
COL	EP	00 07 16.5
TUC	E(P)	00 12 20.5
APR 16		
ALQ	EP	00 22 29.8
APR 16		
HHM	E(P)	00 29 40.5
APR 16		
H-01 04 34.5		
37.0N 142.7E		
h ABOUT 038KM		
COL	EP	01 13 16.0
BUT	EP	01 16 03.3
EUR	IP	01 16 14.6
FGU	E(P)	01 16 25.9
BCN	E(P)	01 16 37.5
	E	16 41.5
	I	17 34.5
TUC	EP	01 16 56.5
ALQ	EP	01 17 02.5
HON	E	01 21 30.0
	EL	26 51.0
APR 16		
HHM	EP	01 05 50.5
APR 16		
TUC	EP	01 29 33.6
APR 16		
BCN	EP	01 49 12.5
	E	49 29.5
APR 16		
H-02 35 48.9		
21.5S 170.5E		
h ABOUT 110KM		
EUR	EP	02 48 45.0
COL	EP	02 48 45.0
APR 16		
TUC	E(P)	02 40 19.0
APR 16		
ALQ	E(P)	02 49 41.0
APR 16		
H-03 19 34.8		
57.2N 151.4W		
h ABOUT 010KM		
COL	EP	03 21 32.0
SIT	E(P)	03 21 40.0
HHM	IP	03 24 51.5
BUT	EP	03 25 11.3
BOZ	EP	03 25 18.0
	I▸P	25 22.0
	E	28 51.0
EUR	IP	03 25 37.2
BCN	EP	03 26 06.5
	E(▸P)	26 12.2
	I	26 16.5
TUC	IP C	03 26 48.7
ALQ	IP	03 26 49.5
	IPCP	29 21.4
	ISCP	32 53.0
CSC	IP	03 28 43.0
APR 16		
FGU	IP	03 20 56.9
APR 16		
SIT	E(P)	03 23 08.2
APR 16		
EUR	EP	03 28 56.4
APR 16		
COL	IP	04 03 58.5
APR 16		
H-04 16 26.7		
30.5N 114.4W		
h ABOUT 033KM		
TUC	EP	04 17 19.2
BCN	IP C	04 17 48.8
	E	18 25.0
	EL	19 58.5
ALQ	E(P)	04 18 22.0
EUR	EP	04 18 38.9
BOZ	E(P)	04 20 08.0
APR 16		
H-04 56 47.2		
31.8N 113.7W		
h ABOUT 019KM		
TUC	E(P)	04 57 21.5
BCN	I(P)	04 57 57.2
ALQ	E(P)	04 58 26.5
EUR	IP	04 58 42.0
BOZ	E(P)	05 00 12.4
	I	00 16.0
	I	00 19.5
HHM	EP	05 00 39.5
APR 16		
BCN	EP	04 57 12.2
	IL	57 37.0
APR 16		
TUC	E(P)	05 32 15.0
APR 16		
SLC	E(P)	06 16 25.8
APR 16		
H-06 20 08.2		
30.8N 113.9W		
h ABOUT 033KM		
TUC	EP	06 20 55.0
BCN	IP C	06 21 26.0
	EL	23 34.0
ALQ	EP	06 21 59.0
	IL	09 24 26.0
EUR	IP	06 22 15.7
SLC	E(P)	06 22 32.8
BOZ	EP	06 23 42.0
	E	23 46.0
HHM	EP	06 24 12.5
APR 16		
H-06 21 32.3		
45.1N 151.3E		
h ABOUT 033KM		
COL	IP	06 28 51.4
HHM	EP	06 31 43.4
BOZ	EP	06 32 04.0
	E	32 18.0
EUR	IP	06 32 12.7
BCN	EP	06 32 31.9
	E	32 45.0
ALQ	E(P)	06 33 05.0
APR 16		
TUC	E(P)	06 41 40.0
APR 16		
H-06 45 43.9		
32.5 113.2W		
h ABOUT 033KM		
TUC	E(P)	06 46 10.0
BCN	E(P)	06 46 31.2
	EL	48 24.7
APR 16		
H-07 03 34.2		
31.3N 113.7W		
h ABOUT 033KM		
TUC	E(P)	07 04 08.8
BCN	IP	07 04 44.9
ALQ	EP	07 05 17.0
	EL	08 46.0
EUR	EP	07 05 34.9
FGU	E(P)	07 06 10.7
BUT	EP	07 07 05.2
HHM	EP	07 07 32.4
APR 16		
H-07 37 35.8		
59.6N 146.9W		
h ABOUT 033KM		
COL	IP	07 38 55.5
	E	39 03.0
HHM	EP	07 42 29.4
BOZ	EP	07 43 00.0
EUR	EP	07 43 25.0
ALQ	E(P)	07 44 36.0
TUC	EP	07 44 38.2
APR 16		
BCN	IP	08 03 24.6
	IS	03 28.9
EUR	EP	08 04 15.8
TUC	EP	08 04 36.5
	EL	05 58.0
APR 16		
ALQ	E(P)	08 05 33.0
APR 16		
BCN	EP	08 19 26.7
	I	20 08.4
APR 16		
H-09 18 12.8		
31.1N 113.8W		
h ABOUT 029KM		
TUC	EP	09 18 55.3
ALQ	EP	09 20 00.0
EUR	IP	09 20 17.2
BUT	EP	09 21 41.6
HHM	E(P)	09 22 14.4
APR 16		
EUR	EP	10 47 11.3
APR 16		
H-11 20 25.2		
14.0N 090.0W		
h ABOUT 209KM		
ALQ	E(P)	11 25 51.0
BCN	E(P)	11 26 41.8
APR 16		
TUC	E(P)	11 44 36.5
BCN	E(P)	11 45 38.5
APR 16		
H-11 45 36.9		
23.8S 180.0W		
h ABOUT 530KM		
TUC	EP	11 57 24.5

Date and Station	Phase (GCT)
	h m s
COL E(P)	11 57 42.0
ALQ E(P)	11 57 48.0
BOZ EP	11 57 53.0
APR 16	
H-11 56 04.5	
58.3N 150.7W	
h ABOUT 033KM	
HHM EP	12 01 15.3
BUT E(P)	12 01 39.8
BOZ EP	12 01 45.0
EUR EP	12 02 04.3
RCD EP	12 02 34.0
BCN EP	12 02 34.4
E	02 40.0
ALQ E(P)	12 03 19.5
EPCP	05 42.0
APR 16	
BCN EP	11 57 41.9
APR 16	
H-12 11 15.7	
58.2N 152.5W	
h ABOUT 033KM	
COL EP	12 12 59.0
HHM EP	12 16 34.8
I>P	16 43.8
BOZ EP	12 17 02.0
BUT E(P)	12 17 04.0
EUR IP	12 17 22.4
FGU EP	12 17 41.7
BCN EP	12 17 52.3
E>P	18 02.0
RCD EP	12 17 53.0
TUC EP	12 18 33.6
ALQ E(P)	12 18 34.0
APR 16	
H-12 46 09.9	
45.3N 150.4E	
h ABOUT 033KM	
COL EP	12 53 31.0
BOZ EP	12 56 42.8
E	56 54.5
EUR IP	12 56 52.5
BCN EP	12 57 10.6
TUC EP	12 57 41.0

Date and Station	Phase (GCT)
	h m s
ALQ EP	12 57 45.5
E	57 58.0
APR 16	
H-13 43 08.9	
52.1N 169.4W	
h ABOUT 033KM	
COL EP	13 47 03.0
SIT E(P)	13 47 55.6
KIP E(P)	13 49 27.0
HHM EP	13 49 57.3
E	52 33.0
BUT E(P)	13 50 14.0
BOZ EP	13 50 23.0
E	50 27.0
EUR IP	13 50 30.6
SLC E(P)	13 50 46.6
BCN EP	13 50 55.3
E	50 58.3
FGU E(P)	13 51 00.8
RCD EP	13 51 14.0
TUC EP	13 51 33.6
ALQ EP	13 51 41.0
E	52 03.0
APR 16	
EUR EP	14 00 42.6
APR 16	
H-14 05 14.9	
7.0S 155.7E	
h ABOUT 078KM	
COL E(P)	14 16 33.0
E	14 17 31.0
EUR IP	14 18 23.4
BOZ E(P)	14 18 40.0
E	14 18 53.0
APR 16	
TUC EP	14 10 15.0
APR 16	
H-14 12 37.6	
52.3N 169.9W	
h ABOUT 040KM	
TUC EP	14 21 03.5
ALQ E(P)	14 21 17.0
APR 16	
ALQ E(P)	14 18 19.0

Date and Station	Phase (GCT)
	h m s
BCN E(P)	14 18 46.3
APR 16	
H-14 21 36.2	
57.6N 150.9W	
h ABOUT 033KM	
COL EP	14 23 25.0
HHM EP	14 26 46.4
BCN EP	14 28 03.8
TUC EP	14 28 45.6
APR 16	
BCN EP	14 22 26.9
APR 16	
H-14 31 16.3	
61.4N 149.2W	
h ABOUT 033KM	
COL IP	14 32 13.0
HHM EP	14 36 26.3
EUR IP	14 37 23.3
TUC EP	14 38 34.7
APR 16	
EUR IP	15 04 29.8
APR 16	
COL EP	15 18 05.0
APR 16	
TUC IP	16 47 17.0
I	47 36.5
ALQ E(P)	16 47 41.0
E(S)	48 28.0
APR 16	
H-17 08 27.2	
59.5N 147.8W	
h ABOUT 033KM	
COL EP	17 09 47.0
BOZ EP	17 13 53.0
E	13 58.0
APR 16	
H-19 26 57.4	
56.4N 152.9W	
h ABOUT 030KM	
COL EP	19 29 03.0
SIT IP	19 29 18.0
HHM IP	19 32 17.3
E(S)	36 31.2
UKI EP	19 32 31.4
BUT EP	19 32 36.1
ES	36 54.1
BOZ EP	19 32 44.2
I	32 47.0
ES	37 00.0

Date and Station	Phase (GCT)
	h m s
EUR IP	19 33 01.3
SLC EP	19 33 12.5
I	33 13.9
FGU IP	19 33 22.7
BCN IP D	19 33 30.4
I	33 32.9
RCD IP	19 33 37.0
KIP IP	19 33 49.8
EPP	35 04.0
ES	39 26.0
EL	41 16.0
ET	20 10 18.0
HON EP	19 33 51.0
ES	39 36.0
TUC IP D	19 34 12.3
EL	40 06.0
ALQ IP	19 34 14.0
EPCP	36 35.0
ESCP	40 16.0
PHI E(P)	19 36 09.4
IS	43 22.0
CSC EP	19 36 11.0
ES	43 38.0
BHP EP	19 38 24.0
SJP IP	19 38 29.0
ES	47 50.0
APR 16	
H-20 12 36.8	
56.6N 152.8W	
h ABOUT 033KM	
COL EP	20 14 42.0
APR 16	
H-21 25 46.0	
58.9N 148.8W	
h ABOUT 033KM	
COL IP	21 27 15.0
HHM EP	21 30 47.2
BOZ EP	21 31 19.0
E	31 23.0
APR 16	
EUR EP	21 26 40.9
APR 16	
COL EP	21 47 43.0
APR 16	
COL EP	22 29 56.0
APR 16	
BOZ E(P)	22 39 03.0
APR 16	
GUA E(P)	22 41 39.0
E	42 27.5

Date and Station	Phase	Phase (GCT) h m s
APR 16		
BOZ	EP	22 53 10.5
APR 16		
TUC	E(P)	22 57 23.5
BCN	E(P)	22 58 26.0
APR 16		
FGU	IP	22 59 15.0
	IS	59 37.5
APR 16		
BOZ	EP	22 59 46.0
	E	59 50.5
APR 16		
COL	IP	23 08 54.0
APR 17		
COL	EP	00 37 55.0
APR 17		
BOZ	EP	02 01 53.0
	ES	02 21.0
APR 17		
H-02 22 17.7		
60.3N 146.9W		
h ABOUT 033KM		
HHM	E(P)	02 27 13.0
APR 17		
H-02 58 27.0		
36.7N 140.5E		
h ABOUT 068KM		
BOZ	EP	03 10 06.5
	E	10 20.0
EUR	IP	03 10 12.5
BCN	EP	03 10 28.3
TUC	E(P)	03 10 53.0
ALQ	EP	03 10 59.0
APR 17		
H-04 03 55.9		
59.6N 144.7W		
h ABOUT 020KM		
SIT	EP	04 05 18.0
COL	IP	04 05 18.1
HHM	EP	04 08 40.1
BUT	EP	04 09 05.2
BOZ	EP	04 09 12.9
EUR	IP	04 09 39.6
BCN	EP	04 10 10.4
ALQ	EP	04 10 49.0
TUC	EP	04 10 52.0

Date and Station	Phase	Phase (GCT) h m s
APR 17		
H-04 16 59.4		
59.6N 144.7W		
h ABOUT 033KM		
COL	EP	04 18 20.0
SIT	E(P)	04 18 20.0
	E(S)	19 19.2
HHM	EP	04 21 41.7
BUT	EP	04 22 07.2
BOZ	EP	04 22 14.9
EUR	IP	04 22 41.1
BCN	EP	04 23 12.0
ALQ	EP	04 23 51.0
TUC	EP	04 23 53.6
APR 17		
TUC	E(P)	04 35 22.5
APR 17		
H-04 49 30.5		
56.4N 152.9W		
h ABOUT 025KM		
COL	EP	04 51 36.0
SIT	IP	04 51 53.0
HHM	EP	04 54 50.2
UKI	E(P)	04 55 02.4
BOZ	EP	04 55 17.0
	E	55 19.5
	E(S)	59 44.0
BUT	E(P)	04 55 22.2
	E	58 12.2
EUR	IP	04 55 33.1
	ISCP	05 03 22.7
SLC	E(P)	04 55 52.7
FGU	EP	04 55 54.6
BCN	EP	04 56 02.4
RCD	IP	04 56 12.0
KIP	EP	04 56 25.0
	EPP	57 39.0
	ES	05 02 00.0
	EL	04 04 08.0
	ET	32 49.0
HON	E(P)	04 56 33.0
	EL	05 02 00.0
	EL	04 04 35.0
	ET	32 56.0
TUC	EP	04 56 43.8
	EL	05 02 41.0

