USCGS
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SEISMOLOGICAL BULLETIN

February, 1964

MSI - 278

COAST & GEODETIC SURVEY
SEP 29 1965
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U. S. DEPARTMENT OF COMMERCE

John T. Connor, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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March 4, 2011

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)
Burau 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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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	REGION, MAGNITUDE, AND REMARKS
FEB	H M S	DEG	DEG	KM	
1	01 29 52*	32.3 N	115.6 W	14	BAJA CALIFORNIA.
1	01 47 52.1	51.8 N	170.8 W	34	FOX ISLANDS, ALEUTIAN ISLANDS. MAG. 5.2, 5-5 1/4 (PAL).
1	02 34 06.0	40.7 N	145.0 E	34	OFF EAST COAST OF HONSHU, JAPAN. MAG. 4.7.
1	09 20 04.3	27.5 N	141.4 E	69	BONIN ISLANDS REGION. MAG. 4.5.
1	11 28 19.4	27.4 N	87.8 E	33	NEPAL. MAG. 4.8.
1	11 47 28.8	3.5 S	78.0 W	33	PERU-ECUADOR BORDER REGION. MAG. 5.0.
1	13 17 03.7	11.3 S	162.1 E	50	SOLOMON ISLANDS. MAG. 4.6.
1	19 51 43*	33.0 N	115.9 W	14	SOUTHERN CALIFORNIA.
1	22 53 15.0	19.4 N	66.3 W	37	PUERTO RICO REGION. MAG. 4.5.
2	01 48 16*	61.6 N	149.7 W	33	SOUTHERN ALASKA. MAG. 3.8.
2	02 48 17.0	19.9 S	177.4 W	334	FIJI ISLANDS REGION. MAG. 4.1.
2	05 41 13.0	21.9 S	169.5 E	33	LOYALTY ISLANDS REGION.
2	06 31 54.4	6.0 N	82.5 W	44	SOUTH OF PANAMA. MAG. 4.8.
2	06 58 14.9	39.0 N	114.2 W	15	NEVADA.
2	08 22 44.1	35.1 N	99.7 W	33	OKLAHOMA.
2	08 54 48.3	24.2 N	122.6 E	28	TAIWAN REGION. MAG. 5.0. FELT ON TAIWAN.
2	12 15 11*	43.3 N	111.4 W	30	EASTERN IDAHO.
3	01 46 27.9	13.0 N	88.0 W	61	EL SALVADOR. MAG. 4.1.
3	02 00 47.3	14.4 N	92.6 W	34	NEAR COAST OF CHIAPAS, MEXICO. MAG. 4.3.
3	02 46 06*	31.1 N	114.8 W	14	GULF OF CALIFORNIA. MAG. 4.0.
3	05 55 44.3	43.2 N	111.1 W	30	EASTERN IDAHO. MAG. 4.1.
3	06 48 49.6	11.5 N	61.7 W	93	WINDWARD ISLANDS. MAG. 4.1.
3	08 33 49*	30.8 N	114.1 W	14	GULF OF CALIFORNIA. MAG. 4.3.
3	08 39 57*	30.7 N	114.6 W	14	GULF OF CALIFORNIA. MAG. 4.1.
3	08 43 36.3	31.5 N	114.2 W	14	GULF OF CALIFORNIA. MAG. 4.6.
3	09 15 42*	31.3 N	114.2 W	14	GULF OF CALIFORNIA. MAG. 4.6.
3	10 21 20.8	39.8 N	120.0 W	15	NORTHERN CALIFORNIA. MAG. 3.4, 3 1/2 (BRK).
3	13 51 07.4	31.3 N	114.3 W	14	GULF OF CALIFORNIA. MAG. 4.2.
3	17 34 52.8	17.2 N	98.8 W	33	GUERRERO, MEXICO. MAG. 4.1.
3	18 54 33*	49.1 N	155.7 E	33	KURILE ISLANDS. MAG. 4.3.
3	18 54 49*	49.6 N	156.7 E	40	KURILE ISLANDS. MAG. 4.4.
3	20 05 47.6	23.2 S	179.8 W	509	SOUTH OF FIJI ISLANDS. MAG. 4.4.
3	21 04 10*	34.6 N	136.3 E	47	SOUTHERN HONSHU, JAPAN. MAG. 4.3. FELT AT OSAKA.
3	23 12 26.7	31.0 N	114.3 W	14	GULF OF CALIFORNIA. MAG. 4.8.
4	05 40 23.3	31.1 N	114.3 W	14	GULF OF CALIFORNIA. MAG. 4.5.
4	06 24 50*	4.0 S	80.4 W	164	PERU-ECUADOR BORDER REGION. MAG. 4.0.
4	07 38 02.8	3.8 S	80.8 W	61	PERU-ECUADOR BORDER REGION. MAG. 4.4.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	REGION, MAGNITUDE, AND REMARKS
FEB	H M S	DEG	DEG	KM	
4	09 31 29.5	31.1 N	114.4 W	14	GULF OF CALIFORNIA. MAG. 4.1.
4	10 02 21.4	48.2 N	154.4 E	40	KURILE ISLANDS. MAG. 4.8.
4	10 17 01*	50.3 N	177.8 E	40	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 4.2.
4	11 27 30*	22.4 S	66.1 W	201	JUJUY PROVINCE, ARGENTINA. MAG. 4.3.
4	22 52 04*	5.6 S	105.5 E	33	SUNDA STRAIT. MAG. 5.0.
5	02 38 14*	20.5 S	68.8 W	33	CHILE-BOLIVIA BORDER REGION. MAG. 4.1.
5	04 13 27*	14.3 S	73.7 W	166	PERU. MAG. 3.1.
5	09 51 36*	15.9 S	174.1 W	104	TONGA ISLANDS. MAG. 3.7.
5	11 18 16.3	30.4 S	177.9 W	114	KERMADEC ISLANDS REGION. MAG. 4.9.
5	11 30 16.2	36.4 N	140.9 E	52	NEAR EAST COAST OF HONSHU, JAPAN. MAG. 5.4, 6 1/4 (PAS). FELT AT TOKYO.
5	11 35 18.6	19.7 S	179.8 W	414	FIJI ISLANDS REGION. MAG. 5.5.
5	12 48 40.9	16.6 S	179.6 W	475	FIJI ISLANDS REGION. MAG. 4.0.
5	15 23 24*	23.8 N	126.4 E	45	RYUKYU ISLANDS REGION. MAG. 4.2.
5	16 15 08.1	3.8 S	141.3 E	110	NEW GUINEA. MAG. 4.5.
5	16 21 50.3	3.7 S	140.0 E	55	WEST NEW GUINEA.
5	19 45 58.0	35.1 N	118.8 W	14	CENTRAL CALIFORNIA. MAG. 4.5.
5	20 18 10.5	35.4 N	118.6 W	14	CENTRAL CALIFORNIA.
5	21 13 19.0	23.7 S	68.8 W	90	NORTHERN CHILE. MAG. 4.6.
5	23 54 37.8	52.9 N	168.4 W	45	FOX ISLANDS, ALEUTIAN ISLANDS. MAG. 4.4.
6	04 35 56.8	6.8 N	73.1 W	140	NORTHERN COLOMBIA. MAG. 5.0.
6	07 43 40.4	52.2 N	171.2 W	33	FOX ISLANDS, ALEUTIAN ISLANDS. MAG. 4.4.
6	07 53 48.8	37.5 N	113.2 W	15	UTAH.
6	08 00 35.0	27.4 N	144.3 E	40	BONIN ISLANDS REGION. MAG. 4.6.
6	08 02 28.3	42.0 N	112.3 W	30	EASTERN IDAHO. FELT AT MALAD CITY.
6	09 40 16*	47.8 N	152.4 E	65	KURILE ISLANDS. MAG. 4.3.
6	11 13 34.8	42.1 N	112.4 W	30	EASTERN IDAHO. FELT AT MALAD CITY.
6	13 07 25.2	55.7 N	155.8 W	33	SOUTH OF ALASKA. MAG. 5.6, 6 1/2-6 3/4 (BRK), 6 3/4-7 (PAS), 6 3/4-7 (PAL). FELT AT CHIGNIK AND ON SITKINAK ISLAND.
6	13 13 45.2	55.8 N	155.9 W	33	SOUTH OF ALASKA. MAG. 5.4. FELT AT CHIGNIK.
6	14 13 10.8	4.0 S	103.9 W	33	NORTHERN EASTER I. CORDILLERA. MAG. 5.0. FELT STRONGLY ON BOARD M. V. GALWAY LOCATED AT 4° 03' S., 103° 56' W.
6	14 43 45.0	18.8 S	169.3 E	237	NEW HEBRIDES ISLANDS. MAG. 4.5.
6	15 00 32.6	56.1 N	154.3 W	33	KODIAK ISLAND REGION. MAG. 4.4.
6	15 19 38.1	10.5 S	120.7 E	43	SUMBA ISLAND REGION. MAG. 4.9.
6	15 57 17*	55.4 N	160.8 W	33	ALASKA PENINSULA. MAG. 4.1.
6	16 17 52.0	37.2 N	116.3 W	30	SOUTHERN NEVADA.
6	19 08 57.8	24.0 N	126.4 E	33	RYUKYU ISLANDS. MAG. 4.8.

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FEB	H M S	DEG	DEG	KM	
6	20 32 54.9	33.5 S	178.4 W	33	SOUTH OF KERMADEC ISLANDS. MAG. 5.0.
6	20 51 06*	39.2 N	31.0 W	33	AZORES ISLANDS. MAG. 4.3.
7	00 10 43*	56.0 N	155.5 W	33	ALASKA PENINSULA. MAG. 4.3.
7	06 31 21.8	5.8 S	154.0 E	77	SOLOMON ISLANDS. MAG. 4.6.
7	08 34 09.6	23.8 N	126.4 E	45	RYUKYU ISLANDS REGION. MAG. 4.8.
7	09 30 09*	19.7 N	147.6 E	33	MARIANA ISLANDS REGION. MAG. 4.6.
7	09 34 27.2	14.8 S	167.5 E	159	NEW HEBRIDES ISLANDS. MAG. 4.4.
7	11 57 19*	17.2 N	93.0 W	245	CHIAPAS, MEXICO. MAG. 3.7.
7	12 58 53.6	39.8 N	142.8 E	45	NEAR EAST COAST OF HONSHU, JAPAN. MAG. 5.4.
7	13 20 08.1	42.1 N	112.4 W	25	EASTERN IDAHO.
7	21 38 22.1	23.8 N	126.5 E	45	RYUKYU ISLANDS REGION. MAG. 4.2.
7	22 07 49.9	35.3 N	118.8 W	14	CENTRAL CALIFORNIA. MAG. 4.3, 4 1/2-4 3/4 (BRK), 4 1/4 (PAS). FELT AT BODFISH, CALIENTE, LANCASTER AND ROSEMONT.
7	22 10 52.8	35.4 N	118.8 W	14	CENTRAL CALIFORNIA. MAG. 3.9, 4 1/2-4 3/4 (BRK), 4 1/4 (PAS).
7	23 12 53.0	19.2 S	168.6 E	42	NEW HEBRIDES ISLANDS. MAG. 4.0.
8	00 29 48*	19.0 S	180.0 W	600	FIJI ISLANDS REGION. MAG. 4.0.
8	03 37 22.8	32.9 N	115.7 W	14	CALIFORNIA-MEXICO BORDER REGION.
8	05 29 21.6	34.3 N	118.6 W	14	SOUTHERN CALIFORNIA. MAG. 4.4, 3.7 (PAS). FELT IN SAN FERNANDO VALLEY.
8	06 22 09.1	44.4 N	114.5 W	30	WESTERN IDAHO. MAG. 4.3.
8	06 28 08*	45.4 N	151.4 E	33	KURILE ISLANDS. MAG. 4.3.
8	06 28 25.9	36.8 N	50.3 E	33	IRAN. MAG. 4.7.
8	09 55 59.9	9.2 N	126.2 E	57	MINDANAO, PHILIPPINE ISLANDS. MAG. 5.7.
8	09 59 17.4	14.4 N	91.3 W	33	GUATEMALA. MAG. 4.1.
8	11 17 46.5	52.3 N	175.6 E	60	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 5.4.
8	11 52 27*	53.7 N	159.0 E	33	NEAR EAST COAST OF KAMCHATKA. MAG. 4.4.
8	11 54 23.1	29.0 N	82.2 E	33	NEPAL.
8	17 12 05*	28.6 N	44.0 W	33	NORTH ATLANTIC RIDGE. MAG. 4.4.
8	18 54 51.2	28.4 S	62.6 E	33	ATLANTIC-INDIAN RISE.
8	22 16 08.7	45.9 N	151.3 E	45	KURILE ISLANDS. MAG. 4.7.
9	02 00 07.3	16.5 S	179.2 W	480	FIJI ISLANDS REGION. MAG. 5.3.
9	02 29 17*	60.6 N	150.8 W	99	KENAI PENINSULA, ALASKA. MAG. 3.8.
9	04 00 04*	53.5 N	159.5 E	40	NEAR EAST COAST OF KAMCHATKA. MAG. 4.2.
9	06 07 30*	25.6 N	36.4 E	33	WESTERN ARABIAN PENINSULA.
9	10 49 21*	12.3 N	90.6 W	33	OFF COAST OF CENTRAL AMERICA. MAG. 3.9.
9	11 03 04*	41.5 N	128.2 W	14	OFF COAST OF NORTHERN CALIFORNIA. MAG. 4.3.
9	12 24 07*	48.6 N	155.0 E	33	KURILE ISLANDS. MAG. 4.0.

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FEB	H M S	DEG	DEG	KM	
9	16 08 00.4	3.1 N	96.5 E	33	NORTHERN SUMATRA. MAG. 5.5.
10	00 18 52.1	11.6 S	166.2 E	66	SANTA CRUZ ISLANDS. MAG. 4.3.
10	00 26 30*	6.3 N	125.8 E	33	MINDANAO, PHILIPPINE ISLANDS. MAG. 5.4.
10	03 48 06*	36.4 N	71.0 E	249	AFGHANISTAN-USSR BORDER REGION. MAG. 4.1.
10	09 56 44.9	20.9 S	178.6 W	575	FIJI ISLANDS REGION. MAG. 4.6.
10	17 27 07*	6.1 S	104.1 E	126	SUNDA STRAIT. MAG. 5.5.
10	17 27 58*	6.1 S	104.1 E	33	SUNDA STRAIT. MAG. 5.5.
10	22 12 21.0	38.7 N	68.3 E	46	TADZHIK SSR. MAG. 4.8.
10	23 45 58.4	59.8 S	150.3 E	33	WEST OF MACQUARIE ISLAND.
11	00 41 42.6	10.9 N	141.3 E	33	WEST CAROLINE ISLANDS. MAG. 5.1.
11	01 50 02*	49.4 N	155.1 E	33	KURILE ISLANDS. MAG. 4.4.
11	02 34 26.8	19.5 S	174.0 W	33	TONGA ISLANDS. MAG. 4.9.
11	03 49 10.6	27.9 N	128.0 E	78	RYUKYU ISLANDS. MAG. 4.8.
11	06 34 31.3	44.8 N	149.3 E	125	KURILE ISLANDS. MAG. 4.2.
11	12 49 37*	0.2 S	126.1 E	33	MOLUCCA SEA. MAG. 5.3.
11	18 21 05.5	15.9 S	173.1 W	33	TONGA ISLANDS. MAG. 5.2.
11	19 00 18*	7.1 S	154.5 E	78	SOLOMON ISLANDS.
11	21 29 52.4	10.2 S	161.3 E	95	SOLOMON ISLANDS. MAG. 5.0.
12	01 36 12.5	15.6 S	174.0 W	45	TONGA ISLANDS. MAG. 4.6.
12	08 19 24.1	39.8 N	53.4 E	33	TURKMEN SSR. MAG. 5.2.
12	11 24 06*	46.8 N	37.7 W	33	NORTH ATLANTIC OCEAN. MAG. 4.3.
12	16 14 30.7	43.2 N	126.0 W	33	OFF COAST OF OREGON. MAG. 4.1.
12	17 51 11.3	43.6 N	147.2 E	33	KURILE ISLANDS. MAG. 4.6.
12	20 31 53.2	3.5 S	146.6 E	33	BISMARCK SEA. MAG. 5.4.
12	21 08 00*	20.3 S	175.7 W	33	TONGA ISLANDS. MAG. 4.4.
12	22 33 59.2	15.3 S	174.4 W	33	TONGA ISLANDS. MAG. 5.0, 5 3/4 (BRK).
13	01 42 35.3	26.5 N	124.3 E	125	NORTHEAST OF TAIWAN. MAG. 4.0.
13	02 04 21.1	24.9 N	124.9 E	94	SOUTHWESTERN RYUKYU ISLANDS. MAG. 4.3.
13	02 22 20.3	8.8 N	102.5 W	33	OFF COAST OF MEXICO. MAG. 4.6.
13	02 30 09.2	8.6 N	102.6 W	33	OFF COAST OF MEXICO. MAG. 4.7.
13	02 39 54*	7.9 N	102.8 W	33	OFF COAST OF MEXICO. MAG. 4.2.
13	03 18 54.0	7.0 N	73.0 W	148	NORTHERN COLOMBIA. MAG. 3.7.
13	03 25 45.1	3.5 S	146.6 E	33	BISMARCK SEA. MAG. 5.3.
13	04 36 00*	86.1 N	11.1 E	33	NORTH OF SVALBARD. MAG. 4.2.
13	05 10 47.7	34.9 N	72.7 E	70	WEST PAKISTAN. MAG. 4.6.
13	08 50 06*	18.3 N	103.3 W	78	NEAR COAST OF MICHOACAN, MEXICO. MAG. 3.5.
13	10 03 50.6	26.1 N	100.9 E	33	YUNNAN PROVINCE, CHINA. MAG. 4.7.
13	11 21 46.7	18.1 S	56.8 W	33	BRAZIL. MAG. 5.3.

