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SEISMOLOGICAL BULLETIN

June, 1966

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SEISMOLOGICAL BULLETIN

1966

LIST OF SEISMOGRAPH STATIONS

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

Albuquerque, New Mexico (ALQ) WWNSS
Blue Mountains Observatory, Oregon (BMO)
**Balboa Heights, Canal Zone (BHP) WWNSS
The Panama Canal Company
Barrow, Alaska (BRW)
*Boulder City, Nevada (BCN)
Bureau of Reclamation
*Bozeman, Montana (BOZ) WWNSS
*Bozeman, Montana (BZM)
Montana State College
*Butte, Montana (BUT)
Montana School of Mines
*Cedar Springs, California (CED)
California Department of Water Resources
*Chicago, Illinois (CHK)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL) WWNSS
*Columbia, South Carolina (CSC)
University of South Carolina
*Eureka, Nevada (EUR)
Eureka Corporation Limited
*Flaming Gorge, Utah (FGU)
Bureau of Reclamation
*Glen Canyon, Arizona (GCA)
Bureau of Reclamation
Guam, Mariana Islands (GUA) WWNSS
Honolulu, Hawaii (HON)
*Hungry Horse, Montana (HHM)
Bureau of Reclamation
Kipapa, Hawaii (KIP) WWNSS
Newport, Washington (NEW)
**Philadelphia, Pennsylvania (PHI)
The Franklin Institute
**Rapid City, South Dakota (RCD) WWNSS
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan Geophysical Observatory
Puerto Rico (SJG) WWNSS
San Luis Dam, California (SLD)
Bureau of Reclamation
Sitka, Alaska (SIT)
Tucson, Arizona (TUC) WWNSS
Ukiah, California (UKI)
International Latitude Observatory
Washington, D. C. (WAS)
Washington Science Center, Maryland (WSC)

*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 in the Rockville office except those for Balboa Heights. Since January 1, 1959, the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson has not been 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 epicenter, origin times and focal depths have been calculated with the use of an electronic computer. The epicenters quoted in this bulletin are recomputations of those previously reported on the Preliminary Determination of Epicenter cards with the addition of some new epicenters.

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

U. S. Department of Commerce
Environmental Science Services Administration
Coast and Geodetic Survey
Seismology Division
Rockville, Maryland 20852

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
1	02 33 57.1	51.5 N	176.3 E	17	5.0	RAT ISLANDS, ALEUTIAN ISLANDS.
1	02 52 06*	14.7 N	91.2 W	26	3.6	GUATEMALA.
1	03 48 49.2	5.8 S	151.3 E	60	5.1	NEW BRITAIN REGION. FELT AT RABAUL AND PALMALMAL.
1	10 14 44.2	13.8 S	166.6 E	58	4.9	NEW HEBRIDES ISLANDS.
1	10 27 41*	51.4 N	177.2 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
1	11 47 32.7	23.5 S	174.8 W	22	5.8	TONGA ISLANDS REGION.
1	12 18 19.3	25.1 S	64.8 W	33	4.3	SALTA PROVINCE, ARGENTINA.
1	12 34 30.2	15.2 S	167.3 E	63	5.5	NEW HEBRIDES ISLANDS.
1	13 52 18.2	61.3 N	146.2 W	51	3.6	SOUTHERN ALASKA.
1	15 27 48.1	6.3 S	133.4 E	39	5.2	ARCE ISLANDS REGION.
1	17 17 13*	36.9 N	107.0 W	5		NEW MEXICO.
1	18 18 29*	16.5 S	73.4 W	82	4.3	NEAR COAST OF PERU.
1	22 52 10.9	56.4 S	27.8 W	126		SOUTH SANDWICH ISLANDS REGION.
2	02 44 56.3	19.3 S	167.8 E	33	4.6	NEW HEBRICES ISLANDS REGION.
2	03 14 17*	23.7 S	174.9 W	38	4.3	TONGA ISLANDS REGION.
2	03 27 50.0	51.1 N	176.0 E	16	5.9	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 6 (PAS), 5 1/2-5 3/4 (PAL).
2	04 17 42*	41.0 N	29.5 W	33	4.2	AZORES ISLANDS REGION.
2	06 24 09.0	10.3 N	62.1 W	38	4.3	NEAR COAST OF VENEZUELA.
2	06 59 04*	12.1 S	166.4 E	81	4.1	SANTA CRUZ ISLANDS.
2	07 08 11.0	0.1 N	123.3 E	211	5.7	NORTHERN CELEBES.
2	07 42 09.3	36.8 S	179.6 W	33		EAST OF NORTH ISLAND, N.Z.
2	08 06 14.0	52.9 N	166.9 W	19	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
2	08 22 56*	52.8 N	166.9 W	29	4.3	FOX ISLANDS, ALEUTIAN ISLANDS.
2	12 07 54.0	36.5 N	139.1 E	119	4.3	HONSHU, JAPAN. FELT AT TOKYO.
2	15 30 00.092					37° 13′ 27″ N. 116° 03′ 20″ W. NEVADA TEST SITE. "PILE DRIVER". SHOT ELEVATION 1088.7 METERS (AEC).
2	16 54 01.0	19.0 S	173.3 W	68	5.0	TONGA ISLANDS.
2	17 05 40.0	15.6 S	71.9 W	131	4.6	SOUTHERN PERU.
2	17 49 45.9	14.1 S	75.8 W	63	4.2	NEAR COAST OF PERU.
2	18 37 48.8	36.5 N	7.5 W	30	4.3	STRAITS OF GIBRALTER.
2	19 47 38*	8.7 N	126.3 E	10		MINDANAO, PHILIPPINE ISLANDS.
2	21 59 12*	36.9 N	107.0 W	5		NEW MEXICO.
2	22 51 27.3	38.6 N	27.3 E	33	4.5	TURKEY. FELT ON LESBOS AND CHIOS ISLANDS.
3	01 52 38*	38.6 N	119.7 W	33		CALIFORNIA-NEVADA BORDER REGION. MAG. 3 (BRK).
3	04 41 34*	24.8 S	70.2 W	76	4.1	NEAR COAST OF NORTHERN CHILE.
3	07 14 42*	0.6 N	29.9 E	33	5.0	REPUBLIC OF THE CONGO.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
3	10 42 59.3	30.9 S	68.7 W	109	5.0	SAN JUAN PROVINCE, ARGENTINA. FELT AT SAN JUAN.
3	11 22 07*	59.2 N	148.3 W	16	3.7	KENAI PENINSULA, ALASKA.
3	13 49 09.5	17.9 S	178.6 W	584	4.8	FIJI ISLANDS REGION.
3	14 00 00.037					37° 04' 06" N. 116° 02' 07" W. NEVADA TEST SITE. "TAN". SHOT ELEVATION 679.7 METERS (AEC).
3	14 37 01*	36.0 N	139.6 E	105	4.5	NEAR S. COAST OF HONSHU, JAPAN.
3	15 31 57.4					"TAN". COLLAPSE.
3	18 40 41.6	1.9 S	100.3 E	33		SOUTHERN SUMATRA.
3	20 02 52.6	7.4 N	35.8 W	33	4.5	CENTRAL MID-ATLANTIC RIDGE.
4	01 36 36.8	23.0 N	121.4 E	43	4.4	TAIWAN.
4	04 05 28*	17.6 N	61.4 W	13		LEEWARD ISLANDS.
4	04 24 43*	19.5 S	173.8 W	177	3.8	TONGA ISLANDS.
4	04 30 34.2	22.6 S	71.8 W	15	4.1	OFF COAST OF NORTHERN CHILE.
4	05 11 54.9	36.4 N	70.7 E	213	5.4	HINDU KUSH REGION.
4	06 16 58.4	36.6 N	21.0 E	91	5.0	SOUTHERN GREECE. FELT ON CEPHALONIA ISLAND, AND IN MESSENIA AND ELIS.
4	06 57 45.8	7.4 N	35.8 W	33	4.3	CENTRAL MID-ATLANTIC RIDGE.
4	08 35 15.3	14.9 S	171.2 E	659	4.7	NEW HEBRIDES ISLANDS REGION.
4	09 11 09.7	24.5 S	177.5 W	27	4.0	SOUTH OF FIJI ISLANDS.
4	09 50 18*	15.9 N	61.4 W	153		LEEWARD ISLANDS.
4	10 04 38.2	15.7 S	74.6 W	54	4.2	NEAR COAST OF PERU.
4	10 29 39.6	36.9 N	107.0 W	5	4.0	NEW MEXICO.
4	11 23 04.2	15.7 S	174.8 W	313	4.2	TONGA ISLANDS.
4	11 24 32.8	36.9 N	107.1 W	5		NEW MEXICO.
4	12 11 56*	19.4 N	108.0 W	33	4.2	REVILLA GIGEDO ISLANDS REGION.
4	14 12 53.3	13.2 N	90.1 W	55	4.4	NEAR COAST OF GUATEMALA. FELT AT SAN SALVADOR, EL SALVADOR.
4	14 29 59.8	4.9 N	124.2 E	58	4.6	CELEBES SEA.
4	14 48 09.1	15.8 S	74.4 W	36	4.2	NEAR COAST OF PERU.
4	14 51 25*	23.6 S	174.8 W	13	4.6	TONGA ISLANDS REGION.
4	15 57 49.2	7.4 N	126.6 E	117		MINDANAO, PHILIPPINE ISLANDS.
4	18 03 39.7	23.1 N	120.6 E	25	4.4	TAIWAN.
4	18 07 01.3	19.8 S	69.0 W	99	4.8	NORTHERN CHILE. FELT AT IQUIQUE AND ARICA.
4	19 02 03*	0.9 N	29.9 E	33	4.8	REPUBLIC OF THE CONGO.
4	21 11 45.5	41.4 N	69.1 E	5		KIRGIZ SSR. MINOR DAMAGE AT TASHKENT.
4	21 38 16.3	29.9 S	178.8 W	215	4.2	KERMADEC ISLANDS REGION.
4	22 06 42*	48.0 N	152.8 E	160	4.3	KURILE ISLANDS.
4	23 48 18.0	46.5 N	152.7 E	27	5.8	KURILE ISLANDS. MAG. 5 3/4-6 (PAS), 5 3/4-6 (PAL).

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
5	00 53 01.2	6.3 S	81.4 W	33	4.3	NEAR COAST OF NORTHERN PERU.
5	02 18 46*	80.3 N	1.8 W	33	4.2	NORTH OF SVALBARD.
5	02 53 10.4	31.3 S	68.6 W	116	4.3	SAN JUAN PROVINCE, ARGENTINA.
5	04 17 32.3	17.3 S	70.6 W	123	4.2	NEAR COAST OF PERU.
5	04 49 54.8	24.5 N	122.1 E	33	4.3	TAIWAN REGION.
5	08 29 24.1	24.6 N	93.4 E	45		BURMA-INDIA BORDER REGION.
5	09 14 06.4	39.1 N	29.3 E	39	4.5	TURKEY.
5	11 09 14*	62.9 N	149.6 W	45	3.9	CENTRAL ALASKA.
5	11 21 41.8	0.4 N	122.1 E	151	4.9	NORTHERN CELEBES.
5	12 27 44*	46.8 N	152.7 E	33	4.2	KURILE ISLANDS.
5	18 24 45*	52.8 N	169.5 W	33	4.2	FOX ISLANDS, ALEUTIAN ISLANDS.
5	18 52 05.3	19.8 N	109.0 W	33	4.3	REVILLA GIGEDO ISLANDS REGION.
5	19 03 10*	9.7 S	70.6 W	608	4.6	PERU-BRAZIL BORDER REGION.
5	20 52 03.2	37.3 N	22.0 E	48	4.4	SOUTHERN GREECE. FELT IN MESSENIA AND ELIS.
5	20 54 04*	37.3 N	21.6 E	52		SOUTHERN GREECE. FELT AT DORION AND CHARCKOPION.
5	21 10 47*	24.4 S	70.0 W	78	4.1	NORTHERN CHILE.
5	22 07 06.6	20.4 S	168.3 E	36		LOYALTY ISLANDS.
5	22 46 04*	37.3 N	21.6 E	33		SOUTHERN GREECE. FELT AT DORION.
6	00 52 08.8	2.7 S	150.6 E	33	4.6	NEW IRELAND REGION.
6	01 45 42.4	14.9 S	167.8 E	17	5.4	NEW HEBRIDES ISLANDS.
6	04 38 12*	44.6 N	82.2 E	33	4.8	NORTHERN SINKIANG PROV., CHINA.
6	05 03 21.7	40.3 N	53.0 E	37	4.7	TURKMEN SSR.
6	06 01 58.5	40.7 S	78.4 E	33	5.0	MID-INDIAN RISE.
6	07 23 12.5	37.3 N	121.8 W	7	3.9	CENTRAL CALIFORNIA. MAG. 3.7 (BRK). FELT AT SAN JOSE.
6	07 46 16.1	36.4 N	71.1 E	221	6.2	AFGHANISTAN-USSR BORDER REGION. MAG. 6 3/4 (PAS). FELT AT FAIZABAD, AFGHANISTAN, TASHKENT, USSR, AND IN WEST PAKISTAN.
6	09 25 17.1	23.5 S	111.9 W	33	4.6	EASTER ISLAND REGION.
6	09 48 10.1	13.0 S	167.1 E	220	4.3	NEW HEBRIDES ISLANDS.
6	09 56 33.4	30.6 S	69.3 W	108	4.9	CHILE-ARGENTINA BORDER REGION. FELT AT SANTIAGO.
6	11 10 38*	36.4 N	138.2 E	42	4.1	HONSHU, JAPAN.
6	14 59 32.2	55.9 N	164.7 E	33	4.2	KOMANDORSKY ISLANDS REGION.
6	19 56 16.3	19.4 S	168.2 E	33		NEW HEBRIDES ISLANDS.
6	20 47 12.2	9.5 N	126.4 E	55	5.6	MINDANAO, PHILIPPINE ISLANDS.
6	23 07 31.4	9.6 N	126.5 E	51	5.1	MINDANAO, PHILIPPINE ISLANDS.
6	23 16 32.3	9.6 N	126.5 E	35	5.3	MINDANAO, PHILIPPINE ISLANDS.
6	23 36 33.4	9.7 N	126.6 E	62		MINDANAO, PHILIPPINE ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
6	23 59 19.1	9.6 N	126.2 E	67	5.1	MINDANAO, PHILIPPINE ISLANDS.
7	00 59 45.3	14.9 S	75.9 W	33		NEAR COAST OF PERU. MAG. 6 1/4 (PAS), 6-6 1/4 (PAL).
7	01 20 06.4	14.9 S	76.2 W	35	4.4	NEAR COAST OF PERU.
7	01 56 21.5	14.3 S	75.5 W	104	4.0	NEAR COAST OF PERU.
7	03 24 19.0	15.0 S	75.8 W	51	4.9	NEAR COAST OF PERU.
7	04 59 27*	50.8 N	179.5 E	33	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
7	05 58 50*	5.1 S	151.1 E	145	4.4	NEW BRITAIN REGION.
7	06 45 47*	59.5 N	153.4 W	83	4.3	SOUTHERN ALASKA.
7	09 18 39.1	36.9 N	107.2 W	5		NEW MEXICO.
7	09 18 58.7	25.5 N	122.3 E	242	4.8	TAIWAN REGION.
7	11 44 51.7	24.2 N	122.6 E	41	5.5	TAIWAN REGION.
7	13 59 34.4	11.3 N	139.4 E	35	6.3	WEST CAROLINE ISLANDS. MAG. 6 3/4-7 (PAS), 6 3/4-7 (PAL).
7	14 54 49.5	21.1 S	179.2 W	638	4.4	FIJI ISLANDS REGION.
7	15 14 42.9	15.1 S	75.8 W	56	4.9	NEAR COAST OF PERU.
7	19 05 47.4	21.4 S	179.3 W	605	5.1	FIJI ISLANDS REGION.
7	22 18 57.3	5.7 S	105.5 E	40	5.3	SUNDA STRAIT.
7	23 46 54.3	35.7 N	80.1 E	39	4.7	KASHMIR-TIBET BORDER REGION.
8	03 42 14.4	7.7 S	158.9 E	63	5.0	SOLOMON ISLANDS.
8	05 32 38.5	17.9 S	178.1 W	564	4.5	FIJI ISLANDS REGION.
8	06 24 29.7	46.4 N	152.7 E	55	4.7	KURILE ISLANDS.
8	10 46 07.0	22.9 N	120.6 E	21	4.9	TAIWAN.
8	14 56 52.6	15.3 S	76.0 W	23	4.6	OFF COAST OF PERU.
8	15 02 01.9	23.0 S	66.3 W	226	4.6	JUJUY PROVINCE, ARGENTINA.
8	17 51 25*	44.4 N	82.9 E	50	4.7	NORTHERN SINKIANG PROV., CHINA.
8	18 53 14.5	22.6 S	171.7 E	92	4.0	LOYALTY ISLANDS REGION.
8	19 56 22.7	53.1 N	171.1 E	27	5.4	NEAR ISLANDS, ALEUTIAN ISLANDS.
8	21 21 52*	6.1 S	147.5 E	61		EAST NEW GUINEA REGION.
8	21 35 57.5	34.4 N	138.9 E	33	4.6	NEAR S. COAST OF HONSHU, JAPAN.
8	22 01 16.1	9.7 N	126.7 E	46	5.1	MINDANAO, PHILIPPINE ISLANDS.
8	23 11 19.3	19.7 S	69.3 W	122	4.1	NORTHERN CHILE.
8	23 33 14.9	36.9 N	107.1 W	5		NEW MEXICO.
9	00 12 11.5	7.7 N	94.2 E	50	5.2	NICOBAR ISLANDS REGION.
9	01 57 37.8	45.0 N	146.4 E	160	4.7	KURILE ISLANDS.
9	02 16 00.3	37.6 N	72.3 E	171	4.5	TADZHIK SSR.
9	02 59 39.2	31.0 S	71.6 W	52	4.3	NEAR COAST OF CENTRAL CHILE.
9	06 57 50.1	85.0 N	95.8 E	33	4.9	NORTH OF SEVERNAYA ZEMLYA.
9	07 15 07*	85.2 N	94.2 E	33	4.4	NORTH OF SEVERNAYA ZEMLYA.

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JUN	H M S	DEG	DEG	KM		
9	11 21 17.7	30.0 N	142.1 E	50	4.7	SOUTH OF HONSHU, JAPAN.
9	12 01 21.5	20.7 S	178.5 W	581	4.3	FIJI ISLANDS REGION.
9	13 08 10.8	39.9 N	141.6 E	66	4.8	HONSHU, JAPAN.
9	15 39 25.9	44.3 N	147.7 E	89	5.5	KURILE ISLANDS.
9	22 16 27.4	30.0 N	142.1 E	55	4.8	SOUTH OF HONSHU, JAPAN.
9	22 24 43.6	27.6 N	52.7 E	39	5.1	SOUTHERN IRAN.
10	04 25 14.8	52.1 N	175.1 E	33	4.9	RAT ISLANDS, ALEUTIAN ISLANDS.
10	05 34 18.9	19.9 N	70.4 W	11	3.8	DOMINICAN REPUBLIC REGION.
10	06 58 55*	2.6 S	138.9 E	33		WEST NEW GUINEA.
10	07 34 26*	15.9 N	60.8 W	45	5.1	LEEWARD ISLANDS.
10	08 13 25.1	14.8 S	76.1 W	15	5.0	NEAR COAST OF PERU.
10	10 32 46*	45.2 N	27.9 W	33	4.4	NORTH ATLANTIC RIDGE.
10	10 46 50.6	45.1 N	28.0 W	33	4.3	NORTH ATLANTIC RIDGE.
10	12 15 05.8	6.1 S	149.8 E	53	5.1	NEW BRITAIN REGION.
10	14 08 24.6	42.6 N	149.1 E	17	5.2	OFF COAST OF HOKKAIDO, JAPAN.
10	14 12 13.4	57.4 N	155.8 W	60	4.9	ALASKA PENINSULA.
10	14 13 42.3	14.4 S	75.4 W	25	4.5	NEAR COAST OF PERU.
10	14 30 00.042					37° 03′ 34″ N. 116° 02′ 20″ W. NEVADA TEST SITE. "PUCE". SHOT ELEVATION 750.4 METERS (AEC).
10	19 04 41.5	51.8 N	170.4 W	35	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
10	19 11 14.6	52.5 N	173.6 E	26	4.9	NEAR ISLANDS, ALEUTIAN ISLANDS.
10	19 45 48*	43.1 N	111.1 W	33	3.7	EASTERN IDAHO.
10	21 35 37*	44.8 N	149.4 E	17	4.5	KURILE ISLANDS.
10	22 14 38.9	32.9 N	39.8 W	19	5.1	NORTH ATLANTIC RIDGE.
10	22 41 48.6	45.2 N	99.7 E	33	5.0	MONGOLIA.
10	23 30 56*	72.5 N	3.2 E	33	4.5	NORWEGIAN SEA.
11	02 37 37.4	19.2 N	108.1 W	34	5.0	REVILLA GIGEDO ISLANDS REGION. MAG. 4.4-4.8 (BRK).
11	03 01 05.4	23.6 N	119.9 E	12	5.2	TAIWAN REGION.
11	03 40 24*	9.4 N	126.5 E	56		MINDANAO, PHILIPPINE ISLANDS.
11	03 51 40.2	26.2 S	71.2 E	33		MID-INDIAN RISE.
11	05 04 15.1	12.1 S	166.6 E	99	5.0	SANTA CRUZ ISLANDS.
11	05 35 51*	43.1 N	111.0 W	33		EASTERN IDAHO.
11	06 08 49.1	35.8 N	72.0 E	98	4.8	WEST PAKISTAN.
11	08 42 17.8	19.2 N	108.2 W	33	4.1	REVILLA GIGEDO ISLANDS REGION.
11	09 22 14.2	43.2 N	111.3 W	33		EASTERN IDAHO.
11	09 32 49.1	43.1 N	111.2 W	33		EASTERN IDAHO.
11	09 36 53.3	43.2 N	111.2 W	33		EASTERN IDAHO.
11	10 19 27.4	43.2 N	111.1 W	33	3.4	EASTERN IDAHO.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
11	10 21 54.7	38.9 N	21.4 E	36	4.7	GREECE. FELT IN AKARNANIA, AETOLIA, AND EVRYTANIA.
11	10 29 56*	32.9 S	177.6 W	18	4.3	SOUTH OF KERMADEC ISLANDS.
11	10 46 40.8	43.1 N	111.4 W	33		EASTERN IDAHO.
11	10 46 58.4	1.3 S	126.5 E	33	5.1	MOLUCCA SEA.
11	10 53 10.9	43.1 N	111.4 W	33		EASTERN IDAHO.
11	11 04 11.6	14.6 S	75.8 W	41	4.4	NEAR COAST OF PERU.
11	11 19 30.4	53.5 N	167.5 W	27	4.5	FOX ISLANDS, ALEUTIAN ISLANDS.
11	11 21 58.2	53.5 N	167.5 W	57	5.0	FOX ISLANDS, ALEUTIAN ISLANDS.
11	12 05 02.5	37.4 N	21.2 E	47	4.7	SOUTHERN GREECE. FELT AT GARGALIANOE.
11	14 25 44*	53.4 N	167.4 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
11	17 22 42*	53.5 N	167.6 W	52	4.4	FOX ISLANDS, ALEUTIAN ISLANDS.
11	18 13 39.5	51.6 N	178.4 W	48	5.5	ANDREANOF ISLANDS, ALEUTIAN IS.
11	22 29 37.4	36.5 N	70.5 E	201	4.5	HINDU KUSH REGION.
12	00 28 25.1	19.1 S	169.6 E	265	4.7	NEW HEBRIDES ISLANDS.
12	00 43 09.8	36.7 N	138.1 E	23	4.6	HONSHU, JAPAN.
12	01 57 47.0	19.2 N	145.1 E	191	4.8	MARIANA ISLANDS.
12	03 10 52*	17.0 N	61.6 W	33	4.7	LEEWARD ISLANDS.
12	03 33 45.5	13.8 S	166.5 E	52		NEW HEBRIDES ISLANDS.
12	03 56 20.1	6.4 N	73.0 W	147	4.5	NORTHERN COLOMBIA.
12	06 49 09.0	52.8 N	170.4 E	33	4.3	NEAR ISLANDS, ALEUTIAN ISLANDS.
12	07 20 25.8	13.1 N	146.3 E	161	4.2	SOUTH OF MARIANA ISLANDS.
12	12 41 31*	51.6 N	173.1 W	9	4.0	ANDREANOF ISLANDS, ALEUTIAN IS.
12	16 33 42.3	22.8 S	178.7 W	401	4.3	SOUTH OF FIJI ISLANDS.
12	18 33 12.9	17.5 N	61.5 W	27		LEEWARD ISLANDS.
12	19 26 22.0	28.9 S	68.4 W	97	4.8	LA RIOJA PROVINCE, ARGENTINA.
12	20 20 58.0	3.1 S	28.1 W	20	4.9	SOUTH ATLANTIC OCEAN.
13	01 03 52.7	32.2 N	54.4 E	56	4.8	IRAN.
13	01 10 09*	21.3 S	70.0 W	71	4.2	NEAR COAST OF NORTHERN CHILE.
13	02 48 03*	7.6 N	82.7 W	15	4.1	SOUTH OF PANAMA.
13	04 00 18.3	16.8 S	174.2 W	182	4.4	TONGA ISLANDS.
13	05 27 18.7	29.6 S	71.5 W	62	4.3	NEAR COAST OF CENTRAL CHILE.
13	07 33 11.9	21.3 S	174.2 E	35	5.9	NEW HEBRIDES ISLANDS REGION. MAG. 6-6 1/4 (PAS), 5.8-6.2 (BRK), 6 1/4 (PAL).
13	11 27 24.1	37.4 N	72.3 E	195	4.9	TADZHIK SSR.
13	12 02 55.2	59.4 N	151.5 W	55	4.4	KENAI PENINSULA, ALASKA.
13	13 06 02*	73.6 N	8.3 E	33	4.4	GREENLAND SEA.
13	13 19 35.3	73.4 N	7.8 E	33	4.7	GREENLAND SEA.
13	13 35 10*	17.5 N	61.5 W	33		LEEWARD ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
13	14 13 01.4	79.7 N	3.8 E	33	4.2	GREENLAND SEA.
13	14 47 22.2	73.0 N	6.7 E	33	4.3	GREENLAND SEA.
13	17 30 03*	53.5 N	167.5 W	33	3.8	FOX ISLANDS, ALEUTIAN ISLANDS.
13	18 08 35.3	12.2 S	167.1 E	228	6.1	SANTA CRUZ ISLANDS. MAG. 6 3/4 (PAS), 6.1-6.4 (BRK).
13	21 05 35.4	33.7 N	118.0 W	8	3.9	SOUTHERN CALIFORNIA. MAG. 3.5 (PAS). FELT IN LOS ANGELES AND ORANGE COUNTIES.
14	00 35 20*	7.9 N	103.0 W	33	4.2	OFF COAST OF MEXICO.
14	01 51 59*	53.4 N	167.4 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
14	02 38 37.2	20.8 S	178.6 W	545	4.5	FIJI ISLANDS REGION.
14	02 45 57.0	38.1 N	42.9 E	42	4.6	TURKEY. FELT AT SIIRT AND VAN.
14	03 16 04.4	0.2 S	19.1 W	21	4.4	CENTRAL MID-ATLANTIC RIDGE.
14	08 54 50*	18.2 S	68.6 W	83	4.4	CHILE-BOLIVIA BORDER REGION.
14	11 54 57.5	8.1 N	37.3 W	33	4.7	CENTRAL MID-ATLANTIC RIDGE.
14	12 45 16*	40.0 N	120.5 W	33		NORTHERN CALIFORNIA.
14	13 55 13*	21.6 S	169.3 E	33		LOYALTY ISLANDS REGION.
14	15 37 45.9	0.2 S	30.3 E	24	4.9	UGANDA.
14	15 41 29.1	41.5 N	110.6 W	33		EASTERN IDAHO.
14	16 39 51.0	5.4 S	124.4 E	660	5.4	BANDA SEA.
14	18 57 13.0	1.5 N	123.4 E	101		NORTHERN CELEBES.
14	21 03 48.0	30.7 N	138.7 E	394	5.0	SOUTH OF HONSHU, JAPAN.
14	23 50 41.4	1.1 N	30.0 E	33	4.8	UGANDA.
15	00 59 46.0	10.4 S	160.8 E	34		SOLOMON ISLANDS. MAG. 7 1/2 (PAS), 7-7.3 (BRK), 7 1/2-7 3/4 (PAL). DAMAGE ABOARD M.S. NINGHAI AT 10° 35' N. 161° 05' E. FELT ON GUADALCANAL, MALITA, AND SAN CRISTOBAL.
15	01 12 48*	10.5 S	160.9 E	33		SOLOMON ISLANDS.
15	01 32 10.5	10.4 S	161.2 E	33	5.0	SOLOMON ISLANDS.
15	01 32 54.0	10.2 S	160.9 E	23		SOLOMON ISLANDS. MAG. 7 1/4 (PAS). FELT ON GUADALCANAL, MALITA, AND SAN CRISTOBAL.
15	02 05 38.0	10.2 S	160.6 E	22	4.7	SOLOMON ISLANDS.
15	02 19 48.4	17.1 N	94.8 W	54	4.2	CHIAPAS, MEXICO. FELT AT TEHUANTEPEC.
15	02 36 27.0	10.7 S	161.0 E	33	5.2	SOLOMON ISLANDS.
15	02 47 22*	10.7 S	161.1 E	33	4.9	SOLOMON ISLANDS.
15	02 49 41.0	10.0 S	160.6 E	33		SOLOMON ISLANDS.
15	02 57 22*	10.2 S	160.9 E	33	4.6	SOLOMON ISLANDS.
15	03 03 31.8	10.2 S	160.7 E	19	5.6	SOLOMON ISLANDS.
15	03 27 18.7	10.1 S	161.1 E	33	5.0	SOLOMON ISLANDS.
15	03 32 12*	10.5 S	161.0 E	33	4.9	SOLOMON ISLANDS.
15	03 35 50.0	10.4 S	161.0 E	33	4.7	SOLOMON ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
15	03 39 29.0	10.5 S	161.1 E	33	4.5	SOLOMON ISLANDS.
15	03 41 17.1	10.5 S	161.0 E	44	4.8	SOLOMON ISLANDS.
15	03 43 55.2	10.5 S	161.0 E	33	4.9	SOLOMON ISLANDS.
15	04 04 40.8	10.5 S	161.0 E	41	5.2	SOLOMON ISLANDS.
15	04 26 53.2	10.4 S	161.1 E	33	5.2	SOLOMON ISLANDS. FELT AT HONIARA.
15	06 00 43.6	10.4 S	161.1 E	33	4.6	SOLOMON ISLANDS.
15	06 04 56.0	30.4 S	177.8 W	26	4.1	KERMADEC ISLANDS REGION.
15	06 09 14.2	10.2 S	160.6 E	33	4.8	SOLOMON ISLANDS.
15	06 13 52.2	10.1 S	160.9 E	41	5.7	SOLOMON ISLANDS. MAG. 5.8-6.2 (BRK). FELT AT HONIARA.
15	06 39 51*	10.9 S	161.2 E	33	4.7	SOLOMON ISLANDS.
15	06 56 27*	10.3 S	160.7 E	33	4.7	SOLOMON ISLANDS.
15	07 30 47.8	10.5 N	62.4 W	7	4.1	NEAR COAST OF VENEZUELA.
15	07 31 04*	10.6 S	160.7 E	33	4.2	SOLOMON ISLANDS.
15	07 54 10.8	10.3 S	161.2 E	33	4.5	SOLOMON ISLANDS.
15	08 59 48*	10.3 S	161.0 E	33	4.3	SOLOMON ISLANDS.
15	09 31 25*	10.7 S	161.2 E	33	4.4	SOLOMON ISLANDS.
15	09 38 58.5	10.6 S	161.0 E	33	4.6	SOLOMON ISLANDS.
15	09 57 06.1	10.4 S	161.2 E	33	4.7	SOLOMON ISLANDS.
15	10 24 22*	10.4 S	161.4 E	33	4.5	SOLOMON ISLANDS.
15	11 11 00*	10.3 S	161.3 E	33	4.6	SOLOMON ISLANDS.
15	11 21 55*	10.2 S	161.3 E	33		SOLOMON ISLANDS.
15	11 27 03.8	10.5 S	161.1 E	33	4.6	SOLOMON ISLANDS.
15	11 32 29*	28.9 S	71.1 W	52	3.9	NEAR COAST OF CENTRAL CHILE.
15	14 08 58.9	10.1 S	160.9 E	33	4.6	SOLOMON ISLANDS.
15	14 38 38.2	10.0 S	160.8 E	33		SOLOMON ISLANDS.
15	15 31 54*	56.0 N	161.8 E	33	4.2	NEAR EAST COAST OF KAMCHATKA.
15	16 17 14.3	10.7 S	161.1 E	27	5.2	SOLOMON ISLANDS.
15	16 36 23.7	10.3 S	160.7 E	15	5.6	SOLOMON ISLANDS. MAG. 4.8-5.2 (BRK). FELT AT HONIARA.
15	18 39 52.4	10.4 S	160.7 E	33	4.6	SOLOMON ISLANDS.
15	19 58 58.2	10.3 S	161.0 E	21	5.3	SOLOMON ISLANDS.
15	20 27 49.0	10.2 S	161.0 E	33	4.7	SOLOMON ISLANDS.
15	20 49 20.9	11.3 S	167.1 E	150	4.7	SANTA CRUZ ISLANDS.
15	21 13 54.4	10.4 S	161.2 E	33	4.6	SOLOMON ISLANDS.
15	22 43 37.5	11.2 S	167.1 E	94	4.9	SANTA CRUZ ISLANDS.
15	23 25 26*	44.2 N	149.0 E	33	4.9	KURILE ISLANDS.
16	00 03 47.7	10.5 S	161.0 E	33	4.9	SOLOMON ISLANDS.
16	08 31 37.7	22.1 S	179.6 W	588	4.4	SOUTH OF FIJI ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
16	08 59 37.7	16.3 N	104.2 W	33	3.9	OFF COAST OF MICHOACAN, MEXICO.
16	09 01 22.0	10.1 S	161.0 E	33		SOLOMON ISLANDS.
16	09 46 58.8	10.3 S	160.9 E	30	4.9	SOLOMON ISLANDS.
16	10 14 03.9	15.4 N	104.4 W	33	4.5	OFF COAST OF MICHOACAN, MEXICO.
16	10 45 28.4	15.1 S	173.2 W	33	4.5	TONGA ISLANDS.
16	12 00 22.9	10.8 S	161.3 E	39	4.7	SOLOMON ISLANDS.
16	12 27 50.2	1.5 S	80.6 W	32	4.1	NEAR COAST OF ECUADOR.
16	13 17 45*	10.3 S	161.1 E	33	4.9	SOLOMON ISLANDS.
16	13 22 01*	53.4 N	167.5 W	33	3.8	FOX ISLANDS, ALEUTIAN ISLANDS.
16	14 31 28.1	10.3 S	160.8 E	30	4.9	SOLOMON ISLANDS.
16	14 50 03*	17.5 S	179.1 W	541	4.0	FIJI ISLANDS REGION.
16	15 29 52*	53.3 N	167.4 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
16	16 36 56.7	10.1 S	160.5 E	33	4.6	SOLOMON ISLANDS.
16	16 46 49.9	29.3 S	71.5 W	51	4.4	NEAR COAST OF CENTRAL CHILE.
16	16 55 28.5	7.0 S	107.8 E	148	4.9	JAVA.
16	17 05 23.8	71.5 N	2.8 W	33	4.7	JAN MAYEN ISLAND REGION.
16	17 21 04.7	10.2 S	160.9 E	41	4.6	SOLOMON ISLANDS.
16	18 01 02.5	12.8 N	44.5 W	34	4.7	NORTH ATLANTIC RIDGE.
16	18 39 46.2	10.6 S	161.4 E	33	4.6	SOLOMON ISLANDS.
16	19 21 13.2	9.5 N	126.7 E	33	4.8	MINDANAO, PHILIPPINE ISLANDS.
16	19 27 55.9	18.9 S	177.8 W	586	4.1	FIJI ISLANDS REGION.
16	20 32 25.2	21.9 S	67.2 W	190	5.5	CHILE-BOLIVIA BORDER REGION.
16	21 02 37*	51.4 N	178.3 W	33	4.6	ANDREANOF ISLANDS, ALEUTIAN IS.
16	22 30 04.7	26.1 S	70.7 E	33	5.1	SOUTH INDIAN OCEAN.
17	00 45 04.1	10.4 S	160.7 E	40	5.3	SOLOMON ISLANDS. MAG. 4.8-5.2 (BRK).
17	01 14 02.2	18.5 N	68.8 W	110	4.6	MONA PASSAGE.
17	04 40 03.5	10.7 S	161.3 E	39	4.2	SOLOMON ISLANDS.
17	06 50 27.3	18.8 S	177.8 W	500	4.3	FIJI ISLANDS REGION.
17	08 48 33.4	42.4 N	142.9 E	67	4.8	HOKKAIDO, JAPAN REGION.
17	10 04 01.9	21.9 S	178.8 W	538	4.7	FIJI ISLANDS REGION.
17	10 22 03*	51.5 N	174.4 E	58	3.9	NEAR ISLANDS, ALEUTIAN ISLANDS.
17	11 46 00.9	36.4 N	70.8 E	179		HINDU KUSH REGION.
17	11 47 36.8	10.5 S	161.1 E	20	5.1	SOLOMON ISLANDS.
17	12 04 20.4	10.2 S	160.3 E	47	4.5	SOLOMON ISLANDS.
17	13 05 39*	16.1 N	99.1 W	33	3.6	NEAR COAST OF GUERRERO, MEXICO.
17	13 20 31.9	22.1 S	179.7 E	598	4.5	SOUTH OF FIJI ISLANDS.
17	15 06 28.0	6.3 S	146.7 E	90	5.4	EAST NEW GUINEA REGION.
17	18 31 54.6	0.8 N	29.9 E	33	5.0	REPUBLIC OF THE CONGO.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
17	22 26 04.2	10.2 S	161.1 E	34	5.4	SOLOMON ISLANDS. FELT AT HONIARA.
17	22 52 27.3	24.8 N	122.4 E	73	4.7	TAIWAN REGION.
18	00 30 01.0	2.8 S	141.6 E	33	5.0	NEAR NORTH COAST OF NEW GUINEA.
18	02 13 59.2	10.3 S	160.7 E	15	4.7	SOLOMON ISLANDS.
18	03 42 19.4	56.2 S	27.1 W	115	4.8	SOUTH SANDWICH ISLANDS REGION.
18	05 21 06.0	29.5 S	29.3 E	18		REPUBLIC OF SOUTH AFRICA. FELT IN NATAL PROVINCE AND IN BASUTOLAND.
18	05 43 16*	15.1 S	75.6 W	100	4.0	NEAR COAST OF PERU.
18	06 03 51*	40.5 N	121.4 W	15	4.1	NORTHERN CALIFORNIA.
18	06 31 41.0	63.3 N	149.3 W	108	3.9	CENTRAL ALASKA.
18	08 11 10.9	10.0 S	160.9 E	33	4.9	SOLOMON ISLANDS.
18	08 24 34.7	10.2 S	160.9 E	13	4.5	SOLOMON ISLANDS.
18	09 40 01*	10.0 S	161.0 E	33	4.3	SOLOMON ISLANDS.
18	09 56 41*	22.1 S	67.9 W	127	3.9	CHILE-BOLIVIA BORDER REGION.
18	12 19 53.9	10.1 S	160.8 E	33	4.5	SOLOMON ISLANDS.
18	14 20 32*	23.1 N	125.6 E	58	4.5	SOUTHWESTERN RYUKYU ISLANDS.
18	15 46 21.0	18.0 S	178.5 W	603	4.4	FIJI ISLANDS REGION.
18	16 57 03*	16.6 N	99.5 W	33	3.8	NEAR COAST OF GUERRERO, MEXICO.
18	19 15 26.7	3.3 S	143.2 E	30	5.2	NEAR NORTH COAST OF NEW GUINEA.
18	21 54 52.2	18.4 S	175.5 W	281	4.3	TONGA ISLANDS.
19	00 07 57.0	59.4 N	137.6 W	14	4.4	SOUTHEASTERN ALASKA.
19	00 14 15.2	10.6 S	160.9 E	37	5.2	SOLOMON ISLANDS.
19	00 54 52.8	0.8 N	29.8 E	33	5.0	REPUBLIC OF THE CONGO.
19	01 10 49.9	37.6 N	21.8 E	46		SOUTHERN GREECE.
19	04 12 10.6	46.2 N	14.2 E	11	3.7	YUGOSLAVIA.
19	07 38 22.3	42.7 N	111.4 W	33		EASTERN IDAHO.
19	07 52 18.9	8.8 S	149.5 E	38	5.4	EAST NEW GUINEA REGION.
19	09 58 36.8	10.0 S	160.8 E	33	4.6	SOLOMON ISLANDS.
19	10 14 46*	44.8 N	99.6 E	33	4.7	MONGOLIA.
19	12 56 14.3	63.3 N	151.4 W	136	4.3	CENTRAL ALASKA.
19	15 40 48.1	14.8 S	75.8 W	33	5.1	NEAR COAST OF PERU.
19	17 55 30.6	38.6 N	27.2 E	15	4.6	TURKEY. ONE INJURED. MINOR DAMAGE NEAR IZMIR AND MENEMEN.
19	18 56 20*	46.1 N	143.8 E	235	4.4	SAKHALIN ISLAND.
19	19 12 49.7	22.6 N	121.0 E	46		TAIWAN REGION.
19	19 28 43.1	51.7 N	176.2 W	54	5.3	ANDREANOF ISLANDS, ALEUTIAN IS.
19	20 12 34*	21.1 S	178.7 W	585	3.9	FIJI ISLANDS REGION.
19	20 20 27.6	14.1 N	60.3 W	86	3.8	WINDWARD ISLANDS.
19	22 03 58*	22.2 S	68.1 W	127	4.0	NORTHERN CHILE.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
19	22 33 18*	7.2 N	73.1 W	117	3.8	NORTHERN COLOMBIA.
19	22 43 48.6	50.7 N	177.5 E	13	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
20	00 30 21*	14.4 S	75.6 W	59	4.2	NEAR COAST OF PERU.
20	01 24 13.7	51.5 N	178.5 W	34	5.1	ANDREANOF ISLANDS, ALEUTIAN IS.
20	02 52 28*	23.2 S	66.6 W	248	3.8	JUJUY PROVINCE, ARGENTINA.
20	04 10 41.5	1.4 N	66.8 E	33	5.2	CARLSBERG RIDGE.
20	04 31 33.7	41.6 N	141.9 E	75	4.8	HOKKAIDO, JAPAN REGION.
20	04 45 33.1	11.0 S	166.9 E	117	4.3	SANTA CRUZ ISLANDS.
20	05 55 52*	51.3 N	178.7 W	33	4.1	ANDREANOF ISLANDS, ALEUTIAN IS.
20	06 08 20.6	18.0 N	68.5 W	60	4.2	MONA PASSAGE.
20	07 57 02.0	11.2 N	69.3 W	33	4.4	NEAR COAST OF VENEZUELA.
20	08 52 00.9	16.4 S	172.8 W	14	4.8	SAMOA ISLANDS REGION.
20	09 38 16.2	4.1 S	104.3 W	33	4.5	NORTHERN EASTER I. CORDILLERA.
20	11 01 44*	17.3 S	72.5 W	33	4.3	NEAR COAST OF PERU.
20	12 16 45*	37.7 N	73.8 E	231	4.8	TADZHIK SSR.
20	13 42 56.5	28.7 N	76.9 E	34	4.7	NORTHERN INDIA.
20	19 08 59.0	20.9 S	174.0 W	33	4.4	TONGA ISLANDS.
20	19 58 54*	38.0 N	117.9 W	5		NEVADA. MAG. 3.4-3.7 (BRK).
20	20 05 43.4	50.6 N	157.4 E	40	4.6	KURILE ISLANDS.
20	22 00 05.4	10.8 S	161.5 E	13	4.8	SOLOMON ISLANDS.
20	23 49 13.3	35.8 S	72.2 W	47	4.3	NEAR COAST OF CENTRAL CHILE.
21	00 43 11.0	10.9 S	165.3 E	8	5.2	SANTA CRUZ ISLANDS. MAG. 4.9-5.3 (BRK).
21	03 04 10*	34.5 N	139.1 E	39	4.0	NEAR S. COAST OF HONSHU, JAPAN.
21	03 50 20.5	28.6 N	142.6 E	22	4.8	BONIN ISLANDS REGION.
21	05 24 38*	36.9 N	107.1 W	5	4.2	NEW MEXICO.
21	07 11 54*	20.2 S	174.3 W	33	4.8	TONGA ISLANDS.
21	09 46 20.8	34.6 N	120.6 W	4	3.9	SOUTHERN CALIFORNIA. MAG. 4.1 (PAS), 4.5-4.7 (BRK). FELT AT GUADALUPE, ORCUTT, SANTA MARIA, AND GAVIOTA.
21	11 27 43*	20.3 S	176.8 W	150	3.8	FIJI ISLANDS REGION.
21	12 51 23.0	4.3 S	77.0 W	104	4.5	NORTHERN PERU.
21	12 58 59.4	57.9 S	25.7 W	11	5.3	SOUTH SANDWICH ISLANDS REGION.
21	13 05 17.2	36.8 N	138.0 E	33	4.1	HONSHU, JAPAN.
21	13 32 49.6	5.2 S	144.6 E	50	5.4	NEW GUINEA.
21	15 47 42.6	42.1 N	142.5 E	71	4.7	HOKKAIDO, JAPAN REGION.
21	16 18 18.0	5.3 S	145.5 E	92	4.7	EAST NEW GUINEA REGION.
21	18 11 41.5	16.2 N	94.7 W	53	4.9	OAXACA, MEXICO. FELT AT TEHUANTEPEC AND ZACATEPEC MIXES.
21	19 20 25.9	11.9 S	166.3 E	60	5.5	SANTA CRUZ ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
21	19 46 45.1	36.5 N	70.7 E	182	4.7	HINDU KUSH REGION.
21	19 54 29*	6.1 N	82.4 W	33	4.4	SOUTH OF PANAMA.
21	20 52 04*	44.2 N	147.2 E	115	4.3	KURILE ISLANDS.
21	23 06 29.4	50.1 N	157.8 E	40	5.5	KURILE ISLANDS. MAG. 5 1/4-5 1/2 (PAL).
21	23 37 29.8	56.0 S	27.8 W	95	5.1	SOUTH SANDWICH ISLANDS REGION.
22	00 07 28.0	22.4 S	70.6 W	32	4.1	NEAR COAST OF NORTHERN CHILE.
22	01 49 53.5	17.5 S	167.2 E	17	5.0	NEW HEBRIDES ISLANDS.
22	02 00 23*	23.9 S	179.7 E	649	4.3	SOUTH OF FIJI ISLANDS.
22	05 51 53*	34.3 S	103.2 W	33	4.2	WEST CHILE RISE.
22	07 11 01.7	14.7 N	92.0 W	93	4.8	NEAR COAST OF CHIAPAS, MEXICO. MAG. 4 3/4 (PAL).
22	08 04 33.0	52.9 N	168.2 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
22	11 05 31*	73.3 N	7.6 E	33	4.1	GREENLAND SEA.
22	11 38 50.7	61.3 N	147.7 W	28	5.2	SOUTHERN ALASKA. MAG. 5-5 1/4 (PAL). FELT AT ANCHORAGE.
22	13 22 55.3	53.0 N	159.7 E	33	4.0	NEAR EAST COAST OF KAMCHATKA.
22	15 16 50*	2.1 N	101.9 W	33	4.4	EAST CENTRAL PACIFIC OCEAN.
22	15 45 46*	6.8 S	104.8 E	33		SUNDA STRAIT.
22	17 46 35.3	11.5 S	166.5 E	78	4.4	SANTA CRUZ ISLANDS.
22	18 50 41.2	45.7 N	149.6 E	151	5.0	KURILE ISLANDS.
22	19 13 48.6	6.4 S	146.4 E	121		EAST NEW GUINEA REGION.
22	20 29 06.1	7.2 S	124.7 E	537	6.2	BANDA SEA.
22	21 30 54*	33.3 S	69.8 W	32	4.3	CHILE-ARGENTINA BORDER REGION. FELT AT SANTIAGO.
23	00 20 17.8	17.2 S	70.3 W	152	4.2	NEAR COAST OF PERU.
23	00 46 42.4	44.5 N	111.3 W	33	3.7	HEBGEN LAKE REGION.
23	05 01 43.7	43.9 N	140.0 E	224	5.4	EASTERN SEA OF JAPAN.
23	05 39 17.7	38.5 N	139.5 E	147	4.6	NEAR WEST COAST OF HONSHU, JAPAN.
23	07 03 53.2	36.2 N	66.7 E	22		HINDU KUSH REGION.
23	09 01 48.1	13.4 N	90.3 W	33	4.0	NEAR COAST OF GUATEMALA.
23	09 10 37*	25.1 S	116.5 W	33	4.2	EASTER ISLAND CORDILLERA.
23	09 37 04.4	14.1 S	22.2 E	33	5.3	ZAMBIA.
23	13 06 26*	53.5 N	167.5 W	17	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
23	13 33 36.8	14.6 N	91.3 W	33	4.2	GUATEMALA.
23	17 42 04.0	36.4 N	71.3 E	105	4.3	AFGHANISTAN-USSR BORDER REGION.
23	18 15 54*	35.6 N	33.6 E	104		CYPRUS.
23	18 50 33*	15.9 N	60.4 W	33		LEEWARD ISLANDS.
23	21 51 55.2	38.1 N	141.5 E	71	5.1	NEAR EAST COAST OF HONSHU, JAPAN.
24	02 57 02.0	6.3 S	155.1 E	149	5.1	SOLOMON ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
24	07 05 19.3	36.6 N	71.5 E	193	4.3	AFGHANISTAN-USSR BORDER REGION.
24	07 24 27*	5.3 S	146.9 E	181		EAST NEW GUINEA REGION.
24	08 17 49.4	26.8 S	177.3 W	147	5.2	SOUTH OF FIJI ISLANDS.
24	12 00 01*	8.5 N	70.7 W	33	3.9	VENEZUELA.
24	13 47 50.0	24.2 S	178.7 E	619	4.3	SOUTH OF FIJI ISLANDS.
24	15 06 51*	43.3 N	13.1 E	33		CENTRAL ITALY.
24	17 02 04.5	32.1 S	78.8 E	33		MID-INDIAN RISE.
24	20 00 06.8	6.9 N	73.1 W	138	4.7	NORTHERN COLOMBIA.
24	21 42 49.2	36.5 N	120.8 W	12		CENTRAL CALIFORNIA. MAG. 3 1/2-3 3/4 (PAS). 2.9 (BRK). HYPOCENTER BY BERKELEY.
24	22 34 25.0	38.8 N	21.5 E	27	4.8	GREECE. FELT IN CENTRAL GREECE AND PELOPONNESUS.
24	22 59 56*	31.5 N	114.1 W	33	4.3	GULF OF CALIFORNIA.
25	01 46 09.9	29.6 N	142.1 E	45	5.5	SOUTH OF HONSHU, JAPAN. MAG. 5.1-5.4 (BRK).
25	10 32 07.6	19.7 S	169.5 E	199	4.8	NEW HEBRIDES ISLANDS.
25	11 52 16.7	32.6 N	48.7 E	36	4.7	WESTERN IRAN.
25	12 05 03.8	30.5 N	82.3 E	46	5.1	TIBET.
25	13 16 49.9	29.3 N	141.9 E	41	4.1	SOUTH OF HONSHU, JAPAN.
25	16 01 17.1	10.2 S	161.1 E	37	5.5	SOLOMON ISLANDS.
25	17 13 00.073					37° 09′ 09″ N. 116° 04′ 20″ W. NEVADA TEST SITE. "VULCAN". SHOT ELEVATION 961.3 METERS (AEC).
25	17 24 39.2	13.9 N	91.1 W	103	5.1	NEAR COAST OF GUATEMALA. FELT AT SAN SALVADOR, EL SALVADOR.
25	18 38 35.5	5.0 S	151.3 E	123	5.3	NEW BRITAIN REGION.
25	21 32 10.8	53.2 N	171.0 E	33	4.5	NEAR ISLANDS, ALEUTIAN ISLANDS.
25	21 56 58*	14.0 N	91.7 W	33	3.8	GUATEMALA.
25	23 17 06.3	15.9 N	96.5 W	51	4.6	NEAR COAST OF OAXACA, MEXICO. MAG. 4.5 (BRK).
26	05 52 56*	12.3 N	88.7 W	33	3.8	OFF COAST OF CENTRAL AMERICA.
26	06 49 18.2	21.3 S	174.2 W	35	4.8	TONGA ISLANDS.
26	07 34 59.0	36.5 N	138.0 E	73	4.5	HONSHU, JAPAN. SLIGHT DAMAGE AT WAKANA.
26	08 48 08*	40.1 N	28.9 E	33		TURKEY.
26	10 08 17*	40.1 N	28.9 E	33		TURKEY.
26	10 37 10*	30.7 S	67.6 W	102	3.9	SAN JUAN PROVINCE, ARGENTINA.
26	10 56 08.8	26.2 N	92.8 E	49	4.8	EASTERN INDIA.
26	11 59 44.2	44.3 N	103.4 W	33	3.9	SOUTH DAKOTA. FELT IN BLACK HILLS REGION.
26	13 17 00.2	37.0 N	35.9 E	45	4.5	TURKEY. FELT AT ADANA AND ISLAHIYE.
26	17 45 09.7	9.3 S	111.7 E	33	5.3	SOUTH OF JAVA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
26	18 41 41*	36.9 N	107.2 W	5		NEW MEXICO.
26	23 30 50.8	31.9 N	104.5 E	27	5.2	SZECHWAN PROVINCE, CHINA.
27	04 11 03*	52.1 N	179.6 W	38	4.4	ANDREANOF ISLANDS, ALEUTIAN IS.
27	05 16 03*	43.2 N	13.3 E	33	3.8	CENTRAL ITALY.
27	06 04 30.0	38.5 N	122.6 W	18	3.6	NORTHERN CALIFORNIA. MAG. 3.1 (BRK). FELT IN SONOMA COUNTY.
27	06 28 05*	21.4 S	170.0 E	43	4.9	LOYALTY ISLANDS REGION.
27	07 40 20*	38.7 N	119.8 W	20		CALIFORNIA-NEVADA BORDER REGION. MAG. 3.6 (BRK). FELT AT SMITH AND WELLINGTON, NEVADA, AND COLEVILLE AND TOPAZ, CALIFORNIA.
27	08 29 34.0	19.3 N	108.1 W	33	4.4	REVILLA GIGEDO ISLANDS REGION.
27	08 38 44.1	22.7 S	175.6 W	41	5.3	TONGA ISLANDS REGION.
27	09 25 20.3	19.2 N	108.2 W	33	3.8	REVILLA GIGEDO ISLANDS REGION.
27	10 16 08.7	38.8 S	175.3 E	237		NORTH ISLAND, NEW ZEALAND.
27	10 41 07.8	29.6 N	80.9 E	33	6.0	NEPAL-INDIA BORDER REGION. MAG. 6 3/4 (PAS), 6 1/4-6 1/2 (PAL). 150 KILLED, MANY INJURED, AND MAJOR PROPERTY DAMAGE AT BAITADI, DARCHULA, AND CHAINPUR, NEPAL.
27	10 47 45*	29.5 N	80.9 E	43	5.3	NEPAL-INDIA BORDER REGION.
27	10 49 46.0	29.6 N	80.9 E	16	5.9	NEPAL-INDIA BORDER REGION.
27	10 59 14.1	29.7 N	81.0 E	13	6.0	NEPAL-INDIA BORDER REGION. MAG. 6 (PAS), 6 1/2-6 3/4 (PAL).
27	11 21 43.3	29.7 N	80.9 E	33	5.3	NEPAL-INDIA BORDER REGION.
27	12 14 01.5	16.6 S	173.8 W	29	4.6	TONGA ISLANDS.
27	13 31 36*	55.8 S	27.1 W	33	4.4	SOUTH SANDWICH ISLANDS REGION.
27	13 55 49.8	29.7 N	80.9 E	19	5.4	NEPAL-INDIA BORDER REGION.
27	18 11 37.8	15.8 S	167.1 E	15	4.4	NEW HEBRIDES ISLANDS.
27	20 02 26*	52.2 N	175.7 W	33	3.9	ANDREANOF ISLANDS, ALEUTIAN IS.
27	21 47 11.8	38.1 S	177.1 E	114	5.5	NORTH ISLAND, NEW ZEALAND.
27	22 14 29*	20.8 S	176.0 W	291	3.9	FIJI ISLANDS REGION.
27	22 44 22.4	7.3 N	125.0 E	39	5.2	MINDANAO, PHILIPPINE ISLANDS.
28	00 01 32.9	45.6 N	26.4 E	158	4.2	RUMANIA.
28	00 59 54.4	12.6 S	167.1 E	233	5.2	SANTA CRUZ ISLANDS.
28	01 00 31.5	35.9 N	120.5 W	16	3.9	CENTRAL CALIFORNIA. MAG. 3.5 (PAS), 3.0 (BRK).
28	01 49 59.7	5.6 S	146.4 E	34	5.0	EAST NEW GUINEA REGION.
28	04 08 54.8	35.9 N	120.6 W	6	4.9	CENTRAL CALIFORNIA. MAG. 4.7 (PAS), 5.3 (BRK), 5 1/4 (PAL).
28	04 18 34.0	35.9 N	120.5 W	15		CENTRAL CALIFORNIA. MAG. 3.2 (PAS), 2.5 (BRK).