Date and Station	Phase	Phase (GCT) h m s
ALQ	IP	04 56 48.0
	EPCP	59 02.5
	ESCP	05 02 50.0
WAS	EP	04 58 35.0
	ES	05 06 04.0
CSC	EP	04 58 45.0
	ES	17 06 12.0
SJP	IP	05 01 01.2
	IsP	01 05.8
	E	01 23.0
BHP	E(P)	05 01 08.0
APR 17		
SIT	E(P)	05 01 07.7
APR 17		
SLC	EP	05 38 35.0
APR 17		
H-06 00 00.2		
06.6S 154.9E		
h ABOUT 085KM		
GUA	EP	06 04 55.0
	ES	08 56.0
KIP	IP	06 09 16.5
COL	IP	06 12 15.0
SIT	EP	06 12 26.2
EUR	IP	06 13 08.3
BCN	IP	06 13 11.8
	I	13 18.2
	IsP	13 23.5
	EsP	13 31.5
	E(PP)	16 56.7
	EPKKP	30 12.3
HHM	EP	06 13 16.3
BOZ	EP	06 13 24.0
	I	13 27.0
TUC	E(P)	06 13 27.0
FGU	EP	06 13 31.6
ALQ	EP	06 13 43.0
	EPP	16 39.0
SJP	EP'	06 19 08.2
	I	19 17.5
APR 17		
GUA	EP	06 06 45.5
	ES	08 56.0
APR 17		
COL	IP	06 12 40.0
TUC	EP	06 17 19.7
APR 17		
COL	E(P)	06 22 56.0
APR 17		
HHM	EP	06 30 09.2

Date and Station	Phase	Phase (GCT) h m s
APR 17		
BOZ	EP	06 35 35.0
	ES	36 03.0
APR 17		
H-06 53 43.6		
44.1N 114.3W		
h ABOUT 033KM		
BUT	EP	06 54 20.2
	IS	54 42.2
	IL	54 51.2
BOZ	EP	06 54 20.6
	ES	54 51.0
	IL	54 58.5
HHM	EP	06 54 49.2
	E(S)	55 29.0
EUR	EP	06 54 54.2
APR 17		
SIT	E(P)	06 57 12.1
	E	58 04.0
BOZ	E(P)	07 01 06.0
APR 17		
H-07 26 39.0		
61.1N 149.4W		
h ABOUT 033KM		
BOZ	EP	07 32 18.2
APR 17		
COL	EP	08 40 18.0
APR 17		
BOZ	IP	08 43 23.0
	IS	43 35.0
	IL	43 39.0
BUT	EP	08 43 25.2
	IL	43 42.2
HHM	E(P)	08 43 38.0
	EL	44 57.2
APR 17		
HHM	E(P)	09 09 06.0
	EL	09 40.0
APR 17		
H-09 09 07.8		
57.7N 151.4W		
h ABOUT 020KM		
COL	IP	09 10 57.2
SIT	E(P)	09 11 13.4
HHM	IP	09 14 24.2
	E	18 03.2
BUT	EP	09 14 43.2
BOZ	EP D	09 14 51.9
EUR	IP	09 15 10.8
FGU	IP	09 15 30.5

Date and Station	Phase (GCT) h m s
BCN IP	09 15 40.5
E▸P	15 47.3
EPCP	18 25.8
E▸PCP	18 32.5
KIP EP	09 16 14.0
ET	54 18.0
TUC IP D	09 16 22.7
ALQ IP	09 16 23.0
IPCP	18 40.0
ESCP	22 26.0
CSC IP	09 18 15.0
ES	24 18.0
SJP EP	09 20 31.7
E▸P	20 41.0
WAS EL	09 36 28.0
APR 17	
SJP EP	09 22 49.0
APR 17	
COL EP	09 24 27.0
APR 17	
H-09 28 46.6	
20.7S 069.6W	
h ABOUT 033KM	
BOZ EP	09 40 34.0
APR 17	
BCN EP	09 35 58.3
APR 17	
SIT E(P)	09 45 49.5
APR 17	
H-09 59 52.4	
60.4N 145.9W	
h ABOUT 020KM	
COL IP	10 01 02.1
SIT E(P)	10 01 28.7
E	01 32.6
HHM EP	10 04 45.0
I▸P	04 52.2
FGU E(P)	10 04 59.2
BUT EP	10 05 09.2
BOZ EP	10 05 17.5
EUR IP	10 05 44.2
BCN EP	10 06 15.0
E▸P	06 21.0
ALQ IP	10 06 53.5
TUC EP	10 06 56.5
APR 17	
BOZ EP	11 19 42.0
ES	19 54.0

Date and Station	Phase (GCT) h m s
APR 17	
COL EP	11 46 12.0
APR 17	
H-11 48 44.7	
60.0N 145.5W	
h ABOUT 033KM	
COL EP	11 49 58.0
SIT E(P)	11 50 09.0
HHM EP	11 53 31.7
BOZ E(P)	11 54 05.0
EUR IP	11 54 31.5
ALQ EP	11 55 40.5
TUC EP	11 55 44.0
APR 17	
H-12 05 59.9	
60.4N 145.0W	
h ABOUT 033KM	
COL EP	12 07 10.0
HHM EP	12 10 48.2
APR 17	
HHM EP	12 08 22.2
APR 17	
COL IP	13 48 28.1
APR 17	
COL EP	13 57 56.0
APR 17	
BCN EP	14 30 21.4
IL	15 30 44.0
APR 17	
H-14 44 20.8	
16.2S 167.7E	
h ABOUT 065KM	
COL EP	14 57 00.0
EUR EP	14 57 15.4
APR 17	
TUC E(P)	15 42 23.0
APR 17	
BCN E(P)	15 44 02.5
EL	44 40.5
APR 17	
EUR IP	15 45 32.8
APR 17	
BCN IP	16 17 28.3
IS	17 42.5
EUR IP	16 17 58.1
ALQ E(P)	16 18 58.0
APR 17	
FGU E(P)	16 56 32.2

Date and Station	Phase (GCT) h m s
APR 17	
COL EP	18 38 40.0
APR 17	
EUR IP	18 46 47.6
APR 17	
BCN EP	19 06 06.2
APR 17	
SLC EP	19 47 19.9
EUR EP	19 48 08.6
APR 17	
TUC IP	20 06 32.8
IL	06 52.5
ALQ E(P)	20 07 04.5
ES	07 44.8
APR 17	
COL IP	20 28 27.1
APR 17	
TUC EP	20 28 57.7
EL	29 24.0
APR 17	
BOZ E(P)	20 30 42.0
E	31 13.0
APR 17	
FGU IP	20 31 21.3
APR 17	
FGU E(P)	20 37 28.8
IS	37 52.8
APR 17	
TUC E(P)	21 03 33.0
APR 17	
COL EP	21 23 57.0
APR 17	
SLC EP	22 00 14.7
IS	00 42.7
APR 17	
COL EP	22 15 03.0
APR 17	
ALQ E(P)	22 44 34.0
APR 17	
BOZ EP	22 58 10.0
APR 17	
CSC IP	23 07 16.0
APR 17	
COL EP	23 17 46.0
APR 16	
APR 18	
H-00 13 24.4	
59.6N 144.8W	
h ABOUT 033KM	
COL IP	00 14 45.3
SIT E(P)	00 14 51.0
E	15 45.5

Date and Station	Phase (GCT) h m s
HHM IP	00 18 07.4
BOZ EP	00 18 41.5
EUR EP	00 19 06.1
TUC EP	00 20 19.0
APR 18	
H-01 32 18.4	
56.4N 152.8W	
h ABOUT 033KM	
COL IP	01 34 26.0
HHM E(P)	01 37 38.0
TUC E(P)	01 39 37.2
ALQ E(P)	01 39 42.0
APR 18	
H-02 57 27.6	
44.7N 130.2W	
h ABOUT 033KM	
EUR EP	03 00 15.4
BOZ EP	03 00 35.9
APR 18	
H-03 06 43.5	
56.7N 148.9W	
h ABOUT 033KM	
COL EP	03 08 42.0
HHM EP	03 11 43.0
I▸P	11 50.2
BOZ EP	03 12 12.8
EUR IP	03 12 29.2
TUC EP	03 13 41.2
ALQ EP	03 13 42.0
APR 18	
COL EP	03 51 16.0
APR 18	
COL EP	04 24 51.0
APR 18	
BCN EP	05 08 43.5
I	08 58.5
APR 18	
COL IP	05 27 25.0
APR 18	
H-05 27 44.6	
45.5N 151.1E	
h ABOUT 033KM	
COL EP	05 35 00.0
HHM EP	05 37 53.2
BOZ EP	05 38 14.0
I	38 17.1
I▸P	38 24.0

Date and Station	Phase	(GCT)
		h m s
EUR	IP	05 38 21.3
FGU	EP	05 38 43.2
TUC	EP	05 39 13.2
ALQ	IP	05 39 18.5
CSC	EP	05 40 33.5
HON	E	05 43 22.0
	EL	49 28.0
APR 18		
COL	EP	05 31 53.0
APR 18		
BOZ	IP	05 44 08.0
	IL	44 23.0
BUT	E(P)	05 44 10.1
APR 18		
H-05 55 40.5		
45.4N 151.5E		
h ABOUT 033KM		
COL	IP	06 02 56.5
	E	03 03.5
HHM	E(P)	06 05 50.0
BOZ	EP	06 06 12.2
EUR	IP	06 06 18.7
BCN	EP	06 06 39.5
TUC	EP	06 07 08.0
APR 18		
TUC	E(P)	05 59 56.5
	E	06 00 03.2
APR 18		
H-06 27 02.2		
45.6N 151.3E		
h ABOUT 050KM		
BOZ	EP	06 37 31.9
APR 18		
EUR	IP	06 36 19.7
APR 18		
H-07 10 58.5		
60.8N 145.2W		
h ABOUT 033KM		
COL	IP	07 12 03.8
HHM	EP	07 15 49.2
APR 18		
H-07 16 36.4		
59.1N 147.7W		
h ABOUT 033KM		
COL	IP	07 18 02.8
HHM	EP	07 21 33.3
	E	21 38.7

Date and Station	Phase	(GCT)
		h m s
BOZ	EP	07 22 06.4
	E	22 10.4
APR 18		
BCN	IP D	07 23 45.5
	IS	23 47.0
APR 18		
H-07 44 03.4		
60.2N 147.6W		
h ABOUT 033KM		
COL	EP	07 45 13.0
TUC	EP	07 51 12.7
APR 18		
H-07 45 47.6		
56.5N 153.0W		
h ABOUT 033KM		
EUR	EP	07 51 52.0
APR 18		
H-07 47 03.3		
57.4N 149.8W		
h ABOUT 030KM		
COL	E(P)	07 48 53.0
BOZ	E(P)	07 52 38.9
	E	52 42.0
	E	56 04.0
EUR	I(P)	07 52 56.6
FGU	E(P)	07 53 15.7
BCN	EP	07 53 26.0
	E▸P	53 33.0
	EPCP	56 17.0
	E▸CP	56 26.0
ALQ	E(P)	07 54 09.0
	IPCP	56 31.0
	▸PCP	56 41.0
TUC	EP	07 54 09.2
APR 18		
BCN	IP	07 49 22.5
	IS	49 24.5
APR 18		
HHM	EP	07 55 55.7
APR 18		
EUR	IP	07 56 07.6
TUC	EP	07 56 30.5
APR 18		
GUA	E(P)	08 03 06.0
APR 18		
H-07 58 26.9		
29.9N 129.8E		
h ABOUT 033KM		
COL	EP	08 08 33.0
HHM	EP	08 10 53.2
BUT	EP	08 11 03.1

Date and Station	Phase	(GCT)
		h m s
BOZ	EP	08 11 09.9
EUR	IP	08 11 13.7
BCN	E(P)	08 11 28.0
	E(▸P)	11 41.5
FGU	EP	08 11 28.4
TUC	EP	08 11 49.3
APR 18		
COL	EP	09 08 51.0
APR 18		
ALQ	E(P)	09 10 54.0
APR 18		
FGU	E(P)	10 06 06.9
APR 18		
BOZ	EP	11 02 28.0
EUR	EP	11 02 34.7
APR 18		
H-12 41 39.3		
57.4N 154.1W		
h ABOUT 033KM		
COL	EP	12 43 37.0
APR 18		
COL	IP	13 35 35.1
APR 18		
TUC	E(P)	14 01 55.0
APR 18		
EUR	EP	14 11 03.0
COL	EP	14 15 22.0
APR 18		
TUC	EP	14 16 13.0
APR 18		
H-15 14 42.9		
57.4N 152.3W		
h ABOUT 033KM		
COL	EP	15 16 35.0
HHM	EP	15 20 00.6
	E▸P	20 08.1
EUR	IP	15 20 46.3
TUC	EP	15 21 58.0
	E▸P	22 05.7
ALQ	EP	15 21 59.0
APR 18		
BCN	EP	15 21 34.0
	E	21 40.5
ALQ	E(P)	15 23 18.0
	E(S)	23 53.0
APR 18		
SJP	EP	15 53 16.7
	ES	53 32.8

Date and Station	Phase	(GCT)
		h m s
APR 18		
H-16 19 06.1		
20.7N 141.8E		
h ABOUT 300KM		
EUR	EP	16 31 14.1
BOZ	EP	16 31 18.0
APR 18		
COL	E(P)	16 27 21.0
APR 18		
H-17 16 43.8		
57.1N 150.6W		
h ABOUT 033KM		
COL	EP	17 18 38.0
APR 18		
H-17 32 19.2		
56.9N 151.2W		
h ABOUT 033KM		
COL	EP	17 34 18.0
APR 18		
BOZ	EP	17 33 28.5
	EL	34 30.0
APR 18		
H-17 56 16.2		
15.0S 174.3W		
h ABOUT 090KM		
EUR	EP	18 07 59.4
TUC	EP	18 08 00.6
	E	08 05.2
ALQ	EP	18 08 24.0
BOZ	EP	18 08 31.5
	E	08 34.0
APR 18		
BOZ	IP	19 05 36.5
	IL	05 47.0
APR 18		
H-19 25 23.5		
58.9N 148.7W		
h ABOUT 033KM		
COL	EP	19 26 52.0
APR 18		
H-20 08 19.7		
56.1N 153.7W		
h ABOUT 015KM		
COL	EP	20 10 33.0
HHM	EP	20 13 46.1
BOZ	EP	20 14 15.4
	EL	20 53.0
EUR	EP	20 14 28.4
BCN	EP	20 14 56.7
TUC	EP	20 15 38.7