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FEB	H M S	DEG	DEG	KM	
13	11 42 16.5	18.3 S	173.8 W	33	TONGA ISLANDS. MAG. 4.3.
13	13 53 31.1	39.4 N	72.7 E	144	KIRGIZ SSR.
13	15 15 51*	5.2 S	105.2 W	33	NORTHERN EASTER I. CORDILLERA. MAG. 4.0.
13	19 46 39*	40.5 N	77.9 W	15	PENNSYLVANIA.
13	20 16 07*	5.7 S	149.1 E	148	NEW BRITAIN REGION.
13	22 23 25.6	51.8 N	177.6 W	33	ANDREANOF ISLANDS, ALEUTIAN IS. MAG. 4.3.
14	03 57 09.0	7.4 N	73.5 W	90	NORTHERN COLOMBIA. MAG. 4.0.
14	06 30 01*	49.5 N	155.5 E	40	KURILE ISLANDS. MAG. 4.7.
14	06 56 02.3	37.2 N	141.7 E	33	NEAR EAST COAST OF HONSHU, JAPAN. MAG. 4.4.
14	07 37 26*	44.2 N	146.9 E	33	KURILE ISLANDS. MAG. 4.5.
14	12 07 22.1	43.6 N	126.0 W	33	OFF COAST OF OREGON. MAG. 4.5.
14	14 35 22*	19.8 S	68.0 W	279	CHILE-BOLIVIA BORDER REGION. MAG. 4.3.
14	14 57 41*	16.1 S	73.2 W	100	NEAR COAST OF PERU. MAG. 3.8.
14	15 51 12.1	29.2 N	54.5 E	47	SOUTHERN IRAN. MAG. 4.7.
14	16 29 45.0	5.1 S	151.7 E	55	NEW BRITAIN REGION. MAG. 6.0, 6 3/4 (PAS). FELT ON NEW BRITAIN.
15	04 46 05.0	7.6 S	75.7 W	33	NORTHERN PERU. MAG. 4.1.
15	07 40 39*	14.1 N	92.7 W	76	NEAR COAST OF CHIAPAS, MEXICO. MAG. 3.9.
15	10 06 50.3	5.3 S	151.9 E	56	NEW BRITAIN REGION. FELT AT RABAUL.
15	10 54 15.6	3.1 N	79.5 W	33	SOUTH OF PANAMA. MAG. 4.4.
15	13 07 26.1	52.7 N	168.2 W	50	FOX ISLANDS, ALEUTIAN ISLANDS. MAG. 4.6.
15	14 00 07.8	19.7 S	177.8 W	332	FIJI ISLANDS REGION. MAG. 4.5.
15	16 33 08.0	4.8 S	152.4 E	71	NEW BRITAIN REGION. MAG. 5.5. FELT AT RABAUL AND LONDOLOVIT.
15	19 12 16.6	22.8 N	120.6 E	17	TAIWAN. MAG. 4.6.
15	22 01 58.4	8.7 S	157.1 E	52	SOLOMON ISLANDS. MAG. 5.1.
16	00 17 15.7	30.1 N	51.2 E	37	IRAN. MAG. 5.3.
16	01 37 28.0	13.9 S	167.0 E	107	NEW HEBRIDES ISLANDS. MAG. 4.1.
16	01 47 54*	22.4 S	67.6 W	232	CHILE-BOLIVIA BORDER REGION. MAG. 4.1.
16	05 03 13.5	29.8 N	138.7 E	421	SOUTH OF HONSHU, JAPAN. MAG. 4.0.
16	10 03 37.7	7.6 S	75.9 W	31	NORTHERN PERU. MAG. 4.5.
16	10 16 20.8	18.2 S	168.1 E	33	NEW HEBRIDES ISLANDS. MAG. 4.2.
16	10 46 24.7	14.6 N	92.4 W	33	NEAR COAST OF CHIAPAS, MEXICO. MAG. 4.1.
16	12 36 20.5	50.1 N	157.0 E	33	KURILE ISLANDS. MAG. 4.2.
16	15 32 03*	21.5 S	178.4 W	600	FIJI ISLANDS REGION. MAG. 3.8.
16	17 47 29*	38.5 S	74.8 W	33	OFF COAST OF CENTRAL CHILE. MAG. 4.6.
16	21 01 22.0	44.0 N	147.1 E	80	KURILE ISLANDS. MAG. 4.6.
16	21 34 32.3	5.6 S	152.0 E	49	NEW BRITAIN REGION. MAG. 5.6. FELT AT RABAUL.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	REGION, MAGNITUDE, AND REMARKS
FEB	H M S	DEG	DEG	KM	
17	02 30 41.8	19.1 S	69.3 W	150	NORTHERN CHILE. MAG. 4.3.
17	05 50 41.8	23.1 N	120.6 E	33	TAIWAN. MAG. 4.9.
17	09 27 59.2	30.0 S	72.4 W	33	OFF COAST OF CENTRAL CHILE. MAG. 4.5.
17	12 19 02.9	47.2 N	8.5 E	33	SWITZERLAND. MAG. 4.6. SLIGHT DAMAGE AT UNTERWALDEN.
17	15 07 31.3	38.9 N	141.8 E	72	NEAR EAST COAST OF HONSHU, JAPAN. MAG. 3.5.
17	16 43 06.9	22.6 S	179.3 E	547	SOUTH OF FIJI ISLANDS. MAG. 4.9.
17	22 16 59.3	20.4 S	168.9 E	33	LOYALTY ISLANDS.
18	00 37 07.0	17.5 N	121.3 E	56	LUZON, PHILIPPINE ISLANDS. MAG. 4.5.
18	01 31 21.8	16.2 S	166.4 E	77	NEW HEBRIDES ISLANDS. MAG. 4.8.
18	03 48 35.6	27.5 N	91.1 E	30	BHUTAN. MAG. 5.6.
18	04 42 47.7	15.5 S	175.0 W	289	TONGA ISLANDS. MAG. 4.8.
18	04 45 42.0	14.2 N	146.5 E	78	MARIANA ISLANDS. MAG. 5.0.
18	05 56 16*	26.4 S	179.4 W	28	SOUTH OF FIJI ISLANDS. MAG. 4.3.
18	06 39 39.3	44.2 N	149.7 E	33	KURILE ISLANDS. MAG. 4.4.
18	08 01 49*	38.8 N	28.5 W	33	AZORES ISLANDS. MAG. 4.6.
18	08 43 21*	11.1 N	102.2 W	33	OFF COAST OF MEXICO. MAG. 4.7.
18	09 07 30.1	9.2 N	103.0 W	33	OFF COAST OF MEXICO. MAG. 4.0.
18	09 11 52*	15.4 S	175.1 W	287	TONGA ISLANDS. MAG. 3.8.
18	09 31 10.5	34.8 N	85.5 W	15	ALABAMA. MAG. 4.4. FELT IN GEORGIA, ALABAMA AND TENNESSEE.
18	10 35 20.1	10.3 S	161.2 E	73	SOLOMON ISLANDS. MAG. 4.9.
18	11 11 16.8	36.2 N	71.0 E	226	AFGHANISTAN-USSR BORDER REGION.
18	12 19 20.6	38.8 N	28.4 W	33	AZORES ISLANDS. MAG. 4.6.
18	13 54 14.9	58.7 N	152.2 W	33	KODIAK ISLAND REGION. MAG. 4.4.
18	17 08 10.2	36.3 N	70.7 E	223	HINDU KUSH REGION. MAG. 5.0.
18	19 09 35.1	23.5 S	179.2 W	361	SOUTH OF FIJI ISLANDS. MAG. 4.0.
18	22 43 52.5	45.0 N	150.6 E	40	KURILE ISLANDS. MAG. 4.5.
18	22 45 35.1	14.2 S	174.9 W	33	SAMOA ISLANDS REGION. MAG. 4.6.
19	00 34 14.5	38.9 N	28.5 W	33	AZORES ISLANDS. MAG. 4.5.
19	03 04 42.3	46.0 N	152.0 E	33	KURILE ISLANDS. MAG. 4.1.
19	06 29 12.1	17.1 S	70.7 W	134	NEAR COAST OF PERU. MAG. 4.0. FELT AT AREQUIPA.
19	06 33 36.5	38.9 N	28.6 W	33	AZORES ISLANDS. MAG. 4.5. EARTHQUAKE SWARM REPORTED AS STARTING 4 DAYS PREVIOUS CAUSED EXTENSIVE DAMAGE ON SAO JORGE. APPROXIMATELY 1800 PERSONS EVACUATED. SULPHUR FUMES NOTED.NO DEATHS NOR VOLCANIC ACTIVITY REPORTED. ALSO FELT ON PICO, FAYAL, GRACIOSA, AND TERCEIRA.
19	09 15 29.4	9.6 S	107.3 E	48	SOUTH OF JAVA. MAG. 5.0.
19	09 58 41*	25.3 S	179.2 E	600	SOUTH OF FIJI ISLANDS. MAG. 4.4.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	REGION, MAGNITUDE, AND REMARKS
FEB	H M S	DEG	DEG	KM	
19	15 25 58.9	21.4 S	70.7 W	80	NEAR COAST OF NORTHERN CHILE. MAG. 5.2.
19	21 27 53.9	8.2 S	108.3 W	33	NORTHERN EASTER I. CORDILLERA. MAG. 4.6.
19	23 49 45.2	18.7 S	169.2 E	207	NEW HEBRIDES ISLANDS. MAG. 4.7.
20	02 30 21.5	58.4 N	154.8 W	79	ALASKA PENINSULA. MAG. 4.5.
20	02 47 14.9	51.7 N	175.6 E	33	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 4.6.
20	03 26 58.0	51.5 N	175.8 E	33	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 4.7.
20	03 29 36*	44.4 N	114.7 W	30	WESTERN IDAHO. MAG. 3.7.
20	03 51 40.2	51.5 N	175.8 E	33	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 4.5.
20	07 22 24.7	9.5 S	74.6 W	102	PERU. MAG. 4.5.
20	08 35 36.2	46.6 N	152.5 E	50	KURILE ISLANDS. MAG. 4.8.
20	09 06 59*	17.7 S	178.8 W	604	FIJI ISLANDS REGION. MAG. 3.8.
20	09 53 51.1	44.6 N	150.0 E	50	KURILE ISLANDS REGION. MAG. 5.2.
20	09 54 13*	9.5 N	84.6 W	33	COSTA RICA. MAG. 4.3.
20	10 57 43.6	14.1 S	76.0 W	67	NEAR COAST OF PERU. MAG. 4.5.
20	12 03 18.7	14.5 N	93.0 W	49	NEAR COAST OF CHIAPAS, MEXICO. MAG. 4.4.
20	15 30 00.146	37.2 N	116.0 W	0	37° 09' 03" N. 116° 02' 24" W. NEVADA TEST SITE. "KLICKITAT" SHOT ELEVATION 804.0 METERS (AEC).
20	16 48 08.5	37.2 N	116.0 W	0	"KLICKITAT" COLLAPSE.
20	18 22 16*	17.2 S	179.0 W	585	FIJI ISLANDS REGION. MAG. 3.9.
20	20 19 49*	39.4 N	114.2 W	14	NEVADA. MAG. 3.7. FELT AT LEHMAN CAVES.
20	23 40 06*	31.5 S	70.0 W	78	CHILE-ARGENTINA BORDER REGION. MAG. 4.4.
21	00 05 40*	30.4 N	142.9 E	33	SOUTH OF HONSHU, JAPAN. MAG. 4.4.
21	01 04 00.6	34.4 N	58.1 E	33	IRAN. MAG. 5.0.
21	02 28 58*	41.2 N	31.0 W	33	AZORES ISLANDS REGION. MAG. 4.1.
21	03 01 38*	31.4 N	114.1 W	14	GULF OF CALIFORNIA. MAG. 4.7.
21	03 15 08*	15.0 N	92.8 W	33	MEXICO-GUATEMALA BORDER REGION. MAG. 3.8.
21	07 24 08*	12.8 N	87.9 W	62	NEAR COAST OF NICARAGUA. MAG. 3.9.
21	07 40 17*	45.1 N	149.9 E	33	KURILE ISLANDS. MAG. 4.0.
21	12 18 43*	42.9 N	151.4 E	33	NORTH PACIFIC OCEAN. MAG. 4.3.
21	13 11 21.8	18.8 S	169.3 E	234	NEW HEBRIDES ISLANDS. MAG. 4.6.
21	13 51 47.4	6.8 S	80.9 W	33	NEAR COAST OF NORTHERN PERU. MAG. 4.3.
21	13 53 06.0	6.7 S	105.5 E	33	SUNDA STRAIT. MAG. 5.2.
21	17 14 45*	38.3 N	28.7 W	33	AZORES ISLANDS. MAG. 4.8. FELT ON SAO JORGE, TERCEIRA AND FAYAL.
21	21 52 12.4	7.7 S	79.5 W	36	NEAR COAST OF NORTHERN PERU. MAG. 4.3.
22	01 47 32.1	36.9 S	176.9 E	203	OFF E. COAST OF N. ISLAND, N.Z. MAG. 5.1.
22	03 31 25.9	37.1 N	116.5 W	33	SOUTHERN NEVADA.
22	05 58 32.3	63.5 N	130.7 W	33	SOUTHERN YUKON TERRITORY, CANADA. MAG. 4.2.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	REGION, MAGNITUDE, AND REMARKS
FEB	H M S	DEG	DEG	KM	
22	08 50 35.0	30.1 S	177.3 W	33	KERMADEC ISLANDS REGION. MAG. 5.1.
22	14 11 38*	1.3 S	127.2 E	33	HALMAHERA. MAG. 4.4.
22	16 04 35.6	30.1 N	138.8 E	411	SOUTH OF HONSHU, JAPAN. MAG. 4.8.
22	17 50 56.2	48.5 N	154.9 E	60	KURILE ISLANDS. MAG. 5.3.
22	21 16 27.5	24.1 N	123.2 E	48	SOUTHWESTERN RYUKYU ISLANDS. MAG. 5.2.
23	00 06 59.0	48.6 N	154.7 E	33	KURILE ISLANDS. MAG. 5.0.
23	04 35 18.1	17.2 S	74.2 W	33	OFF COAST OF PERU. MAG. 4.3.
23	07 39 43*	59.9 N	150.0 E	33	EASTERN SIBERIA. MAG. 4.1.
23	10 23 13*	54.7 N	159.8 E	33	NEAR EAST COAST OF KAMCHATKA. MAG. 4.2.
23	12 26 40.4	15.4 S	173.8 W	96	TONGA ISLANDS. MAG. 4.6.
23	15 53 41*	34.8 S	68.9 W	156	MENDOZA PROVINCE, ARGENTINA. MAG. 4.6.
23	19 40 52*	38.5 N	28.6 W	33	AZORES ISLANDS. MAG. 4.5. FELT ON SAO JORGE.
23	22 41 06.3	39.2 N	23.7 E	33	AEGEAN SEA. MAG. 4.5. FELT AT LAMIA AND ATHENS, GREECE.
23	23 09 05*	0.9 N	85.2 W	33	OFF COAST OF ECUADOR. MAG. 3.9.
24	01 13 37*	21.0 S	67.9 W	326	CHILE-BOLIVIA BORDER REGION. MAG. 4.1.
24	02 29 12*	13.0 N	87.2 W	83	HONDURAS. MAG. 3.9.
24	05 02 13.5	24.8 S	179.7 W	290	SOUTH OF FIJI ISLANDS. MAG. 4.4.
24	08 21 32.2	7.7 N	73.1 W	41	NORTHERN COLOMBIA. MAG. 3.8.
24	09 52 18.7	7.3 S	67.8 E	33	MID-INDIAN RISE. MAG. 5.2.
24	10 53 51.7	35.8 N	116.6 W	14	CENTRAL CALIFORNIA.
24	11 32 14*	39.3 N	40.1 E	33	TURKEY. MAG. 4.8.
24	13 39 00.6	31.2 N	131.3 E	33	KYUSHU, JAPAN. MAG. 4.2.
24	14 51 46.2	15.5 S	174.0 W	87	TONGA ISLANDS. MAG. 4.5.
24	16 18 18*	31.6 S	177.8 W	377	KERMADEC ISLANDS.
24	18 44 32.5	14.2 S	167.2 E	169	NEW HEBRIDES ISLANDS. MAG. 4.9.
24	19 59 33.7	19.2 S	169.4 E	244	NEW HEBRIDES ISLANDS. MAG. 4.7.
24	20 56 44.5	30.4 N	137.1 E	504	SOUTH OF HONSHU, JAPAN. MAG. 3.7.
24	23 07 01*	38.8 N	23.4 E	55	GREECE. MAG. 3.8.
24	23 30 24.6	39.2 N	23.8 E	16	AEGEAN SEA. MAG. 4.4.
25	00 34 32.0	44.7 S	37.5 E	33	PRINCE EDWARD ISLANDS REGION. MAG. 6.7.
25	02 28 55.5	9.1 S	110.7 E	81	SOUTH OF JAVA.
25	03 08 24*	49.7 S	112.1 E	33	SOUTHEAST INDIAN RISE.
25	04 04 29.0	32.1 N	137.7 E	374	SOUTH OF HONSHU, JAPAN. MAG. 4.8.
25	08 13 14*	21.8 S	115.8 W	33	EASTER ISLAND CORDILLERA. MAG. 4.1.
25	09 44 36*	22.2 S	62.6 W	470	SALTA PROVINCE, ARGENTINA. MAG. 4.1.
25	10 04 37.5	45.4 N	151.3 E	50	KURILE ISLANDS. MAG. 4.3.
25	13 36 45.6	36.0 N	83.9 E	42	SOUTHERN SINKIANG PROV., CHINA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	REGION, MAGNITUDE, AND REMARKS
FEB	H M S	DEG	DEG	KM	
25	15 18 32.9	5.6 S	151.8 E	42	NEW BRITAIN REGION. MAG. 5.0. FELT AT RABAUL.
25	20 57 30.6	11.5 N	142.0 E	16	SOUTH OF MARIANA ISLANDS. MAG. 4.7.
25	21 26 57*	26.5 N	111.4 W	33	GULF OF CALIFORNIA. MAG. 4.8.
25	23 23 33.3	30.1 S	177.9 W	51	KERMADEC ISLANDS REGION. MAG. 4.8.
25	23 31 25.7	25.9 S	178.8 W	296	SOUTH OF FIJI ISLANDS. MAG. 4.5.
26	07 31 24.5	76.8 N	22.8 E	33	SVALBARD REGION. MAG. 4.1.
26	08 51 30*	56.0 S	148.4 E	33	WEST OF MACQUARIE ISLAND. MAG. 4.8.
26	09 09 21.7	56.2 N	155.4 W	33	ALASKA PENINSULA. MAG. 4.5.
26	09 16 55.2	27.3 N	54.5 E	33	SOUTHERN IRAN. MAG. 4.6.
26	12 31 21.9	7.1 N	73.2 W	137	NORTHERN COLOMBIA. MAG. 4.1.
26	18 14 37.9	4.4 N	126.2 E	132	TALAUD ISLANDS. MAG. 5.3.
26	20 32 54.4	40.3 N	124.6 W	33	NEAR COAST OF NORTHERN CALIF. MAG. 4.6.
26	21 17 08.1	20.7 S	174.4 W	33	TONGA ISLANDS. MAG. 5.0.
26	22 59 25*	64.5 N	10.8 W	33	ICELAND REGION. MAG. 4.4.
26	23 11 04.4	11.7 S	166.3 E	64	SANTA CRUZ ISLANDS. MAG. 4.7.
27	02 32 23.7	7.6 S	39.6 E	33	TANGANYIKA.
27	06 28 36*	4.5 S	143.4 E	37	NEW GUINEA. MAG. 5.2.
27	09 02 22.8	44.0 N	79.2 E	33	EASTERN KAZAKH SSR. MAG. 4.5.
27	11 35 32.4	18.9 N	104.0 W	33	NEAR COAST OF JALISCO, MEXICO. MAG. 4.5.
27	13 15 27.1	5.3 N	123.7 E	92	MINDANAO, PHILIPPINE ISLANDS.
27	15 10 48.8	21.7 N	94.4 E	102	BURMA. MAG. 6.4.
27	18 17 54.6	37.2 N	116.3 W	30	SOUTHERN NEVADA.
27	20 36 48.1	44.9 N	151.0 E	65	KURILE ISLANDS REGION. MAG. 4.2.
27	21 15 45*	52.7 N	152.6 E	533	NORTHWEST OF KURILE ISLANDS. MAG. 3.8.
27	23 31 58*	51.1 N	179.8 E	33	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 3.9.
27	23 57 32.6	60.4 N	153.2 W	165	SOUTHERN ALASKA. MAG. 4.5.
28	01 09 43.1	43.6 N	110.2 W	30	WYOMING. MAG. 3.8.
28	02 32 33.8	14.6 S	167.5 E	139	NEW HEBRIDES ISLANDS.
28	06 52 50*	53.1 N	158.2 E	90	NEAR EAST COAST OF KAMCHATKA. MAG. 4.3.
28	15 11 01*	24.4 S	179.9 E	590	SOUTH OF FIJI ISLANDS. MAG. 4.3.
28	17 47 05.9	18.2 N	94.3 E	43	BURMA. MAG. 5.3.
28	20 46 00.1	13.3 N	144.7 E	33	MARIANA ISLANDS. MAG. 5.2. FELT ON GUAM.
29	04 31 41.4	53.5 N	90.9 E	33	CENTRAL RUSSIA. MAG. 4.5.
29	07 04 18.3	47.0 N	150.9 E	110	KURILE ISLANDS. MAG. 4.6.
29	07 27 31.9	15.5 S	178.7 W	407	FIJI ISLANDS REGION. MAG. 4.0.
29	07 38 49.0	5.9 N	82.5 W	24	SOUTH OF PANAMA. MAG. 4.3.
29	07 51 55.1	38.2 S	74.5 W	33	OFF COAST OF CENTRAL CHILE. MAG. 4.2.
29	14 04 59.1	7.4 N	73.3 W	114	NORTHERN COLOMBIA. MAG. 4.4.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	REGION, MAGNITUDE, AND REMARKS
FEB	H M S	DEG	DEG	KM	
29	15 20 12.8	34.8 N	141.7 E	34	OFF EAST COAST OF HONSHU, JAPAN. MAG. 5.1.
29	18 24 20.4	15.0 S	167.4 E	110	NEW HEBRIDES ISLANDS. FELT ON SANTO.
29	19 42 43.9	29.9 N	139.1 E	322	SOUTH OF HONSHU, JAPAN. MAG. 4.4.
29	20 13 41.6	18.2 S	172.8 W	33	TONGA ISLANDS REGION. MAG. 5.1.
29	23 49 40.8	8.5 S	112.7 E	73	JAVA. MAG. 5.8.

Date and Station	Phase (GCT)
	h m s
FEB 01	
FGU E(P)	00 00 35.3
FEB 01	
BCN E(P)	00 28 20.4
EL	29 02.6
FEB 01	
COL EP	00 55 16.0
FEB 01	
H-01 29 52.0	
32.3N 115.6W	
h ABOUT 014KM	
BCN E(P)	01 30 51.3
EL	31 30.1
TUC E(P)	01 30 56.0
EL	32 24.0
GCA E(P)	01 31 10.8
EL	32 36.0
EUR EP	01 31 37.0
FEB 01	
ALQ IP	01 32 25.0
F	33 54.0
FEB 01	
H-01 47 52.1	
51.8N 170.8W	
h ABOUT 034KM	
COL EP	01 51 57.0
SIT E(P)	01 52 40.0
HHM EP	01 54 50.6
EPCP	57 17.6
BUT E(P)	01 55 01.0
BOZ EP	01 55 13.9
SLC EP	01 55 36.1
BCN IP D	01 55 44.8
FGU IP	01 55 46.8
GCA IP	01 55 56.7
RCD IP	01 56 03.0
I	56 22.0
TUC EP	01 56 23.5
E	56 40.0
FS	02 03 28.0
ALQ IP	01 56 31.0
I	56 39.0
E	56 56.0
CSC EP	01 58 29.0
I	58 45.0
FEB 01	
BCN E(P)	01 59 19.1
EL	59 10.3
FEB 01	
ALQ EP	02 01 50.0

Date and Station	Phase (GCT)
	h m s
FEB 01	
H-02 34 06.0	
40.7N 145.0E	
h ABOUT 034KM	
COL EP	02 42 16.0
EUR EP	02 45 25.4
BCN EP	02 45 41.5
E	45 52.7
FGU E(P)	02 45 42.3
TUC E(P)	02 46 09.0
E	46 20.0
ALQ IP	02 46 15.0
FEB 01	
COL EP	06 17 15.0
EUR EP	06 20 43.5
FEB 01	
H-09 20 04.3	
27.5N 141.4E	
h ABOUT 069KM	
COL EP	09 29 47.0
EsP	30 19.0
HHM EP	09 32 02.5
EUR EP	09 32 18.6
FGU I(P)	09 32 36.9
FEB 01	
H-11 28 19.4	
27.4N 087.8E	
h ABOUT 033KM	
COL IP	11 40 19.2
FEB 01	
H-11 47 28.8	
3.5S 078.0W	
h ABOUT 033KM	
ALQ IP	11 55 57.0
TUC EP	11 56 02.0
BCN EP	11 56 38.7
EPP	58 30.7
RCD IP	11 56 42.0
FGU IP	11 56 42.7
EUR IP	11 57 01.3
BOZ IP	11 57 15.1
HHM EP	11 57 37.4
COL IP	12 00 01.0
FEB 01	
H-13 17 03.7	
11.3S 162.1E	
h ABOUT 050KM	