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
28	04 26 12.0	35.8 N	120.6 W	7	5.3	CENTRAL CALIFORNIA. MAG. 5.6 (PAS), 5.5 (BRK), 6 1/2 (PAL). SLIGHT DAMAGE AT PARKFIELD, SAN LUIS OBISPO, AND SAN MIGUEL. SURFACE FAULTING ON SAN ANDREAS FOR 35 KILOMETERS. FELT OVER 20,000 SQUARE MILES.
28	04 32 51.6	34.7 N	120.3 W	16		CENTRAL CALIFORNIA. MAG. 3.1 (PAS), 3.5 (BRK).
28	04 35 02.3	35.8 N	120.4 W	16		CENTRAL CALIFORNIA. MAG. 4.1 (PAS), 3.5 (BRK).
28	04 39 06.2	35.8 N	120.4 W	13		CENTRAL CALIFORNIA. MAG. 3.5 (PAS), 3 (BRK).
28	04 46 23.0	35.9 N	120.3 W	16		CENTRAL CALIFORNIA. MAG. 3.1 (PAS), 2.5 (BRK).
28	05 01 00.0	35.9 N	120.4 W	3	4.0	CENTRAL CALIFORNIA. MAG. 3.6 (PAS), 3.1 (BRK).
28	05 46 00.0	35.8 N	120.4 W	10	4.1	CENTRAL CALIFORNIA. MAG. 3.7 (PAS), 3.2 (BRK).
28	06 32 17.6	35.9 N	120.5 W	18		CENTRAL CALIFORNIA. MAG. 3.8 (PAS), 3.4 (BRK).
28	07 40 59.1	10.9 S	164.5 E	33	4.3	SANTA CRUZ ISLANDS REGION.
28	07 45 50*	35.9 N	120.4 W	16		CENTRAL CALIFORNIA. MAG. 3.0 (PAS), 2.5-3.0 (BRK).
28	11 39 03.9	10.3 S	161.3 E	48	5.3	SOLOMON ISLANDS.
28	12 19 25*	7.5 S	128.1 E	162	4.6	BANDA SEA.
28	13 48 17.3	35.7 N	120.3 W	2		CENTRAL CALIFORNIA. MAG. 3.3 (PAS), 2.7 (BRK).
28	15 35 02*	52.0 N	178.4 W	76	4.0	ANDREANOF ISLANDS, ALEUTIAN IS.
28	15 43 41*	29.6 N	80.9 E	48	5.2	NEPAL-INDIA BORDER REGION.
28	16 21 17*	16.0 N	60.7 W	33		LEEWARD ISLANDS.
28	16 47 49.3	27.0 N	126.0 E	100	5.0	NORTHEAST OF TAIWAN.
28	17 01 01.0	38.7 N	27.2 E	33		TURKEY. FELT AT IZMIR.
28	20 46 56.9	35.8 N	120.4 W	16		CENTRAL CALIFORNIA. MAG. 3.4 (PAS), 2.9 (BRK).
28	22 07 09*	21.2 S	68.5 W	134	4.2	CHILE-BOLIVIA BORDER REGION.
28	22 57 01.5	24.7 N	121.6 E	20	4.8	TAIWAN.
28	23 57 23.1	35.8 N	120.4 W	18		CENTRAL CALIFORNIA. MAG. 3.4 (PAS), 3.0 (BRK).
29	00 36 15.6	2.2 S	77.8 W	154	3.8	PERU-ECUADOR BORDER REGION.
29	00 42 09.3	29.8 N	81.0 E	15	5.3	NEPAL.
29	00 49 36.9	41.4 N	20.6 E	34	4.3	ALBANIA.
29	02 19 39.2	35.9 N	120.5 W	16	4.2	CENTRAL CALIFORNIA. MAG. 4.1 (PAS), 3.6 (BRK).
29	02 40 00.8	22.2 S	179.7 W	600	4.1	SOUTH OF FIJI ISLANDS.
29	06 57 58.0	49.9 N	78.0 E	0	5.6	EASTERN KAZAKH SSR.
29	07 24 01*	40.3 N	123.8 W	33		NORTHERN CALIFORNIA. MAG. 3.1 (BRK).
29	07 38 13*	19.4 S	174.2 W	42	4.5	TONGA ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
29	08 55 51.9	35.8 N	120.5 W	12	3.7	CENTRAL CALIFORNIA. MAG. 3.2 (PAS). 2.9 (BRK).
29	09 00 32*	41.4 N	69.1 E	5		KIRGIZ SSR. FELT AT TASHKENT.
29	13 11 58.5	35.7 N	120.4 W	16	3.7	CENTRAL CALIFORNIA. MAG. 3.8 (PAS), 3.2 (BRK).
29	15 12 07.3	19.0 S	169.5 E	54		NEW HEBRIDES ISLANDS.
29	19 53 23.0	35.8 N	120.5 W	1	5.0	CENTRAL CALIFORNIA. MAG. 4.8 (PAS), 5.1 (BRK). FELT AT BAKERSFIELD, COALINGA, AND FRESNO.
29	21 46 55.7	13.8 S	166.7 E	47	6.1	NEW HEBRIDES ISLANDS. MAG. 5.4-5.8 (BRK).
29	22 51 23.5	24.2 N	122.5 E	40	5.1	TAIWAN REGION.
30	01 17 34.9	35.8 N	120.4 W	15	4.3	CENTRAL CALIFORNIA. MAG. 4.3 (PAS), 4.0-4.5 (BRK).
30	03 55 55.8	20.0 S	178.6 W	610	3.5	FIJI ISLANDS REGION.
30	06 06 45.0	21.2 S	176.2 W	196	4.3	FIJI ISLANDS REGION.
30	07 49 42*	5.7 S	146.8 E	61	4.7	EAST NEW GUINEA REGION.
30	08 48 10.4	17.7 N	94.5 W	110	3.6	CHIAPAS, MEXICO.
30	08 59 50.5	43.5 N	132.3 E	485	5.2	NEAR E. COAST OF EASTERN RUSSIA.
30	09 25 41*	43.6 N	147.2 E	33	4.4	KURILE ISLANDS.
30	09 52 12.5	35.8 N	141.2 E	69	3.8	NEAR EAST COAST OF HONSHU, JAPAN.
30	10 39 00.8	11.9 N	85.9 W	187	4.0	NICARAGUA.
30	10 49 52.4	6.8 S	76.8 W	21	4.8	NORTHERN PERU.
30	12 27 41.8	9.6 N	126.5 E	40	5.4	MINDANAO, PHILIPPINE ISLANDS.
30	15 45 27.0	24.3 N	122.1 E	55	5.3	TAIWAN REGION. FELT AT TAIPEI.
30	16 57 23.4	15.5 S	177.3 W	33	4.8	FIJI ISLANDS REGION.
30	17 07 10*	51.9 N	179.7 W	36	4.6	ANDREANOF ISLANDS, ALEUTIAN IS.
30	19 21 26.9	41.1 N	20.5 E	9	4.4	ALBANIA.
30	22 15 00.07					37° 18' 57" N. 116° 17' 56" W. NEVADA TEST SITE. "HALFBEAK". SHOT ELEVATION 1190.9 METERS (AEC).

Date and Station	Phase (GCT) h m s
JUN 1	
GUA IP	00 00 18.0
IS	00 41.0
JUN 1	
COL E(P)	00 11 05.7
BMO EP	00 12 36.1
E	12 48.1
JUN 1	
SJG I(P)	00 26 50.2
I	27 13.5
JUN 1	
EUR IP	00 29 28.0
JUN 1	
BOZ EP	01 45 40.8
EL	46 09.0
JUN 1	
COL EP	01 48 35.0
JUN 1	
H-02 33 57.1	
51.5N 176.3E	
h ABOUT 17KM	
ADK IP	02 35 05.0
COL EP	02 39 00.3
E(S)	43 26.0
BRW EP	02 39 04.4
EPCP	42 51.9
BMO EP	02 42 00.3
HHM E(P)	02 42 05.0
BOZ EP	02 42 21.8
EUR EP C	02 42 31.6
BCN E(P)	02 42 55.5
TUC EP	02 43 30.0
ALQ EP	02 43 37.0
SJG EP	02 47 06.8
JUN 1	
HHM E(P)	02 47 36.6
BMO E(P)	02 47 37.1
JUN 1	
EUR IP	02 53 23.5
JUN 1	
H-03 48 49.2	
5.8S 151.3E	
h ABOUT 60KM	
GUA EP	03 53 22.0
COL IP	04 01 09.5
BMO EP	04 02 07.2
EUR IP	04 02 11.8
HHM EP	04 02 17.1
BOZ EP	04 02 26.0
JUN 1	
BMO EP	06 04 55.2
JUN 1	
BMO EP	06 05 16.0
JUN 1	
SLD EP	07 22 58.5
IS	23 18.8
EUR EP	07 23 31.5
JUN 1	
H-10 14 44.2	
13.8S 166.6E	
h ABOUT 58KM	
COL EP	10 27 16.0
BRW EP	10 27 31.6
BCN EP	10 27 34.0
BMO EP	10 27 37.5
E	28 13.6
EUR E(P)	10 27 37.5
TUC E(P)	10 27 44.3
JUN 1	
H-10 27 40.7	
51.4N 177.2E	
h ABOUT 33KM	
ADK IP	10 28 40.5
COL EP	10 32 39.3
BRW IP	10 32 45.6
BMO EP	10 35 36.4
E	35 58.1
BOZ E(P)	10 36 00.0
EUR IP	10 36 10.0
JUN 1	
H-11 47 32.7	
23.5S 174.8W	
h ABOUT 22KM	
GUA EP	11 56 58.0
ES	12 04 31.0
SLD EP	11 59 35.0
BCN EP	11 59 52.6
TUC IP D	11 59 56.1
E(S)	12 10 18.0
EUR IP D	11 59 59.8
I	12 00 20.0
GCA IP D	12 00 07.5
BMO EP	12 00 11.8
E	00 31.8
ALQ IP	12 00 18.5
I	15 32.6
HHM EP	12 00 28.6
BOZ IP D	12 00 30.0
I	00 48.2
ES	11 26.0
EPKKP	18 07.5
EP'P'	26 13.5
COL IP D	12 00 33.7
I	00 47.5
ES	11 31.0
BRW EP	12 00 56.2
JUN 1	
ALQ IP	12 04 25.5
I	04 45.5
JUN 1	
TUC E(P)	12 06 40.5
JUN 1	
H-12 18 19.3	
25.1S 064.8W	
h ABOUT 33KM	
BMO E(P)	12 30 52.1
JUN 1	
EUR IP	12 28 59.0
IL	29 30.0
SLD EP	12 29 04.0
IL	29 39.4
BCN E(P)	12 29 04.7
I	29 10.1
IL	29 49.0
JUN 1	
H-12 34 30.2	
15.2S 167.3E	
h ABOUT 63KM	
BCN EP	12 47 21.4
BRW FP	12 47 22.2
EUR IP C	12 47 22.8
EpP	47 39.2
EPP	50 55.0
BMO EP	12 47 26.0
E	47 51.6
TUC E(P)	12 47 30.3
E	47 55.7
BOZ EP	12 47 43.0
ALQ IP	12 47 49.0
SJG EP'	12 53 31.4
JUN 1	
COL E(P)	12 46 38.0
JUN 1	
COL EP	13 01 14.6
JUN 1	
EUR EP	13 16 25.2
IL	16 57.2
JUN 1	
H-13 52 18.2	
61.3N 146.2W	
h ABOUT 51KM	
COL EP	13 53 14.7
I	53 16.8
IL	54 04.3
BRW E(P)	13 54 48.8
HHM E(P)	13 57 11.1
BMO E(P)	13 57 25.0
BOZ EP	13 57 43.5
JUN 1	
COL EP	15 02 53.5
JUN 1	
BOZ E(P)	16 23 08.0
JUN 1	
H-17 17 12.9	
36.9N 107.0W	
h ABOUT 5KM	
ALQ IP	17 17 48.5
IS	18 13.5
TUC E(P)	17 18 45.5
EUR IP	17 19 05.0
JUN 1	
ALQ IP	17 21 39.0
IS	22 03.0
JUN 1	
H-18 18 29.4	
16.5S 073.4W	
h ABOUT 82KM	
BOZ E(P)	18 29 38.5
BMO EP	18 29 52.8
JUN 1	
GCA IP C	19 15 04.3
IS	15 19.2
JUN 1	
BOZ E(P)	21 12 14.0
EL	13 13.0
JUN 1	
ALQ EP	21 32 11.0
JUN 1	
ALQ IP	22 28 51.0
IS	29 32.5
JUN 1	
H-22 52 10.9	
56.4S 027.8W	
h ABOUT 126KM	
BMO EP'	23 10 56.1

Date and Station	Phase	Phase (GCT) h m s
COL	EP'	23 11 44.0
	I	11 53.3
JUN 2		
BMO	E(P)	00 01 22.9
HHM	EP	00 01 26.1
EUR	EP	00 01 35.7
JUN 2		
BOZ	EP	01 33 29.5
	EL	35 22.0
JUN 2		
HON	IP	01 48 52.0
KIP	IP	01 48 52.2
JUN 2		
H-02 44 56.3		
19.3S 167.8E		
h ABOUT 33KM		
COL	EP	02 57 54.0
EUR	IP	02 58 03.6
BMO	E(P)	02 58 07.0
TUC	E(P)	02 58 08.6
BRW	EP	02 58 11.3
JUN 2		
SJG	EP	03 01 07.3
	IL	01 41.0
JUN 2		
H-03 14 16.7		
23.7S 174.9W		
h ABOUT 38KM		
EUR	E(P)	03 26 46.3
JUN 2		
H-03 27 50.0		
51.1N 176.0E		
h ABOUT 16KM		
ADK	IP	03 29 01.3
	IS	29 52.3
COL	IP D	03 32 56.4
	I	33 10.1
	IS	37 08.0
BRW	IP D	03 33 01.7
	I	33 16.0
	IPCP	36 46.1
	ESCP	40 22.1
KIP	IP	03 34 51.5
UKI	E(P)	03 35 54.0
HHM	IP	03 35 55.8
	I	36 10.8
	IPCP	37 42.8
	IS	42 21.8
BMO	IP	03 35 56.1
	E	36 09.8
	EP'P'	04 07 05.8
SLD	EP	03 36 14.0
	E	36 26.5
BOZ	IP D	03 36 19.0
	I	36 33.0
	ES	43 05.0
EUR	IP D	03 36 27.5
	I	36 41.0
	IPP	38 30.5
	IS	43 22.5
	EP'P'	04 07 14.3
SLC	IP	03 36 40.2
	I	36 52.3
	I	37 31.3
BCN	IP D	03 36 49.7
	I	37 03.2
GCA	EP	03 36 59.0
	I	37 13.0
TUC	IP D	03 37 25.7
	E	37 40.0
	ES	45 10.0
ALQ	IP	03 37 32.4
	I	37 45.0
WSC	IP	03 39 02.2
	I	39 15.5
CSC	IP D	03 39 12.3
	E	39 25.3
	ES	48 30.0
SJG	EP	03 41 01.8
	EpP	41 13.5
	EsP	41 17.8
JUN 2		
COL	EP	04 01 00.0
JUN 2		
EUR	E(P)	05 11 18.4
JUN 2		
COL	EP	05 18 04.0
JUN 2		
COL	IP	06 32 24.3
JUN 2		
H-06 59 04.0		
12.1S 166.4E		
h ABOUT 81KM		
EUR	E(P)	07 11 47.4
JUN 2		
H-07 08 11.0		
.1N 123.3E		
h ABOUT 211KM		
BRW	EP C	07 20 33.2
	E	21 06.0
COL	EP	07 20 44.6
	E	20 47.2
BMO	EP'	07 26 20.8
	EPKKP	37 32.1
HHM	EP'	07 26 22.0
EUR	IP'	07 26 27.2
	EPKKP	37 12.7
BOZ	IP'	07 26 27.6
	EPP	27 19.0
	EPKKP	37 17.5
BCN	EP'	07 26 32.2
TUC	EP'	07 26 40.0
ALQ	IP'	07 26 44.5
CSC	EP'	07 27 15.2
SJG	EP'	07 27 47.5
	IpP'	28 28.0
JUN 2		
BMO	E(P)	07 22 21.1
JUN 2		
H-07 42 09.3		
36.8S 179.6W		
h ABOUT 33KM		
BOZ	E(P)	07 56 13.0
JUN 2		
H-08 06 14.0		
52.9N 166.9W		
h ABOUT 19KM		
ADK	EP	08 07 44.4
	ES	08 50.0
BRW	EP	08 10 36.9
BOZ	EP	08 13 15.0
EUR	IP	08 13 24.0
TUC	EP	08 14 28.8
JUN 2		
COL	E(P)	08 08 05.0
JUN 2		
COL	E(P)	08 09 06.0
JUN 2		
H-08 22 55.6		
52.8N 166.9W		
h ABOUT 29KM		
COL	EP	08 26 33.0
BRW	EP	08 27 18.2
BOZ	EP	08 29 55.5
EUR	EP	08 30 05.1
TUC	E(P)	08 31 08.3
JUN 2		
H-12 07 54.0		
36.5N 139.1E		
h ABOUT 119KM		
COL	E(P)	12 16 42.0
BMO	EP	12 19 15.8
EUR	IP	12 19 39.1
JUN 2		
COL	E(P)	12 13 10.5
BOZ	EP	12 16 32.0
	E	19 32.0
JUN 2		
SLD	IP C	13 12 37.2
	IS	12 49.5
JUN 2		
EUR	EP	14 10 08.8
JUN 2		
H-15 30 00.0		
37.2N 116.0W		
h ABOUT 0KM		
BCN	IP C	15 30 29.0
EUR	IP	15 30 38.8
GCA	IP C	15 30 57.8
SLD	IP C	15 31 04.6
	IL	32 10.5
SLC	IP	15 31 15.7
	I	31 31.8
UKI	E(P)	15 31 35.0
TUC	IP C	15 31 38.2
FGU	IP C	15 31 38.5
BMO	EPN	15 31 55.3
ALQ	IP	15 31 59.4
BOZ	EP	15 32 15.4
	EL	34 37.0
HHM	IP	15 32 44.8
	IL	35 54.8
SIT	E(P)	15 35 14.4
CSC	EP	15 35 57.7
WSC	E(P)	15 36 15.4
	EL	46 03.8
COL	IP	15 36 41.3
	IPCP	39 21.7
KIP	EP	15 37 34.4
BRW	IP	15 37 37.7
	E	37 45.1
SJG	IP C	15 38 38.3
JUN 2		
BMO	E(P)	16 09 30.4
COL	E(P)	16 14 43.0

Date and Station	Phase (GCT)
	h m s
JUN 2	
H-16 54 01.0	
19.0S 173.3W	
h ABOUT 68KM	
TUC E(P)	17 05 57.2
EUR IP	17 05 58.8
GCA EP	17 06 07.8
BMO EP	17 06 10.4
E	06 24.1
ALQ IP	17 06 20.2
FGU EP	17 06 24.5
BOZ EP	17 06 28.5
HHM E(P)	17 06 28.8
COL IP	17 06 32.8
JUN 2	
H-17 05 40.0	
15.6S 071.9W	
h ABOUT 131KM	
ALQ IP	17 15 34.8
TUC E(P)	17 15 38.0
FGU EP	17 16 16.0
EUR IP	17 16 31.5
IPCP	16 54.0
BOZ IP	17 16 43.5
BMO EP	17 16 56.8
E▸P	17 33.5
JUN 2	
EUR IP	17 35 41.5
SLD IP	17 35 56.0
IL	36 32.0
JUN 2	
H-18 37 48.8	
36.5N 007.5W	
h ABOUT 30KM	
BOZ EP	18 49 20.4
BMO E(P)	18 49 42.5
JUN 2	
SJG IP C	20 00 28.9
JUN 2	
COL EP	20 30 13.6
EUR E(P)	20 34 22.8
JUN 2	
SJG IP D	20 53 01.8
JUN 2	
BMO E(P)	21 26 41.3

Date and Station	Phase (GCT)
	h m s
JUN 2	
H-21 59 11.6	
36.9N 107.0W	
h ABOUT 5KM	
ALQ IP	21 59 47.2
IL	22 00 24.5
GCA IP	22 00 11.5
I	00 20.0
IL	01 05.0
FGU E(P)	22 00 21.1
I	00 32.0
IL	01 25.0
TUC E(P)	22 00 49.0
I	00 56.5
EL	02 00.0
EUR IP	22 01 04.2
EL	03 06.3
JUN 2	
COL IP	23 06 24.2
BMO EP	23 08 33.9
HHM EP	23 08 36.2
JUN 2	
HHM E(P)	23 21 01.6
E	21 10.8
JUN 2	
BMO E(P)	23 51 45.8
JUN 3	
EUR IP	00 07 22.0
E(S)	07 35.0
JUN 3	
H-01 52 37.6	
38.6N 119.7W	
h ABOUT 33KM	
SLD IP	01 53 09.7
I	53 13.4
IL	53 34.5
EUR EP	01 53 24.1
ES	54 02.2
JUN 3	
BRW E(P)	02 05 31.8
JUN 3	
BRW EP	04 21 38.8
HHM E(P)	04 23 09.1
BMO EP	04 23 11.3
EUR EP	04 23 23.3
JUN 3	
EUR IP	04 46 10.7
IL	46 37.4
JUN 3	
TUC E(P)	05 56 44.0

