USCGS
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SEISMOLOGICAL BULLETIN

June, 1964

MSI - 282

COAST & GEODETIC SURVEY

SEP 29 1965

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COAST AND GEODETIC SURVEY—WASHINGTON

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March 4, 2011

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

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

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

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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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

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

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

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

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

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
1	00 27 57*	53.7 N	166.7 W	80	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
1	03 46 42*	45.5 N	150.7 E	24	4.3	KURILE ISLANDS.
1	04 36 44*	40.5 N	137.9 E	32	4.2	EASTERN SEA OF JAPAN.
1	05 12 28*	18.1 S	70.6 W	136		NEAR COAST OF NORTHERN CHILE.
1	06 05 07.6	14.6 S	167.4 E	176	5.2	NEW HEBRIDES ISLANDS.
1	08 49 37.1	4.6 N	125.9 E	113	5.3	TALAUD ISLANDS.
1	09 20 58*	1.0 S	78.1 W	33	4.0	ECUADOR.
1	10 12 57.0	19.0 S	169.5 E	248	4.5	NEW HEBRIDES ISLANDS.
1	11 22 02.1	43.6 N	146.9 E	33	4.5	KURILE ISLANDS.
1	13 17 20.7	21.0 S	175.7 W	35	5.2	TONGA ISLANDS.
1	13 24 07.1	52.9 N	35.0 W	33	4.4	NORTH ATLANTIC OCEAN.
1	18 31 13.7	43.6 N	147.0 E	33	4.7	KURILE ISLANDS.
1	21 25 41.9	28.2 S	65.9 W	41	4.4	SANTIAGO DEL ESTERO PROV., ARG.
2	08 06 42*	37.7 S	73.3 W	33		NEAR COAST OF CENTRAL CHILE.
2	16 09 23.5	59.7 N	144.4 W	15	5.1	GULF OF ALASKA. MAG. 4 3/4 (BRK). FELT AT YAKATAGA.
2	16 29 41.5	59.7 N	144.2 W	10	4.8	GULF OF ALASKA.
2	17 06 41.9	43.9 N	148.8 E	45	4.5	KURILE ISLANDS REGION.
2	20 44 45.0	43.7 N	146.7 E	39	4.5	KURILE ISLANDS.
2	23 12 37.8	14.7 S	167.0 E	82	4.7	NEW HEBRIDES ISLANDS.
3	00 44 03*	55.4 S	24.8 W	33	5.5	SOUTH SANDWICH ISLANDS REGION.
3	02 27 24.2	31.3 N	94.0 W	30		LOUISIANA-TEXAS BORDER REGION. FELT IN SOUTHEASTERN TEXAS.
3	02 27 45.5	15.5 S	167.9 E	126	4.2	NEW HEBRIDES ISLANDS.
3	02 49 14.9	25.9 N	95.8 E	100	5.5	BURMA-INDIA BORDER REGION.
3	07 28 29.6	28.4 N	142.7 E	33	4.6	BONIN ISLANDS REGION.
3	07 49 30.8	5.2 S	78.6 W	33	4.2	NORTHERN PERU.
3	09 17 07*	15.6 N	94.5 W	59	3.8	NEAR COAST OF OAXACA, MEXICO.
3	10 27 03*	22.8 S	66.5 W	101	4.1	JUJUY PROVINCE, ARGENTINA.
3	11 25 46*	61.1 N	151.2 W	33	3.8	SOUTHERN ALASKA.
3	11 41 54.6	19.5 N	108.3 W	33	4.1	REVILLA GIGEDO ISLANDS REGION.
3	12 29 20.8	10.5 N	70.9 W	33	4.1	VENEZUELA.
3	13 50 16*	40.3 N	126.1 W	33	5.4	OFF COAST OF NORTHERN CALIFORNIA. MAG. 4 1/4-4 1/2 (BRK).
3	14 03 42.4	59.9 N	143.9 W	20	5.1	GULF OF ALASKA.
3	17 54 14.7	18.8 S	173.7 W	33	4.8	TONGA ISLANDS.
4	00 15 40*	33.5 S	177.8 W	31	4.3	SOUTH OF KERMADEC ISLANDS.
4	01 42 19.9	24.5 N	122.1 E	33	5.0	TAIWAN REGION.
4	02 57 07.6	36.4 N	69.3 E	33	4.9	HINDU KUSH REGION.
4	03 27 05*	59.7 N	147.3 W	45		GULF OF ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
4	04 28 54.7	17.5 N	100.8 W	22	4.7	GUERRERO, MEXICO. FELT IN MEXICO CITY, GUADALAJARA, VERA CRUZ AND LA PAZ.
4	10 03 37.6	31.4 N	116.3 W	30		BAJA CALIFORNIA.
4	10 18 15.3	7.8 S	117.6 E	47	5.2	BALI SEA.
4	11 17 11.8	6.1 S	149.9 E	54		NEW BRITAIN REGION. FELT.
4	11 46 01.7	9.6 S	76.1 W	124	5.3	PERU. FELT.
4	11 53 50*	14.7 S	176.0 W	303	3.9	FIJI ISLANDS REGION.
4	12 56 02.6	4.9 S	134.2 E	33		WEST NEW GUINEA REGION.
4	21 25 06*	32.1 N	118.9 W	30		OFF COAST OF CALIFORNIA.
5	00 11 51.9	39.3 N	43.1 E	33	4.6	TURKEY.
5	01 03 26*	25.6 S	176.5 W	33	4.4	SOUTH OF FIJI ISLANDS.
5	02 36 12.4	42.5 N	84.8 E	52	4.9	NORTHERN SINKIANG PROV., CHINA.
5	03 59 27*	25.1 N	142.6 E	33	4.7	VOLCANO ISLANDS REGION.
5	04 08 30.6	56.2 S	27.5 W	33	5.3	SOUTH SANDWICH ISLANDS REGION.
5	04 44 48.6	47.8 N	27.3 W	33	4.7	NORTH ATLANTIC RIDGE.
5	04 52 04*	43.2 N	111.3 W	33	3.7	EASTERN IDAHO.
5	08 37 54*	46.2 N	151.9 E	33	4.6	KURILE ISLANDS.
5	09 13 20.0	16.2 S	177.3 E	25	5.2	FIJI ISLANDS.
5	09 50 35.0	60.4 N	146.0 W	15	5.2	SOUTHERN ALASKA.
5	10 53 22*	48.3 N	153.5 E	33	4.9	KURILE ISLANDS.
5	11 18 18.1	4.7 N	75.8 W	62	4.3	COLOMBIA.
5	11 50 25*	63.1 N	151.1 W	94	4.2	CENTRAL ALASKA.
5	13 01 28.2	43.0 N	45.4 E	33	4.6	EASTERN CAUCASUS.
5	16 08 03*	6.5 S	125.8 E	33	4.4	BANDA SEA.
5	22 06 53.0	58.1 N	152.1 W	15	5.0	KODIAK ISLAND REGION.
6	02 14 18*	16.8 S	167.4 E	41	4.4	NEW HEBRIDES ISLANDS. FELT AT NORSUP, PORT VILA, AND SANTO.
6	02 33 16.1	8.9 S	108.7 W	33	4.4	NORTHERN EASTER I. CORDILLERA.
6	03 44 27.8	8.3 S	79.3 W	47	4.3	NEAR COAST OF NORTHERN PERU.
6	06 44 31.8			0		39° 36'N. 110° 22'W. COAL MINE ROCKBURST IN EASTERN UTAH.
6	08 05 56.4	37.1 N	72.1 E	166	5.0	TADZHIK SSR.
6	11 47 39*	34.5 N	121.5 W	33	5.0	OFF COAST OF CALIFORNIA. MAG. 3 3/4-4 (BRK).
6	12 47 00*	39.5 N	110.3 W	0		UTAH. PROBABLE ROCKBURST.
6	17 15 54.0	31.4 N	116.2 W	30		BAJA CALIFORNIA. MAG. 5.0. FELT IN SAN DIEGO.
6	19 07 51.4	26.6 S	114.4 W	33	5.8	EASTER ISLAND REGION.
6	22 01 45.2	56.0 S	27.4 W	33	5.3	SOUTH SANDWICH ISLANDS REGION.
7	05 29 35*	5.5 S	152.4 E	58	4.9	NEW BRITAIN REGION.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
7	08 22 55.9	3.0 S	130.3 E	33	4.8	CERAM.
7	13 07 53.2	18.4 S	173.7 W	33	4.5	TONGA ISLANDS.
7	14 49 31.2	36.3 N	141.0 E	36	5.0	NEAR EAST COAST OF HONSHU, JAPAN. FELT IN TOKYO AND NORTHEASTERN HONSHU.
7	20 10 15.9	30.4 S	67.6 W	29	5.2	SAN JUAN PROVINCE, ARGENTINA.
7	20 30 55.5	45.3 N	150.9 E	33	5.0	KURILE ISLANDS.
8	02 26 42.3	22.1 S	179.5 W	554	4.7	SOUTH OF FIJI ISLANDS.
8	04 22 30.1	51.6 N	175.9 W	27	4.9	ANDREANOF ISLANDS, ALEUTIAN IS.
8	05 44 31.0	57.4 N	149.2 W	33	4.6	GULF OF ALASKA.
8	10 47 59.9	9.1 N	72.6 W	200	4.5	VENEZUELA.
8	15 48 00.0	4.9 S	151.3 E	221	5.1	NEW BRITAIN REGION.
8	17 56 18.5	6.1 S	153.6 E	59	4.5	NEW BRITAIN REGION.
8	22 53 21.7	17.7 N	145.7 E	163	5.4	MARIANA ISLANDS.
9	02 33 39.4	38.2 N	2.5 W	33	4.8	SPAIN. SLIGHT DAMAGE AT HUESCAR.
9	04 22 59.8	35.4 S	105.9 W	33	4.8	EASTER ISLAND CORDILLERA.
9	09 24 18*	59.6 N	145.1 W	33	4.8	GULF OF ALASKA.
9	15 02 21.6	19.2 S	177.6 W	556	4.6	FIJI ISLANDS REGION.
9	16 08 00*	19.4 S	168.9 E	47	4.6	NEW HEBRIDES ISLANDS.
9	17 12 18.0	51.4 N	178.5 E	33	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
9	18 16 13.7	0.2 S	78.9 W	48	4.6	ECUADOR. SLIGHT DAMAGE AT SANTO DOMINGO DE LOS COLORADOS.
10	07 35 57*	61.3 N	148.8 W	33	3.9	SOUTHERN ALASKA.
10	09 33 31*	22.5 S	64.7 W	480		SALTA PROVINCE, ARGENTINA.
10	16 25 09*	12.0 N	87.9 W	55	4.2	NEAR COAST OF NICARAGUA.
10	17 55 42.9	31.8 N	93.1 E	71	5.0	TIBET.
10	18 26 54.5	9.4 S	117.6 E	33	5.0	SUMBAWA ISLAND REGION.
10	19 13 52.0	18.0 S	167.9 E	47	5.3	NEW HEBRIDES ISLANDS. FELT AT PORT VILA.
10	19 48 30.5	6.1 S	104.9 E	84	5.4	SUNDA STRAIT.
10	22 16 44.8	5.0 N	127.4 E	146	5.5	PHILIPPINE ISLANDS REGION. FELT.
10	23 25 09.1	59.1 N	153.8 W	33	5.1	SOUTHERN ALASKA.
11	01 05 20.2	19.5 S	175.4 W	272	4.5	TONGA ISLANDS.
11	03 11 56.6	65.5 N	168.1 W	33	4.9	BERING STRAIT.
11	07 25 49*	51.5 N	178.6 E	33	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
11	10 26 16.8	2.2 S	141.2 E	67		NEAR NORTH COAST OF NEW GUINEA.
11	10 55 06.2	56.0 S	27.3 W	33	5.8	SOUTH SANDWICH ISLANDS REGION.
11	13 19 44.0	1.9 S	141.0 E	40	5.3	NEW GUINEA REGION.
11	15 20 48*	2.0 S	141.2 E	33	5.7	NEAR NORTH COAST OF NEW GUINEA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
11	16 45 00.154					37° 08' 55"N. 116° 04' 34"W. NEVADA TEST SITE. "ACE." SHOT ELEVATION 1063.8 METERS (AEC).
11	17 01 48.5	2.0 S	140.8 E	18		NEAR N. COAST OF WEST NEW GUINEA.
11	17 27 13.4	58.1 N	152.9 W	30	5.0	KODIAK ISLAND REGION.
11	17 51 51.5	9.2 S	89.5 E	33		SOUTH INDIAN OCEAN.
11	18 32 17.9	33.1 N	137.6 E	330	4.8	NEAR S. COAST OF HONSHU, JAPAN.
11	19 42 12.8	2.1 S	141.2 E	33		NEAR NORTH COAST OF NEW GUINEA.
11	21 28 08.2	55.9 S	27.7 W	135	6.1	SOUTH SANDWICH ISLANDS REGION.
11	22 18 19.8	40.3 N	126.5 W	33	5.4	OFF COAST OF NORTHERN CALIFORNIA.
12	00 23 05*	60.1 N	142.9 W	33	4.2	SOUTHERN ALASKA.
12	03 33 36*	44.1 N	114.7 W	15		WESTERN IDAHO.
12	06 43 51.5	35.0 S	111.8 W	33	4.7	EASTER ISLAND CORDILLERA.
12	07 46 23.6	37.5 N	30.4 E	33		TURKEY.
12	09 57 22.5	7.4 N	73.3 W	93	4.2	NORTHERN COLOMBIA.
12	10 50 09.1	2.1 S	141.1 E	33	5.5	NEAR NORTH COAST OF NEW GUINEA.
12	15 56 21.3	11.4 N	124.9 E	183	5.5	LEYTE, PHILIPPINE ISLANDS.
12	16 44 35.4	2.2 N	83.0 W	52	4.7	OFF COAST OF CENTRAL AMERICA.
12	18 12 20.5	26.5 S	178.3 E	648	5.3	SOUTH OF FIJI ISLANDS.
12	18 53 34*	45.5 N	149.9 E	45	4.6	KURILE ISLANDS.
12	22 47 47.2	6.6 S	154.7 E	80	5.1	SOLOMON ISLANDS.
13	01 13 32*	58.8 N	149.9 W	33	4.4	GULF OF ALASKA.
13	02 46 27*	56.5 N	153.2 W	33	4.0	KODIAK ISLAND REGION.
13	04 20 53.5	53.6 N	172.1 E	33	5.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
13	05 04 23.5	1.9 S	141.2 E	33	5.9	NEW GUINEA REGION.
13	08 23 45.6	10.0 N	93.0 E	33	6.1	ANDAMAN ISLANDS REGION.
13	08 27 32.0	46.2 N	153.3 E	29	4.5	KURILE ISLANDS.
13	08 28 38.7	46.4 N	153.3 E	33	5.4	KURILE ISLANDS.
13	11 14 26.5	27.3 S	178.0 W	34	4.8	KERMADEC ISLANDS.
13	14 01 40.2	3.9 S	154.3 E	474	5.5	NORTH OF SOLOMON ISLANDS.
13	17 35 57.8	23.0 N	94.0 E	61	5.8	BURMA-INDIA BORDER REGION.
13	18 43 04*	6.8 N	73.0 W	155	4.3	NORTHERN COLOMBIA.
13	20 42 17.7	46.4 N	153.3 E	51	4.4	KURILE ISLANDS.
13	22 31 53.5	27.6 S	178.3 W	94	5.2	KERMADEC ISLANDS.
13	23 23 04.0	59.2 N	136.8 W	33	4.2	SOUTHEASTERN ALASKA.
13	23 46 44.5	19.3 S	176.5 W	285	4.4	FIJI ISLANDS REGION.
14	00 56 56.8	48.2 N	154.3 E	40	4.9	KURILE ISLANDS.
14	01 19 57.7	27.5 S	177.5 W	33	4.5	KERMADEC ISLANDS.
14	01 46 52.4	48.8 N	128.4 W	33		VANCOUVER ISLAND REGION.