Date and Station	Phase (GCT)
	h m s
COL EP	13 29 33.0
EUR EP	13 30 05.0
FEB 01	
BCN EP	17 22 27.3
E	23 01.8
E	23 40.8
FEB 01	
BCN EP	17 26 32.8
E	27 09.3
FEB 01	
ALQ IP	18 02 09.0
E	02 50.0
FEB 01	
UKI EP	18 52 20.5
FEB 01	
UKI I(P)	19 09 47.5
FEB 01	
HHM EP	19 31 26.2
E(S)	32 03.1
FEB 01	
H-19 51 43.1	
33.0N 115.9W	
h ABOUT 014KM	
BCN IP C	19 52 33.1
IS	53 08.1
IL	53 46.8
TUC E(P)	19 52 50.0
EL	54 03.0
EUR EP	19 53 21.9
ALQ E(P)	19 53 45.0
FEB 01	
GCA E(P)	19 52 43.4
FEB 01	
ALQ IP	19 54 13.0
E	20 10 50.0
BCN E(P)	19 55 40.6
E	56 22.1
FEB 01	
BOZ E(P)	20 12 34.0
EL	13 06.0
FGU E(P)	20 12 45.2
E(S)	13 19.5
FEB 01	
FGU EP	20 17 29.7
FEB 01	
ALQ E(P)	20 50 38.0
FEB 01	
SLC EP	21 59 31.9
IS	59 50.9
FEB 01	
EUR IP	22 26 06.8

Date and Station	Phase (GCT)
	h m s
FEB 01	
COL EP	22 33 34.3
FEB 01	
H-22 53 15.0	
19.4N 066.3W	
h ABOUT 037KM	
SJP IP D	22 53 32.5
CSC IP	22 57 43.0
IS	23 01 00.0
ALQ IP	23 00 37.0
I	00 44.0
RCD IP	23 00 44.0
TUC IP	23 01 03.8
FGU EP	23 01 05.5
BOZ IP	23 01 32.9
BCN EP	23 01 34.0
E	01 48.0
BUT E(P)	23 01 35.0
EUR EP	23 01 44.9
HHM EP	23 01 51.3
COL EP	23 04 18.0
FEB 01	
SJP IP C	23 07 12.5
IS	07 25.0
FEB 01	
SJP IP D	23 25 44.8
IS	25 58.5
FEB 01	
BCN E(P)	23 46 38.5
EL	47 17.0
FEB 01	
SJP EP	23 50 53.6
IS	51 06.5
FEB 02	
SJP IP C	00 03 03.0
IS	03 16.8
FEB 02	
WAS EP	00 57 42.0
FEB 02	
GUA E(P)	01 13 25.0
FEB 02	
H-01 48 16.0	
61.6N 149.7W	
h ABOUT 033KM	
COL IP	01 49 08.7
EUR E(P)	01 54 25.6
FEB 02	
COL EP	02 38 24.0

Date and Station	Phase	Phase (GCT) h m s
FEB 02		
H-02 48 17.0		
19.9S 177.4W		
h ABOUT 334KM		
BOZ	EP	03 00 32.0
FEB 02		
BCN	EP	03 05 03.2
	E	05 41.7
FEB 02		
SJP	IP D	03 08 25.0
	ES	08 38.0
FEB 02		
WAS	EP	03 16 58.0
	F	21 42.0
FEB 02		
SJP	EP	03 57 53.8
	ES	58 08.0
FEB 02		
SJP	IP D	04 21 28.7
	IS	21 41.5
FEB 02		
FGU	IP	04 23 39.5
FEB 02		
SJP	IP	04 41 39.4
	IS	41 53.0
FEB 02		
COL	EP	05 10 55.0
FEB 02		
COL	EP	05 34 28.0
EUR	EP	05 37 49.0
FEB 02		
H-06 31 54.4		
6.0N 082.5W		
h ABOUT 044KM		
BHP	IP	06 32 57.0
	IS	33 45.0
SJP	EP	06 36 29.5
ALQ	IP	06 38 58.0
	E	39 06.0
TUC	IP	06 39 04.2
	E(S)	45 00.0
GCA	EP	06 39 35.8
BCN	EP	06 39 45.0
RCD	IP	06 39 46.0
FGU	IP	06 39 47.3
SLC	EP	06 39 57.1
EUR	IP	06 40 08.5
BOZ	EP	06 40 23.0
COL	EP	06 43 27.0

Date and Station	Phase	Phase (GCT) h m s
FEB 02		
H-06 58 14.9		
39.0N 114.2W		
h ABOUT 015KM		
EUR	IP	06 58 40.4
BCN	E(P)	06 59 11.0
	IL	59 52.5
GCA	E(P)	06 59 11.3
FGU	E(P)	06 59 19.4
FEB 02		
BOZ	EP	07 08 09.0
FEB 02		
COL	EP	07 35 00.0
FEB 02		
SJP	IP D	08 05 15.7
	ES	05 30.0
FEB 02		
ALQ	E(P)	08 24 22.4
	EL	25 32.0
FEB 02		
H-08 54 48.3		
24.2N 122.6E		
h ABOUT 028KM		
GUA	E(P)	08 59 59.0
COL	EP	09 05 47.0
KIP	E(P)	09 06 15.0
EUR	EP	09 08 17.2
FGU	EP	09 08 33.5
ALQ	EP'	09 13 10.0
HON	E	09 15 48.0
	EL	28 34.0
FEB 02		
GUA	EP	09 23 29.6
FEB 02		
BOZ	E(P)	10 00 56.0
FEB 02		
SJP	EP	10 17 29.0
	ES	17 43.0
FEB 02		
SJP	IP C	11 10 32.0
	IS	10 46.6
FEB 02		
H-12 15 11.0		
43.3N 111.4W		
h ABOUT 030KM		
BOZ	IP	12 15 47.9
	ES	16 19.0
BZM	EP	12 15 47.9
SLC	E(P)	12 15 53.5
	ES	16 24.7

Date and Station	Phase	Phase (GCT) h m s
FGU	EP	12 15 55.4
	ES	16 31.1
BUT	EP	12 15 59.0
BCN	EP	12 17 07.1
FEB 02		
EUR	IP	12 15 50.1
FEB 02		
TUC	E(P)	14 30 23.0
FEB 02		
BOZ	EP	18 54 18.0
	EL	54 17.0
FEB 02		
SLC	EP	20 28 32.6
	IS	29 00.4
EUR	EP	20 29 22.9
FEB 02		
EUR	IP	22 27 16.3
BOZ	IP	22 27 16.5
	I	27 26.0
FEB 03		
ALQ	EP	01 16 36.0
FEB 03		
H-02 00 47.3		
14.4N 092.6W		
h ABOUT 034KM		
TUC	EP	02 06 03.2
BCN	EP	02 06 48.8
EUR	EP	02 07 17.0
COL	EP	02 11 09.0
FEB 03		
TUC	E(P)	02 42 23.0
FEB 03		
TUC	E(P)	02 44 37.0
BCN	E(P)	02 45 10.1
	E	45 37.0
	EL	46 32.6
FEB 03		
H-02 46 05.6		
31.1N 114.8W		
h ABOUT 014KM		
TUC	E(P)	02 47 01.0
BCN	E(P)	02 47 25.2
	I	47 46.5
	IL	48 44.0
GCA	E(P)	02 47 38.8
EUR	E(P)	02 48 12.5
ALQ	E(P)	02 48 19.0
	I	48 35.0
HHM	E(P)	02 50 10.0

Date and Station	Phase	Phase (GCT) h m s
COL	EP	02 53 39.0
FEB 03		
TUC	E(P)	03 10 05.0
FEB 03		
TUC	E(P)	03 12 03.0
FEB 03		
COL	EP	03 26 40.0
FEB 03		
GUA	IP	04 27 16.0
	ES	27 29.2
FEB 03		
TUC	E(P)	05 25 19.0
FEB 03		
H-05 55 44.3		
43.2N 111.1W		
h ABOUT 030KM		
BOZ	EP	05 56 19.5
	I	56 24.0
SLC	EP	05 56 24.9
	IS	56 59.9
FGU	EP	05 56 27.8
	I	56 29.8
	IS	57 03.3
BUT	IP	05 56 32.5
	EL	57 16.0
EUR	EP	05 57 04.2
HHM	EP	05 57 05.5
	EL	58 29.0
BCN	E(P)	05 57 13.2
	E	06 00 00.3
RCD	EP	05 57 15.0
	IL	58 52.0
	I	59 43.0
GCA	E(P)	05 57 16.5
COL	EP	06 01 52.8
FEB 03		
ALQ	IP	06 00 21.0
FEB 03		
COL	EP	06 13 31.0
FEB 03		
TUC	E(P)	06 28 29.0
FEB 03		
H-06 48 49.6		
11.5N 061.7W		
h ABOUT 093KM		
SJP	EP	06 50 47.0
	EL	52 12.0
FEB 03		
COL	EP	07 22 30.0
FEB 03		
BCN	E(P)	08 33 39.2

Date and Station	Phase (GCT)
	h m s
FEB 03	
H-08 33 49.2	
30.8N 114.1W	
h ABOUT 014KM	
TUC EP	08 34 41.0
BCN E(P)	08 35 27.3
E	35 39.0
IL	36 39.0
GCA E(P)	08 35 54.3
FEB 03	
BCN E(P)	08 39 36.2
FEB 03	
H-08 39 56.7	
30.7N 114.6W	
h ABOUT 014KM	
TUC E(P)	08 40 54.0
EUR E(P)	08 42 07.6
F	42 14.9
FEB 03	
BCN E(P)	08 41 41.8
E	42 37.0
EL	42 56.0
FEB 03	
H-08 43 36.3	
31.5N 114.2W	
h ABOUT 014KM	
TUC I(P)	08 44 19.4
BCN E(P)	08 44 43.8
I	44 52.8
EL	46 14.3
GCA IP	08 45 07.1
SLC E(P)	08 45 38.8
E	45 59.3
BOZ E(P)	08 46 45.6
RCD E(P)	08 47 19.0
EL	52 10.0
HHM EP	08 47 36.4
EL	52 00.4
COL EP	08 51 07.0
SJP EP	08 51 55.0
FEB 03	
ALQ FP	08 46 33.0
I	47 05.0
FEB 03	
CSC E(P)	08 58 32.0
E	58 42.0
FEB 03	
WAS EP	09 00 06.0
E	02 46.0
FEB 03	
TUC E(P)	09 08 04.0

Date and Station	Phase (GCT)
	h m s
FEB 03	
TUC E(P)	09 13 36.0
FEB 03	
H-09 15 41.6	
31.3N 114.2W	
h ABOUT 014KM	
TUC E(P)	09 16 30.0
BCN IP	09 16 53.8
I	17 21.8
EL	18 24.8
GCA E(P)	09 17 16.3
I	17 44.8
EUR IP	09 17 48.4
SLC E(P)	09 18 16.3
RCD E(P)	09 19 33.0
HHM E(P)	09 19 47.0
FEB 03	
ALQ IP	09 17 05.0
E	18 11.0
FEB 03	
GUA EP	09 25 16.9
FEB 03	
UKI E(P)	10 07 12.9
ES	07 49.9
FEB 03	
H-10 21 20.8	
39.8N 120.0W	
h ABOUT 015KM	
EUR IP	10 22 11.2
FEB 03	
TUC EP	10 44 28.0
FEB 03	
TUC EP	12 13 38.5
FEB 03	
H-13 51 07.4	
31.3N 114.3W	
h ABOUT 014KM	
TUC EP	13 51 56.0
BCN IP	13 52 19.6
I(S)	53 19.6
EL	53 47.8
GCA IP	13 52 41.5
EUR IP	13 53 12.6
BOZ E(P)	13 54 43.0
FEB 03	
ALQ IP	13 53 26.0
I	53 27.0
FEB 03	
COL IP	16 00 23.0

Date and Station	Phase (GCT)
	h m s
FEB 03	
GUA IP	16 52 29.0
FEB 03	
GUA IP	17 14 53.0
E(S)	15 02.0
FEB 03	
H-17 34 52.8	
17.2N 098.8W	
h ABOUT 033KM	
TUC EP	17 39 09.3
EL	44 43.0
ALQ EP	17 39 12.0
FGU EP	17 40 19.0
FEB 03	
BOZ IP	17 36 52.5
I	37 10.0
HHM EP	17 37 19.2
FEB 03	
BOZ E(P)	17 40 42.5
FEB 03	
FGU E(P)	17 52 58.5
E(S)	53 32.5
FEB 03	
GUA IP	18 05 52.4
I	06 02.2
FEB 03	
FGU E(P)	18 11 36.5
E(S)	11 55.9
FEB 03	
GUA IP	18 12 12.5
ES	12 21.7
FEB 03	
BOZ IP	18 14 12.0
FEB 03	
COL EP	18 26 29.0
FEB 03	
H-18 54 33.2	
49.1N 155.7E	
h ABOUT 033KM	
COL EP	19 01 08.9
EUR FP	19 04 41.9
BCN EP	19 05 02.4
I	05 11.9
FEB 03	
H-18 54 48.6	
49.6N 156.7E	
h ABOUT 040KM	
COL I(P)	19 01 17.4
HHM E(P)	19 04 19.2
EUR I(P)	19 04 52.1
FGU E(P)	19 05 10.8

Date and Station	Phase (GCT)
	h m s
BCN I(P)	19 05 11.9
TUC I(P)	19 05 44.0
ALQ I(P)	19 05 48.0
FEB 03	
EUR EP	19 13 56.5
FEB 03	
FGU E(P)	19 19 08.5
ES	19 42.0
FEB 03	
GUA EP	19 42 10.6
ES	42 20.0
FEB 03	
TUC E(P)	19 48 50.0
BCN E(P)	19 49 38.6
EL	50 42.4
ALQ EP	19 50 39.0
GCA E(P)	19 51 19.7
EUR EP	19 52 30.3
FEB 03	
H-20 05 47.6	
23.2S 179.8W	
h ABOUT 509KM	
TUC EP	20 17 35.0
FEB 03	
BOZ EP	20 49 02.0
FGU EP	20 49 07.5
IS	49 40.5
FEB 03	
H-21 04 10.0	
34.6N 136.3E	
h ABOUT 047KM	
HHM EP	21 15 56.1
EUR FP	21 16 19.3
BCN E(P)	21 16 27.8
FGU EP	21 16 36.0
FEB 03	
FGU IP C	21 26 56.2
IS	27 15.6
FEB 03	
ALQ EP	22 00 53.0
FEB 03	
ALQ EP	22 16 21.0
GCA E(P)	22 16 30.1
FS	17 02.9
FEB 03	
FGU EP	22 31 56.4
FEB 03	
TUC EP	22 41 57.0

Date and Station	Phase	(GCT)
		h m s
FEB 03		
FGU	E(P)	23 12 03.1
FEB 03		
H-23 12 26.7		
31.0N 114.3W		
h ABOUT 014KM		
TUC	E(P)	23 13 19.0
BCN	E(P)	23 13 52.2
	I	14 15.7
	EL	15 14.4
GCA	E(P)	23 14 20.2
ALQ	E(P)	23 14 27.0
EUR	EP	23 14 34.8
FGU	E(P)	23 15 04.1
FEB 03		
TUC	EP	23 53 29.0
	E(S)	54 07.0
BCN	E(P)	23 53 50.7
	EL	55 18.2
FEB 04		
GUA	IP	00 08 56.0
EUR	EP	00 21 35.0
FEB 04		
GUA	IP	00 35 25.2
FEB 04		
GCA	E(P)	00 51 09.3
FEB 04		
BOZ	EP	00 58 15.0
	ES	58 44.0
FGU	EP	00 58 22.4
	ES	58 58.1
FEB 04		
GUA	EP	01 32 46.5
FEB 04		
COL	EP	01 46 10.0
FEB 04		
TUC	E(P)	02 23 57.0
BCN	E(P)	02 24 33.1
	EL	26 11.0
FEB 04		
GUA	IP	03 45 03.7
FEB 04		
GUA	IP	04 08 34.1
	ES	08 42.6
FEB 04		
BOZ	EP	05 01 25.0
FEB 04		
GUA	EP	05 39 37.3

Date and Station	Phase	(GCT)
		h m s
FEB 04		
H-05 40 23.3		
31.1N 114.3W		
h ABOUT 014KM		
TUC	EP	05 41 13.0
BCN	IP	05 41 37.7
	I	41 59.4
	IL	43 01.8
GCA	IP	05 41 57.9
ALQ	E(P)	05 42 18.0
EUR	EP	05 42 28.3
	I	44 59.1
SLC	E(P)	05 42 56.3
FGU	E(P)	05 42 58.2
HHM	EP	05 44 27.0
BOZ	E(P)	05 44 40.0
FEB 04		
BOZ	E(P)	05 58 37.0
FEB 04		
H-06 24 49.5		
4.0S 080.4W		
h ABOUT 164KM		
SJP	EP	06 30 15.0
ALQ	EP	06 32 57.0
BOZ	EP	06 34 18.5
FEB 04		
H-07 38 02.8		
03.8S 080.8W		
h ABOUT 061KM		
SJP	EP	07 43 35.4
ALQ	EP	07 46 17.0
BOZ	EP	07 47 37.5
FEB 04		
EUR	EP	07 41 45.8
FEB 04		
TUC	E(P)	08 01 03.0
FEB 04		
FGU	E(P)	08 09 23.1
	E(S)	09 47.8
FEB 04		
GUA	EP	09 07 19.4
COL	EP	09 10 21.0
TUC	E(P)	09 14 57.0
	E	15 46.0
FEB 04		
H-09 31 29.5		
31.1N 114.4W		
h ABOUT 014KM		

Date and Station	Phase	(GCT)
		h m s
TUC	E(P)	09 32 22.0
	I	32 35.0
EUR	E(P)	09 33 46.9
FEB 04		
BCN	E(P)	09 33 10.4
	I	33 17.7
	EL	34 35.8
ALQ	EP	09 33 57.0
FEB 04		
GCA	E(P)	09 34 43.1
FEB 04		
H-10 02 21.4		
48.2N 154.4E		
h ABOUT 040KM		
COL	EP	10 09 08.0
HHM	E(P)	10 12 06.0
BOZ	IP	10 12 27.5
	pP	12 38.0
EUR	EP	10 12 38.3
FGU	EP	10 12 57.3
TUC	EP	10 13 28.0
	EpP	13 40.5
ALQ	IP	10 13 33.0
FEB 04		
H-10 17 00.5		
50.3N 177.8E		
h ABOUT 040KM		
COL	EP	10 22 04.0
BOZ	EP	10 25 19.0
FEB 04		
COL	EP	10 44 19.0
FEB 04		
KIP	ET	11 00 11.0
FEB 04		
H-11 27 29.5		
22.4S 066.1W		
h ABOUT 201KM		
TUC	EP	11 38 15.5
FEB 04		
HHM	EP	11 41 39.3
COL	E(P)	11 42 06.5
FEB 04		
HHM	EP	11 47 30.8
FEB 04		
BCN	EP	12 12 57.8
	E	13 09.8
FEB 04		
BCN	E(P)	12 54 04.0

Date and Station	Phase	(GCT)
		h m s
FEB 04		
FGU	EP	13 41 01.9
	E(S)	41 35.4
FEB 04		
GUA	IP	17 34 14.9
EUR	IP	17 38 09.5
FEB 04		
EUR	EP	18 47 31.3
FEB 04		
ALQ	EP	18 58 32.0
	E	58 46.0
FEB 04		
FGU	EP	20 11 42.6
	ES	12 26.1
FEB 04		
ALQ	EP	20 57 54.0
	E	58 30.0
FEB 04		
ALQ	EP	21 01 36.0
FEB 04		
FGU	EP	21 17 08.1
FEB 04		
SLC	E(P)	21 58 54.8
FEB 04		
EUR	IP	22 21 35.8
FEB 04		
HHM	EP	22 30 40.0
FEB 04		
H-22 52 04.3		
05.6S 105.5E		
h ABOUT 033KM		
BOZ	IP'	23 11 12.0
EUR	EP'	23 11 15.0
FGU	EP'	23 11 19.4
CSC	EP'	23 11 56.0
FEB 04		
ALQ	EP	22 56 23.0
FEB 04		
FGU	IP D	23 05 56.1
	IS	06 20.1
FEB 05		
GUA	IP	00 08 08.0
	ES	08 16.8
FEB 05		
SJP	EP	02 04 42.0
	EL	04 58.0
FEB 05		
FGU	E(P)	02 50 36.2
FEB 05		
COL	EP	03 28 24.0

Date and Station	Phase (GCT)
	h m s
FEB 05	
TUC E(P)	05 50 27.0
E	51 19.0
BCN E(P)	05 50 55.2
E	51 13.0
E	52 12.0
EUR EP	05 51 52.5
FEB 05	
ALQ EP	05 52 04.0
FEB 05	
TUC EP	06 21 00.5
E	21 43.0
FEB 05	
TUC E(P)	06 30 41.0
I	30 52.0
FEB 05	
EUR EP	06 32 04.7
ALQ EP	06 32 20.0
GCA E(P)	06 33 15.1
FEB 05	
EUR EP	07 20 23.1
E	20 39.3
FEB 05	
TUC E(P)	09 26 46.0
FEB 05	
H-09 51 36.1	
15.9S 174.1W	
h ABOUT 104KM	
COL IP	10 03 51.0
FEB 05	
H-11 18 16.3	
30.4S 177.9W	
h ABOUT 114KM	
BCN EP	11 30 59.3
TUC IP D	11 31 01.8
ALQ IP	11 31 20.5
BOZ EP	11 31 33.5
FEB 05	
H-11 30 15.7	
36.5N 141.0E	
h ABOUT 046KM	
GUA E(P)	11 35 24.1
ES	39 32.0
COL EP	11 39 04.0
KIP EP	11 39 43.0
FS	47 21.0
FL	52 38.0
HON E(P)	11 39 56.0
ES	47 22.0
EL	52 40.0
BUT EP	11 41 51.5

Date and Station	Phase (GCT)
	h m s
BOZ EP C	11 41 56.0
I▸P	42 10.0
EUR IP	11 42 02.7
BCN EP	11 42 18.3
I▸P	42 32.8
FGU IP	11 42 20.8
SLC I(P)	11 42 23.3
I	42 26.0
GCA E(P)	11 42 28.0
RCD IP	11 42 28.0
E▸P	42 41.5
TUC EP	11 42 44.0
E▸P	42 58.0
ALQ IP	11 42 49.0
E▸P	43 03.0
FEB 05	
H-11 35 18.6	
19.7S 179.8W	
h ABOUT 414KM	
KIP IP	11 43 05.1
HON EP	11 43 06.0
GUA EP	11 43 19.4
E	43 27.0
I	43 43.2
UKI EP	11 46 38.8
BCN IP C	11 46 59.5
IPP	50 11.7
EUR IP	11 47 04.1
TUC IP C	11 47 05.5
EPP	50 23.0
GCA IP	11 47 13.5
SLC IP	11 47 20.0
COL IP	11 47 22.4
ES	57 23.0
ALQ IP	11 47 25.0
FGU IP	11 47 28.1
BUT IP	11 47 28.5
BOZ IP C	11 47 31.2
FEB 05	
BHP IP	11 52 16.0
TUC EP	11 56 45.0
FGU EP	11 57 34.3
FEB 05	
FGU EP	12 04 51.8
FEB 05	
ALQ EP	12 11 46.0