Date and Station	Phase (GCT)
	h m s
JUN 3	
BCN IP	06 36 58.0
IS	37 10.5
JUN 3	
ALQ IP	07 51 53.5
IS	52 20.5
GCA EP	07 52 18.5
E	52 25.0
EL	53 10.0
JUN 3	
BCN EP	07 54 45.0
JUN 3	
FGU IP C	08 03 29.2
IS	03 38.5
JUN 3	
EUR E(P)	08 32 15.7
JUN 3	
BRW E(P)	08 51 46.0
JUN 3	
SLD E(P)	10 46 08.0
IL	46 36.5
JUN 3	
H-10 42 59.3	
30.9S 068.7W	
h ABOUT 109KM	
TUC EP	10 54 27.4
ALQ IP	10 54 28.4
GCA EP	10 54 51.5
BCN IP C	10 54 55.8
FGU EP	10 55 02.5
E▸P	55 31.5
EUR IP D	10 55 11.2
E▸P	55 41.2
BOZ IP D	10 55 26.1
I	55 47.0
E▸P	55 54.5
BMO EP	10 55 35.2
HHM IP	10 55 42.4
E▸P	56 10.6
JUN 3	
ALQ IP	10 59 56.4
IS	11 00 24.5
JUN 3	
H-11 22 07.3	
59.2N 148.3W	
h ABOUT 16KM	
COL EP	11 23 34.0
E(S)	25 18.0
EL	25 56.0
BRW EP	11 25 08.5
BOZ E(P)	11 27 44.0

Date and Station	Phase (GCT)
	h m s
JUN 3	
BMO E(P)	12 14 46.5
JUN 3	
H-13 49 09.5	
17.9S 178.6W	
h ABOUT 584KM	
BCN IP	14 00 08.0
EUR EP	14 00 28.5
TUC EP	14 00 31.3
E	00 38.5
BMO E(P)	14 00 38.3
COL IP	14 00 47.5
EPKKP	18 24.0
ALQ EP	14 00 51.5
BOZ EP	14 00 56.5
JUN 3	
BMO E(P)	13 52 27.5
E	52 54.0
HHM EP	13 53 49.1
E	53 52.1
JUN 3	
H-14 00 00.0	
37.1N 116.0W	
h ABOUT 0KM	
BCN IP C	14 00 26.8
EUR IP C	14 00 40.5
GCA IP C	14 00 57.2
SLD IP C	14 01 05.0
IL	02 15.0
SLC IP	14 01 17.6
IL	02 42.0
UKI E(P)	14 01 32.0
TUC IP C	14 01 36.4
FGU IP C	14 01 40.0
ALQ IP	14 01 58.6
BOZ EP	14 02 17.6
I	02 47.0
EL	04 49.0
HHM IP	14 02 46.8
IL	06 06.6
SIT E(P)	14 05 16.0
CSC EP	14 05 57.1
E	06 11.5
WSC EP	14 06 16.2
E	07 45.8
E(L)	16 08.6
COL IP C	14 06 42.7
IPCP	09 22.0

Date and Station	Phase	Phase (GCT) h m s
BRW	IP C	14 07 41.5
	E	09 23.3
SJG	EP C	14 08 37.5
	IPCP	10 07.5
JUN 3		
BMO	EPG	14 02 25.0
JUN 3		
BCN	EP	14 13 29.4
JUN 3		
SLD	E(P)	14 15 15.0
JUN 3		
H-14 37 01.2		
36.0N 139.6E		
h ABOUT 105KM		
BRW	IP C	14 45 34.5
COL	EP	14 45 52.0
HHM	EP	14 48 24.1
BMO	EP	14 48 25.0
TUC	EP	14 49 28.0
JUN 3		
BCN	IP D	14 47 23.0
EUR	IP	14 47 37.3
JUN 3		
H-15 31 57.4		
37.1W 116.0W		
h ABOUT 0KM		
BCN	IP	15 32 21.3
GCA	EP	15 32 55.0
SLD	IP	15 33 07.5
BMO	E(P)	15 34 01.6
	EPG	34 19.0
BOZ	EP	15 34 14.0
HHM	E(P)	15 34 43.6
	E	35 04.4
JUN 3		
HHM	E(P)	16 17 57.1
	E	18 32.6
JUN 3		
EUR	IP	16 37 57.2
JUN 3		
HHM	E(P)	17 29 43.6
	E	29 52.6
JUN 3		
TUC	E(P)	17 54 45.6
	E	54 53.0
JUN 3		
BOZ	EP	18 42 56.0
	I	43 00.0
	IL	43 23.5
BMO	EPG	18 43 00.2
	E(S)	43 29.0
HHM	EP	18 43 25.1
	E	44 13.1
JUN 3		
H-20 02 52.6		
7.4N 035.8W		
h ABOUT 33KM		
EUR	E(P)	20 14 29.8
HHM	E(P)	20 14 41.1
BMO	EP	20 14 53.6
JUN 3		
ALQ	IP	20 33 57.5
JUN 3		
ALQ	IP	20 44 44.0
	IS	45 16.0
JUN 3		
ALQ	IP	21 49 51.0
	IS	50 22.0
JUN 4		
EUR	IP	00 08 31.3
	IL	08 51.2
BMO	EP	00 09 19.7
JUN 4		
COL	EP	00 56 55.3
	IS	57 43.0
JUN 4		
BRW	E(P)	02 00 17.5
JUN 4		
COL	EP	02 13 28.0
JUN 4		
COL	EP	03 21 17.0
JUN 4		
COL	EP	03 44 07.0
JUN 4		
H-04 05 28.1		
17.6N 061.4W		
h ABOUT 13KM		
SJG	EP	04 06 38.0
	EL	07 32.0
JUN 4		
H-04 24 42.5		
19.5S 173.8W		
h ABOUT 177KM		
COL	EP	04 37 06.0
JUN 4		
H-04 30 34.2		
22.6S 071.8W		
h ABOUT 15KM		
ALQ	EP	04 41 22.5
EUR	EP	04 42 13.7
BOZ	EP	04 42 28.0
BMO	EP	04 42 38.9
HHM	E(P)	04 42 43.5
JUN 4		
H-05 11 54.9		
36.4N 070.7E		
h ABOUT 213KM		
BRW	IP C	05 22 29.1
	IPCP	22 55.1
	EPP	25 01.0
COL	IP	05 23 12.2
SIT	E(P)	05 24 04.8
HHM	EP	05 24 56.4
	E	25 04.0
BOZ	IP	05 25 10.6
	EPP	29 05.0
BMO	EP	05 25 10.9
EUR	EP	05 25 37.0
	EPP	29 48.3
	EPKKP	41 22.3
ALQ	IP	05 26 02.5
JUN 4		
EUR	EP	05 28 15.9
JUN 4		
ALQ	IP	05 29 09.0
FGU	EP	05 29 40.5
JUN 4		
SJG	EP	05 38 24.5
	IS	38 41.0
JUN 4		
BHP	IP	05 59 51.5
JUN 4		
H-06 16 58.4		
36.6N 021.0E		
h ABOUT 91KM		
BRW	IP	06 28 16.0
COL	IP	06 28 51.0
HHM	IP	06 29 32.5
	I	29 47.5
BOZ	IP	06 29 39.6
BMO	IP	06 29 51.5
	E	30 08.7
FGU	IP C	06 29 52.0
ALQ	IP	06 30 07.0
EUR	IP	06 30 10.8
TUC	EP	06 30 26.0
JUN 4		
H-06 57 45.8		
07.4N 035.8W		
h ABOUT 33KM		
EUR	E(P)	07 09 41.5
BMO	E(P)	07 09 47.6
JUN 4		
HHM	E(P)	07 09 16.5
JUN 4		
H-08 35 15.3		
14.9S 171.2E		
h ABOUT 659KM		
COL	EP	08 46 47.0
	E>P	49 01.5
EUR	EP	08 46 53.1
	E>P	49 11.9
BMO	EP	08 46 57.6
BOZ	E(P)	08 47 15.0
	E>P	49 36.2
JUN 4		
H-09 11 09.7		
24.5S 177.5W		
h ABOUT 27KM		
TUC	E(P)	09 23 44.5
COL	EP	09 24 16.7
JUN 4		
H-10 04 38.2		
15.7S 074.6W		
h ABOUT 54KM		
ALQ	EP	10 14 32.6
EUR	E(P)	10 15 33.0
BOZ	EP	10 15 44.5
BMO	E(P)	10 15 56.8
	E	16 05.5
HHM	E(P)	10 16 03.0
JUN 4		
H-10 29 39.6		
36.9N 107.0W		
h ABOUT 5KM		
ALQ	IP	10 30 15.0
	IS	30 45.0
GCA	IP	10 30 39.3
	I	30 48.0
	IL	31 26.0
FGU	IP	10 30 49.6
	I	31 00.5
	IL	31 55.0
TUC	E(P)	10 31 03.0
	EL	32 31.0

Date and Station	Phase (GCT)
	h m s
BCN EP	10 31 17.2
I	31 23.5
IL	33 00.0
EUR IP	10 31 32.2
EL	33 36.4
BOZ E(P)	10 31 55.0
JUN 4	
H-11 23 04.2	
15.7S 174.8W	
h ABOUT 313KM	
BCN EP	11 34 22.5
EUR EP	11 34 27.5
TUC EP	11 34 28.2
BMO EP	11 34 38.5
ALQ IP	11 34 52.0
COL EP	11 34 55.0
JUN 4	
H-11 24 32.8	
36.9N 107.1W	
h ABOUT 5KM	
ALQ IP	11 25 07.0
IS	25 33.0
GCA E(P)	11 25 22.5
EL	26 18.5
TUC (PN)	11 26 13.0
EUR EP	11 27 00.9
EL	28 28.2
JUN 4	
BCN EP	11 27 52.5
JUN 4	
H-12 11 55.9	
19.4N 108.0W	
h ABOUT 33KM	
TUC E(P)	12 15 02.2
ALQ IP	12 15 35.5
BCN IP	12 16 00.8
E	16 09.8
GCA EP	12 16 04.0
EUR IP	12 16 40.0
FGU E(P)	12 16 43.0
BOZ EP	12 17 30.6
BMO EP	12 17 32.0
JUN 4	
TUC EP	12 26 28.9
JUN 4	
BRW EP	13 01 08.5
E	01 29.1

Date and Station	Phase (GCT)
	h m s
COL EP	13 01 22.0
BMO EP	13 03 31.3
E	03 56.0
BOZ EP	13 03 48.5
E	04 11.0
EUR IP	13 03 50.3
FGU EP	13 04 09.0
E	04 37.0
ALQ E(P)	13 04 33.0
JUN 4	
TUC EP	13 20 38.0
ALQ E(P)	13 20 39.0
JUN 4	
H-14 12 53.3	
13.2N 090.1W	
h ABOUT 55KM	
CSC EP	14 17 47.9
ALQ IP	14 18 26.5
TUC E(P)	14 18 31.0
BCN EP	14 19 16.5
EUR EP	14 19 42.0
BMO EP	14 20 16.4
E▸P	20 30.3
JUN 4	
H-14 29 59.8	
04.9N 124.2E	
h ABOUT 58KM	
COL E(P)	14 42 37.2
JUN 4	
COL EP	14 41 45.0
BOZ EP	14 44 54.5
EUR EP	14 45 04.5
JUN 4	
H-14 48 09.1	
15.8S 074.4W	
h ABOUT 36KM	
EUR E(P)	14 59 12.0
BOZ EP	14 59 20.0
BMO EP	14 59 30.9
E	59 41.2
JUN 4	
H-14 51 25.3	
23.6S 174.8W	
h ABOUT 13KM	
BMO E(P)	15 04 06.1
E	04 16.8
COL EP	15 04 28.0

Date and Station	Phase (GCT)
	h m s
JUN 4	
H-15 57 49.2	
07.4N 126.6E	
h ABOUT 117KM	
COL EP	16 09 55.0
JUN 4	
BOZ E(P)	16 26 43.0
JUN 4	
EUR EP	16 35 31.8
JUN 4	
EUR EP	17 16 01.2
JUN 4	
BMO E(P)	18 02 26.6
JUN 4	
H-18 03 39.7	
23.1N 120.6E	
h ABOUT 25KM	
COL EP	18 14 51.8
BMO E(P)	18 16 58.6
JUN 4	
H-18 07 01.3	
19.8S 069.0W	
h ABOUT 99KM	
SJG EP	18 14 08.6
E▸P	14 31.8
ES	19 48.5
EsS	20 32.0
ALQ IP	18 17 33.0
TUC E(P)	18 17 35.5
E▸P	18 00.0
GCA EP	18 18 00.8
E▸P	18 25.0
E	18 45.2
BCN EP	18 18 07.5
E▸P	18 31.5
EUR IP D	18 18 25.9
I▸P	18 50.2
I	19 11.4
SLD EP	18 18 34.0
E▸P	18 59.0
EsP	19 10.5
BOZ EP	18 18 38.1
BMO EP	18 18 50.8
E▸P	19 15.0
JUN 4	
BHP IP	18 46 34.0
IS	57 12.0
JUN 4	
BCN EP	19 13 52.2
IS	14 04.0

Date and Station	Phase (GCT)
	h m s
JUN 4	
H-21 38 16.3	
29.9S 178.8W	
h ABOUT 215KM	
TUC IP	21 50 51.0
EUR IP	21 50 54.2
BMO E(P)	21 51 05.9
JUN 4	
EUR I(P)	21 49 24.6
JUN 4	
H-22 06 42.3	
48.0N 152.8E	
h ABOUT 160KM	
BRW EP D	22 13 03.1
COL IP	22 13 23.9
BMO EP	22 16 24.8
E	16 58.4
EUR IP	22 16 53.3
JUN 4	
ALQ IP	22 49 03.5
I	49 29.8
JUN 4	
BCN EP	23 21 41.5
JUN 4	
H-23 48 18.0	
46.5N 152.7E	
h ABOUT 27KM	
BRW EP D	23 55 04.4
I▸P	55 13.2
IsP	55 18.5
I	00 57 58.3
E(SCP)	01 28.8
COL EP D	23 55 23.0
I▸P	55 31.9
IsP	55 38.5
EPP	56 46.0
ES	00 01 03.0
EL	03 51.0
SIT E(P)	23 56 25.0
ES	24 02 54.0
HHM IP	23 58 19.0
I▸P	58 26.7
EsP	58 32.5
ES	00 06 25.0
ESCS	08 02.5
EP'P'	00 27 43.5
BMO EP	23 58 21.0
E▸P	58 29.4
BUT E(P)	23 58 32.5
E(S)	00 07 49.5
SLD EP	23 58 37.8
I▸P	58 45.8
IsP	58 51.4

Date and Station	Phase (GCT) h m s
BOZ EP	23 58 39.5
IpP	58 49.0
IS	00 07 00.0
EP'P'	27 36.5
EUR IP C	23 58 48.3
IpP	58 55.7
IPPP	00 02 28.2
E(S)	07 21.8
ESCS	08 26.1
EP'P'	27 40.5
SLC EP	23 58 59.4
EpP	59 08.2
EsP	59 13.3
BCN IP	23 59 07.5
IpP	59 16.0
IsP	59 22.0
EP'P'	00 27 36.0
FGU EP	23 59 08.5
IsP	59 22.0
ES	00 07 56.0
GCA EP	23 59 21.0
E	59 23.9
IpP	59 29.5
TUC EP	23 59 38.2
EpP	59 46.5
IsP	59 53.0
E(S)	00 08 55.0
EP'P'	27 22.2
ALQ IP	23 59 42.5
IpP	59 51.4
IsP	59 57.8
WSC EP	24 00 46.0
EpP	00 55.3
EsP	01 00.5
CSC E(P)	24 01 07.0
JUN 5	
BHP E	00 16 05.0
JUN 5	
EUR EP	00 43 56.0
JUN 5	
H-00 53 01.2	
6.3S 081.4W	
h ABOUT 33KM	
SJG EP	00 58 55.0
ALQ EP	01 01 35.2
EUR E(P)	01 02 36.2
BOZ E(P)	01 02 51.5
JUN 5	
GCA EP	01 14 36.0
IS	14 50.3
JUN 5	
BMO EP	02 00 08.6
E	00 23.2
HHM E(P)	02 00 53.0
E	01 25.0
COL EP	02 00 59.0
E	01 10.2
JUN 5	
COL EP	02 18 03.9
JUN 5	
H-02 18 46.0	
80.3N 001.8W	
h ABOUT 33KM	
COL EP	02 25 28.0
EpP	25 39.0
BOZ E(P)	02 27 37.0
BMO EP	02 27 40.8
E	27 57.3
EUR EP	02 28 19.0
ALQ E(P)	02 28 40.0
BCN E(P)	02 28 51.0
TUC E(P)	02 29 02.5
JUN 5	
H-02 53 10.4	
31.3S 068.6W	
h ABOUT 116KM	
ALQ E(P)	03 04 39.0
EUR EP	03 05 25.0
BMO E(P)	03 05 47.9
JUN 5	
BMO E(P)	03 13 11.9
JUN 5	
BHP IP	03 27 01.0
JUN 5	
EUR IP	03 34 20.8
BMO E(P)	03 34 50.9
JUN 5	
H-04 17 32.3	
17.3S 070.6W	
h ABOUT 123KM	
ALQ E(P)	04 27 43.0
EUR E(P)	04 28 40.3
BOZ EP	04 28 46.5
BMO EP	04 29 03.3
EpP	29 33.0
JUN 5	
ALQ EP	04 33 07.8
JUN 5	
H-04 49 54.8	
24.5N 122.1E	
h ABOUT 33KM	
BRW EP	05 00 27.3
COL EP	05 00 55.0
BMO E(P)	05 02 59.4
E	03 17.7
HHM E(P)	05 03 02.2
E	03 44.0
JUN 5	
COL EP	06 18 25.0
JUN 5	
COL EP	06 24 31.0
JUN 5	
BMO EP	07 02 26.9
JUN 5	
BMO E(P)	07 42 16.1
COL EP	07 42 27.0
ALQ EP	07 42 30.0
BOZ E(P)	07 42 37.0
JUN 5	
H-08 29 24.1	
24.6N 093.4E	
h ABOUT 45KM	
BRW EP	08 40 51.2
COL EP	08 41 26.0
JUN 5	
H-09 14 06.4	
39.1N 029.3E	
h ABOUT 39KM	
BRW EP	09 25 14.7
COL EP	09 25 51.0
BMO EP	09 27 08.3
JUN 5	
BRW E(P)	09 41 10.2
COL EP	09 41 28.5
E	41 36.0
BMO E(P)	09 44 48.8
EUR EP	09 45 23.0
BCN E(P)	09 45 46.0
ALQ EP	09 46 23.0
JUN 5	
COL EP	10 51 42.7
JUN 5	
H-11 09 13.5	
62.9N 149.6W	
h ABOUT 45KM	
COL IP	11 09 47.6
I	09 52.0
E(S)	10 22.0
BRW E(P)	11 11 21.4
EL	13 53.6
HHM EP	11 14 29.0
E	14 37.0
BMO E(P)	11 14 31.4
E	14 52.5
EUR IP	11 15 27.8
JUN 5	
H-11 21 41.8	
00.4N 122.1E	
h ABOUT 151KM	
COL E(P)	11 34 24.5
ALQ EP'	11 40 22.5
E	40 56.0
JUN 5	
GCA EP	11 28 37.7
IS	28 54.2
JUN 5	
COL EP	12 18 22.0
JUN 5	
COL E(P)	12 27 22.6
JUN 5	
H-12 27 43.7	
46.8N 152.7E	
h ABOUT 33KM	
BRW IP D	12 34 26.2
COL EP	12 34 46.0
BMO EP	12 37 44.0
EUR EP	12 38 12.1
JUN 5	
COL E(P)	12 31 49.7
JUN 5	
COL EP	15 24 10.0
JUN 5	
COL EP	16 40 59.0
JUN 5	
H-18 24 44.8	
52.8N 169.5W	
h ABOUT 33KM	
COL E(P)	18 28 33.5
I	28 42.5
BOZ EP	18 31 56.6
EUR EP	18 32 05.6
JUN 5	
BHP IP	18 44 30.0
JUN 5	
H-18 52 05.3	
19.8N 109.0W	
h ABOUT 33KM	
ALQ EP	18 55 42.2
BCN EP	18 56 02.0

Date and Station	Phase (GCT)
	h m s
SLD E(P)	18 56 39.6
EUR IP	18 56 43.8
FGU EP	18 56 50.0
BMO E(P)	18 57 34.8
BOZ EP	18 57 35.0
JUN 5	
H-19 03 10.4	
9.7S 070.6W	
h ABOUT 608KM	
EUR E(P)	19 12 51.5
BMO EP	19 13 16.8
JUN 5	
BMO E(P)	19 09 33.1
E	09 44.1
JUN 5	
SLD IP	20 06 46.5
IS	07 19.1
EL	07 24.0
EUR EP	20 07 17.2
JUN 5	
BMO E(P)	20 33 16.7
JUN 5	
BOZ IP	20 35 43.7
BUT EP	20 35 57.5
IL	35 19.0
HHM EP	20 36 32.0
EL	37 37.0
JUN 5	
EUR IP	20 46 04.5
JUN 5	
SLD IP C	20 50 00.2
IS	50 07.4
JUN 5	
SLD IP C	20 51 26.0
IS	51 33.4
JUN 5	
H-20 52 03.2	
37.3N 022.0E	
h ABOUT 48KM	
HHM E(P)	21 04 40.5
BOZ EP	21 04 47.5
BMO EP	21 04 59.7
E	05 23.0
JUN 5	
H-20 54 03.7	
37.3N 021.6E	
h ABOUT 52KM	
BMO E(P)	21 07 00.2
JUN 5	
TUC EP	21 22 08.8

Date and Station	Phase (GCT)
	h m s
EUR E(P)	21 22 57.5
BMO EP	21 23 21.5
E	23 32.3
HHM EP	21 23 26.5
JUN 5	
EUR IP	21 26 11.5
JUN 5	
BOZ E(P)	21 47 31.0
JUN 5	
H-22 07 06.6	
20.4S 168.3E	
h ABOUT 36KM	
EUR E(P)	22 20 15.5
JUN 5	
FGU EP	23 21 54.2
JUN 6	
BCN EP	00 09 10.0
E	09 26.5
JUN 6	
COL EP	00 11 20.0
E	11 33.0
JUN 6	
H-00 52 08.8	
02.7S 150.6E	
h ABOUT 33KM	
COL EP	01 04 19.0
BMO EP	01 05 22.5
EUR IP	01 05 27.8
JUN 6	
ALQ E(P)	01 42 37.2
JUN 6	
H-01 45 42.4	
14.9S 167.8E	
h ABOUT 17KM	
SLD EP	01 58 15.6
COL IP	01 58 23.1
BCN IP	01 58 37.8
BRW EP	01 58 38.2
EUR IP C	01 58 38.8
I	59 24.7
EPP	02 02 09.0
BMO EP	01 58 42.5
TUC IP C	01 58 47.2
GCA EP	01 58 50.5
HHM E(P)	01 58 57.5
E	59 04.6
BUT EP	01 58 59.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	01 59 00.0
EPP	02 02 33.5
FGU EP	01 59 04.0
ALQ IP	01 59 05.4
JUN 6	
COL E(P)	02 04 41.3
JUN 6	
BMO E(P)	02 15 56.5
JUN 6	
H-04 38 12.2	
44.6N 082.2E	
h ABOUT 33KM	
COL EP	04 48 44.0
JUN 6	
H-05 03 21.7	
40.3N 053.0E	
h ABOUT 37KM	
BRW E(P)	05 14 10.1
COL IP	05 14 54.3
BMO EP	05 16 40.6
JUN 6	
H-06 01 58.5	
40.7S 078.4E	
h ABOUT 33KM	
TUC EP'	06 22 05.0
BMO EP'	06 22 09.3
JUN 6	
CED IP	06 16 47.5
IS	16 51.0
JUN 6	
BMO EP	06 23 09.6
EUR EP	06 23 11.0
HHM EP	06 23 11.6
BUT E(P)	06 23 20.5
FGU EP	06 23 38.0
JUN 6	
H-07 23 12.5	
37.3N 121.8W	
h ABOUT 7KM	
SLD IP C	07 23 22.9
IS	23 30.1
UKI E(P)	07 23 49.3
EUR IP	07 24 30.8
BCN E(P)	07 24 43.0
E	24 55.5
EL	26 20.0
JUN 6	
BMO E(P)	07 24 46.3

Date and Station	Phase (GCT)
	h m s
JUN 6	
H-07 46 16.1	
36.4N 071.1E	
h ABOUT 221KM	
BRW IP C	07 56 47.5
I	57 08.0
I▸P	57 38.6
IPPP	08 01 07.7
ES	05 27.2
EP'P'	24 56.6
IP'P'	56 06.2
COL IP C	07 57 31.5
I▸P	58 23.1
I(sP)	58 47.5
EPP	08 00 18.0
EsPP	01 27.5
E	02 54.5
IS	06 49.0
I▸S	07 56.5
EsS	08 18.4
I	23 21.0
E	24 25.0
I	25 45.0
P'P'P'	44 39.0
SIT IP	07 58 24.5
I▸P	59 18.2
ES	08 08 32.0
HHM IP	07 59 17.1
I▸P	08 00 09.6
I	03 07.1
I▸PP	04 09.1
EP'P'	24 57.9
BUT IP C	07 59 28.0
I▸P	08 00 22.4
EPP	03 24.5
E▸PP	04 12.5
I	08 22.5
ES	10 40.5
BOZ IP C	07 59 30.5
EPP	08 03 28.0
ES	10 38.0
BMO EP	07 59 30.9
E	08 00 25.4
WSC EP	07 59 33.8
E▸P	08 00 31.0
EPP	03 24.0
EPKKP	15 58.0
E▸PKKP	16 52.5
EP'P'	24 13.0
E▸P'P'	25 08.0
FGU EP	07 59 51.7
I▸P	08 00 47.0
IPP	07 04 00.0
I▸PP	04 56.5
SLC EP	07 59 52.0
EUR IP C	07 59 57.4
I▸P	08 00 52.1
IP'	04 12.4
E(PP)	04 58.3
EPPP	07 32.0

Date and Station	Phase	(GCT) h m s
CSC	EP	08 00 03.8
	E▸P	00 53.5
	EPP	04 24.0
	ES	11 50.0
SLD	EP	08 00 05.2
	I▸P	00 59.5
	I▸S	01 21.0
	EP'	04 06.0
	IPP	04 23.5
	E▸PP	05 15.4
	ISKS	10 27.0
	IS	12 02.0
	I▸S	13 19.0
	ESP	13 32.0
	ESPP	14 36.0
	IPKKP	15 40.5
	I▸PKKP	16 34.6
	EP'P'	24 05.5
	E▸P'P'	24 55.0
GCA	EP	08 00 08.5
	E▸P	01 02.5
	E	03 07.0
	IPKKP	15 35.0
	I▸PKKP	16 31.0
	EP'P'	24 25.0
BCN	EP	08 00 13.2
	E▸P	01 08.0
	E▸S	01 30.4
	I	03 09.3
	IPP	04 43.7
	ESP	13 44.0
	ESPP	14 40.3
	IPKKP	15 28.0
	E	16 29.0
	EP'P'	23 53.0
ALQ	IP	08 00 19.0
	IPP	04 51.0
SJG	EP'	08 04 25.6
	IPP	05 17.8
	EPS	14 55.0
	IPKKP	15 18.0
	ESPP	15 44.0
	E▸PS	15 59.5
	EP'P'	23 59.0
TUC	E(P)	08 00 26.1
	EP'	04 28.0
	EPP	05 07.0
BHP	EP'	08 04 54.5
	ESKP	08 10.0
JUN 6		
UKI	EP	08 54 20.0
SLD	EP	08 54 54.0
	EL	55 46.0
EUR	IP	08 55 32.6
BMO	EP	08 55 35.5
	E	55 51.3
TUC	E(P)	08 57 11.0
JUN 6		
COL	EP	09 18 43.0

Date and Station	Phase	(GCT) h m s
JUN 6		
H-09 25 17.1		
23.5S 111.9W		
h ABOUT 33KM		
TUC	EP	09 34 51.0
ALQ	IP	09 35 11.0
EUR	IP	09 35 42.5
BMO	EP	09 36 16.3
BOZ	EP	09 36 19.0
COL	EP	09 38 25.0
JUN 6		
H-09 48 10.1		
13.0S 167.1E		
h ABOUT 220KM		
COL	IP D	10 00 20.7
	E▸P	01 14.0
BRW	E(P)	10 00 34.5
BMO	EP	10 00 36.4
EUR	IP	10 00 39.0
BMO	E(P)	10 01 37.8
JUN 6		
H-09 56 33.4		
30.6S 069.3W		
h ABOUT 108KM		
TUC	EP	10 07 58.5
ALQ	IP	10 07 59.0
	I▸P	08 30.5
GCA	EP	10 08 22.8
	E▸P	08 52.7
	E▸S	09 06.5
FGU	EP	10 08 34.6
	E▸P	09 05.5
EUR	IP D	10 08 44.0
	I▸S	09 23.9
SLD	EP	10 08 49.0
BOZ	EP	10 08 58.2
	E▸P	09 28.5
BUT	IP	10 09 01.4
	E▸P	09 32.4
BMO	EP	10 09 06.9
	E▸P	09 37.4
HHM	EP	10 09 12.6
	E▸P	09 43.1
JUN 6		
GCA	IP	10 16 58.5
	IS	17 13.0
EUR	EP	10 17 40.2

Date and Station	Phase	(GCT) h m s
JUN 6		
COL	EP	10 22 39.0
JUN 6		
BMO	E(P)	10 50 37.8
EUR	EP	10 50 48.7
BOZ	EP	10 51 34.5
JUN 6		
H-11 10 37.9		
36.4N 138.2E		
h ABOUT 42KM		
COL	E(P)	11 19 36.8
BMO	E(P)	11 22 11.5
EUR	EP	11 22 35.1
JUN 6		
BRW	E(P)	11 48 17.9
JUN 6		
SJG	EP	13 13 44.9
	IS	13 57.7
JUN 6		
BMO	EP	13 33 52.4
JUN 6		
H-14 59 32.2		
55.9N 164.7E		
h ABOUT 33KM		
BRW	E(P)	15 04 27.0
	I	04 39.5
COL	EP	15 04 51.0
BMO	EP	15 08 13.3
	E	08 23.0
BOZ	EP	15 08 31.5
	I	08 41.5
EUR	IP	15 08 47.9
JUN 6		
ALQ	IP	15 16 46.0
	IS	17 20.0
JUN 6		
BOZ	IP	16 37 55.0
JUN 6		
FGU	I(P)	17 09 14.7
JUN 6		
BMO	E(P)	18 08 23.9
JUN 6		
SLD	EP	19 06 44.5
JUN 6		
H-19 56 16.3		
19.4S 168.2E		
h ABOUT 33KM		
COL	EP	20 09 17.0
EUR	E(P)	20 09 21.0

Date and Station	Phase	(GCT) h m s
JUN 6		
FGU	E(P)	19 57 52.7
	IL	58 39.3
ALQ	IP	19 58 13.5
	I	59 22.8
BOZ	E(P)	19 58 36.0
	E	59 05.0
	E	20 00 13.0
JUN 6		
H-20 47 12.2		
09.5N 126.4E		
h ABOUT 55KM		
BRW	IP C	20 59 00.0
	I	59 10.4
COL	EP C	20 59 15.0
	ES	21 09 12.0
SIT	E(P)	20 59 52.0
	ES	21 10 16.0
BMO	EP	21 00 58.9
HHM	E(P)	21 01 02.1
	E	01 13.1
	EPP	05 12.6
BOZ	EP	21 01 14.2
	EPP	05 14.0
EUR	E(P)	21 01 16.7
	E	04 31.0
	EPP	05 30.5
	EPKKP	17 01.8
ALQ	IPP	21 05 46.0
TUC	EP	21 06 22.8
CSC	EP'	21 06 18.1
SJG	IP'	21 06 54.0
BHP	EP'	21 06 55.0
JUN 6		
SIT	IP	22 05 05.3
JUN 6		
SLD	EP	22 41 14.6
	EL	41 42.0
JUN 6		
H-23 07 31.4		
09.6N 126.5E		
h ABOUT 51KM		
BRW	EP	23 19 19.7
COL	EP	23 19 34.0
BMO	E(P)	23 21 19.2
	E	21 29.9
JUN 6		
H-23 16 32.3		
09.6N 126.5E		
h ABOUT 35KM		

Date and Station	Phase (GCT)
	h m s
BRW EP	23 28 22.7
IpP	28 33.9
COL E(P)	23 28 38.0
EpP	28 49.0
BMO E(P)	23 30 25.6
EpP	30 36.2
SJG EP'	23 36 17.0
JUN 6	
H-23 36 33.4	
9.7N 126.6E	
h ABOUT 62KM	
COL E(P)	23 48 34.3
E	48 47.0
JUN 6	
H-23 59 19.1	
9.6N 126.2E	
h ABOUT 67KM	
COL EP	24 11 19.8
BMO E(P)	24 13 04.5
E	13 18.4
JUN 7	
SLD EP	00 06 14.4
EL	06 41.0
JUN 7	
HHM E(P)	00 12 24.7
JUN 7	
H-00 59 45.3	
14.9S 075.9W	
h ABOUT 33KM	
BHP IP	01 05 00.0
IS	09 14.0
SJG EP	01 06 25.5
IS	11 54.0
CSC EP	01 08 28.1
E	08 36.0
E(S)	15 30.0
WSC EP	01 09 05.2
ALQ IP	01 09 32.8
TUC IP C	01 09 34.2
E	09 43.0
ES	17 34.0
GCA EP	01 10 03.0
BCN EP	01 10 09.0
CED EP	01 10 11.0
FGU IP C	01 10 16.0
ES	18 49.5
EP'P'	38 50.0
EUR IP C	01 10 29.5
E(S)	19 19.5
EP'P'	39 10.0

Date and Station	Phase (GCT)
	h m s
SLD EP	01 10 37.5
EP'P'	39 11.0
BOZ IP C	01 10 45.5
IS	19 48.0
BUT EP	01 10 53.5
E	11 38.0
ES	20 00.0
BMO EP	01 10 56.8
HHM IP	01 11 05.2
EP	11 10.1
ES	20 26.2
COL EP C	01 13 09.3
BRW E(P)	01 14 30.8
JUN 7	
H-01 20 06.4	
14.9S 076.2W	
h ABOUT 35KM	
TUC E(P)	01 29 52.0
ALQ IP	01 29 53.4
BCN E(P)	01 30 24.0
I	34 11.2
EUR IP	01 30 49.5
BOZ EP	01 31 05.5
I	31 12.0
BMO E(P)	01 31 18.7
E	31 34.9
HHM E(P)	01 31 25.7
E	31 40.9
JUN 7	
FGU EP	01 20 35.0
JUN 7	
BMO EP	01 44 58.0
JUN 7	
COL EP	01 45 35.0
BRW EP	01 45 35.7
JUN 7	
COL EP	02 10 20.0
BRW E(P)	02 10 22.1
BMO E(P)	02 11 39.4
JUN 7	
BMO EP	02 21 05.2
E	21 24.8
HHM E(P)	02 21 10.7
E	21 22.2
COL IP	02 21 42.8
JUN 7	
COL E(P)	03 14 51.5

Date and Station	Phase (GCT)
	h m s
JUN 7	
H-03 24 19.0	
15.0S 075.8W	
h ABOUT 51KM	
SJG EP	03 31 00.0
CSC E(P)	03 33 02.0
WSC EP	03 33 37.7
ALQ IP	03 34 05.6
I	34 22.2
TUC E(P)	03 34 07.1
EUR IP	03 35 02.5
SLD E(P)	03 35 12.5
BOZ IP	03 35 18.1
BMO EP	03 35 30.5
E	35 46.4
HHM EP	03 35 37.7
E	35 55.7
JUN 7	
FGU EP	03 24 49.0
JUN 7	
COL EP	03 36 36.0
JUN 7	
COL EP	03 47 01.0
BOZ EP	03 50 14.5
EUR IP	03 50 20.3
TUC E(P)	03 51 23.1
JUN 7	
H-04 59 26.5	
50.8N 179.5E	
h ABOUT 33KM	
COL IP	05 04 20.3
BMO EP	05 07 12.8
BOZ IP	05 07 37.1
EUR IP	05 07 45.4
TUC E(P)	05 08 44.5
JUN 7	
H-05 58 50.4	
5.1S 151.1E	
h ABOUT 145KM	
BMO E(P)	06 11 55.2
EUR EP	06 12 01.5
JUN 7	
H-06 45 47.0	
59.5N 153.4W	
h ABOUT 83KM	
COL IP	06 47 15.6
IS	48 20.3

Date and Station	Phase (GCT)
	h m s
BRW EP	06 48 34.8
HHM EP	06 51 07.5
I	51 09.7
BMO EP	06 51 15.0
E	51 37.5
BOZ EP	06 51 35.0
EUR IP	06 51 58.2
FGU EP	06 52 16.0
ALQ EP	06 53 07.5
JUN 7	
COL EP	07 08 37.0
JUN 7	
BRW EP	07 46 14.6
COL IP	07 46 33.8
BMO E(P)	07 49 31.5
E	49 45.8
HHM E(P)	07 49 42.7
BOZ EP	07 49 56.0
I	50 04.5
EUR EP	07 49 59.7
I	50 14.2
TUC E(P)	07 51 03.0
ALQ E(P)	07 51 09.0
E	52 30.0
JUN 7	
COL EP	08 15 46.0
BRW E(P)	08 16 18.8
BMO E(P)	08 19 09.6
JUN 7	
SJG IP	08 36 50.3
IS	37 06.3
JUN 7	
H-09 18 39.1	
36.9N 107.2W	
h ABOUT 5KM	
ALQ IP	09 19 15.0
IS	19 40.8
JUN 7	
H-09 18 58.7	
25.5N 122.3E	
h ABOUT 242KM	
BRW EP	09 29 03.6
COL EP	09 29 28.3
E	29 42.0
BMO EP	09 31 39.8
JUN 7	
TUC E(P)	09 20 21.9
EL	21 30.3