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JUN	H M S	DEG	DEG	KM		
14	05 42 09*	12.0 N	89.2 W	33	4.1	OFF COAST OF CENTRAL AMERICA.
14	12 15 31.3	38.0 N	38.5 E	8		TURKEY. ONE KILLED AND 15 INJURED. EXTENSIVE PROPERTY DAMAGE AT MALATYA AND ADIYAMAN. FISSURE ABOUT 800 METERS AT MALATYA.
14	12 38 03.7	38.1 N	38.3 E	31	4.7	TURKEY.
14	17 20 17.5	56.7 N	152.1 W	33		KODIAK ISLAND REGION.
14	19 27 59.4	6.8 S	129.8 E	81	4.7	BANDA SEA.
14	23 56 29.9	56.1 S	25.0 W	33	5.3	SOUTH SANDWICH ISLANDS REGION.
15	00 05 31.1	5.4 N	97.0 E	33	5.5	NORTHERN SUMATRA.
15	02 05 37.1	17.4 S	174.9 W	148	4.5	TONGA ISLANDS.
15	09 28 04*	56.7 N	151.6 W	33	4.4	KODIAK ISLAND REGION.
15	09 41 24.2	12.6 N	88.3 W	56	4.1	OFF COAST OF CENTRAL AMERICA.
15	10 53 06.7	40.1 N	138.5 E	15	5.2	EASTERN SEA OF JAPAN.
15	11 13 47*	12.6 N	88.0 W	14	4.1	OFF COAST OF CENTRAL AMERICA. FELT IN EL SALVADOR.
15	11 27 24*	12.1 N	89.3 W	33	3.6	OFF COAST OF CENTRAL AMERICA.
15	12 01 32.8	37.4 N	114.7 W	30		SOUTHERN NEVADA.
15	16 13 32*	59.1 N	144.6 W	33	4.4	GULF OF ALASKA.
15	16 27 09.9	45.4 N	149.8 E	53	4.6	KURILE ISLANDS.
15	20 19 15*	58.8 N	150.3 W	33	5.1	GULF OF ALASKA.
15	22 53 04.5	62.1 N	64.9 W	33	4.1	BAFFIN ISLAND REGION.
16	04 01 44.3	38.3 N	139.1 E	57	6.1	NEAR WEST COAST OF HONSHU, JAPAN. MAG. 7 1/4-7 1/2 (PAS), 7 1/4 (PAL). 26 KILLED AND 447 INJURED. EXTENSIVE PROPERTY DAMAGE AT NIIGATA. 7 FT. TSUNAMI ALONG COASTAL AREAS.
16	04 17 38.0	38.9 N	139.1 E	13	5.5	NEAR WEST COAST OF HONSHU, JAPAN.
16	04 35 30.2	38.5 N	138.7 E	33	5.6	NEAR WEST COAST OF HONSHU, JAPAN.
16	04 40 45.2	38.3 N	138.7 E	33	4.8	NEAR WEST COAST OF HONSHU, JAPAN.
16	04 46 37.9	39.0 N	139.1 E	33	5.4	NEAR WEST COAST OF HONSHU, JAPAN.
16	04 50 33*	39.0 N	139.0 E	33	4.6	NEAR WEST COAST OF HONSHU, JAPAN.
16	04 53 08.8	38.5 N	138.7 E	20		NEAR WEST COAST OF HONSHU, JAPAN.
16	04 55 46.8	38.3 N	138.7 E	18	4.2	NEAR WEST COAST OF HONSHU, JAPAN.
16	04 58 46.0	38.7 N	138.9 E	33	4.9	NEAR WEST COAST OF HONSHU, JAPAN.
16	05 11 35.7	39.0 N	139.0 E	33	4.7	NEAR WEST COAST OF HONSHU, JAPAN.
16	05 22 09.3	38.7 N	139.1 E	15	4.8	NEAR WEST COAST OF HONSHU, JAPAN.
16	05 37 53*	38.8 N	138.9 E	33		NEAR WEST COAST OF HONSHU, JAPAN.
16	05 39 24.5	38.8 N	139.0 E	35	4.9	NEAR WEST COAST OF HONSHU, JAPAN.
16	05 46 37.8	38.5 N	138.9 E	33	4.7	NEAR WEST COAST OF HONSHU, JAPAN.
16	06 17 07.8	38.4 N	138.9 E	28	5.1	NEAR WEST COAST OF HONSHU, JAPAN.
16	06 33 30*	38.6 N	138.5 E	33	4.1	NEAR WEST COAST OF HONSHU, JAPAN.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
16	06 52 20.5	36.7 N	134.8 E	33	4.1	SEA OF JAPAN.
16	06 53 05.0	38.7 N	139.0 E	15	5.6	NEAR WEST COAST OF HONSHU, JAPAN.
16	07 09 00.7	38.3 N	139.0 E	33	4.9	NEAR WEST COAST OF HONSHU, JAPAN.
16	07 14 57.1	38.5 N	139.2 E	16	5.9	NEAR WEST COAST OF HONSHU, JAPAN.
16	07 17 21.5	38.8 N	139.1 E	20	5.1	NEAR WEST COAST OF HONSHU, JAPAN.
16	07 27 40.3	38.9 N	139.0 E	15	4.5	NEAR WEST COAST OF HONSHU, JAPAN.
16	07 51 10.4	38.4 N	138.9 E	15	4.9	NEAR WEST COAST OF HONSHU, JAPAN.
16	08 15 14.2	38.8 N	138.8 E	15	4.7	NEAR WEST COAST OF HONSHU, JAPAN.
16	08 22 22.5	31.4 N	132.2 E	33	4.2	SOUTHEAST OF SHIKOKU, JAPAN.
16	08 34 08.7	22.0 S	175.8 W	33	4.6	TONGA ISLANDS REGION.
16	09 00 41.6	20.0 S	170.2 E	33	4.5	NEW HEBRIDES ISLANDS.
16	09 10 22.1	38.4 N	139.1 E	33	4.7	NEAR WEST COAST OF HONSHU, JAPAN.
16	09 56 46.1	17.3 S	178.7 W	502	4.3	FIJI ISLANDS REGION.
16	10 23 39.7	61.2 N	146.8 W	40	4.5	SOUTHERN ALASKA.
16	11 11 17.4	38.8 N	138.7 E	33	4.3	NEAR WEST COAST OF HONSHU, JAPAN.
16	11 16 03.1	2.0 S	141.1 E	13	5.9	NEAR NORTH COAST OF NEW GUINEA.
16	11 43 05.6	38.6 N	138.8 E	15	4.8	NEAR WEST COAST OF HONSHU, JAPAN.
16	12 14 51*	38.4 N	138.3 E	33	4.3	NEAR WEST COAST OF HONSHU, JAPAN.
16	13 34 00*	38.9 N	138.5 E	33	4.1	NEAR WEST COAST OF HONSHU, JAPAN.
16	15 08 24*	38.7 N	138.4 E	33	4.5	NEAR WEST COAST OF HONSHU, JAPAN.
16	17 08 30.8	15.6 N	147.2 E	33	4.8	MARIANA ISLANDS REGION.
16	17 23 30.4	5.8 S	154.0 E	60	5.7	SOLOMON ISLANDS.
16	18 26 09*	38.4 N	138.9 E	9	4.7	NEAR WEST COAST OF HONSHU, JAPAN.
16	19 54 46.5	19.6 N	66.8 W	30	4.7	PUERTO RICO REGION. MAG. 4 (PAL).
16	22 03 14*	15.3 S	172.8 W	33	4.7	SAMOA ISLANDS REGION.
16	23 32 01*	15.5 N	92.4 W	33	3.6	MEXICO-GUATEMALA BORDER REGION.
17	06 04 48*	16.7 N	100.0 W	33	4.0	NEAR COAST OF GUERRERO, MEXICO.
17	07 12 08*	38.4 N	138.3 E	33	4.5	NEAR WEST COAST OF HONSHU, JAPAN.
17	07 48 58.5	19.6 S	169.0 E	58	4.5	NEW HEBRIDES ISLANDS.
17	09 11 42.0	12.0 N	87.2 W	33	4.1	NEAR COAST OF NICARAGUA.
17	10 59 27*	60.1 N	149.5 W	72	4.1	KENAI PENINSULA, ALASKA.
17	13 38 16*	45.7 N	26.5 E	145		RUMANIA.
17	15 10 44.3	38.7 N	139.0 E	27	5.0	NEAR WEST COAST OF HONSHU, JAPAN.
17	22 17 37.9	23.8 S	179.7 W	504	4.8	SOUTH OF FIJI ISLANDS.
18	02 54 35.8	7.2 N	76.3 W	41	3.9	NORTHERN COLOMBIA.
18	05 58 21.2	38.7 N	138.5 E	33	4.5	NEAR WEST COAST OF HONSHU, JAPAN.
18	08 24 27*	59.9 N	147.2 W	33	4.4	GULF OF ALASKA.
18	18 01 47.6	47.5 N	154.9 E	33	5.3	KURILE ISLANDS. MAG. 5 (PAL).