Date and Station	Phase (GCT)
	h m s
ALQ EP	20 15 41.5
ESCP	21 42.5
CSC EP	20 17 42.5
APR 18	
H-20 16 16.3	
56.1N 153.7W	
h ABOUT 030KM	
COL EP	20 18 30.0
HHM EP	20 21 41.1
EUR IP	20 22 26.8
BCN EP	20 22 51.8
EpP	22 00.0
TUC EP	20 23 34.4
ALQ EP	20 23 36.0
ESCP	29 39.0
WAS EL	20 37 10.0
APR 18	
SIT E(P)	20 20 32.5
APR 18	
SIT E(P)	20 28 29.0
COL EP	20 51 53.0
APR 18	
BHP IP	21 29 50.0
APR 18	
BOZ EP	21 37 24.9
APR 18	
COL EP	21 56 21.0
APR 18	
TUC E(P)	22 16 40.5
APR 18	
EUR IP	22 27 05.4
APR 18	
H-23 38 03.4	
59.3N 147.5W	
h ABOUT 020KM	
COL IP	23 39 28.1
HHM EP	23 43 02.0
BOZ EP	23 43 35.8
I	43 37.5
ALQ E(P)	23 45 07.0
APR 19	
H-00 09 48.8	
55.9N 155.8W	
h ABOUT 033KM	
COL EP	00 12 10.0
APR 19	
SIT IP	00 52 30.1

Date and Station	Phase (GCT)
	h m s
APR 19	
TUC EP	01 59 11.0
APR 19	
BUT EP	03 39 52.9
APR 19	
H-03 44 55.2	
55.1S 128.5W	
h ABOUT 033KM	
TUC E(P)	03 57 44.6
ALQ EP	03 57 57.0
E	58 17.0
BCN EP	03 58 00.0
E	58 15.0
EUR IP	03 58 12.4
APR 19	
H-03 56 13.7	
15.4S 173.7W	
h ABOUT 051KM	
BCN EP	04 07 55.0
E	08 12.5
E	08 19.4
TUC EP	04 08 01.0
EUR IP	04 08 01.1
HHM E(P)	04 08 20.0
ALQ EP	04 08 24.0
E	08 53.0
COL IP	04 08 31.1
BOZ EP	04 08 33.0
APR 19	
COL EP	04 55 57.0
APR 19	
COL EP	04 55 57.0
APR 19	
H-05 13 01.6	
41.7S 083.9W	
h ABOUT 033KM	
CSC EP	05 24 43.0
TUC EP	05 24 55.5
ALQ EP	05 25 03.0
IpP	25 10.0
I	25 45.0
BCN EP	05 25 22.0
EUR IP	05 25 39.2
SLC EP	05 25 39.6
BOZ EP	05 26 00.0
EpP	26 07.5
BUT EP	05 26 03.0
HHM E(P)	05 26 16.0

Date and Station	Phase (GCT)
	h m s
HON E(S)	05 37 31.0
EL	56 22.0
APR 19	
H-06 34 14.4	
60.6N 147.4W	
h ABOUT 015KM	
COL IP	06 35 21.1
APR 19	
H-08 35 31.6	
17.7S 167.8E	
h ABOUT 015KM	
BCN EP	08 48 37.7
E	48 43.7
APR 19	
EUR EP	08 57 45.1
APR 19	
H-11 03 39.2	
05.7N 076.5W	
h ABOUT 113KM	
ALQ EP	11 11 06.0
RCD E(P)	11 11 46.0
EUR EP	11 12 16.5
BOZ EP	11 12 25.1
E	12 34.0
APR 19	
BHP IP	11 04 24.0
APR 19	
BCN IP	11 51 43.0
IS	51 44.5
APR 19	
SJP IP	12 01 38.3
IS	01 54.2
APR 19	
H-13 17 11.4	
3.7S 079.4W	
h ABOUT 134KM	
SJP EP	13 22 30.5
ALQ IP	13 25 25.0
BOZ EP	13 26 44.0
APR 19	
H-14 12 21.9	
60.5S 058.3W	
h ABOUT 033KM	
BHP IP	14 23 39.0
CSC E(P)	14 25 47.0
BCN EP'	14 30 52.4
BOZ EP'	14 31 02.0
EPKKP	41 43.0
HHM EP'	14 31 03.8
EPKKP	41 31.3

Date and Station	Phase (GCT)
	h m s
RCD EP'	14 31 11.0
EUR EP'	14 31 22.3
EPKKP	42 02.7
HON E(PP)	14 32 08.0
ESKS	41 36.0
EPKKP	42 52.0
E	44 36.0
ESS	47 15.0
KIP ESKS	14 41 38.0
E	44 [illegible]2.0
ESS	47 26.0
EL	15 04 38.0
APR 19	
COL EP	16 00 44.0
APR 19	
COL IP	17 37 09.2
APR 19	
BCN EP	18 43 40.8
APR 19	
H-18 51 10.9	
60.2N 148.6W	
h ABOUT 033KM	
COL IP	18 52 22.0
HHM IP	18 56 15.9
BUT E(P)	18 56 37.0
BOZ EP	18 56 48.8
EUR IP	18 57 10.6
RCD E(P)	18 57 33.5
TUC EP	18 58 21.4
APR 19	
SLC EP	18 56 48.9
APR 19	
H-19 41 31.3	
13.8S 075.3W	
h ABOUT 096KM	
ALQ E(P)	19 51 [illegible]7.0
IsP	51 41.0
TUC EP	19 51 09.3
EsP	51 43.5
RCD EP	19 51 46.0
EUR IP	19 52 05.3
EpP	52 27.9
EsP	52 38.9
BOZ EP	19 52 20.2
IPCP	52 43.5
HHM EP	19 52 39.8
COL EP	19 54 45.0
APR 19	
COL EP	20 27 13.0

Date and Station	Phase	(GCT) h m s
APR 19		
COL	EP	20 52 50.0
APR 19		
COL	EP	21 04 08.0
APR 19		
TUC	IP	21 37 12.7
	IL	22 10 26.5
APR 19		
COL	EP	22 02 40.0
APR 19		
TUC	IP	22 10 02.7
	IL	10 26.5
APR 19		
EUR	IP	22 29 19.0
APR 20		
COL	EP	00 04 56.0
APR 20		
EUR	EP	00 26 50.2
APR 20		
COL	EP	00 36 17.0
APR 20		
H-01 18 58.8		
8.0N 082.7W		
h ABOUT 016KM		
BHP	IP	01 19 50.0
	IS	20 30.0
SJP	EP	01 23 26.0
BOZ	EP	01 27 14.0
APR 20		
COL	EP	01 42 32.5
TUC	E(P)	01 49 03.5
APR 20		
TUC	IP	01 58 35.4
APR 20		
COL	IP	02 44 17.8
APR 20		
COL	EP	03 03 37.0
APR 20		
TUC	E(P)	03 32 50.6
SIT	E(P)	03 36 23.8
APR 20		
H-03 34 45.1		
59.7N 144.6W		
h ABOUT 030KM		
COL	IP	03 36 04.0
HHM	EP	03 39 27.9
	I▸P	39 35.7
BUT	EP	03 39 53.0
BOZ	EP	03 39 59.2
	E▸P	40 05.5
	EPCP	43 40.0
	E	43 44.9
	E(L)	47 24.0
EUR	IP	03 40 27.3
BCN	EP	03 40 58.2
RCD	EP	03 40 49.0
ALQ	IP	03 41 37.0
	IPCP	44 08.0
TUC	EP	03 41 40.3
CSC	EP	03 43 24.0
WAS	EL	03 57 46.0
PHI	E(L)	03 59 18.0
KIP	ET	04 23 33.0
APR 20		
BOZ	EP	04 28 54.0
APR 20		
BCN	EP	04 31 32.5
APR 20		
BOZ	EP	04 44 42.5
COL	EP	05 08 27.0
APR 20		
COL	EP	06 01 34.0
APR 20		
TUC	E(P)	06 01 37.5
APR 20		
COL	EP	06 15 33.0
APR 20		
COL	IP	06 38 32.1
APR 20		
COL	EP	06 44 46.0
APR 20		
EUR	EP	07 25 34.4
APR 20		
H-08 07 54.8		
60.2N 147.0W		
h ABOUT 015KM		
COL	EP	08 09 08.0
HHM	EP	08 12 53.2
BOZ	EP	08 13 24.0
	I▸P	13 29.8
EUR	EP	08 13 50.3
TUC	EP	08 15 03.3
APR 20		
SJP	IP D	08 24 29.0
	IS	24 40.8
APR 20		
COL	EP	08 39 08.0
APR 20		
EUR	EP	09 27 44.5
APR 20		
COL	EP	09 45 48.0
APR 20		
COL	EP	10 06 02.0
APR 20		
BOZ	EP	10 47 50.0
APR 20		
H-10 51 13.3		
22.9S 069.2W		
h ABOUT 078KM		
ALQ	IP	11 02 04.0
	I▸P	02 30.0
	IPCP	02 41.0
TUC	EP	11 02 05.7
	E▸P	02 31.0
BCN	E(P)	11 02 29.0
RCD	EP	11 02 42.0
	▸P	03 08.0
EUR	IP	11 02 54.0
BOZ	EP	11 03 07.0
	E▸P	03 33.5
BUT	EP	11 03 10.9
	I(▸P)	03 38.0
HHM	E(P)	11 03 13.7
	I	03 23.7
	IPCP	03 49.9
APR 20		
H-10 52 05.3		
18.6S 072.0W		
h ABOUT 033KM		
CSC	EP	11 01 22.0
ALQ	IP	11 02 30.0
TUC	EP	11 02 31.0
BCN	EP	11 03 03.0
	E	03 13.2
BOZ	EP	11 03 33.5
BUT	IP	11 03 38.0
APR 20		
COL	IP	11 14 40.4
APR 20		
H-11 14 48.9		
56.7N 148.1W		
h ABOUT 030KM		
COL	EP	11 16 46.9
HHM	EP	11 19 44.9
BOZ	EP	11 20 13.0
EUR	IP	11 20 31.4
BCN	E(P)	11 21 10.0
	E	21 16.0
APR 20		
EUR	EP	11 24 55.3
COL	EP	11 29 07.0
APR 20		
H-11 56 41.6		
61.4N 147.3W		
h ABOUT 030KM		
COL	IP	11 57 35.6
SIT	IP	11 58 31.0
	ES	12 00 10.0
BUT	IP	12 02 08.9
	IS	06 34.0
	IL	10 03.9
BOZ	EP	12 02 13.2
	I	02 15.0
	I▸P	02 29.0
	IS	07 00.0
	IL	10 00.0
UKI	EP	12 02 19.6
	E▸P	02 36.8
EUR	IP	12 02 42.0
	IL	12 52.6
RCD	EP	12 03 01.0
	EPP	04 25.0
BCN	IP	12 03 13.5
	ES	08 15.0
	ESCP	09 40.0
ALQ	IP	12 03 51.0
	EPP	04 40.0
	EPCP	07 49.0
	E	07 51.0
TUC	EP D	12 03 54.7
	ESCP	09 45.0
KIP	EP	12 04 21.0
	I▸P	04 31.0
	ES	10 32.0
	EL	13 50.0
	ET	46 05.0
HON	E(P)	12 04 30.0
	ES	10 34.0
	EL	13 42.0
PHI	E(P)	12 05 11.2
WAS	EP	12 05 16.0
	ES	12 14.0
	E(L)	16 38.0
CSC	EP	12 05 32.0
	E(▸P)	05 46.0
	E	05 58.0
	ES	12 36.0

Date and Station	Phase (GCT)
	h m s
APR 20	
EUR EP	12 34 55.6
APR 20	
COL IP	13 26 43.8
APR 20	
COL EP	13 47 38.0
APR 20	
H-15 40 28.0	
61.5N 147.3W	
h ABOUT 030KM	
COL IP	15 41 22.3
SIT EP	15 42 15.7
HHM EP	15 45 31.2
I▸P	45 39.7
BUT E(P)	15 45 52.0
BOZ EP	15 45 59.6
E	46 12.0
EUR IP	15 46 29.3
BCN EP	15 46 59.8
E▸P	47 05.8
E▸P	47 09.8
TUC IP D	15 47 41.3
E(▸P)	47 50.7
I▸P	47 55.3
APR 20	
BCN EP	15 45 10.0
E	11 21 16.0
APR 20	
H-16 18 26.4	
60.7N 145.9W	
h ABOUT 015KM	
COL IP	16 19 33.7
SIT E(P)	16 20 04.5
HHM EP	16 23 18.7
I▸P	23 26.9
ES	27 09.7
BUT EP	16 23 42.7
BOZ EP	16 23 50.0
I▸P	23 55.0
ES	28 24.0
EUR IP	16 24 18.7
FGU E(P)	16 24 33.8
BCN E(P)	16 24 43.5
E	24 49.5
ALQ IP	16 25 28.0
ISCP	31 40.0
HON E(S)	16 32 22.0
EL	37 12.0
PHI E(L)	16 38 40.0

Date and Station	Phase (GCT)
	h m s
APR 20	
EUR EP	16 30 46.9
APR 20	
H-16 39 30.0	
59.9N 145.1W	
h ABOUT 010KM	
COL IP	16 40 47.5
HHM EP	16 44 22.7
I	44 27.2
EUR EP	16 45 16.7
TUC EP	16 46 31.0
APR 20	
H-16 49 41.8	
61.4N 147.3W	
h ABOUT 033KM	
HHM EP	16 54 42.7
TUC E(P)	16 57 03.0
APR 20	
COL IP	17 03 20.8
APR 20	
EUR EP	18 36 00.0
APR 20	
H-18 37 34.2	
35.2N 024.5E	
h ABOUT 078KM	
COL IP	18 49 40.6
APR 20	
ALQ E(P)	18 52 33.0
APR 20	
ALQ E(P)	18 55 33.0
APR 20	
COL IP	19 23 41.4
APR 20	
H-19 25 48.0	
61.4N 147.4W	
h ABOUT 033KM	
COL IP	19 26 41.8
APR 20	
H-20 31 23.0	
04.7S 143.1E	
h ABOUT 098KM	
COL EP	20 43 52.8
APR 20	
COL EP	20 46 37.0
APR 20	
COL EP	20 49 09.0
APR 20	
ALQ E(P)	20 59 24.0
E(S)	22 00 03.0
APR 20	
COL EP	21 22 31.0