Date and Station	Phase (GCT) h m s
JUN 7	
FGU EL	09 20 55.5
JUN 7	
COL EP	09 23 54.3
JUN 7	
BMO E(P)	09 23 39.5
JUN 7	
BMO EP	09 44 27.9
JUN 7	
SJG IP	10 08 42.3
IS	08 55.5
JUN 7	
COL EP	11 15 02.0
BMO EP	11 18 05.7
BOZ EP	11 18 22.2
EUR IP	11 18 35.0
JUN 7	
BOZ EP	11 15 51.7
E	16 08.0
JUN 7	
H-11 44 51.7	
24.2N 122.6E	
h ABOUT 41KM	
BRW EP D	11 55 23.6
COL EP	11 55 48.0
SIT EP	11 56 39.0
HHM IP C	11 57 57.2
BMO EP	11 57 58.7
SLD EP	11 58 09.0
BOZ IP D	11 58 10.5
EUR IP	11 58 18.1
E	58 38.4
ALQ EP'	12 03 12.5
JUN 7	
ALQ E(P)	12 14 56.0
EUR EP	12 15 33.7
JUN 7	
BMO E(P)	12 31 07.5
JUN 7	
EUR IP	13 35 08.5
TUC EP	13 35 09.1
BMO E(P)	13 35 18.4
COL EP	13 35 30.0
ALQ EP	13 35 30.3

Date and Station	Phase (GCT) h m s
JUN 7	
H-13 59 34.4	
11.3N 139.4E	
h ABOUT 35KM	
GUA EP	14 01 00.0
ES	02 07.0
BRW EP C	14 10 52.6
IPP	11 03.9
E(PP)	15 08.9
EP'P'	38 41.0
COL EP	14 10 57.0
I	10 57.9
ES	20 26.0
SIT EP	14 11 31.0
ES	21 21.0
UKI E(P)	14 12 25.7
SLD IP C	14 12 35.0
ESKS	23 07.0
IS	23 29.5
EP'P'	38 19.0
P'P'P'	58 54.5
BMO EP	14 12 37.2
HHM IP C	14 12 42.2
I	12 49.2
IPP	16 10.6
EUR IP C	14 12 50.0
IPP	16 50.3
ESKS	23 29.5
IS	24 05.2
IPS	25 25.0
EPPS	26 10.0
IPKKP	29 55.7
EP'P'	38 07.5
P'P'P'	58 30.5
BUT IP	14 12 52.9
EPP	17 05.4
ESKS	23 23.4
CED IP C	14 12 52.9
BOZ IP C	14 12 54.0
EPP	16 36.0
ESKS	23 28.0
BCN IP C	14 12 59.8
IPP	16 48.7
IPPP	18 44.0
EPKKP	30 22.7
EP'P'	38 01.0
GCA EP	14 13 08.8
FGU IP C	14 13 10.0
TUC IP C	14 13 19.0
IPP	17 21.1
ES	24 55.0
EPKKP	29 27.0
EP'P'	37 54.0
ALQ IP	14 13 29.5
I	13 35.5

Date and Station	Phase (GCT) h m s
WSC EP'	14 18 22.5
EPP	19 41.0
E	24 29.0
EPKKP	28 50.5
CSC EP'	14 18 24.0
ESKS	25 20.0
BHP IP'	14 18 54.0
I	20 30.0
SJG IP'	14 18 57.5
ISKP	22 40.5
JUN 7	
H-14 54 49.5	
21.1S 179.2W	
h ABOUT 638KM	
EUR EP	15 06 17.3
TUC EP	15 06 18.0
BMO EP	15 06 27.7
COL E(P)	15 06 38.4
JUN 7	
BOZ IP	15 13 46.0
JUN 7	
H-15 14 42.9	
15.1S 075.8W	
h ABOUT 56KM	
SJG EP	15 21 22.5
I	21 37.5
ALQ IP	15 24 28.5
TUC EP	15 24 30.0
FGU EP	15 25 11.6
EUR IP	15 25 25.8
SLD EP	15 25 35.0
BOZ EP	15 25 41.5
BMO EP	15 25 53.4
HHM E(P)	15 26 02.2
E	26 39.2
COL EP	15 28 07.0
JUN 7	
BRW EP	15 25 14.1
COL EP	15 25 21.0
EUR E(P)	15 29 07.6
BOZ EP	15 31 26.0
BMO E(P)	15 31 36.9
E	31 51.5
JUN 7	
EUR E(P)	15 54 06.5
JUN 7	
HHM EP	16 06 05.7

Date and Station	Phase (GCT) h m s
JUN 7	
CED IP	16 38 51.4
IS	39 05.6
BCN E(P)	16 39 27.8
I	39 30.6
IL	40 03.3
JUN 7	
ALQ IP	17 29 28.0
JUN 7	
HHM E(P)	18 01 09.9
E	01 55.7
JUN 7	
H-19 05 47.4	
21.4S 179.3W	
h ABOUT 605KM	
TUC EP	19 17 19.0
EUR EP	19 17 19.3
EPP	19 30.0
BMO EP	19 17 29.1
EPP	19 44.6
COL EP	19 17 39.0
FGU EP	19 17 44.0
JUN 7	
COL EP	19 48 16.4
JUN 7	
HHM EP	21 14 12.6
E	14 44.9
JUN 7	
ALQ IP	22 01 05.5
I	01 38.0
JUN 7	
H-22 18 57.3	
05.7S 105.5E	
h ABOUT 40KM	
BMO EP'	22 37 57.6
EUR IP'	22 38 06.2
JUN 8	
ALQ IP	00 07 37.0
IS	08 01.6
JUN 8	
BMO EPN	00 09 31.9
E(S)	10 25.4
JUN 8	
FGU IP	02 27 28.0
JUN 8	
BMO E(P)	03 26 18.7
EUR IP	03 26 51.5
JUN 8	
H-03 42 14.4	
07.7S 158.9E	
h ABOUT 63KM	

Date and Station	Phase (GCT)
	h m s
COL IP	03 54 29.0
BMO EP	03 55 13.0
E	55 29.3
EUR IP	03 55 14.8
E▸P	55 32.6
BCN EP	03 55 17.0
JUN 8	
H-05 32 38.5	
17.9S 178.1W	
h ABOUT 564KM	
EUR EP	05 43 58.2
TUC EP	05 44 00.0
BMO EP	05 44 07.9
COL E(P)	05 44 17.5
JUN 8	
H-06 24 29.7	
46.4N 152.7E	
h ABOUT 55KM	
COL EP D	06 31 31.7
E▸P	31 46.0
BMO EP	06 34 29.4
E▸P	34 43.6
BOZ EP	06 34 47.6
I▸P	35 03.0
EUR EP	06 34 57.8
I▸P	35 12.0
TUC E(P)	06 35 58.5
ALQ E(P)	06 36 06.4
JUN 8	
FGU E(P)	07 01 40.0
EUR E(P)	07 01 50.3
JUN 8	
ALQ EP	08 26 09.8
JUN 8	
EUR IP	09 54 42.2
IS	55 05.8
BCN E(P)	09 55 17.0
E	55 28.8
EL	56 20.8
JUN 8	
H-10 46 07.0	
22.9N 120.6E	
h ABOUT 21KM	
COL E(P)	10 57 21.7
BMO E(P)	10 59 29.5
JUN 8	
COL E(P)	11 45 47.0

Date and Station	Phase (GCT)
	h m s
JUN 8	
H-14 56 52.6	
15.3S 076.0W	
h ABOUT 23KM	
ALQ EP	15 06 43.2
FGU EP	15 07 26.9
EUR IP	15 07 40.5
BMO EP	15 08 08.1
E	08 26.2
JUN 8	
EUR EP	14 59 17.0
JUN 8	
H-15 02 01.9	
23.0S 066.3W	
h ABOUT 226KM	
ALQ IP	15 12 45.5
TUC EP	15 12 48.0
BCN EP	15 13 18.0
FGU EP	15 13 22.6
EUR E(P)	15 13 35.5
BMO EP	15 13 58.4
JUN 8	
BMO EP	17 00 31.1
JUN 8	
BMO E(P)	17 57 37.0
JUN 8	
EUR EP	18 00 48.0
JUN 8	
ALQ IP	18 04 29.6
JUN 8	
ALQ IP	18 40 02.0
JUN 8	
ALQ IP	19 17 15.0
IS	17 22.0
JUN 8	
ALQ IP	19 50 38.8
I	51 12.0
JUN 8	
H-19 56 22.7	
53.1N 171.1E	
h ABOUT 27KM	
BRW EP C	20 01 23.9
IPCP	05 12.2
ESCP	08 42.8
COL IP C	20 01 33.6
E(S)	05 46.0
BMO IP	20 04 44.6
E	05 12.6
ESCP	10 12.3
BUT E(P)	20 04 49.4

Date and Station	Phase (GCT)
	h m s
BOZ IP	20 05 05.6
E(S)	12 06.0
SLD E(P)	20 05 07.5
EUR IP C	20 05 17.5
I	05 23.6
ESCP	10 30.5
FGU EP	20 05 38.8
ESCP	10 43.0
BCN EP	20 05 40.7
GCA E(P)	20 05 49.0
TUC IP	20 06 15.7
ALQ IP	20 06 20.0
JUN 8	
H-21 21 52.2	
06.1S 147.5E	
h ABOUT 61KM	
COL EP	21 34 22.0
JUN 8	
H-21 35 57.5	
34.4N 138.9E	
h ABOUT 33KM	
COL E(P)	21 45 06.0
BMO EP	21 47 38.2
BOZ EP	21 47 51.0
JUN 8	
TUC E(P)	23 03 08.0
JUN 8	
H-23 11 19.3	
19.7S 069.3W	
h ABOUT 122KM	
BMO EP	23 23 06.0
E	23 34.4
JUN 8	
BMO E(P)	23 13 45.7
JUN 8	
H-23 33 14.9	
36.9N 107.1W	
h ABOUT 5KM	
ALQ IP	23 33 49.5
IS	34 17.0
GCA EP	23 34 14.0
E	34 23.5
JUN 9	
H-00 12 11.5	
07.7N 094.2E	
h ABOUT 50KM	
BRW EP D	00 25 03.3
BMO EP'	00 31 04.5
E(PP)	32 30.8

Date and Station	Phase (GCT)
	h m s
BOZ IP'	00 31 09.5
EPP	32 38.5
E(SKP)	34 47.0
FGU EP'	00 31 12.0
I	31 18.8
EUR EP'	00 31 16.0
E(PP)	33 25.6
BCN EP'	00 31 24.0
TUC EP'	00 31 33.8
ALQ EP'	00 31 19.5
I	31 32.2
ISKP	34 50.5
SJG IP'	00 31 59.8
JUN 9	
TUC EP	00 34 52.0
JUN 9	
BOZ E(P)	01 09 11.5
EUR IP	01 09 28.1
TUC E(P)	01 10 57.0
ALQ EP	01 10 58.0
JUN 9	
SJG EP	01 49 51.5
JUN 9	
H-01 57 37.8	
45.0N 146.4E	
h ABOUT 160KM	
BRW EP D	02 04 37.2
EPCP	06 53.0
COL IP	02 05 02.4
BMO EP	02 07 55.9
BOZ IP	02 08 13.5
EUR IP C	02 08 22.8
E▸P	09 01.5
FGU EP	02 08 40.6
TUC EP	02 09 09.0
E	09 15.0
ALQ EP	02 09 14.1
E	09 19.0
JUN 9	
H-02 59 39.2	
31.0S 071.6W	
h ABOUT 52KM	
FGU EP	03 11 44.5
EUR E(P)	03 11 52.0
BMO E(P)	03 12 16.5
JUN 9	
COL EP	04 45 49.7

Date and Station	Phase (GCT) h m s
JUN 9	
COL E(P)	05 16 04.2
JUN 9	
BMO EP	06 01 27.2
E	01 39.5
EUR E(P)	06 01 46.0
JUN 9	
H-06 57 50.1	
85.0N 095.8E	
h ABOUT 33KM	
BRW EP	07 02 30.7
COL EP	07 03 39.0
BOZ IP	07 06 37.0
I	06 40.5
BMO IP	07 06 40.9
FGU EP	07 07 12.5
EUR IP	07 07 21.2
SLD E(P)	07 07 37.0
BCN EP	07 07 46.5
ALQ EP D	07 07 54.0
TUC EP	07 08 11.5
JUN 9	
H-07 15 07.1	
85.2N 094.2E	
h ABOUT 33KM	
BRW E(P)	07 19 51.3
COL EP	07 20 54.5
BOZ EP	07 23 52.5
BMO EP	07 23 56.2
FGU EP	07 24 28.0
EUR IP D	07 24 37.1
E	24 44.8
ALQ EP	07 25 10.0
JUN 9	
BMO E(P)	08 49 09.4
JUN 9	
H-11 21 17.7	
30.0N 142.1E	
h ABOUT 50KM	
BRW E(P)	11 30 31.0
COL EP	11 30 44.0
BMO EP	11 33 03.0
E	33 35.6
BOZ EP	11 33 20.0
EUR IP	11 33 23.1
BCN EP	11 33 37.5
FGU EP	11 33 41.7
JUN 9	
H-12 01 21.5	
20.7S 178.5W	
h ABOUT 581KM	
EUR EP	12 12 50.6
BMO EP	12 13 01.2
COL EP	12 13 12.2
BOZ E(P)	12 13 19.5
JUN 9	
COL EP	12 10 08.0
JUN 9	
COL E(P)	12 19 46.8
JUN 9	
H-13 08 10.8	
39.9N 141.6E	
h ABOUT 66KM	
BRW EP	13 16 11.6
COL IP	13 16 34.4
BMO EP	13 19 16.5
E	19 37.8
BOZ IP C	13 19 32.9
EUR IP	13 19 41.5
BCN EP	13 19 58.1
JUN 9	
BOZ EP	13 45 13.0
E	45 18.0
BMO EP	13 46 43.0
JUN 9	
BMO EP	14 10 49.8
E	11 28.8
BOZ EP	14 11 06.5
JUN 9	
TUC EP	14 31 26.5
E	31 39.0
EL	32 40.0
EUR EP	14 33 16.3
JUN 9	
SJG IP	14 53 16.5
IS	53 28.0
JUN 9	
SJG IP	14 57 07.0
IS	57 18.0
JUN 9	
H-15 39 25.9	
44.3N 147.7E	
h ABOUT 89KM	
BRW IP	15 46 33.7
IPCP	48 49.7
COL IP	15 46 57.7
SIT E(P)	15 47 58.0
BMO IP	15 49 49.1
SLD IP D	15 50 04.8
BOZ IP	15 50 07.0
I	50 16.5
EUR IP D	15 50 15.8
I	51 07.8
CED IP D	15 50 30.9
E	50 56.4
BCN IP D	15 50 35.0
GCA EP	15 50 41.0
TUC EP	15 51 02.0
ALQ IP	15 51 07.0
JUN 9	
GCA E(P)	16 00 27.8
EL	01 19.5
JUN 9	
GCA EP	16 48 47.0
I	48 57.0
EL	49 41.0
JUN 9	
COL IP	17 01 31.9
I(S)	02 30.2
JUN 9	
BMO EP	17 05 35.4
JUN 9	
SJG IP	19 20 05.3
I(S)	20 10.5
JUN 9	
SJG IP	19 45 26.1
IS	45 31.4
JUN 9	
ALQ IP	20 38 47.0
IS	39 22.0
JUN 9	
BMO E(P)	20 42 14.8
ALQ IP	20 43 17.0
IS	43 50.0
JUN 9	
BOZ IP	21 31 49.6
IL	32 02.0
JUN 9	
H-22 16 27.4	
30.0N 142.1E	
h ABOUT 55KM	
COL EP	22 25 53.0
BMO EP	22 28 11.4
SLD E(P)	22 28 18.0
BUT E(P)	22 28 25.0
BOZ EP	22 28 29.0
EUR EP	22 28 32.0
IPP	28 47.5
JUN 9	
GCA EP	22 24 31.5
JUN 9	
H-22 24 43.6	
27.6N 052.7E	
h ABOUT 39KM	
COL EP	22 37 23.0
JUN 9	
GCA E(P)	22 32 12.5
E	32 27.5
EL	33 23.7
JUN 10	
GCA EP	02 41 48.5
EL	47 25.0
JUN 10	
H-04 25 14.8	
52.1N 175.1E	
h ABOUT 33KM	
COL EP	04 30 17.0
E(S)	34 28.0
BMO EP	04 33 20.2
E	34 20.5
BOZ EP	04 33 42.6
EUR IP	04 33 52.2
TUC E(P)	04 34 51.5
JUN 10	
H-05 34 18.9	
19.9N 070.4W	
h ABOUT 11KM	
SJG IP	05 35 26.0
I	35 34.0
IL	36 35.0
EUR E(P)	05 42 26.5
JUN 10	
BMO EP	05 51 52.8
E	52 21.4
JUN 10	
H-06 58 55.0	
02.6S 138.9E	
h ABOUT 33KM	
COL E(P)	07 11 36.0
JUN 10	
TUC E(P)	07 16 31.8

Date and Station	Phase (GCT)
	h m s
JUN 10	
BMO EPN	07 44 40.4
EPG	07 44 48.2
ES	45 16.5
ELG	45 27.1
BOZ E(P)	07 45 15.0
IL	46 52.0
JUN 10	
H-08 13 25.1	
14.8S 076.1W	
h ABOUT 15KM	
BHP EP	08 18 41.0
ALQ IP	08 23 14.2
EUR IP	08 24 11.0
BOZ EP	08 24 26.5
E	24 45.0
BMO EP	08 24 38.7
E	24 45.2
COL EP	08 26 51.0
JUN 10	
GCA EP	08 46 30.5
JUN 10	
BMO E(P)	09 21 26.8
EUR EP	09 21 51.6
JUN 10	
BMO IP	09 24 27.3
E	24 56.5
EUR EP	09 24 50.0
I	25 37.9
BOZ EP	09 25 03.2
JUN 10	
BMO IP	09 25 14.6
E	25 44.5
JUN 10	
COL EP	09 45 15.0
JUN 10	
H-10 32 45.5	
45.2N 027.9W	
h ABOUT 33KM	
BOZ EP	10 42 22.7
ALQ EP	10 42 42.8
EUR IP	10 43 06.1
JUN 10	
COL IP	10 34 37.1
JUN 10	
H-10 46 50.6	
45.1N 028.0W	
h ABOUT 33KM	
BOZ EP	10 56 28.0
ALQ EP	10 56 47.8
COL E(P)	10 56 52.7
BMO E(P)	10 56 55.1
JUN 10	
GCA EP	11 29 41.3
JUN 10	
SJG E(P)	11 47 10.0
IL	47 56.3
JUN 10	
EUR EP	12 10 49.0
JUN 10	
H-12 15 05.8	
06.1S 149.8E	
h ABOUT 53KM	
COL EP	12 27 30.0
BMO E(P)	12 28 30.6
E	28 54.2
E	30 22.7
EUR EP	12 28 36.1
JUN 10	
SJG EP	12 41 44.0
IS	42 08.5
JUN 10	
H-14 08 24.6	
42.6N 149.1E	
h ABOUT 17KM	
BRW IP	14 15 50.6
BOZ E(P)	14 18 12.6
EUR E(P)	14 19 23.9
CED EP	14 19 38.5
JUN 10	
H-14 12 13.4	
57.4N 155.8W	
h ABOUT 60KM	
COL EP	14 14 15.0
IS	15 51.0
BRW EP	14 15 30.7
I	15 50.6
BMO EP	14 17 50.3
E	18 18.9
EUR IP D	14 18 30.8
I	19 24.5
CED EP	14 18 59.8
E	19 38.5
ALQ EP	14 19 42.0
JUN 10	
H-14 13 42.3	
14.4S 075.4W	
h ABOUT 25KM	
ALQ EP	14 23 30.0
E	23 36.1
TUC E(P)	14 23 31.5
BOZ EP	14 24 42.0
BMO E(P)	14 24 55.0
JUN 10	
COL E(P)	14 15 50.0
BMO EP	14 18 18.9
JUN 10	
H-14 30 00.0	
37.1N 116.0W	
h ABOUT 0KM	
EUR IP	14 30 41.0
CED EP C	14 30 48.1
ELG	31 37.1
GCA EP	14 30 57.3
SLD E(P)	14 31 05.5
EL	32 10.5
TUC EP	14 31 36.9
EL	33 23.0
FGU IP C	14 31 40.5
BMO EPN	14 31 58.2
EPG	32 25.1
ALQ IP	14 31 59.5
I	32 30.5
BUT E(P)	14 32 01.0
BOZ EP	14 32 18.5
I	32 49.7
COL EP	14 36 43.0
JUN 10	
BOZ EP	14 54 18.0
EL	54 50.0
FGU E(P)	14 54 20.0
EL	54 53.0
JUN 10	
BMO E(P)	15 38 36.2
EUR IP	15 39 08.7
JUN 10	
ALQ IP	15 51 14.2
IS	51 47.8
JUN 10	
EUR IP	16 00 07.9
JUN 10	
BMO EP	16 41 14.2
E	41 23.4
JUN 10	
ALQ IP	16 48 25.8
I	48 50.5
JUN 10	
ALQ EP	17 19 25.8
EUR IP	17 20 25.2
BMO EP	17 21 16.8
JUN 10	
EUR E(P)	18 15 29.5
JUN 10	
FGU IP	18 35 40.7
IS	36 00.5
IL	36 01.9
JUN 10	
H-19 04 41.5	
51.8N 170.4W	
h ABOUT 35KM	
BPW EP	19 09 18.2
EUR EP	19 12 07.0
JUN 10	
H-19 11 14.6	
52.5N 173.6E	
h ABOUT 26KM	
ADK EP	19 12 45.3
E(S)	13 52.0
BRW EP C	19 16 19.5
E	16 33.4
ES	20 08.3
COL IP	19 16 22.0
BMO EP	19 19 26.8
EpP	19 35.7
BOZ EP	19 19 48.5
IpP	19 57.5
EUR EP	19 19 59.5
IpP	20 08.3
TUC E(P)	19 21 05.0
JUN 10	
H-19 45 47.9	
43.1N 111.1W	
h ABOUT 33KM	
BOZ IP	19 46 26.5
FGU IP	19 46 28.8
IL	47 01.5
BMO IPN	19 47 00.9
BUT EP	19 47 05.4
EUR EP	19 47 07.5
I	47 13.7
IL	48 32.5
BMO E(P)	19 47 14.0
E($)	47 54.7
ELG	48 12.7
ALQ E(P)	19 48 08.0
I	48 32.0
IL	50 19.0
JUN 10	
EUR EP	20 16 22.4

Date and Station	Phase (GCT)
	h m s
JUN 10	
FGU E(P)	20 37 32.3
IL	38 00.7
JUN 10	
BOZ EP	20 58 00.0
IL	58 31.0
FGU E(P)	20 58 01.4
IL	59 34.0
JUN 10	
H-21 35 37.4	
44.8N 149.4E	
h ABOUT 17KM	
BRW EP	21 42 46.2
COL EP	21 43 07.0
BOZ EP	21 46 19.0
JUN 10	
FGU E(P)	21 52 08.0
EL	52 40.5
JUN 10	
FGU E(P)	21 55 26.1
IL	56 01.9
JUN 10	
H-22 14 38.9	
32.9N 039.8W	
h ABOUT 19KM	
ALQ EP	22 24 08.0
BOZ IP D	22 24 12.5
BMO EP	22 24 41.5
E	24 54.2
EUR EP	22 24 47.6
EPCP	25 33.6
BRW EP	22 25 33.3
COL E(P)	22 25 37.5
JUN 10	
TUC IP	22 31 34.2
EL	31 55.0
ALQ IP	22 31 58.0
I	32 05.5
IS	32 45.5
JUN 10	
H-22 41 48.6	
45.2N 099.7E	
h ABOUT 33KM	
BRW I(P)	22 50 51.1
E	52 10.3
COL IP	22 51 42.9
BMO EP	22 54 21.5
BOZ EP	22 54 26.0
EUR IP	22 54 47.2
FGU EP	22 54 51.8

Date and Station	Phase (GCT)
	h m s
JUN 10	
H-23 30 55.5	
72.5N 003.2E	
h ABOUT 33KM	
EUR E(P)	23 41 05.5
JUN 11	
COL EP	00 19 31.0
JUN 11	
COL EP	01 13 46.0
JUN 11	
SLD IP	01 48 41.5
I	48 45.2
IL	49 12.5
JUN 11	
ALQ IP	02 35 32.0
IS	36 05.5
JUN 11	
H-02 37 37.4	
19.2N 108.1W	
h ABOUT 34KM	
TUC EP	02 40 45.0
EL	43 55.0
ALQ IP	02 41 18.5
CED EP	02 41 36.5
BCN EP	02 41 45.0
EL	48 52.0
SLD EP	02 42 20.5
EUR IP D	02 42 24.0
FGU EP	02 42 29.2
BUT E(P)	02 43 14.6
ES	48 02.1
EL	53 23.9
BOZ EP	02 43 15.3
ES	47 50.0
EL	51 24.0
BMO EP	02 43 16.7
SJG IP C	02 45 08.5
IpP	45 15.5
IsP	45 18.3
COL EP	02 46 51.0
BRW EP	02 47 36.0
JUN 11	
H-03 01 05.4	
23.6N 119.9E	
h ABOUT 12KM	
BRW IP C	03 11 52.1
I	11 58.4
COL EP	03 12 17.7
BMO EP	03 14 26.9
BOZ EP	03 14 39.0

Date and Station	Phase (GCT)
	h m s
EUR EP	03 14 42.5
JUN 11	
ALQ EP	03 18 13.0
JUN 11	
H-03 40 24.4	
09.4N 126.5E	
h ABOUT 56KM	
BRW EP	03 52 12.9
COL E(P)	03 52 34.3
JUN 11	
EUR E(P)	04 12 41.5
JUN 11	
BOZ EP	04 52 31.5
IL	52 58.0
JUN 11	
H-05 04 15.1	
12.1S 166.6E	
h ABOUT 99KM	
COL EP	05 16 35.0
BRW E(P)	05 16 44.6
EUR EP	05 16 57.0
IpP	17 21.1
BMO E(P)	05 16 58.9
EpP	17 23.4
BOZ E(P)	05 17 11.5
EpP	17 42.5
JUN 11	
ALQ IP	05 14 31.2
IS	14 41.4
JUN 11	
BUT EP	05 21 37.9
JUN 11	
H-05 35 51.3	
43.1N 111.0W	
h ABOUT 33KM	
BOZ IP	05 36 30.5
BZM E(P)	05 36 31.5
FGU IP	05 36 32.3
IL	37 04.3
BUT E(P)	05 36 33.3
BMO EPN	05 37 03.3
EUR E(P)	05 37 09.8
I	37 18.0
EL	38 26.7
ALQ I(P)	05 38 07.5
I	38 37.0
JUN 11	
H-06 08 49.1	
35.8N 072.0E	
h ABOUT 98KM	

Date and Station	Phase (GCT)
	h m s
BRW EP C	06 19 37.3
COL EP	06 20 20.0
I	20 43.8
JUN 11	
COL IP	06 55 58.7
JUN 11	
BOZ EP	07 52 09.5
IL	52 42.5
FGU E(P)	07 52 14.5
EL	52 47.5
JUN 11	
H-08 42 17.8	
19.2N 108.2W	
h ABOUT 33KM	
TUC E(P)	08 45 21.8
ALQ IP	08 46 04.0
BCN E(P)	08 46 22.1
E	46 26.1
EUR IP	08 47 04.8
FGU EP	08 47 08.5
BOZ EP	08 47 50.0
BMO EP	08 47 54.2
E	48 09.6
COL E(P)	08 51 28.0
JUN 11	
H-09 22 14.2	
43.2N 111.3W	
h ABOUT 33KM	
BOZ EP	09 22 53.0
IS	23 22.5
FGU EP	09 22 53.5
IS	23 26.0
EUR E(P)	09 23 33.1
EL	24 59.2
JUN 11	
H-09 32 49.1	
43.1N 111.2W	
h ABOUT 33KM	
BOZ IP	09 33 28.5
IS	34 00.0
BZM E(P)	09 33 29.0
FGU EP	09 33 30.4
ES	34 02.0
EUR E(P)	09 34 06.0
EL	35 31.5
JUN 11	
H-09 36 53.3	
43.2N 111.2W	
h ABOUT 33KM	
FGU EP	09 37 34.1
ES	38 05.0

Date and Station	Phase (GCT)
	h m s
EUR E(P)	09 38 10.2
EL	39 35.0
JUN 11	
BOZ EP	09 39 14.0
IL	39 47.0
FGU E(P)	09 39 18.0
EL	39 48.5
JUN 11	
ALQ IP	09 48 40.2
TUC EP	09 48 45.0
JUN 11	
SLD IP C	10 09 22.5
IS	09 40.2
JUN 11	
EUR E(P)	10 10 44.7
JUN 11	
H-10 19 27.4	
43.2N 111.1W	
h ABOUT 33KM	
BOZ IP	10 20 05.9
IS	20 38.0
BZM E(P)	10 20 06.8
FGU IP	10 20 08.0
IL	20 42.5
BUT E(P)	10 20 14.5
BMO EPN	10 20 39.6
EUR E(P)	10 20 45.5
E	20 52.0
EL	22 08.0
JUN 11	
H-10 21 54.7	
38.9N 021.4E	
h ABOUT 36KM	
BRW EP	10 33 04.7
COL E(P)	10 33 40.0
BOZ EP	10 34 34.5
BMO E(P)	10 34 45.1
EUR E(P)	10 35 08.0
JUN 11	
ALQ E(P)	10 22 13.0
JUN 11	
H-10 29 55.7	
32.9S 177.6W	
h ABOUT 18KM	
EUR E(P)	10 43 03.3
JUN 11	
H-10 46 40.8	
43.1N 111.4W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
BOZ IP	10 47 20.5
IS	47 52.0
FGU EP	10 47 22.5
IL	47 57.0
EUR E(P)	10 48 01.5
EL	49 15.0
JUN 11	
H-10 46 58.4	
01.3S 126.5E	
h ABOUT 33KM	
BRW EP	10 59 42.3
COL E(P)	10 59 50.3
ALQ EP'	11 05 50.0
JUN 11	
H-10 53 10.9	
43.1N 111.4W	
h ABOUT 33KM	
BOZ EP	10 53 50.6
IS	54 19.5
FGU IP	10 53 53.1
IS	54 25.2
JUN 11	
COL E(P)	10 54 41.5
BOZ E(P)	10 57 37.0
BMO E(P)	10 57 41.8
E	57 50.9
EUR EP	10 58 22.5
I	58 31.6
JUN 11	
H-11 04 11.6	
14.6S 75.8W	
h ABOUT 41KM	
ALQ IP	11 13 56.0
FGU EP	11 14 40.4
EUR IP	11 14 55.8
BOZ E(P)	11 15 09.0
BMO EP	11 15 23.3
JUN 11	
BRW IP D	11 07 34.3
EUR IP	11 08 54.3
E	09 29.1
TUC EP	11 08 54.9
BMO EP	11 09 04.6
E	09 17.9
ALQ E(P)	11 09 16.0
COL IP	11 09 16.2

Date and Station	Phase (GCT)
	h m s
JUN 11	
H-11 19 30.4	
53.5N 167.5W	
h ABOUT 27KM	
ADK EP	11 20 56.5
IS	22 07.5
COL EP	11 23 05.0
ES	26 02.0
BRW EP	11 23 46.1
BMO EP	11 26 07.7
BOZ EP	11 26 32.5
I	26 36.0
EUR IP	11 26 43.0
BCN EP	11 27 06.3
E	27 12.8
FGU EP	11 27 08.0
TUC E(P)	11 27 46.7
JUN 11	
H-11 21 58.2	
53.5N 167.5W	
h ABOUT 57KM	
ADK IP	11 23 21.8
IS	24 27.5
COL EP	11 25 33.0
BRW IP	11 26 11.2
SIT IP	11 26 13.0
BMO EP	11 28 31.9
EPCP	31 14.3
BOZ EP	11 28 57.5
EPCP	31 20.5
EUR IP C	11 29 06.8
IPCP	31 26.5
TUC EP	11 30 11.0
JUN 11	
H-12 05 02.5	
37.4N 021.2E	
h ABOUT 47KM	
BRW EP C	12 16 19.9
COL E(P)	12 16 56.3
BOZ EP	12 17 46.0
BMO EP	12 17 58.1
JUN 11	
H-14 25 44.0	
53.4N 167.4W	
h ABOUT 33KM	
ADK EP	14 27 09.8
EL	28 20.4
COL EP	14 29 20.0

Date and Station	Phase (GCT)
	h m s
BRW EP	14 29 59.5
BOZ EP	14 32 45.0
EUR IP	14 32 54.3
TUC E(P)	14 33 59.5
JUN 11	
H-17 22 42.4	
53.5N 167.6W	
h ABOUT 52KM	
ADK EP	17 24 06.0
COL EP	17 26 14.0
EL	30 44.0
BRW IP C	17 26 58.5
BMO EP	17 29 17.9
BOZ EP	17 29 43.0
EUR IP	17 29 53.3
TUC E(P)	17 30 56.7
ALQ E(P)	17 31 04.0
EPCP	32 39.5
JUN 11	
EUR E(P)	17 47 58.5
JUN 11	
H-18 13 39.5	
51.6N 178.4W	
h ABOUT 48KM	
ADK IP	18 13 59.8
COL IP C	18 18 16.4
EPCP	22 13.0
ESCP	26 00.5
ESCS	29 37.3
BRW IP C	18 18 33.0
I	18 55.5
IPCP	22 27.8
ESCP	26 00.2
BMO EP	18 21 13.0
E	21 22.8
ESCP	26 58.6
SLD EP	18 21 30.5
BOZ IP	18 21 37.0
ESCP	27 12.0
EUR IP C	18 21 45.1
IPCP	23 27.7
ESCP	27 24.0
IS	28 23.4
BCN EP	18 22 08.9
I	22 27.5
FGU EP	18 22 09.8
GCA EP	18 22 17.5
TUC IP	18 22 44.5
E	22 54.0

Date and Station	Phase (GCT)
	h m s
ALQ IP	18 22 51.5
SJG IP	18 26 31.5
I	26 41.7
JUN 11	
ADK EP	19 05 39.0
JUN 11	
EUR E(P)	19 29 24.9
JUN 11	
H-22 29 37.4	
36.5N 070.5E	
h ABOUT 201KM	
COL EP	22 40 56.0
JUN 12	
H-00 28 25.1	
19.1S 169.6E	
h ABOUT 265KM	
COL E(P)	00 40 52.4
BCN EP	00 40 56.7
EUR IP C	00 40 58.2
E	42 10.3
BMO E(P)	00 41 03.7
TUC EP	00 41 04.4
JUN 12	
H-00 43 09.8	
36.7N 138.1E	
h ABOUT 23KM	
COL EP	00 52 10.0
BMO EP	00 54 44.5
E	54 59.0
BOZ EP	00 55 03.0
EUR IP	00 55 08.0
JUN 12	
ADK EP	00 46 54.0
JUN 12	
COL EP	01 57 01.2
EUR E(P)	01 57 24.1
BMO EP	01 57 34.2
E	57 56.3
JUN 12	
H-01 57 47.0	
19.2N 145.1E	
h ABOUT 191KM	
GUA E(P)	01 59 10.0
COL IP	02 07 54.7
BMO EP	02 09 46.7
E	10 31.3
EUR IP	02 10 01.0
BOZ IP	02 10 05.0
TUC EP	02 10 32.4
ALQ E(P)	02 10 42.5
JUN 12	
BOZ EP	02 56 22.2
JUN 12	
H-03 10 51.8	
17.0N 061.6W	
h ABOUT 33KM	
SJG IP	03 11 55.0
I	12 02.5
IL	12 53.0
BHP E(P)	03 15 22.0
ALQ IP	03 18 56.5
TUC IP C	03 19 23.0
E	19 31.0
BOZ IP	03 19 48.1
E	20 07.5
EUR IP C	03 20 01.8
E	20 20.7
BMO EP	03 20 14.7
E	20 27.0
COL IP	03 22 21.0
JUN 12	
EUR EP	03 26 12.2
TUC EP	03 26 14.0
BMO EP	03 26 21.8
JUN 12	
H-03 33 45.5	
13.8S 166.5E	
h ABOUT 52KM	
COL EP	03 46 19.0
BMO E(P)	03 46 42.3
JUN 12	
BCN EP	03 37 35.5
JUN 12	
H-03 56 20.1	
6.4N 073.0W	
h ABOUT 147KM	
BHP IP	03 57 59.5
IS	59 13.0
SJG IP	03 59 24.8
IS	04 01 36.5
ALQ IP	04 03 57.6
TUC EP	04 04 12.4
EUR IP	04 05 07.2
BOZ IP	04 05 12.0
BMO E(P)	04 05 32.2
JUN 12	
EUR EP	05 26 30.0
TUC E(P)	05 28 18.3
JUN 12	
COL EP	05 51 09.0
JUN 12	
TUC E(P)	06 02 14.0
JUN 12	
COL EP	06 22 37.0
JUN 12	
COL EP	06 32 51.0
JUN 12	
H-06 49 09.0	
52.8N 170.4E	
h ABOUT 33KM	
ADK EP	06 51 05.0
BRW IP D	06 54 17.7
COL EP	06 54 23.0
BOZ IP	06 57 55.0
EUR EP	06 58 06.7
I	58 12.1
JUN 12	
ALQ EP	07 13 28.4
JUN 12	
H-07 20 25.8	
13.1N 146.3E	
h ABOUT 161KM	
GUA E(P)	07 20 56.0
BRW EP	07 31 03.8
COL EP	07 31 08.0
BMO EP	07 32 46.0
E	33 01.4
EUR EP	07 32 57.8
BOZ EP	07 33 04.5
JUN 12	
TUC E(P)	07 40 26.7
JUN 12	
BOZ E(P)	09 02 41.7
JUN 12	
COL EP	09 10 40.5
JUN 12	
BMO E(P)	09 25 26.0
JUN 12	
BMO E(P)	09 43 14.7
JUN 12	
BCN IP D	10 34 11.0
IS	34 12.0
JUN 12	
BCN IP D	11 31 50.2
IS	31 51.7
JUN 12	
BMO E(P)	11 36 27.7
JUN 12	
COL EP	12 21 08.0
BMO E(P)	12 23 17.4
JUN 12	
H-12 41 31.3	
51.6N 173.1W	
h ABOUT 9KM	
ADK EP	12 42 08.1
ES	42 36.4
COL EP	12 45 51.0
BRW E(P)	12 46 17.6
BMO E(P)	12 48 41.5
BOZ EP	12 49 09.0
EUR IP	12 49 13.2
JUN 12	
ALQ IP	14 00 56.0
JUN 12	
SJG IP	14 17 30.5
IS	17 56.1
JUN 12	
BOZ EP	14 50 28.0
JUN 12	
BMO E(P)	14 55 14.8
JUN 12	
H-16 33 42.3	
22.8S 178.7W	
h ABOUT 401KM	
TUC EP	16 45 35.0
EUR E(P)	16 45 36.0
BMO EP	16 45 46.5
COL EP	16 45 59.0
JUN 12	
H-18 33 12.9	
17.5N 061.5W	
h ABOUT 27KM	
SJG EP	18 34 20.2
IL	35 14.8
JUN 12	
H-19 26 22.0	
28.9S 068.4W	
h ABOUT 97KM	
ALQ IP	19 37 43.0
TUC E(P)	19 37 43.4