Date and Station	Phase (GCT)
	h m s
FEB 05	
FGU IP	12 28 19.8
FEB 05	
H-12 48 40.9	
16.6S 179.6W	
h ABOUT 475KM	
BCN E(P)	13 00 03.7
EUR EP	13 00 07.6
TUC E(P)	13 00 10.0
COL EP	13 00 26.0
FEB 05	
COL EP	14 51 08.0
FEB 05	
H-16 15 08.1	
03.8S 141.3E	
h ABOUT 110KM	
KIP IP	16 25 35.5
HON EP	16 25 36.0
COL EP	16 27 30.0
SJP IP'D	16 34 46.0
FEB 05	
H-16 21 50.3	
03.7S 140.0E	
h ABOUT 055KM	
COL EP	16 34 25.0
FEB 05	
ALQ IP	17 12 12.0
I	12 53.0
FEB 05	
HHM E(P)	18 56 42.0
E(S)	57 22.0
FEB 05	
SLC EP	19 44 09.3
IS	44 35.4
FEB 05	
H-19 45 58.0	
35.1N 118.8W	
h ABOUT 014KM	
BCN E(P)	19 46 51.8
IL	47 35.9
EUR IP	19 47 13.2
FEB 05	
TUC E(P)	19 49 51.0
FEB 05	
BCN EP	19 54 52.6
UKI EP	19 56 32.4
FEB 05	
ALQ E(P)	20 15 17.0

Date and Station	Phase (GCT)
	h m s
FEB 05	
H-20 18 10.5	
35.4N 118.6W	
h ABOUT 014KM	
BCN IP	20 19 01.4
IS	19 44.6
EUR IP	20 19 22.4
FEB 05	
COL EP	21 03 46.0
FEB 05	
H-21 13 19.0	
23.7S 068.8W	
h ABOUT 090KM	
ALQ IP	21 24 13.0
TUC IP	21 24 14.5
BCN EP	21 24 45.7
EUR IP	21 25 03.4
BOZ EP	21 25 15.9
HHM EP	21 25 33.1
E▸P	25 55.6
FEB 05	
FGU IP D	21 33 31.0
IS	33 51.5
FEB 05	
ALQ EP	22 59 09.0
FEB 05	
H-23 54 37.8	
52.9N 168.4W	
h ABOUT 045KM	
COL IP	23 58 20.8
EUR IP	24 01 53.2
TUC E(P)	24 02 56.0
FEB 06	
COL EP	00 13 01.0
FEB 06	
EUR EP	00 32 10.8
FEB 06	
COL EP	02 23 19.0
F	23 35.0
HHM EP	02 25 25.6
FEB 06	
ALQ IP	04 33 33.0
FEB 06	
H-04 35 56.8	
6.8N 073.1W	
h ABOUT 140KM	
SJP IP D	04 39 01.5
FS	41 19.0
I	41 42.0
TUC IP	04 43 46.6

Date and Station	Phase	(GCT)
		h m s
FGU	IP	04 44 15.6
BCN	IP D	04 44 24.4
FUR	IP	04 44 42.2
BOZ	IP	04 44 46.0
HHM	EP	04 45 08.0
COL	EP	04 47 39.0
FEB 06		
COL	EP	05 59 50.0
FEB 06		
COL	IP	06 39 42.7
BOZ	EP	06 42 52.0
EUR	IP	06 44 57.4
FEB 06		
H-07 43 40.4		
52.2N 171.2W		
h ABOUT 033KM		
COL	IP	07 47 44.9
HHM	EP	07 50 39.5
BOZ	EP	07 51 03.0
EUR	IP	07 51 11.2
FGU	EP	07 51 34.7
TUC	EP	07 52 12.5
ALQ	IP	07 52 21.0
FEB 06		
H-07 53 48.8		
37.5N 113.2W		
h ABOUT 015KM		
GCA	IP C	07 54 13.6
	IS	54 32.5
BCN	I(P)	07 54 34.0
	E(S)	54 59.0
EUR	IP	07 54 40.1
ALQ	E(P)	07 55 29.0
FEB 06		
BCN	I(P)	07 54 41.2
TUC	E(P)	07 55 32.0
	E	56 45.0
FEB 06		
H-08 00 35.0		
27.4N 144.3E		
h ABOUT 040KM		
HHM	EP	08 12 27.5
	EpP	12 37.5
EUR	EP	08 12 41.6
	EpP	12 52.1
FGU	EP	08 13 01.5
ALQ	EP	08 13 27.0
FEB 06		
H-08 02 28.3		
42.0N 112.3W		
h ABOUT 030KM		
SLC	IP	08 02 50.1
	IS	03 09.1
FGU	IP	08 03 07.7
	IS	03 40.2
BOZ	EP	08 03 25.0
EUR	IP	08 03 27.2
BUT	EP	08 03 31.5
HHM	E(P)	08 04 20.0
ALQ	E(P)	08 05 03.0
	E	06 43.0
FEB 06		
FGU	EP	08 43 11.2
	ES	43 42.7
FEB 06		
H-09 40 15.9		
47.8N 152.4E		
h ABOUT 065KM		
BOZ	EP	09 50 28.0
EUR	EP	09 50 38.6
	EpP	50 55.1
FEB 06		
UKI	E(P)	10 15 08.9
	E	15 21.2
	E	15 29.4
FEB 06		
FGU	EP	10 58 56.2
FEB 06		
COL	IP	11 12 13.4
ALQ	EP	11 17 52.0
FEB 06		
H-11 13 34.8		
42.1N 112.4W		
h ABOUT 030KM		
SLC	EP	11 13 57.1
	IS	14 16.1
FGU	IP	11 14 16.3
	IS	14 45.2
BOZ	IP	11 14 32.0
	ES	15 18.0
EUR	IP	11 14 34.1
BUT	E(P)	11 14 42.6
	ES	15 27.6
HHM	E(P)	11 15 08.0
FEB 06		
BOZ	EP	12 28 05.0
FEB 06		
H-13 07 25.2		
55.7N 155.8W		
h ABOUT 033KM		
COL	IP	13 09 45.9
SIT	E(P)	13 10 02.5
	IS	12 13.5
	EL	13 12.0
HHM	EP	13 12 59.9
	E(S)	17 33.4
UKI	EP	13 13 09.9
	ES	17 46.9
BUT	EP	13 13 20.1
	ES	18 10.6
BOZ	EP C	13 13 27.0
	I(S)	19 10.0
EUR	IP	13 13 40.1
SLC	EP	13 13 55.0
	ES	19 24.8
FGU	EP	13 14 02.8
	I	14 16.3
BCN	EP D	13 14 08.1
	ES	19 34.9
	EL	24 40.0
KIP	EP	13 14 10.0
	IPP	15 20.0
	IS	19 42.0
	EL	21 17.0
	ET	49 22.0
RCD	EP	13 14 14.0
	I	20 38.0
	ES	26 42.0
HON	EP	13 14 14.0
	EPP	15 22.0
	IS	19 43.0
	EL	21 16.0
	ET	49 43.0
GCA	IP	13 14 18.6
TUC	IP	13 14 51.0
	ES	20 54.0
ALQ	IP	13 14 55.0
	IPCP	17 05.0
PHI	EP	13 16 44.0
	IS	16 24 17.6
	IL	13 36 33.5
WAS	IP	13 16 44.0
	E	17 18.0
	E(PP)	18 54.0
CSC	EP	13 16 50.0
SJP	IP D	13 19 03.7
	E	23 17.7
	IS	28 40.0
FEB 06		
H-13 13 45.2		
55.8N 155.9W		
h ABOUT 033KM		
SIT	EP	13 16 25.0
UKI	EP	13 19 26.9
BCN	EP	13 20 28.9
	IPCP	23 10.9
KIP	IP	13 20 29.8
	EPP	21 37.0
	ET	55 57.0
HON	EP	13 20 30.0
	EPP	21 42.0
	ET	56 13.0
TUC	IP	13 21 11.0
	EPCP	23 28.0
SJP	IP D	13 25 23.5
FEB 06		
SIT	I(P)	13 20 46.0
FEB 06		
SIT	E(P)	13 42 53.0
FEB 06		
ALQ	EP	14 05 42.0
FEB 06		
H-14 13 10.8		
04.0S 103.9W		
h ABOUT 033KM		
TUC	EP	14 20 16.0
BCN	EP	14 20 54.0
BOZ	EP	14 22 02.0
HHM	EP	14 22 25.4
COL	IP	14 24 55.3
FEB 06		
H-15 00 32.6		
56.1N 154.3W		
h ABOUT 033KM		
COL	EP	15 02 47.0
FEB 06		
BCN	E(P)	15 13 42.4
	EL	14 07.9
FEB 06		
BCN	IP	15 14 21.3
	IL	14 46.4
EUR	EP	15 14 49.8
FEB 06		
H-15 19 38.1		
10.5S 120.7E		
h ABOUT 043KM		
BCN	EP'	15 38 27.3
HHM	EP'	15 38 28.4

Date and Station	Phase (GCT)
	h m s
EUR EP'	15 38 32.0
BOZ EP'	15 38 34.0
KIP ET	15 42 48.0
FEB 06	
BOZ EP	15 28 56.0
FEB 06	
TUC E(P)	15 35 38.0
FEB 06	
EUR E(P)	15 44 44.6
COL EP	15 48 22.0
FEB 06	
COL EP	15 57 03.0
FEB 06	
H-15 57 17.3	
55.4N 160.8W	
h ABOUT 033KM	
COL EP	16 00 02.0
EUR EP	16 03 55.2
FEB 06	
H-16 17 52.0	
37.2N 116.3W	
h ABOUT 030KM	
BCN IP	16 18 19.7
IL	18 39.1
EUR IP	16 18 29.0
FEB 06	
SLC EP	16 32 42.2
IS	33 12.7
FEB 06	
ALQ IP	17 59 37.0
FEB 06	
ALQ E(P)	18 03 22.0
FEB 06	
COL EP	18 19 16.0
FEB 06	
BOZ E(P)	18 46 08.0
ES	46 43.0
FEB 06	
EUR IP	18 55 10.1
HHM E(P)	18 56 30.0
ES	57 04.0
FEB 06	
H-19 08 57.8	
24.0N 126.4E	
h ABOUT 033KM	
GUA EP	19 13 34.0
COL IP	19 19 46.9
HHM E(P)	19 21 57.3

Date and Station	Phase (GCT)
	h m s
FEB 06	
EUR EP	19 20 08.4
FEB 06	
HHM EP	19 24 42.3
BOZ EP	19 24 55.0
FEB 06	
BOZ EP	19 37 37.0
ES	38 07.0
EUR EP	19 38 13.4
FEB 06	
FGU EP	20 02 54.8
FEB 06	
H-20 32 54.9	
33.5S 178.4W	
h ABOUT 033KM	
TUC E(P)	20 45 59.0
FEB 06	
BUT E(P)	20 37 37.0
ES	38 00.0
FEB 06	
COL IP	20 41 25.6
FEB 06	
COL EP	21 05 06.0
FEB 06	
COL EP	21 27 11.0
FEB 06	
COL EP	22 00 53.0
FEB 06	
HHM E(P)	22 14 42.0
ES	15 15.0
FEB 06	
COL IP	22 19 04.9
FEB 06	
ALQ EP	22 40 15.0
FEB 06	
FGU IP	22 48 35.8
FEB 06	
FGU E(P)	22 49 44.3
IS	50 16.8
FEB 06	
EUR IP	22 59 53.8
FEB 06	
BCN I(P)	23 37 21.3
EL	37 59.3
FEB 07	
COL IP	00 07 49.9
FEB 07	
GCA E(P)	00 12 43.8
FEB 07	
H-00 10 42.7	
56.0N 155.5W	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
COL EP	00 13 01.5
FEB 07	
CSC E(P)	01 29 31.0
FEB 07	
COL IP	02 16 08.3
FEB 07	
H-06 31 21.8	
05.8S 154.0E	
h ABOUT 077KM	
EUR EP	06 44 31.1
FEB 07	
BUT E(P)	08 02 35.0
E	03 00.0
FEB 07	
H-08 34 09.6	
23.8N 126.4E	
h ABOUT 045KM	
COL E(P)	08 45 08.0
HHM E(P)	08 47 04.0
FEB 07	
FGU E(P)	08 44 54.3
E(S)	45 32.1
FEB 07	
H-09 30 08.9	
19.7N 147.6E	
h ABOUT 033KM	
GUA E(P)	09 31 46.0
EUR EP	09 42 30.8
FGU E(P)	09 42 51.3
FEB 07	
H-09 34 27.2	
14.8S 167.5E	
h ABOUT 159KM	
COL EP	09 46 51.0
FEB 07	
ALQ EP	10 54 21.0
FEB 07	
TUC EP	11 09 29.0
FGU EP	11 10 13.3
RCD EP	11 10 17.0
BOZ EP	11 10 51.0
COL EP	11 12 25.0
FEB 07	
BUT E(P)	11 25 56.0
I	31 24.9
FEB 07	
GCA E(P)	11 54 35.9

Date and Station	Phase (GCT)
	h m s
FEB 07	
H-11 57 19.1	
17.2N 093.0W	
h ABOUT 245KM	
ALQ IP	12 01 49.0
FEB 07	
COL IP	12 51 42.5
FEB 07	
H-12 58 53.6	
39.8N 142.8E	
h ABOUT 045KM	
COL IP	13 07 15.1
HHM E(P)	13 09 56.3
pP	10 08.3
BUT E(P)	13 10 08.8
I	11 07.6
BOZ IP	13 10 14.0
IpP	10 26.0
EUR IP	13 10 22.7
SLC EP	13 10 31.7
BCN IP C	13 10 39.1
EpP	10 50.6
FGU IP	13 10 39.5
RCD EP	13 10 45.0
E	10 59.0
GCA EP	13 10 47.2
TUC EP	13 11 05.4
EpP	11 18.0
ALQ IP	13 11 11.0
IpP	11 24.0
E(S)	16 43.0
HON E	13 15 55.0
EL	23 10.0
FEB 07	
COL EP	13 06 54.0
FEB 07	
H-13 20 08.1	
42.1N 112.4W	
h ABOUT 025KM	
SLC EP	13 20 31.5
ES	20 50.2
FGU IP	13 20 50.2
IS	21 23.5
EUR EP	13 21 07.4
FEB 07	
EUR EP	14 42 47.1
FEB 07	
BOZ E(P)	17 08 29.0
ES	09 04.0

Date and Station	Phase	Phase (GCT) h m s
FEB 07		
EUR	EP	17 30 45.8
FEB 07		
COL	EP	18 02 09.0
FEB 07		
COL	EP	18 28 04.0
EUR	IP	18 32 44.7
FEB 07		
EUR	IP	20 02 28.0
FEB 07		
ALQ	EP	20 52 08.0
	E	52 48.0
FEB 07		
ALQ	E(P)	21 17 26.0
FEB 07		
SLC	EP	21 19 39.1
	ES	19 57.5
FEB 07		
SJP	E(P)	21 36 14.8
FEB 07		
TUC	IP	21 56 19.2
FEB 07		
H-22 07 49.9		
35.3N 118.8W		
h ABOUT 014KM		
BCN	IP D	22 08 40.9
	I	08 50.4
	IS	09 20.9
	IL	09 30.9
EUR	IP	22 09 02.7
UKI	IP	22 09 09.9
	EL	10 31.4
GCA	IP	22 09 21.2
TUC	E(P)	22 09 36.0
	EL	11 29.0
SLC	E(P)	22 09 58.0
	E	10 14.2
	IL	12 05.5
FGU	EP	22 10 08.8
ALQ	IP	22 10 18.0
	I	10 55.0
	EL	13 04.0
BOZ	EP	22 10 40.2
	IL	13 43.0
	E	16 30.0
HHM	EP	22 11 05.3
	EL	14 07.3
FEB 07		
H-22 10 52.8		
35.4N 118.8W		
h ABOUT 014KM		

Date and Station	Phase	Phase (GCT) h m s
BCN	IP	22 11 42.3
	I	11 54.2
	IS	12 22.9
	IL	12 32.4
EUR	IP	22 12 05.3
UKI	IP	22 12 11.4
	EL	13 32.7
TUC	E(P)	22 12 48.0
	EL	14 41.0
FEB 07		
BUT	E(P)	22 15 56.0
FEB 07		
HHM	EP	22 54 00.3
FEB 07		
SLC	EP	23 05 31.5
	ES	05 58.3
FEB 08		
TUC	E(P)	00 11 04.0
BCN	E(P)	00 11 51.7
	E	12 06.4
	EL	12 47.0
FEB 08		
KIP	EP	00 23 16.0
	ES	23 43.0
FEB 08		
KIP	IP	02 07 25.1
FEB 08		
BOZ	EP	02 31 00.0
	ES	31 33.0
FEB 08		
H-03 37 22.8		
32.9N 115.7W		
h ABOUT 014KM		
BCN	E(P)	03 38 14.4
	EL	39 10.2
FEB 08		
EUR	EP	03 39 31.4
FEB 08		
FGU	E(P)	04 02 13.5
	ES	02 47.1
FEB 08		
H-05 29 21.6		
34.3N 118.6W		
h ABOUT 014KM		
BCN	I(P)	05 30 28.9
	IL	31 15.7
EUR	EP	05 30 49.8
TUC	E(P)	05 31 10.0
FEB 08		
H-06 22 09.1		
44.4N 114.5W		
h ABOUT 030KM		

Date and Station	Phase	Phase (GCT) h m s
BUT	EP	06 22 44.9
	EL	23 21.9
BOZ	EP	06 22 48.0
	IL	23 27.0
HHM	EP	06 23 11.1
	E	24 09.1
	IL	24 19.1
SLC	EP	06 23 11.9
	E(S)	24 06.4
EUR	IP	06 23 24.8
FGU	IP	06 23 25.6
	I	23 37.1
	I	23 44.9
RCD	IP	06 24 12.5
BCN	E(P)	06 24 27.6
	E	24 42.0
	EL	26 25.0
TUC	EP	06 25 06.0
ALQ	E(P)	06 25 38.0
COL	EP	06 27 57.7
FEB 08		
GUA	IP	06 23 46.6
	I	23 54.0
FEB 08		
H-06 28 07.5		
45.4N 151.4E		
h ABOUT 033KM		
COL	IP D	06 35 23.0
FEB 08		
H-06 28 25.9		
36.8N 050.3E		
h ABOUT 033KM		
COL	IP C	06 40 20.2
FEB 08		
FGU	IP C	09 17 21.0
	IS	17 53.5
FEB 08		
H-09 59 17.4		
14.4N 091.3W		
h ABOUT 033KM		
ALQ	IP	10 04 37.0
TUC	EP	10 04 41.0
EUR	EP	10 05 52.8
FEB 08		
SJP	EP	10 15 52.5
FEB 08		
BCN	E(P)	10 26 09.8
FEB 08		
ALQ	IP	11 12 23.0
	I	12 41.0

Date and Station	Phase	Phase (GCT) h m s
FEB 08		
SJP	EP	11 15 49.5
	I	16 07.4
FEB 08		
H-11 17 46.5		
52.3N 175.6E		
h ABOUT 060KM		
KIP	IP	11 24 52.5
	EL	34 25.0
	ET	12 02 47.0
HON	EP	11 24 54.0
HHM	EP	11 25 45.3
	I(SCP)	31 18.1
	E	35 39.1
UKI	EP	11 25 45.3
	E▸P	26 00.6
BOZ	EP	11 26 08.0
	I▸P	26 22.0
	ISCP	31 29.0
EUR	IP	11 26 18.3
SLC	E(P)	11 26 29.9
FGU	EP	11 26 39.3
	ISCP	31 47.8
BCN	EP	11 26 41.6
	I	26 44.0
	F▸P	26 55.8
	EPCP	28 07.7
	E▸PCP	28 22.2
	FSCP	31 48.0
RCD	IP	11 26 53.0
	E▸P	27 08.0
TUC	EP	11 27 16.6
	E(▸P)	27 34.0
FEB 08		
ALQ	E(P)	12 44 15.0
FGU	EP	12 44 22.8
FEB 08		
UKI	IP	14 14 02.1
	IS	14 06.4
FEB 08		
FGU	EP	14 42 08.4
SLC	E(P)	14 42 22.2
FEB 08		
ALQ	E(P)	14 51 20.0
FEB 08		
CSC	E(P)	16 59 36.0
FEB 08		
H-17 12 05.1		
28.6N 044.0W		
h ABOUT 033KM		
ALQ	F(P)	17 21 19.0

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	17 21 21.0
E	21 34.0
EUR EP	17 22 05.0
BCN EP	17 22 05.3
FEB 08	
EUR IP	18 40 01.8
FEB 08	
ALQ E(P)	19 16 09.0
BCN EP	19 16 24.2
E	16 32.7
FEB 08	
BCN E(P)	19 20 12.2
FEB 08	
TUC IP	20 26 24.0
IS	26 44.0
ALQ EP	20 26 48.0
E	27 36.0
FEB 08	
SLC EP	20 42 47.8
IS	43 15.6
FGU EP	20 43 20.7
EUR EP	20 43 38.2
FEB 08	
COL EP	21 42 31.0
FEB 08	
BCN E(P)	22 09 26.2
E	09 35.4
EUR EP	22 09 47.9
FEB 08	
H-22 16 08.7	
45.9N 151.3E	
h ABOUT 045KM	
COL IP	22 23 21.3
BOZ EP	22 26 35.0
FUR EP	22 26 45.1
BCN EP	22 27 03.6
E>P	27 16.0
ALQ F(P)	22 27 48.0
FEB 08	
SLC E(P)	23 07 24.8
FEB 08	
BOZ EP	23 09 22.5
FEB 08	
HHM E(P)	23 16 28.0
E	17 00.0
FEB 08	
BCN IP	23 27 02.1
FEB 08	
SLC EP	23 45 30.0