Date and Station	Phase (GCT)
	h m s
APR 20	
FGU E(P)	21 28 36.5
ES	28 54.8
APR 20	
COL IP	21 40 44.0
APR 20	
COL EP	22 09 41.7
EUR EP	22 14 15.3
▸P	14 21.4
APR 20	
HHM E(P)	22 28 25.7
APR 20	
H-22 30 38.0	
04.2S 102.1E	
h ABOUT 033KM	
HHM EP'	22 49 37.2
CSC EP'	22 50 28.0
APR 20	
BOZ EP	22 37 36.2
ES	37 44.5
APR 20	
FGU IP	22 40 31.5
APR 20	
BOZ EP	22 44 36.0
ES	44 45.0
HHM E(P)	22 45 05.7
ES	45 39.7
APR 20	
TUC E(P)	22 53 31.5
ALQ EP	22 54 02.0
APR 20	
COL EP	22 55 55.0
APR 20	
COL EP	22 58 31.0
APR 20	
COL EP	23 09 15.0
APR 20	
COL EP	23 15 43.0
HHM E(P)	23 19 06.0
APR 20	
COL EP	23 44 16.0
APR 21	
COL IP	00 10 01.5
APR 21	
BOZ EP	00 24 47.8
APR 21	
HHM EP	01 02 04.7
APR 21	
BOZ IP	01 04 14.0
IL	04 19.0

Date and Station	Phase (GCT)
	h m s
APR 21	
COL IP	01 16 14.8
APR 21	
COL EP	02 14 23.0
APR 21	
COL EP	03 24 02.0
APR 21	
EUR EP	04 19 54.2
APR 21	
COL EP	04 33 36.0
APR 21	
H-04 38 44.2	
18.4N 098.1W	
h ABOUT 070KM	
TUC IP D	04 42 51.0
E	42 58.0
ALQ IP	04 42 53.0
I	43 02.0
BCN EP	04 43 44.0
E▸P	43 57.8
ESP	44 04.5
FGU IP	04 43 59.0
RCD E(P)	04 44 09.0
EUR IP	04 44 13.5
HHM EP	04 45 09.9
APR 21	
H-05 01 35.7	
61.5N 147.4W	
h ABOUT 040KM	
COL IP	05 02 28.0
SIT I(P)	05 03 32.0
ES	04 56.0
HHM EP	05 06 37.2
I▸P	06 50.7
BUT EP	05 07 00.1
ES	11 35.6
BOZ EP	05 07 05.8
I	07 07.0
I▸P	07 15.0
I▸P	07 22.0
IS	11 59.8
UKI EP	05 07 15.8
EUR IP	05 07 35.2
SLC IP	05 07 41.0
FGU IP	05 07 49.5
RCD EP	05 07 53.0
E(▸P)	08 07.0

Date and Station	Phase	Phase (GCT) h m s
BCN	IP	05 08 07.9
	I>P	08 17.9
	IsP	08 21.7
	EPP	09 12.0
	EPCP	10 51.4
ALQ	IP	05 08 43.0
	I>P	08 56.0
	EPCP	11 04.0
TUC	EP	05 08 47.9
	EPCP	11 05.8
	E>CP	11 16.2
KIP	IP	05 09 14.0
HON	EP	05 09 17.0
	E(S)	15 52.0
	EL	15 20 12.0
CSC	IP	05 10 25.0
	E	10 39.0
	E	10 49.0
	ES	17 34.0
	EL	27 46.0
SJP	EP	05 12 44.0
APR 21		
BCN	IP	05 05 45.0
	IS	05 49.0
APR 21		
COL	EP	05 21 30.0
APR 21		
H-06 04 36.8		
60.4N 157.2W		
h ABOUT 033KM		
COL	IP	06 06 06.9
APR 21		
COL	IP	06 43 08.5
APR 21		
COL	EP	07 01 07.0
APR 21		
EUR	IP	07 59 01.5
APR 21		
HHM	EP	08 27 20.1
APR 21		
ALQ	EP	08 47 49.0
APR 21		
COL	EP	09 00 40.0
APR 21		
BUT	EP	09 49 26.5
	I	49 18.0
	IL	49 45.5
BOZ	IP	09 49 28.2
	IS	49 54.0
	IL	49 57.0
HHM	EP	09 49 34.1
	I	49 45.6
	E(S)	50 09.6
EUR	EP	09 49 58.9
APR 21		
SLC	E(P)	09 50 48.9
APR 21		
BOZ	IP D	09 55 25.5
	I	55 57.9
	I	57 18.0
APR 21		
COL	EP	10 14 39.0
HHM	E(P)	10 18 07.6
APR 21		
TUC	E(P)	11 01 37.8
APR 21		
EUR	EP	11 18 31.4
APR 21		
EUR	EP	11 23 13.3
APR 21		
TUC	E(P)	11 57 23.5
APR 21		
COL	IP	12 07 22.6
APR 21		
H-12 11 32.9		
44.2N 114.3W		
h ABOUT 033KM		
BUT	EP	12 12 09.4
	ES	12 33.4
BOZ	E(P)	12 12 10.0
	E	12 13.0
	ES	12 44.5
	IL	12 48.0
HHM	EP	12 12 34.6
	EL	16 39.4
EUR	EP	12 12 46.4
APR 21		
COL	IP	12 31 07.5
APR 21		
COL	IP	13 28 39.9
APR 21		
TUC	IP	13 30 19.7
	EL	30 37.5
ALQ	E(P)	13 31 07.0
APR 21		
COL	EP	14 23 03.0
APR 21		
COL	EP	14 36 55.0
APR 21		
UKI	E(P)	15 32 04.5
APR 21		
BOZ	EP	16 11 09.2
	E	11 16.5
APR 21		
EUR	IP	16 37 38.5
APR 21		
ALQ	E(P)	16 41 31.0
APR 21		
COL	EP	17 00 32.0
APR 21		
ALQ	E(P)	17 32 34.0
APR 21		
COL	EP	17 40 49.0
APR 21		
COL	EP	18 25 44.0
APR 21		
H-19 00 53.7		
53.0N 160.5E		
h ABOUT 033KM		
EUR	EP	19 10 31.6
APR 21		
BCN	IP	19 29 05.5
	IS	29 17.5
APR 21		
BOZ	EP	19 50 17.0
	E	50 41.8
APR 21		
EUR	IP	20 23 15.7
APR 21		
BOZ	EP	20 34 56.0
	E	35 00.0
APR 21		
EUR	EP	21 21 47.2
APR 21		
COL	EP	21 31 15.0
APR 21		
TUC	IP	21 40 07.0
	IL	40 26.5
APR 21		
COL	EP	21 40 08.0
APR 21		
ALQ	EP	21 40 38.3
	ES	41 18.0
APR 21		
ALQ	EP	22 26 34.7
	E(S)	27 05.5
TUC	E(P)	22 27 13.0
	E	27 21.6
APR 21		
BCN	EP	22 40 44.5
	EL	41 15.0
APR 21		
BCN	IP	23 12 15.5
	IS	12 27.0
APR 21		
COL	EP	23 16 47.0
APR 22		
H-00 22 10.2		
40.5N 125.1W		
h ABOUT 033KM		
UKI	EP	00 22 39.5
	E	23 37.5
EUR	EP	00 23 52.6
TUC	EP	00 25 31.0
	E	25 37.2
APR 22		
BUT	E(P)	01 04 15.5
HHM	E(P)	01 04 [illegible].0
	EL	05 36.4
APR 22		
COL	EP	01 49 16.0
APR 22		
BOZ	EP	02 03 18.0
	E	03 28.0
APR 22		
COL	EP	02 03 40.0
APR 22		
COL	EP	02 59 11.0
ARP 22		
COL	EP	03 24 46.0
APR 22		
EUR	EP	04 34 36.6
ARP 22		
COL	IP	04 37 48.5
APR 22		
COL	EP	05 42 15.0
APR 22		
BOZ	EP	06 56 51.0
APR 22		
COL	EP	07 08 52.0
APR 22		
BOZ	EP	07 46 54.0
APR 22		
H-09 46 54.2		
56.1N 034.9W		
h ABOUT 033KM		
CSC	E(P)	09 54 13.0
HHM	EP	09 55 19.5
	I	55 51.3
RCD	EP	09 55 32.0
FGU	EP	09 55 41.7
SLC	EP	09 55 52.7
ALQ	EP	09 56 03.0
	E	56 38.0
EUR	IP	09 56 15.2

Date and Station	Phase (GCT)
	h m s
TUC E(P)	09 56 20.0
E	56 33.5
E	57 05.6
BCN E(P)	09 56 29.5
E	57 06.5
APR 22	
H-11 14 43.4	
57.8N 149.5W	
h ABOUT 033KM	
COL IP	11 16 27.9
HHM EP	11 19 45.4
TUC E(P)	11 21 48.2
APR 22	
COL IP	12 13 45.6
APR 22	
COL IP	12 21 51.1
APR 22	
EUR EP	12 45 07.4
APR 22	
COL EP	12 53 25.0
APR 22	
COL EP	13 15 46.0
APR 22	
COL EP	14 32 22.0
APR 22	
COL EP	14 51 34.0
APR 22	
H-14 56 53.1	
12.4N 095.7E	
h ABOUT 033KM	
ALQ EP'	15 16 02.3
APR 22	
COL EP	15 40 24.0
APR 22	
COL EP	16 22 03.0
APR 22	
COL EP	18 44 53.0
APR 22	
COL EP	18 50 00.0
APR 22	
EUR EP	19 08 34.3
APR 22	
H-19 37 53.2	
16.1S 173.4W	
h ABOUT 033KM	
BCN EP	19 49 38.8
TUC EP	19 49 43.9
EUR IP	19 49 44.8
ALQ IP	19 50 08.0
E	50 35.0

Date and Station	Phase (GCT)
	h m s
HHM EP	19 50 16.3
COL EP	19 50 17.0
APR 22	
H-20 00 22.8	
15.5S 167.5E	
h ABOUT 123KM	
KIP IP	20 09 05.8
ES	16 55.0
EL	20 56.0
HON E(P)	20 09 10.0
ES	16 54.0
EL	20 52.0
BCN EP	20 13 06.5
E▸P	13 37.7
EUR IP	20 13 08.5
TUC EP	20 13 16.0
E▸P	13 47.3
ALQ E(P)	20 13 35.0
APR 22	
EUR IP	20 16 41.8
ALQ EP	20 17 29.0
APR 22	
H-20 29 20.3	
58.6N 150.0W	
h ABOUT 033KM	
COL IP	20 30 55.8
HHM IP	20 34 29.1
EUR IP	20 35 17.8
FGU E(P)	20 35 36.6
BCN EP	20 35 47.9
TUC EP D	20 36 30.0
EPCP	38 48.0
APR 22	
CSC EP	21 18 42.0
APR 22	
ALQ E(P)	21 52 03.0
APR 22	
ALQ E(P)	22 15 50.0
E(S)	16 22.0
APR 22	
COL IP	23 17 14.5
APR 22	
EUR EP	23 17 32.4
TUC EP	23 17 43.7
APR 23	
EUR IP	00 25 08.9
APR 23	
ALQ IP	00 38 54.0
E(S)	39 19.0

Date and Station	Phase (GCT)
	h m s
APR 23	
COL IP	01 12 17.6
APR 23	
H-01 31 40.3	
06.7S 155.0E	
h ABOUT 072KM	
COL IP	01 43 56.6
EUR IP	01 44 49.8
APR 23	
H-01 51 10.6	
32.1N 138.7E	
h ABOUT 033KM	
COL E(P)	02 00 32.0
HHM EP	02 03 02.3
EUR IP	02 03 22.9
ALQ E(P)	02 04 16.0
APR 23	
COL EP	01 51 23.0
APR 23	
GUA EP	03 06 11.8
ES	06 22.5
APR 23	
H-03 06 42.6	
56.8N 149.6W	
h ABOUT 033KM	
HHM E(P)	03 11 45.0
APR 23	
H-03 13 55.7	
60.9N 144.3W	
h ABOUT 035KM	
COL EP	03 15 02.0
SIT EP	03 15 22.0
HHM EP	03 18 42.3
ALQ E(P)	03 20 51.0
APR 23	
COL EP	03 24 22.0
APR 23	
COL EP	03 32 33.0
APR 23	
H-03 32 50.3	
05.3S 134.0E	
h ABOUT 033KM	
GUA EP	03 37 41.9
E	38 00.5
ES	39 46.5
EL	41 30.0
HON IP	03 44 13.0
EPP	47 02.0
IS	53 42.0
E	56 26.0
ESS	58 22.0

Date and Station	Phase (GCT)
	h m s
KIP EP	02 44 13.0
E	56 20.0
ESS	58 14.0
ESSS	03 01 40.0
EL	03 52.0
COL EP	03 45 45.0
SIT E(P)	03 46 10.0
HHM EP	03 47 14.8
EPP	50 13.3
EPKKP	04 02 30.3
EUR IP	03 47 15.5
EP'	51 17.0
E	51 39.0
EPKKP	04 02 10.5
BUT EP	03 47 19.4
BCN EP	03 47 23.5
EP'	51 24.5
E▸P'	51 41.5
EPP	51 55.5
EPPP	54 16.0
BOZ EP	03 47 24.2
E	50 22.0
EP'	51 25.0
E	04 01 00.0
FGU E(P)	03 47 32.5
TUC EP	03 47 38.4
EP'	51 31.0
E▸P'	51 47.5
EPP	52 24.5
EPKKP	04 02 12.5
ALQ IP	03 47 53.0
IP'	51 36.0
E▸P'	51 54.0
RCD EP'	03 51 38.0
CSC EP'	03 52 06.0
IP'	52 15.0
EPP	54 54.0
EPKS	55 09.0
E	55 50.0
WAS IP'	03 52 12.0
EPP	54 38.0
BHP IP'	03 52 31.0
PHI EP'	03 52 41.0
EPP	54 53.9
SJP EP'	03 52 45.5
I	53 12.0
E	56 31.5
APR 23	
COL IP	05 02 30.9
APR 23	
TUC E(P)	05 18 44.0
APR 23	
SIT E(P)	05 59 15.0