Date and Station	Phase (GCT)
	h m s
EUR EP	19 38 29.2
E	38 58.5
BOZ IP	19 38 42.5
BMO EP	19 38 52.2
E	39 21.4
JUN 12	
COL EP	19 55 43.0
JUN 12	
H-20 20 58.0	
3.1S 028.1W	
h ABOUT 20KM	
TUC E(P)	20 33 35.0
BOZ IP	20 33 46.4
EUR IP	20 33 59.6
BMO EP	20 34 04.9
JUN 12	
ALQ EP	20 32 29.0
JUN 12	
BRW IP C	20 55 35.6
COL EP	20 55 53.6
JUN 12	
NEW EP	22 00 45.0
E	01 24.0
BMO EP	22 01 31.7
JUN 12	
ALQ EP	22 55 11.0
JUN 13	
H-01 03 52.7	
32.2N 054.4E	
h ABOUT 56KM	
COL EP	01 16 07.5
JUN 13	
H-01 10 09.4	
21.3S 070.0W	
h ABOUT 71KM	
BMO EP	01 22 05.8
E	22 19.6
JUN 13	
H-02 48 02.8	
7.6N 082.7W	
h ABOUT 15KM	
BHP IP	02 48 57.0
IS	49 35.0
SJG EP	02 52 29.0
ALQ EP	02 54 56.0
TUC E(P)	02 55 04.7
EUR EP	02 56 08.9
BMO EP	02 56 39.5

Date and Station	Phase (GCT)
	h m s
JUN 13	
BRW EP	02 49 33.4
JUN 13	
H-04 00 18.3	
16.8S 174.2W	
h ABOUT 182KM	
BCN EP	04 11 51.5
TUC EP	04 11 57.4
EUR IP	04 11 57.8
GCA EP	04 12 07.8
BMO EP	04 12 09.4
E	12 34.7
ALQ IP	04 12 21.0
I	12 46.0
HHM EP	04 12 29.2
COL IP	04 12 29.4
JUN 13	
BCN IP D	04 53 18.2
IS	53 19.2
JUN 13	
BMO EP	05 12 08.4
E	12 26.2
EUR E(P)	05 12 18.0
JUN 13	
H-05 27 18.7	
29.6S 071.5W	
h ABOUT 62KM	
TUC E(P)	05 38 37.6
ALQ I(P)	05 38 49.5
FGU EP	05 39 16.5
EPP	39 35.0
EUR IP	05 39 25.1
BMO EP	05 39 49.2
JUN 13	
TUC E(P)	06 20 16.3
JUN 13	
H-07 33 11.9	
21.3S 174.2E	
h ABOUT 35KM	
SLD EP	07 45 40.5
CED EP	07 45 47.0
BCN EP	07 45 59.7
EUR IP	07 46 03.6
TUC EP	07 46 07.0
ESKS	56 33.0
COL EP	07 46 10.0
ES	56 48.0

Date and Station	Phase (GCT)
	h m s
BMO EP	07 46 10.7
GCA EP	07 46 13.5
SLC EP	07 46 20.1
E	46 28.7
NEW EP	07 46 21.0
ALQ IP	07 46 27.0
BOZ EP	07 46 27.5
E(PP)	50 15.0
ES	57 46.0
FGU EP	07 46 28.6
BRW EP	07 46 28.8
SJG EP'	07 52 07.0
JUN 13	
TUC E(P)	07 58 48.5
JUN 13	
BRW EP	08 02 38.7
JUN 13	
COL EP	08 13 39.0
JUN 13	
COL EP	08 58 53.0
EUR IP	09 02 20.6
BMO E(P)	09 02 22.4
JUN 13	
COL EP	09 59 54.9
JUN 13	
COL EP	10 27 13.0
BMO E(P)	10 30 11.3
JUN 13	
ALQ EP	11 15 25.0
JUN 13	
H-11 27 24.1	
37.4N 072.3E	
h ABOUT 195KM	
BRW EP	11 37 52.1
COL IP	11 38 35.9
JUN 13	
BMO E(P)	11 57 55.8
JUN 13	
H-12 02 55.2	
59.4N 151.5W	
h ABOUT 55KM	
COL IP	12 04 20.0
IS	05 26.0
ADK EP	12 06 37.9
HHM EP	12 08 09.2
E	08 13.7
BMO EP	12 08 16.6

Date and Station	Phase (GCT)
	h m s
EUR IP	12 09 00.5
ALQ EP	12 10 10.6
TUC E(P)	12 10 11.8
JUN 13	
BCN IP	13 08 53.9
IS	08 55.0
JUN 13	
H-13 19 35.3	
73.4N 007.8E	
h ABOUT 33KM	
COL EP	13 27 20.0
BMO EP	13 29 13.4
E	29 39.1
FGU EP	13 29 29.4
EUR E(P)	13 29 49.8
ALQ EP	13 30 02.4
TUC E(P)	13 30 25.2
JUN 13	
H-13 35 10.0	
17.5N 061.5W	
h ABOUT 33KM	
SJG EP	13 36 16.5
EL	37 11.4
JUN 13	
H-14 13 01.4	
79.7N 003.8E	
h ABOUT 33KM	
COL E(P)	14 20 01.3
BMO EP	14 22 06.0
E	22 31.7
TUC E(P)	14 23 27.0
JUN 13	
COL E(P)	15 26 10.6
BMO E(P)	15 27 02.0
EUR IP	15 27 05.8
JUN 13	
EUR EP	16 31 33.8
JUN 13	
H-17 30 02.9	
53.5N 167.5W	
h ABOUT 33KM	
ADK EP	17 31 28.0
COL E(P)	17 33 26.0
BRW EP	17 34 18.8
EUR EP	17 37 13.0

Date and Station	Phase (GCT) h m s
JUN 13	
H-18 08 35.3	
12.2S 167.1E	
h ABOUT 228KM	
UKI EP	18 20 33.4
SLD IP C	18 20 38.0
IpP	21 39.5
ES	30 36.0
EPS	31 53.2
P'P'	47 03.0
SKPP'	50 54.0
P'P'P'	19 07 29.0
SIT IP	18 20 39.0
COL IP C	18 20 39.2
IpP	21 40.7
ES	30 41.5
EP'P'	46 54.5
BRW IP C	18 20 54.5
IpP	21 55.0
EPKKP	38 44.5
EP'P'	46 50.4
P'P'P'	19 07 29.7
EUR IP C	18 21 00.0
IpP	22 03.5
IPP	24 26.8
IPPP	26 09.5
I	29 12.2
IS	31 23.0
EPKKP	38 48.7
EP'P'	46 48.2
ESKPP'	49 50.0
P'P'P'	19 07 28.5
BCN IP C	18 21 00.0
IpP	22 01.5
ES	31 38.0
EP'P'	46 58.0
P'P'P'	19 07 27.0
BMO EP	18 21 02.8
EpP	22 05.7
NEW IP	18 21 09.0
TUC IP C	18 21 11.4
EpP	22 13.0
ES	31 43.0
EPKKP	38 42.5
EP'P'	46 50.0
P'P'P'	19 07 42.0
GCA IP C	18 21 13.5
EpP	22 12.5
ES	31 52.5
EP'P'	46 53.5
P'P'P'	19 07 37.0
SLC IP	18 21 16.5
IpP	22 18.3
HHM IP	18 21 18.2
I	22 12.1
ESP	33 37.7
EPKKP	38 36.7
EP'P'	46 41.1
BUT IP	18 21 19.9
I	21 22.4
ESKS	31 29.9
ESP	33 20.9
BOZ IP	18 21 22.5
IpP	22 19.0
EPP	25 00.0
ESKS	31 30.0
EP'P'	46 44.0
P'P'P'	19 07 20.5
FGU IP C	18 21 25.6
ESKS	31 38.5
ES	32 10.5
EP'P'	46 43.0
ALQ IP	18 21 29.4
IPP	25 17.0
CSC EP'	18 26 50.6
ESKS	33 18.0
SJG IP'C	18 27 15.2
IpP'	28 15.2
IPP	29 22.7
ISKP	30 12.7
IPKS	30 38.2
pPKS	31 39.0
sPKS	32 03.7
IPPP	32 22.0
EpPPP	33 20.2
SKKS	35 18.0
ES	37 46.0
ESKKP	40 16.5
ESPP	40 47.0
ESS	46 23.0
EsSS	47 48.0
ESSS	50 44.0
EL	19 01 36.0
JUN 13	
KIP P	18 20 35.2
JUN 13	
BRW E(P)	18 25 00.5
COL EP	18 25 54.3
FGU E(P)	18 26 13.5
I	26 16.3
JUN 13	
EUR IP	18 33 10.6
JUN 13	
COL IP	20 05 51.5
JUN 13	
COL EP	20 43 07.0
JUN 13	
H-21 05 35.4	
33.7N 118.0W	
h ABOUT 8KM	
CED IP D	21 05 51.2
IS	06 03.7
BCN E(P)	21 06 31.5
E	06 44.5
EL	07 26.5
EUR IP	21 07 08.2
JUN 13	
NEW EP	22 00 45.0
E	01 25.0
BMO EP	22 01 31.2
BOZ E(P)	22 02 04.0
JUN 13	
TUC E(P)	22 05 55.5
E	06 04.4
JUN 13	
COL IP	22 16 08.6
JUN 13	
ALQ IP	22 47 52.2
I	48 17.6
JUN 14	
BMO E(P)	00 24 31.0
JUN 14	
H-00 35 19.6	
07.9N 103.0W	
h ABOUT 33KM	
TUC E(P)	00 40 44.2
EUR EP	00 42 00.1
BMO E(P)	00 42 44.1
E	42 54.8
JUN 14	
H-01 51 59.1	
53.4N 167.4W	
h ABOUT 33KM	
ADK EP	01 53 25.4
EL	54 39.0
BRW EP	01 56 14.9
BOZ E(P)	01 59 00.0
EUR EP	01 59 09.0
JUN 14	
COL IP	02 15 02.9
EUR EP	02 15 24.5
BMO E(P)	02 15 24.7
JUN 14	
H-02 38 37.2	
20.8S 178.6W	
h ABOUT 545KM	
EUR IP	02 50 10.0
TUC EP	02 50 10.8
BMO EP	02 50 20.3
ALQ EP	02 50 30.9
COL IP	02 50 31.6
BOZ IP	02 50 38.5
JUN 14	
H-02 45 57.0	
38.1N 042.9E	
h ABOUT 42KM	
COL EP	02 57 47.0
HHM E(P)	02 58 57.6
E	59 05.6
NEW EP	02 59 06.0
BOZ E(P)	02 59 12.0
BMO E(P)	02 59 19.8
EUR E(P)	02 59 47.2
JUN 14	
H-03 16 04.4	
.2S 019.1W	
h ABOUT 21KM	
ALQ EP	03 28 55.0
JUN 14	
ALQ IP	04 50 16.0
JUN 14	
SLD IP	06 06 20.0
IL	06 48.0
JUN 14	
SLD EP	06 09 49.0
IS	10 02.0
JUN 14	
BOZ E(P)	06 33 24.5
JUN 14	
EUR E(P)	08 22 32.0
BMO EP	08 22 38.7
JUN 14	
H-08 54 49.5	
18.2S 068.6W	
h ABOUT 83KM	
SJG IP	09 01 46.5
ALQ EP	09 05 15.5
E	05 49.0
TUC E(P)	09 05 18.7
BCN EP	09 05 51.0
FGU EP	09 05 54.6
EUR EP	09 06 09.2
E	07 13.8
BOZ IP	09 06 21.7
BMO EP	09 06 34.0
EsP	07 08.1
JUN 14	
BMO EP	09 35 15.8
JUN 14	
COL EP	09 43 45.0

Date and Station	Phase (GCT)
	h m s
JUN 14	
GCA EP	10 45 44.2
IS	46 02.5
EUR EP	10 46 22.0
ALQ EP	10 47 06.0
JUN 14	
COL EP	10 50 36.0
JUN 14	
H-11 54 57.5	
8.1N 037.3W	
h ABOUT 33KM	
ALQ IP	12 05 57.5
FGU EP	12 06 16.5
TUC E(P)	12 06 18.9
SLC EP	12 06 26.9
E	06 44.8
BOZ EP	12 06 28.0
HHM EP	12 06 37.6
BCN EP	12 06 41.5
EUR IP	12 06 45.0
BMO EP	12 06 49.7
E	07 03.3
COL EP	12 08 01.0
JUN 14	
EUR EP	12 25 57.8
JUN 14	
EUR IP	12 43 38.8
BMO E(P)	12 44 13.4
JUN 14	
H-12 45 15.6	
40.0N 120.5W	
h ABOUT 33KM	
SLD EP	12 46 05.5
IS	46 41.5
EUR EP	12 46 08.9
I	46 18.2
IL	47 03.4
JUN 14	
BMO E(P)	12 46 59.0
JUN 14	
H-15 41 29.1	
41.5N 110.6W	
h ABOUT 33KM	
FGU IP C	15 41 47.6
IS	42 08.5
BOZ EP	15 42 32.0
EL	43 28.5
EUR EP	15 42 37.1

Date and Station	Phase (GCT)
	h m s
JUN 14	
BCN IP	15 44 39.2
IS	44 40.7
JUN 14	
H-16 39 51.0	
05.4S 124.4E	
h ABOUT 660KM	
BRW EP	16 51 51.4
E▸P	54 09.5
BMO EPP	16 58 21.5
EUR IP'	16 57 24.8
EPP	58 38.4
EPKKP	17 07 58.0
BOZ EP'	16 57 26.5
EPP	58 40.0
ALQ EP'	16 57 41.8
JUN 14	
BMO E(P)	16 59 59.0
JUN 14	
BMO E(P)	18 11 02.5
JUN 14	
EUR E(P)	19 12 01.5
JUN 14	
EUR EP	20 06 34.0
JUN 14	
BOZ EP	20 38 41.5
IL	39 12.5
JUN 14	
BOZ EP	20 55 41.0
IL	56 12.5
JUN 14	
H-21 03 48.0	
30.7N 138.7E	
h ABOUT 394KM	
BRW IP	21 12 28.0
E▸P	13 48.8
COL EP	21 12 46.0
NEW IP	21 14 56.2
E▸P	16 25.0
HHM IP	21 15 04.1
I▸P	16 34.6
BMO EP	21 15 05.2
E(▸P)	16 30.9
SLD EP	21 15 13.5
E▸P	16 43.0
BOZ IP	21 15 20.5
I▸P	16 51.0
EUR IP D	21 15 24.7
I▸P	16 55.0
BCN EP	21 15 38.7
E▸P	17 08.1

Date and Station	Phase (GCT)
	h m s
ALQ IP	21 16 08.5
I▸P	17 38.4
JUN 14	
BOZ EP	21 48 32.5
JUN 14	
ALQ IP	22 29 06.4
I	29 13.5
IS	29 53.5
JUN 14	
ALQ IP	22 54 09.0
IS	54 34.0
JUN 14	
NEW IP	23 35 35.6
JUN 15	
H-00 59 46.0	
10.4S 160.8E	
h ABOUT 34KM	
GUA EP	01 05 41.0
HON I(P)	01 08 58.6
IS	16 29.0
IL	21 05.0
COL EP	01 12 14.0
IS	22 46.0
SIT IP	01 12 20.0
IS	22 50.0
UKI EP	01 12 24.2
ES	22 57.0
BRW IP C	01 12 25.5
I	12 30.1
SLD EP	01 12 27.9
ES	23 04.0
CED EP	01 12 39.8
EUR EP	01 12 50.0
BCN EP	01 12 50.7
IPP	16 22.5
EPKKP	30 45.0
EP'P'	38 30.8
BMO EP	01 12 50.9
NEW IP	01 12 54.8
HHM EP	01 13 03.6
ESKS	23 06.3
E(S)	23 54.5
EPKKP	30 17.9
EP'P'	38 09.4
SLC EP	01 13 04.7
GCA EP	01 13 07.0
BUT EP	01 13 07.8
ES	24 25.8
BOZ EP	01 13 08.7
I	13 10.9

Date and Station	Phase (GCT)
	h m s
FGU EP	01 13 17.5
EPP	17 23.0
ALQ IP	01 13 21.5
IS	24 40.0
CSC EP'	01 18 34.5
ES	27 50.0
WSC EP'	01 18 43.5
EPP	20 05.0
EPKKP	28 41.5
ESKKP	32 39.0
SJG EP'	01 19 03.0
EPP	21 31.8
IPKS	22 32.0
E	23 23.0
ISKKP	32 12.3
ESS	39 10.0
JUN 15	
H-01 12 47.5	
10.5S 160.9E	
h ABOUT 33KM	
COL E(P)	01 25 11.1
BRW E(P)	01 25 26.0
BCN EP	01 25 53.2
JUN 15	
BHP EP	01 15 06.0
JUN 15	
COL I(P)	01 16 31.5
BRW I(P)	01 16 43.3
SLD E(P)	01 16 45.5
BCN EP	01 17 09.0
JUN 15	
FGU I(P)	01 19 35.1
JUN 15	
COL IP	01 22 04.6
EUR IP C	01 22 40.7
BCN EP	01 22 42.0
I	22 50.0
JUN 15	
BCN EP	01 23 40.5
JUN 15	
ADK EP	01 24 09.3
COL EP	01 25 53.0
BRW IP	01 26 09.5
JUN 15	
SLD EP	01 26 14.5
BMO E(P)	01 26 36.2
BCN EP	01 26 36.9
JUN 15	
FGU I(P)	01 28 00.0

Date and Station	Phase (GCT) h m s
JUN 15	
SLD EP	01 31 22.0
JUN 15	
H-01 32 10.5	
10.4S 161.2E	
h ABOUT 33KM	
ADK EP	01 42 47.4
COL EP	01 44 38.2
BMO EP	01 45 13.8
BCN EP	01 45 14.0
NEW IP	01 45 17.0
JUN 15	
H-01 32 54.0	
10.2S 160.9E	
h ABOUT 23KM	
HON I(P)	01 42 04.2
ADK IP	01 43 32.0
COL E(P)	01 45 17.0
ES	55 50.0
BRW IP	01 45 32.5
I	45 40.2
UKI E(P)	01 45 32.7
CED EP	01 45 48.9
BCN EP	01 45 58.4
NEW IP	01 46 01.9
HHM EP	01 46 11.4
SLC IP	01 46 14.2
I	46 42.8
BUT EP	01 46 15.3
BOZ IP	01 46 17.0
FGU IP	01 46 24.4
BMO E(P)	01 46 58.2
E	47 07.3
CSC EP'	01 51 27.0
WSC EP'	01 51 50.0
EPP	53 11.5
EPKKP	02 01 51.0
SJG EP'	01 52 11.0
EPKS	55 26.5
JUN 15	
BMO E(P)	01 37 26.4
JUN 15	
BCN EP	01 44 22.5
JUN 15	
BRW IP	01 47 39.0

Date and Station	Phase (GCT) h m s
JUN 15	
COL EP	01 57 37.3
JUN 15	
BCN EP	01 58 16.5
JUN 15	
BCN EP	02 04 08.1
JUN 15	
SIT E(P)	02 00 28.0
JUN 15	
H-02 05 38.0	
10.2S 160.6E	
h ABOUT 22KM	
COL EP	02 18 07.0
BRW IP	02 18 18.1
BMO EP	02 18 44.0
E	18 51.8
BCN E(P)	02 18 44.3
HHM E(P)	02 18 56.4
ALQ E(P)	02 19 15.0
JUN 15	
COL E(P)	02 07 31.4
EUR IP D	02 10 39.2
BCN E(P)	02 10 40.5
JUN 15	
COL EP	02 10 02.0
FGU EP	02 15 50.4
BCN E(P)	02 16 46.0
JUN 15	
COL EP	02 14 15.0
JUN 15	
H-02 19 48.4	
17.1N 094.8W	
h ABOUT 54KM	
TUC EP	02 24 29.5
BCN EP	02 25 20.0
BOZ E(P)	02 26 11.8
JUN 15	
COL EP	02 20 39.8
BMO E(P)	02 26 05.1
E	26 29.3
BCN EP	02 26 32.8
JUN 15	
COL EP	02 24 59.0
BRW E(P)	02 26 40.4
ADK E(P)	02 26 43.5

Date and Station	Phase (GCT) h m s
BMO E(P)	02 29 00.5
E	29 11.8
BOZ EP	02 29 32.5
JUN 15	
COL E(P)	02 28 20.5
BRW EP	02 28 45.4
JUN 15	
H-02 36 27.0	
10.7S 161.0E	
h ABOUT 33KM	
COL IP	02 48 56.4
BRW EP	02 49 07.5
EUR EP C	02 49 31.3
BMO EP	02 49 32.0
BCN EP	02 49 32.8
JUN 15	
COL E(P)	02 39 09.7
JUN 15	
FGU EP	02 47 16.5
JUN 15	
H-02 47 21.7	
10.7S 161.1E	
h ABOUT 33KM	
COL E(P)	02 59 51.2
EUR EP C	03 00 25.9
BMO E(P)	03 00 26.4
E	00 43.0
BCN EP	03 00 28.0
JUN 15	
H-02 49 41.0	
10.0S 160.6E	
h ABOUT 33KM	
COL EP	03 02 09.3
EUR EP	03 02 44.5
BMO EP	03 02 45.1
BCN E(P)	03 02 46.0
JUN 15	
COL EP	02 56 34.0
BCN EP	02 57 14.8
BOZ E(P)	02 57 28.0
JUN 15	
H-02 57 22.2	
10.2S 160.9E	
h ABOUT 33KM	
COL EP	03 09 49.0
EUR IP C	03 10 26.0
E	10 58.0

Date and Station	Phase (GCT) h m s
BMO E(P)	03 10 26.1
E	10 35.5
BCN E(P)	03 10 33.2
BOZ EP	03 10 45.5
JUN 15	
ALQ E(P)	03 05 00.0
BOZ E(P)	03 05 30.0
JUN 15	
H-03 03 31.8	
10.2S 160.7E	
h ABOUT 17KM	
COL IP	03 16 01.7
BRW IP C	03 16 12.1
I	16 15.7
SLD EP	03 16 17.5
EUR IP C	03 16 38.0
BMO EP	03 16 38.4
E	16 50.4
BCN EP	03 16 39.5
NEW IP	03 16 42.3
TUC EP	03 16 51.0
HHM E(P)	03 16 51.4
E	17 08.9
ALQ E(P)	03 16 51.5
BOZ EP	03 16 58.0
JUN 15	
H-03 27 18.7	
10.1S 161.1E	
h ABOUT 33KM	
ADK EP	03 37 55.0
COL IP	03 39 45.0
BRW EP	03 39 55.2
EUR IP C	03 40 21.5
BMO E(P)	03 40 22.0
BCN EP	03 40 23.0
BOZ EP	03 40 41.0
JUN 15	
H-03 32 11.9	
10.5S 161.0E	
h ABOUT 33KM	
ADK EP	03 42 50.3
COL EP	03 44 41.0
BRW E(P)	03 44 50.0
EUR IP D	03 45 16.0

Date and Station	Phase (GCT)
	h m s
BMO EP	03 45 16.5
BCN EP	03 45 17.5
BOZ EP	03 45 36.0
JUN 15	
H-03 35 50.0	
10.4S 161.0E	
h ABOUT 33KM	
ADK E(P)	03 46 28.5
COL EP	03 48 18.0
EUR IP D	03 48 54.0
BMO E(P)	03 48 54.3
BOZ E(P)	03 49 13.0
JUN 15	
FGU EP	03 40 24.0
JUN 15	
H-03 39 29.0	
10.5S 161.1E	
h ABOUT 33KM	
ADK E(P)	03 50 08.1
COL EP	03 51 58.0
BRW EP	03 52 08.7
EUR IP D	03 52 33.4
BMO E(P)	03 52 33.5
E	52 44.3
H-03 41 17.1	
10.5S 161.0E	
h ABOUT 44KM	
COL IP	03 53 44.6
BRW EP	03 53 55.6
EUR IP C	03 54 19.7
BMO E(P)	03 54 20.5
BCN EP	03 54 21.0
BOZ EP	03 54 39.0
JUN 15	
H-03 43 55.2	
10.5S 161.0E	
h ABOUT 33KM	
SLD E(P)	03 56 38.0
EUR EP C	03 56 58.0
BMO EP	03 56 58.9
BCN EP	03 57 00.5
HHM E(P)	03 57 12.4
BOZ EP	03 57 18.8
ALQ EP	03 57 31.2

Date and Station	Phase (GCT)
	h m s
JUN 15	
ADK EP	03 51 54.5
COL IP	03 56 23.1
BRW E(P)	03 56 33.0
EUR IP D	03 59 02.5
JUN 15	
ADK IP	03 54 34.6
JUN 15	
H-04 04 40.8	
10.5S 161.0E	
h ABOUT 41KM	
COL IP	04 17 07.9
BRW EP	04 17 19.2
EUR IP	04 17 44.0
BMO EP	04 17 44.2
E	17 52.2
BCN EP	04 17 45.0
BOZ EP	04 18 03.5
ALQ E(P)	04 18 09.2
FGU E(P)	04 18 13.4
JUN 15	
COL EP	04 10 39.0
EUR EP D	04 11 14.3
BOZ E(P)	04 11 30.0
JUN 15	
BOZ EP	04 12 04.0
JUN 15	
COL EP	04 21 48.0
EUR E(P)	04 22 25.5
JUN 15	
COL EP	04 23 41.0
JUN 15	
EUR EP D	04 30 10.4
JUN 15	
H-04 26 53.2	
10.4S 161.1E	
h ABOUT 33KM	
ADK EP	04 37 31.1
COL IP	04 39 21.1
BRW EP	04 39 31.8
SLD EP	04 39 38.0
BMO EP	04 39 56.0
EUR IP	04 39 56.9
BCN EP	04 39 58.0

Date and Station	Phase (GCT)
	h m s
NEW EP	04 40 01.0
TUC E(P)	04 40 09.0
HHM E(P)	04 40 12.3
BOZ EP	04 40 16.2
I	40 19.5
ALQ EP	04 40 26.5
JUN 15	
EUR EP	04 32 44.0
JUN 15	
EUR E(P)	04 36 08.5
JUN 15	
BCN EP	04 44 10.5
JUN 15	
EUR IP D	04 54 57.5
JUN 15	
COL E(P)	04 58 03.7
JUN 15	
COL EP	05 06 33.3
EUR E(P)	05 07 10.3
JUN 15	
EUR EP	05 14 00.0
JUN 15	
FGU EP	05 27 19.0
COL EP	05 27 56.0
EUR EP	05 28 31.1
BMO E(P)	05 28 31.2
BCN EP	05 28 32.5
JUN 15	
COL EP	05 33 37.0
EUR IP	05 34 12.8
BCN EP	05 34 20.0
JUN 15	
COL EP	05 39 29.0
EUR EP D	05 40 05.4
JUN 15	
EUR E(P)	05 50 29.5
JUN 15	
ALQ IP	06 00 27.0
JUN 15	
H-06 00 43.6	
10.4S 161.1E	
h ABOUT 33KM	
COL IP	06 13 11.5
BMO E(P)	06 13 47.1
EUR EP	06 13 46.9

Date and Station	Phase (GCT)
	h m s
BCN EP	06 13 48.0
BOZ E(P)	06 14 07.0
JUN 15	
EUR E(P)	06 04 45.2
JUN 15	
H-06 04 56.0	
30.4S 177.8W	
h ABOUT 26KM	
EUR EP	06 17 55.3
JUN 15	
H-06 09 14.2	
10.2S 160.6E	
h ABOUT 33KM	
COL IP	06 21 42.6
EUR EP	06 22 18.7
I	22 25.3
BMO EP	06 22 19.2
E	22 34.2
BCN EP	06 22 20.0
BOZ EP	06 22 38.5
JUN 15	
COL IP	06 20 32.0
BMO E(P)	06 21 08.6
EUR IP	06 21 08.9
BCN EP	06 21 10.0
JUN 15	
HON IP	06 23 01.0
ES	30 48.0
JUN 15	
EUR EP	06 25 12.5
JUN 15	
H-06 13 52.2	
10.1S 160.9E	
h ABOUT 41KM	
COL IP	06 26 18.3
BRW EP C	06 26 28.0
I	26 36.0
SLD EP	06 26 33.0
BMO EP	06 26 55.0
E	27 28.9
EUR IP	06 26 55.0
BCN IP C	06 26 56.0
EPP	30 31.0
NEW IP	06 26 58.6
TUC E(P)	06 27 04.4
HHM EP	06 27 08.4

Date and Station	Phase (GCT)
	h m s
BOZ IP	06 27 14.5
E	27 22.7
ALQ IP	06 27 25.4
JUN 15	
H-06 39 51.3	
10.9S 161.2E	
h ABOUT 33KM	
COL E(P)	06 52 16.0
EUR IP	06 52 51.8
BOZ EP	06 53 15.0
JUN 15	
ALQ IP	06 42 02.5
JUN 15	
EUR E(P)	06 44 59.0
JUN 15	
EUR IP D	06 49 35.0
JUN 15	
H-06 56 26.5	
10.3S 160.7E	
h ABOUT 33KM	
COL EP	07 08 54.0
BRW E(P)	07 09 06.2
BMO E(P)	07 09 31.4
EUR IP	07 09 31.8
BCN EP	07 09 32.5
BOZ EP	07 09 50.9
JUN 15	
COL EP	07 11 22.0
EUR EP	07 11 58.2
JUN 15	
EUR EP	07 23 21.6
JUN 15	
H-07 30 47.8	
10.5N 062.4W	
h ABOUT 7KM	
BOZ E(P)	07 40 15.5
EUR E(P)	07 40 24.0
JUN 15	
H-07 31 03.6	
10.6S 160.7E	
h ABOUT 33KM	
COL EP	07 43 32.0
EUR IP	07 44 08.2
BMO E(P)	07 44 09.6
E	44 20.7
JUN 15	
BCN EP	07 36 30.0

Date and Station	Phase (GCT)
	h m s
JUN 15	
H-07 54 10.8	
10.3S 161.2E	
h ABOUT 33KM	
ADK E(P)	08 04 49.0
COL EP	08 06 38.0
EUR EP	08 07 14.1
JUN 15	
EUR E(P)	07 55 24.2
E	55 40.3
JUN 15	
EUR EP	08 02 38.4
JUN 15	
BMO E(P)	08 42 34.7
BOZ EP	08 42 50.3
JUN 15	
EUR EP	08 44 38.0
JUN 15	
EUR E(P)	08 49 50.3
JUN 15	
EUR E(P)	08 51 13.5
JUN 15	
H-08 59 47.9	
10.3S 161.0E	
h ABOUT 33KM	
COL EP	09 12 15.0
BMO E(P)	09 12 51.8
EUR IP	09 12 51.8
BOZ EP	09 13 11.0
JUN 15	
EUR EP	09 15 23.0
JUN 15	
H-09 31 25.4	
10.7S 161.2E	
h ABOUT 33KM	
COL EP	09 43 54.5
BMO E(P)	09 44 29.1
EUR IP	09 44 29.9
BOZ EP	09 44 49.5
JUN 15	
EUR EP	09 37 01.0
JUN 15	
H-09 38 58.5	
10.6S 161.0E	
h ABOUT 33KM	
ADK EP	09 49 38.3
COL EP	09 51 26.0
EUR IP	09 52 01.5

Date and Station	Phase (GCT)
	h m s
BMO EP	09 52 04.5
E	52 31.4
BCN EP	09 52 04.5
BOZ EP	09 52 24.2
JUN 15	
EUR EP	09 39 20.3
JUN 15	
H-09 57 06.1	
10.4S 161.2E	
h ABOUT 33KM	
ADK E(P)	10 07 44.2
COL IP	10 09 34.1
BRW E(P)	10 09 45.8
BMO E(P)	10 10 09.3
EUR IP	10 10 09.8
BCN EP	10 10 10.5
JUN 15	
COL EP	10 05 01.0
EUR IP	10 05 36.2
JUN 15	
COL EP	10 18 10.0
EUR EP	10 18 44.0
BMO E(P)	10 18 45.3
JUN 15	
COL EP	10 23 38.0
EUR EP	10 24 14.5
BMO E(P)	10 24 36.7
JUN 15	
COL EP	10 24 11.0
EUR IP	10 24 47.3
JUN 15	
EUR EP	10 28 41.5
JUN 15	
H-10 24 22.2	
10.4S 161.4E	
h ABOUT 33KM	
COL E(P)	10 36 49.0
EUR IP D	10 37 26.7
JUN 15	
EUR EP	10 44 18.0
COL E(P)	10 44 44.4
JUN 15	
EUR EP	10 55 14.3
JUN 15	
EUR E(P)	11 04 43.7

Date and Station	Phase (GCT)
	h m s
JUN 15	
EUR E(P)	11 09 15.5
JUN 15	
H-11 11 00.1	
10.3S 161.3E	
h ABOUT 33KM	
COL IP	11 23 27.1
BMO E(P)	11 24 01.7
EUR EP	11 24 03.6
JUN 15	
H-11 21 54.9	
10.2S 161.3E	
h ABOUT 33KM	
COL EP	11 34 22.0
EUR IP D	11 34 58.4
BMO E(P)	11 34 59.8
JUN 15	
H-11 27 03.8	
10.5S 161.1E	
h ABOUT 33KM	
COL EP	11 39 33.0
EUR IP	11 40 08.5
BMO E(P)	11 40 08.7
JUN 15	
H-11 32 28.9	
28.9S 071.1W	
h ABOUT 52KM	
COL EP'	11 50 48.0
JUN 15	
EUR E(P)	11 51 23.5
JUN 15	
EUR EP	11 54 23.0
JUN 15	
EUR EP	12 42 41.3
JUN 15	
COL E(P)	13 04 28.2
JUN 15	
JUN 15	
COL EP	13 10 10.0
EUR EP	13 10 46.4
JUN 15	
COL EP	13 52 35.0
JUN 15	
EUR EP	14 06 14.9
JUN 15	
H-14 08 58.9	
10.1S 160.9E	
h ABOUT 33KM	
COL IP	14 21 26.5

Date and Station	Phase (GCT)
	h m s
EUR IP	14 22 03.7
JUN 15	
COL EP	14 26 51.0
EUR EP	14 27 24.2
JUN 15	
H-14 38 38.2	
10.0S 160.8E	
h ABOUT 33KM	
COL IP	14 51 05.7
EUR IP	14 51 42.6
JUN 15	
SLD E(P)	14 43 14.3
IS	43 29.7
JUN 15	
COL EP	15 24 34.0
JUN 15	
H-15 31 53.6	
56.0N 161.8E	
h ABOUT 33KM	
BRW EP	15 37 02.7
COL EP	15 37 23.0
BMO EP	15 40 44.7
E	40 56.9
E	42 09.7
BOZ EP	15 41 02.5
EUR IP	15 41 19.0
JUN 15	
EUR E(P)	15 32 05.5
JUN 15	
EUR E(P)	15 37 00.8
JUN 15	
ALQ IP	15 53 57.5
IS	54 28.4
JUN 15	
EUR E(P)	15 56 41.7
JUN 15	
COL EP	16 03 37.0
JUN 15	
BHP EP	16 17 31.0
ES	18 15.0
JUN 15	
H-16 17 14.3	
10.7S 161.1E	
h ABOUT 27KM	
COL EP	16 29 44.0
BRW E(P)	16 29 55.5
EUR IP	16 30 18.9
BMO EP	16 30 19.3
E	30 32.0

Date and Station	Phase (GCT)
	h m s
BCN EP	16 30 20.4
TUC E(P)	16 30 32.0
BOZ EP	16 30 38.0
ALQ EP	16 30 51.2
JUN 15	
COL IP	16 22 33.2
JUN 15	
H-16 36 23.7	
10.3S 160.7E	
h ABOUT 15KM	
HON I(P)	16 45 38.4
EL	17 00 16.0
COL IP	16 48 54.6
BRW IP D	16 49 06.7
SLD IP	16 49 09.0
EUR IP	16 49 31.0
BMO EP	16 49 31.3
E	49 43.3
BCN EP	16 49 31.5
NEW IP	16 49 34.9
HHM EP	16 49 42.3
TUC E(P)	16 49 44.0
BOZ IP	16 49 49.6
ALQ IP	16 50 02.0
JUN 15	
EUR EP	16 38 08.9
BMO E(P)	16 38 09.1
E	38 19.4
JUN 15	
BMO EP	16 55 14.5
COL IP	16 55 25.6
JUN 15	
EUR E(P)	17 33 01.4
I	33 26.3
JUN 15	
COL IP	18 01 32.2
JUN 15	
EUR I(P)	18 14 46.8
JUN 15	
EUR E(P)	18 32 38.7
JUN 15	
H-18 39 52.4	
10.4S 160.7E	
h ABOUT 33KM	
COL E(P)	18 52 20.0
EUR EP	18 52 56.5

Date and Station	Phase (GCT)
	h m s
BMO E(P)	18 52 57.4
E	53 06.0
BOZ E(P)	18 53 18.0
JUN 15	
SLD E(P)	18 52 50.5
ES	53 08.0
JUN 15	
BMO E(P)	19 26 13.4
JUN 15	
COL EP	19 38 47.0
EUR EP	19 39 23.9
BMO E(P)	19 39 24.2
E	39 34.0
JUN 15	
EUR EP	19 46 57.3
JUN 15	
ALQ IP	19 48 28.2
I	49 04.0
JUN 15	
H-19 58 58.2	
10.3S 161.0E	
h ABOUT 21KM	
COL EP	20 11 27.7
I	11 36.3
BRW EP	20 11 39.7
E	11 48.2
BMO EP	20 12 03.5
E	12 12.6
EUR IP	20 12 03.8
NEW EP	20 12 08.0
JUN 15	
COL IP	20 05 29.9
JUN 15	
H-20 27 49.0	
10.2S 161.0E	
h ABOUT 33KM	
COL EP	20 40 16.0
EUR IP	20 40 52.0
BMO E	20 40 52.6
E	41 01.7
JUN 15	
H-20 49 20.9	
11.3S 167.1E	
h ABOUT 150KM	
COL EP	21 01 29.7
BRW E(P)	21 01 46.0
EUR IP	21 01 52.0
BMO EP	21 01 54.7
E	02 10.9

Date and Station	Phase (GCT)
	h m s
TUC E(P)	21 02 03.0
BOZ EP	21 02 13.5
JUN 15	
H-21 13 54.4	
10.4S 161.2E	
h ABOUT 33KM	
COL EP	21 26 22.0
EUR EP	21 26 58.1
JUN 15	
HHM E(P)	21 35 11.9
JUN 15	
BCN EP	21 45 45.0
JUN 15	
NEW IP	22 00 44.9
HHM E(P)	22 01 08.9
E	01 55.3
BMO EPN	22 01 31.7
EUR EP	22 01 40.5
JUN 15	
SLD IP C	22 29 03.7
IS	29 11.4
JUN 15	
H-22 43 37.5	
11.2S 167.1E	
h ABOUT 94KM	
COL EP	22 55 52.0
BRW E(P)	22 56 08.5
EUR IP	22 56 14.5
BMO EP	22 56 15.8
E	56 33.0
HHM E(P)	22 56 32.3
BOZ EP	22 56 35.5
JUN 15	
EUR E(P)	22 43 49.3
JUN 15	
SJG EP	22 47 34.0
JUN 15	
ALQ IP	22 59 22.0
JUN 15	
HHM EP	23 20 48.4
JUN 15	
H-23 25 26.2	
44.2N 149.0E	
h ABOUT 33KM	
BRW IP D	23 32 38.5
COL IP	23 32 58.9
NEW IP	23 35 38.1