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
18	20 33 53.3	39.3 S	74.7 W	26	5.3	OFF COAST OF CENTRAL CHILE.
19	00 50 24.4	40.7 N	32.9 E	33	4.6	TURKEY.
19	01 34 10.9	56.8 N	151.5 W	33	4.5	KODIAK ISLAND REGION.
19	03 56 19*	2.5 N	58.9 W	65	4.5	BRITISH GUIANA.
19	04 13 47*	16.0 N	145.8 E	23	4.7	MARIANA ISLANDS.
19	10 05 36.4	38.8 N	139.3 E	30	5.6	NEAR WEST COAST OF HONSHU, JAPAN. FELT AT NIIGATA.
19	10 34 33.6	22.6 N	121.0 E	33	5.2	TAIWAN REGION.
19	12 08 53.6	39.0 N	139.1 E	15	4.5	NEAR WEST COAST OF HONSHU, JAPAN.
19	13 25 52*	22.2 N	143.3 E	121	4.6	VOLCANO ISLANDS REGION.
19	13 45 13*	14.1 N	91.4 W	85	3.9	GUATEMALA.
19	15 06 07.0	24.4 S	68.7 W	49	4.6	CHILE-ARGENTINA BORDER REGION.
19	17 31 56.2	12.4 N	88.1 W	53	4.0	OFF COAST OF CENTRAL AMERICA.
19	21 07 23.6	38.8 N	139.0 E	33	4.2	NEAR WEST COAST OF HONSHU, JAPAN.
20	02 39 04.0	57.7 N	151.9 W	34	4.5	KODIAK ISLAND REGION.
20	03 44 31*	8.7 S	148.2 E	119		EAST NEW GUINEA REGION.
20	03 49 17*	18.2 S	170.1 E	195		NEW HEBRIDES ISLANDS.
20	04 15 47.0	60.9 N	142.9 W	40	3.8	SOUTHERN ALASKA.
20	05 02 38*	9.2 N	84.4 W	45	4.3	COSTA RICA.
20	09 13 55*	47.1 N	8.3 E	10		SWITZERLAND. FELT AT RABIUS AND COMPADIALS.
20	09 59 08.9	19.9 S	174.1 W	33	4.7	TONGA ISLANDS.
20	11 12 38*	3.4 S	139.7 E	33	5.8	WEST NEW GUINEA.
20	11 34 26.3	38.5 N	139.1 E	32	4.4	NEAR WEST COAST OF HONSHU, JAPAN.
20	12 31 49.7	21.2 S	179.2 W	600	4.4	FIJI ISLANDS REGION.
20	16 06 44.3	3.3 S	142.4 E	33	5.5	NEAR NORTH COAST OF NEW GUINEA.
20	16 59 09.0	40.5 N	142.2 E	35	4.9	NEAR EAST COAST OF HONSHU, JAPAN.
20	17 12 15.2	18.5 N	105.5 W	28	5.5	OFF COAST OF JALISCO, MEXICO.
20	18 40 47*	5.3 N	32.6 W	33	4.5	CENTRAL MID-ATLANTIC RIDGE.
20	19 35 23*	18.8 N	105.4 W	33	4.5	OFF COAST OF JALISCO, MEXICO.
21	01 33 11.2	51.0 N	157.0 E	51	5.7	NEAR EAST COAST OF KAMCHATKA.
21	06 54 46.2	14.9 S	73.3 W	80	5.0	PERU.
21	07 42 55*	30.0 S	91.6 W	33	4.7	SOUTHEAST CENTRAL PACIFIC OCEAN.
21	10 07 24.5	3.7 N	82.8 W	24		SOUTH OF PANAMA.
21	11 27 46.9	18.3 N	105.3 W	33	4.1	OFF COAST OF JALISCO, MEXICO.
21	15 04 29*	16.4 S	168.1 E	53	5.1	NEW HEBRIDES ISLANDS.
21	15 32 53.5	32.7 N	116.9 W	15	5.1	CALIFORNIA-MEXICO BORDER REGION.
21	15 40 01.9	31.5 S	68.7 W	118	4.4	SAN JUAN PROVINCE, ARGENTINA.
21	19 14 10.3	12.2 N	143.8 E	33	4.7	SOUTH OF MARIANA ISLANDS.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
21	21 16 32.2	14.0 N	46.9 W	51	4.7	NORTH ATLANTIC RIDGE.
21	22 21 22.7	16.3 S	178.0 E	18	5.0	FIJI ISLANDS.
21	22 56 00*	20.8 S	175.6 E	33	4.7	SOUTH OF FIJI ISLANDS.
22	00 16 27.4	15.7 S	172.8 W	33	5.1	SAMOA ISLANDS REGION.
22	02 20 35.0	36.2 N	139.6 E	55	4.8	HONSHU, JAPAN. MAG. 5 1/4 (BRK), 5 1/4 (PAL). FELT.
22	03 03 37.9	10.4 S	161.1 E	70	5.4	SOLOMON ISLANDS.
22	07 30 59.5	18.0 S	167.6 E	33	4.7	NEW HEBRIDES ISLANDS.
22	07 42 02.5	24.3 S	176.8 W	75	5.7	SOUTH OF FIJI ISLANDS.
22	08 22 00.8	33.9 S	70.6 W	33	4.3	CHILE-ARGENTINA BORDER REGION.
22	08 32 02*	62.1 N	148.5 W	33	4.1	CENTRAL ALASKA.
22	12 11 09.4	60.0 N	146.7 W	33	4.0	SOUTHERN ALASKA.
22	13 40 02.8	25.1 S	177.4 W	121	5.1	SOUTH OF FIJI ISLANDS.
22	14 17 36.5	12.5 S	166.7 E	143	3.8	SANTA CRUZ ISLANDS.
22	17 16 57*	3.0 S	139.6 E	78		WEST NEW GUINEA.
22	17 50 44*	54.9 N	40.2 W	33	4.2	NORTH ATLANTIC OCEAN.
22	21 23 33.6	13.6 N	120.3 E	56	6.5	MINDORO, PHILIPPINE ISLANDS.
23	00 30 11.1	3.7 S	78.1 W	33	4.6	PERU-ECUADOR BORDER REGION.
23	01 26 37.0	43.3 N	146.1 E	77	6.2	KURILE ISLANDS. MAG. 7 (PAS), 6 3/4-7 (BRK), 6 3/4 (PAL).
23	02 04 41.8	2.7 S	80.0 W	58	5.2	NEAR COAST OF ECUADOR.
23	02 19 06.7	53.4 N	164.3 W	33	4.5	UNIMAK ISLAND REGION.
23	04 32 19*	13.9 N	94.7 E	33		ANDAMAN ISLANDS REGION.
23	04 54 34.8	32.4 N	117.2 W	15	5.6	CALIFORNIA-MEXICO BORDER REGION. FELT IN SAN DIEGO.
23	05 25 36.8	53.9 N	163.2 W	60	4.4	UNIMAK ISLAND REGION. MAG. 4 1/2-4 3/4 (BRK).
23	08 42 53*	60.5 N	144.9 W	33	3.9	SOUTHERN ALASKA.
23	09 18 56.2	18.4 S	173.6 W	33	4.5	TONGA ISLANDS.
23	13 53 51.4	2.6 S	77.7 W	33	3.9	PERU-ECUADOR BORDER REGION.
23	17 01 28.9	18.9 S	175.8 W	204	4.3	TONGA ISLANDS.
23	19 10 11.4	3.0 N	126.6 E	33	5.3	TALAUD ISLANDS.
23	19 53 19.7	6.9 N	73.0 W	151	4.3	NORTHERN COLOMBIA.
23	23 14 27.2	51.6 N	177.0 W	50	4.8	ANDREANOF ISLANDS, ALEUTIAN IS.
24	00 58 20*	4.1 S	139.1 E	60		WEST NEW GUINEA.
24	06 21 41*	3.5 S	77.4 W	33	4.0	PERU-ECUADOR BORDER REGION.
24	06 25 01*	37.9 N	141.3 E	33	4.2	NEAR EAST COAST OF HONSHU, JAPAN.
24	12 56 26.0	32.2 N	129.4 E	48	4.4	KYUSHU, JAPAN.
24	14 59 58.7	7.1 S	155.6 E	123	5.0	SOLOMON ISLANDS.
24	15 13 01*	17.3 N	100.4 W	33	4.4	GUERRERO, MEXICO.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
24	19 28 02.6	15.4 N	93.3 W	33	3.9	NEAR COAST OF CHIAPAS, MEXICO.
25	03 42 52.7	10.8 S	164.8 E	24	3.5	SANTA CRUZ ISLANDS REGION.
25	05 58 47.1	14.5 N	93.4 W	69	4.8	NEAR COAST OF CHIAPAS, MEXICO.
25	11 23 00.6	60.3 N	149.1 W	70	4.6	KENAI PENINSULA, ALASKA.
25	11 47 02.2	22.8 S	63.5 W	525	4.3	SALTA PROVINCE, ARGENTINA.
25	11 53 03*	12.2 S	165.6 E	86		SANTA CRUZ ISLANDS.
25	13 30 00.148					37° 06' 40"N. 116° 01' 44"W. NEVADA TEST SITE. "FADE." SHOT ELEVATION 1078.1 METERS (AEC).
25	17 24 55*	43.6 N	130.2 W	33	5.4	OFF COAST OF OREGON.
25	22 19 38.2	16.1 N	145.3 E	293	4.9	MARIANA ISLANDS.
26	01 32 51.5	55.9 S	27.6 W	55	5.5	SOUTH SANDWICH ISLANDS REGION.
26	04 45 56.9	38.7 N	138.9 E	20	4.8	NEAR WEST COAST OF HONSHU, JAPAN. FELT AT NIIGATA.
26	05 20 04*	15.7 S	167.8 E	134		NEW HEBRIDES ISLANDS.
26	05 28 49*	61.7 N	148.3 W	33	4.3	SOUTHERN ALASKA.
26	08 40 50*	8.5 N	73.6 W	33	4.0	NORTHERN COLOMBIA.
26	12 24 28.5	48.2 N	115.1 W	33	4.7	MONTANA.
26	13 10 28.9	12.6 S	169.4 E	648	4.9	SANTA CRUZ ISLANDS REGION.
26	13 32 52.3	9.2 S	158.9 E	17	5.6	SOLOMON ISLANDS. FELT AT HONIARA.
26	16 04 12*	5.3 S	131.2 E	60	4.9	BANDA SEA.
27	02 28 57.1	40.4 N	77.5 E	33	5.0	KIRGIZ-SINKIANG BORDER REGION.
27	08 50 29.1	16.5 N	85.7 W	28	4.3	CARIBBEAN SEA.
27	11 44 21.4	20.2 S	178.9 W	603	4.5	FIJI ISLANDS REGION.
27	16 43 47.0	11.5 S	13.8 W	33	4.7	ASCENSION ISLAND REGION.
27	17 19 53*	27.8 S	65.6 W	100	4.5	TUCUMAN PROVINCE, ARGENTINA.
27	21 55 39*	46.7 N	152.2 E	33	4.9	KURILE ISLANDS.
27	23 10 41.9	41.0 N	113.4 W	33		UTAH.
28	05 52 35*	13.4 S	71.5 W	237	3.8	PERU.
28	07 19 19*	14.1 N	92.0 W	98	3.7	NEAR COAST OF CHIAPAS, MEXICO.
28	11 15 22*	34.6 N	32.2 E	81	4.7	CYPRUS. FELT AT NICOSIA.
28	12 51 34.6	1.7 S	149.6 E	7	6.4	NEW IRELAND REGION. MAG. 5 3/4-6 (BRK). FELT.
28	14 52 08.4	13.2 S	167.1 E	215	5.4	NEW HEBRIDES ISLANDS.
28	15 22 43*	37.4 N	14.3 W	33	4.6	NORTH ATLANTIC OCEAN.
28	17 07 07.0	3.5 N	32.4 W	33	4.6	CENTRAL MID-ATLANTIC RIDGE.
28	17 21 50*	27.1 N	111.5 W	33	4.5	GULF OF CALIFORNIA.
28	17 27 59.8	4.0 N	32.4 W	33	5.3	CENTRAL MID-ATLANTIC RIDGE. MAG. 5 1/4-5 1/2 (PAL).
28	18 22 46.3	53.2 N	162.0 W	39	5.1	SOUTH OF ALASKA.
28	19 09 05.4	58.3 N	150.2 W	23	5.5	GULF OF ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
JUN	H M S	DEG	DEG	KM		
28	19 56 25.1	59.1 N	153.1 W	33	4.4	SOUTHERN ALASKA.
28	23 45 37.9	30.7 S	178.0 W	29	4.2	KERMADEC ISLANDS REGION.
29	00 04 30.1	16.5 N	94.6 W	68	4.8	OAXACA, MEXICO.
29	03 54 01.2	22.6 S	65.5 W	238	4.1	JUJUY PROVINCE, ARGENTINA.
29	04 43 30*	26.7 N	110.8 W	33	5.3	GULF OF CALIFORNIA.
29	05 13 23*	27.1 N	110.5 W	33	4.7	GULF OF CALIFORNIA.
29	07 12 06*	17.5 S	173.5 W	33	4.1	TONGA ISLANDS.
29	07 21 32.8	62.7 N	152.0 W	33	5.6	CENTRAL ALASKA. FELT AT COLLEGE, MCGRATH AND ANCHORAGE.
29	08 50 57*	1.8 S	78.4 W	158	4.1	ECUADOR.
29	10 42 46.1	56.7 N	151.4 W	33	5.1	KODIAK ISLAND REGION.
29	19 04 50*	61.0 N	143.7 W	33	4.5	SOUTHERN ALASKA.
30	05 27 28.7	29.8 S	178.7 W	214	4.5	KERMADEC ISLANDS REGION.
30	05 46 53*	59.1 N	154.0 W	33	4.6	SOUTHERN ALASKA.
30	08 51 51.2	6.9 S	129.6 E	99	4.9	BANDA SEA.
30	10 14 45.8	19.8 S	173.9 W	33	4.8	TONGA ISLANDS.
30	10 17 51.1	44.1 N	149.6 E	33	4.9	KURILE ISLANDS.
30	11 28 58*	23.3 S	66.6 W	353	4.5	JUJUY PROVINCE, ARGENTINA.
30	11 34 12*	44.5 N	150.2 E	36	4.2	KURILE ISLANDS REGION.
30	12 30 03.3	47.8 N	16.0 E	33	4.6	AUSTRIA. FELT.
30	13 33 00.141					37° 10' 28"N. 116° 03' 23"W. NEVADA TEST SITE. "DUB." SHOT ELEVATION 913.8 METERS (AEC).
30	13 46 21.6	0.8 S	122.5 E	36	6.3	NORTHERN CELEBES.
30	15 47 41.1	44.7 N	150.4 E	33	5.1	KURILE ISLANDS REGION.
30	15 48 43*	45.9 N	150.4 E	33	6.0	KURILE ISLANDS.
30	16 24 08*	33.0 S	70.1 W	115	4.1	CHILE-ARGENTINA BORDER REGION. FELT.
30	17 52 35.6	14.3 S	173.6 E	607	4.3	FIJI ISLANDS REGION.
30	18 47 23*	45.1 N	150.0 E	33	4.6	KURILE ISLANDS.
30	19 47 22.5	0.0 S	122.9 E	33	4.9	NORTHERN CELEBES.
30	20 08 28.5	46.6 N	144.6 E	383	5.5	SEA OF OKHOTSK.
30	22 03 12*	45.4 N	143.0 E	367	3.9	HOKKAIDO, JAPAN REGION.
30	22 11 38.5	11.1 S	162.4 E	9	4.9	SOLOMON ISLANDS.
30	23 14 33*	0.3 S	122.6 E	56	5.3	NORTHERN CELEBES.
30	23 38 15*	7.9 S	131.6 E	162		TANIMBAR ISLANDS REGION.