Date and Station	Phase (GCT) h m s
APR 23	
CSC EP'	06 15 09.0
E	15 23.0
E	18 23.0
SJP IP'	06 15 40.8
I	16 00.0
E	16 13.0
APR 23	
H-07 34 33.7	
36.7S 108.5W	
h ABOUT 033KM	
TUC EP	07 45 35.5
EUR EP	07 46 19.9
APR 23	
H-08 27 01.6	
43.3N 126.5W	
h ABOUT 033KM	
HHM E(P)	08 29 32.2
BOZ EP	08 29 36.8
E	29 38.9
ALQ E(P)	08 31 05.0
APR 23	
TUC E(P)	09 18 37.6
I	19 17.7
APR 23	
COL IP	09 40 27.3
HHM E(P)	09 45 24.2
APR 23	
H-10 32 47.9	
6.6S 155.1E	
h ABOUT 060KM	
COL IP	10 45 05.4
EUR IP	10 45 58.8
HHM EP	10 46 07.2
BOZ EP	10 46 14.2
E	46 18.0
ALQ E(P)	10 46 35.0
APR 23	
COL EP	10 51 44.0
APR 23	
TUC EP	11 16 42.7
APR 23	
H-11 25 54.8	
60.9N 144.6W	
h ABOUT 033KM	
COL EP	11 26 59.0
HHM EP	11 30 40.2
BOZ EP	11 31 12.9
APR 23	
COL EP	11 31 57.0

Date and Station	Phase (GCT) h m s
APR 23	
COL EP	12 14 35.0
APR 23	
ALQ E(P)	13 06 23.0
EUR EP	13 06 49.3
APR 23	
ALQ E(P)	13 31 03.0
APR 23	
SIT E(P)	14 09 42.1
APR 23	
H-14 23 43.2	
36.9N 037.9E	
h ABOUT 057KM	
COL EP	14 35 40.0
HHM E(P)	14 36 46.2
E	36 49.4
APR 23	
COL EP	14 28 42.0
APR 23	
COL EP	14 41 51.0
APR 23	
COL EP	14 51 10.0
APR 23	
H-14 56 30.9	
57.3N 151.9W	
h ABOUT 025KM	
COL EP	14 58 25.0
SIT E(P)	14 58 37.7
HHM IP	15 01 48.2
E	05 26.2
E(S)	06 34.8
BUT EP	15 02 08.3
BOZ EP	15 02 15.0
E	02 19.0
EPCP	05 33.9
E>CP	05 39.5
EUR IP	15 02 34.2
IPCP	05 38.7
FGU E(P)	15 02 52.5
BCN IP D	15 03 03.6
E>P	03 08.1
EPCP	05 48.0
RCD IP	15 03 07.0
TUC IP D	15 03 45.4
E>P	03 52.2
HON E(S)	15 09 14.0
EL	12 58.0
KIP ET	15 40 44.0
APR 23	
SIT E(P)	15 07 11.9

Date and Station	Phase (GCT) h m s
COL IP D	15 07 49.0
APR 23	
HHM EP	15 14 59.6
APR 23	
H-15 47 15.1	
59.9N 147.5W	
h ABOUT 033KM	
COL IP	15 48 29.5
APR 23	
COL EP	16 07 12.0
APR 23	
COL EP	16 49 00.0
APR 23	
COL EP	16 58 59.0
APR 23	
HHM E(P)	17 10 14.0
E	10 49.1
APR 23	
HHM EP	17 28 07.1
ES	28 37.0
APR 23	
ALQ E(P)	18 39 10.0
APR 23	
H-18 44 58.7	
16.6N 099.0W	
h ABOUT 046KM	
ALQ E(P)	18 49 23.0
I	49 29.0
EUR EP	18 50 38.2
APR 23	
BCN I(P)	18 45 00.7
I	45 10.5
APR 23	
ALQ E(P)	18 47 35.0
APR 23	
H-18 58 52.5	
35.2S 069.5W	
h ABOUT 033KM	
ALQ E(P)	19 10 38.0
I	10 49.5
I	10 54.3
TUC EP	19 10 47.0
EUR EP	19 11 31.6
APR 23	
H-21 08 42.0	
52.7N 160.9E	
h ABOUT 033KM	
COL EP	21 14 34.0
HHM E(P)	21 17 40.1
BOZ EP	21 18 06.0
E	19 11.0

Date and Station	Phase (GCT) h m s
EUR IP	21 18 20.1
RCD E(P)	21 18 32.0
ALQ E(P)	21 19 09.0
APR 23	
COL EP	21 20 [illegible].0
APR 23	
HHM IP	21 36 00.1
IL	36 21.6
APR 23	
ALQ E(P)	21 56 06.0
E(S)	56 42.0
TUC EP	21 56 53.6
APR 23	
FGU EP	22 11 38.4
IS	11 56.9
APR 23	
EUR IP	22 27 45.5
APR 23	
ALQ E(P)	22 52 17.0
APR 23	
COL IP	22 58 47.5
APR 23	
FGU IP	23 13 31.3
APR 24	
ALQ E(P)	00 33 28.0
EUR EP	00 34 54.0
APR 24	
H-00 42 33.9	
52.7N 160.9E	
h ABOUT 033KM	
COL EP	00 48 26.0
HHM E(P)	00 51 36.0
BOZ EP	00 51 58.0
EUR IP	00 52 13.0
TUC E(P)	00 53 06.3
ALQ IP	00 53 10.0
E	53 26.0
HON E(S)	00 57 32.0
EL	01 03 40.0
APR 24	
COL IP	00 53 02.0
APR 24	
H-01 20 55.0	
31.5N 093.8W	
h ABOUT 033KM	
ALQ E(P)	01 23 42.0
E	24 29.0
E(S)	25 46.0

Date and Station	Phase (GCT)
	h m s
APR 24	
TUC E(P)	03 08 24.4
APR 24	
H-03 18 16.3	
20.1S 177.8W	
h ABOUT 393KM	
TUC EP	03 29 58.2
APR 24	
COL IP D	03 37 15.0
APR 24	
H-03 51 05.0	
59.5N 144.5W	
h ABOUT 033KM	
COL IP	03 52 27.4
SIT E(P)	03 52 28.7
HHM EP	03 55 46.0
ES	59 40.0
EL	04 02 16.0
BUT EP	03 56 10.4
ES	04 00 19.4
EL	03 02 55.5
BOZ EP	03 56 17.0
EUR IP	03 56 44.9
SLC EP	03 56 53.0
FGU E(P)	03 56 59.7
ALQ IP	03 57 55.5
TUC EP	03 58 00.4
CSC EP	03 59 43.0
ES	04 06 44.0
HON E	03 59 50.0
ES	04 04 26.0
EL	07 28.0
APR 24	
BCN E(P)	03 58 48.0
APR 24	
COL EP	04 02 03.3
APR 24	
H-04 23 05.1	
56.6N 151.7W	
h ABOUT 020KM	
COL EP	04 25 10.0
HHM IP	04 28 20.8
BOZ E(P)	04 28 47.0
EUR EP	04 29 05.4
APR 24	
COL EP	04 34 42.0

Date and Station	Phase (GCT)
	h m s
APR 24	
H-05 56 10.1	
5.1S 144.2E	
h ABOUT 106KM	
GUA EP	06 00 20.5
E	02 04.5
ES	05 55.0
EL	07 05.0
KIP IP	06 06 24.6
E	06 53.0
EPP	08 59.0
ES	14 52.0
E	15 44.0
ESS	19 30.0
EL	21 44.0
HON IP	06 06 24.8
COL IP	06 08 35.9
SIT E(P)	06 08 57.7
UKI EP	06 09 23.5
EUR IP	06 09 48.2
HHM EP	06 09 52.5
E	11 06.0
EPP	14 05.0
EPKKP	26 00.0
BCN EP	06 09 56.2
E	12 18.0
I	10 41.4
EP'	13 08.0
EPP	14 06.8
ESKS	20 41.0
E	21 03.0
E	21 20.5
ES	22 01.0
ESP	23 03.0
BOZ EP	06 10 01.1
I▸P	10 30.0
IPP	14 18.0
ESKS	20 33.0
EPKKP	25 52.0
EP'P'	34 15.0
SLC EP	06 10 04.9
BUT E(P)	06 10 10.5
FGU EP	06 10 10.7
TUC EP	06 10 11.0
EPP	14 11.0
E	14 27.6
E	14 56.4
E(SKS)	20 42.0
ALQ IP	06 10 26.0
E	14 22.0
EPKKP	25 52.0
RCD E(P')	06 14 32.0
CSC EP'	06 15 09.0
WAS IP'	06 15 10.0
IPP	17 19.0
E	19 11.0

Date and Station	Phase (GCT)
	h m s
BHP IP'	06 15 23.0
SJP IP'D	06 15 40.8
I	16 00.0
E	16 13.0
E	16 25.0
PHI EPP	06 17 25.6
I	18 37.0
APR 24	
HHM EP	06 02 30.0
APR 24	
COL IP D	06 14 47.5
APR 24	
H-07 33 53.0	
31.6N 093.8W	
h ABOUT 033KM	
ALQ EP	07 36 28.0
TUC E(P)	07 37 23.0
BOZ EP	07 38 23.0
EL	43 06.0
APR 24	
EUR IP	07 45 05.0
APR 24	
HHM EP	07 45 27.0
APR 24	
BCN I(P)	07 45 42.9
E	46 10.0
E(S)	46 54.0
EL	47 09.5
APR 24	
FGU E(P)	07 47 29.2
APR 24	
ALQ E(P)	07 50 30.0
APR 24	
H-08 19 41.5	
28.0S 069.0W	
h ABOUT 030KM	
HHM EP	08 32 20.0
APR 24	
H-08 57 09.8	
58.7N 149.5W	
h ABOUT 033KM	
COL EP	08 58 41.0
HHM EP	09 02 15.0
BOZ E(P)	09 02 43.5
E	02 46.2
APR 24	
HHM EP	09 18 04.0
BOZ EP	09 18 11.5
E	18 14.0
ALQ E(P)	09 19 18.0

Date and Station	Phase (GCT)
	h m s
APR 24	
COL EP	09 19 26.0
APR 24	
ALQ E(P)	09 55 43.0
APR 24	
H-11 13 23.1	
23.1S 175.9W	
h ABOUT 033KM	
TUC E(P)	11 25 32.6
APR 24	
BCN E(P)	11 25 06.5
EL	25 54.0
APR 24	
COL EP	11 33 16.0
APR 24	
ALQ E(P)	12 10 26.0
APR 24	
H-14 30 07.2	
29.3N 130.1E	
h ABOUT 031KM	
HHM EP	14 42 35.9
APR 24	
H-14 40 28.3	
13.3N 088.8W	
h ABOUT 158KM	
BHP IP	14 42 51.0
CSC IP	14 45 13.0
IS	49 02.0
SJP EP	14 45 14.0
E	45 26.0
E	45 38.5
E(PP)	46 30.5
IL	52 31.0
ALQ IP	14 45 57.0
E	46 15.0
EPCP	49 18.0
ES	50 31.0
WAS IP	14 46 04.0
E	46 34.0
ES	50 34.0
EL	51 32.0
PHI EP	14 46 21.4
BCN EP	14 46 49.0
E	47 01.2
E(▸P)	47 20.6
E(PP)	47 46.5
ES	51 03.5
FGU IP	14 46 50.5
RCD E(P)	14 46 54.0
SLC IP	14 47 00.6
BOZ IP	14 47 30.9
IS	53 11.0

Date and Station	Phase	Phase (GCT) h m s
BUT	IP	14 47 36.5
	E(S)	54 22.5
HHM	E(P)	14 48 55.9
COL	EP	14 50 52.0
HON	E	14 51 42.0
	ES	59 48.0
	E	15 00 51.0
	EL	04 06.0
KIP	ES	14 59 46.0
	E	15 00 49.0
	EL	07 38.0
APR 24		
COL	IP	14 42 29.0
APR 24		
TUC	EP	14 52 46.8
APR 24		
COL	IP	14 52 57.0
APR 24		
BCN	EP	14 53 04.0
APR 24		
ALQ	E(P)	15 18 37.0
APR 24		
EUR	IP	16 32 48.1
APR 24		
COL	EP	17 02 28.0
APR 24		
BUT	EP	18 12 18.5
	I	14 52.5
APR 24		
BOZ	EP	18 20 16.0
APR 24		
COL	EP	19 45 45.2
APR 24		
TUC	EP	19 45 53.0
	EL	46 13.0
ALQ	IP	19 46 25.0
	E(S)	47 04.0
APR 24		
H-19 50 22.3		
51.7N 176.9W		
h ABOUT 050KM		
HHM	EP	19 57 48.9
BOZ	EP	19 58 12.0
EUR	IP	19 58 19.7
BCN	EP	19 58 43.0
TUC	EP	19 59 20.5
SJP	EP	20 03 08.3

Date and Station	Phase	Phase (GCT) h m s
APR 24		
H-20 10 00.2		
37.1N 116.1W		
h ABOUT 000KM		
BCN	IP C	20 10 28.5
EUR	IP	20 10 39.8
SLC	IP	20 11 17.5
	I	11 32.8
	IL	12 26.5
TUC	IP C	20 11 37.5
FGU	IP	20 11 38.9
UKI	E(P)	20 11 47.0
ALQ	IP	20 12 00.0
BOZ	EP	20 12 17.5
	EL	14 48.0
HHM	EP	20 12 45.0
	E	16 02.9
RCD	EP	20 12 56.0
COL	IP	20 16 43.0
APR 24		
COL	EP	20 22 19.0
APR 24		
COL	EP	20 56 59.0
APR 24		
BCN	E(P)	21 14 30.3
ARP 24		
COL	EP	22 08 52.0
APR 24		
ALQ	IP	22 25 28.0
	E(S)	26 00.0
APR 24		
FGU	EP	22 59 29.2
APR 24		
BOZ	EP	22 59 59.9
APR 24		
ALQ	E(P)	23 11 16.0
	E(S)	11 46.0
APR 24		
COL	EP	23 14 12.5
APR 24		
BOZ	EP	23 17 35.2
APR 24		
SJP	EP	23 21 56.0
	E(S)	21 41.5
APR 25		
H-00 17 56.1		
60.3N 147.0W		
h ABOUT 033KM		
COL	EP	00 19 06.0