Date and Station	Phase	Phase (GCT) h m s
BMO	EP	23 35 51.0
BOZ	EP	23 36 08.6
EUR	IP	23 36 17.8
TUC	E(P)	23 37 05.7
ALQ	EP	23 37 10.0
JUN 15		
SLD	EP	23 55 52.0
JUN 16		
EUR	EP	00 02 16.7
BMO	EP	00 02 17.8
	E	02 27.5
JUN 16		
H-00 03 47.7		
10.5S 161.0E		
h ABOUT 33KM		
COL	EP	00 16 16.0
BRW	EP	00 16 28.3
EUR	IP	00 16 52.4
BMO	EP	00 16 53.1
	E	17 24.6
BCN	EP	00 16 54.0
NEW	EP	00 16 57.0
BOZ	EP	00 17 11.0
JUN 16		
COL	EP	00 32 06.0
ALQ	EP	00 32 23.2
EUR	E(P)	00 32 36.0
JUN 16		
COL	IP	00 36 28.6
JUN 16		
ALQ	EP	00 44 16.8
JUN 16		
BCN	EP C	01 45 20.0
EUR	IP	01 45 33.1
CED	E(P)	01 45 43.7
	ELG	46 38.0
GCA	EP	01 46 00.3
	E	46 52.0
SLD	EP	01 46 09.5
	EL	47 06.5
SLC	E(P)	01 46 10.6
	E	46 27.1
TUC	E(P)	01 46 36.0
	E	48 21.3
BMO	EPN	01 46 54.7
BOZ	E(P)	01 47 10.0
	E	49 45.5
ALQ	EP	01 47 13.0
	I	49 05.0
JUN 16		
ALQ	IP	01 51 28.0
	I	51 54.5
	I	53 05.0
JUN 16		
BCN	E(P)	02 00 03.5
JUN 16		
BCN	EP	02 04 41.0
EUR	IP	02 04 51.5
JUN 16		
SLD	IP C	02 17 21.5
	IS	17 27.0
JUN 16		
EUR	EP	02 38 52.5
JUN 16		
EUR	IP	03 13 41.8
COL	EP	03 13 42.5
BMO	E(P)	03 14 11.1
	E	14 43.6
BOZ	EP	03 14 37.0
JUN 16		
BMO	EP	03 22 01.1
JUN 16		
BOZ	EP	04 26 38.5
JUN 16		
EUR	E(P)	05 36 25.0
JUN 16		
BCN	E(P)	06 55 21.5
	E	55 28.0
	EL	56 01.5
JUN 16		
EUR	EP	07 07 39.0
BMO	E(P)	07 07 45.0
JUN 16		
EUR	EP	07 55 25.3
JUN 16		
H-08 31 37.7		
22.1S 179.6W		
h ABOUT 588KM		
EUR	EP	08 43 14.2
	E	43 44.7
TUC	E(P)	08 43 14.6
BMO	E(P)	08 43 24.7
COL	E(P)	08 43 35.5
JUN 16		
EUR	EP	08 37 24.4
JUN 16		
COL	EP	08 39 03.0
EUR	IP	08 39 39.0
BMO	E(P)	08 39 39.5
JUN 16		
H-08 59 37.7		
16.3N 104.2W		
h ABOUT 33KM		
ALQ	IP	09 03 56.6
BCN	EP	09 04 29.5
FGU	EP	09 05 00.2
EUR	EP	09 05 00.7
BOZ	EP	09 05 47.6
BMO	E(P)	09 05 51.8
JUN 16		
H-09 01 22.0		
10.1S 161.0E		
h ABOUT 33KM		
COL	EP	09 13 49.0
EUR	IP	09 14 25.5
BMO	E(P)	09 14 26.0
	E	14 34.5
JUN 16		
H-09 46 58.8		
10.3S 160.9E		
h ABOUT 30KM		
COL	EP	09 59 27.0
BRW	E(P)	09 59 37.8
EUR	IP	10 00 03.5
BMO	E(P)	10 00 04.1
BCN	EP	10 00 04.8
	E	00 13.0
BOZ	EP	10 00 19.0
JUN 16		
H-10 14 03.9		
15.4N 104.4W		
h ABOUT 33KM		
TUC	EP	10 18 11.9
	ES	21 43.6
ALQ	IP	10 18 32.2
BCN	EP	10 19 03.5
GCA	EP	10 19 03.7
FGU	EP	10 19 33.7
EUR	EP	10 19 35.6
SLC	EP	10 19 35.8
SLD	EP	10 19 41.5
BOZ	EP	10 20 17.5
BMO	EP	10 20 21.4
COL	E(P)	10 23 54.0
JUN 16		
BHP	E	10 24 48.0
JUN 16		
BCN	IP C	10 40 18.6
	IS	40 20.1
JUN 16		
H-10 45 28.4		
15.1S 173.2W		
h ABOUT 33KM		
BCN	E(P)	10 57 14.0
TUC	E(P)	10 57 14.4
EUR	EP	10 57 18.5
BMO	E(P)	10 57 27.6
ALQ	EP	10 57 38.9
COL	EP	10 57 45.0
BOZ	EP	10 57 45.0
JUN 16		
H-12 00 22.9		
10.8S 161.3E		
h ABOUT 39KM		
COL	EP	12 12 51.0
BRW	EP	12 13 01.8
BMO	E(P)	12 13 26.5
EUR	EP	12 13 26.7
BCN	EP	12 13 28.0
BOZ	EP	12 13 45.0
	E	13 56.5
ALQ	E(P)	12 13 56.2
JUN 16		
ALQ	IP	12 06 53.2
TUC	E(P)	12 07 06.0
BCN	EP	12 07 44.5
EUR	IP	12 08 02.7
BOZ	IP	12 08 07.0
	I	08 25.0
BMO	E(P)	12 08 26.9
JUN 16		
H-12 27 50.2		
01.5S 080.6W		
h ABOUT 32KM		
ALQ	IP	12 35 54.4

Date and Station	Phase (GCT)
	h m s
EUR EP	12 37 00.2
JUN 16	
EUR EP	12 31 51.7
JUN 16	
EUR EP	12 38 09.5
JUN 16	
BMO E(P)	13 15 49.0
JUN 16	
H-13 17 45.1	
10.3S 161.1E	
h ABOUT 33KM	
COL IP	13 30 12.5
BRW EP	13 30 23.5
EUR IP	13 30 48.8
BCN EP	13 30 49.5
BOZ EP	13 31 07.5
JUN 16	
H-13 22 00.7	
53.4N 167.5W	
h ABOUT 33KM	
ADK EP	13 23 26.0
COL EP	13 25 37.0
BRW E(P)	13 26 15.5
JUN 16	
EUR EP	13 36 23.9
JUN 16	
EUR EP	13 40 45.0
JUN 16	
COL E(P)	13 41 13.0
BRW EP	13 41 51.9
JUN 16	
EUR E(P)	13 43 17.0
BOZ E(P)	13 44 35.5
JUN 16	
COL EP	14 31 18.9
TUC EP	14 31 45.0
JUN 16	
H-14 31 28.1	
10.3S 160.8E	
h ABOUT 30KM	
COL E(P)	14 43 54.0
I	43 58.7
BRW E(P)	14 44 05.3
I	44 11.0
EUR EP	14 44 31.9
BMO EP	14 44 33.0
NEW EP	14 44 36.0

Date and Station	Phase (GCT)
	h m s
BCN EP	14 44 36.5
BOZ EP	14 44 51.5
JUN 16	
H-14 50 02.6	
17.5S 179.1W	
h ABOUT 541KM	
EUR E(P)	15 01 23.5
TUC E(P)	15 01 27.5
JUN 16	
H-15 29 51.8	
53.3N 167.4W	
h ABOUT 33KM	
ADK EP	15 31 18.0
EL	32 29.0
COL EP	15 33 28.0
BRW EP	15 34 08.4
NEW EP	15 36 13.0
BMO E(P)	15 36 27.1
JUN 16	
COL IP	15 29 54.9
BRW E(P)	15 30 49.0
JUN 16	
BMO E(P)	15 45 45.6
JUN 16	
BCN IP D	16 17 13.3
IS	17 14.4
JUN 16	
H-16 36 56.7	
10.1S 160.5E	
h ABOUT 33KM	
COL EP	16 49 24.0
BRW E(P)	16 49 34.8
BMO EP	16 50 01.4
EUR IP	16 50 02.0
JUN 16	
H-16 46 49.9	
29.3S 071.5W	
h ABOUT 51KM	
BOZ EP	16 59 11.0
EpP	59 25.5
BMO EP	16 59 20.6
EpP	59 34.8
HHM EP	16 59 25.9
EpP	00 41.1
JUN 16	
COL EP	16 52 10.5

Date and Station	Phase (GCT)
	h m s
JUN 16	
H-16 55 28.5	
07.0S 107.8E	
h ABOUT 148KM	
BMO EP'	17 14 13.8
BOZ IP'	17 14 20.0
ESKP	17 25.0
ALQ EP'	17 14 33.9
E	14 38.0
JUN 16	
H-17 05 23.8	
71.5N 002.8W	
h ABOUT 33KM	
BRW E(P)	17 12 27.8
COL E(P)	17 13 16.5
HHM E(P)	17 14 12.9
BMO EP	17 14 52.9
JUN 16	
BMO E(P)	17 06 38.0
JUN 16	
TUC EP	17 17 53.5
ALQ EP	17 18 00.0
JUN 16	
H-17 21 04.7	
10.2S 160.9E	
h ABOUT 41KM	
BRW E(P)	17 33 43.2
EUR IP	17 34 08.1
JUN 16	
BMO E(P)	17 48 52.0
JUN 16	
H-18 01 02.5	
12.8N 044.5W	
h ABOUT 34KM	
SJG EP	18 05 50.5
IS	09 53.5
ALQ IP	18 11 06.0
TUC EP	18 11 30.0
BOZ EP	18 11 40.0
BCN EP	18 11 53.5
EUR IP	18 11 59.0
BMO EP	18 12 05.2
NEW EP	18 12 06.0
COL EP	18 13 32.0
JUN 16	
H-18 39 46.2	
10.6S 161.4E	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
COL EP	18 52 14.8
EUR IP	18 52 50.1
BMO EP	18 52 50.2
BOZ EP	18 53 09.2
E	53 18.0
JUN 16	
COL EP	18 55 57.4
E	56 31.6
JUN 16	
H-19 27 55.9	
18.9S 177.8W	
h ABOUT 586KM	
TUC EP	19 39 16.7
BMO EP	19 39 25.6
BOZ EP	19 39 44.2
JUN 16	
BMO E(P)	20 26 23.5
HHM E(P)	20 26 29.9
JUN 16	
BMO E(P)	20 27 06.5
JUN 16	
H-20 32 25.2	
21.9S 067.2W	
h ABOUT 190KM	
SJG IP	20 39 41.2
IS	45 29.5
ALQ IP	20 43 04.6
IpP	43 51.4
TUC E(P)	20 43 07.0
EpP	43 54.0
GCA EP	20 43 31.4
EpP	44 19.5
BCN EP	20 43 38.0
EpP	44 25.9
BMO EP	20 44 18.9
EpP	45 07.3
HHM EP	20 44 21.4
EpP	45 12.9
JUN 16	
H-21 02 36.9	
51.4N 178.3W	
h ABOUT 33KM	
ADK IP	21 02 58.2
COL E(P)	21 07 20.0
NEW IP	21 09 59.0
BMO EP	21 10 12.0
HHM EP	21 10 12.9
BOZ IP	21 10 35.5

Date and Station	Phase	(GCT) h m s
TUC	E(P)	21 11 43.0
JUN 16		
HHM	E(P)	21 39 56.3
	E	40 29.9
BMO	EP	21 40 17.2
JUN 16		
H-22 30 04.7		
26.1S 070.7E		
h ABOUT 33KM		
BOZ	EP'	22 50 02.2
	EPP	54 22.5
HHM	EP'	22 50 03.9
TUC	EP'	22 50 12.2
	E	50 20.0
JUN 16		
ALQ	IP	22 48 58.0
	IS	49 23.5
TUC	E(P)	22 49 14.5
JUN 16		
BCN	EP	22 51 23.0
ALQ	EP	22 51 31.0
	E	51 36.8
JUN 16		
BMO	E(P)	23 11 20.4
JUN 17		
SJG	EP	00 01 44.0
JUN 17		
BMO	E(P)	00 36 57.2
JUN 17		
BMO	EP	00 37 31.5
JUN 17		
H-00 45 04.1		
10.4S 160.7E		
h ABOUT 40KM		
COL	EP	00 57 31.0
BRW	EP	00 57 42.0
	I	57 45.0
BMO	EP	00 58 07.1
BCN	EP	00 58 08.0
	I	58 18.0
NEW	EP	00 58 11.0
HHM	EP	00 58 20.9
TUC	E(P)	00 58 22.4
	E	58 30.0
BOZ	EP	00 58 26.5
JUN 17		
H-01 14 02.2		
18.5N 068.8W		
h ABOUT 110KM		
SJG	EP	01 14 42.6
	IS	15 12.8
TUC	E(P)	01 21 29.2
BCN	EP	01 22 02.5
BOZ	EP	01 22 05.0
HHM	EP	01 22 23.4
	E	22 51.4
NEW	EP	01 22 39.0
COL	EP	01 24 56.0
BMO	E(P)	01 24 00.3
JUN 17		
BMO	E(P)	01 28 51.9
JUN 17		
BOZ	EP	02 14 29.0
JUN 17		
COL	EP	02 46 19.0
JUN 17		
EUR	EP	03 49 05.5
JUN 17		
COL	EP	04 09 55.0
EUR	EP	04 10 53.5
JUN 17		
COL	EP	04 19 48.0
EUR	E(P)	04 22 42.9
JUN 17		
H-04 40 03.5		
10.7S 161.3E		
h ABOUT 39KM		
COL	EP	04 52 32.0
BMO	E(P)	04 53 07.6
	E	53 42.8
JUN 17		
BOZ	EP	04 44 54.0
JUN 17		
BCN	IP	05 36 26.9
	IS	36 28.2
JUN 17		
EUR	EP	06 31 18.0
BMO	E(P)	06 32 15.6
JUN 17		
H-06 50 27.3		
18.8S 177.8W		
h ABOUT 500KM		
TUC	EP	07 01 55.4
BMO	EP	07 02 04.5
EUR	IP D	07 02 11.3
COL	IP	07 02 15.1
ALQ	E(P)	07 02 17.2
BOZ	EP	07 02 23.5
BRW	EP	07 02 36.5
JUN 17		
BMO	EP	07 09 14.4
JUN 17		
COL	IP D	08 25 37.2
	I	26 03.3
BRW	E(P)	08 27 02.8
JUN 17		
H-08 48 33.4		
42.4N 142.9E		
h ABOUT 67KM		
BRW	IP D	08 56 10.5
COL	IP	08 56 35.7
NEW	IP	08 59 11.8
HHM	EP	08 59 21.9
	E	59 28.9
BMO	EP	08 59 24.3
	E	59 47.8
BOZ	IP	08 59 40.5
EUR	I(P)	09 00 02.4
	E	00 26.5
CED	EP	09 00 05.2
BCN	EP	09 00 07.8
	EPP	00 27.3
TUC	EP	09 00 35.4
ALQ	EP	09 00 39.6
JUN 17		
BCN	IP	08 49 21.0
	I(S)	49 23.0
JUN 17		
COL	EP	09 07 23.5
JUN 17		
H-10 04 01.9		
21.9S 178.8W		
h ABOUT 538KM		
BCN	E(P)	10 15 33.9
TUC	EP	10 15 39.6
BMO	EP	10 15 50.0
EUR	EP	10 15 58.4
COL	EP	10 16 02.0
BOZ	EP	10 16 08.2
BRW	EP	10 16 21.3
JUN 17		
H-10 22 03.3		
51.5N 174.4E		
h ABOUT 58KM		
ADK	E(P)	10 23 26.1
COL	EP	10 27 09.0
BRW	EP	10 27 11.8
BOZ	EP	10 30 32.5
EUR	E(P)	10 30 50.7
JUN 17		
EUR	EP	10 41 52.1
JUN 17		
EUR	EP	11 40 14.2
JUN 17		
H-11 47 36.8		
10.5S 161.1E		
h ABOUT 20KM		
COL	IP	12 00 07.4
BRW	EP	12 00 19.7
BMO	EP	12 00 42.9
BCN	EP	12 00 44.5
EUR	E(P)	12 00 47.7
	I	00 56.7
BOZ	EP	12 01 02.0
JUN 17		
H-12 04 20.4		
10.2S 160.3E		
h ABOUT 47KM		
COL	EP	12 16 46.0
BRW	E(P)	12 16 56.2
BMO	E(P)	12 17 23.9
EUR	EP D	12 17 26.8
BCN	E(P)	12 17 29.2
BOZ	E(P)	12 17 39.0
JUN 17		
BMO	E(P)	12 07 05.0
JUN 17		
TUC	EP	12 38 22.2
JUN 17		
TUC	EP	12 42 08.8
	E	43 20.2
JUN 17		
BRW	EP	12 50 00.7
JUN 17		
ALQ	EP	12 56 49.5

Date and Station	Phase (GCT)
	h m s
JUN 17	
BCN E(P)	13 02 59.5
EL	03 25.5
EUR E(P)	13 04 50.6
JUN 17	
H-13 05 38.6	
16.1N 099.1W	
h ABOUT 33KM	
ALQ EP	13 10 09.1
BOZ EP	13 11 57.5
BMO EP	13 12 07.8
JUN 17	
EUR E(P)	13 06 36.4
JUN 17	
EUR E(P)	13 44 55.0
E	45 15.2
JUN 17	
BMO E(P)	14 58 09.7
JUN 17	
H-15 06 28.0	
6.3S 146.7E	
h ABOUT 90KM	
GUA I(P)	15 10 53.0
COL EP	15 18 56.4
BRW EP	15 18 58.7
BMO E(P)	15 19 58.4
JUN 17	
BMO EP	15 20 13.0
JUN 17	
COL EP	15 55 03.0
EUR EP	15 55 38.5
JUN 17	
HHM EP	16 06 16.6
E	06 23.4
JUN 17	
EUR EP	16 21 09.5
BMO E(P)	16 21 10.3
JUN 17	
H-18 31 54.6	
.8N 029.9E	
h ABOUT 33KM	
HHM EP'	18 50 48.9
E	51 35.9
BOZ IP'	18 50 51.0
BMO EP'	18 50 56.9
ALQ EP'	18 50 58.8
EUR IP'	18 51 04.1
TUC EP'	18 51 05.9
BCN EP'	18 51 07.9
JUN 17	
COL E(P)	18 32 23.0
BMO E(P)	18 32 56.3
EUR IP	18 32 58.0
JUN 17	
BOZ EP	18 40 15.0
JUN 17	
EUR IP	19 01 42.1
JUN 17	
ALQ IP	19 32 32.0
I	32 59.5
JUN 17	
COL EP	19 55 21.5
BMO E(P)	19 55 59.9
EUR EP	19 56 01.1
JUN 17	
ALQ IP	20 10 40.5
I	11 09.5
JUN 17	
EUR EP	20 24 54.0
JUN 17	
ALQ IP	21 48 11.6
JUN 17	
H-22 26 04.2	
10.2S 161.1E	
h ABOUT 34KM	
GUA IP	22 32 02.0
ES	36 25.0
COL IP	22 38 30.7
BRW EP C	22 38 41.5
SLD EP	22 38 45.7
BCN EP	22 39 07.0
EUR IP	22 39 07.1
BMO EP	22 39 07.1
HHM E(P)	22 39 19.9
BOZ EP	22 39 26.0
JUN 17	
HHM EP	22 50 27.0
E	51 11.4
JUN 17	
H-22 52 27.3	
24.8N 122.4E	
h ABOUT 73KM	
BRW EP	23 02 53.0
NEW IP	23 05 20.5
BMO EP	23 05 29.2
E	05 42.8
JUN 18	
ALQ IP	00 15 13.5
I	15 46.0
JUN 18	
BCN E(P)	00 27 10.9
JUN 18	
H-00 30 01.0	
02.8S 141.6E	
h ABOUT 33KM	
BRW E(P)	00 42 28.8
COL IP	00 42 31.0
BMO EP	00 43 43.5
SJG EP'	00 49 47.3
JUN 18	
TUC EP	00 41 03.4
JUN 18	
CED IP D	01 24 42.5
IS	24 54.7
EUR E(P)	01 25 28.0
JUN 18	
H-02 13 59.2	
10.3S 160.7E	
h ABOUT 15KM	
COL IP	02 26 30.5
BRW EP	02 26 41.5
BMO E(P)	02 27 06.7
EUR IP	02 27 07.2
JUN 18	
COL EP	02 29 58.0
JUN 18	
H-03 42 19.4	
56.2S 027.1W	
h ABOUT 115KM	
BMO EP'	04 01 07.7
E	01 33.4
ESKP	04 29.2
BRW EP'	04 01 13.7
COL EP'	04 01 55.0
JUN 18	
BCN IP	04 04 28.0
I(S)	04 29.2
JUN 18	
ALQ EP	04 40 43.8
JUN 18	
H-05 21 06.0	
29.5S 029.3E	
h ABOUT 18KM	
COL IP'	05 40 40.8
FGU EP'	05 40 43.0
E	40 51.0
BOZ EP'	05 40 45.0
E	40 54.0
TUC EP'	05 40 46.0
E	40 55.0
HHM EP'	05 40 46.1
E	40 55.1
SLC EP'	05 40 47.6
BMO EP'	05 40 50.6
E	41 03.7
BCN E(P)	05 40 56.3
EUR IP'D	05 40 57.8
I	41 06.0
JUN 18	
H-05 43 16.3	
15.1S 075.6W	
h ABOUT 100KM	
BOZ EP	05 54 12.5
BMO E(P)	05 54 30.5
JUN 18	
H-06 03 50.7	
40.5N 121.4W	
h ABOUT 15KM	
SLD I(P)	06 04 47.0
IL	05 30.5
EUR EP	06 04 57.5
E	05 11.0
ES	07 05.1
JUN 18	
BMO E(P)	06 05 33.1
JUN 18	
TUC E(P)	06 20 40.2
JUN 18	
H-06 31 41.0	
63.3N 149.3W	
h ABOUT 108KM	
COL IP	06 32 10.9
BRW EP	06 33 42.7
HHM E(P)	06 36 49.1
BMO E(P)	06 37 04.1
EsP	37 35.2
EUR EP	06 37 50.0
IsP	38 11.5
EsP	38 21.3
JUN 18	
H-08 11 10.9	
10.0S 160.9E	
h ABOUT 33KM	
COL EP	08 23 38.0

Date and Station	Phase	(GCT) h m s
BRW	EP	08 23 48.4
EUR	IP	08 24 14.2
BMO	EP	08 24 14.3
	E	24 21.8
BCN	EP	08 24 15.4
NEW	EP	08 24 18.0
BOZ	EP	08 24 33.5
JUN 18		
SJG	EP	08 11 24.2
	EL	12 26.0
JUN 18		
H-08 24 34.7		
10.2S 160.9E		
h ABOUT 13KM		
COL	IP	08 37 05.5
BRW	EP	08 37 16.3
BCN	E(P)	08 37 40.4
EUR	IP	08 37 42.1
BMO	E(P)	08 37 42.1
BOZ	EP	08 38 02.0
JUN 18		
GUA	P	08 26 09.0
JUN 18		
BMO	E(P)	08 42 55.1
BOZ	EP	08 43 13.5
EUR	IP	08 43 28.8
JUN 18		
H-09 40 00.9		
10.0S 161.0E		
h ABOUT 33KM		
COL	EP	09 52 25.0
EUR	EP	09 53 04.5
	I	53 07.3
BMO	E(P)	09 53 11.6
JUN 18		
H-09 56 40.9		
22.1S 067.9W		
h ABOUT 127KM		
EUR	E(P)	10 08 16.2
BMO	E(P)	10 08 40.3
JUN 18		
BOZ	EP	10 24 09.5
BMO	EP	10 24 16.4
JUN 18		
BOZ	EP	10 27 38.0
JUN 18		
COL	EP	11 27 39.0
JUN 18		
ALQ	IP	11 58 38.5
	I	58 40.5
	I	58 42.6
TUC	E(P)	11 59 38.8
JUN 18		
H-12 19 53.9		
10.1S 160.8E		
h ABOUT 33KM		
COL	EP	12 32 21.0
BRW	E(P)	12 32 32.0
EUR	IP	12 32 57.7
BMO	E(P)	12 33 02.5
JUN 18		
ALQ	IP	12 45 56.0
	IS	46 21.5
JUN 18		
BOZ	EP	12 52 30.6
JUN 18		
H-14 20 31.5		
23.1N 125.6E		
h ABOUT 58KM		
BRW	E(P)	14 30 57.5
	E	31 06.5
COL	EP	14 31 23.0
	I	31 30.2
BMO	E(P)	14 33 33.1
HHM	E(P)	14 33 33.1
	E	33 41.6
BOZ	EP	14 33 46.5
	E	33 53.5
EUR	E(P)	14 33 54.2
JUN 18		
H-15 46 21.0		
18.0S 178.5W		
h ABOUT 603KM		
EUR	EP	15 57 38.5
TUC	EP	15 57 40.5
BMO	EP	15 57 48.4
COL	EP	15 57 57.4
BOZ	EP	15 58 07.0
JUN 18		
BRW	EP	16 10 34.1
	E	10 51.5
COL	EP	16 10 49.8
	E	11 13.0
BMO	EP	16 13 26.6
BOZ	EP	16 13 43.0
EUR	EP	16 13 49.7
JUN 18		
BOZ	E(P)	16 20 41.5
JUN 18		
H-16 57 02.5		
16.6N 099.5W		
h ABOUT 33KM		
ALQ	IP	17 01 26.2
BOZ	EP	17 03 15.5
JUN 18		
EUR	EP	17 55 03.5
JUN 18		
ALQ	EP	18 02 26.0
JUN 18		
BCN	E(P)	18 05 02.9
JUN 18		
H-19 15 26.7		
03.3S 143.2E		
h ABOUT 30KM		
GUA	I(P)	19 19 27.0
	IS	22 22.0
COL	EP	19 27 56.0
BRW	EP	19 27 56.0
BMO	EP	19 29 06.4
BOZ	EP	19 29 26.1
ALQ	EP'	19 34 02.5
SJG	EP'	19 35 10.0
JUN 18		
BCN	E(P)	19 33 18.6
JUN 18		
EUR	EP	20 07 46.4
JUN 18		
ALQ	E(P)	20 15 57.4
JUN 18		
BMO	EP	20 25 41.4
	ES	26 28.3
HHM	E(P)	20 25 55.1
JUN 18		
SJG	EP	20 41 15.5
JUN 18		
COL	EP	20 47 55.0
JUN 18		
H-21 54 52.2		
18.4S 175.5W		
h ABOUT 281KM		
TUC	EP	22 06 31.3
EUR	EP	22 06 31.3
BMO	EP	22 06 43.1
ALQ	EP	22 06 54.1
COL	IP	22 07 00.3
JUN 18		
ALQ	IP	22 27 02.4
	I	27 42.2
JUN 18		
COL	EP	22 32 12.4
	I	32 37.4
	IS	33 27.5
JUN 18		
BMO	EP	23 00 55.0
JUN 18		
EUR	EP	23 08 40.2
JUN 19		
H-00 07 57.0		
59.4N 137.6W		
h ABOUT 14KM		
SIT	E(P)	00 08 35.5
	ES	09 08.0
COL	EP	00 09 45.0
	I	10 02.8
	IL	11 47.5
BRW	E(P)	00 11 13.5
NEW	IP	00 11 48.8
	IPCP	16 31.6
HHM	E(P)	00 12 10.1
	EL	17 10.6
BMO	EP	00 12 21.5
	E	12 46.2
BOZ	EP	00 12 38.6
	EL	18 46.0
EUR	IP	00 13 15.8
TUC	E(P)	00 14 30.0
JUN 19		
H-00 14 15.2		
10.6S 160.9E		
h ABOUT 37KM		
COL	EP	00 26 45.0
EUR	EP	00 27 19.9
JUN 19		
BUT	E(P)	00 18 22.0
JUN 19		
COL	EP	00 31 31.0
JUN 19		
H-00 54 52.8		
00.8N 029.8E		
h ABOUT 33KM		
BMO	EP'	01 13 54.2

Date and Station	Phase (GCT)
	h m s
JUN 19	
COL EP	01 57 58.0
JUN 19	
SJG IP C	04 07 42.5
IS	07 56.5
JUN 19	
H-07 38 22.3	
42.7N 111.4W	
h ABOUT 33KM	
SLC EP	07 38 55.6
IS	39 22.8
FGU IP C	07 39 00.4
I	39 03.0
IL	39 32.5
BOZ IP D	07 39 06.5
IS	39 44.0
EUR E(P)	07 39 29.7
EL	40 50.2
BMO EP	07 39 34.5
JUN 19	
NEW EP	07 41 38.0
JUN 19	
H-07 52 18.9	
8.8S 149.5E	
h ABOUT 38KM	
GUA IP	07 57 19.0
ES	08 01 15.0
COL EP	08 04 59.0
BRW EP	08 05 03.2
EUR E(P)	08 05 00.5
BMO E(P)	08 06 04.5
NEW E(P)	08 06 06.0
BCN I(P)	08 06 10.8
BOZ E(P)	08 06 21.0
SJG EP'	08 11 59.7
JUN 19	
BOZ E(P)	08 09 11.0
JUN 19	
SJG IP	08 53 02.5
IS	53 16.0
JUN 19	
EUR EP	09 34 56.8
JUN 19	
H-09 58 36.8	
10.0S 160.8E	
h ABOUT 33KM	
COL EP	10 11 04.0
EUR EP	10 11 41.0
BMO E(P)	10 11 44.5

Date and Station	Phase (GCT)
	h m s
JUN 19	
H-10 14 46.0	
44.8N 099.6E	
h ABOUT 33KM	
COL E(P)	10 24 44.0
EUR EP	10 27 44.8
JUN 19	
TUC EP	11 31 01.0
ES	31 47.5
BCN E(P)	11 31 25.5
IL	32 52.5
ALQ IP	11 32 09.0
I	32 40.5
IS	34 18.0
EUR E(P)	11 32 13.0
EL	34 42.0
JUN 19	
BCN IP	11 54 31.1
IS	54 32.2
JUN 19	
BCN IP	12 00 45.5
I(S)	00 46.7
JUN 19	
BCN IP	12 02 17.0
I(S)	02 18.5
JUN 19	
H-12 56 14.3	
63.3N 151.4W	
h ABOUT 136KM	
COL IP	12 56 52.8
IS	57 20.0
HHM E(P)	13 01 37.7
BMO EP	13 01 41.6
EUR IP	13 02 27.7
JUN 19	
EUR EP	13 47 49.7
JUN 19	
COL EP	13 57 08.0
JUN 19	
TUC EP	14 47 13.3
E(S)	48 03.0
BCN E(P)	14 47 34.0
E	48 41.3
EUR E(P)	14 48 31.5
JUN 19	
SJG EP	15 23 34.0
JUN 19	
BCN I(P)	15 25 29.9
I(S)	25 31.4

Date and Station	Phase (GCT)
	h m s
JUN 19	
H-15 40 48.1	
14.8S 075.8W	
h ABOUT 33KM	
SJG EP	15 47 30.4
ALQ IP	15 50 35.6
TUC EP	15 50 37.4
E	50 45.0
BCN EP	15 51 12.0
EUR IP	15 51 32.6
BOZ IP C	15 51 47.9
BMO EP	15 52 00.7
BUT E(P)	15 52 07.5
NEW IP	15 52 15.4
COL EP	15 54 13.0
JUN 19	
COL EP	16 10 50.0
JUN 19	
COL EP	16 24 09.0
JUN 19	
BMO E(P)	17 05 05.8
JUN 19	
BCN EP	17 44 15.6
E	44 18.1
E	44 45.6
JUN 19	
H-17 55 30.6	
38.6N 027.2E	
h ABOUT 15KM	
COL EP	18 07 23.0
HHM E(P)	18 08 17.2
E	08 20.7
BMO EP	18 08 33.0
JUN 19	
BMO EPN	18 48 37.9
ES	49 07.4
JUN 19	
H-18 56 19.8	
46.1N 143.8E	
h ABOUT 235KM	
BRW IP C	19 03 11.5
COL IP C	19 03 36.8
NEW IP	19 06 20.4
HHM EP	19 06 30.2
BMO EP	19 06 34.2
BOZ IP	19 06 50.0
EUR IP	19 07 01.8

Date and Station	Phase (GCT)
	h m s
JUN 19	
SJG IP	19 12 03.5
IS	12 16.2
JUN 19	
H-19 12 49.7	
22.6N 121.0E	
h ABOUT 46KM	
BMO E(P)	19 26 11.4
JUN 19	
H-19 28 43.1	
51.7N 176.2W	
h ABOUT 54KM	
ADK IP	19 28 54.2
ES	29 02.0
COL IP D	19 33 09.4
ES	36 49.0
EPCP	37 23.9
ESCP	40 58.0
BRW IP C	19 33 30.7
I	33 46.2
IPCP	37 30.4
ESCP	41 04.9
SIT E(P)	19 33 56.1
NEW IP	19 35 51.4
BMO EP	19 36 04.2
HHM EP	19 36 06.2
EpP	36 22.2
EPCP	38 15.7
BUT EP	19 36 22.5
EPCP	38 22.0
BOZ IP C	19 36 28.7
EUR IP C	19 36 36.7
IpP	36 41.3
IPCP	38 28.2
I	40 26.7
ISCP	42 14.3
CED IP	19 36 56.1
BCN IP	19 36 59.1
EpP	37 14.1
FGU EP	19 37 01.8
IPCP	38 39.4
ESCP	42 28.2
GCA EP	19 37 10.0
TUC IP	19 37 37.8
EpP	37 52.0
ALQ EP C	19 37 44.3
E	37 49.5
EPCP	38 59.0
WSC EP	19 39 23.7
CSC EP	19 39 33.6
EpP	39 51.0

Date and Station	Phase	Phase (GCT) h m s
SJG	EP	19 41 29.0
	EpP	41 43.5
JUN 19		
SJG	EP	20 16 09.2
	IS	17 00.0
JUN 19		
H-20 12 34.0		
21.1S 178.7W		
h ABOUT 585KM		
EUR	EP	20 24 04.9
BMO	EP	20 24 15.5
COL	IP	20 24 26.5
JUN 19		
EUR	EP	20 55 55.0
	I	56 06.9
JUN 19		
SJG	EP	20 57 56.0
	IS	58 08.8
JUN 19		
EUR	EP	21 46 32.6
JUN 19		
H-22 03 57.9		
22.2S 068.1W		
h ABOUT 127KM		
BMO	EP	22 15 57.8
JUN 19		
ALQ	IP	22 27 34.5
	I	27 42.0
	IS	28 27.4
JUN 19		
H-22 43 48.6		
50.7N 177.5E		
h ABOUT 13KM		
ADK	EP	22 44 50.1
	ES	45 33.7
COL	E(P)	22 48 52.5
NEW	EP	22 51 36.0
BMO	EP	22 51 49.3
BOZ	EP	22 52 12.5
EUR	IP	22 52 20.7
JUN 20		
H-01 24 13.7		
51.5N 178.5W		
h ABOUT 34KM		
ADK	IP	01 24 35.2
	ES	24 55.1
COL	EP	01 28 54.0
BRW	EP	01 29 08.8
	E	29 26.8
NEW	IP	01 31 35.4
BMO	EP	01 31 49.2
	EpP	31 59.2
BUT	E(P)	01 32 07.7
BOZ	IP C	01 32 13.1
	I	32 22.9
EUR	IP	01 32 21.0
BCN	EP	01 32 44.5
	IpP	32 53.5
FGU	EP	01 32 46.0
GCA	E(P)	01 33 03.7
TUC	EP	01 33 21.0
	EpP	33 31.0
ALQ	IP	01 33 27.4
	IpP	33 37.4
CSC	E(P)	01 35 14.1
	EpP	35 24.0
JUN 20		
BRW	E(P)	01 36 56.4
JUN 20		
BMO	E(P)	02 42 38.2
JUN 20		
BOZ	EP	03 31 34.0
	IL	31 40.5
JUN 20		
H-04 10 41.5		
01.4N 066.8E		
h ABOUT 33KM		
ALQ	IP'	04 30 13.5
	I	30 20.5
TUC	EP'	04 30 22.2
	E	30 29.5
JUN 20		
EUR	EP	04 27 58.6
BMO	E(P)	04 28 54.6
JUN 20		
H-04 31 33.7		
41.6N 141.9E		
h ABOUT 75KM		
BRW	EP D	04 39 18.9
COL	IP	04 39 44.5
BOZ	EP	04 42 46.5
	EpP	43 06.0
BMO	E(P)	04 42 50.1
EUR	IP	04 42 56.0
JUN 20		
H-04 45 33.1		
11.0S 166.9E		
h ABOUT 117KM		
COL	EP	04 57 45.5
	IpP	58 10.5
EUR	E(P)	04 58 08.0
BOZ	E(P)	04 58 29.5
JUN 20		
BOZ	IP	05 46 28.5
	IL	46 35.0
HHM	E(P)	05 47 08.2
	E	47 45.2
JUN 20		
H-05 55 51.9		
51.3N 178.7W		
h ABOUT 33KM		
ADK	EP	05 56 15.9
	ES	56 31.8
COL	E(P)	06 00 35.3
BMO	E(P)	06 03 37.9
BOZ	EP	06 03 53.0
EUR	IP	06 04 01.4
JUN 20		
SJG	I(P)	06 08 55.8
	IS	09 20.4
JUN 20		
BRW	E(P)	06 45 33.1
	E(S)	46 58.2
COL	EP	06 46 18.2
BMO	E(P)	06 50 47.7
BOZ	E(P)	06 50 55.0
	E	51 07.5
JUN 20		
H-07 57 02.0		
11.2N 069.3W		
h ABOUT 33KM		
SJG	EP	07 58 51.5
	IS	08 00 11.0
	ET	05 05.0
ALQ	IP	08 04 46.4
TUC	EP	08 05 04.0
BOZ	EP	08 05 53.5
EUR	IP	08 05 55.8
BMO	EP	08 06 17.0
COL	EP	08 08 42.5
JUN 20		
BMO	E(P)	08 16 57.0
JUN 20		
COL	EP	08 17 07.0
JUN 20		
TUC	E(P)	08 39 12.5
	E(S)	40 49.0
JUN 20		
ALQ	IP	08 50 40.0
JUN 20		
H-08 52 00.9		
16.4S 172.8W		
h ABOUT 14KM		
TUC	EP	09 03 52.5
EUR	IP	09 03 53.9
GCA	EP	09 04 03.5
BMO	EP	09 04 05.7
ALQ	IP	09 04 16.6
BUT	EP	09 04 24.8
BOZ	IP	09 04 26.5
COL	IP	09 04 28.0
JUN 20		
TUC	EP	09 26 42.5
JUN 20		
H-09 38 16.2		
04.1S 104.3W		
h ABOUT 33KM		
TUC	E(P)	09 45 21.5
EUR	IP C	09 46 28.5
	I	46 41.4
	EPCP	48 12.5
BMO	E(P)	09 47 08.8
NEW	EP	09 47 32.0
COL	EP	09 50 00.0
JUN 20		
EUR	E(P)	10 09 18.6
JUN 20		
EUR	E(P)	10 49 55.3
JUN 20		
EUR	IP	11 09 23.1
JUN 20		
H-12 16 45.0		
37.7N 073.8E		
h ABOUT 231KM		
COL	IP	12 27 48.6
JUN 20		
EUR	IP	13 21 14.5
JUN 20		
BMO	E(P)	13 30 44.8
JUN 20		
H-13 42 56.5		
28.7N 076.9E		
h ABOUT 34KM		