Date and Station	Phase (GCT)
	h m s
FGU E(P)	23 46 00.6
FEB 09	
COL EP	00 01 26.0
FEB 09	
CSC E(P)	00 18 59.0
FEB 09	
EUR EP	00 23 36.0
FEB 09	
COL EP	00 57 05.0
FEB 09	
TUC E(P)	01 10 06.0
FEB 09	
BOZ IP	01 24 59.0
I(S)	25 05.0
BUT IP	01 25 10.8
HHM EP	01 25 42.1
ES	26 22.1
FEB 09	
COL EP	01 49 31.0
FEB 09	
H-02 00 07.3	
16.5S 179.2W	
h ABOUT 480KM	
HON EP	02 07 23.9
KIP IP	02 07 25.0
UKI EP	02 11 06.5
BCN IP D	02 11 28.7
E	12 09.0
(>P)	13 20.0
(sP)	14 36.0
EUR IP	02 11 32.7
TUC IP D	02 11 35.4
E>P	13 27.5
GCA IP	02 11 43.2
COL IP	02 11 47.8
SLC IP	02 11 49.2
ALQ IP	02 11 56.0
I>P	02 13 50.0
FGU IP	02 11 58.3
I>P	13 51.5
BUT IP	02 11 58.8
HHM IP	02 11 59.1
BOZ IP	02 12 01.0
RCD I(P)	02 12 14.0
FEB 09	
H-02 29 17.0	
60.6N 150.8W	
h ABOUT 099KM	

Date and Station	Phase (GCT)
	h m s
COL IP	02 30 24.1
FEB 09	
HHM EP	02 29 52.1
FEB 09	
EUR EP	02 35 37.7
FEB 09	
FGU EP	04 26 13.7
ES	26 38.2
FEB 09	
BOZ EP	04 31 53.0
ES	32 24.0
FEB 09	
COL EP	08 03 25.0
FEB 09	
GUA E(P)	08 23 42.0
FEB 09	
GUA EP	09 01 27.0
FEB 09	
FGU E(P)	09 20 58.0
ES	21 44.5
FEB 09	
ALQ E(P)	09 22 11.0
FEB 09	
RCD EP	09 24 07.0
FEB 09	
H-10 49 21.1	
12.3N 090.6W	
h ABOUT 033KM	
TUC E(P)	10 55 04.0
EUR EP	10 56 15.0
FEB 09	
H-11 03 03.7	
41.5N 128.2W	
h ABOUT 014KM	
EUR EP	11 05 21.7
BCN E(P)	11 06 02.0
E	06 41.0
BOZ EP	11 06 06.5
ALQ E(P)	11 07 19.0
FEB 09	
BOZ EP	11 13 42.0
ES	14 08.0
FEB 09	
H-12 24 06.6	
48.6N 155.0E	
h ABOUT 033KM	
COL EP	12 30 48.0
FEB 09	
SJP EP	14 59 35.3

Date and Station	Phase (GCT)
	h m s
FEB 09	
H-16 08 00.4	
03.1N 096.5E	
h ABOUT 039KM	
ALQ EP'	16 27 23.0
FEB 09	
COL IP	16 18 14.0
FEB 09	
FGU EP	16 47 16.1
ES	47 41.6
FEB 09	
FGU EP	16 52 48.3
ES	53 13.1
FEB 09	
HHM EP	17 46 00.1
I	47 01.0
FEB 09	
COL EP	18 10 29.0
FEB 09	
BOZ E(P)	18 11 11.0
ES	11 43.0
HHM E(P)	18 11 33.0
EUR EP	18 11 47.3
FEB 09	
BCN E(P)	19 05 24.1
EL	06 05.1
EUR EP	19 05 54.7
FEB 09	
COL IP	19 12 45.7
FEB 09	
COL EP	19 51 52.0
FEB 09	
EUR IP	20 12 06.1
FEB 09	
BOZ EP	21 42 32.5
ES	43 08.0
EUR EP	21 43 13.6
FEB 09	
BOZ IP	22 04 01.6
IS	04 12.0
HHM E(P)	22 04 31.0
FEB 09	
HHM EP	23 40 57.0
I	41 59.0
FEB 10	
H-00 18 52.1	
11.6S 166.2E	
h ABOUT 066KM	
COL EP	00 31 13.0
BCN EP	00 31 37.6
E>P	31 53.1

Date and Station	Phase (GCT)
	h m s
FEB 10	
H-00 26 29.7	
6.3N 125.8E	
h ABOUT 033KM	
COL EP	00 38 52.0
FEB 10	
COL EP	00 47 00.0
FEB 10	
TUC E(P)	02 47 51.0
COL EP	02 49 02.0
FEB 10	
H-03 48 05.5	
36.4N 071.0E	
h ABOUT 249KM	
COL EP	03 59 18.0
FEB 10	
EUR IP	05 48 49.6
BCN E(P)	05 48 52.2
E	49 02.2
EL	50 04.7
FEB 10	
COL IP	06 13 12.5
FEB 10	
BUT EP	06 59 16.0
ES	59 38.0
FEB 10	
EUR EP	07 35 17.6
FEB 10	
COL EP	08 50 14.0
FEB 10	
COL EP	09 15 06.0
FEB 10	
COL EP	09 33 56.0
FEB 10	
H-09 56 44.9	
20.9S 178.6W	
h ABOUT 575KM	
BCN EP	10 08 11.5
TUC EP	10 08 16.0
COL IP	10 08 37.1
FGU EP	10 08 40.2
FEB 10	
TUC E(P)	11 21 28.0
FEB 10	
COL EP	12 16 16.0
FEB 10	
COL EP	13 45 33.0
FEB 10	
BOZ EP	14 47 07.0
E	47 22.0

Date and Station	Phase (GCT)
	h m s
FEB 10	
BCN EP	15 22 54.0
FEB 10	
COL EP	17 23 34.0
FEB 10	
H-17 27 07.2	
06.1S 104.1E	
h ABOUT 126KM	
ALQ EP'	17 46 26.0
E	47 19.0
E	49 29.0
FEB 10	
H-17 27 58.2	
06.1S 104.1E	
h ABOUT 033KM	
EUR IP'	17 47 09.9
BCN EP'	17 47 16.2
EpP	47 31.7
E	50 41.7
FEB 10	
COL EP	17 28 40.0
FEB 10	
COL EP	17 46 02.0
FEB 10	
TUC IP	17 48 56.0
IS	49 16.0
EUR IP	17 50 32.1
FEB 10	
COL EP	20 28 18.0
FEB 10	
COL EP	21 28 15.0
TUC EP	21 30 26.0
FEB 10	
TUC IP	21 49 36.4
E	49 54.0
FEB 10	
SLC EP	21 58 56.4
FEB 10	
H-22 12 21.0	
38.7N 068.3E	
h ABOUT 046KM	
COL IP	22 23 47.6
EUR EP	22 26 13.0
FEB 10	
GCA IP	22 29 51.5
I	30 10.2
FEB 10	
ALQ EP	22 59 55.0
E	23 00 26.0
FEB 10	
EUR EP	23 17 56.5

Date and Station	Phase (GCT)
	h m s
FEB 10	
EUR EP	23 21 45.5
FEB 10	
BOZ IP	23 40 09.0
IS	40 20.0
BUT EP	23 40 22.0
IS	40 36.0
FGU E(P)	23 40 59.5
FEB 10	
BCN EP	23 57 53.5
E	58 29.5
FEB 11	
H-00 41 42.6	
10.9N 141.3E	
h ABOUT 033KM	
GUA IP	00 42 48.1
E	43 08.0
BCN EP	00 55 02.4
FGU EP	00 55 12.1
FEB 11	
H-01 50 01.8	
49.4N 155.1E	
h ABOUT 033KM	
COL EP	01 56 38.0
FEB 11	
H-02 34 26.8	
19.5S 174.0W	
h ABOUT 033KM	
BCN EP	02 46 27.5
TUC IP	02 46 31.0
E	46 45.0
EUR IP	02 46 33.5
ALQ IP	02 46 55.0
FGU EP	02 46 59.5
BOZ EP	02 47 04.9
COL IP	02 47 08.2
FEB 11	
H-03 49 10.6	
27.9N 128.0E	
h ABOUT 078KM	
COL IP	03 59 29.3
BOZ EP	04 02 02.0
E	02 27.0
EUR EP	04 02 06.0
FGU EP	04 02 20.6
FEB 11	
COL EP	04 15 22.0
FEB 11	
GUA E(P)	05 28 16.9

Date and Station	Phase (GCT)
	h m s
FEB 11	
H-06 34 31.3	
44.8N 149.3E	
h ABOUT 125KM	
COL IP	06 41 50.2
EUR EP	06 45 09.9
BCN EP	06 45 28.7
FEB 11	
HHM IP	06 58 57.9
I(S)	59 07.0
BOZ EP	06 59 23.5
ES	59 55.0
FEB 11	
BOZ E(P)	07 59 40.0
E	57 16.0
FEB 11	
ALQ EP	09 25 10.0
E	25 39.0
E	25 46.0
FEB 11	
COL EP	10 56 55.0
FEB 11	
GUA EP	11 37 00.0
FEB 11	
COL E(P)	13 06 00.0
FEB 11	
EUR EP	15 28 24.8
FEB 11	
TUC E(P)	16 40 53.0
FEB 11	
EUR IP	17 21 02.3
FEB 11	
H-18 21 05.5	
15.9S 173.1W	
h ABOUT 033KM	
BCN E(P)	18 32 46.6
E	33 16.1
TUC EP	18 32 55.0
EUR IP	18 32 56.9
GCA E(P)	18 33 09.6
SLC EP	18 33 14.2
ALQ EP	18 33 17.0
E	34 27.0
FGU EP	18 33 23.8
BOZ EP	18 33 27.5
HHM EP	18 33 28.0
COL IP	18 33 29.8
FEB 11	
CSC E(P)	19 20 29.0

Date and Station	Phase (GCT)
	h m s
FEB 11	
EUR IP	19 38 47.0
FEB 11	
EUR IP	19 43 54.6
FEB 11	
COL EP	20 33 39.0
FEB 11	
COL EP	20 38 39.0
FEB 11	
FGU IP C	21 18 35.9
IS	18 55.5
FEB 11	
H-21 29 52.4	
10.2S 161.3E	
h ABOUT 095KM	
COL IP	21 42 12.0
EUR IP	21 42 48.8
BCN EP	21 42 49.3
HHM EP	21 43 01.0
BOZ EP	21 43 07.0
FGU E(P)	21 43 11.4
ALQ EP	21 43 18.0
E	45 55.0
FEB 11	
SLC EP	21 51 01.7
ES	51 19.0
FGU IP	21 51 33.8
I	52 05.1
FEB 11	
TUC IP	21 57 34.8
IS	57 53.0
FEB 11	
CSC EP	22 16 09.0
FEB 11	
EUR IP	22 25 44.7
FEB 11	
TUC IP	22 55 38.6
FEB 11	
BCN EP	23 47 54.7
EL	48 31.2
FEB 12	
ALQ E(P)	00 02 19.0
E	02 48.0
FEB 12	
COL EP	01 07 56.0
FEB 12	
H-01 36 12.5	
15.6S 174.0W	
h ABOUT 045KM	
TUC EP	01 48 02.8

Date and Station	Phase (GCT)
	h m s
ALQ E(P)	01 48 27.0
COL IP	01 48 32.5
FEB 12	
COL EP	01 41 20.0
FEB 12	
BCN IP	01 45 28.1
IS	45 40.0
FEB 12	
COL EP	02 14 50.0
FEB 12	
COL EP	02 58 26.0
FEB 12	
COL EP	06 48 50.0
FEB 12	
H-08 19 24.1	
39.8N 053.4E	
h ABOUT 033KM	
COL EP	08 30 59.0
FEB 12	
TUC E(P)	09 04 16.0
FEB 12	
GUA EP	10 32 24.8
FEB 12	
ALQ EP	11 18 31.0
FEB 12	
GUA IP	13 31 54.9
FEB 12	
EUR EP	13 51 27.1
FEB 12	
H-16 14 30.7	
43.3N 126.0W	
h ABOUT 033KM	
BOZ EP	16 17 02.0
FEB 12	
SLC EP	16 43 30.2
IS	43 56.2
FEB 12	
COL EP	16 57 49.0
FEB 12	
H-17 51 11.3	
43.6N 147.2E	
h ABOUT 033KM	
COL IP	17 58 54.8
HHM EP	18 01 44.0
BOZ EP	18 02 03.0
E	02 13.0
EUR IP	18 02 12.2
FEB 12	
FGU EP	18 01 54.7
IS	02 14.7

Date and Station	Phase (GCT)
	h m s
FEB 12	
COL EP	19 00 50.0
FEB 12	
COL EP	19 07 00.0
FEB 12	
COL EP	19 39 38.0
FEB 12	
TUC IP	19 41 22.8
IS	41 42.5
ALQ IP	19 41 55.0
FEB 12	
H-20 31 53.2	
03.5S 146.6E	
h ABOUT 033KM	
GUA E(P)	20 35 54.0
COL IP	20 44 16.8
EUR EP	20 45 27.7
HHM E(P)	20 45 32.0
BOZ EP	20 45 42.0
E(PP)	49 30.0
FGU E(P)	20 45 50.2
E	46 58.7
ALQ E(P)	20 46 14.0
EPP	50 27.0
KIP ES	20 50 16.0
EL	56 55.0
HON ES	20 50 24.0
EL	57 40.0
SJP EP'	20 51 25.0
I	51 35.4
BHP EP'	20 51 30.0
FEB 12	
H-21 08 00.2	
20.3S 175.7W	
h ABOUT 033KM	
COL EP	21 20 46.0
FEB 12	
BHP IP	21 38 25.0
IS	38 35.0
FEB 12	
SLC E(P)	21 55 18.2
EUR EP	21 55 30.5
FGU EP	21 55 49.7
FEB 12	
H-22 33 59.2	
15.3S 174.4W	
h ABOUT 033KM	
BCN EP	22 45 47.6
TUC EP	22 45 52.0

Date and Station	Phase (GCT)
	h m s
EUR EP	22 45 53.8
GCA EP	22 46 02.5
SLC E(P)	22 46 08.7
ALQ E(P)	22 46 12.0
COL IP	22 46 18.6
FGU IP	22 46 18.7
BUT E(P)	22 46 20.0
HHM EP	22 46 24.0
HON E	22 47 46.0
EL	50 56.0
FEB 12	
FGU IP	22 55 08.0
FEB 12	
SLC EP	23 02 38.0
FEB 12	
FGU IP	23 08 46.5
FEB 12	
FGU IP	23 10 38.0
FEB 12	
BCN EP	23 40 30.0
EL	41 02.0
FEB 13	
BCN IP	00 54 13.9
ES	54 26.9
FEB 13	
FGU E(P)	01 53 21.8
E(S)	53 49.1
FEB 13	
H-02 04 21.1	
24.9N 124.9E	
h ABOUT 094KM	
COL EP	02 15 03.0
HHM E(P)	02 17 12.0
EUR E(P)	02 17 38.7
FEB 13	
H-02 22 20.3	
08.8N 102.5W	
h ABOUT 033KM	
TUC EP	02 27 38.5
ALQ E(P)	02 27 56.0
BCN EP	02 28 22.3
FGU E(P)	02 28 38.8
E	28 52.6
EUR IP	02 28 54.8
HHM E(P)	02 29 55.0
COL EP	02 32 53.0

Date and Station	Phase (GCT)
	h m s
FEB 13	
H-02 30 09.2	
8.6N 102.6W	
h ABOUT 033KM	
TUC EP	02 35 27.0
ALQ E(P)	02 35 45.0
BCN EP	02 36 14.8
E	36 23.8
FGU E(P)	02 36 32.8
EUR IP	02 36 46.6
FEB 13	
TUC E(P)	02 33 28.0
FEB 13	
H-02 39 53.7	
7.9N 102.8W	
h ABOUT 033KM	
TUC EP	02 45 19.0
EUR FP	02 46 32.2
FEB 13	
FGU EP	02 49 32.3
FEB 13	
FGU EP	03 11 07.2
IS	11 39.9
FEB 13	
H-03 25 45.1	
3.5S 146.6E	
h ABOUT 033KM	
COL EP	03 38 09.0
FEB 13	
H-05 10 47.7	
34.9N 072.7E	
h ABOUT 070KM	
COL IP	05 22 26.4
FEB 13	
COL IP	06 36 28.0
FEB 13	
COL EP	08 30 10.0
FEB 13	
SJP IP D	08 34 10.7
IS	34 25.5
FEB 13	
SJP E(P)	08 40 15.5
EL	40 29.0
FEB 13	
SJP EP	08 41 04.5
EL	41 16.4
FEB 13	
SJP IP D	08 43 52.5
ES	44 08.0

Date and Station	Phase (GCT)
	h m s
FEB 13	
H-08 50 06.0	
18.3N 103.3W	
h ABOUT 078KM	
TUC EP	08 53 42.0
ALQ IP	08 53 59.0
FEB 13	
COL EP	09 19 59.0
FEB 13	
BCN E(P)	10 01 05.5
FEB 13	
H-10 03 50.6	
26.1N 100.9E	
h ABOUT 033KM	
COL IP	10 15 31.0
HHM E(P)	10 17 33.0
FEB 13	
H-11 21 46.7	
18.1S 056.8W	
h ABOUT 033KM	
ALQ IP	11 33 02.5
E	34 38.0
TUC IP C	11 33 09.3
EPP	35 39.0
RCD IP	11 33 27.0
GCA EP	11 33 29.6
FGU IP	11 33 34.5
BCN EP	11 33 38.0
SLC IP	11 33 43.2
EUR IP	11 33 53.4
BOZ EP	11 33 56.2
BUT IP	11 34 01.2
HHM EP	11 34 12.0
FEB 13	
COL EP	11 24 17.0
FEB 13	
H-11 42 16.5	
18.3S 173.8W	
h ABOUT 033KM	
COL IP	11 54 52.3
FEB 13	
H-13 53 31.1	
39.4N 072.7E	
h ABOUT 144KM	
COL IP	14 04 35.6
HHM EP	14 06 28.0
BOZ EP	14 06 39.0

Date and Station	Phase (GCT)
	h m s
FEB 13	
BCN EP	15 05 36.4
FEB 13	
COL IP	16 01 24.2
FEB 13	
BCN EP	16 21 08.9
ES	21 33.4
IL	21 41.8
EUR IP	16 21 19.3
FEB 13	
COL EP	16 28 00.0
FEB 13	
TUC IP	17 51 51.5
IS	52 11.5
FEB 13	
COL EP	18 08 01.0
FEB 13	
BOZ EP	18 11 07.4
IS	11 16.0
BUT E(P)	18 11 15.0
ES	11 34.0
HHM E(P)	18 11 55.0
ES	12 53.0
FEB 13	
COL EP	18 36 13.0
FEB 13	
TUC EP	18 55 53.0
F	56 44.0
FEB 13	
HHM E(P)	19 20 03.0
ES	20 40.5
FEB 13	
TUC E(P)	20 13 43.0
FEB 13	
TUC EP	21 53 25.0
FEB 13	
H-22 23 25.6	
51.8N 177.6W	
h ABOUT 033KM	
COL EP	22 28 00.0
BOZ IP	22 31 19.5
I	31 36.0
EUR IP	22 31 28.9
FEB 13	
BOZ EP	22 46 24.0
FEB 13	
RCD E(P)	23 25 21.0
FEB 13	
FGU EP	23 44 10.1
FEB 13	
FGU EP	23 55 46.6
ES	56 13.6

Date and Station	Phase (GCT)
	h m s
FEB 14	
GUA E(P)	00 04 51.2
FEB 14	
SJP EP	00 39 58.3
ES	40 12.0
FEB 14	
SJP EP	00 41 51.5
ES	42 07.5
FEB 14	
GUA IP	03 34 03.1
IS	34 17.5
FEB 14	
H-06 30 01.2	
49.5N 155.5E	
h ABOUT 040KM	
COL IP	06 36 34.4
ES	41 50.0
BOZ IP	06 39 57.0
EUR IP	06 40 09.0
FGU E(P)	06 40 28.3
RCD IP	06 40 36.0
ALQ EP	06 41 05.0
FEB 14	
H-06 56 02.3	
37.2N 141.7E	
h ABOUT 033KM	
COL EP	07 04 45.0
BOZ EP	07 07 38.0
EUR FP	07 07 46.0
FGU E(P)	07 08 03.3
ALQ IP	07 08 34.0
FEB 14	
H-07 37 26.3	
44.2N 146.9E	
h ABOUT 033KM	
COL EP	07 45 06.0
BOZ EP	07 48 16.5
FEB 14	
COL EP	08 08 27.0
FEB 14	
SJP IP C	08 47 26.4
ES	47 47.0
FEB 14	
BOZ EP	11 04 44.0
FEB 14	
FGU E(P)	11 13 54.9
ES	14 26.9