Date and Station	Phase	Phase (GCT) h m s
HHM	EP	00 22 52.3
APR 25		
EUR	EP	00 40 24.7
BCN	E(P)	00 40 26.5
	EL	41 33.0
ARP 25		
GUA	IP	00 48 06.9
	ES	48 13.1
APR 25		
H-00 51 08.0		
59.9N 147.1W		
h ABOUT 033KM		
COL	EP	00 52 22.0
HHM	EP	00 56 01.8
BOZ	EP	00 56 35.0
APR 25		
EUR	IP	00 55 09.6
APR 25		
COL	EP	01 15 59.0
APR 25		
H-01 59 14.4		
60.0N 145.1W		
h ABOUT 033KM		
COL	EP	02 00 29.0
HHM	EP	02 04 04.8
APR 25		
BOZ	E(P)	02 27 52.0
APR 25		
BOZ	EP	03 12 40.0
APR 25		
BCN	EP	03 35 08.6
	EL	35 33.0
APR 25		
H-03 48 35.8		
37.3S 094.5W		
h ABOUT 033KM		
TUC	E(P)	03 59 50.0
FGU	E(P)	04 00 38.2
BOZ	EP	04 01 08.0
APR 25		
H-05 36 42.2		
06.7S 155.0E		
h ABOUT 072KM		
COL	IP	05 48 58.7
EUR	IP	05 49 52.1
FGU	EP	05 50 14.3
APR 25		
BOZ	EP	05 49 23.0

Date and Station	Phase	Phase (GCT) h m s
APR 25		
H-05 56 40.8		
45.6N 149.1E		
h ABOUT 033KM		
BOZ	EP	06 07 17.0
APR 25		
COL	EP	06 04 57.0
APR 25		
TUC	EP	06 43 05.2
BOZ	EP	06 43 23.0
ALQ	E(P)	06 43 27.0
APR 25		
H-07 01 19.7		
59.8N 145.3W		
h ABOUT 033KM		
COL	EP	07 02 38.0
APR 25		
H-09 43 30.7		
59.9N 144.9W		
h ABOUT 030KM		
COL	IP	09 44 47.5
BUT	E(P)	09 48 37.6
	E	48 42.6
BOZ	EP	09 48 47.9
	ES	53 33.0
EUR	IP	09 49 1[illegible].2
SLC	EP	09 49 24.1
RCD	E(P)	09 49 38.0
FGU	IP	09 49 30.8
BCN	EP	09 49 46.2
	E	49 48.4
	EPCP	51 41.5
	E	51 44.9
	ESCP	55 25.3
ALQ	IP	09 50 26.0
	EPCP	52 53.0
	ESCP	56 41.0
	EL	10 03 29.0
TUC	EP	09 50 27.2
	EPCP	52 57.3
	ESCP	56 41.2
CSC	EP	09 52 11.0
SJP	EP	09 54 33.5
HON	ES	09 57 10.0
	EL	10 01 36.0
WAS	EL	10 08 00.0
	E	11 33.0
KIP	ET	10 32 13.0
APR 25		
SIT	E(P)	09 45 48.6

Date and Station	Phase (GCT)
	h m s
APR 25	
EUR EP	09 52 31.4
APR 25	
COL IP	09 54 27.4
APR 25	
H-11 07 51.8	
49.8N 155.6E	
h ABOUT 080KM	
COL IP	11 14 18.6
BOZ EP	11 17 43.0
E(pP)	17 53.5
EUR IP	11 17 54.5
APR 25	
TUC E(P)	11 14 42.4
APR 25	
COL IP	11 24 49.5
APR 25	
H-11 34 29.3	
57.6N 150.8W	
h ABOUT 033KM	
HHM EP	11 39 38.7
E	40 01.7
BOZ EP	11 40 08.0
APR 25	
COL IP	11 44 15.0
APR 25	
H-12 44 09.6	
35.2N 027.6E	
h ABOUT 027KM	
HHM EP	12 57 09.2
BOZ EP	12 57 16.8
APR 25	
COL EP	12 45 40.0
APR 25	
COL IP	13 00 13.4
APR 25	
BOZ E(P)	14 16 10.0
APR 25	
BOZ EP	15 52 22.0
EL	52 44.0
APR 25	
H-16 10 01.3	
59.9N 146.1W	
h ABOUT 033KM	
COL EP	16 11 16.0
HHM EP	16 14 50.9
BOZ E(P)	16 15 20.0
E	15 23.0
EUR IP	16 15 50.4

Date and Station	Phase (GCT)
	h m s
BCN EP	16 16 23.4
E	16 30.1
ALQ E(P)	16 16 53.0
TUC EP	16 17 02.5
APR 25	
BOZ E(P)	17 18 52.0
E	20 15.0
APR 25	
ALQ E(P)	17 46 58.0
APR 25	
COL IP	18 10 48.0
HHM E(P)	18 14 42.0
APR 25	
H-18 11 24.4	
60.7N 145.3W	
h ABOUT 033KM	
COL EP	18 12 30.0
BOZ E(P)	18 16 44.0
APR 25	
BOZ EP	18 23 25.0
ES	23 35.0
APR 25	
H-18 37 58.1	
24.4N 125.3E	
h ABOUT 033KM	
GUA IP	18 42 45.0
IS	46 44.0
ET	19 04 18.0
COL EP	18 48 50.0
HHM EP	18 50 58.8
I	50 11.1
BUT E(P)	18 51 07.0
E(pP)	51 19.8
BOZ EP	18 51 12.0
I	51 25.0
EUR IP	18 51 18.2
FGU EP	18 51 31.2
BCN EP	18 51 32.1
E(pP)	51 41.6
I	51 44.1
E(PP)	55 25.1
TUC E(P)	18 52 01.5
APR 25	
COL EP D	18 50 28.7
EUR EP	18 55 00.6
TUC EP	18 55 58.8
APR 25	
COL EP	19 03 36.0

Date and Station	Phase (GCT)
	h m s
APR 25	
COL IP	19 20 43.3
APR 25	
COL EP	20 56 07.0
HHM E(P)	21 00 26.1
APR 25	
ALQ E(P)	21 19 34.0
APR 25	
COL EP	21 28 44.0
APR 25	
H-21 29 30.4	
19.8N 071.2W	
h ABOUT 035KM	
SJP EP	21 30 45.2
I	30 52.0
EL	31 53.0
ALQ IP	21 36 19.0
BCN EP	21 37 18.1
BOZ EP	21 37 21.0
IpP	37 29.0
HHM EP	21 37 42.1
IpP	37 49.4
APR 25	
BCN EP	21 55 55.4
APR 25	
COL EP	22 14 35.0
APR 25	
BCN E(P)	22 47 58.6
EL	48 28.1
APR 25	
COL EP	22 48 55.0
APR 25	
BCN EP	22 48 58.6
APR 26	
H-01 17 11.7	
14.9N 092.5W	
h ABOUT 045KM	
ALQ IP	01 22 21.0
E	22 34.0
TUC E(P)	01 22 36.0
EUR EP	01 23 36.7
APR 26	
HHM E(P)	01 43 44.5
E	43 57.9
I	44 30.6
IL	44 50.6
BOZ EP	01 44 22.0
E	45 25.0
EL	46 07.0
EUR EP	01 45 05.5

Date and Station	Phase (GCT)
	h m s
APR 26	
SJP EP	01 34 21.0
E(S)	34 39.0
APR 26	
COL EP	01 36 20.0
APR 26	
BUT E(P)	01 45 40.0
APR 26	
COL EP	03 22 43.0
APR 26	
ALQ E(P)	03 29 40.0
APR 26	
SJP EP	04 00 52.5
E(S)	01 13.0
APR 26	
BCN EP	05 29 14.3
ES	29 42.0
EUR EP	05 29 41.9
APR 26	
TUC E(P)	05 31 54.3
APR 26	
EUR IP	06 22 36.6
APR 26	
COL EP	08 07 42.0
APR 26	
EUR EP	08 30 38.2
APR 26	
ALQ IP	08 38 13.0
APR 26	
COL IP	08 39 33.2
APR 26	
ALQ IP	08 39 21.0
TUC EP	08 39 49.0
APR 26	
SJP EP	09 42 06.0
APR 26	
TUC E(P)	10 02 54.4
APR 26	
H-10 09 19.4	
17.3N 098.1W	
h ABOUT 033KM	
TUC E(P)	10 13 40.0
ALQ EP	10 13 42.8
FGU IP	10 14 47.8
BOZ E(P)	10 15 31.0
APR 26	
H-13 59 27.7	
05.8S 105.0E	
h ABOUT 090KM	
COL EP	14 13 18.2

Date and Station	Phase	Phase (GCT) h m s
BUT	IP	14 47 36.5
	E(S)	54 22.5
HHM	E(P)	14 48 55.9
COL	EP	14 50 52.0
HON	E	14 51 42.0
	ES	59 48.0
	E	15 00 51.0
	EL	04 06.0
KIP	ES	14 59 46.0
	E	15 00 49.0
	EL	07 38.0
APR 24		
COL	IP	14 42 29.0
APR 24		
TUC	EP	14 52 46.8
APR 24		
COL	IP	14 52 57.0
APR 24		
BCN	EP	14 53 04.0
APR 24		
ALQ	E(P)	15 18 37.0
APR 24		
EUR	IP	16 32 48.1
APR 24		
COL	EP	17 02 28.0
APR 24		
BUT	EP	18 12 18.5
	I	14 52.5
APR 24		
BOZ	EP	18 20 16.0
APR 24		
COL	EP	19 45 45.2
APR 24		
TUC	EP	19 45 53.0
	EL	46 13.0
ALQ	IP	19 46 25.0
	E(S)	47 04.0
APR 24		
H-19 50 22.3		
51.7N 176.9W		
h ABOUT 050KM		
HHM	EP	19 57 48.9
BOZ	EP	19 58 12.0
EUR	IP	19 58 19.7
BCN	EP	19 58 43.0
TUC	EP	19 59 20.5
SJP	EP	20 03 08.3
APR 24		
H-20 10 00.2		
37.1N 116.1W		
h ABOUT 000KM		
BCN	IP C	20 10 28.5
EUR	IP	20 10 39.8
SLC	IP	20 11 17.5
	I	11 32.8
	IL	12 26.5
TUC	IP C	20 11 37.5
FGU	IP	20 11 38.9
UKI	E(P)	20 11 47.0
ALQ	IP	20 12 00.0
BOZ	EP	20 12 17.5
	EL	14 48.0
HHM	EP	20 12 45.0
	E	16 02.9
RCD	EP	20 12 56.0
COL	IP	20 16 43.0
APR 24		
COL	EP	20 22 19.0
APR 24		
COL	EP	20 56 59.0
APR 24		
BCN	E(P)	21 14 30.3
ARP 24		
COL	EP	22 08 52.0
APR 24		
ALQ	IP	22 25 28.0
	E(S)	26 00.0
APR 24		
FGU	EP	22 59 29.2
APR 24		
BOZ	EP	22 59 59.9
APR 24		
ALQ	E(P)	23 11 16.0
	E(S)	11 46.0
APR 24		
COL	EP	23 14 12.5
APR 24		
BOZ	EP	23 17 35.2
APR 24		
SJP	EP	23 21 56.0
	E(S)	21 41.5
APR 25		
H-00 17 56.1		
60.3N 147.0W		
h ABOUT 033KM		
COL	EP	00 19 06.0
HHM	EP	00 22 52.3
APR 25		
EUR	EP	00 40 24.7
BCN	E(P)	00 40 26.5
	EL	41 33.0
ARP 25		
GUA	IP	00 48 06.9
	ES	48 13.1
APR 25		
H-00 51 08.0		
59.9N 147.1W		
h ABOUT 033KM		
COL	EP	00 52 22.0
HHM	EP	00 56 01.8
BOZ	EP	00 56 35.0
APR 25		
EUR	IP	00 55 09.6
APR 25		
COL	EP	01 15 59.0
APR 25		
H-01 59 14.4		
60.0N 145.1W		
h ABOUT 033KM		
COL	EP	02 00 29.0
HHM	EP	02 04 04.8
APR 25		
BOZ	E(P)	02 27 52.0
APR 25		
BOZ	EP	03 12 40.0
APR 25		
BCN	EP	03 35 08.6
	EL	35 33.0
APR 25		
H-03 48 35.8		
37.3S 094.5W		
h ABOUT 033KM		
TUC	E(P)	03 59 50.0
FGU	E(P)	04 00 38.2
BOZ	EP	04 01 08.0
APR 25		
H-05 36 42.2		
06.7S 155.0E		
h ABOUT 072KM		
COL	IP	05 48 58.7
EUR	IP	05 49 52.1
FGU	EP	05 50 14.3
APR 25		
BOZ	EP	05 49 23.0
APR 25		
H-05 56 40.8		
45.6N 149.1E		
h ABOUT 033KM		
BOZ	EP	06 07 17.0
APR 25		
COL	EP	06 04 57.0
APR 25		
TUC	EP	06 43 05.2
BOZ	EP	06 43 23.0
ALQ	E(P)	06 43 27.0
APR 25		
H-07 01 19.7		
59.8N 145.3W		
h ABOUT 033KM		
COL	EP	07 02 38.0
APR 25		
H-09 43 30.7		
59.9N 144.9W		
h ABOUT 030KM		
COL	IP	09 44 47.5
BUT	E(P)	09 48 37.6
	E	48 42.6
BOZ	EP	09 48 47.9
	ES	53 33.0
EUR	IP	09 49 14.2
SLC	EP	09 49 24.1
RCD	E(P)	09 49 38.0
FGU	IP	09 49 30.8
BCN	EP	09 49 46.2
	E	49 48.4
	EPCP	51 41.5
	E	51 44.9
	ESCP	55 25.3
ALQ	IP	09 50 26.0
	EPCP	52 53.0
	ESCP	56 41.0
	EL	10 03 29.0
TUC	EP	09 50 27.2
	EPCP	52 57.3
	ESCP	56 41.2
CSC	EP	09 52 11.0
SJP	EP	09 54 33.5
HON	ES	09 57 10.0
	EL	10 01 36.0
WAS	EL	10 08 00.0
	E	11 33.0
KIP	ET	10 32 13.0
APR 25		
SIT	E(P)	09 45 48.6