Date and Station	Phase (GCT)
	h m s
COL EP	13 55 06.0
JUN 20	
COL EP	14 35 22.0
JUN 20	
COL EP	15 40 46.0
JUN 20	
COL E(P)	16 27 30.0
JUN 20	
BMO E(P)	18 17 56.2
JUN 20	
EUR E(P)	18 46 20.5
I	46 22.7
IL	46 51.7
JUN 20	
SLD IP C	18 46 29.1
IS	47 01.0
BCN E(P)	18 46 51.9
IL	47 36.9
JUN 20	
BMO E(P)	18 47 42.5
JUN 20	
H-19 08 59.0	
20.9S 174.0W	
h ABOUT 33KM	
BCN EP	19 21 05.2
TUC E(P)	19 21 05.5
EUR E(P)	19 21 13.0
BMO EP	19 21 23.3
BOZ EP	19 21 41.2
E	21 54.0
JUN 20	
SJG E(P)	19 22 31.3
JUN 20	
BMO EP	19 24 24.8
JUN 20	
SJG EP	19 23 48.0
EL	24 30.0
JUN 20	
COL EP	19 49 58.2
IL	50 40.0
JUN 20	
H-19 58 54.4	
38.0N 117.9W	
h ABOUT 5KM	
EUR E(P)	19 59 31.5
I	59 38.5
EL	20 00 07.5
SLD I(P)	19 59 45.0
IS	20 00 17.0
JUN 20	
BCN E(P)	20 00 05.0
IL	00 52.4

Date and Station	Phase (GCT)
	h m s
ALQ E(P)	20 00 30.5
BMO E(P)	20 00 56.6
JUN 20	
H-20 05 43.4	
50.6N 157.4E	
h ABOUT 40KM	
COL EP	20 12 01.0
BMO EP	20 15 10.6
BOZ EP	20 15 28.5
I	15 42.0
EUR IP	20 15 40.5
JUN 20	
EUR IP	20 09 05.7
IL	09 35.5
SLD EP	20 09 11.8
IS	09 45.0
JUN 20	
COL IP	21 11 52.2
EUR IP	21 12 27.5
BMO EP	21 12 27.7
E	12 37.8
JUN 20	
COL EP	21 14 04.2
BMO E(P)	21 18 51.7
JUN 20	
BOZ EP	21 39 49.0
JUN 20	
COL EP	21 49 41.9
EUR EP	21 50 06.6
BOZ IP	21 50 28.4
JUN 20	
SLD E(P)	21 51 27.0
IL	51 55.0
JUN 20	
H-22 00 05.4	
10.8S 161.5E	
h ABOUT 13KM	
COL EP	22 12 37.0
EUR IP	22 13 12.2
BMO EP	22 13 12.7
E	13 26.8
BCN E(P)	22 13 12.9
JUN 20	
BMO E(P)	22 20 53.0
JUN 20	
BCN EP	23 34 02.9

Date and Station	Phase (GCT)
	h m s
JUN 20	
H-23 49 13.3	
35.8S 072.2W	
h ABOUT 47KM	
ALQ E(P)	24 01 04.0
EUR E(P)	24 01 46.5
JUN 21	
GCA EP	00 06 53.2
IL	07 29.7
JUN 21	
H-00 43 11.0	
10.9S 165.3E	
h ABOUT 8KM	
GUA E(P)	00 49 42.0
ES	54 44.0
COL EP C	00 55 38.1
I	55 46.4
ES	01 06 19.0
SLD E(P)	00 55 47.5
BCN E(P)	00 56 04.9
I	56 08.9
EUR EP	00 56 05.1
I	56 14.6
EPP	59 37.0
BMO EP	00 56 06.5
E	56 16.8
TUC E(P)	00 56 16.5
HHM E(P)	00 56 25.7
E	56 39.2
BOZ EP	00 56 27.0
I	56 32.0
FGU E(P)	00 56 35.2
ALQ IP	00 56 36.4
SJG EP'	01 02 22.5
JUN 21	
ALQ IP	00 52 15.0
JUN 21	
NEW EP	00 55 54.0
JUN 21	
BRW EP	01 03 32.0
COL EP	01 03 52.0
JUN 21	
BMO EP	01 31 03.9
JUN 21	
H-03 04 09.6	
34.5N 139.1E	
h ABOUT 39KM	
BMO EP	03 15 48.9
BOZ E(P)	03 16 04.0
E	16 14.0

Date and Station	Phase (GCT)
	h m s
EUR E(P)	03 16 07.5
JUN 21	
H-03 50 20.5	
28.6N 142.6E	
h ABOUT 22KM	
BRW EP	03 59 43.4
COL E(P)	03 59 59.0
NEW EP	04 02 04.0
BMO EP	04 02 13.0
E	02 25.3
BOZ EP	04 02 30.0
E	02 45.0
EUR IP	04 02 31.5
FGU EP	04 02 51.5
TUC E(P)	04 03 09.8
JUN 21	
COL IP	04 26 19.4
JUN 21	
BMO E(P)	04 26 42.5
JUN 21	
EUR EP	05 08 21.0
JUN 21	
H-05 24 38.2	
36.9N 107.1W	
h ABOUT 5KM	
ALQ IP	05 25 14.0
IS	25 39.0
GCA EP	05 25 37.3
I	25 46.6
IL	26 31.3
TUC (IP)	05 26 10.5
E	26 20.0
EUR EP	05 26 29.0
JUN 21	
EUR E(P)	05 55 37.3
I	55 40.4
IL	56 09.8
BCN EP	05 56 06.7
IL	56 54.4
JUN 21	
SLD IP C	05 55 47.0
IS	56 19.6
JUN 21	
BOZ IP	06 58 57.5
IL	59 11.0
JUN 21	
H-07 11 54.3	
20.2S 174.3W	
h ABOUT 33KM	
BCN E(P)	07 23 58.1

Date and Station	Phase	(GCT) h m s
TUC	EP	07 24 01.5
EUR	IP	07 24 04.2
GCA	E(P)	07 24 14.5
BMO	E(P)	07 24 17.2
ALQ	IP	07 24 24.5
FGU	EP	07 24 32.0
COL	EP	07 24 38.0
JUN 21		
EUR	IP	08 23 57.2
	E	25 04.3
JUN 21		
H-09 46 20.8		
34.6N 120.6W		
h ABOUT 4KM		
CED	E(P)	09 47 00.5
	E	47 05.5
	I	47 10.2
	ELG	47 43.5
SLD	IP D	09 47 03.0
	E	47 12.4
	IL	47 43.5
BCN	EP	09 47 40.1
	E(S)	48 30.1
	I(L)	47 58.6
EUR	EP	09 47 55.5
	I	48 26.6
	IL	49 29.9
GCA	E(P)	09 48 28.0
	EL	50 20.0
TUC	E(P)	09 48 32.3
	EL	50 52.0
BMO	E(P)	09 49 02.1
FGU	EP	09 49 06.5
	EL	52 19.5
ALQ	EP	09 49 08.0
	I	50 47.5
	IL	54 45.0
BOZ	EP	09 49 34.5
	EL	53 07.0
NEW	EP	09 49 47.0
HHM	E(P)	09 49 52.7
	E	54 10.7
	EL	55 22.7
JUN 21		
H-11 27 42.6		
20.3S 176.8W		
h ABOUT 150KM		
TUC	EP	11 39 48.2
COL	IP	11 40 13.4
JUN 21		
BHP	IP	11 31 41.5
	ES	31 58.0
EUR	E(P)	11 38 58.3
	I	39 09.6
JUN 21		
COL	EP	12 14 15.0
JUN 21		
H-12 51 23.0		
04.3S 077.0W		
h ABOUT 104KM		
SJG	EP	12 56 35.5
ALQ	IP	12 59 52.6
TUC	EP	12 59 57.4
BOZ	IP	13 01 10.0
BMO	E(P)	13 01 24.9
HHM	E(P)	13 01 30.7
JUN 21		
BOZ	EP	12 53 27.0
	EL	53 58.0
FGU	E(P)	12 53 30.6
	EL	54 01.5
JUN 21		
H-12 58 59.4		
57.9S 025.7W		
h ABOUT 11KM		
SJG	EP	13 11 24.0
TUC	EP'	13 17 40.4
BCN	EP'	13 17 49.0
FGU	EP'	13 17 52.5
EUR	IP'	13 17 56.0
BOZ	IP'	13 18 01.0
HHM	IP'	13 18 01.3
	I	18 10.7
NEW	EP'	13 18 03.0
BMO	EP'	13 18 04.0
COL	EP'	13 18 45.0
	I	18 54.8
BRW	EP'	13 18 50.5
JUN 21		
H-13 05 17.2		
36.8N 138.0E		
h ABOUT 33KM		
BRW	EP D	13 13 52.1
	E	14 36.0
COL	EP	13 14 15.0
BOZ	EP'	13 17 08.0
EUR	IP	13 17 15.0
ALQ	IP	13 17 39.5
JUN 21		
NEW	EP	13 21 24.0
JUN 21		
EUR	IP	13 27 51.0
	E	28 14.7
ALQ	E(P)	13 28 21.1
JUN 21		
H-13 32 49.6		
05.2S 144.6E		
h ABOUT 50KM		
GUA	EP	13 37 05.0
	ES	40 35.0
COL	EP	13 45 21.0
BRW	EP	13 45 22.5
JUN 21		
COL	E(P)	14 28 35.0
BMO	E(P)	14 31 05.3
EUR	IP	14 31 50.6
JUN 21		
SJG	EP	15 20 54.5
JUN 21		
H-15 47 42.6		
42.1N 142.5E		
h ABOUT 71KM		
COL	IP	15 55 47.9
NEW	IP	15 58 23.7
BMO	EP	15 58 35.5
BOZ	EP	15 58 52.5
	E>P	59 08.0
EUR	IP	15 59 02.0
JUN 21		
COL	IP	16 08 06.3
EUR	IP	16 08 42.8
JUN 21		
H-16 18 18.0		
05.3S 145.5E		
h ABOUT 92KM		
COL	IP	16 30 43.2
JUN 21		
EUR	EP	17 59 20.5
JUN 21		
H-18 11 41.5		
16.2N 094.7W		
h ABOUT 53KM		
BHP	EP	18 15 34.0
TUC	EP	18 16 30.5
	EL	23 07.0
CSC	EP	18 16 33.3
	E	16 51.6
GCA	EP	18 17 11.0
BCN	E(P)	18 17 26.0
	EL	26 34.5
FGU	EP	18 17 29.5
EUR	EP	18 17 46.0
	E	18 05.0
BOZ	EP	18 18 10.0
	E	19 21.5
	E	19 29.5
BMO	E(P)	18 18 24.8
HHM	EP	18 18 39.2
NEW	EP	18 18 47.0
COL	EP	18 21 46.0
JUN 21		
COL	E(P)	18 36 24.0
JUN 21		
BMO	E(P)	18 56 31.0
JUN 21		
EUR	EP	19 08 07.3
JUN 21		
EUR	E(P)	19 13 34.0
JUN 21		
H-19 20 25.9		
11.9S 166.3E		
h ABOUT 60KM		
COL	EP	19 32 52.0
BMO	E(P)	19 33 14.6
BOZ	EP	19 33 34.0
JUN 21		
H-19 54 28.6		
6.1N 082.4W		
h ABOUT 33KM		
BHP	IP	19 55 29.0
	IS	56 15.0
FGU	EP	20 02 21.0
BOZ	EP	20 02 56.0
BMO	E(P)	20 03 15.6
JUN 21		
TUC	EP	20 26 05.0
EUR	EP	20 26 05.6
JUN 21		
BCN	E(P)	20 28 37.3

Date and Station	Phase (GCT)
	h m s
JUN 21	
FGU E(P)	20 32 24.0
IL	32 48.5
JUN 21	
H-20 52 04.4	
44.2N 147.2E	
h ABOUT 115KM	
COL IP	20 59 34.8
HHM E(P)	21 02 24.2
BMO EP	21 02 26.8
BOZ EP	21 02 44.0
EUR EP	21 02 53.1
JUN 21	
ALQ IP	21 42 10.0
JUN 21	
BCN EP	22 23 04.2
I(S)	23 05.7
JUN 21	
ALQ IP	22 45 38.0
JUN 21	
H-23 06 29.4	
50.1N 157.8E	
h ABOUT 40KM	
BRW IP C	23 12 31.5
I	12 43.6
COL IP D	23 12 49.7
I	13 02.1
SIT E(P)	23 13 53.0
NEW IP	23 15 41.4
HHM EP	23 15 53.2
E	15 59.2
BMO EP	23 15 55.3
EPCP	16 51.5
BOZ IP	23 16 15.0
SLD EP	23 16 16.0
EUR IP	23 16 26.8
SLC EP	23 16 37.9
E	16 51.4
FGU EP C	23 16 44.9
GCA EP	23 16 54.5
TUC IP	23 17 19.0
E	17 34.6
ALQ IP	23 17 23.8
WSC EP	23 18 29.5
E	18 51.5

Date and Station	Phase (GCT)
	h m s
JUN 21	
H-23 37 29.8	
56.0S 027.8W	
h ABOUT 95KM	
COL IP'	23 57 07.9
JUN 21	
SLD EP	23 55 03.5
IL	55 45.5
JUN 21	
BMO EP	23 55 43.7
JUN 22	
H-00 07 28.0	
22.4S 070.6W	
h ABOUT 32KM	
BMO EP	00 19 32.6
JUN 22	
ALQ IP	00 41 08.0
JUN 22	
BOZ IP	01 07 54.9
IL	08 07.0
JUN 22	
H-01 49 53.5	
17.5S 167.2E	
h ABOUT 17KM	
COL EP	02 02 47.0
EUR IP	02 02 59.7
BMO EP	02 03 04.2
E	03 50.8
TUC EP	02 03 06.8
JUN 22	
H-02 00 23.3	
23.9S 179.7E	
h ABOUT 649KM	
TUC EP	02 12 02.1
JUN 22	
COL EP	02 50 14.0
JUN 22	
COL EP	04 03 43.0
JUN 22	
ALQ E(P)	04 15 04.2
EUR EP	04 15 24.8
JUN 22	
BOZ IP	04 47 44.5
IL	47 56.5
JUN 22	
BCN EP	05 01 26.2
IS	01 27.7
JUN 22	
COL EP	05 05 01.0
JUN 22	
BMO EP	05 07 53.7

Date and Station	Phase (GCT)
	h m s
BOZ IP	05 08 12.0
EUR EP	05 08 20.7
JUN 22	
H-05 51 52.7	
34.3S 103.2W	
h ABOUT 33KM	
TUC EP	06 02 42.4
EUR EP	06 03 28.0
BOZ EP	06 03 56.0
BMO EP	06 03 59.2
NEW EP	06 04 16.0
JUN 22	
BCN EP	07 10 37.8
I(S)	10 39.0
JUN 22	
H-07 11 01.7	
14.7N 092.0W	
h ABOUT 93KM	
BHP EP	07 14 09.0
CSC EP	07 15 47.9
EPCP	19 46.0
ALQ IP	07 16 09.5
IS	20 26.0
TUC EP	07 16 14.3
I	16 28.0
E(S)	20 31.0
WSC E(P)	07 16 46.5
E	17 22.5
EL	22 39.5
GCA EP	07 16 48.8
BCN IP	07 16 59.2
EsP	17 33.0
FGU IP C	07 17 07.0
SLC EP	07 17 15.4
EUR IP	07 17 25.9
IsP	18 03.3
EPCP	20 11.7
ESCP	23 53.3
SLD IP	07 17 41.2
BOZ E(P)	07 17 47.5
E	18 26.0
BMO EP	07 18 02.5
E	18 41.2
NEW EP	07 18 22.0
COL IP	07 21 17.0
IsP	21 55.5
BRW EP	07 21 53.4
EsP	22 32.0

Date and Station	Phase (GCT)
	h m s
JUN 22	
BMO E(P)	07 24 07.3
JUN 22	
BCN EP	07 54 59.4
E	55 15.9
EUR EP	07 55 42.2
JUN 22	
H-08 04 33.0	
52.9N 168.2W	
h ABOUT 33KM	
ADK EP	08 05 51.5
E(S)	06 47.0
COL E(P)	08 08 17.0
EUR IP	08 11 48.0
TUC E(P)	08 12 51.7
JUN 22	
GCA EP	09 09 41.2
BCN E(P)	09 09 57.9
JUN 22	
COL IP C	09 31 56.2
IS	32 08.0
BRW E(P)	09 33 32.4
E(S)	34 58.5
JUN 22	
COL IP	09 52 01.8
JUN 22	
COL IP	11 37 13.4
JUN 22	
BMO E(P)	11 38 10.5
JUN 22	
H-11 38 50.7	
61.3N 147.7W	
h ABOUT 28KM	
COL IP C	11 39 48.5
IS	40 32.0
IL	40 45.0
SIT E(P)	11 40 39.6
E	40 50.0
E(S)	42 46.0
BRW EP	11 41 23.4
I	41 29.0
E(S)	43 20.6
EL	44 13.0
NEW IP	11 43 41.6
HHM IP	11 43 54.7
I	43 59.7
EL	50 49.7
BMO IP	11 44 06.5
E	44 20.2
BUT E(P)	11 44 17.1
EL	50 08.1

Date and Station	Phase	(GCT)
		h m s
BOZ	IP	11 44 24.0
	ES	49 26.0
EUR	IP	11 44 52.7
	I	45 04.0
	IPCP	47 57.8
SLD	IP	11 44 54.0
SLC	EP	11 44 58.2
FGU	IP	11 45 06.5
BCN	IP	11 45 23.8
GCA	EP	11 45 27.0
ALQ	IP	11 46 00.4
	I	46 12.5
TUC	EP	11 46 04.3
	E	46 16.2
CSC	EP	11 47 42.1
	E	47 54.0
JUN 22		
H-13 22 55.3		
53.0N 159.7E		
h ABOUT 33KM		
BOZ	E(P)	13 32 26.0
EUR	IP	13 32 35.9
JUN 22		
COL	EP	13 36 56.8
JUN 22		
H-15 16 49.9		
2.1N 101.9W		
h ABOUT 33KM		
TUC	EP	15 23 08.8
EUR	IP	15 24 19.2
JUN 22		
BOZ	E(P)	16 08 23.5
	E	09 50.0
JUN 22		
ALQ	IP	16 45 32.0
	I	46 11.0
JUN 22		
BMO	E(P)	17 24 16.1
COL	E(P)	17 26 34.0
JUN 22		
H-17 46 35.3		
11.5S 166.5E		
h ABOUT 78KM		
COL	EP	17 58 55.0
EUR	EP	17 59 20.0
BOZ	E(P)	17 59 43.5
JUN 22		
CED	EP	18 10 47.1
	IS	10 51.4

Date and Station	Phase	(GCT)
		h m s
JUN 22		
H-18 50 41.2		
45.7N 149.6E		
h ABOUT 151KM		
BRW	IP C	18 57 27.7
COL	IP	18 57 50.5
NEW	IP	19 00 32.0
HHM	E(P)	19 00 42.7
BMO	EP	19 00 45.5
BOZ	IP	19 01 03.2
EUR	IP	19 01 12.9
CED	EP	19 01 28.5
TUC	E(P)	19 02 00.4
JUN 22		
FGU	IP	19 07 16.4
	IS	07 37.0
JUN 22		
BMO	E(P)	19 08 22.1
JUN 22		
BOZ	IP	19 12 15.5
JUN 22		
BMO	EPG	19 13 22.8
JUN 22		
H-19 13 48.6		
06.4S 146.4E		
h ABOUT 121KM		
COL	IP	19 26 13.8
JUN 22		
TUC	EP	20 03 44.0
JUN 22		
H-20 29 06.1		
07.2S 124.7E		
h ABOUT 537KM		
GUA	IP	20 34 21.0
	I(S)	38 32.0
HON	IP	20 40 27.0
	E	42 44.0
	IS	50 00.0
KIP	IP	20 40 28.0
	E	42 28.0
	IS	50 00.0
BRW	IP D	20 41 23.6
	I	41 30.9
	IPP	43 22.1
	ISKS	51 12.2
	EPKKP	58 25.9
	EP'P'	21 06 47.7

Date and Station	Phase	(GCT)
		h m s
COL	IP D	20 41 32.3
	I	41 41.0
	IPP	43 26.8
	IPP	45 36.1
	IPPP	47 17.8
	ISKS	51 22.8
	ISP	53 34.0
	EPS	54 34.4
	I	56 49.0
	IPKKP	58 28.2
	IPKKP	59 03.5
	E	21 00 33.5
	EP'P'	06 41.8
NEW	EP'	20 46 43.0
HHM	IP'D	20 46 49.1
	I	46 54.2
BMO	E(P)	20 43 02.0
CED	EP'	20 46 52.4
EUR	EP	20 43 18.3
	EPP	45 19.6
	IP'	46 53.0
	IPP	48 09.8
	EPPP	49 56.5
	E	52 33.8
	I(SKS)	53 09.1
	I	54 24.5
	E(S)	55 33.8
	E(SP)	57 23.4
	IPKKP	59 30.3
	ISKKP	21 00 04.3
BOZ	E(P)	20 43 27.5
	E	45 15.0
	IP'	46 55.5
	EPP'	49 07.0
	EPKKP	57 20.0
BUT	EP'	20 47 08.2
	EPP	48 29.2
	EPP'	49 42.2
	EPPP	50 24.4
SLD	EP	20 43 09.0
	EPP	45 12.0
	IP'	46 46.0
	IP'	46 51.5
	ES	54 03.0
	ESP	56 33.5
	PKKP	57 37.0
	E	59 34.0
BCN	IP'	20 46 55.4
	PKKP	57 11.9
SLC	EP'	20 46 57.6
	I	47 03.9
	IPP'	49 04.9
GCA	EP'	20 47 01.0
	ESKKS	54 09.5
	EPKKP	57 09.5
FGU	IP'D	20 47 01.5
	I	47 07.5
	I	54 51.0
TUC	EP'	20 47 03.9
	I	57 04.0

Date and Station	Phase	(GCT)
		h m s
WSC	IP'	20 47 36.9
	EPP'	49 39.5
	ISKP	50 35.5
CSC	IP'	20 47 43.2
	E	47 51.0
BHP	IP'	20 48 00.5
SJG	EP'1	20 48 09.5
	I	48 15.0
	IP'2	49 10.0
	I	49 16.5
	EPP'1	50 21.0
	EPP'2	51 14.5
	SKKS	58 57.5
	SKKKS	59 58.0
	ISP	21 03 54.0
JUN 22		
BMO	E(P)	22 02 56.5
JUN 22		
ALQ	IP	22 29 42.0
JUN 22		
NEW	EP	22 46 18.0
HHM	E(P)	22 46 43.2
	EL	47 20.7
JUN 23		
H-00 20 17.8		
17.2S 070.3W		
h ABOUT 152KM		
BMO	EP	00 31 45.7
JUN 23		
H-00 46 42.4		
44.9N 111.3W		
h ABOUT 33KM		
BZM	EP	00 46 55.0
HHM	E(P)	00 47 43.5
NEW	EP	00 48 01.0
EUR	E(P)	00 48 23.0
BMO	EPG	00 48 02.9
JUN 23		
BRW	EP	00 58 27.4
JUN 23		
HHM	E(P)	01 08 57.5
	EL	09 50.0
JUN 23		
SIT	E(P)	01 12 13.5
JUN 23		
H-05 01 43.7		
43.9N 140.0E		
h ABOUT 224KM		
BRW	EP D	05 09 01.9
	E	09 55.4
	IPCP	10 59.3
	ESCP	14 27.2

Date and Station	Phase (GCT)
	h m s
COL IP D	05 09 30.3
I▸P	10 18.9
IS	15 44.5
SIT E(P)	05 10 33.0
NEW IP	05 12 07.8
HHM IP	05 12 17.5
I	12 42.8
BMO EP	05 12 21.3
E▸P	13 14.6
SLD IP D	05 12 38.9
BOZ IP	05 12 36.5
I▸P	13 31.0
EUR IP D	05 12 47.2
E	13 03.4
EPP	16 26.8
FGU EP	05 13 03.0
CED IP	05 13 03.0
TUC IP D	05 13 31.5
ALQ IP	05 13 35.4
I▸P	14 30.4
JUN 23	
BMO E(P)	05 08 14.0
JUN 23	
ALQ EP	05 32 09.1
JUN 23	
H-05 39 17.7	
38.5N 139.5E	
h ABOUT 147KM	
BRW E(P)	05 47 25.9
COL E(P)	05 47 48.4
BMO EP	05 50 27.2
BOZ EP	05 50 43.5
E▸P	51 20.0
EUR IP	05 50 51.3
JUN 23	
BMO E(P)	05 40 21.7
JUN 23	
H-07 03 53.2	
36.2N 066.7E	
h ABOUT 22KM	
COL E(P)	07 15 41.2
JUN 23	
BOZ EP	07 19 08.0
EL	19 39.5
FGU EP	07 19 10.0
EL	19 39.0
JUN 23	
GUA EP	07 31 26.8
ES	31 34.0

Date and Station	Phase (GCT)
	h m s
JUN 23	
BMO E(P)	07 39 08.8
JUN 23	
COL EP	07 39 21.0
JUN 23	
BMO E(P)	07 43 49.4
JUN 23	
H-09 01 48.1	
13.4N 090.3W	
h ABOUT 33KM	
EUR IP	09 08 37.1
BMO E(P)	09 09 13.1
JUN 23	
H-09 10 37.3	
25.1S 116.5W	
h ABOUT 33KM	
EUR IP	09 21 13.4
BMO EP'	09 21 42.1
JUN 23	
H-09 37 04.4	
14.1S 022.2E	
h ABOUT 33KM	
EUR EP'	09 56 19.2
BMO EP'	09 56 07.2
JUN 23	
GUA IP	10 22 45.0
ES	23 09.0
JUN 23	
BMO E(P)	10 35 00.6
JUN 23	
COL EP	10 41 56.1
JUN 23	
COL IP	10 53 58.7
IS	54 14.0
BRW IP D	10 55 26.8
BMO E(P)	10 59 18.6
JUN 23	
ALQ E(P)	11 20 17.0
JUN 23	
BMO EP	12 03 32.8
COL IP	12 03 44.5
JUN 23	
H-13 06 25.9	
53.5N 167.5W	
h ABOUT 17KM	
ADK EP	13 07 52.8
COL EP	13 10 00.0
BRW EP	13 10 43.0
BMO E(P)	13 13 04.3

Date and Station	Phase (GCT)
	h m s
BOZ EP	13 13 30.0
EUR IP	13 13 39.2
JUN 23	
H-13 33 36.8	
14.6N 091.3W	
h ABOUT 33KM	
ALQ IP	13 38 54.0
TUC EP	13 38 59.6
EUR EP	13 40 10.0
BOZ EP	13 40 30.0
E	43 14.5
BMO EP	13 40 46.7
E	41 01.3
EPCP	43 04.0
COL EP	13 43 59.0
JUN 23	
ALQ EP	13 46 04.2
JUN 23	
GUA EP	14 07 19.4
ES	07 31.5
JUN 23	
BMO EP	14 19 27.7
JUN 23	
CSC EP	15 17 37.8
JUN 23	
FGU EP	16 12 09.0
I	12 10.0
IL	12 36.0
JUN 23	
HHM E(P)	16 47 32.0
EL	48 06.9
JUN 23	
HHM E(P)	17 15 48.5
EL	16 22.0
JUN 23	
NEW EP	17 40 03.0
E	40 30.0
JUN 23	
H-17 42 04.0	
36.4N 071.3E	
h ABOUT 105KM	
COL IP	17 53 32.4
JUN 23	
CED IP D	18 54 39.3
IS	54 51.9
JUN 23	
HHM E(P)	20 23 49.0
JUN 23	
HHM E(P)	21 09 47.8
EL	10 19.5

Date and Station	Phase (GCT)
	h m s
JUN 23	
HHM E(P)	21 12 32.5
EL	13 05.5
JUN 23	
ALQ IP	21 19 02.0
JUN 23	
H-21 51 55.2	
38.1N 141.5E	
h ABOUT 71KM	
BRW IP D	22 00 09.2
E	00 45.4
COL IP	22 00 29.8
NEW IP	22 02 56.5
HHM IP	22 03 07.5
E▸P	03 25.0
BMO EP	22 03 08.2
BOZ IP	22 03 25.0
E	03 48.0
FGU IP	22 03 49.9
TUC EP	22 04 14.0
ALQ IP	22 04 19.4
JUN 23	
FGU EP	23 13 33.5
JUN 23	
COL IP	23 15 29.7
ES	15 52.0
JUN 23	
BMO E(P)	23 20 22.2
JUN 24	
COL EP	00 18 47.0
JUN 24	
BMO E(P)	00 19 16.0
JUN 24	
NEW IP	00 59 21.8
E	01 00 06.0
BMO EP	00 59 31.2
JUN 24	
HHM EP	01 01 09.3
JUN 24	
H-02 57 02.0	
06.3S 155.1E	
h ABOUT 149KM	
COL EP	03 09 07.5
E▸P	09 39.6
BMO EP	03 09 58.3
EUR IP C	03 10 02.1
E▸P	10 37.1
FGU EP	03 10 25.5
E▸P	11 02.5

Date and Station	Phase	(GCT)
		h m s
JUN 24		
BCN	E(P)	03 20 32.5
JUN 24		
BOZ	IP	04 49 04.0
HHM	E(P)	04 49 59.3
BMO	EP	04 50 17.8
JUN 24		
COL	EP	05 11 47.0
EUR	IP	05 12 22.4
JUN 24		
H-07 05 19.3		
36.6N 071.5E		
h ABOUT 193KM		
COL	EP	07 16 36.4
JUN 24		
EUR	E(P)	07 40 12.5
JUN 24		
H-08 17 49.4		
26.8S 177.3W		
h ABOUT 147KM		
CED	EP	08 29 59.9
BCN	IP C	08 30 13.8
	EpP	30 50.2
TUC	IP C	08 30 17.9
	IpP	30 55.5
EUR	IP C	08 30 20.5
	EpP	30 58.8
GCA	EP	08 30 27.6
BMO	EP	08 30 32.3
	EpP	31 11.0
SLC	EP	08 30 36.4
ALQ	IP	08 30 37.5
	IpP	31 16.0
FGU	EP	08 30 44.0
	EpP	31 22.5
BOZ	IP	08 30 50.5
	I	31 20.5
JUN 24		
COL	E(P)	10 17 58.2
	E	18 32.5
JUN 24		
H-12 00 00.8		
8.5N 070.7W		
h ABOUT 33KM		
EUR	EP	12 09 04.1
JUN 24		
H-13 47 50.0		
24.2S 178.7E		
h ABOUT 619KM		
TUC	EP	13 59 36.0
EUR	IP	13 59 37.0
BMO	E(P)	13 59 47.1
JUN 24		
BMO	E(P)	14 01 52.8
JUN 24		
NEW	IP	14 20 29.0
JUN 24		
COL	EP	15 46 04.0
JUN 24		
BMO	E(P)	16 36 08.6
JUN 24		
GUA	IP	17 16 07.0
	IS	16 26.0
JUN 24		
BMO	E(P)	17 28 28.1
JUN 24		
EUR	IP	17 29 32.0
JAN 24		
GUA	IP	17 36 45.0
	IS	36 59.0
JAN 24		
GUA	IP	17 41 57.0
	ES	42 10.0
JUN 24		
BMO	EP	17 54 09.2
JUN 24		
TUC	EP	18 51 25.0
BMO	EP	18 51 36.0
JUN 24		
BCN	E(P)	19 10 31.8
JUN 24		
H-20 00 06.8		
6.9N 073.1W		
h ABOUT 138KM		
BHP	IP	20 01 43.5
	IL	03 03.0
SJG	EP	20 03 07.1
	ES	05 24.5
TUC	E(P)	20 07 56.6
EUR	EP	20 08 51.7
	E	09 29.0
BOZ	EP	20 08 57.0
BMO	E(P)	20 09 16.2
COL	EP	20 11 45.0
JUN 24		
BMO	E(P)	20 12 52.2
COL	EP	20 13 52.0
JUN 24		
HHM	E(P)	20 18 57.8
	EL	19 24.3
JUN 24		
NEW	EP	20 20 20.0
JUN 24		
ALQ	IP	20 54 21.4
	IS	54 51.5
JUN 24		
EUR	E(P)	21 25 03.0
JUN 24		
H-21 42 49.2		
36.5N 120.8W		
h ABOUT 12KM		
SLD	IP D	21 43 02.7
	IS	43 14.5
BCN	E(P)	21 44 00.3
	E	44 14.9
	IS	45 49.9
EUR	IP	21 44 05.0
	I	44 16.2
JUN 24		
H-22 34 25.0		
38.8N 021.5E		
h ABOUT 27KM		
COL	EP	22 46 13.0
BMO	E(P)	22 47 18.6
JUN 24		
ALQ	IP	22 47 55.8
	IS	48 21.4
JUN 24		
H-22 59 56.2		
31.5N 114.1W		
h ABOUT 33KM		
TUC	E(P)	23 00 40.0
BCN	E(P)	23 01 03.2
	E	01 19.8
GCA	EP	23 01 24.0
	EL	03 13.5
ALQ	EP	23 01 46.0
	I	02 07.5
	IL	03 51.5
EUR	EP	23 01 55.6
	E	02 30.5
	EL	04 11.2
JUN 24		
EUR	E(P)	23 15 51.0
	EL	18 28.5
JUN 24		
NEW	EP	23 32 49.0
JUN 25		
TUC	E(P)	01 17 57.1
JUN 25		
HON	EP	01 27 03.5
JUN 25		
TUC	E(P)	01 36 06.9
JUN 25		
H-01 46 09.9		
29.6N 142.1E		
h ABOUT 45KM		
GUA	IP	01 49 56.0
	ES	53 04.0
COL	EP	01 55 40.0
NEW	IP	01 57 49.3
HHM	E(P)	01 58 00.1
SLD	EP	01 58 04.0
BOZ	IP	01 58 15.7
EUR	IP C	01 58 17.1
	I	58 21.0
	IpP	58 42.6
	EPP	02 01 30.8
SLC	EP	01 58 28.6
	IpP	58 32.7
BCN	EP	01 58 31.2
	I	58 35.7
FGU	EP	01 58 37.0
GCA	EP	01 58 39.2
	I	58 43.2
TUC	EP	01 58 55.0
ALQ	IP	01 59 02.0
JUN 25		
COL	EP	02 54 51.0
JUN 25		
COL	EP	03 18 27.0
JUN 25		
SJG	IP	03 42 41.5
	IS	42 57.0
JUN 25		
SJG	IP	04 45 49.0
	IS	46 09.0
JUN 25		
ALQ	EP	05 10 16.8
	E	10 23.0
JUN 25		
EUR	E(P)	09 52 54.6
H-10 32 07.6		
19.7S 169.5E		
h ABOUT 199KM		
COL	EP	10 44 45.0
BCN	IP D	10 44 48.0
	EpP	45 37.8

Date and Station	Phase (GCT)
	h m s
EUR IP	10 44 50.7
EpP	45 41.5
TUC EP	10 44 55.5
BMO EP	10 44 55.9
E	46 15.1
ALQ E(P)	10 45 14.2
JUN 25	
TUC E(P)	11 02 28.3
JUN 25	
H-11 52 16.7	
32.6N 048.7E	
h ABOUT 36KM	
COL EP	12 04 34.0
JUN 25	
ALQ E(P)	12 02 42.2
JUN 25	
H-12 05 03.8	
30.5N 082.3E	
h ABOUT 46KM	
COL EP	12 16 55.0
JUN 25	
H-13 16 49.9	
29.3N 141.9E	
h ABOUT 41KM	
COL EP	13 26 22.5
BMO E(P)	13 28 39.9
EUR IP	13 29 03.2
JUN 25	
GUA IP	13 55 16.0
IS	55 47.0
JUN 25	
COL EP	14 05 05.0
JUN 25	
COL EP	14 25 42.0
JUN 25	
SJG EP	15 23 15.5
I	23 20.0
JUN 25	
H-16 01 17.1	
10.2S 161.1E	
h ABOUT 37KM	
COL IP C	16 13 42.7
I	13 57.7
EUR IP C	16 14 19.5
I	14 30.6
EPP	17 57.5
BMO EP	16 14 19.8
EpP	14 30.9
BCN IP	16 14 20.2
IpP	14 31.2
IsP	14 35.4
NEW IP	16 14 23.1
TUC EP	16 14 32.0
BOZ IP	16 14 39.5
IpP	14 50.5
ALQ IP	16 14 49.8
JUN 25	
H-17 13 00.0	
37.1N 116.1W	
h ABOUT 0KM	
BCN IP C	17 13 27.9
EUR IP C	17 13 39.7
CED IP C	17 13 49.7
I	13 57.2
ILG	14 44.2
GCA IP	17 13 57.5
I	14 05.3
IL	14 51.0
SLD I(P)	17 14 10.4
IL	15 11.5
SLC EP	17 14 18.3
IL	14 46.8
TUC EP	17 14 37.8
EL	16 25.5
FGU EP	17 14 40.7
BMO EP	17 14 57.0
ALQ IP	17 15 00.4
I	15 29.0
BOZ EP	17 15 18.5
I	15 57.0
NEW IP	17 15 44.8
EL	18 59.0
HHM EP	17 15 47.0
EL	19 15.1
COL EP	17 19 42.0
JUN 25	
H-17 24 39.2	
13.9N 091.1W	
h ABOUT 103KM	
SJG EP	17 29 48.0
ALQ I(P)	17 29 51.0
TUC EP	17 30 01.7
WSC E(P)	17 30 21.4
GCA EP	17 30 35.5
IPCP	33 41.5
BCN EP	17 30 45.7
E	30 55.9
FGU EP C	17 30 51.5
EUR IP C	17 31 12.4
EPCP	33 53.2
ESCP	37 33.5
BOZ IP	17 31 32.5
E	31 49.0
EPCP	34 01.0
BMO EP	17 31 48.4
EPP	33 20.6
HHM E(P)	17 32 00.0
E	32 06.4
EPCP	34 08.4
NEW IP	17 32 09.2
IPCP	34 11.0
COL IP C	17 35 00.6
IPCP	35 36.9
JUN 25	
BMO E(P)	17 37 48.8
JUN 25	
BMO EP	17 53 25.2
JUN 25	
BCN E(P)	18 11 54.3
EUR IP	18 12 12.1
GCA E(P)	18 12 34.0
EL	13 21.5
BMO E(P)	18 13 30.9
JUN 25	
H-18 38 35.5	
05.0S 151.3E	
h ABOUT 123KM	
GUA IP	18 42 58.0
IS	46 17.0
COL EP	18 50 44.0
BMO EP	18 51 42.7
EUR IP C	18 51 47.3
IpP	52 19.8
SJG EP'	18 57 47.7
JUN 25	
BMO EP	19 09 17.2
JUN 25	
SLD IP	19 48 59.4
IS	49 04.2
JUN 25	
H-21 32 10.8	
53.2N 171.0E	
h ABOUT 33KM	
ADK EP	21 34 00.5
COL EP	21 37 19.0
BMO E(P)	21 40 32.1
BOZ EP	21 40 54.5
EUR IP	21 41 05.0
JUN 25	
H-21 56 57.7	
14.0N 091.7W	
h ABOUT 33KM	
TUC E(P)	22 02 26.2
EUR IP	22 03 32.6
BMO EP	22 04 12.1
JUN 25	
ALQ IP	22 43 36.2
IS	44 01.0
JUN 25	
BOZ EP	22 47 07.5
JUN 25	
H-23 17 06.3	
15.9N 096.5W	
h ABOUT 51KM	
TUC IP C	23 21 46.8
E	21 54.7
EL	28 00.0
ALQ IP	23 21 47.5
IPCP	25 51.0
GCA EP	23 22 28.5
BCN IP	23 22 35.4
E(L)	30 34.9
FGU IP C	23 22 50.5
EUR EP D	23 23 04.7
E	23 53.7
EL	32 38.5
BOZ IP	23 23 33.5
BMO EP	23 23 44.8
E	24 15.9
HHM E(P)	23 24 00.0
E	24 04.3
NEW IP	23 24 08.0
COL EP	23 27 08.0
JUN 25	
BUT EP	23 25 40.8
EL	26 04.2
JUN 25	
TUC E(P)	23 33 11.0
JUN 26	
BMO E(P)	01 00 17.0
HHM E(P)	01 00 27.4
JUN 26	
HON EP	01 25 13.8
JUN 26	
HON EP	01 32 24.3