Date and Station	Phase (GCT)
	h m s
JUN 01	
COL EP	00 12 41.0
JUN 01	
SIT E(P)	00 15 44.4
JUN 01	
H-00 27 56.7	
53.7N 166.7W	
h ABOUT 080KM	
COL EP	00 31 22.0
EUR IP	00 34 58.3
TUC EP	00 36 03.8
JUN 01	
EUR EP	01 57 05.3
BCN E(P)	01 57 13.0
JUN 01	
COL IP	02 33 08.6
JUN 01	
H-03 46 42.3	
45.5N 150.7E	
h ABOUT 024KM	
BOZ EP	03 57 15.5
EUR EP	03 57 23.6
TUC E(P)	03 58 13.5
JUN 01	
TUC EP	04 19 46.5
JUN 01	
TUC EP	04 32 50.4
JUN 1	
H-04 36 43.6	
40.5N 137.9E	
h ABOUT 032KM	
COL IP	04 45 19.0
BOZ EP	04 48 18.0
E	48 26.0
JUN 01	
BOZ IP	05 01 51.5
IS	02 40.0
JUN 1	
H-06 05 07.6	
14.6S 167.4E	
h ABOUT 176KM	
KIP E(P)	06 14 18.0
COL EP	06 17 28.0
BCN EP	06 17 44.2
E*P	18 25.0
EUR IP	06 17 44.5
TUC EP	06 17 54.0
E*P	18 34.0
BOZ EP	06 18 07.0
E*P	18 54.0
HON E	06 20 44.0
EL	25 20.0
JUN 01	
TUC EP	06 25 30.2
JUN 01	
TUC EP	06 35 18.0
JUN 01	
ALQ E(P)	08 18 40.5
JUN 01	
BOZ EP	08 31 12.0
JUN 1	
H-09 20 58.1	
01.0S 078.1W	
h ABOUT 033KM	
TUC EP	09 29 15.4
JUN 1	
H-10 12 57.0	
19.0S 169.5E	
h ABOUT 248KM	
COL EP	10 25 26.0
BCN EP	10 25 31.0
TUC EP	10 25 38.0
JUN 01	
H-11 22 02.1	
43.6N 146.9E	
h ABOUT 033KM	
COL IP	11 29 47.1
HHM EP	11 32 36.1
EUR IP	11 33 03.5
BCN EP	11 33 22.0
E	33 38.7
RCD E(P)	11 33 30.0
TUC EP	11 33 50.0
JUN 01	
COL EP	11 31 55.7
JUN 01	
BOZ IP C	11 46 54.5
JUN 01	
BCN EP	11 50 13.2
EUR EP	11 50 59.9
JUN 01	
COL IP	12 25 01.4
JUN 01	
BOZ E(P)	12 40 55.0
JUN 1	
H-13 17 20.7	
21.0S 175.7W	
h ABOUT 035KM	
KIP EP	13 25 40.0
ES	32 33.0
EL	37 58.0
BCN EP	13 29 34.5
TUC E(P)	13 29 35.2
E	29 39.0
EUR IP	13 29 40.2
COL IP	13 30 09.1
BOZ EP	13 30 09.2
HHM E(P)	13 30 10.3
HON ES	13 32 30.0
E	35 52.0
EL	37 55.0
JUN 01	
EUR EP	13 22 25.9
JUN 1	
H-13 24 07.1	
52.9N 035.0W	
h ABOUT 033KM	
BOZ EP	13 32 47.0
COL EP	13 33 13.0
JUN 01	
KIP EP	16 16 54.0
JUN 01	
RCD E(P)	16 26 28.5
JUN 01	
KIP EP	16 37 10.0
JUN 01	
COL IP	17 33 20.3
JUN 01	
COL EP	17 44 00.0
JUN 01	
FGU IP	18 29 04.4
ES	29 21.6
JUN 01	
H-18 31 13.7	
43.6N 147.0E	
h ABOUT 033KM	
HHM EP	18 41 48.0
BOZ EP C	18 42 05.6
EUR IP	18 42 15.1
TUC E(P)	18 43 02.6
JUN 01	
EUR IP	18 34 15.3
JUN 01	
COL EP	18 38 31.0
I	38 59.2
JUN 01	
ALQ EP	18 43 27.0
E	44 36.0
JUN 01	
ALQ EP	20 05 03.0
JUN 01	
COL EP	20 15 47.0
BOZ E(P)	20 19 40.0
JUN 01	
HHM IP	20 25 44.8
JUN 01	
BOZ E(P)	21 14 17.0
JUN 01	
FGU E(P)	21 16 38.0
JUN 1	
H-21 25 41.9	
28.2S 065.9W	
h ABOUT 041KM	
ALQ E(P)	21 37 18.7
TUC E(P)	21 37 20.2
EUR E(P)	21 38 05.0
HHM I(P)	21 38 33.0
JUN 01	
BCN E(P)	21 50 55.3
EL	51 31.2
JUN 01	
FGU EP	22 12 19.0
ES	12 28.5
JUN 01	
EUR IP	22 30 13.9
JUN 01	
FGU IP	23 00 36.4
I	00 39.1
ES	01 01.5
SLC EP	23 00 39.9
ES	01 07.9
EUR EP	23 00 54.1
JUN 01	
FGU IP	23 22 34.2
JUN 01	
EUR IP	23 45 25.3
JUN 02	
GCA EP	01 10 52.5
JUN 02	
FGU EP	01 30 10.1
IS	30 37.3

Date and Station	Phase	Phase (GCT) h m s
JUN 02		
BCN	IP	01 34 19.8
	IS	34 32.4
JUN 02		
EUR	EP	01 39 12.1
JUN 02		
SJP	EP	02 04 52.0
	EL	05 28.0
JUN 02		
RCD	E(P)	02 15 33.0
JUN 02		
TUC	E(P)	03 47 58.0
JUN 02		
TUC	E(P)	05 26 22.5
JUN 02		
TUC	EP	06 33 20.0
JUN 02		
EUR	EP	07 31 22.7
JUN 02		
EUR	EP	08 38 23.3
JUN 02		
HHM	IP	12 09 34.1
JUN 02		
SJP	EP	15 09 27.5
	EL	10 07.0
BHP	IP	15 12 34.5
	IS	13 16.0
JUN 02		
H-16 09 23.5		
59.7N 144.4W		
h ABOUT 015KM		
SIT	IP	16 10 43.0
COL	IP	16 10 45.3
	IS	12 00.0
HHM	IP	16 14 08.1
	I	14 11.4
	(S)	18 16.4
BUT	EP	16 14 32.8
	EL	21 43.8
BOZ	IP D	16 14 39.0
	ES	19 00.0
UKI	E(P)	16 14 44.0
EUR	IP	16 15 07.5
SLC	IP	16 15 12.9
FGU	EP	16 15 21.9
BCN	EP	16 15 38.4
ALQ	IP	16 16 17.0
	E	22 43.0
TUC	IP D	16 16 20.8
	EpP	16 26.7
	E(PCP)	18 48.5
KIP	EP	16 16 54.0
	ES	23 06.0
	EL	26 18.0
	ET	58 13.0
HON	ES	16 23 05.0
	EL	26 04.0
PHI	E	16 28 09.5
WAS	E	16 32 32.0
CSC	E	16 33 03.0
	E	35 00.0
JUN 02		
H-16 29 41.5		
59.7N 144.2W		
h ABOUT 010KM		
COL	IP	16 31 02.6
	ES	32 28.0
HHM	IP	16 34 26.7
	I	34 37.6
EUR	IP	16 35 25.0
SLC	EP	16 35 31.2
FGU	EP	16 35 39.4
TUC	EP D	16 36 38.0
	E	36 44.4
KIP	EP	16 37 10.0
	ET	17 18 25.0
JUN 02		
FGU	IP	17 02 49.7
	ES	03 08.1
JUN 02		
H-17 06 41.9		
43.9N 148.8E		
h ABOUT 045KM		
COL	EP	17 14 15.0
HHM	EP	17 17 05.2
BOZ	IP D	17 17 24.8
	IpP	17 36.5
EUR	IP	17 17 34.1
ALQ	EP	17 18 26.0
	EpP	18 38.0
JUN 02		
PHI	E(P)	17 12 22.0
	E	24 25.0
JUN 02		
BHP	IP	17 39 42.5
	IS	40 19.0
JUN 02		
EUR	EP	17 54 21.5
JUN 02		
SLC	EP	18 07 01.0
JUN 02		
COL	IP	19 39 05.3
JUN 02		
SLC	IP	20 02 39.3
JUN 02		
H-20 44 45.0		
43.7N 146.7E		
h ABOUT 039KM		
COL	EP	20 52 29.0
BOZ	IP C	20 55 36.9
EUR	EP	20 55 46.3
ALQ	EP	20 56 37.0
JUN 02		
COL	EP	21 30 04.0
JUN 02		
FGU	E(P)	21 32 20.9
	E(S)	33 08.5
JUN 02		
ALQ	EP	22 03 53.0
JUN 02		
EUR	IP	22 49 17.2
JUN 02		
CSC	E(P)	23 04 00.0
JUN 2		
H-23 12 37.8		
14.7S 167.0E		
h ABOUT 082KM		
COL	EP	23 25 11.0
EUR	IP	23 25 28.5
TUC	E(P)	23 25 37.0
	EpP	25 58.0
JUN 02		
BOZ	E(P)	23 26 15.0
JUN 02		
COL	EP	23 44 29.0
JUN 03		
TUC	EP	00 05 31.3
JUN 03		
FGU	E(P)	00 35 32.5
JUN 03		
COL	IP	00 44 30.8
JUN 03		
EUR	EP	00 58 54.6
JUN 03		
COL	IP	01 03 54.3
HHM	I(P)	01 03 06.8
JUN 03		
EUR	EP	01 08 24.2
JUN 03		
COL	EP	02 21 16.0
JUN 03		
ALQ	EP	02 32 17.0
JUN 03		
H-02 49 14.9		
25.9N 095.8E		
h ABOUT 100KM		
COL	IP	03 00 59.7
BOZ	E(P)	03 03 15.0
	E	07 25.0
ALQ	IP'	03 07 48.0
TUC	EP'	03 07 49.5
JUN 03		
COL	EP	02 57 47.0
JUN 03		
TUC	E(P)	04 40 34.0
JUN 03		
ALQ	E(P)	04 57 50.0
JUN 03		
BOZ	E(P)	05 08 24.8
	E	08 45.0
JUN 03		
TUC	E(P)	05 13 04.0
JUN 03		
TUC	E(P)	06 08 48.6
JUN 03		
HHM	IP	06 31 15.4
	IS	32 26.0
BOZ	E(P)	06 31 40.0
	E	32 04.6
	EL	32 41.5
JUN 03		
ALQ	E(P)	07 26 58.0
JUN 3		
H-07 28 29.6		
28.4N 142.7E		
h ABOUT 033KM		
BOZ	EP D	07 40 38.8
	EpP	40 44.9
EUR	EP	07 40 40.0
TUC	EP	07 41 16.5
JUN 3		
H-07 49 30.8		
05.2S 078.6W		
h ABOUT 033KM		
BOZ	EP	07 59 26.2

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	h m s
JUN 03	
H-09 17 06.7	
15.6N 094.5W	
h ABOUT 059KM	
ALQ EP	09 21 59.5
TUC EP	09 22 01.6
BOZ EP	09 23 40.5
JUN 03	
BOZ EP	10 26 34.5
E	27 24.0
COL IP	10 26 35.7
JUN 03	
BOZ EP	10 47 34.9
JUN 03	
EUR EP	11 04 38.2
JUN 03	
H-11 25 45.5	
61.1N 151.2W	
h ABOUT 033KM	
COL EP	11 26 47.0
HHM E(P)	11 31 02.4
BOZ EP	11 31 32.0
JUN 03	
BOZ E(P)	11 31 09.0
JUN 03	
H-11 41 54.6	
19.5N 108.3W	
h ABOUT 033KM	
TUC E(P)	11 44 59.6
EL	47 12.0
ALQ E(P)	11 45 38.0
BCN EP	11 45 58.0
E	46 10.0
EUR IP	11 46 37.3
BOZ EP	11 47 27.5
JUN 03	
BOZ E(P)	12 37 38.0
E	38 04.0
JUN 03	
GCA EP	13 06 06.5
ES	06 52.1
JUN 3	
H-13 50 15.5	
40.3N 126.1W	
h ABOUT 033KM	
UKI EP	13 50 53.0
ES	51 23.0
EUR IP	13 52 08.9
BUT E(P)	13 53 01.0
BOZ EP	13 53 02.0
HHM EP	13 53 03.2
TUC EP	13 53 45.4
E	53 51.0
ALQ EP	13 54 08.0
JUN 03	
H-14 03 42.4	
59.9N 143.9W	
h ABOUT 020KM	
SIT IP	14 05 00.0
COL IP	14 05 02.4
ES	06 24.0
HHM IP	14 08 25.6
I	08 33.1
E	15 26.0
BUT E(P)	14 08 57.0
BOZ EP	14 08 57.0
EPCP	12 42.8
EL	14 20.0
EUR IP	14 09 24.9
SLC E(P)	14 09 27.9
BCN EP	14 09 55.8
ALQ IP	14 10 35.0
E	10 41.0
E	16 52.0
TUC EP	14 10 37.5
E>P	10 44.8
EPCP	13 06.0
KIP E(P)	14 11 16.0
ET	52 29.0
JUN 03	
EUR IP	14 16 25.8
JUN 03	
PHI E(P)	14 27 50.0
JUN 03	
WAS E	14 29 26.0
JUN 03	
COL IP	15 54 40.3
JUN 03	
COL IP	16 26 14.3
JUN 03	
BOZ E(P)	16 32 00.0
EL	32 58.0
JUN 03	
BOZ E(P)	17 09 40.0
JUN 03	
EUR IP	17 11 48.4
BOZ EP	17 12 45.0
JUN 03	
BHP IP	17 16 10.5
IS	16 34.0
JUN 03	
BOZ IP	17 30 06.0
IS	30 16.0
JUN 03	
GCA EP	17 33 48.5
JUN 03	
FGU E(P)	17 45 42.4
JUN 3	
H-17 54 14.7	
18.8S 173.7W	
h ABOUT 033KM	
TUC E(P)	18 06 17.3
EUR EP	18 06 19.4
FGU E(P)	18 06 45.4
BOZ EP	18 06 49.9
E	07 09.9
COL EP	18 06 53.0
JUN 03	
FGU E(P)	18 00 58.2
E(S)	01 16.9
JUN 03	
EUR EP	18 34 28.7
JUN 03	
ALQ IP	18 47 08.0
E	47 15.0
E	47 36.0
JUN 03	
FGU EP	18 51 02.5
ES	51 22.6
JUN 03	
COL EP	19 08 56.0
JUN 03	
COL EP	19 23 12.0
JUN 03	
FGU EP	19 58 02.2
JUN 03	
COL EP	20 04 22.0
JUN 03	
BOZ IP	20 32 04.9
IS	32 10.0
JUN 03	
BOZ E(P)	21 03 00.0
EL	03 32.0
JUN 03	
BOZ EP	21 13 52.9
E	14 07.9
JUN 03	
SLC EP	21 54 01.8
EL	54 28.8
FGU IP	21 54 32.8
E(S)	55 08.3
JUN 03	
FGU E(P)	22 46 54.5
JUN 03	
EUR EP	23 21 13.4
JUN 03	
BOZ EP	23 30 32.9
JUN 4	
H-00 15 39.8	
33.5S 177.8W	
h ABOUT 031KM	
TUC EP	00 28 41.7
JUN 04	
BOZ E(P)	00 31 21.0
COL EP	00 32 22.0
JUN 04	
ALQ IP	00 37 48.0
JUN 04	
BOZ EP	00 44 22.0
JUN 04	
EUR EP	01 18 13.8
JUN 4	
H-01 42 19.9	
24.5N 122.1E	
h ABOUT 033KM	
HHM IP	01 55 27.9
BOZ EP	01 55 40.0
E	55 51.0
JUN 04	
EUR IP	02 55 44.4
JUN 4	
H-02 57 07.6	
36.4N 069.3E	
h ABOUT 033KM	
COL E(P)	03 08 42.0
JUN 4	
H-03 27 04.6	
59.7N 147.3W	
h ABOUT 045KM	
COL EP	03 28 23.0
ES	29 48.0
HHM E(P)	03 31 59.6
BOZ EP	03 32 29.0
JUN 04	
TUC EP	03 28 53.0
JUN 04	
FGU E(P)	03 41 54.9
JUN 04	
ALQ E(P)	03 58 18.0