Date and Station	Phase (GCT)
	h m s
FEB 14	
H-12 07 22.1	
43.6N 126.0W	
h ABOUT 033KM	
EUR EP	12 09 27.5
HHM EP	12 09 40.0
BOZ EP	12 09 52.5
TUC E(P)	12 11 15.0
ALQ EP	12 11 23.0
FEB 14	
FGU E(P)	12 49 22.1
E(S)	49 53.4
FEB 14	
H-14 35 21.9	
19.8S 068.0W	
h ABOUT 279KM	
TUC EP	14 45 40.0
FGU EP	14 46 15.7
BOZ EP	14 46 41.0
FEB 14	
TUC E(P)	15 27 52.0
FEB 14	
COL EP	15 43 22.0
FEB 14	
H-15 51 12.1	
29.2N 054.5E	
h ABOUT 047KM	
COL EP	16 03 40.0
FEB 14	
GCA EP	16 17 21.0
FEB 14	
H-16 29 45.0	
5.1S 151.7E	
h ABOUT 055KM	
GUA IP	16 34 17.0
I	35 21.0
ES	38 07.5
HON EP	16 39 17.0
IS	47 02.0
EL	52 20.0
KIP IP	16 39 18.7
IS	47 05.0
EL	52 45.0
COL IP	16 42 01.5
UKI EP	16 42 38.1
EUR IP	16 43 02.8
BCN EP	16 43 07.2
E	44 12.2
EPP	46 56.7
HHM EP	16 43 10.1
SLC EP	16 43 16.4
BOZ EP	16 43 17.5
E(PP)	47 04.0
E(S)	54 04.0
E	17 05 28.0
E	11 00.0
E	15 00.0
TUC EP	16 43 23.5
FGU IP	16 43 27.0
ALQ IP	16 43 41.0
E	44 45.0
E	46 46.0
RCD IP	16 43 46.0
BHP IP'	16 48 49.0
SJP EP'	16 49 05.0
I	49 12.0
ESKP	52 50.5
FEB 14	
SLC E(P)	16 58 13.4
ES	58 39.2
BOZ E(P)	16 59 27.0
ALQ IP	16 59 59.5
FEB 14	
FGU IP	17 47 17.2
FEB 14	
EUR IP	18 53 47.4
FEB 14	
FGU E(P)	19 30 46.2
FEB 14	
EUR EP	20 19 39.2
FEB 14	
EUR IP	21 19 51.5
FEB 14	
FGU E(P)	21 43 36.6
E	44 19.1
FEB 14	
BCN IP	21 45 45.8
ES	45 54.8
FEB 14	
SLC EP	22 13 45.5
ES	14 12.5
EUR EP	22 14 05.3
FGU E(P)	22 14 16.6
I	14 18.4
FEB 14	
EUR IP	22 14 23.4
COL IP	22 15 29.8
FEB 14	
FGU IP C	22 36 04.6
IS	36 25.1
FEB 14	
SLC E(P)	23 08 13.5
FEB 14	
BCN E(P)	23 41 18.9
EL	41 48.9
FEB 15	
GUA EP	00 39 15.8
FEB 15	
COL EP	02 16 26.0
FEB 15	
FGU E(P)	05 07 16.8
FEB 15	
COL IP	07 02 10.9
FEB 15	
H-07 40 38.5	
14.1N 092.7W	
h ABOUT 076KM	
ALQ EP	07 45 50.0
TUC E(P)	07 45 53.0
FEB 15	
EUR EP	08 11 03.5
FEB 15	
BCN EP	09 36 00.1
E	36 18.1
E	36 29.6
FEB 15	
COL IP	09 55 19.9
FEB 15	
COL EP	10 19 29.0
FEB 15	
H-10 54 15.6	
03.1N 079.5W	
h ABOUT 033KM	
SJP EP	10 58 50.0
ALQ IP	11 01 55.0
I	02 03.0
TUC EP	11 02 01.6
FGU IP	11 02 41.4
FEB 15	
HHM E(P)	12 03 38.0
FEB 15	
EUR EP	12 46 21.2
FEB 15	
H-13 07 26.1	
52.7N 168.2W	
h ABOUT 050KM	
COL EP	13 11 08.0
EUR IP	13 14 39.3
BCN EP	13 15 02.3
EPP	15 19.3
FGU EP	13 15 04.2
TUC E(P)	13 15 19.0
RCD E(P)	13 15 34.0
ALQ EP	13 15 50.0
EPCP	17 20.0
FEB 15	
EUR EP	13 08 41.7
FEB 15	
SLC E(P)	13 26 58.2
FEB 15	
H-14 00 07.8	
19.7S 177.8W	
h ABOUT 332KM	
EUR EP	14 11 54.4
TUC EP	14 11 54.8
COL IP	14 12 17.4
FEB 15	
EUR IP	14 03 12.4
FEB 15	
HHM EP	14 14 06.1
FEB 15	
EUR IP	15 48 00.5
BCN IP C	15 48 00.6
E	48 27.4
EL	48 44.2
FEB 15	
ALQ EP	15 57 18.0
RCD IP	15 57 26.0
FEB 15	
BCN EP	16 01 36.4
FEB 15	
EUR IP	16 17 31.2
FEB 15	
EUR IP	16 31 21.6
FEB 15	
H-16 33 08.0	
4.8S 152.4E	
h ABOUT 071KM	
GUA EP	16 37 36.0
COL IP	16 45 20.0
BCN EP	16 46 25.7
FEB 15	
COL EP	16 58 56.0
FEB 15	
H-19 12 16.6	
22.8N 120.6E	
h ABOUT 017KM	
COL EP	19 23 31.0

Date and Station	Phase	(GCT)
		h m s
FEB 15		
EUR	IP	19 21 12.1
FEB 15		
BCN	E(P)	19 39 41.0
FEB 15		
ALQ	E(P)	21 00 06.0
FEB 15		
BCN	EP	21 10 15.2
COL	IP	21 10 31.0
FEB 15		
EUR	IP	21 15 49.2
FEB 15		
TUC	EP	21 57 52.0
	E	58 34.0
FEB 15		
H-22 01 58.4		
8.7S 157.1E		
h ABOUT 052KM		
COL	IP	22 14 22.0
EUR	IP	22 15 09.8
BCN	EP	22 15 11.8
FEB 15		
FGU	EP	22 04 36.6
FEB 15		
SLC	IP	22 33 36.3
	IS	33 43.3
FGU	IP	22 33 59.6
	IS	34 22.4
EUR	EP	22 34 29.4
FEB 15		
EUR	IP	22 50 57.4
FEB 15		
SLC	E(P)	23 10 40.8
FGU	IP	23 11 14.1
FEB 15		
TUC	EP	23 37 01.0
FEB 15		
BCN	EP	23 39 27.6
	EL	40 01.1
FEB 15		
HHM	E(P)	23 49 14.0
	ES	49 45.0
FEB 16		
H-00 17 15.7		
30.1N 051.2E		
h ABOUT 037KM		
COL	IP	00 29 45.6
FEB 16		
H-01 37 28.0		
13.9S 167.0E		
h ABOUT 107KM		
COL	EP	01 49 56.0
FEB 16		
H-01 47 54.3		
22.4S 067.6W		
h ABOUT 232KM		
ALQ	IP	01 58 31.0
FEB 16		
BCN	EP	02 16 23.2
FEB 16		
FGU	EP	04 12 02.9
FEB 16		
BOZ	EP	04 43 32.0
FEB 16		
H-05 03 13.5		
29.8N 138.7E		
h ABOUT 421KM		
COL	EP	05 12 14.0
FEB 16		
COL	EP	07 18 13.0
FEB 16		
COL	EP	08 07 32.0
FEB 16		
ALQ	IP	09 57 41.5
	I	58 11.0
FEB 16		
H-10 03 37.7		
07.6S 075.9W		
h ABOUT 031KM		
TUC	EP	10 12 44.8
FEB 16		
COL	IP	10 13 44.1
	PP	16 32.0
FEB 16		
TUC	EP	10 18 38.0
FEB 16		
H-10 46 24.7		
14.6N 092.4W		
h ABOUT 033KM		
ALQ	IP	10 51 38.0
TUC	EP	10 51 41.6
FGU	IP	10 52 33.3
FEB 16		
FGU	E(P)	11 22 56.5
	E(S)	23 27.3
FEB 16		
COL	EP	11 25 56.0
FEB 16		
H-12 36 20.5		
50.1N 157.0E		
h ABOUT 033KM		
COL	EP	12 42 43.0
FEB 16		
BCN	E(P)	16 21 35.1
	E	21 55.0
FEB 16		
COL	P	16 57 54.0
FEB 16		
H-17 47 28.7		
38.5S 074.8W		
h ABOUT 033KM		
ALQ	IP	17 59 30.0
	I	59 56.0
FEB 16		
TUC	EP	20 10 03.0
FEB 16		
SLC	EP	20 27 28.0
FGU	EP	20 27 59.4
	I	28 01.0
EUR	FP	20 28 16.2
FEB 16		
H-21 01 22.0		
44.0N 147.1E		
h ABOUT 080KM		
COL	IP	21 08 58.0
BOZ	EP	21 12 07.5
EUR	IP	21 12 16.8
ALQ	IP	21 13 08.0
FEB 16		
RCD	EP	21 04 01.0
FEB 16		
COL	EP	21 30 38.0
FEB 16		
H-21 34 32.3		
05.6S 152.0E		
h ABOUT 049KM		
GUA	IP	21 39 07.0
	E	39 15.4
COL	IP	21 46 52.4
EUR	IP	21 47 53.3
BCN	EP	21 47 56.6
	EPP	51 55.6
BOZ	E(P)	21 48 07.0
TUC	E(P)	21 48 15.0
FGU	F(P)	21 48 15.5
ALQ	EP	21 48 36.0
	EPP	52 35.0
SJP	EP'	21 54 00.0
	E	54 15.5
FEB 16		
ALQ	EP	21 38 53.0
FEB 16		
ALQ	EP	22 04 47.0
FEB 16		
HHM	EP	22 11 47.8
FEB 16		
SLC	E(P)	22 43 42.1
FEB 16		
HHM	EP	22 47 59.8
FEB 17		
GUA	EP	00 12 11.0
	ES	12 25.0
FEB 17		
EUR	EP	00 18 03.0
ALQ	EP	00 19 34.0
FEB 17		
TUC	EP	00 28 52.0
FEB 17		
GUA	EP	01 43 50.8
FEB 17		
GUA	EP	02 05 48.2
	ES	06 01.5
FEB 17		
GUA	IP	02 12 16.4
	ES	12 29.5
FEB 17		
H-05 50 41.8		
23.1N 120.6E		
h ABOUT 033KM		
COL	EP	06 01 50.0
HHM	EP	06 03 56.8
FEB 17		
TUC	E(P)	06 23 20.0
FEB 17		
RCD	EP	09 25 03.0
FEB 17		
GUA	EP	09 31 59.0
FEB 17		
H-09 27 59.2		
30.0S 072.4W		
h ABOUT 033KM		
TUC	EP	09 39 21.5
	E	40 43.0
ALQ	IP	09 39 24.0
FGU	IP	09 39 59.3
EUR	FP	09 40 09.0
HHM	EP	09 40 38.9
FEB 17		
COL	IP	10 08 08.3

Date and Station	Phase (GCT)
	h m s
FEB 17	
FGU IP C	10 54 39.9
IS	55 07.0
FEB 17	
H-12 19 02.9	
47.2N 008.5E	
h ABOUT 033KM	
COL EP	12 29 52.0
FEB 17	
HHM EP	12 30 07.0
FEB 17	
COL EP	15 00 58.6
FEB 17	
H-15 07 31.3	
38.9N 141.8E	
h ABOUT 072KM	
COL E(P)	15 16 11.0
FEB 17	
COL EP	15 35 45.0
FEB 17	
BOZ E(P)	15 44 00.0
EUR EP	15 44 17.3
RCD EP	15 45 27.0
FEB 17	
GCA I(P)	16 54 01.5
TUC EP	16 54 51.4
SLC E(P)	16 55 08.4
FEB 17	
SLC EP	16 59 05.9
FEB 17	
RCD EP	17 32 51.0
FEB 17	
BOZ E(P)	18 31 18.0
FEB 17	
SLC EP	18 46 35.4
FGU EP	18 46 35.8
EUR EP	18 46 54.5
FEB 17	
BCN I(P)	18 58 14.4
ES	58 49.4
EUR EP	18 58 51.7
TUC E(P)	18 58 54.0
FEB 17	
COL EP	19 04 33.0
FEB 17	
BCN EP D	19 30 25.1
ES	30 44.1
EUR EP	19 30 50.3

Date and Station	Phase (GCT)
	h m s
FEB 17	
BCN E(P)	19 36 29.0
IL	36 37.5
FEB 17	
TUC IP	20 55 45.6
I(S)	56 05.5
ALQ E(P)	20 56 17.0
I	57 07.0
FEB 17	
BCN IP	23 10 14.3
ES	10 25.5
FEB 17	
FGU E(P)	23 16 34.8
FEB 18	
H-00 37 07.0	
17.5N 121.3E	
h ABOUT 056KM	
COL EP	00 48 42.0
FEB 18	
H-01 31 21.8	
16.2S 166.4E	
h ABOUT 077KM	
COL EP	01 44 04.0
BCN E(P)	01 44 18.8
EUR EP	01 44 18.9
SJP EP'	01 50 24.0
FEB 18	
BCN IP D	01 40 42.6
FEB 18	
COL EP	01 52 32.0
FEB 18	
H-03 48 35.6	
27.5N 091.1E	
h ABOUT 030KM	
COL IP	04 00 29.3
FEB 18	
HHM EP	03 54 43.0
FEB 18	
HHM EP	03 58 14.1
FEB 18	
H-04 42 47.7	
15.5S 175.0W	
h ABOUT 289KM	
BCN IP D	04 54 08.3
E	58 28.6
EUR EP	04 54 14.4
TUC IP D	04 54 14.6
E	55 26.0
GCA IP	04 54 24.0
FGU IP	04 54 40.4

Date and Station	Phase (GCT)
	h m s
COL IP	04 54 40.6
BOZ EP	04 54 44.0
E(PP)	58 24.9
FEB 18	
ALQ IP	04 44 38.0
FEB 18	
H-04 45 42.0	
14.2N 146.5E	
h ABOUT 078KM	
GUA IP	04 46 10.0
EUR IP	04 58 19.4
BUT EP	04 58 19.9
SLC EP	04 58 31.5
FGU EP	04 58 39.9
TUC EP	04 58 49.6
FEB 18	
BUT E(P)	05 05 40.0
FEB 18	
COL IP	06 17 19.7
FEB 18	
H-06 39 39.3	
44.2N 149.7E	
h ABOUT 033KM	
BOZ E(P)	06 50 19.0
EUR EP	06 50 28.3
FEB 18	
FGU E(P)	06 57 11.7
ES	57 51.9
FEB 18	
HHM E(P)	07 11 50.0
FEB 18	
HHM EP	07 47 53.1
FEB 18	
H-08 01 49.2	
38.8N 028.5W	
h ABOUT 033KM	
BOZ EP	08 11 49.5
BCN EP	08 12 36.2
FEB 18	
H-08 43 21.3	
11.1N 102.2W	
h ABOUT 033KM	
TUC EP	08 48 20.0
BCN E(P)	08 49 31.8
FEB 18	
GUA EP	09 03 54.5
F	04 02.5

Date and Station	Phase (GCT)
	h m s
FEB 18	
H-09 07 30.1	
09.2N 103.0W	
h ABOUT 033KM	
TUC EP	09 12 44.5
BOZ E(P)	09 14 39.0
FEB 18	
H-09 11 52.1	
15.4S 175.1W	
h ABOUT 287KM	
BCN E(P)	09 23 12.7
FEB 18	
CSC E(P)	09 22 11.0
FEB 18	
H-09 31 10.5	
34.8N 085.5W	
h ABOUT 015KM	
CSC E(P)	09 32 11.0
I(S)	33 02.0
FEB 18	
RCD E(P)	09 37 56.0
I	40 05.0
ALQ EP	09 39 02.0
I	40 18.0
FEB 18	
BOZ E(P)	09 42 46.0
FEB 18	
HHM EP	09 48 33.1
FEB 18	
BCN EP	09 59 54.6
FEB 18	
H-10 35 20.1	
10.3S 161.2E	
h ABOUT 073KM	
COL IP	10 47 42.6
EUR IP	10 48 18.5
BCN EP	10 48 19.1
F>P	48 40.1
TUC FP	10 48 31.0
BOZ EP	10 48 37.2
ALQ IP	10 48 49.0
FEB 18	
HHM EP	11 29 22.2
FEB 18	
FGU E(P)	11 34 04.9
FEB 18	
GUA E(P)	11 38 10.5
FEB 18	
H-12 19 20.6	
38.8N 028.4W	
h ABOUT 033KM	

Date and Station	Phase	Phase (GCT) h m s
BOZ	EP	12 29 20.6
ALQ	E(P)	12 29 32.0
EUR	EP	12 30 00.0
TUC	EP	12 30 01.5
BCN	E(P)	12 30 07.4
FEB 18		
BOZ	E(P)	12 45 45.0
EUR	EP	12 46 08.3
FGU	EP	12 46 10.4
BCN	E(P)	12 46 18.4
ALQ	E(P)	12 46 24.0
FEB 18		
BOZ	EP	12 59 30.5
FEB 18		
H-13 54 14.9		
58.7N 152.2W		
h ABOUT 033KM		
COL	IP	13 55 51.0
BOZ	E(P)	14 00 12.0
FEB 18		
SJP	EP	14 35 59.0
FEB 18		
HHM	EP	14 40 06.2
	E	43 31.2
FEB 18		
BUT	E(P)	15 40 04.0
	E	42 34.6
FEB 18		
ALQ	EP	15 44 12.0
RCD	E(P)	15 44 18.0
FEB 18		
EUR	EP	15 47 20.0
FEB 18		
RCD	E(P)	16 29 13.0
FEB 18		
H-17 08 10.2		
36.3N 070.7E		
h ABOUT 223KM		
COL	IP	17 19 26.9
FEB 18		
CSC	E(P)	19 06 37.0
FEB 18		
H-19 09 35.1		
23.5S 179.2W		
h ABOUT 361KM		
TUC	EP	19 21 35.5
FEB 18		
EUR	EP	20 11 35.2
FEB 18		
SJP	IP D	20 34 02.2
	E*P	34 16.0
	I*P	34 26.2
FEB 18		
SJP	EP	20 58 09.5
FEB 18		
HHM	EP	21 54 05.2
FEB 18		
SLC	EP	21 59 54.0
FEB 18		
FGU	IP	22 37 14.5
FEB 18		
H-22 43 52.5		
45.0N 150.6E		
h ABOUT 040KM		
COL	IP	22 51 15.0
BOZ	EP	22 54 25.1
	*P	54 36.0
EUR	IP	22 54 34.4
FEB 18		
H-22 45 35.1		
14.2S 174.9W		
h ABOUT 033KM		
COL	EP	22 57 55.0
FEB 18		
SLC	E(P)	22 54 22.8
FEB 18		
BCN	E(P)	23 10 05.7
	ES	10 18.2
FEB 18		
BCN	EP	23 51 19.2
	ES	51 47.7
FEB 19		
RCD	EP	00 27 06.0
FEB 19		
H-00 34 14.5		
38.9N 028.5W		
h ABOUT 033KM		
HHM	E(P)	00 44 25.0
EUR	EP	00 44 54.2
BCN	EP	00 45 01.0
FEB 19		
BOZ	IP	02 23 49.9
	IL	23 54.0
HHM	E(P)	02 24 40.0
FEB 19		
BUT	EP	02 24 56.0
	ES	25 05.9
FEB 19		
H-03 04 42.3		
46.0N 152.0E		
h ABOUT 033KM		
COL	P	03 11 53.0
EUR	EP	03 15 17.4
FEB 19		
EUR	IP	05 10 04.5
FEB 19		
H-06 33 36.5		
38.9N 028.6W		
h ABOUT 033KM		
BOZ	EP	06 43 36.1
HHM	E(P)	06 43 37.0
EUR	EP	06 44 15.7
FEB 19		
COL	IP	07 50 15.7
FEB 19		
COL	IP	08 10 14.4
FEB 19		
H-09 15 29.4		
09.6S 107.3E		
h ABOUT 048KM		
HHM	EP'	09 34 34.6
BOZ	EP'	09 34 39.0
EUR	EP'	09 34 39.4
ALQ	EP'	09 34 51.0
FEB 19		
BOZ	E(P)	09 30 24.0
FEB 19		
BOZ	EP	09 47 54.0
FEB 19		
H-09 58 41.0		
25.3S 179.2E		
h ABOUT 600KM		
TUC	EP	10 10 30.0
FEB 19		
COL	EP	10 08 22.0
FEB 19		
COL	IP	11 56 29.7
FEB 19		
BUT	IP	13 37 45.0
FEB 19		
BOZ	EP	14 23 50.0
	E	24 23.0
FEB 19		
BHP	IP	15 25 36.0
FEB 19		
H-15 25 58.9		
21.4S 070.7W		
h ABOUT 080KM		
SJP	EP	15 33 22.0
	ES	33 35.0
TUC	IP D	15 36 37.4
BCN	EP	15 37 09.3
	E*P	37 23.1
FGU	IP	15 37 14.8
SLC	EP	15 37 21.0
EUR	IP	15 37 27.6
COL	EP	15 39 53.0
FEB 19		
COL	EP	16 32 08.0
FEB 19		
BCN	EP	16 33 26.5
	ES	33 37.5
FEB 19		
EUR	IP	17 34 15.7
FEB 19		
FGU	EP	18 05 41.3
	IS	06 01.3
FEB 19		
SJP	IP	18 27 48.4
	ES	27 59.0
FEB 19		
COL	EP	20 24 40.0
FEB 19		
RCD	E(P)	20 30 42.0
FEB 19		
SLC	EP	20 55 35.1
FGU	E(P)	20 56 08.0
FEB 19		
H-21 27 53.9		
08.2S 108.3W		
h ABOUT 033KM		
RCD	E(P)	21 37 07.0
COL	EP	21 39 53.0
FEB 19		
COL	EP	21 44 35.0
FEB 19		
TUC	IP	21 52 51.0
	F	53 12.0
FEB 19		
BHP	IP	22 36 41.0
TUC	IP	22 38 23.0
	E	38 46.0