Date and Station	Phase (GCT)
	h m s
JUN 26	
HON IP	01 40 17.4
JUN 26	
HON EP	02 09 38.0
JUN 26	
COL E(P)	06 06 19.2
JUN 26	
H-06 49 18.2	
21.3S 174.2W	
h ABOUT 35KM	
TUC EP	07 01 29.8
EUR IP	07 01 32.5
GCA EP	07 01 40.5
BMO EP	07 01 44.1
E	01 55.8
ALQ IP	07 01 52.5
BOZ EP	07 02 04.0
COL IP	07 02 06.4
JUN 26	
H-07 34 59.0	
36.5N 138.0E	
h ABOUT 73KM	
COL EP	07 43 54.0
HHM E(P)	07 46 28.7
BMO EP	07 46 30.3
BOZ EP	07 46 46.2
EUR IP	07 46 53.2
JUN 26	
TUC EP	09 26 30.8
JUN 26	
H-10 56 08.8	
26.2N 092.8E	
h ABOUT 49KM	
COL EP	11 08 04.0
JUN 26	
FGU E(P)	11 01 10.2
EL	02 36.5
JUN 26	
ALQ IP	11 24 20.0
IS	24 49.0
JUN 26	
ADK IP	11 37 46.0
COL IP	11 40 46.8
BMO E(P)	11 43 20.4
E	43 36.3
BOZ E(P)	11 43 46.0
EUR IP	11 43 51.0

Date and Station	Phase (GCT)
	h m s
JUN 26	
H-11 59 44.2	
44.3N 103.4W	
h ABOUT 33KM	
BOZ E(P)	12 01 19.5
ES	02 16.5
JUN 26	
H-13 17 00.2	
37.0N 035.9E	
h ABOUT 45KM	
COL EP	13 28 58.0
BMO E(P)	13 30 19.6
JUN 26	
EUR EP	13 48 39.3
JUN 26	
COL EP	14 51 44.5
NEW IP	14 53 44.1
HHM E(P)	14 53 51.7
BMO EP	14 53 53.3
JUN 26	
BHP IP	16 07 46.5
IS	08 02.0
JUN 26	
COL EP	16 22 50.0
JUN 26	
SJG EP	17 19 07.9
IS	19 31.0
JUN 26	
H-17 45 09.7	
09.3S 111.7E	
h ABOUT 33KM	
BMO EP'	18 04 07.8
BOZ EP'	18 04 15.4
JUN 26	
BOZ EP	18 21 39.0
JUN 26	
H-18 41 40.5	
36.9N 107.2W	
h ABOUT 5KM	
ALQ IP	18 42 14.5
IS	42 41.0
GCA IP	18 42 39.0
I	42 47.2
IL	43 31.0
TUC E(P)	18 43 21.3
JUN 26	
COL EP	19 14 36.0
BMO EP	19 17 10.2
BOZ EP	19 17 26.0

Date and Station	Phase (GCT)
	h m s
JUN 26	
SLD IP	20 17 22.5
IS	17 28.5
JUN 26	
COL EP	20 43 22.0
JUN 26	
EUR EP	21 31 54.0
JUN 26	
COL EP	22 27 33.0
BMO E(P)	22 30 36.5
BOZ E(P)	22 30 52.0
EUR EP	22 31 00.0
ALQ EP	22 31 10.5
I	31 57.5
JUN 26	
BOZ EP	23 25 47.5
EL	26 07.5
HHM EP	23 25 54.7
EL	26 20.2
JUN 26	
NEW EP	23 27 17.0
JUN 26	
H-23 30 50.8	
31.9N 104.5E	
h ABOUT 27KM	
COL EP	23 41 53.0
HHM EP	23 44 05.6
BMO E(P)	23 44 20.9
JUN 27	
TUC E(P)	01 04 19.8
JUN 27	
EUR E(P)	01 26 08.5
JUN 27	
COL EP	03 05 26.0
BMO E(P)	03 08 31.8
EUR IP	03 08 56.8
JUN 27	
H-04 11 02.6	
52.1N 179.6W	
h ABOUT 38KM	
ADK IP	04 11 32.5
I	12 03.5
COL EP	04 15 42.0
BMO EP	04 18 42.5
E	18 50.5
EUR IP	04 19 13.8
EPCP	20 58.0
TUC E(P)	04 20 11.6

Date and Station	Phase (GCT)
	h m s
JUN 27	
TUC E(P)	04 44 19.5
JUN 27	
H-05 16 03.3	
43.2N 013.3E	
h ABOUT 33KM	
BMO EP	05 28 20.9
E	28 35.2
JUN 27	
H-06 04 30.0	
38.5N 122.6W	
h ABOUT 18KM	
SLD EP	06 05 00.5
IL	05 26.0
EUR EP	06 05 49.8
JUN 27	
BMO EP	06 22 33.1
JUN 27	
H-06 28 05.2	
21.4S 170.0E	
h ABOUT 43KM	
EUR E(P)	06 41 03.5
JUN 27	
ALQ E(P)	06 37 53.0
E	37 55.6
JUN 27	
H-07 40 20.2	
38.7N 119.8W	
h ABOUT 20KM	
SLD I(P)	07 40 56.5
IS	41 27.5
EUR I(P)	07 41 00.7
BCN E(P)	07 41 28.3
I	41 43.9
IL	42 43.6
CED E(P)	07 41 36.6
ELG	42 49.6
BMO EPG	07 42 15.4
GCA E(P)	07 42 17.0
EL	43 35.5
JUN 27	
SJG EP	08 20 41.0
I(S)	21 31.0
JUN 27	
SLD EP	08 21 10.0
IS	21 11.8
JUN 27	
H-08 29 34.0	
19.3N 108.1W	
h ABOUT 33KM	
ALQ IP	08 33 15.5
BCN EP	08 33 42.6
I	33 52.6

Date and Station	Phase (GCT)
	h m s
GCA EP	08 33 44.0
EUR IP	08 34 20.1
FGU EP	08 34 24.2
BMO EP	08 35 10.5
E	35 19.1
NEW IP	08 35 40.2
COL EP	08 38 47.0
JUN 27	
H-08 38 44.1	
22.7S 175.6W	
h ABOUT 41KM	
BCN E(P)	08 51 01.6
TUC EP	08 51 05.0
EUR EP C	08 51 07.5
EPP	51 19.9
GCA EP	08 51 16.0
BMO EP	08 51 19.6
ALQ IP	08 51 27.4
I	51 42.0
NEW EP	08 51 29.4
FGU EP	08 51 32.0
COL EP	08 51 39.0
IPP	51 52.5
JUN 27	
H-09 25 20.3	
19.2N 108.2W	
h ABOUT 33KM	
ALQ IP	09 29 07.0
EUR IP	09 30 06.8
BMO E(P)	09 30 57.6
JUN 27	
SLD IP	10 09 53.7
I(S)	10 07.0
JUN 27	
H-10 41 07.8	
29.6N 080.9E	
h ABOUT 33KM	
BRW IP C	10 52 27.8
COL IP C	10 53 07.0
I	53 17.0
EPP	56 02.3
ES	11 03 06.7
SIT IP	10 54 01.0
NEW IP	10 54 55.6
HHM E(P)	10 54 56.4
EPP	59 10.4
E(S)	11 05 39.9

Date and Station	Phase (GCT)
	h m s
BMO EP	10 55 09.6
EP'	59 02.6
EUR E(P)	10 55 39.7
E	58 56.9
EP'	59 37.9
EPP	11 00 07.7
E(SKP)	03 16.0
EPKKP	10 41.2
ALQ IP'	10 59 39.2
BCN EP'	10 59 42.3
TUC EP'	10 59 53.5
SJG EP'	11 00 01.5
EPP	01 36.0
BHP EP'	11 00 31.0
JUN 27	
H-10 49 46.0	
29.6N 080.9E	
h ABOUT 16KM	
BRW IP	11 01 08.0
COL EP C	11 01 46.6
EPP	04 42.6
EUR E(P)	11 04 28.8
EP'	08 23.4
E(PP)	08 44.5
JUN 27	
H-10 59 14.1	
29.7N 81.0E	
h ABOUT 13KM	
COL IP C	11 11 16.1
E	11 34.5
EPP	14 08.2
IS	21 12.0
EP'P'	38 13.5
ESKPP'	41 36.0
BRW IP C	11 11 36.4
SIT IP	11 12 09.0
IPP	15 36.0
NEW IP	11 13 03.9
HHM EP	11 13 10.4
EPP	16 52.9
BMO EPKKP	11 29 30.8
SLC E(P)	11 13 31.7
E	14 01.3
EUR E(P)	11 13 49.5
E	17 14.7
IP'	17 45.9
IPP	18 17.4
ESKS	24 24.5
E(S)	25 45.0
E	27 41.3
EPKKP	28 51.6
E(SS)	33 11.8
EP'P'	37 15.2

Date and Station	Phase (GCT)
	h m s
BCN EP'	11 17 53.3
EPP	18 48.9
EPKKP	28 40.2
TUC EP '	11 18 02.1
E	21 49.6
SJG EP'	11 18 10.5
EPP	19 50.0
JUN 27	
H-11 21 43.3	
29.7N 080.9E	
h ABOUT 33KM	
EUR EP'	11 40 12.5
JUN 27	
EUR EP	11 51 16.1
JUN 27	
H-12 14 01.5	
16.6S 173.8W	
h ABOUT 29KM	
EUR EP	12 25 56.5
E	26 19.5
BMO EP	12 26 08.3
ALQ EP	12 26 20.0
E	26 40.5
COL EP	12 26 28.0
JUN 27	
SLD IP	12 33 06.8
IS	33 08.7
JUN 27	
EUR EP	13 10 44.6
SLD EP	13 10 52.5
IL	11 26.7
JUN 27	
SLD IP	13 21 54.8
IS	22 00.4
JUN 27	
H-13 31 36.1	
55.8S 027.1W	
h ABOUT 33KM	
BMO EP'	13 50 35.4
COL EP'	13 51 23.0
JUN 27	
H-13 55 49.8	
29.7N 080.9E	
h ABOUT 19KM	
COL IP	14 07 50.8
ALQ EP'	14 14 32.8
JUN 27	
EUR EP	14 25 24.3
JUN 27	
CED IP C	15 15 40.1
IS	15 47.4

Date and Station	Phase (GCT)
	h m s
JUN 27	
BMO E(P)	16 29 26.2
JUN 27	
SLD IP C	17 35 19.8
IS	35 24.7
JUN 27	
FGU EP	17 39 41.5
I	39 43.3
IL	40 15.5
JUN 27	
COL EP	17 42 02.0
JUN 27	
BMO E(P)	17 45 05.6
EUR IP	17 45 29.6
JUN 27	
H-18 11 37.8	
15.8S 167.1E	
h ABOUT 15KM	
EUR EP	18 24 38.2
BMO E(P)	18 24 42.0
JUN 27	
FGU EP	18 42 11.5
I	42 13.1
IL	42 41.0
EUR E(P)	18 44 06.0
I	44 18.8
JUN 27	
EUR EP	18 57 27.2
E	57 34.0
JUN 27	
EUR EP	19 04 52.0
JUN 27	
COL EP	19 11 25.0
EUR EP	19 14 48.9
I	14 55.4
JUN 27	
COL EP	19 29 37.0
BMO E(P)	19 32 41.1
EUR IP	19 33 07.0
JUN 27	
ALQ IP	19 55 46.5
IS	56 22.4
JUN 27	
H-20 02 25.8	
52.2N 175.7W	
h ABOUT 33KM	
COL EP	20 06 50.0
BMO E(P)	20 09 53.7
EUR EP	20 10 18.3
I	10 24.6

Date and Station	Phase (GCT)
	h m s
JUN 27	
EUR EP	20 16 07.3
JUN 27	
H-21 47 11.8	
38.1S 177.1E	
h ABOUT 114KM	
SLD EP	22 00 18.3
EpP	00 43.5
BCN EP	22 00 32.0
EUR EP	22 00 38.5
EpP	01 04.1
BMO EP	22 00 50.8
EpP	01 20.9
BRW EP'	22 05 29.5
SJG EP'	22 05 52.2
JUN 27	
H-22 14 29.0	
20.8S 176.0W	
h ABOUT 291KM	
BMO E(P)	22 26 30.1
JUN 27	
EUR EP	22 28 11.9
JUN 27	
H-22 44 22.4	
7.3N 125.0E	
h ABOUT 39KM	
BRW EP	22 56 26.2
JUN 27	
NEW EP	22 55 36.0
JUN 27	
ALQ IP	23 11 31.0
IS	11 56.5
JUN 27	
CED EP	23 37 48.2
JUN 28	
H-00 01 32.9	
45.6N 026.4E	
h ABOUT 158KM	
BMO EP	00 13 48.5
EpP	14 30.6
JUN 28	
COL IP	00 32 19.2
BRW E(P)	00 33 49.4
JUN 28	
H-00 59 54.4	
12.6S 167.1E	
h ABOUT 233KM	
COL IP C	01 12 00.7
EpP	12 55.9
EUR IP C	01 12 19.7
IpP	13 18.9
BMO EP	01 12 23.2
EpP	13 22.1
TUC IP C	01 12 30.4
ALQ E(P)	01 12 48.2
EpP	13 47.0
JUN 28	
H-01 00 31.5	
35.9N 120.5W	
h ABOUT 16KM	
SLD IP C	01 00 55.0
IS	01 14.0
CED EP	01 01 22.8
EUR EP	01 01 53.1
I	02 06.6
IL	03 14.0
JUN 28	
SJG EP	01 26 07.4
IL	27 01.0
JUN 28	
H-01 49 59.7	
05.6S 146.4E	
h ABOUT 34KM	
GUA EP	01 54 20.0
ES	57 52.0
COL EP	02 02 33.0
BRW EP	02 02 34.8
NEW EP	02 03 37.0
BMO EP	02 03 37.3
SJG EP'	02 09 37.8
JUN 28	
COL EP	02 34 34.0
JUN 28	
H-04 08 54.8	
35.9N 120.6W	
h ABOUT 6KM	
SLD IP D	04 09 19.6
IS	09 38.6
CED IP C	04 09 47.5
EUR IP	04 10 13.8
GCA EP	04 10 45.6
IL	12 48.0
TUC EP	04 11 03.5
SLC EP	04 11 03.5
IL	13 28.1
BMO EPN	04 11 14.6
ELG	13 50.7
FGU EP	04 11 27.0
EL	14 17.5
ALQ IP	04 11 44.8
BUT E(P)	04 11 47.4
BOZ EP	04 11 47.6
NEW IP	04 12 01.2
EL	15 40.0
HHM EP	04 12 11.4
EL	16 04.9
COL EP	04 15 38.0
BRW EP	04 16 36.4
SJG E(P)	04 18 04.2
JUN 28	
H-04 18 34.0	
35.9N 120.5W	
h ABOUT 15KM	
SLD IP C	04 18 57.5
IS	19 16.5
CED EP	04 19 26.3
EUR E(P)	04 19 55.0
E	20 09.5
IL	21 14.3
JUN 28	
H-04 26 12.0	
35.8N 120.6W	
h ABOUT 7KM	
SLD IP D	04 26 36.8
IS	26 55.8
CED EP C	04 27 04.5
EUR IP	04 27 30.8
GCA IP	04 28 02.5
IL	29 58.0
TUC EP	04 28 18.9
BMO EPN	04 28 31.9
ELG	31 08.7
FGU EP	04 28 44.0
EL	31 45.0
ALQ IP	04 29 00.6
BOZ E(P)	04 29 08.5
IL	32 34.0
BUT E(P)	04 29 12.9
HHM EP	04 29 29.9
EL	33 22.9
SIT IP	04 31 28.0
CSC E(P)	04 32 40.0
COL EP	04 32 54.0
I	33 03.7
ES	38 35.0
EL	40 47.0
WSC E(P)	04 33 02.8
EL	42 07.8
BRW E(P)	04 34 00.9
SJG EP	04 35 19.7
ES	42 28.3
JUN 28	
H-04 32 51.6	
34.7N 120.3W	
h ABOUT 16KM	
SLD EP	04 32 24.0
ES	32 42.5
CED E(P)	04 32 49.3
JUN 28	
BHP EP	04 33 13.0
ES	45 08.0
JUN 28	
SLD EP	04 33 15.4
ES	33 35.9
JUN 28	
H-04 35 02.3	
35.8N 120.4W	
h ABOUT 16KM	
SLD EP	04 35 25.0
CED E(P)	04 35 49.0
JUN 28	
H-04 39 06.2	
35.8N 120.4W	
h ABOUT 13KM	
SLD IP C	04 39 32.5
IS	39 55.0
CED EP	04 39 56.5
JUN 28	
SLD I(P)	04 43 02.5
I(S)	43 20.5
JUN 28	
H-04 46 23.0	
35.9N 120.3W	
h ABOUT 16KM	
SLD I(P)	04 46 45.8
CED E(P)	04 47 10.8
JUN 28	
H-05 01 00.0	
35.9N 120.4W	
h ABOUT 3KM	
SLD IP C	05 01 25.2
IS	02 49.2
CED E(P)	05 01 52.5
JUN 28	
SLD E(P)	05 10 19.2
ES	10 41.5
JUN 28	
SLD IP D	05 13 07.0
IS	13 26.0

Date and Station	Phase (GCT)
	h m s
JUN 28	
ALQ E(P)	05 32 18.5
JUN 28	
SLD E(P)	05 40 44.7
IS	41 03.2
JUN 28	
H-05 46 00.0	
35.8N 120.4W	
h ABOUT 10KM	
SLD IP C	05 46 26.5
IS	46 49.2
CED EP	05 46 50.0
JUN 28	
SLD E(P)	05 53 24.0
IS	53 42.5
JUN 28	
SLD E(P)	06 11 35.0
IS	11 53.8
JUN 28	
H-06 32 17.6	
35.9N 120.5W	
h ABOUT 18KM	
SLD IP D	06 32 41.1
IS	33 00.5
CED E(P)	06 33 08.8
JUN 28	
SLD I(P)	06 35 38.7
IS	35 57.5
JUN 28	
SLD I(P)	06 39 57.0
IS	40 16.0
JUN 28	
SLD IP	07 34 18.5
IS	34 36.8
JUN 28	
H-07 40 59.1	
10.9S 164.5E	
h ABOUT 33KM	
COL EP	07 53 24.0
E	53 33.0
BMO E(P)	07 54 01.0
JUN 28	
SLD EP	07 42 10.5
IS	42 30.0
JUN 28	
H-07 45 49.6	
35.9N 120.4W	
h ABOUT 16KM	
SLD IP	07 46 14.0
IS	46 32.0
JUN 28	
SLD IP	08 15 16.0
IS	15 35.5

Date and Station	Phase (GCT)
	h m s
JUN 28	
COL EP	08 42 52.0
JUN 28	
SLD EP	08 55 14.0
IS	55 31.7
JUN 28	
SLD I(P)	09 00 16.5
IS	00 38.0
JUN 28	
BMO EP	09 22 08.7
BOZ EP	09 23 23.4
JUN 28	
SLD I(P)	09 31 55.0
IS	32 15.0
JUN 28	
SLD IP	09 56 29.2
IS	56 47.5
JUN 28	
SLD IP	10 23 48.5
IS	24 06.5
JUN 28	
H-11 39 03.9	
10.3S 161.3E	
h ABOUT 48KM	
COL IP	11 51 29.0
BRW IP C	11 51 40.0
SLD IP C	11 51 43.5
CED EP	11 51 57.5
BMO EP	11 52 05.4
EPP	52 18.6
BCN IP C	11 52 05.4
NEW IP	11 52 09.1
HHM EP	11 52 16.4
TUC IP C	11 52 18.0
SLC EP	11 52 20.5
BOZ IP	11 52 25.0
ALQ IP	11 52 35.0
SJG EP'	11 58 15.1
JUN 28	
H-12 19 24.9	
07.5S 128.1E	
h ABOUT 162KM	
ALQ EP'	12 38 04.9
JUN 28	
SLD IP	12 32 16.5
IS	32 35.0

Date and Station	Phase (GCT)
	h m s
JUN 28	
H-13 48 17.3	
35.7N 120.3W	
h ABOUT 2KM	
SLD IP	13 48 46.5
IS	49 08.5
CED EP	13 49 07.1
JUN 28	
BRW IP C	14 12 00.0
JUN 28	
SLD I(P)	14 13 36.0
IS	13 54.0
JUN 28	
BOZ EP	15 00 42.0
JUN 28	
H-15 35 01.6	
52.0N 178.4W	
h ABOUT 76KM	
COL EP	15 39 33.0
BMO E(P)	15 42 31.0
EUR IP	15 43 03.2
JUN 28	
H-15 43 40.8	
29.6N 080.9E	
h ABOUT 48KM	
BRW EP	15 54 58.8
JUN 28	
H-16 47 49.3	
27.0N 126.0E	
h ABOUT 100KM	
BRW IP D	16 57 52.0
COL EP	16 58 16.0
NEW IP	17 00 21.2
HHM EP	17 00 29.1
BMO EP	17 00 30.0
E	00 38.9
BOZ EP	17 00 43.2
EUR EP	17 00 49.2
JUN 28	
EUR EP	17 16 40.3
JUN 28	
SLD E(P)	17 56 18.6
ES	56 35.0
JUN 28	
ALQ IP	18 10 03.8
I	10 11.0
JUN 28	
SLD E(P)	18 12 44.6
IS	13 03.5

Date and Station	Phase (GCT)
	h m s
JUN 28	
SLD E(P)	18 55 21.0
IS	55 39.6
JUN 28	
SLD IP	20 00 03.5
IS	00 23.6
JUN 28	
BCN EP	20 03 03.9
JUN 28	
H-20 46 56.9	
35.8N 120.4W	
h ABOUT 16KM	
SLD IP	20 47 22.2
IS	47 44.7
CED E(P)	20 47 44.3
JUN 28	
EUR IP	20 48 31.5
I	49 34.9
JUN 28	
SLD IP	22 35 28.4
IS	35 44.8
JUN 28	
H-22 57 01.5	
24.7N 121.6E	
h ABOUT 20KM	
COL EP	23 08 03.0
NEW IP	23 10 03.0
HHM EP	23 10 09.9
BMO EP	23 10 12.0
JUN 28	
BOZ EP	23 13 25.0
JUN 28	
COL EP	23 25 52.0
BMO EP	23 28 56.2
BOZ EP	23 29 16.0
EUR IP	23 29 21.1
BCN EP	23 29 48.5
TUC E(P)	23 30 26.0
JUN 28	
H-23 57 23.1	
35.8N 120.4W	
h ABOUT 18KM	
SLD IP C	23 57 48.5
IS	58 08.6
CED E(P)	23 58 08.5
JUN 29	
H-00 36 15.6	
02.2S 077.8W	
h ABOUT 154KM	
ALQ IP	00 44 23.6

Date and Station	Phase	(GCT) h m s
JUN 29		
H-00 49 36.9		
41.4N 020.6E		
h ABOUT 34KM		
BOZ	EP	01 02 09.0
BMO	E(P)	01 02 16.1
JUN 29		
BOZ	EP	01 01 46.0
JUN 29		
CED	IP	02 00 58.3
	ES	01 17.0
JUN 29		
BOZ	EP	02 03 08.0
JUN 29		
H-02 19 39.2		
35.9N 120.5W		
h ABOUT 16KM		
SLD	IP D	02 20 03.3
	IS	20 19.5
CED	EP C	02 20 30.5
EUR	EP D	02 20 57.5
	I	21 12.0
	IL	22 12.9
TUC	E(P)	02 21 48.5
JUN 29		
H-02 40 00.8		
22.2S 179.7W		
h ABOUT 600KM		
TUC	E(P)	02 51 36.2
BMO	EP	02 51 47.1
ALQ	EP	02 51 56.9
JUN 29		
BMO	E(P)	04 04 33.5
JUN 29		
COL	EP	04 07 40.0
JUN 29		
SLD	IP	04 07 03.5
	IS	07 22.5
JUN 29		
COL	EP	04 55 13.0
EUR	EP	04 58 39.5
JUN 29		
COL	EP	05 51 46.0
JUN 29		
H-06 57 58.0		
49.9N 078.0E		
h ABOUT 0KM		
BRW	IP C	07 07 18.3
	IPCP	08 25.5
COL	IP	07 08 08.8
NEW	IP	07 10 17.5
HHM	EP	07 10 18.8
BMO	EP	07 10 34.3
BOZ	IP	07 10 34.8
FGU	IP	07 10 59.4
EUR	IP	07 11 02.6
SLD	IP	07 11 10.5
BCN	IP	07 11 18.9
ALQ	IP	07 11 27.2
JUN 29		
ALQ	I(P)	07 00 06.0
JUN 29		
H-07 24 00.6		
40.3N 123.8W		
h ABOUT 33KM		
EUR	IP	07 25 29.8
JUN 29		
SLD	I(P)	07 29 27.6
	IS	29 43.0
EUR	E(P)	07 30 20.9
	E	31 42.4
JUN 29		
H-07 38 13.1		
19.4S 174.2W		
h ABOUT 42KM		
TUC	E(P)	07 50 12.5
BCN	E(P)	07 50 13.0
EUR	IP	07 50 19.0
BMO	EP	07 50 31.5
	E	50 47.2
ALQ	I(P)	07 50 39.0
FGU	EP	07 50 46.0
	E	50 59.0
BOZ	EP	07 50 50.5
COL	EP	07 50 52.0
JUN 29		
SLD	IP C	07 54 28.7
	IS	54 29.7
JUN 29		
H-08 55 51.9		
35.8N 120.5W		
h ABOUT 12KM		
SLD	IP	08 56 17.2
	IS	56 36.7
CED	EP	08 56 43.7
BCN	E(P)	08 57 15.5
	EL	58 19.7
EUR	E(P)	08 57 18.0
	E	57 26.9
	IL	58 33.4
JUN 29		
SLD	IP	09 21 18.6
	IS	21 36.7
EUR	E(P)	09 22 35.3
JUN 29		
SLD	I(P)	10 14 11.9
	IS	14 26.9
JUN 29		
SJG	EP	10 32 48.7
	IL	33 34.0
JUN 29		
SLD	IP	10 57 25.1
	IS	57 43.7
CED	E(P)	10 57 47.5
EUR	EP	10 58 31.6
JUN 29		
SLD	IP C	11 00 58.3
	IS	00 59.1
JUN 29		
COL	EP	12 32 21.0
BMO	E(P)	12 33 52.8
BOZ	EP	12 34 08.4
EUR	EP	12 34 14.8
JUN 29		
H-13 11 58.5		
35.7N 120.4W		
h ABOUT 16KM		
SLD	IP	13 12 25.7
	IS	12 45.1
CED	EP D	13 12 47.5
BCN	E(P)	13 13 10.0
	I	13 24.9
	IL	14 17.0
EUR	E(P)	13 13 17.4
	E	13 31.8
	IL	14 26.0
JUN 29		
SLD	E(P)	13 19 42.8
	IS	19 44.5
JUN 29		
GUA	IP	17 33 23.0
	ES	34 07.0
JUN 29		
BMO	E(P)	17 45 21.0
JUN 29		
EUR	E(P)	18 51 42.8
JUN 29		
CED	IP	18 59 55.5
JUN 29		
H-19 53 23.0		
35.8N 120.5W		
h ABOUT 1KM		
SLD	IP D	19 53 48.5
CED	IP C	19 54 16.7
UKI	E(P)	19 54 24.5
BCN	EP	19 54 34.0
	I	54 48.8
	IL	55 59.0
EUR	IP C	19 54 43.1
GCA	EP	19 55 15.0
	EL	57 21.5
TUC	E(P)	19 55 29.0
SLC	EP	19 55 31.2
BMO	EPN	19 55 43.7
FGU	EP	19 55 56.5
	EL	58 45.5
ALQ	IP	19 56 14.8
BOZ	EP	19 56 20.5
BUT	E(P)	19 56 24.8
NEW	EP	19 56 30.0
	EL	20 00 13.0
HHM	EP	19 56 41.1
	E	56 48.3
	EL	20 00 35.8
COL	EP	20 00 08.0
JUN 29		
NEW	IP	20 26 49.4
JUN 29		
FGU	IP C	21 26 17.2
	IS	26 22.2
JUN 29		
H-21 46 55.7		
13.8S 166.7E		
h ABOUT 47KM		
GUA	E(P)	21 53 33.0
	ES	59 09.0
COL	IP C	21 59 29.8
EUR	IP	21 59 48.0
BCN	E(P)	21 59 49.7
	EPP	22 00 05.5
BRW	E(P)	21 59 53.9
BOZ	E(P)	22 00 18.0
HHM	E(P)	22 00 20.3
ALQ	I(P)	22 00 22.5

Date and Station	Phase (GCT)
	h m s
SJG EP'	22 06 24.5
JUN 29	
SLD IP C	21 58 05.6
IS	58 13.3
JUN 29	
NEW EP	22 00 18.0
JUN 29	
H-22 51 23.5	
24.2N 122.5E	
h ABOUT 40KM	
COL EP	23 02 21.0
NEW IP	23 04 21.5
HHM EP	23 04 29.3
E	04 40.5
BMO EP	23 04 30.6
E	04 50.5
BOZ EP	23 04 43.0
EUR EP	23 04 51.0
JUN 29	
GCA EP	23 33 50.5
IS	34 14.0
ALQ I(P)	23 34 24.8
JUN 30	
H-01 17 34.9	
35.8N 120.4W	
h ABOUT 15KM	
SLD IP D	01 18 00.2
IS	18 21.2
CED EP	01 18 24.4
BCN E(P)	01 18 46.2
E	19 14.0
IL	20 14.5
EUR EP	01 18 54.0
TUC E(P)	01 19 43.1
BMO E(P)	01 20 01.8
ALQ E(P)	01 20 24.8
BOZ EP	01 20 29.9
E	20 33.0
JUN 30	
CED E(P)	02 58 57.9
ES	59 19.7
JUN 30	
H-03 55 55.8	
20.0S, 178.6W	
h ABOUT 610KM	
BMO EP	04 07 30.4
JUN 30	
COL EP	04 02 11.0
JUN 30	
ALQ E(P)	05 17 30.3
COL EP	05 17 35.0
JUN 30	
COL EP	05 21 05.0
JUN 30	
COL EP	05 40 16.0
JUN 30	
H-06 06 45.0	
21.2S 176.2W	
h ABOUT 196KM	
EUR EP	06 18 46.9
BMO EP	06 18 58.5
COL EP	06 19 14.0
BOZ IP	06 19 17.5
JUN 30	
BMO EP	07 02 13.6
EUR EP	07 02 28.8
JUN 30	
H-07 49 42.4	
5.7S 146.8E	
h ABOUT 61KM	
BMO EP	08 03 15.0
EUR IP	08 03 19.2
JUN 30	
SLD I(P)	08 02 03.5
IS	02 22.5
JUN 30	
H-08 48 10.4	
17.7N 094.5W	
h ABOUT 110KM	
ALQ E(P)	08 52 38.1
JUN 30	
H-08 59 50.5	
43.5N 132.3E	
h ABOUT 485KM	
BRW IP C	09 07 11.0
IPCP	08 42.5
IPP	09 04.0
COL IP C	09 07 43.2
IpP	09 16.4
ES	14 03.2
NEW IP	09 10 15.0
HHM EP	09 10 24.0
BMO EP	09 10 28.6
EpP	12 14.0
BOZ IP C	09 10 42.0
IpP	12 27.5
EsP	13 17.0
EUR IP	09 10 54.3
EpP	12 39.9
FGU IP	09 11 08.0
IpP	12 53.8
EsP	13 43.0
ALQ E(P)	09 11 37.7
JUN 30	
H-09 25 40.8	
43.6N 147.2E	
h ABOUT 33KM	
COL EP	09 33 24.0
EUR EP	09 36 41.2
JUN 30	
H-09 52 12.5	
35.8N 141.2E	
h ABOUT 69KM	
BMO E(P)	10 03 46.7
BOZ EP	10 03 53.0
EUR E(P)	10 03 58.0
JUN 30	
EUR EP	09 58 27.8
JUN 30	
H-10 39 00.8	
11.9N 085.9W	
h ABOUT 187KM	
BHP E(P)	10 40 39.5
SJG IP D	10 43 22.5
I	43 25.2
EUR EP	10 46 05.4
BOZ IP	10 46 20.5
BMO EP	10 46 37.5
EpP	47 17.6
COL EP	10 49 37.0
JUN 30	
H-10 49 52.4	
6.8S 076.8W	
h ABOUT 21KM	
SJG EP	10 55 32.8
EpP	55 43.0
EsP	55 47.5
ALQ EP	10 58 48.3
FGU EP	10 59 33.5
EUR IP	10 59 50.1
BOZ EP	11 00 05.0
E	00 14.5
COL EP	11 02 42.4
JUN 30	
EUR E(P)	11 09 17.7
EL	10 41.2
JUN 30	
COL E(P)	12 09 24.0
JUN 30	
NEW EP	12 26 25.0
JUN 30	
H-12 27 41.8	
9.6N 126.5E	
h ABOUT 40KM	
GUA EP	12 31 54.0
ES	35 33.0
BRW IP C	12 39 31.1
COL EP	12 39 46.0
BMO E(P)	12 41 30.6
BOZ E(P)	12 41 46.0
EP'	45 31.0
EUR E(P)	12 41 49.5
EPP	46 04.5
ALQ EP'	12 46 19.8
BHP EP'	12 47 26.0
SJG EP'	12 47 29.0
JUN 30	
COL EP	12 50 28.0
JUN 30	
COL EP	12 57 38.0
EUR E(P)	12 57 50.4
JUN 30	
COL IP	13 06 36.7
BOZ EP	13 06 44.3
JUN 30	
EUR E(P)	13 27 44.0
JUN 30	
BMO E(P)	14 09 06.1
COL EP	14 09 08.0
JUN 30	
EUR IP	14 28 17.2
JUN 30	
H-15 45 27.0	
24.3N 122.1E	
h ABOUT 55KM	
GUA EP	15 50 39.0
ES	55 05.0
BRW IP D	15 55 58.6
COL EP	15 56 23.0
SIT E(P)	15 57 13.2
NEW EP	15 58 24.0
HHM IP	15 58 33.1

Date and Station	Phase	Phase (GCT) h m s
BMO	EP	15 58 33.6
	E	59 09.7
BOZ	IP	15 58 46.5
	I	58 53.4
EUR	EP C	15 58 52.3
	E	59 23.0
	EPP	16 02 41.5
FGU	EP	15 59 07.0
JUN 30		
SLD	IP C	16 00 40.6
	IS	00 41.8
JUN 30		
H-16 57 23.4		
15.5S 177.3W		
h ABOUT 33KM		
EUR	IP	17 09 26.2
BMO	E(P)	17 09 35.9
COL	EP	17 09 46.0
ALQ	E(P)	17 09 50.6
BOZ	EP	17 09 57.0
JUN 30		
H-17 07 09.7		
51.9N 179.7W		
h ABOUT 36KM		
ADK	EP	17 07 40.3
COL	EP	17 11 52.0
EUR	EP C	17 15 22.0
	I	15 28.1
BCN	E(P)	17 15 51.3
ALQ	E(P)	17 16 27.7
JUN 30		
HHM	E(P)	17 23 41.4
	EL	24 15.7
JUN 30		
EUR	EP	17 28 43.8
JUN 30		
COL	E(P)	17 40 06.1
JUN 30		
EUR	IP	17 43 29.5
JUN 30		
EUR	EP	18 02 40.9
JUN 30		
SLD	IP C	18 13 17.0
	IS	13 34.5
JUN 30		
EUR	EP	18 14 34.2
JUN 30		
COL	EP	18 21 22.0
JUN 30		
HHM	E(P)	18 23 20.2
	EL	23 55.7
EUR	IP	18 24 47.8
JUN 30		
H-19 21 26.9		
41.1N 020.5E		
h ABOUT 9KM		
BMO	E(P)	19 34 12.8
JUN 30		
BMO	EP	19 30 25.9
JUN 30		
ALQ	I(P)	20 03 16.1
JUN 30		
EUR	EP	20 10 19.3
JUN 30		
CED	IP C	20 25 23.7
	IS	25 46.0
JUN 30		
BMO	EP	20 44 04.3
EUR	E(P)	20 44 26.2
JUN 30		
BMO	E(P)	21 14 43.1
JUN 30		
GCA	IP C	21 16 00.6
JUN 30		
COL	E(P)	21 43 49.4
BMO	E(P)	21 46 49.1
EUR	EP	21 47 14.7
	I	47 20.9
JUN 30		
NEW	IP	21 54 18.8
	IS	54 40.0
JUN 30		
SLD	IP C	22 01 01.8
JUN 30		
BHP	EP	22 12 06.0
JUN 30		
H-22 15 00.0		
37.3N 116.3W		
h ABOUT 0KM		
BCN	IP	22 15 32.9
EUR	IP	22 15 37.5
CED	IP C	22 15 52.8
SLC	IP	22 16 17.0
	IL	17 34.3
UKI	E(P)	22 16 29.8
FGU	IP C	22 16 41.0
TUC	IP C	22 16 41.1
BMO	EP	22 16 54.5
ALQ	IP	22 17 02.1
BOZ	IP C	22 17 15.5
BUT	EP	22 17 15.5
	EL	19 51.5
NEW	IP	22 17 41.2
HHM	IP	22 17 44.1
	EL	20 49.7
SIT	IP	22 20 13.0
CSC	EP	22 21 00.2
	EL	28 14.0
WSC	IP C	22 21 16.0
	E	23 29.0
	EL	31 19.0
COL	IP C	22 21 40.2
	I	21 59.5
	IPCP	24 20.8
	ILR	35 52.0
BRW	IP C	22 22 35.1
SJG	IP C	22 23 39.5
	IPCP	25 07.8
JUN 30		
BMO	E(P)	22 45 05.2
JUN 30		
BMO	EP	22 54 23.0
ALQ	E(P)	22 54 46.2