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JUN 04		
ALQ	IP	04 23 08.0
	E	23 17.5
JUN 04		
H-04 28 54.7		
17.5N 100.8W		
h ABOUT 022KM		
TUC	EP	04 32 56.7
	E	33 34.6
	E	34 03.0
	ES	36 10.0
GCA	EP	04 33 47.0
BHP	EP	04 33 50.0
CSC	EP	04 34 12.0
	ES	38 38.0
	E	45 12.0
FGU	EP	04 34 14.9
SLC	EP	04 34 20.2
EUR	IP	04 34 24.5
BOZ	IP C	04 34 59.0
	I	35 07.0
	E	49 16.0
WAS	E	04 35 01.0
BUT	E(P)	04 35 10.0
	E	44 53.9
HHM	IP	04 35 27.3
COL	IP	04 38 38.6
JUN 04		
SLC	E(P)	04 41 44.2
EUR	IP	04 42 35.3
JUN 04		
ALQ	EP	06 18 13.0
JUN 04		
JUN 04		
COL	IP	06 06 47.9
ALQ	EP	06 35 07.0
JUN 04		
HHM	E(P)	07 34 15.4
COL	EP	07 38 02.0
BOZ	EP	07 37 09.0
	EL	37 54.0
COL	EP	07 47 07.0
JUN 04		
BOZ	EP	07 41 08.9
JUN 04		
TUC	E(P)	07 48 03.2
JUN 04		
ALQ	E(P)	09 08 11.0
JUN 04		
ALQ	E(P)	09 29 10.5
	E	29 49.0
JUN 04		
COL	EP	09 59 01.0
JUN 04		
H-10 03 37.6		
31.4N 116.3W		
h ABOUT 030KM		
BCN	IP C	10 04 47.7
	I(S)	05 36.5
	IL	05 58.0
TUC	EP	10 04 50.0
GCA	IP	10 05 18.1
	I	05 22.1
EUR	IP	10 05 35.4
ALQ	E(P)	10 05 59.0
	E	08 38.5
BOZ	E(P)	10 07 13.9
JUN 04		
FGU	E(P)	10 08 14.2
JUN 04		
FGU	E(P)	10 09 12.8
JUN 4		
H-10 18 15.3		
7.8S 117.6E		
h ABOUT 047KM		
EUR	EP'	10 37 19.5
BOZ	EP'	10 37 22.0
	E	37 30.5
JUN 4		
H-11 17 11.8		
06.1S 149.9E		
h ABOUT 054KM		
EUR	EP	11 30 42.1
HON	ES	11 35 11.0
	E	39 34.0
	EL	43 43.0
JUN 04		
ALQ	E(P)	11 33 55.0
JUN 04		
H-11 46 01.7		
9.6S 076.1W		
h ABOUT 124KM		
BHP	IP	11 50 14.0
ALQ	IP	11 55 07.0
TUC	IP D	11 55 10.3
GCA	EP	11 55 38.8
BCN	EP	11 55 46.0
FGU	IP	11 55 48.7
SLC	IP	11 55 58.1
EUR	IP	11 56 07.0
BOZ	IP	11 56 21.0
HHM	IP	11 56 41.8
COL	IP	11 58 53.1
JUN 04		
ALQ	E(P)	11 47 15.0
JUN 04		
FGU	E(P)	13 05 08.3
JUN 04		
FGU	E(P)	13 06 06.7
JUN 04		
ALQ	EP	13 30 01.0
	E	33 18.0
JUN 04		
BOZ	EP	13 38 54.0
	ES	39 22.0
FGU	E(P)	13 39 01.4
	IS	39 37.5
JUN 04		
BOZ	IP	14 19 56.0
	ES	20 28.0
FGU	IP	14 20 06.7
	I	20 47.9
JUN 04		
BHP	IP	15 42 22.0
	IS	42 34.0
JUN 04		
ALQ	EP	17 29 06.0
JUN 04		
ALQ	E(P)	17 32 28.0
	E(S)	33 08.0
JUN 04		
COL	EP	18 05 07.0
ALQ	E(P)	18 06 41.0
JUN 04		
COL	IP	18 10 56.0
JUN 04		
COL	IP	19 11 04.9
EUR	IP	19 14 58.3
JUN 04		
ALQ	E(P)	19 33 47.0
JUN 04		
BCN	I(P)	19 54 20.7
JUN 04		
FGU	E(P)	20 20 12.8
	ES	20 47.5
JUN 04		
ALQ	E(P)	20 32 13.0
	E(S)	32 47.0
GCA	EP	20 32 18.9
	E	32 53.1
TUC	E(P)	20 33 00.0
JUN 04		
FGU	IP C	21 10 12.7
	E(S)	10 47.0
JUN 04		
SLC	EP	21 16 39.0
FGU	E(P)	21 17 08.2
JUN 04		
H-21 25 05.5		
32.1N 118.9W		
h ABOUT 030KM		
BCN	I(P)	21 26 19.8
	E	26 34.5
	EL	27 43.5
EUR	IP	21 26 56.7
JUN 04		
FGU	E(P)	21 31 50.2
	E	32 34.3
JUN 04		
BCN	I(P)	21 41 45.5
	IS	41 58.0
JUN 04		
ALQ	E(P)	22 02 55.0
JUN 04		
FGU	E(P)	22 40 19.5
JUN 04		
ALQ	E(P)	22 51 41.0
JUN 04		
TUC	E(P)	22 56 42.8
JUN 04		
EUR	EP	23 08 54.5
JUN 04		
BOZ	EP	23 11 46.0
	IS	11 59.5
JUN 04		
ALQ	E(P)	23 51 26.0
	E	54 41.0
JUN 04		
ALQ	E(P)	23 57 56.0
	E	59 11.0
COL	EP	24 02 33.6
JUN 05		
BOZ	E(P)	00 23 10.0
	E	25 00.0
JUN 05		
SIT	IP	00 52 13.0
JUN 5		
H-01 03 25.8		
25.6S 176.5W		
h ABOUT 033KM		

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	h m s
TUC E(P)	01 16 02.8
EUR EP	01 16 04.3
BOZ EP	01 16 33.0
JUN 05	
TUC E(P)	01 13 45.3
JUN 05	
COL IP	02 04 20.3
JUN 5	
H-02 36 12.4	
42.5N 084.8E	
h ABOUT 052KM	
COL IP	02 46 51.4
HHM E(P)	02 48 58.8
BOZ IP	02 49 13.0
JUN 05	
KIP IT	03 26 29.0
JUN 05	
H-03 59 26.6	
25.1N 142.6E	
h ABOUT 033KM	
HHM E(P)	04 11 35.0
EUR EP	04 11 48.0
FGU EP	04 12 04.8
TUC E(P)	04 12 23.2
JUN 5	
H-04 08 30.6	
56.2S 027.5W	
h ABOUT 033KM	
COL IP'	04 28 16.0
JUN 05	
COL IP	04 15 10.0
JUN 05	
H-04 44 48.6	
47.8N 027.3W	
h ABOUT 033KM	
HHM IP	04 54 17.1
COL EP	04 54 44.0
TUC EP	04 55 12.1
JUN 5	
H-04 52 04.3	
43.2N 111.3W	
h ABOUT 033KM	
BOZ IP	04 52 41.5
IS	53 12.0
FGU IP	04 52 48.2
IS	53 25.6
SLC E(P)	04 52 49.3
ES	53 24.5
	h m s
BUT EP	04 52 56.3
EUR E(P)	04 53 20.5
JUN 05	
COL EP	07 04 58.0
TUC EP	07 10 55.2
JUN 5	
H-08 37 54.4	
46.2N 151.9E	
h ABOUT 033KM	
COL E(P)	08 45 03.0
BOZ EP	08 48 19.0
I	48 38.0
EUR EP	08 48 28.4
TUC EP	08 49 17.4
JUN 5	
H-09 13 20.0	
16.2S 177.3E	
h ABOUT 025KM	
EUR IP	09 25 46.5
TUC EP	09 25 50.3
COL EP	09 25 54.0
GCA EP	09 25 57.1
ALQ EP	09 26 11.0
HHM EP	09 26 12.3
BOZ IP D	09 26 13.4
HON ES	09 28 22.0
EL	33 38.0
JUN 05	
H-09 50 35.0	
60.4N 146.0W	
h ABOUT 015KM	
COL IP	09 51 46.5
SIT E(P)	09 52 07.5
I	52 12.0
HHM EP	09 55 29.1
ES	58 30.0
EL	10 02 34.0
BUT EP	09 55 52.8
EPCP	59 27.8
BOZ IP D	09 55 59.5
I	56 12.0
ES	10 00 24.0
UKI E(P)	09 56 05.0
EUR IP	09 56 27.8
FGU EP	09 56 38.7
GCA EP	09 57 02.1
	h m s
ALQ EP	09 57 37.0
E(S)	10 03 49.0
TUC EP D	09 57 40.9
E(S)	10 03 27.0
KIP EP	09 58 10.0
WAS E(P)	09 59 14.0
EL	10 11 14.0
CSC EP	09 59 22.0
HON ES	10 04 23.0
EL	08 16.0
PHI E	10 09 27.5
JUN 05	
EUR IP	10 03 22.2
JUN 05	
TUC E(P)	10 18 17.2
JUN 05	
FGU EP	10 26 08.9
JUN 5	
H-10 53 21.5	
48.3N 153.5E	
h ABOUT 033KM	
COL IP	11 00 11.9
BOZ IP C	11 03 31.3
EUR IP	11 03 42.7
TUC E(P)	11 04 33.0
JUN 5	
H-11 18 18.1	
04.7N 075.8W	
h ABOUT 062KM	
ALQ E(P)	11 26 03.5
TUC EP	11 26 11.0
BOZ E(P)	11 27 12.0
JUN 05	
GCA IP	11 21 46.2
JUN 5	
H-11 50 24.9	
63.1N 151.1W	
h ABOUT 094KM	
COL EP	11 51 02.0
EUR E(P)	11 56 40.5
JUN 05	
BOZ IP	12 05 33.5
IS	05 38.5
JUN 05	
SJP EP	12 30 59.3
ES	31 11.0
JUN 05	
EUR EP	12 54 10.3
	h m s
JUN 05	
H-13 01 28.2	
43.0N 045.4E	
h ABOUT 033KM	
COL EP	13 12 50.0
HHM EP	13 14 13.9
BOZ EP	13 14 24.0
JUN 05	
BOZ E(P)	14 18 05.0
E	18 44.0
JUN 05	
GCA IP	14 35 11.0
JUN 05	
TUC E(P)	15 16 40.0
JUN 05	
COL EP	15 59 50.0
JUN 05	
TUC EP	16 37 03.5
ALQ E(P)	16 37 21.0
BOZ EP	16 37 27.5
JUN 05	
EUR EP	17 13 47.8
JUN 05	
FGU EP	17 37 22.6
JUN 05	
BOZ EP	17 51 45.9
IL	52 07.0
JUN 05	
FGU E(P)	18 15 06.7
JUN 05	
EUR IP	18 18 33.1
JUN 05	
PHI E(P)	19 11 27.0
E	19 39.0
I	25 00.9
JUN 05	
CSC EP	19 13 39.0
I	18 08.0
JUN 05	
GCA E(P)	19 29 41.3
JUN 05	
EUR IP	19 54 58.3
BOZ E(P)	19 58 30.0
FGU E(P)	19 58 15.8
ES	58 57.8
JUN 05	
FGU EP	20 40 23.3
JUN 05	
COL IP	20 58 55.7