Date and Station	Phase (GCT)
	h m s
APR 25	
EUR EP	09 52 31.4
APR 25	
COL IP	09 54 27.4
APR 25	
H-11 07 51.8	
49.8N 155.6E	
h ABOUT 080KM	
COL IP	11 14 18.6
BOZ EP	11 17 43.0
E(pP)	17 53.5
EUR IP	11 17 54.5
APR 25	
TUC E(P)	11 14 42.4
APR 25	
COL IP	11 24 49.5
APR 25	
H-11 34 29.3	
57.6N 150.8W	
h ABOUT 033KM	
HHM EP	11 39 38.7
E	40 01.7
BOZ EP	11 40 08.0
APR 25	
COL IP	11 44 15.0
APR 25	
H-12 44 09.6	
35.2N 027.6E	
h ABOUT 027KM	
HHM EP	12 57 09.2
BOZ EP	12 57 16.8
APR 25	
COL EP	12 45 40.0
APR 25	
COL IP	13 00 13.4
APR 25	
BOZ E(P)	14 16 10.0
APR 25	
BOZ EP	15 52 22.0
EL	52 44.0
APR 25	
H-16 10 01.3	
59.9N 146.1W	
h ABOUT 033KM	
COL EP	16 11 16.0
HHM EP	16 14 50.9
BOZ E(P)	16 15 20.0
E	15 23.0
EUR IP	16 15 50.4

Date and Station	Phase (GCT)
	h m s
BCN EP	16 16 23.4
E	16 30.1
ALQ E(P)	16 16 53.0
TUC EP	16 17 02.5
APR 25	
BOZ E(P)	17 18 52.0
E	20 15.0
APR 25	
ALQ E(P)	17 46 58.0
APR 25	
COL IP	18 10 48.0
HHM E(P)	18 14 42.0
APR 25	
H-18 11 24.4	
60.7N 145.3W	
h ABOUT 033KM	
COL EP	18 12 30.0
BOZ E(P)	18 16 44.0
APR 25	
BOZ EP	18 23 25.0
ES	23 35.0
APR 25	
H-18 37 58.1	
24.4N 125.3E	
h ABOUT 033KM	
GUA IP	18 42 45.0
IS	46 44.0
ET	19 04 18.0
COL EP	18 48 50.0
HHM EP	18 50 58.8
I	50 11.1
BUT E(P)	18 51 07.0
E(pP)	51 19.8
BOZ EP	18 51 12.0
I	51 25.0
EUR IP	18 51 18.2
FGU EP	18 51 31.2
BCN EP	18 51 32.1
E(pP)	51 41.6
I	51 44.1
E(PP)	55 25.1
TUC E(P)	18 52 01.5
APR 25	
COL EP D	18 50 28.7
EUR EP	18 55 00.6
TUC EP	18 55 58.8
APR 25	
COL EP	19 03 36.0

Date and Station	Phase (GCT)
	h m s
APR 25	
COL IP	19 20 43.3
APR 25	
COL EP	20 56 07.0
HHM E(P)	21 00 26.1
APR 25	
ALQ E(P)	21 19 34.0
APR 25	
COL EP	21 28 44.0
APR 25	
H-21 29 30.4	
19.8N 071.2W	
h ABOUT 035KM	
SJP EP	21 30 45.2
I	30 52.0
EL	31 53.0
ALQ IP	21 36 19.0
BCN EP	21 37 18.1
BOZ EP	21 37 21.0
IpP	37 29.0
HHM EP	21 37 42.1
IpP	37 49.4
APR 25	
BCN EP	21 55 55.4
APR 25	
COL EP	22 14 35.0
APR 25	
BCN E(P)	22 47 58.6
EL	48 28.1
APR 25	
COL EP	22 48 55.0
APR 25	
BCN EP	22 48 58.6
APR 26	
H-01 17 11.7	
14.9N 092.5W	
h ABOUT 045KM	
ALQ IP	01 22 21.0
E	22 34.0
TUC E(P)	01 22 36.0
EUR EP	01 23 36.7
APR 26	
HHM E(P)	01 43 44.5
E	43 57.9
I	44 30.6
IL	44 50.6
BOZ EP	01 44 22.0
E	45 25.0
EL	46 07.0
EUR EP	01 45 05.5

Date and Station	Phase (GCT)
	h m s
APR 26	
SJP EP	01 34 21.0
E(S)	34 39.0
APR 26	
COL EP	01 36 20.0
APR 26	
BUT E(P)	01 45 40.0
APR 26	
COL EP	03 22 43.0
APR 26	
ALQ E(P)	03 29 40.0
APR 26	
SJP EP	04 00 52.5
E(S)	01 13.0
APR 26	
BCN EP	05 29 14.3
ES	29 42.0
EUR EP	05 29 41.9
APR 26	
TUC E(P)	05 31 54.3
APR 26	
EUR IP	06 22 36.6
APR 26	
COL EP	08 07 42.0
APR 26	
EUR EP	08 30 38.2
APR 26	
ALQ IP	08 38 13.0
APR 26	
COL IP	08 39 33.2
APR 26	
ALQ IP	08 39 21.0
TUC EP	08 39 49.0
APR 26	
SJP EP	09 42 06.0
APR 26	
TUC E(P)	10 02 54.4
APR 26	
H-10 09 19.4	
17.3N 098.1W	
h ABOUT 033KM	
TUC E(P)	10 13 40.0
ALQ EP	10 13 42.8
FGU IP	10 14 47.8
BOZ E(P)	10 15 31.0
APR 26	
H-13 59 27.7	
05.8S 105.0E	
h ABOUT 090KM	
COL EP	14 13 18.2

Date and Station	Phase	Phase (GCT) h m s
EUR	EP'	14 18 14.9
	I	18 31.6
	E(SKP)	21 59.8
HHM	EP'	14 18 22.6
BOZ	IP'	14 18 29.0
ALQ	EP'	14 18 31.0
	ESKP	22 19.0
TUC	EP'	14 18 33.5
BCN	EP'	14 18 35.4
	E	18 38.5
	E	19 09.0
	E	21 59.8
	ESKP	22 09.5
FGU	IP'	14 18 35.8
	ESKP	21 59.8
RCD	EP	14 18 37.0
	ESKP	22 07.0
CSC	EP'	14 19 13.5
	E	19 32.0
APR 26		
COL	EP	14 12 46.0
APR 26		
COL	EP	14 16 36.0
APR 26		
COL	EP	14 17 35.0
APR 26		
H-14 52 07.6		
20.6S 178.0W		
h ABOUT 490KM		
GUA	IP	15 00 16.4
BCN	IP C	15 03 38.3
	E	04 16.6
	E	04 24.4
TUC	IP C	15 03 43.2
	E>P	05 31.7
EUR	IP	15 03 43.3
FGU	EP	15 04 03.3
	I	04 06.3
ALQ	IP	15 04 04.0
	E	04 16.0
	E(>P)	06 10.0
COL	IP	15 04 05.8
HHM	EP	15 04 10.7
BOZ	IP	15 04 11.8
	IPCP	04 16.0
	I>P	06 06.0
RCD	EP	15 04 35.0
	E>P	06 30.0
APR 26		
SJP	IP	17 07 36.3
	I	07 50.6
	IL	07 59.7
APR 26		
COL	EP	18 21 35.0
APR 26		
BCN	EP	20 07 07.8
APR 26		
SLC	EP	20 08 56.7
	IS	09 14.5
FGU	IP	20 09 28.6
EUR	EP	20 09 46.0
APR 26		
COL	IP D	20 24 55.1
APR 26		
COL	IP	20 45 25.3
APR 26		
TUC	E(P)	21 36 02.0
APR 26		
COL	EP	21 43 06.0
APR 26		
EUR	EP	21 38 19.5
APR 26		
COL	IP	22 02 29.0
APR 26		
H-22 34 48.6		
60.4S 024.6W		
h ABOUT 033KM		
BOZ	EP'	22 53 50.0
APR 26		
COL	IP	23 20 28.3
APR 26		
COL	EP	23 24 15.0
APR 26		
COL	EP	23 39 34.0
TUC	E(P)	23 46 37.0
APR 27		
H-01 37 12.1		
00.3N 098.1E		
h ABOUT 033KM		
COL	I(P)	01 49 54.9
HHM	EP'	01 56 08.0
BOZ	EP'	01 56 15.0
	E(PP)	58 18.0
EUR	IP'	01 56 22.3
BCN	EP'	01 56 36.0
	E(PP)	59 59.0
TUC	EP'	01 56 37.0
ALQ	EP'	01 56 38.0
FGU	E(PP)	01 59 33.7
APR 27		
H-04 21 15.9		
08.6S 148.1E		
h ABOUT 110KM		
SJP	EP'	04 40 41.9
APR 27		
TUC	E(P)	04 56 47.8
APR 27		
TUC	E(P)	04 59 59.5
APR 27		
H-06 44 25.1		
60.1S 151.0E		
h ABOUT 033KM		
KIP	I(P)	06 57 38.8
	ES	07 08 42.0
	EPS	06 09 47.0
	ESS	14 12.0
	EL	21 22.0
TUC	EP'	07 03 21.8
ALQ	EP'	07 03 24.0
EUR	IP'	07 03 27.5
FGU	EP'	07 03 31.3
BCN	EP'	07 03 32.6
HHM	EP'	07 03 34.0
COL	EP'	07 03 35.0
BOZ	EP'	07 03 40.0
	E	03 48.0
SJP	EP'	07 03 41.0
WAS	EP'	07 04 12.0
HON	ES	07 08 39.0
	IPS	09 47.0
	ESS	14 08.0
	EL	21 22.0
APR 27		
SJP	EP	07 07 17.2
APR 27		
EUR	EP	08 10 53.0
APR 27		
H-09 09 07.2		
16.6N 094.8W		
h ABOUT 033KM		
TUC	EP	09 13 55.0
APR 27		
BOZ	EP	10 49 46.0
EUR	EP	10 49 57.0
APR 27		
TUC	E(P)	11 40 02.0
APR 27		
H-12 07 52.7		
04.0N 031.1W		
h ABOUT 033KM		
ALQ	E(P)	12 19 38.0
TUC	EP	12 19 56.0
BCN	EP	12 20 16.2
	E	20 21.2
EUR	EP	12 20 20.6
APR 27		
COL	EP	13 24 36.0
APR 27		
COL	EP	14 30 42.0
APR 27		
H-14 36 18.2		
19.8S 170.1E		
h ABOUT 274KM		
TUC	EP	14 49 00.5
APR 27		
H-19 09 39.0		
60.5N 146.5W		
h ABOUT 033KM		
COL	IP	19 10 46.6
HHM	EP	19 14 33.6
BOZ	EP	19 15 03.9
EUR	IP	19 15 31.7
TUC	EP	19 16 44.0
APR 27		
H-20 25 04.1		
59.8N 148.4W		
h ABOUT 033KM		
COL	IP	20 26 21.2
HHM	EP	20 30 05.4
APR 27		
COL	EP	20 54 10.0
APR 27		
HHM	EP	20 59 34.4
APR 27		
BCN	E(P)	22 44 47.8
	ES	45 19.0
APR 27		
EUR	EP	23 37 01.7
APR 27		
H-00 30 45.6		
31.5N 093.8W		
h ABOUT 033KM		
ALQ	E(P)	00 33 33.0
	E(S)	34 16.0
	EL	35 37.0
TUC	E(P)	00 34 06.5

Date and Station	Phase (GCT)
	h m s
BOZ EP	00 35 16.0
EL	39 32.0
EUR EP	00 35 16.0
APR 28	
BCN IP	01 23 48.8
IS	24 01.0
APR 28	
BCN IP	01 25 47.0
IS	25 59.3
APR 28	
EUR EP	03 01 54.3
APR 28	
EUR EP	03 04 45.1
APR 28	
EUR EP	04 37 20.3
APR 28	
COL EP	06 44 52.0
APR 28	
H-08 01 17.9	
44.6N 150.2E	
h ABOUT 045KM	
COL EP	08 08 44.0
EUR EP	08 12 02.6
BCN E(P)	08 12 33.5
BOZ E(P)	08 12 53.0
APR 28	
H-08 38 12.4	
59.6N 149.9W	
h ABOUT 033KM	
COL IP	08 39 33.2
HHM EP	08 43 21.3
BOZ E(P)	08 43 48.0
APR 28	
GUA EP	09 13 04.1
APR 28	
HHM EP	09 34 58.3
ES	34 18.3
APR 28	
HHM EP	10 56 30.3
BOZ EP	10 57 02.0
APR 28	
H-12 21 25.6	
59.0N 138.7W	
h ABOUT 033KM	
COL EP	12 23 10.0
HHM EP	12 25 35.2
EL	30 46.3
BUT EP	12 26 00.0
EL	32 00.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	12 26 08.0
I	26 23.0
ES	30 22.0
EL	32 37.0
EUR IP	12 26 41.5
SLC EP	12 26 46.1
FGU E(P)	12 26 55.6
RCD EP	12 27 01.3
E	27 28.0
BCN EP	12 27 12.8
E▸P	27 21.0
EL	36 30.5
ALQ IP	12 27 50.5
TUC EP	12 27 55.0
PHI EL	12 42 25.6
WAS EL	12 44 53.0
CSC EL	12 45 01.0
E	45 32.0
E	46 44.0
KIP ET	13 10 33.0
APR 28	
H-13 34 10.4	
57.6N 150.0W	
h ABOUT 033KM	
COL IP	13 35 57.0
HHM EP	13 39 17.3
BOZ EP	13 39 44.1
E	39 47.3
EUR IP	13 40 04.4
BCN E(P)	13 40 44.0
ALQ E(P)	13 41 13.0
TUC E(P)	13 41 16.5
APR 28	
ALQ E(P)	13 47 22.0
APR 28	
COL EP	13 56 28.0
BOZ EP	14 00 16.8
E	00 25.0
BCN E(P)	14 01 08.4
E	01 15.4
APR 28	
HHM EP	14 14 48.1
APR 28	
H-14 55 25.5	
11.9S 166.2E	
h ABOUT 042KM	
COL EP	15 07 52.0