Date and Station	Phase (GCT)
	h m s
FEB 19	
FGU IP	22 58 48.5
IS	59 06.5
FEB 19	
H-23 49 45.2	
18.7S 169.2E	
h ABOUT 207KM	
COL IP	24 02 17.7
BCN EP	24 02 23.2
TUC EP	24 02 30.8
FEB 20	
H-02 30 21.5	
58.4N 154.8W	
h ABOUT 079KM	
COL IP	02 32 07.8
HHM EP	02 35 47.7
E	36 08.2
FEB 20	
COL EP	02 35 46.0
TUC E(P)	02 43 06.0
FEB 20	
H-02 47 14.9	
51.7N 175.6E	
h ABOUT 033KM	
COL EP	02 52 18.0
BOZ E(P)	02 55 38.0
TUC EP	02 56 48.0
FEB 20	
TUC EP	03 12 53.6
FEB 20	
H-03 26 58.0	
51.5N 175.8E	
h ABOUT 033KM	
COL EP	03 32 02.0
HHM E(P)	03 35 00.0
BOZ EP	03 35 22.5
TUC IP	03 36 32.0
FEB 20	
H-03 29 36.1	
44.4N 114.7W	
h ABOUT 030KM	
BUT EP	03 30 14.3
ES	30 41.3
BOZ EP	03 30 15.0
IL	30 51.0
HHM E(P)	03 30 36.0
EL	31 44.0
FEB 20	
RCD E(P)	03 33 32.0

Date and Station	Phase (GCT)
	h m s
FEB 20	
COL EP	03 35 45.0
BOZ E(P)	03 39 07.0
TUC EP	03 40 16.4
FEB 20	
H-03 51 40.2	
51.5N 175.8E	
h ABOUT 033KM	
COL EP	03 56 45.0
BOZ EP	04 00 06.0
TUC EP	04 01 14.0
FEB 20	
BHP IP	06 31 27.0
IS	32 10.0
FEB 20	
H-07 22 24.7	
9.5S 074.6W	
h ABOUT 102KM	
FGU IP	07 32 19.7
BOZ EP	07 32 49.9
COL IP	07 35 21.0
FEB 20	
BCN IP D	07 56 49.9
FEB 20	
H-08 35 36.2	
46.6N 152.5E	
h ABOUT 050KM	
COL IP	08 42 38.6
HHM EP	08 45 34.5
BOZ EP	08 45 54.0
pP	46 09.0
RCD IP	08 46 31.5
IpP	46 46.5
E	47 19.0
TUC EP	08 46 53.0
EpP	47 08.5
FEB 20	
COL IP	08 39 02.6
FEB 20	
H-09 06 59.0	
17.7S 178.8W	
h ABOUT 604KM	
TUC EP	09 18 18.0
FEB 20	
H-09 53 51.1	
44.6N 150.0E	
h ABOUT 050KM	
COL IP	10 01 15.1
KIP EP	10 02 31.0

Date and Station	Phase (GCT)
	h m s
HHM IP	10 04 07.2
IpP	04 18.7
BUT E(P)	10 04 14.0
BOZ IP	10 04 26.1
pP	04 37.0
SLC EP	10 04 46.7
BCN EP	10 04 53.7
EpP	05 05.2
EsP	05 11.2
FGU EP	10 04 54.0
GCA E(P)	10 04 54.9
IpP	05 13.9
RCD IP	10 05 02.5
EpP	05 15.0
TUC EP	10 05 23.2
FEB 20	
H-09 54 12.5	
09.5N 084.6W	
h ABOUT 033KM	
BHP IP	09 55 27.0
TUC EP	10 00 48.6
FEB 20	
H-10 57 43.6	
14.1S 076.0W	
h ABOUT 067KM	
TUC E(P)	11 07 24.0
FEB 20	
COL EP	11 39 11.0
FEB 20	
H-12 03 18.7	
14.5N 093.0W	
h ABOUT 049KM	
BHP EP	12 06 34.0
TUC EP	12 08 30.8
FGU EP	12 09 25.3
BOZ EP	12 10 07.0
COL EP	12 13 42.0
FEB 20	
TUC E(P)	12 13 23.0
FEB 20	
COL EP	13 21 16.0
FEB 20	
H-15 30 00.1	
37.2N 116.0W	
h ABOUT 000KM	
BCN IP C	15 30 28.2
SLC IP	15 31 17.3
I	31 32.8

Date and Station	Phase (GCT)
	h m s
UKI E(P)	15 31 36.3
TUC IP	15 31 37.0
FGU IP	15 31 39.3
ALQ IP	15 31 59.0
E	32 18.0
I	32 29.0
BOZ EP	15 32 16.5
IL	34 51.0
BUT EP	15 32 17.5
EL	34 54.5
HHM EP	15 32 46.2
E	36 57.3
RCD IP	15 32 55.0
COL IP	15 36 42.2
FEB 20	
BCN E(P)	16 44 36.0
FEB 20	
BCN I(P)	16 47 38.0
FEB 20	
H-16 48 08.5	
37.2N 116.0W	
h ABOUT 000KM	
BCN IP D	16 48 36.0
GCA I(P)	16 49 14.4
TUC E(P)	16 49 47.0
SLC E(P)	16 49 41.8
FGU IP	16 49 47.4
BUT E(P)	16 50 24.0
BOZ E(P)	16 50 27.0
HHM E(P)	16 50 57.0
FEB 20	
COL EP	17 34 31.0
FEB 20	
H-18 22 15.5	
17.2S 179.0W	
h ABOUT 585KM	
COL EP	18 33 51.0
FEB 20	
SLC IP	18 52 31.8
IS	52 53.3
FGU EP	18 53 02.9
EUR EP	18 53 21.8
FEB 20	
GCA E(P)	19 07 46.4
FEB 20	
FGU EP	19 16 08.9

Date and Station	Phase	(GCT)
		h m s
FEB 20		
EUR EP		19 28 43.4
FEB 20		
EUR EP		19 55 37.8
FEB 20		
H-20 19 48.9		
39.4N 114.2W		
h ABOUT 014KM		
EUR IP		20 20 13.1
SLC E(P)		20 20 32.4
GCA IP		20 20 39.1
	IS	21 17.6
BCN E(P)		20 20 44.7
	IS	21 25.2
FGU EP		20 20 51.9
FEB 20		
COL EP		20 27 44.0
FEB 20		
TUC EP		21 35 23.0
COL EP		21 35 38.0
SLC E(P)		21 35 40.1
FGU E(P)		21 35 42.9
BOZ EP		21 35 50.0
FEB 20		
FGU EP		21 38 02.4
	IS	38 35.4
FEB 20		
BCN E(P)		22 21 52.0
	EL	22 49.0
FEB 20		
EUR IP		22 29 31.8
COL EP		22 32 37.0
FEB 20		
SLC E(P)		23 05 45.4
FEB 20		
SLC EP		23 08 43.4
	IS	09 12.2
FEB 20		
COL EP		23 35 56.0
FEB 20		
H-23 40 05.9		
31.5S 070.0W		
h ABOUT 078KM		
ALQ E(P)		23 51 38.0
	F	57 36.0
FEB 20		
TUC EP		23 56 03.5
EUR EP		23 57 26.5

Date and Station	Phase	(GCT)
		h m s
FEB 21		
H-00 05 40.4		
30.4N 142.9E		
h ABOUT 033KM		
HHM EP		00 17 26.4
EUR EP		00 17 43.1
FGU E(P)		00 17 57.1
FEB 21		
ALQ E(P)		00 41 38.0
FEB 21		
H-01 04 00.6		
34.4N 058.1E		
h ABOUT 033KM		
COL IP		01 16 03.4
FEB 21		
GUA EP		01 27 02.0
FEB 21		
H-03 01 38.1		
31.4N 114.1W		
h ABOUT 014KM		
TUC EP		03 02 25.0
BCN EP		03 02 50.0
	E	03 57.0
	EL	04 16.0
GCA EP		03 03 09.0
	I	03 19.0
EUR EP		03 03 38.3
ALQ E(P)		03 03 42.0
	I	04 07.0
FGU E(P)		03 04 11.8
RCD E(P)		03 05 27.0
FEB 21		
EUR IP		03 06 09.3
SLC E(P)		03 06 46.2
FEB 21		
H-03 15 07.9		
15.0N 092.8W		
h ABOUT 033KM		
ALQ E(P)		03 20 16.0
FGU E(P)		03 21 12.8
FEB 21		
EUR IP		03 18 59.3
FEB 21		
RCD E(P)		03 40 07.0
FEB 21		
H-07 40 17.3		
45.1N 149.9E		
h ABOUT 033KM		
COL EP		07 47 40.0

Date and Station	Phase	(GCT)
		h m s
FEB 21		
HON EP		08 32 15.0
	ES	32 38.0
KIP IP		08 32 15.2
	IS	32 38.0
FEB 21		
BCN E(P)		08 33 00.0
	EL	33 16.5
EUR EP		08 33 23.5
FEB 21		
H-12 18 42.5		
42.9N 151.4E		
h ABOUT 033KM		
BOZ EP		12 29 21.6
FEB 21		
H-13 51 47.4		
06.8S 080.9W		
h ABOUT 033KM		
ALQ IP		14 00 25.0
TUC EP		14 00 25.0
BCN E(P)		14 01 04.1
FGU IP		14 01 11.7
EUR EP		14 01 26.1
BOZ EP		14 01 49.2
	E	02 09.0
FEB 21		
EUR IP		14 50 44.9
FEB 21		
EUR EP		14 57 18.5
FEB 21		
COL EP		15 05 05.0
FEB 21		
RCD E(P)		15 35 37.0
FEB 21		
HHM EP		16 12 54.4
FEB 21		
BOZ E(P)		17 13 27.0
FEB 21		
H-17 14 45.4		
38.3N 028.7W		
h ABOUT 033KM		
BOZ EP		17 24 47.0
HHM EP		17 24 49.0
TUC EP		17 25 26.2
EUR IP		17 25 26.8
BCN EP		17 25 34.4
COL EP		17 25 36.0

Date and Station	Phase	(GCT)
		h m s
FEB 21		
BHP IP		18 31 10.0
	ISFT	31 25.0
FEB 21		
COL IP		19 20 24.0
FEB 21		
TUC IP		20 00 39.8
	I(S)	00 58.6
FEB 21		
GUA EP		20 12 47.0
	ES	13 06.7
FEB 21		
BOZ EP		20 14 39.0
	E	14 59.0
FEB 21		
FGU EP		20 16 32.7
	ES	16 52.2
FEB 21		
CSC EP		20 44 20.0
FEB 21		
BOZ EP		21 30 52.5
FEB 21		
H-21 52 12.4		
07.7S 079.5W		
h ABOUT 036KM		
BOZ E(P)		22 02 19.0
FEB 21		
TUC IP		21 59 21.2
	I(S)	59 39.0
FEB 21		
FGU IP C		21 59 44.8
	IS	59 56.6
FEB 21		
GCA IP		22 12 14.3
	IS	12 32.2
FEB 21		
CSC E(P)		22 18 42.0
FEB 21		
SLC EP		22 23 20.9
FGU EP		22 23 51.1
EUR EP		22 24 11.1
FEB 21		
CSC E(P)		22 53 19.0
ALQ E(P)		22 56 46.0
FEB 21		
BOZ EP		23 24 46.0
FEB 21		
FGU E(P)		23 46 01.6
FEB 22		
EUR EP		00 12 56.0

Date and Station	Phase (GCT)
	h m s
FEB 22	
BOZ IP	00 17 03.5
pP	17 16.0
FEB 22	
FGU EP	01 34 29.8
ES	35 04.5
FEB 22	
H-01 47 32.1	
36.9S 176.9E	
h ABOUT 203KM	
BCN E(P)	02 00 30.7
E	00 38.3
TUC EP	02 00 39.2
FEB 22	
COL EP	03 23 12.0
FUR EP	03 23 49.2
FEB 22	
H-03 31 25.9	
37.1N 116.5W	
h ABOUT 033KM	
BCN EP	03 31 54.0
ES	32 14.0
FUR EP	03 32 03.4
FEB 22	
TUC E(P)	04 50 21.0
FEB 22	
BCN E(P)	05 28 53.7
EL	29 27.4
FEB 22	
H-05 58 32.3	
63.5N 130.7W	
h ABOUT 033KM	
COL IP	06 00 23.4
FUR EP	06 03 57.7
FEB 22	
BOZ EP	06 03 46.0
FEB 22	
ALQ E(P)	08 30 30.0
BOZ EP	08 30 39.0
FEB 22	
H-08 50 35.0	
30.1S 177.3W	
h ABOUT 033KM	
BCN EP	09 03 25.1
E	03 40.1
E	03 48.5
F	04 02.6
TUC IP	09 03 27.2
FUR IP	09 03 31.6
ALQ IP	09 03 47.0
BOZ EP	09 04 00.0
COL IP	09 04 04.3
FEB 22	
COL IP	09 40 04.3
FEB 22	
SJP IP	09 51 30.0
ES	51 44.0
FEB 22	
BCN E(P)	09 56 04.0
EL	56 15.0
FEB 22	
COL EP	12 00 30.0
FEB 22	
GUA IP	12 13 31.9
FEB 22	
BOZ EP	12 26 11.0
FUR FP	12 26 18.3
FEB 22	
BCN IP C	12 44 44.9
IS	45 03.2
EUR EP	12 45 05.2
FEB 22	
COL EP	12 48 29.0
FEB 22	
COL IP	13 16 53.5
FEB 22	
ALQ IP	15 47 18.0
FEB 22	
BCN IP D	16 01 26.2
FEB 22	
H-16 04 35.6	
30.1N 138.8E	
h ABOUT 411KM	
GUA EP	16 08 15.3
COL IP	16 13 35.1
HHM IP	16 15 51.4
BUT IP	16 16 04.0
BOZ EP	16 16 08.0
EpP	17 40.0
FGU IP	16 16 29.0
FEB 22	
ALQ IP	16 31 55.0
COL IP	16 38 05.2
FEB 22	
UKI E(P)	17 43 55.1
FEB 22	
H-17 50 56.2	
48.5N 154.9E	
h ABOUT 060KM	
COL IP	17 57 36.1
HHM EP	18 00 33.6
UKI EP	18 00 39.0
BUT E(P)	18 00 49.0
BOZ IP	18 00 57.0
IpP	01 10.0
EUR IP	18 01 07.8
SLC EP	18 01 18.6
FGU IP	18 01 27.0
BCN IP D	18 01 28.3
IpP	01 43.1
RCD IP	18 01 35.5
TUC IP	18 01 59.0
IpP	02 14.0
KIP ET	18 48 39.0
FEB 22	
ALQ IP	18 17 03.5
E	17 19.0
FEB 22	
SLC E(P)	18 59 15.1
E	59 20.1
FUR EP	19 00 08.0
FEB 22	
COL FP	19 21 17.0
FEB 22	
BOZ IP	19 34 26.0
FEB 22	
BCN EP	21 02 26.6
ES	02 42.4
FUR EP	21 02 51.2
FEB 22	
H-21 16 27.5	
24.1N 123.2E	
h ABOUT 048KM	
COL IP	21 27 23.3
HHM EP	21 29 32.7
EPP	33 09.0
E	33 47.0
BOZ FP	21 29 44.8
EUR FP	21 29 52.5
FEB 22	
TUC IP D	22 00 02.2
E	00 22.0
FEB 22	
FUR IP	22 28 48.0
FEB 22	
TUC EP	23 03 44.4
ALQ EP	23 04 05.0
EUR EP	23 04 32.5
FEB 22	
SJP IP	23 06 41.5
FS	06 54.5
FEB 22	
SLC FP	23 06 07.6
FGU EP	23 06 38.0
FEB 22	
SLC EP	23 08 35.6
ES	09 03.1
FEB 23	
H-00 06 59.0	
48.6N 154.7E	
h ABOUT 033KM	
COL IP	00 13 42.0
EUR IP	00 17 14.2
FGU FP	00 17 32.5
BCN EP	00 17 34.4
E	17 48.2
RCD IP	00 17 41.5
TUC IP	00 18 05.0
E	18 19.0
FEB 23	
GCA FP	00 20 30.5
FEB 23	
SJP EP	01 22 29.5
EL	23 03.2
FEB 23	
SLC FP	01 47 12.6
FGU F(P)	01 47 45.5
EUR EP	01 48 01.6
FEB 23	
COL FP	02 09 11.0
FEB 23	
TUC IP	03 00 38.6
FEB 23	
COL IP	05 50 02.6
FEB 23	
BOZ E(P)	07 15 29.0
FGU F(P)	07 15 35.4
F(S)	16 03.4
FEB 23	
H-07 39 42.8	
59.9N 150.0E	
h ABOUT 033KM	
FUR FP	07 49 38.6
FGU E(P)	07 49 53.4

Date and Station	Phase (GCT)
	h m s
FEB 23	
H-10 23 12.7	
54.7N 159.8E	
h ABOUT 033KM	
EUR EP	10 32 50.2
FEB 23	
FGU E(P)	11 29 21.9
FS	29 52.4
FEB 23	
FGU E(P)	11 52 22.2
FEB 23	
H-12 26 40.4	
15.4S 173.8W	
h ABOUT 096KM	
TUC IP	12 38 23.6
ALQ IP	12 38 48.0
FGU IP	12 38 50.4
COL IP	12 38 53.9
BOZ EP	12 38 55.9
FEB 23	
COL IP	13 04 22.0
FEB 23	
BOZ EP	13 16 27.9
FLG	17 01.0
FGU E(P)	13 16 33.4
IS	17 06.4
FEB 23	
RCD EP	14 40 56.0
TUC E(P)	14 43 01.0
FEB 23	
BOZ EP	14 48 11.0
EL	48 45.0
EUR EP	14 48 49.3
FEB 23	
FGU E(P)	15 17 21.7
ES	17 52.7
FEB 23	
GCA EP	15 24 13.1
E(S)	24 33.6
FEB 23	
COL EP	15 28 52.0
FEB 23	
COL IP	15 33 13.5
FEB 23	
BOZ EP	15 46 18.5
E(S)	46 44.0
FGU EP	15 46 23.4
ES	46 56.1
FEB 23	
BOZ EP	15 50 22.0
E(S)	50 49.0

Date and Station	Phase (GCT)
	h m s
FGU E(P)	15 50 26.9
E(S)	50 59.9
FEB 23	
H-15 53 41.1	
34.8S 068.9W	
h ABOUT 156KM	
FGU IP	16 05 55.9
EUR EP	16 06 04.6
BOZ EP	16 06 19.0
FEB 23	
FGU E(P)	16 01 06.4
E(S)	01 39.9
FEB 23	
FGU E(P)	16 08 48.7
ES	09 21.9
FEB 23	
FGU E(P)	16 39 20.9
ES	39 53.4
FEB 23	
BOZ EP	17 51 17.0
E(S)	51 46.0
FGU E(P)	17 51 27.1
E(S)	51 55.9
FEB 23	
COL IP	17 57 36.1
FEB 23	
BHP IP	17 59 29.0
IS	59 45.0
FEB 23	
SJP IP D	18 47 02.7
E	47 18.0
FEB 23	
COL EP	18 56 09.0
FEB 23	
TUC IP	21 56 45.0
I(S)	57 03.0
FEB 23	
SLC EP	22 12 07.7
FGU E(P)	22 12 38.8
I	12 40.5
FEB 23	
H-22 41 06.3	
39.2N 023.7E	
h ABOUT 033KM	
COL EP	22 52 52.0
RCD EP	22 53 38.0
IPP	53 48.5
HHM EP	22 53 40.7
BUT E(P)	22 53 48.0
BOZ EP	22 53 49.0
FGU E(P)	22 54 02.0

Date and Station	Phase (GCT)
	h m s
FEB 23	
COL EP	22 45 07.0
FEB 23	
COL EP	22 57 42.0
FEB 23	
H-23 09 05.3	
00.9N 085.2W	
h ABOUT 033KM	
BHP EP	23 11 26.0
ALQ E(P)	23 16 34.0
FGU E(P)	23 17 23.5
FEB 24	
BUT EP	00 18 31.0
ES	18 57.0
BOZ EP	00 18 33.9
I	19 05.0
FEB 24	
FGU E(P)	00 24 32.5
FEB 24	
BOZ E(P)	00 32 55.0
E(S)	33 55.0
FEB 24	
COL EP	03 28 53.0
FEB 24	
GUA EP	04 21 35.0
FEB 24	
H-05 02 13.5	
24.8S 179.7W	
h ABOUT 290KM	
TUC IP	05 14 27.0
FEB 24	
GUA E(P)	07 24 46.0
FEB 24	
H-09 52 18.7	
07.3S 067.8E	
h ABOUT 033KM	
RCD EP'	10 11 46.0
FGU IP'	10 11 58.8
SLC EP'	10 11 59.4
UKI EP'	10 12 00.0
ALQ IP'	10 12 07.5
ESKP	15 46.0
BCN EP'	10 12 12.1
TUC EP'	10 12 19.0
FEB 24	
HHM E(P)	10 14 32.0
FEB 24	
H-10 53 51.7	
35.8N 116.6W	
h ABOUT 014KM	

Date and Station	Phase (GCT)
	h m s
BCN IP C	10 54 18.2
IS	54 38.6
GCA E(P)	10 55 08.8
TUC E(P)	10 55 22.0
EL	56 57.0
FEB 24	
ALQ EP	10 56 27.0
E	58 13.0
FEB 24	
FGU E(P)	10 58 52.8
FEB 24	
H-11 32 13.5	
39.3N 040.1E	
h ABOUT 033KM	
COL EP	11 43 59.0
FEB 24	
ALQ EP	11 32 46.0
RCD EP	11 32 50.0
I	32 56.5
TUC EP	11 32 50.6
HHM EP	11 33 37.7
FEB 24	
COL EP	13 24 29.0
FEB 24	
H-14 51 46.2	
15.5S 174.0W	
h ABOUT 087KM	
TUC E(P)	15 03 31.5
E(sP)	04 04.0
FGU E(P)	15 03 59.0
COL IP	15 04 00.0
BOZ EP	15 04 06.0
FEB 24	
TUC E(P)	15 44 26.0
FEB 24	
BCN E(P)	15 46 55.3
F	47 16.0
FEB 24	
TUC E(P)	16 05 05.0
FEB 24	
EUR IP	16 43 58.8
FEB 24	
COL IP	17 52 49.8
FEB 24	
EUR IP	18 40 42.8
FEB 24	
COL EP	18 57 32.0
FEB 24	
EUR EP	19 51 31.7