Date and Station	Phase	(GCT) h m s
JUN 05		
FGU	EP	21 01 52.9
BOZ	EP	21 02 35.2
JUN 05		
FGU	E(P)	21 05 29.8
JUN 05		
FGU	E(P)	21 18 24.9
JUN 05		
BOZ	IP	21 27 07.5
	I	27 16.0
JUN 05		
HHM	I(P)	21 28 15.6
JUN 05		
FGU	EP	21 46 15.5
JUN 05		
SLC	EP	21 47 39.2
JUN 05		
COL	EP	21 58 29.0
JUN 05		
H-22 06 53.0		
58.1N 152.1W		
h ABOUT 015KM		
COL	IP	22 08 38.8
SIT	E(P)	22 09 01.6
HHM	IP	22 12 14.7
	IL	19 37.4
	I	19 44.2
BOZ	EP	22 12 40.0
	E	12 45.0
	EL	19 37.5
EUR	IP	22 13 01.4
FGU	E(P)	22 13 12.1
GCA	EP	22 13 40.8
KIP	IP	22 14 02.9
HON	EP	22 14 04.0
TUC	EP	22 14 12.4
	E	14 18.7
	EPCP	16 19.3
ALQ	EP	22 14 14.0
	E(PCP)	16 33.0
CSC	EP	22 16 04.0
	ES	23 30.0
SJP	EP	22 18 20.4
JUN 05		
EUR	IP	22 19 45.8
FGU	EP	22 19 49.1
TUC	EP	22 20 14.0
	E	20 21.8
ALQ	IP	22 20 15.3
	E	20 23.0
JUN 05		
BOZ	E(P)	22 54 04.0
JUN 05		
FGU	EP	22 56 33.7
	IS	56 56.2
JUN 05		
GCA	EP	23 07 35.3
SLC		23 07 45.9
EUR	IP	23 07 57.3
FGU	E(P)	23 08 12.2
JUN 05		
WAS	E	23 15 52.0
	E	29 36.0
JUN 05		
EUR	EP	23 23 09.6
JUN 05		
CSC	EP	23 48 55.0
JUN 05		
BOZ	EP	23 51 56.0
JUN 06		
FGU	IP	00 03 48.6
JUN 06		
COL	EP	00 26 37.0
JUN 06		
GCA	EP	01 16 11.5
	ES	16 22.0
JUN 06		
FGU	EP	01 38 05.5
JUN 06		
GCA	EP	01 45 36.0
	ES	45 46.5
JUN 06		
PHI	E(P)	02 20 03.0
	E	25 37.5
	I	31 42.0
CSC	EP	02 20 09.0
	I	23 02.0
	I	24 50.0
JUN 06		
H-02 33 16.1		
8.9S 108.7W		
h ABOUT 033KM		
EUR	EP	02 41 57.9
BOZ	EP	02 42 40.0
JUN 06		
GCA	E(P)	02 41 53.5
JUN 06		
RCD	E(P)	02 57 28.0
JUN 06		
TUC	E(P)	03 14 19.0
JUN 06		
H-03 44 27.8		
8.3S 079.3W		
h ABOUT 047KM		
ALQ	EP	03 53 21.0
TUC	EP	03 53 22.5
FGU	EP	03 54 03.4
BOZ	IP	03 54 38.9
JUN 06		
EUR	EP	06 24 00.4
JUN 06		
FGU	IP	06 44 30.8
JUN 06		
H-06 44 31.8		
39.5N 110.3W		
h ABOUT 000KM		
FGU	IP	06 44 58.7
SLC	IP	06 45 05.2
GCA	EP	06 45 18.6
	I	45 21.1
	IS	45 53.6
EUR	IP	06 45 43.1
ALQ	IP	06 45 55.4
BOZ	E(P)	06 46 05.0
	E	46 10.0
RCD	E(P)	06 46 19.0
TUC	E(P)	06 46 29.0
	EL	48 16.0
JUN 06		
PHI	EP	07 28 13.5
	I	33 24.0
JUN 06		
EUR	EP	07 37 06.9
JUN 06		
FGU	EP	07 43 43.4
JUN 6		
H-08 05 56.4		
37.1N 072.1E		
h ABOUT 166KM		
COL	IP	08 17 13.0
JUN 06		
COL	EP	08 41 28.0
JUN 06		
COL	EP	09 20 41.0
JUN 06		
BOZ	EP	09 56 13.2
JUN 06		
BOZ	EP	11 19 30.5
JUN 06		
H-11 47 39.3		
34.5N 121.5W		
h ABOUT 033KM		
UKI	E(P)	11 48 51.0
EUR	IP	11 49 16.1
TUC	EP	11 49 51.0
SLC	E(P)	11 49 58.0
FGU	E(P)	11 50 17.8
ALQ	IP	11 50 37.0
	E	50 51.0
	E	54 14.0
BOZ	IP	11 50 51.8
	I	50 54.5
HHM	EP	11 51 12.2
JUN 06		
TUC	EP	11 51 11.8
JUN 06		
H-12 46 59.9		
39.4N 110.2W		
h ABOUT 030KM		
FGU	IP	12 47 25.4
	IS	47 44.7
GCA	IP	12 47 44.6
	I	47 57.6
	IS	48 18.1
EUR	EP	12 48 08.3
ALQ	EP	12 48 17.0
	E	48 41.0
TUC	E(P)	12 48 58.0
JUN 06		
COL	EP	14 29 23.0
JUN 06		
EUR	EP	15 01 37.0
JUN 06		
EUR	IP	15 18 14.2
JUN 06		
EUR	EP	15 28 11.2
JUN 06		
TUC	E(P)	15 54 16.0
JUN 06		
ALQ	E(P)	15 58 12.0
JUN 06		
FGU	EP	17 15 25.2
JUN 06		
H-17 15 54.0		
31.4N 116.2W		
h ABOUT 030KM		

Date and Station	Phase (GCT)
	h m s
BCN IP C	17 17 04.3
IL	18 24.5
TUC EP	17 17 06.0
EL	18 17.0
GCA IP	17 17 33.6
EUR IP	17 17 52.1
ALQ FP	17 18 03.0
JUN 06	
FGU EP	17 16 20.2
JUN 06	
BCN EP C	17 39 59.7
IL	40 40.0
EUR EP	17 40 43.2
TUC EP	17 40 47.0
JUN 06	
GCA EP	17 42 00.1
JUN 06	
FGU EP	18 23 19.5
JUN 06	
BOZ FP	18 28 07.0
E	28 14.0
JUN 06	
UKI EP	18 41 35.0
JUN 06	
EUR IP	18 43 53.1
JUN 06	
BOZ IP D	19 04 12.9
JUN 06	
H-19 07 51.4	
26.6S 114.4W	
h ABOUT 033KM	
BHP IP	19 16 37.0
TUC EP	19 17 48.2
E	17 56.3
ES	26 00.0
ALQ EP	19 18 06.0
E	18 18.0
BCN EP	19 18 14.5
E	18 23.0
GCA EP	19 18 21.4
HON EP	19 18 22.0
KIP EP	19 18 22.0
SJP EP	19 18 28.0
EUR IP	19 18 36.3
UKI EP	19 18 36.6
FGU E(P)	19 18 40.3
SLC IP	19 18 43.3

Date and Station	Phase (GCT)
	h m s
CSC EP	19 18 51.0
ES	22 54.0
RCD IP	19 19 09.5
E	19 17.0
BUT EP	19 19 15.5
HHM IP	19 19 29.5
I	19 45.6
SIT E(P)	19 20 27.5
COL IP	19 21 09.8
JUN 06	
TUC EP	19 09 10.0
GCA EP	19 09 41.6
EUR IP	19 09 58.8
FGU EP	19 10 01.8
SLC E(P)	19 10 06.8
RCD E(P)	19 10 31.0
BOZ EP	19 10 34.1
JUN 06	
FGU E(P)	19 46 53.4
EUR IP	19 47 17.3
JUN 06	
SIT E(P)	20 09 12.0
JUN 06	
COL EP	20 13 40.0
JUN 06	
WAS I	20 19 24.0
E	26 04.0
JUN 06	
BUT EP	20 22 57.0
I	22 08.3
JUN 06	
COL E	21 37 28.0
JUN 06	
UKI E(P)	21 45 02.5
TUC EP	21 47 01.0
JUN 6	
H-22 01 45.2	
56.0S 027.4W	
h ABOUT 033KM	
COL IP'	22 21 31.5
JUN 06	
SLC EP	22 02 37.0
IS	03 03.6
FGU IP	22 03 04.7
JUN 06	
SLC E(P)	23 10 06.7
FGU E(P)	23 10 32.3

Date and Station	Phase (GCT)
	h m s
JUN 06	
BHP IP	23 46 52.0
IS	47 39.0
JUN 07	
SLC E(P)	00 15 03.2
E	15 45.2
JUN 07	
COL EP	02 43 15.0
JUN 07	
SJP IP D	04 18 59.0
IL	19 20.8
JUN 7	
H-05 29 34.7	
05.5S 152.4E	
h ABOUT 058KM	
COL IP	05 41 53.5
BOZ E(P)	05 43 07.0
JUN 07	
EUR EP	05 32 53.8
JUN 07	
BOZ IP	06 24 27.0
IS	24 40.0
JUN 07	
BOZ IP	06 57 14.5
IS	57 27.0
JUN 07	
TUC E(P)	07 14 16.0
JUN 07	
TUC EP	08 26 05.2
EL	27 00.0
JUN 07	
COL IP	08 33 38.5
ALQ E(P)	08 33 34.5
JUN 07	
TUC E(P)	09 07 08.5
JUN 07	
ALQ E(P)	09 51 19.0
JUN 07	
BOZ EP	10 14 16.0
JUN 07	
TUC E(P)	10 46 06.0
COL EP	10 49 47.0
JUN 07	
BOZ IP	11 55 53.9
IS	56 04.0
JUN 07	
HHM E(P)	11 56 50.2
JUN 07	
COL EP	12 55 10.0

Date and Station	Phase (GCT)
	h m s
JUN 7	
H-13 07 53.2	
18.4S 173.7W	
h ABOUT 033KM	
TUC EP	13 19 52.5
EUR EP	13 19 55.1
ALQ EP	13 20 17.0
BOZ EP	13 20 27.0
COL EP	13 20 29.0
JUN 07	
COL EP	14 25 29.0
ALQ E(P)	14 31 04.0
JUN 7	
H-14 49 31.2	
36.3N 141.0E	
h ABOUT 036KM	
GUA EP	14 54 33.0
HHM E(P)	15 00 57.0
BOZ EP	15 01 13.2
EUR I(P)	15 01 20.1
FGU E(P)	15 01 30.0
RCD E(P)	15 01 54.5
TUC EP	15 02 00.9
E	02 15.0
ALQ EP	15 02 06.0
E	02 19.0
JUN 07	
COL EP	14 58 04.0
JUN 07	
TUC E(P)	16 58 59.0
BOZ EP	16 59 18.8
COL E	17 01 12.0
JUN 07	
FGU E(P)	18 06 27.6
JUN 07	
FGU IP	19 21 17.8
JUN 07	
ALQ EP	20 05 39.5
JUN 7	
H-20 10 15.9	
30.4S 067.6W	
h ABOUT 029KM	
BHP IP	20 18 03.0
SJP E(P)	20 19 09.5
EPP	21 06.1
TUC EP	20 21 53.0
E(PP)	25 15.0

Date and Station	Phase	(GCT)
		h m s
ALQ	I(P)	20 22 08.0
FGU	I(P)	20 22 18.1
	I	22 37.1
BCN	EP	20 22 22.8
	E	22 36.5
RCD	EP	20 22 31.0
	I	22 45.0
SLC	EP	20 22 34.5
FUR	IP	20 22 39.5
BOZ	EP	20 22 51.9
	I	23 05.0
HHM	E(P)	20 23 05.6
	I	23 32.6
GUA	EP	20 30 03.5
JUN 07		
H-20 30 55.5		
45.3N 150.9E		
h ABOUT 033KM		
COL	EP	20 38 13.0
HHM	E(P)	20 40 56.0
BOZ	E(P)	20 41 16.1
	I	41 39.0
EUR	IP	20 41 36.6
FGU	E(P)	20 41 49.0
BCN	FP	20 41 56.0
	E	42 08.0
TUC	EP	20 42 24.8
HON	E	20 46 45.0
	EL	52 48.0
JUN 07		
BOZ	IP	21 25 54.5
	I	26 05.0
JUN 07		
HHM	E(P)	21 27 41.0
	EL	28 14.6
JUN 07		
EUR	IP	22 25 06.8
JUN 07		
COL	EP	23 51 27.0
JUN 08		
EUR	IP	02 06 47.8
JUN 08		
BCN	I(P)	02 07 52.5
	IL	08 16.0
JUN 08		
RCD	EP	02 14 25.0

Date and Station	Phase	(GCT)
		h m s
JUN 8		
H-02 26 42.3		
22.1S 179.5W		
h ABOUT 554KM		
EUR	IP	02 38 21.9
TUC	EP	02 38 22.0
SLC	E(P)	02 38 25.9
	E	38 36.9
FGU	I(P)	02 38 39.6
ALQ	IP	02 38 42.0
BOZ	EP	02 38 49.0
JUN 08		
BOZ	EP	03 41 20.0
	ES	41 35.0
JUN 08		
COL	EP	04 11 57.0
JUN 8		
H-04 22 30.1		
51.6N 175.9W		
h ABOUT 027KM		
COL	EP	04 26 59.0
KIP	EP	04 29 06.0
	ET	05 04 01.0
HHM	E(P)	04 29 54.6
	I	30 07.6
BOZ	IP C	04 30 18.2
	I	30 33.0
EUR	IP	04 30 26.2
FGU	E(P)	04 30 44.8
TUC	IP C	04 31 26.3
CSC	E(P)	04 33 23.0
SJP	IP D	04 35 17.5
	E	35 32.5
HON	E	04 34 38.0
	EL	37 43.0
RCD	E	04 39 05.0
JUN 08		
RCD	E(P)	05 09 23.0
JUN 08		
GUA	EP	05 11 51.8
JUN 8		
H-05 44 31.0		
57.4N 149.2W		
h ABOUT 033KM		
COL	IP	05 46 19.8
BOZ	EP	05 50 01.0
EUR	IP	05 50 20.4