Date and Station	Phase (GCT)
	h m s
APR 28	
EUR EP	15 03 12.1
APR 28	
COL EP	15 55 15.0
APR 28	
COL IP	16 20 43.8
APR 28	
TUC IP	16 45 48.6
IL	46 08.8
APR 28	
COL EP	17 34 21.0
APR 28	
COL EP	18 00 21.0
APR 28	
BCN IP	18 29 18.4
APR 28	
EUR EP	18 55 46.5
FGU EP	18 56 39.1
IS	57 12.1
APR 28	
EUR EP	20 48 11.8
E▸P	48 23.0
HHM EP	20 48 39.2
APR 28	
H-21 18 40.1	
31.7N 093.6W	
h ABOUT 033KM	
TUC EP	21 22 09.4
APR 28	
BOZ E(P)	21 27 51.0
APR 28	
FGU EP	21 51 10.0
E(S)	51 26.0
APR 28	
EUR IP	22 19 27.1
APR 28	
SJP IP	22 30 17.3
IS	30 39.0
APR 28	
H-22 56 18.8	
56.7N 152.0W	
h ABOUT 033KM	
COL EP	22 58 22.0
APR 28	
EUR IP	22 56 24.4
BCN EP	22 57 11.5
EL	58 22.0
APR 28	
BHP IP	23 01 22.0
IS	02 00.0

Date and Station	Phase (GCT)
	h m s
APR 29	
H-00 44 43.8	
32.4S 071.1W	
h ABOUT 079KM	
SJP E(P)	00 53 48.0
E	53 56.5
TUC EP	00 56 15.6
FGU IP	00 56 50.4
EUR IP	00 57 00.8
HHM E(P)	00 57 30.0
APR 29	
BCN E(P)	00 55 48.5
EL	56 43.5
APR 29	
TUC EP	01 50 30.5
APR 29	
H-02 11 36.6	
32.4N 129.0E	
h ABOUT 033KM	
COL EP	02 21 32.0
BOZ EP	02 24 09.5
EUR EP	02 24 17.6
FGU EP	02 24 29.9
APR 29	
H-03 52 43.1	
60.0N 147.4W	
h ABOUT 033KM	
COL IP	03 53 57.5
HHM EP	03 57 41.2
BOZ EP	03 58 10.0
APR 29	
H-04 08 01.2	
03.4S 077.7W	
h ABOUT 056KM	
TUC E(P)	04 16 32.5
E	16 39.6
FGU EP	04 17 10.2
EUR I(P)	04 17 38.9
BOZ EP	04 17 45.8
I	17 52.7
HHM EP	04 18 07.7
APR 29	
SJP EP	04 13 31.5
APR 29	
H-04 21 06.7	
39.3N 023.7E	
h ABOUT 033KM	
SJP E(P)	04 33 06.0
E	33 09.8

Date and Station	Phase	(GCT)
		h m s
RCD	IP	04 33 38.0
HHM	IP	04 33 40.9
BOZ	IP	04 33 48.6
	I	33 53.0
FGU	IP	04 33 58.8
EUR	IP	04 34 20.7
TUC	EP	04 34 37.8
APR 29		
BCN	EP	05 00 46.8
	EL	01 20.9
TUC	E(P)	05 00 48.0
APR 29		
BOZ	EP	05 01 54.7
	IL	02 04.5
APR 29		
BCN	EP	05 05 52.0
	EL	06 25.0
TUC	E(P)	05 05 53.0
	E	06 53.0
APR 29		
H-05 47 44.5		
12.8S 167.1E		
h ABOUT 150KM		
EUR	EP	06 00 19.5
APR 29		
COL	EP	06 17 15.0
APR 29		
BOZ	EP	06 30 14.0
APR 29		
H-07 21 30.2		
7.2S 155.7E		
h ABOUT 078KM		
COL	IP	07 33 47.0
APR 29		
H-08 08 41.3		
12.1N 088.4W		
h ABOUT 033KM		
FGU	IP	08 15 22.7
BOZ	EP	08 16 04.9
APR 29		
COL	IP	08 59 01.8
APR 29		
SIT	E(P)	10 05 01.1
APR 29		
SJP	EP	10 38 18.3
	E	38 50.0
APR 29		
SJP	EP	10 39 54.2
	E	40 09.8
	EL	40 20.0

Date and Station	Phase	(GCT)
		h m s
APR 29		
BOZ	EP	10 54 17.0
APR 29		
SLC	E(P)	11 06 12.2
FGU	EP	11 06 33.0
	ES	07 08.9
EUR	EP	11 06 41.7
APR 29		
TUC	E(P)	11 26 28.0
	E	26 43.7
APR 29		
COL	EP	13 05 14.0
APR 29		
BOZ	E(P)	13 27 40.0
APR 29		
COL	EP	14 39 53.0
APR 29		
BOZ	E(P)	15 50 23.0
APR 29		
COL	EP	16 03 47.0
APR 29		
GUA	IP	16 08 01.0
	IS	11 40.0
APR 29		
H-17 00 02.9		
39.2N 023.7E		
h ABOUT 032KM		
COL	E(P)	17 11 40.0
HHM	EP	17 12 37.4
BOZ	EP	17 12 44.0
APR 29		
H-17 37 43.1		
58.2S 015.7W		
h ABOUT 033KM		
TUC	EP'	17 56 30.0
	E	56 39.2
BOZ	EP'	17 56 48.0
APR 29		
TUC	EP	17 43 46.5
	IL	44 06.4
APR 29		
EUR	EP	17 56 21.6
APR 29		
COL	IP	17 56 37.9
APR 29		
H-17 59 39.5		
17.1S 072.1W		
h ABOUT 044KM		
TUC	EP	18 09 53.5
EUR	EP	18 10 47.1

Date and Station	Phase	(GCT)
		h m s
APR 29		
TUC	E(P)	19 09 50.0
APR 29		
TUC	EP	19 21 41.5
APR 29		
H-19 22 14.7		
41.1N 126.3W		
h ABOUT 033KM		
EUR	E(P)	19 24 12.0
BCN	EP	19 24 47.0
	E	24 50.0
SLC	E(P)	19 24 53.6
BOZ	EP	19 24 56.0
FGU	E(P)	19 25 16.4
TUC	EP	19 25 49.5
APR 29		
EUR	IP	19 24 12.9
APR 29		
H-19 46 39.6		
41.8N 127.0W		
h ABOUT 033KM		
EUR	IP	19 48 47.9
BCN	E(P)	19 49 13.0
BOZ	EP	19 49 27.0
TUC	EP	19 50 24.3
APR 29		
BOZ	EP	20 32 39.5
APR 29		
H-20 47 00.0		
37.0N 116.0W		
h ABOUT 000KM		
BCN	IP C	20 47 27.1
	I(S)	47 48.1
EUR	IP	20 47 41.7
SLC	EP	20 48 19.0
TUC	EP	20 48 37.0
FGU	EP	20 48 37.3
BOZ	E(P)	20 49 16.0
	E	51 44.0
APR 29		
H-20 57 14.8		
37.0N 116.0W		
h ABOUT 000KM		
BCN	IP D	20 57 38.8
EUR	IP	20 57 54.2
FGU	E(P)	20 58 44.8

Date and Station	Phase	(GCT)
		h m s
TUC	E(P)	20 58 55.8
	EL	21 00 43.5
APR 29		
H-21 53 15.9		
11.8N 087.6W		
h ABOUT 033KM		
FGU	EP	22 00 01.2
BOZ	EP	22 00 45.0
	I	00 53.0
APR 29		
SIT	E(P)	21 58 28.4
APR 29		
SLC	EP	22 16 25.5
	IS	16 53.2
APR 29		
COL	EP	22 54 33.0
APR 29		
BCN	E(P)	23 28 42.1
	EL	29 22.8
APR 29		
BOZ	EP	23 47 07.0
	IS	47 14.0
APR 30		
H-00 26 00.1		
56.9N 152.2W		
h ABOUT 033KM		
COL	EP	00 28 00.0
APR 30		
BOZ	EP	00 31 11.0
	IS	31 30.0
APR 30		
COL	EP	02 07 40.0
APR 30		
EUR	EP	03 21 22.6
	I	21 52.3
APR 30		
SIT	E(P)	03 26 14.2
APR 30		
GUA	IP	03 30 17.8
	E	30 33.9
APR 30.		
H-03 41 42.3		
15.5S 174.7W		
h ABOUT 224KM		
TUC	EP	03 53 15.0
FGU	EP	03 53 37.6
HHM	EP	03 53 44.5
	E	53 23.5
	EL	04 06 33.0
BOZ	EP	03 53 49.5
	E>P	54 42.0
TUC	E(P)	03 54 14.0

Date and Station	Phase (GCT)
	h m s
APR 30	
H-03 49 57.6	
58.9N 139.0W	
h ABOUT 020KM	
SIT EP	03 50 37.4
COL EP	03 51 45.0
EUR IP	03 55 16.2
FGU EP	03 55 33.4
BCN E(P)	03 55 53.7
E	56 17.2
TUC EP	03 56 30.7
APR 30	
H-04 01 26.1	
59.0N 137.8W	
h ABOUT 033KM	
SIT I(P)	04 02 02.0
COL E(P)	04 03 06.0
BOZ EP	04 06 06.0
EUR EP	04 06 38.8
EUR I(P)	04 06 48.5
APR 30	
COL EP	04 02 55.0
BCN EP	04 07 58.8
APR 30	
H-04 49 48.0	
19.7S 177.8W	
h ABOUT 339KM	
EUR EP	05 01 33.9
TUC EP	05 01 34.6
BOZ EP	05 02 03.0
APR 30	
COL EP	05 03 27.0
APR 30	
H-05 31 51.1	
56.8N 152.7W	
h ABOUT 033KM	
COL IP	05 33 53.3
TUC EP	05 39 05.0
APR 30	
GUA EP	06 04 46.2
E	05 03.5
E	06 42.0
APR 30	
SIT EP	07 00 43.4
APR 30	
H-07 37 32.2	
16.6N 085.1W	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	07 44 43.0
APR 30	
H-07 57 33.0	
3.8N 101.1W	
h ABOUT 033KM	
TUC EP	08 03 38.6
HHM EP	08 05 52.0
EL	26 12.0
APR 30	
H-08 06 23.5	
56.2S 027.6W	
h ABOUT 088KM	
HHM EP'	08 25 13.9
COL EP'	08 26 03.0
APR 30	
EUR IP	08 15 44.5
APR 30	
SIT EP	08 32 47.2
COL EP	08 32 58.0
APR 30	
GUA E(P)	08 33 43.0
E	34 01.0
APR 30	
H-10 49 13.5	
24.4S 071.6W	
h ABOUT 033KM	
TUC E(P)	11 00 08.0
E	00 11.8
FGU EP	11 00 45.9
RCD EP	11 00 52.0
EUR E(P)	11 00 59.0
BOZ EP	11 01 16.2
HHM EP	11 01 32.9
APR 30	
GUA E(P)	11 30 33.0
APR 30	
H-11 50 47.4	
61.3N 147.0W	
h ABOUT 033KM	
COL IP	11 51 44.1
HHM EP	11 55 47.9
BOZ EP	11 56 17.0
EUR IP	11 56 46.1
BCN EP	11 57 17.2
E	57 21.0
EPP	57 27.0
TUC EP	11 57 58.0
EPCP	12 00 16.2

Date and Station	Phase (GCT)
	h m s
APR 30	
BOZ E(P)	12 59 35.0
ES	13 00 07.0
APR 30	
HHM E(P)	13 01 00.0
APR 30	
BHP EP	13 18 41.0
IS	19 29.0
APR 30	
COL IP	13 21 34.4
APR 30	
COL IP	14 03 53.8
APR 30	
EUR IP	15 23 30.4
APR 30	
H-16 03 31.4	
4.6S 153.2E	
h ABOUT 078KM	
GUA EP	16 08 00.0
E	08 16.0
E(S)	11 45.5
KIP E(P)	16 13 00.0
ES	20 35.0
E	21 03.0
EL	26 12.7
HON E(P)	16 13 04.0
ES	20 33.0
E	21 03.0
E	23 04.0
EL	25 36.0
COL EP	16 15 40.0
EUR IP	16 16 40.3
HHM EP	16 16 44.9
BCN E(P)	16 16 46.2
E	17 10.5
E	17 48.5
E	18 49.3
EPP	20 34.2
BOZ EP	16 16 54.0
EPP	21 16.0
SJP E(P')	16 22 53.3
E	23 25.8
E	26 22.0
APR 30	
H-16 25 30.6	
59.0N 148.6W	
h ABOUT 033KM	
COL IP	16 26 57.2
HHM EP	16 30 31.4
BOZ IP	16 31 03.4
APR 30	
H-17 26 29.9	
60.1N 142.2W	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
SIT EP	17 27 43.0
COL EP	17 27 49.0
HHM EP	17 31 00.8
EL	36 39.8
BUT E(P)	17 31 32.0
BOZ EP	17 31 32.8
I	32 35.0
ES	35 24.0
IL	38 52.0
EUR IP	17 32 05.3
FGU E(P)	17 32 09.5
BCN EP	17 32 37.4
TUC EP	17 33 19.0
PHI EL	17 46 19.4
WAS EL	17 50 28.0
E	53 53.0
KIP ET	18 16 05.0
APR 30	
EUR IP	17 40 59.6
APR 30	
COL EP	19 19 02.0
APR 30	
GUA EP	19 25 28.9
E	25 47.0
APR 30	
COL EP	20 08 25.0
APR 30	
HHM E(P)	20 49 58.0
APR 30	
FGU EP	20 53 39.7
IS	54 02.7
APR 30	
GUA EP	21 27 01.0
APR 30	
SIT EP	21 29 08.4
APR 30	
COL EP	21 35 22.0
APR 30	
SIT E(P)	21 37 07.4
COL EP	21 38 22.0
BOZ EP	21 41 16.0
APR 30	
FGU EP	21 51 55.3
IS	52 28.2
APR 30	
GUA EP	21 57 01.0
APR 30	
BCN EP	22 10 48.0