Date and Station	Phase (GCT)
	h m s
FEB 24	
H-19 59 33.7	
19.2S 169.4E	
h ABOUT 244KM	
COL IP	20 12 03.9
BCN EP	20 12 08.1
EUR IP	20 12 10.3
TUC EP	20 12 15.5
FEB 24	
H-20 56 44.5	
30.4N 137.1E	
h ABOUT 504KM	
GUA EP	21 00 27.0
FEB 24	
COL IP	21 19 27.1
FEB 24	
SLC E(P)	21 59 06.2
FEB 24	
FGU IP	21 59 46.1
FEB 24	
FUR EP	22 12 53.2
FEB 24	
FUR IP	22 20 56.1
FEB 24	
GUA EP	22 30 12.5
I	30 32.8
FEB 24	
FGU IP D	23 37 10.1
IS	37 33.1
FEB 24	
ALQ EP	23 50 55.0
FGU EP	23 51 08.8
TUC E(P)	23 51 23.5
FEB 25	
FUR EP	00 19 05.0
FEB 25	
H-00 34 32.0	
44.7S 037.5E	
h ABOUT 033KM	
ALQ IP'	00 54 16.5
ESKP	58 00.0
RCD EP'	00 54 17.0
I	54 25.0
BOZ EP'	00 54 18.0
E	54 59.0
TUC EP'D	00 54 18.8
ESKP	58 05.4
SLC EP'	00 54 22.2
FGU EP'	00 54 23.2
HHM EP'	00 54 25.7
E	55 08.7
BCN EP'	00 54 26.5
EUR IP'	00 54 28.3
FEB 25	
CSC E(P)	01 15 06.0
FEB 25	
ALQ EP	01 26 57.0
FEB 25	
BOZ EP	02 48 58.0
FEB 25	
FGU EP	02 51 31.2
FEB 25	
EUR EP	03 01 04.2
FEB 25	
TUC E(P)	03 03 16.0
E(L)	04 55.0
FEB 25	
H-03 08 23.8	
49.7S 112.1E	
h ABOUT 033KM	
FUR EP'	03 28 02.2
ALQ IP'	03 28 11.0
HHM EP'	03 28 16.7
BOZ EP'	03 28 17.9
FEB 25	
TUC E(P)	03 30 29.0
FEB 25	
H-04 04 29.0	
32.1N 137.7E	
h ABOUT 374KM	
COL IP	04 13 22.6
HHM EP	04 15 44.5
BOZ EP	04 16 01.9
E(pP)	17 18.0
FUR IP	04 16 06.5
FGU I(P)	04 16 32.7
FEB 25	
TUC E(P)	04 19 16.0
FEB 25	
RCD EP	04 41 21.0
FEB 25	
EUR EP	05 14 28.3
FEB 25	
COL EP	06 22 42.0
FEB 25	
COL EP	06 31 45.0
FEB 25	
BOZ EP	06 45 26.0
FEB 25	
H-08 13 13.8	
21.8S 115.8W	
h ABOUT 033KM	
EUR EP	08 23 27.2
FEB 25	
EUR EP	08 56 05.2
FEB 25	
RCD E(P)	09 04 19.0
FEB 25	
BHP IP	09 18 57.0
IS	19 39.0
FEB 25	
H-09 44 35.6	
22.2S 062.6W	
h ABOUT 470KM	
EUR EP	09 55 52.8
FEB 25	
BOZ E(P)	09 50 04.0
FEB 25	
H-10 04 37.5	
45.4N 151.3E	
h ABOUT 050KM	
COL IP	10 11 52.1
EUR EP	10 15 14.3
FEB 25	
EUR IP	10 12 00.2
BOZ EP	10 13 09.0
E	15 05.0
FEB 25	
EUR IP	10 54 50.9
FEB 25	
GUA EP	11 05 59.8
FEB 25	
EUR IP	11 52 55.4
FEB 25	
BOZ EP	13 02 06.0
FEB 25	
H-13 36 45.6	
36.0N 083.9E	
h ABOUT 042KM	
COL EP	13 48 04.5
BOZ E(P)	13 50 17.0
FEB 25	
BOZ E(P)	14 31 44.0
FEB 25	
EUR EP	15 03 31.1
FEB 25	
H-15 18 32.9	
5.6S 151.8E	
h ABOUT 042KM	
COL EP	15 30 51.0
EUR EP	15 31 54.7
BOZ EP	15 32 09.0
FEB 25	
COL EP	16 16 53.0
BOZ EP	16 20 11.0
FEB 25	
ALQ EP	17 55 14.0
FEB 25	
EUR EP	18 35 59.7
E	36 41.7
FEB 25	
EUR IP	18 38 59.9
FEB 25	
BCN EP	18 40 56.1
E(S)	41 13.6
EUR IP	18 41 06.9
FEB 25	
BHP IP	20 08 41.0
IS	08 43.5
FEB 25	
H-20 57 30.6	
11.5N 142.0E	
h ABOUT 016KM	
GUA IP	20 58 25.5
ES	58 34.5
EL	58 50.0
COL EP	21 08 49.0
EUR EP	21 10 41.8
E	10 54.8
FEB 25	
FGU IP D	20 58 14.0
IS	58 46.0
FEB 25	
H-21 26 56.8	
26.5N 111.4W	
h ABOUT 033KM	
TUC IP D	21 28 21.7
EL	29 59.0
ALQ IP	21 29 15.0
EL	32 05.0
BCN E(P)	21 29 20.5
EL	32 38.0
EUR IP	21 30 10.2
FGU EP	21 30 24.0
RCD IP	21 31 19.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	21 31 21.5
E	32 14.0
HHM EP	21 31 49.2
FEB 25	
H-23 23 33.3	
30.1S 177.9W	
h ABOUT 051KM	
BCN EP	23 36 21.8
E*P	36 36.0
TUC IP C	23 36 24.0
E(*P)	36 34.0
EUR IP	23 36 29.0
BOZ E(P)	23 36 56.0
COL E(P)	23 36 57.0
COL EP	23 37 02.0
FEB 25	
SLC EP	23 24 49.5
FGU IP	23 25 22.0
FEB 25	
H-23 31 25.7	
25.9S 178.8W	
h ABOUT 296KM	
TUC IP C	23 43 39.0
EUR EP	23 43 41.2
BOZ E(P)	23 43 51.0
ALQ EP	23 43 59.0
FEB 26	
EUR EP	00 05 55.2
FEB 26	
CSC E(P)	00 07 43.0
FEB 26	
COL IP	05 38 39.7
FEB 26	
FGU IP C	06 57 34.7
IS	57 59.4
FEB 26	
EUR EP	09 05 52.8
FEB 26	
BCN EP	09 08 03.8
FEB 26	
H-09 09 21.7	
56.2N 155.4W	
h ABOUT 033KM	
COL EP	09 11 37.0
FEB 26	
H-09 16 55.2	
27.3N 054.5E	
h ABOUT 033KM	
COL P	09 29 37.0

Date and Station	Phase (GCT)
	h m s
FEB 26	
COL IP	10 30 22.0
FEB 26	
CSC E(P)	11 41 23.0
FEB 26	
BOZ IP	12 08 26.1
IL	08 25.0
BZM EP	12 08 27.3
ES	08 39.0
BUT EP	12 08 38.1
IS	08 55.0
HHM E(P)	12 09 19.0
ES	10 10.7
EUR E(P)	12 10 01.9
FEB 26	
FGU IP C	12 47 42.7
IS	48 11.4
FEB 26	
EUR EP	13 15 56.6
FEB 26	
BOZ IP	15 21 23.8
IL	21 34.8
BUT E(P)	15 21 33.0
IS	22 55.0
FEB 26	
COL EP	15 51 25.0
FEB 26	
COL EP	16 14 18.0
FEB 26	
ALQ IP	16 55 07.0
FEB 26	
H-18 14 37.9	
04.4N 126.2E	
h ABOUT 132KM	
COL IP	18 26 56.8
BOZ EP'	18 32 54.0
EUR EP'	18 32 58.9
SJP EP'	18 34 40.0
FEB 26	
GCA EP	18 40 02.2
FGU E(P)	18 40 30.4
E(S)	41 12.9
FEB 26	
EUR EP	18 44 20.6
FEB 26	
BHP IP	18 49 38.0
FEB 26	
EUR EP	19 01 11.6

Date and Station	Phase (GCT)
	h m s
FEB 26	
H-20 32 54.4	
40.3N 124.6W	
h ABOUT 033KM	
UKI IP D	20 33 19.8
IS	33 39.3
EUR IP	20 34 32.7
BCN EP	20 35 04.7
SLC E(P)	20 35 11.8
BUT E(P)	20 35 21.0
BOZ EP	20 35 30.2
HHM IP	20 35 32.8
FGU E(P)	20 35 40.4
TUC EP D	20 36 10.5
EL	40 00.0
KIP ET	21 15 15.0
FEB 26	
ALQ EP	20 36 02.0
FEB 26	
COL EP	20 53 50.0
FEB 26	
H-21 17 08.1	
20.7S 174.4W	
h ABOUT 033KM	
KIP EP	21 25 21.0
UKI E(P)	21 28 59.2
BCN EP	21 29 16.0
TUC IP D	21 29 19.4
E	56 18.0
EUR IP	21 29 21.9
SLC EP	21 29 41.8
HHM E(P)	21 29 42.0
FGU EP	21 29 46.7
BOZ EP	21 29 52.5
COL IP	21 29 55.2
FEB 26	
FGU EP	21 31 17.9
ES	31 37.7
FEB 26	
BOZ EP	22 29 24.0
E	29 43.0
HHM EP	22 29 32.3
FEB 26	
H-22 59 24.6	
64.5N 010.8W	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
BOZ EP	23 08 49.0
FEB 26	
FGU EP	23 00 14.6
ES	00 37.5
FEB 26	
H-23 11 04.4	
11.7S 166.3E	
h ABOUT 064KM	
COL IP	23 23 24.7
EUR EP	23 23 50.5
TUC EP	23 24 01.4
FEB 26	
BCN EP	23 33 49.4
E	24 03.9
FEB 27	
H-02 32 23.7	
07.6S 039.6E	
h ABOUT 033KM	
BOZ EP'	02 51 52.0
EUR EP'	02 51 55.7
BCN EP'	02 51 59.0
E	52 05.5
FEB 27	
SJP IP	02 50 44.5
ES	51 03.2
FEB 27	
GUA IP	05 00 27.0
E	00 36.0
FEB 27	
ALQ E(P)	06 14 03.0
FEB 27	
H-06 28 35.9	
04.5S 143.4E	
h ABOUT 037KM	
COL IP	06 41 08.5
FEB 27	
COL EP	07 00 33.0
FEB 27	
COL EP	08 06 17.0
FEB 27	
GUA IP	08 15 46.2
ES	16 00.0
FEB 27	
EUR EP	08 38 33.5
FEB 27	
H-09 02 22.8	
44.0N 079.2E	
h ABOUT 033KM	
COL EP	09 13 03.0
BOZ EP	09 15 22.5

Date and Station	Phase (GCT)
	h m s
FEB 27	
H-11 35 32.4	
18.9N 104.0W	
h ABOUT 033KM	
TUC EP C	11 39 03.2
EL	43 16.0
ALQ IP	11 39 21.0
E	40 04.0
EL	44 04.0
GCA EP	11 39 59.5
E	45 54.0
BCN EP	11 40 01.2
EL	45 54.2
FGU EP	11 40 32.0
SLC EP	11 40 34.2
EUR IP	11 40 36.5
BOZ EP	11 41 16.0
EPCP	44 34.0
COL IP	11 44 55.8
FEB 27	
CSC E(P)	11 41 23.0
FEB 27	
SLC EP	11 47 05.2
FGU E(P)	11 47 32.0
EUR IP	11 47 50.0
FEB 27	
H-13 15 27.1	
5.3N 123.7E	
h ABOUT 092KM	
COL EP	13 27 51.0
E▸P	28 10.4
FEB 27	
BCN E(P)	14 14 05.0
FEB 27	
H-15 10 48.8	
21.7N 094.4E	
h ABOUT 102KM	
COL IP	15 22 55.8
HHM EP	15 24 47.9
BOZ EP	15 25 05.0
EP'	29 08.0
E	32 34.0
EPKKP	40 15.0
ESKKP	43 49.0
UKI EP'	15 29 11.2
SLC EP'	15 29 16.2
EUR IP'	15 29 16.4
ALQ IP'	15 29 30.0
I▸P'	29 48.0
I▸P'	30 00.0

Date and Station	Phase (GCT)
	h m s
TUC IP'C	15 29 32.2
SJP EP'	15 30 00.2
FEB 27	
COL EP	15 52 51.0
FEB 27	
TUC IP C	17 43 33.6
IL	43 53.0
ALQ EP	17 44 03.0
I	44 44.0
FEB 27	
CSC E(P)	18 01 03.0
E	02 48.0
FEB 27	
H-18 17 54.6	
37.2N 116.3W	
h ABOUT 030KM	
BCN IP	18 18 23.1
IS	18 44.1
EUR IP	18 18 32.1
I(S)	19 07.1
FEB 27	
H-20 36 48.1	
44.9N 151.0E	
h ABOUT 065KM	
COL EP	20 44 05.0
EUR EP	20 47 25.5
FEB 27	
H-21 15 45.1	
52.7N 152.6E	
h ABOUT 533KM	
COL IP	21 21 27.2
EUR IP	21 25 05.9
FEB 27	
COL EP	21 42 18.0
FEB 27	
SLC EP	21 59 44.3
FGU E(P)	22 00 18.1
FEB 27	
GCA E(P)	22 47 17.5
FEB 27	
BOZ EP	23 10 17.0
EL	10 45.0
FGU EP	23 10 25.8
IS	10 54.5
GCA IP	23 11 49.0
FEB 27	
H-23 31 57.9	
51.1N 179.8E	
h ABOUT 033KM	
COL EP	23 36 47.4

Date and Station	Phase (GCT)
	h m s
BOZ EP	23 40 06.0
EUR EP	23 40 13.6
FEB 27	
H-23 57 32.6	
60.4N 153.2W	
h ABOUT 165KM	
COL IP	23 58 48.7
EUR EP	24 03 38.1
FEB 28	
EUR IP	00 09 54.7
FGU EP	00 10 01.5
FEB 28	
EUR EP	00 11 20.1
FEB 28	
H-01 09 43.1	
43.6N 110.2W	
h ABOUT 030KM	
BOZ IP	01 10 19.9
IL	10 49.0
FGU EP	01 10 26.0
I	10 29.0
SLC E(P)	01 10 30.1
IL	11 14.6
HHM E(P)	01 11 03.0
EUR EP	01 11 11.2
FEB 28	
ALQ EP	01 14 30.0
FEB 28	
COL EP	06 05 45.7
FEB 28	
COL IP	06 13 32.7
FEB 28	
H-06 52 50.3	
53.1N 158.2E	
h ABOUT 090KM	
EUR EP	07 02 31.5
FEB 28	
BCN EP	09 11 06.8
FEB 28	
BOZ EP	12 05 22.0
FEB 28	
TUC E(P)	13 04 26.0
FEB 28	
FGU EP	14 20 30.5
IS	21 03.5
FEB 28	
H-15 11 00.8	
24.4S 179.9E	
h ABOUT 590KM	
TUC EP	15 22 45.6

Date and Station	Phase (GCT)
	h m s
FEB 28	
ALQ EP	15 53 58.5
FEB 28	
H-17 47 05.9	
18.2N 094.3E	
h ABOUT 043KM	
COL EP	17 59 37.0
EUR EP'	18 05 44.8
FGU EP'	18 05 48.5
ALQ IP'	18 06 03.0
I▸P'	06 14.0
TUC EP'	18 06 04.0
FEB 28	
FGU EP	18 15 53.6
IS	16 13.1
FEB 28	
BOZ E(P)	19 20 25.0
FEB 28	
GUA E(P)	20 41 51.0
FEB 28	
H-20 46 00.1	
13.3N 144.7E	
h ABOUT 033KM	
GUA EP	20 46 08.6
HHM EP	20 58 45.9
EUR IP	20 58 52.7
BOZ EP	20 58 57.0
TUC EP	20 59 21.2
ALQ IP	20 59 32.0
FEB 28	
GUA EP	20 52 03.3
ES	52 11.0
COL EP	20 57 22.5
FEB 28	
SLC E(P)	21 01 32.9
FEB 28	
GUA IP	20 54 59.0
ES	55 05.8
FEB 28	
ALQ IP	21 34 12.0
I	34 52.0
FEB 28	
SLC EP	21 46 06.9
FEB 28	
BCN EP	22 46 47.6
ES	47 16.4
FEB 28	
BCN IP	23 05 30.6
ES	05 43.0

Date and Station	Phase	(GCT)
		h m s
FEB 29		
HHM	EP	00 46 37.8
	E	47 04.9
FEB 29		
BCN	EP	01 34 39.6
	EL	35 12.6
FEB 29		
UKI	EP	02 35 03.6
	IS	35 10.8
FEB 29		
COL	IP	02 50 20.6
FEB 29		
COL	EP	03 34 47.0
FEB 29		
H-04 31 41.4		
53.5N 090.9E		
h ABOUT 033KM		
FUR	EP	04 44 13.0
ALQ	IP	04 44 43.0
FEB 29		
BOZ	EP	05 32 00.0
FEB 29		
H-07 04 18.3		
47.0N 150.9E		
h ABOUT 110KM		
COL	IP	07 11 18.2
BOZ	EP	07 14 33.8
	E(sP)	15 05.0
FUR	EP	07 14 44.1
RCD	E(P)	07 15 10.0
ALQ	EP	07 15 38.0
FEB 29		
COL	EP	07 20 35.0
FEB 29		
H-07 27 31.9		
15.5S 178.7W		
h ABOUT 407KM		
TUC	EP	07 39 02.0
ALQ	IP	07 39 23.0
FEB 29		
H-07 38 49.0		
5.9N 082.5W		
h ABOUT 024KM		
BHP	IP	07 39 54.0
SJP	EP	07 43 27.5
ALQ	EP	07 45 54.0
TUC	EP	07 46 04.0
RCD	E(P)	07 46 40.0
BOZ	EP	07 47 20.0

Date and Station	Phase	(GCT)
		h m s
FEB 29		
BOZ	E(P)	07 46 49.0
COL	IP	07 49 14.2
FEB 29		
H-07 51 55.1		
38.2S 074.5W		
h ABOUT 033KM		
TUC	E(P)	08 04 03.8
FEB 29		
BOZ	IP	08 08 38.0
	I	09 10.0
FEB 29		
BCN	IP	08 30 54.0
FEB 29		
BCN	EP	10 58 53.2
FEB 29		
FUR	IP	12 30 01.5
COL	EP	12 33 45.0
FEB 29		
EUR	E(P)	12 38 02.8
FEB 29		
H-14 04 59.1		
07.4N 073.3W		
h ABOUT 114KM		
BHP	IP	14 06 34.0
	IS	07 49.0
SJP	EP	14 08 03.2
	ES	10 22.0
ALQ	IP	14 12 33.0
TUC	EP	14 12 47.2
RCD	E(P)	14 13 05.0
EUR	IP	14 13 42.4
BOZ	IP	14 13 46.8
FEB 29		
EUR	EP	14 13 19.4
FEB 29		
H-15 20 12.8		
34.8N 141.7E		
h ABOUT 034KM		
GUA	E(P)	15 25 01.9
COL	EP	15 29 12.0
HHM	EP	15 31 41.9
FUR	IP	15 32 04.8
SLC	E(P)	15 32 23.4
TUC	E(P)	15 32 39.0
	I	32 44.6
ALQ	IP	15 32 52.0

Date and Station	Phase	(GCT)
		h m s
BCN	E(P)	15 33 20.3
HON	ES	15 37 26.0
	EL	44 02.0
FEB 29		
UKI	E(P)	16 25 57.0
	ES	26 09.5
FEB 29		
SLC	EP	18 51 10.7
	IS	51 32.9
FUR	EP	18 51 55.4
FEB 29		
H-19 42 43.9		
29.9N 139.1E		
h ABOUT 322KM		
COL	EP	19 51 52.0
FGU	EP	19 54 46.5
FEB 29		
H-20 13 41.6		
18.2S 172.8W		
h ABOUT 033KM		
TUC	EP	20 25 37.4
FUR	IP	20 25 39.6
ALQ	IP	20 26 02.0
FGU	IP	20 26 06.5
BOZ	IP	20 26 12.5
COL	IP	20 26 15.1
BCN	E(P)	20 26 33.3
FEB 29		
SLC	EP	20 47 04.8
FGU	EP	20 47 37.5
FEB 29		
FGU	E(P)	22 46 50.8
BOZ	EP	22 47 18.0
FEB 29		
FGU	EP	22 55 01.5
TUC	EP	22 55 55.0
FEB 29		
SLC	EP	23 07 47.6
TUC	EP	23 08 04.0
FGU	EP	23 08 19.5
FEB 29		
SLC	EP	23 14 24.6
FGU	IP	23 14 57.0
FUR	EP	23 15 08.8

Date and Station	Phase	(GCT)
		h m s
FEB 29		
H-23 49 40.8		
08.5S 112.7E		
h ABOUT 073KM		
GUA	E(P)	23 56 59.8
COL	EP'	24 07 35.0
BUT	EP'	24 08 31.6
TUC	E(P')	24 08 32.0
	E	08 51.2
	ESKP	12 06.6
HHM	IP'	24 08 32.0
	I▸P'	09 02.0
FGU	EP'	24 08 35.5
	I	08 45.3
	I(SKP)	11 56.7
FUR	IP'	24 08 37.4
ALQ	IP'	24 08 41.0
	I	08 55.0
	ISKP	12 13.
	E	12 32.0
SLC	IP'	24 08 41.8
GCA	IP'	24 08 46.8
	I(SKP)	11 57.3
CSC	EP'	24 09 22.0
RCN	EP'	24 09 31.2
	I	09 42.7
	E▸P'	10 16.4
	EsP'	10 30.7
	ESKP	12 49.7
SJP	EP'	24 09 40.5