Date and Station	Phase	(GCT)
		h m s
BCN	EP	05 50 50.0
TUC	FP C	05 51 33.0
JUN 08		
FGU	IP	08 50 34.7
JUN 08		
GUA	IP	09 43 37.8
	ES	43 44.0
JUN 08		
ALQ	E(P)	10 28 34.0
JUN 8		
H-10 47 59.9		
09.1N 072.6W		
h ABOUT 200KM		
EUR	EP	10 56 29.8
BOZ	EP	10 56 32.0
JUN 08		
EUR	EP	14 40 30.9
JUN 8		
H-15 48 00.0		
04.9S 151.3E		
h ABOUT 221KM		
EUR	EP	16 01 02.1
JUN 08		
HHM	IP	15 49 34.1
JUN 08		
COL	EP	15 59 44.0
JUN 08		
FGU	EP	16 32 54.5
JUN 08		
FGU	E(P)	17 59 19.3
JUN 08		
COL	IP	18 21 32.2
BOZ	EP	18 24 02.0
JUN 08		
BOZ	IP	18 35 49.0
	IS	35 59.0
JUN 08		
FGU	I(P)	18 40 31.9
JUN 08		
FGU	EP	19 19 37.6
JUN 08		
EUR	IP	19 29 33.0
JUN 08		
TUC	EP	19 38 08.4
	IL	38 28.0
GCA	E(P)	19 39 03.7
JUN 08		
FGU	EP	20 06 46.6

Date and Station	Phase	(GCT)
		h m s
JUN 08		
GCA	EP	20 09 42.2
	I	09 45.7
JUN 08		
FGU	IP	20 44 03.1
JUN 08		
BOZ	IP	21 09 17.3
	IS	09 26.0
JUN 08		
FGU	IP	21 12 14.6
JUN 08		
GCA	IP	21 24 52.2
JUN 08		
FGU	EP	21 58 16.0
JUN 08		
KIP	IP	22 01 33.0
	IS	02 03.0
JUN 08		
EUR	EP	22 08 21.0
BOZ	EP	22 09 01.0
	E	09 13.0
JUN 08		
EUR	IP	22 20 06.3
JUN 08		
EUR	IP	22 30 02.5
JUN 08		
CSC	EP	22 35 47.0
	E	36 06.0
	E	39 14.0
JUN 08		
GCA	FP	22 45 49.5
JUN 08		
TUC	E(P)	22 47 09.0
JUN 08		
H-22 53 21.7		
17.7N 145.7E		
h ABOUT 163KM		
GUA	IP	22 54 23.8
	ES	55 09.2
KIP	IP	23 02 22.0
COL	EP	23 03 39.0
HHM	IP	23 05 34.3
EUR	IP	23 05 42.5
BCN	E(P)	23 05 52.0
SLC	IP	23 05 53.8
FGU	IP	23 05 55.9
GCA	EP	23 06 01.5
TUC	IP D	23 06 12.5
	EPP	06 46.4
	EPP	09 50.0

Date and Station	Phase (GCT)
	h m s
ALQ EP	23 06 21.0
EPP	06 53.0
EPP	10 08.0
JUN 08	
SLC EP	23 03 35.0
ES	03 56.3
FGU IP	23 04 01.0
JUN 08	
COL IP	23 10 30.5
JUN 08	
SJP EP	23 15 33.2
JUN 09	
FGU EP	00 00 38.5
IS	01 13.5
BOZ E(P)	00 00 40.0
I	01 12.0
JUN 09	
COL EP	00 15 56.0
JUN 09	
COL EP	01 39 01.0
JUN 9	
H-02 33 39.4	
38.2N 002.5W	
h ABOUT 033KM	
BOZ EP	02 45 20.6
EUR EP	02 45 56.8
TUC EP	02 46 04.3
JUN 09	
TUC IP	04 06 40.6
ALQ IP	04 07 01.0
F	07 43.0
COL FP	04 07 11.0
BOZ EP	04 07 12.0
JUN 09	
EUR EP	04 11 31.6
TUC E(P)	04 11 39.5
JUN 9	
H-04 22 59.8	
35.4S 105.9W	
h ABOUT 033KM	
TUC EP	04 33 53.8
FGU EP	04 34 39.7
EUR IP	04 34 40.6
JUN 09	
BOZ EP	04 50 12.0
JUN 09	
COL EP	07 40 28.0

Date and Station	Phase (GCT)
	h m s
JUN 09	
HHM IP	08 17 01.4
IS	17 04.5
JUN 09	
HHM IP	09 02 10.1
JUN 09	
GUA EP	09 21 26.2
ES	21 48.0
EUR EP	09 32 45.3
JUN 09	
H-09 24 17.8	
59.6N 145.1W	
h ABOUT 033KM	
COL EP	09 25 38.0
HHM IP	09 29 03.5
BUT E(P)	09 29 29.0
BOZ EP	09 29 33.5
EUR IP	09 30 01.3
SLC E(P)	09 30 05.3
FGU E(P)	09 30 11.4
ALQ EP	09 31 06.0
TUC E(P)	09 31 14.2
JUN 09	
EUR EP	10 01 48.4
JUN 09	
COL EP	10 35 03.0
JUN 09	
BHP IP	10 56 58.0
IS	57 36.0
JUN 09	
GUA FP	11 07 12.5
ES	07 24.0
JUN 09	
ALQ E(P)	12 30 45.0
COL IP	12 31 17.0
JUN 09	
H-15 02 21.6	
19.2S 177.6W	
h ABOUT 556KM	
EUR IP	15 13 45.0
TUC IP D	15 13 45.2
COL IP	15 14 06.5
BOZ IP	15 14 13.2
JUN 09	
COL IP	15 21 02.2
JUN 09	
ALQ E(P)	15 40 03.5
E	40 10.5

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	15 41 21.0
JUN 09	
BOZ IP	16 41 18.0
I	41 24.5
I	41 34.0
JUN 09	
ALQ E(P)	16 47 41.5
JUN 9	
H-17 12 18.0	
51.4N 178.5E	
h ABOUT 033KM	
COL EP	17 17 10.0
BOZ EP	17 20 31.0
EUR IP	17 20 41.5
JUN 09	
ALQ E(P)	17 24 55.0
E	25 21.0
JUN 09	
ALQ EP	17 37 31.0
HHM E(P)	17 37 41.0
JUN 09	
HHM E(P)	17 49 18.6
JUN 09	
H-18 16 13.7	
.2S 078.9W	
h ABOUT 048KM	
BHP IP	18 18 26.0
SJP EP	18 21 09.5
I	21 14.0
ALQ IP	18 24 14.0
E	24 19.0
E	27 17.0
TUC EP D	18 24 19.7
FGU I(P)	18 24 53.9
EUR IP	18 25 20.6
BOZ IP C	18 25 33.5
I	25 39.0
PCP	26 24.0
HHM EP	18 25 57.5
COL EP	18 28 25.0
JUN 09	
SJP IP	18 29 10.0
JUN 09	
EUR IP	18 44 48.9
JUN 09	
BOZ IP	18 50 58.0
IS	51 07.0
JUN 09	
COL IP	19 24 25.2

Date and Station	Phase (GCT)
	h m s
JUN 09	
GUA EP	20 47 49.2
ES	48 13.5
JUN 09	
TUC EP	21 13 32.5
JUN 09	
COL IP	21 25 55.5
JUN 09	
SLC IP	21 55 49.6
ES	56 09.6
FGU IP	21 56 14.5
JUN 09	
ALQ EP	21 58 28.5
BOZ EP	21 58 35.0
JUN 09	
GCA E(P)	22 10 03.6
JUN 09	
COL EP	22 54 52.0
JUN 09	
FGU IP	22 58 44.6
ES	59 04.4
BOZ EP	22 59 21.0
JUN 09	
FGU IP	23 00 45.3
IS	00 55.3
JUN 09	
ALQ EP	23 04 34.0
JUN 09	
ALQ E(P)/	23 27 44.0
JUN 10	
GUA EP	00 46 26.5
E	47 40.0
JUN 10	
EUR IP	02 50 21.7
JUN 10	
TUC E(P)	03 16 05.6
JUN 10	
TUC E(P)	03 44 31.6
JUN 10	
ALQ E(P)	05 11 55.0
JUN 10	
ALQ E(P)	05 16 52.0
JUN 10	
GUA EP	05 40 09.0
ES	40 26.5
JUN 10	
GUA EP	05 51 25.5
ES	51 43.0
JUN 10	
ALQ E(P)	06 20 28.0

Date and Station	Phase	Phase (GCT) h m s
JUN 10		
SJP	EP	07 17 30.5
	IS	17 41.0
JUN 10		
SIT	E(P)	07 25 00.0
JUN 10		
H-07 35 56.7		
61.3N 148.8W		
h ABOUT 033KM		
COL	IP	07 36 52.8
BOZ	EP	07 41 34.0
JUN 10		
BCN	EP	09 07 07.0
TUC	EP D	09 07 10.0
EUR	IP	09 07 14.2
BOZ	E(P)	09 07 42.0
JUN 10		
TUC	EP	10 08 14.6
JUN 10		
GUA	IP	10 31 51.5
	IS	32 07.5
JUN 10		
EUR	EP	11 09 35.6
JUN 10		
ALQ	E(P)	11 28 28.0
JUN 10		
COL	EP	11 35 37.0
JUN 10		
COL	EP	11 38 51.0
JUN 10		
COL	IP	12 11 28.4
JUN 10		
TUC	E(P)	12 30 44.0
JUN 10		
SJP	E(P)	12 36 25.6
	E	37 05.5
JUN 10		
BCN	EP	12 44 44.0
	EL	45 23.0
JUN 10		
EUR	EP	12 47 15.1
JUN 10		
COL	IP	13 16 15.8
JUN 10		
EUR	EP	14 37 52.8
JUN 10		
UKI	E(P)	16 01 44.2
JUN 10		
FGU	E(P)	16 31 47.0
JUN 10		
COL	IP	17 22 32.5
	IS	22 35.0
JUN 10		
COL	IP	17 46 22.7
JUN 10		
H-17 55 42.9		
31.8N 093.1E		
h ABOUT 071KM		
COL	EP	18 07 05.0
JUN 10		
HHM	IP	18 04 23.0
	IS	04 32.8
BOZ	E(P)	18 05 19.0
	EL	06 54.0
JUN 10		
H-18 26 54.5		
09.4S 117.6E		
h ABOUT 033KM		
TUC	EP'	18 46 03.0
ALQ	EP'	18 46 06.0
JUN 10		
HHM	IP	18 36 52.3
	E	37 36.0
BOZ	EP	18 37 21.0
	EL	38 19.0
JUN 10		
BOZ	EP	18 45 02.0
	I	45 51.5
	E	47 37.5
JUN 10		
TUC	EP	18 49 18.0
ALQ	EP	18 49 27.5
JUN 10		
SIT	E(P)	19 09 36.4
JUN 10		
H-19 13 52.0		
18.0S 167.9E		
h ABOUT 047KM		
COL	EP	19 26 43.0
BCN	EP	19 26 50.8
EUR	IP	19 26 52.5
TUC	EP	19 26 59.3
GCA	EP	19 27 03.5
FGU	I(P)	19 27 09.3
BOZ	EP	19 27 16.0
JUN 10		
HHM	E(P)	19 46 58.0
JUN 10		
H-19 48 30.5		
06.1S 104.9E		
h ABOUT 084KM		
HHM	IP'	20 07 27.1
FGU	EP'	20 07 33.8
EUR	IP'	20 07 35.3
JUN 10		
BOZ	IP	19 54 23.6
	IS	54 29.0
JUN 10		
BOZ	IP	22 15 06.5
	IS	15 15.0
JUN 10		
H-22 16 44.8		
05.0N 127.4E		
h ABOUT 146KM		
GUA	IP	22 21 00.0
KIP	EP	22 28 07.0
	EPCP	28 29.0
HON	EP	22 28 08.0
	EPCP	28 30.0
COL	IP	22 28 57.3
HHM	E(P)	22 30 35.6
	E	33 49.0
EUR	EP	22 30 47.5
	IP'	34 41.5
ALQ	EP'	22 35 14.0
WAS	EP'	22 35 43.0
	ESKP	39 01.0
	E	39 35.0
CSC	EP'	22 35 48.0
	I	39 18.0
BHP	IP'D	22 36 12.5
SJP	IP'	22 36 14.4
JUN 10		
EUR	IP	22 24 27.7
JUN 10		
GCA	EP	22 30 21.3
	I	30 25.1
JUN 10		
BOZ	E(P)	22 31 20.0
	E	34 59.9
BCN	E(P)	22 31 27.7
	EL	34 35.0
TUC	E(P)	22 31 33.0
JUN 10		
FGU	IP	22 33 57.1
JUN 10		
TUC	E(P)	22 44 46.3
ALQ	E(P)	22 45 51.5
SLC	E(P)	22 45 57.6
	I	46 10.4
JUN 10		
TUC	EP	22 46 02.2
GCA	EP	22 46 04.3
BCN	EP	22 46 10.0
	E	46 21.8
JUN 10		
BCN	E(P)	22 50 44.0
COL	EP	22 55 20.0
JUN 10		
FGU	EP	22 58 36.3
	E(S)	58 54.8
JUN 10		
GCA	EP	23 11 15.3
JUN 10		
H-23 25 09.1		
59.1N 153.8W		
h ABOUT 033KM		
COL	IP	23 26 45.0
	EL	28 28.0
SIT	E(P)	23 27 29.0
HHM	IP	23 30 35.7
BOZ	EP D	23 31 03.0
EUR	IP	23 31 25.5
FGU	I(P)	23 31 35.8
BCN	EP	23 31 54.5
	EPCP	34 29.4
GCA	EP	23 32 00.3
TUC	EP	23 32 36.0
ALQ	E(P)	23 32 36.0
	EPCP	34 43.0
WAS	E	23 34 11.0
JUN 10		
EUR	EP	23 38 02.4
JUN 10		
FGU	IP	23 51 37.6
JUN 11		
H-01 05 20.2		
19.5S 175.4W		
h ABOUT 272KM		
TUC	EP	01 17 03.2
ALQ	EP	01 17 26.0
	E	17 52.0
JUN 11		
EUR	EP	01 17 32.0
	EPP	17 58.0

Date and Station	Phase (GCT)
	h m s
JUN 11	
FGU IP	01 33 06.2
JUN 11	
H-03 11 56.6	
65.5N 168.1W	
h ABOUT 033KM	
HHM IP	03 18 28.8
BOZ IP D	03 18 56.1
I	18 58.2
FUR IP	03 19 24.8
SLC EP	03 19 28.4
FGU E(P)	03 19 28.5
BCN EP	03 19 53.8
ALQ EP	03 20 27.0
EPP	21 59.0
TUC EP	03 20 30.8
JUN 11	
TUC E(P)	03 19 46.5
JUN 11	
TUC E(P)	04 50 30.2
COL IP	04 50 44.4
JUN 11	
H-07 25 49.1	
51.5N 178.6E	
h ABOUT 033KM	
COL EP	07 30 40.0
EUR IP	07 34 11.0
JUN 11	
H-10 26 16.8	
2.2S 141.2E	
h ABOUT 067KM	
GUA EP	10 29 57.5
COL EP	10 38 40.0
SJP IP'C	10 45 59.5
JUN 11	
H-10 55 06.2	
56.0S 027.3W	
h ABOUT 033KM	
TUC EP'	11 13 38.5
BCN EP'	11 13 48.8
FUR EP'	11 13 55.0
BOZ EP'	11 13 58.0
HHM IP'	11 14 04.1
JUN 11	
SJP E(P)	13 39 30.5
JUN 11	
EUR EP	13 44 08.9

Date and Station	Phase (GCT)
	h m s
JUN 11	
TUC E(P)	14 38 21.5
JUN 11	
TUC EP	15 02 03.4
JUN 11	
EUR EP	15 19 57.9
JUN 11	
H-15 20 48.4	
02.0S 141.2E	
h ABOUT 033KM	
COL EP	15 33 16.0
EUR IP	15 34 37.9
JUN 11	
COL IP	15 54 52.0
JUN 11	
TUC EP	16 40 56.8
JUN 11	
H-16 45 00.2	
37.2N 116.1W	
h ABOUT 000KM	
BCN IP D	16 45 29.5
IL	45 50.4
EUR IP	16 45 40.4
GCA EP	16 45 59.9
I	46 07.6
EL	47 02.0
FGU E(P)	16 46 32.4
TUC E(P)	16 46 39.5
ALQ E(P)	16 47 32.0
E	49 22.0
JUN 11	
ALQ E(P)	16 57 02.1
E(S)	57 12.0
JUN 11	
H-17 01 48.5	
2.0S 140.8E	
h ABOUT 018KM	
GUA IP	17 05 36.0
KIP EP	17 12 24.0
ES	21 06.0
EL	28 38.0
HON EP	17 12 24.0
ES	20 56.0
EL	28 32.0
COL EP	17 14 18.0
BOZ E(P)	17 15 51.0
JUN 11	
EUR EP	17 12 34.9

Date and Station	Phase (GCT)
	h m s
JUN 11	
H-17 27 13.4	
58.1N 152.9W	
h ABOUT 030KM	
COL EP	17 29 00.0
HHM E(P)	17 32 43.8
FGU E(P)	17 33 33.0
TUC E(P)	17 34 32.6
JUN 11	
H-17 51 51.5	
09.2S 089.5E	
h ABOUT 033KM	
FGU EP'	18 11 15.0
BOZ EP'	18 11 17.0
E	11 25.0
BCN EP'	18 11 28.3
I	11 36.0
GCA EP'	18 11 38.4
ALQ EP'	18 11 41.0
E	11 50.0
TUC EP'	18 11 41.8
E	11 48.8
JUN 11	
HHM E(P)	17 57 50.3
JUN 11	
COL EP	18 04 47.0
JUN 11	
ALQ E(P)	18 14 41.7
JUN 11	
FGU EP	18 28 25.5
ES	28 44.3
JUN 11	
H-18 32 17.9	
33.1N 137.6E	
h ABOUT 330KM	
COL EP	18 41 10.0
KIP IP	18 41 36.0
HHM IP	18 43 36.4
BOZ IP C	18 43 50.5
EUR IP	18 43 57.2
FGU I(P)	18 44 05.3
BCN EP	18 44 11.2
TUC EP	18 44 34.7
ALQ EP	18 44 40.5
JUN 11	
COL IP	18 44 07.3

Date and Station	Phase (GCT)
	h m s
JUN 11	
COL EP	19 12 41.6
JUN 11	
ALQ EP	19 34 21.5
JUN 11	
H-19 42 12.8	
2.1S 141.2E	
h ABOUT 033KM	
COL EP	19 54 45.0
JUN 11	
GCA EP	19 46 49.7
JUN 11	
EUR EP	20 24 09.6
JUN 11	
HHM IP	20 55 06.9
JUN 11	
FGU EP	21 27 16.4
E(S)	27 34.4
JUN 11	
H-21 28 08.2	
55.9S 027.7W	
h ABOUT 135KM	
ALQ EP'	21 46 29.0
TUC EP'	21 46 29.0
GCA EP'	21 46 37.7
EUR EP'	21 46 44.9
BOZ EP'C	21 46 49.0
IPP'	47 20.0
HHM IP'	21 46 52.7
IPP'	47 26.2
FGU EP'	21 47 04.4
COL EP'	21 47 35.0
JUN 11	
SLC EP	21 39 16.5
ES	39 47.0
FGU IP	21 39 42.1
JUN 11	
SJP EP	21 40 35.5
E	41 18.0
JUN 11	
BCN E(P)	21 45 13.7
EL	45 49.5
FGU EP	21 46 12.6
JUN 11	
BOZ IP	21 56 40.0
FGU EP	21 56 51.0
EUR IP	21 56 51.9
TUC EP	21 57 21.0

Date and Station	Phase (GCT)
	h m s
JUN 11	
HHM E(P)	22 01 52.0
I	02 26.5
JUN 11	
BCN EP	22 08 41.0
JUN 11	
TUC EP	22 10 41.7
EL	11 00.0
JUN 11	
H-22 18 19.8	
40.3N 126.5W	
h ABOUT 033KM	
UKI EP	22 19 03.8
E	22 13.5
EUR IP	22 20 20.1
BCN EP	22 20 50.5
HHM IP	22 21 09.9
BOZ IP C	22 21 11.5
GCA E(P)	22 21 18.7
FGU E(P)	22 21 18.9
TUC EP	22 21 52.7
E	22 02.7
ALQ I(P)	22 22 19.0
JUN 11	
COL EP	22 30 40.7
E	30 45.1
JUN 11	
COL EP	22 43 52.0
E	44 03.0
JUN 11	
SLC E(P)	23 06 34.4
E(S)	07 00.0
JUN 11	
SLC EP	23 11 46.5
ES	12 03.3
JUN 11	
EUR EP	23 24 29.8
JUN 12	
EUR IP	00 11 25.1
JUN 12	
FGU EP	00 17 10.3
ES	17 43.3
JUN 12	
H-00 23 04.6	
60.1N 142.9W	
h ABOUT 033KM	
SIT E(P)	00 24 22.3
COL EP	00 24 24.0
HHM E(P)	00 27 41.7
BOZ E(P)	00 28 13.0

Date and Station	Phase (GCT)
	h m s
EUR IP	00 28 42.3
TUC E(P)	00 29 55.0
JUN 12	
H-03 33 35.9	
44.1N 114.7W	
h ABOUT 015KM	
BOZ EP	03 34 17.0
I	34 20.0
IS	34 46.0
BUT EP	03 34 17.8
IS	34 41.8
HHM E(P)	03 34 44.2
I(S)	35 47.9
FGU E(P)	03 34 44.2
EUR IP	03 34 51.4
JUN 12	
BOZ E(P)	04 42 30.0
JUN 12	
H-06 43 51.5	
35.0S 111.8W	
h ABOUT 033KM	
TUC EP	06 54 42.2
E	54 50.2
BCN EP	06 55 06.5
EUR IP	06 55 27.5
BOZ EP	06 55 59.9
JUN 12	
BOZ E(P)	07 55 40.0
JUN 12	
TUC E(P)	09 13 43.0
JUN 12	
H-10 50 09.1	
02.1S 141.1E	
h ABOUT 033KM	
GUA EP	10 53 49.0
HON EP	11 00 43.0
ES	09 22.0
ESCS	10 42.0
EL	16 46.0
KIP EP	11 00 43.0
ES	09 28.0
EL	19 16.0
COL EP	11 02 36.0
EUR IP	11 03 59.6
ALQ EP'	11 08 39.0
SJP EP'	11 09 55.0
JUN 12	
GUA EP	10 53 26.0
IS	56 49.0

Date and Station	Phase (GCT)
	h m s
JUN 12	
ALQ E(P)	11 19 54.0
JUN 12	
TUC E(P)	12 41 35.0
BCN EP	12 42 31.0
JUN 12	
BCN E(P)	12 49 24.2
E	49 29.0
EL	49 57.5
JUN 12	
BCN IP C	13 12 39.7
JUN 12	
BOZ E(P)	13 32 46.0
E	32 52.0
JUN 12	
COL IP	14 22 57.3
JUN 12	
HHM EP	15 14 02.3
JUN 12	
CSC IP	15 14 52.0
I	15 30.0
JUN 12	
CSC EP	15 18 43.0
I	18 57.5
JUN 12	
HHM IP	15 53 51.9
JUN 12	
H-15 56 21.3	
11.4N 124.9E	
h ABOUT 183KM	
GUA EP	16 00 38.0
ES	04 12.0
KIP EP	16 07 42.0
COL IP	16 08 05.3
SIT E(P)	16 08 44.0
EUR EP	16 10 09.3
TUC EP'	16 14 36.0
BOZ IP'	16 14 24.0
ALQ EP'	16 14 40.0
BHP IP'D	16 15 46.0
SJP EP'	16 15 49.2
E	15 54.5
HON E	16 17 30.0
EL	31 16.0
JUN 12	
BOZ E(P)	16 14 00.0
JUN 12	
TUC IP	16 36 24.0
EL	36 43.6

Date and Station	Phase (GCT)
	h m s
ALQ E(P)	16 36 54.0
JUN 12	
H-16 44 35.4	
02.2N 083.0W	
h ABOUT 052KM	
BHP IP D	16 46 27.5
BCN EP	16 52 44.5
BOZ EP	16 53 26.0
JUN 12	
COL IP	17 18 06.0
JUN 12	
H-18 12 20.5	
26.5S 178.3E	
h ABOUT 648KM	
GUA IP	18 20 28.4
HON IP	18 20 38.4
KIP EP	18 20 39.0
BCN EP	18 24 07.5
TUC IP D	18 24 11.7
F	25 23.2
E*P	26 37.0
EUR IP	18 24 12.8
GCA EP	18 24 20.8
FGU I(P)	18 24 26.6
SLC IP	18 24 28.5
ALQ IP	18 24 31.0
E*P	26 48.0
COL IP	18 24 34.3
BOZ IP D	18 24 39.9
EPP	28 36.0
JUN 12	
EUR IP	18 36 09.7
JUN 12	
TUC EP	18 41 44.0
JUN 12	
ALQ E(P)	18 49 53.0
E	49 58.0
JUN 12	
H-18 53 34.2	
45.5N 149.9E	
h ABOUT 045KM	
COL IP	19 00 55.4
BOZ EP	19 04 07.0
EUR EP	19 04 16.8
TUC EP	19 05 03.0
ALQ E(P)	19 05 08.0

Date and Station	Phase (GCT)
	h m s
JUN 12	
HHM E(P)	19 50 49.7
I	50 58.6
I	51 57.7
JUN 12	
TUC EP	20 19 52.8
JUN 12	
ALQ E(P)	20 27 21.0
JUN 12	
ALQ E(P)	20 37 21.5
JUN 12	
GUA E(P)	20 45 05.0
JUN 12	
BOZ IP	20 50 01.0
IS	50 10.0
GCA EP	20 52 01.9
I	52 02.9
JUN 12	
ALQ E(P)	21 20 15.5
JUN 12	
GUA E(P)	21 31 57.8
JUN 12	
BCN E(P)	21 43 22.0
IL	43 59.0
JUN 12	
SLC E(P)	21 50 57.5
E	51 31.5
JUN 12	
HHM IP	21 53 05.2
I	53 26.2
JUN 12	
TUC EP	22 15 39.0
ALQ E(P)	22 15 59.0
JUN 12	
EUR IP	22 22 01.0
JUN 12	
EUR EP	22 45 05.6
JUN 12	
H-22 47 47.2	
6.6S 154.7E	
h ABOUT 080KM	
COL EP	23 00 02.0
EUR IP	23 00 56.8
BCN EP	23 01 00.5
JUN 12	
BOZ EP	22 57 19.0
FGU IP	22 57 17.1
E(S)	57 41.4
JUN 12	
COL IP	23 00 23.2

Date and Station	Phase (GCT)
	h m s
JUN 12	
HHM IP	23 06 40.4
JUN 12	
TUC EP	23 48 43.8
JUN 13	
GCA EP	00 30 40.2
I	30 45.4
JUN 13	
UKI E(P)	00 43 28.0
EL	43 51.6
EUR EP	00 44 15.9
JUN 13	
H-01 13 31.9	
58.8N 149.9W	
h ABOUT 033KM	
COL EP	01 15 02.0
I	15 09.5
JUN 13	
SLC E(P)	01 27 57.0
ES	28 12.0
FGU EP	01 28 17.3
ES	28 42.5
EUR IP	01 28 39.6
JUN 13	
COL EP	02 15 56.0
JUN 13	
H-02 46 27.3	
56.5N 153.2W	
h ABOUT 033KM	
COL EP	02 48 33.0
JUN 13	
HHM E(P)	03 03 04.1
JUN 13	
COL EP	03 11 18.0
JUN 13	
EUR EP	04 02 49.0
JUN 13	
COL EP	04 10 02.0
I	10 08.0
ALQ IP	04 15 45.0
E	15 54.0
JUN 13	
H-04 20 53.5	
53.6N 172.1E	
h ABOUT 033KM	
COL IP	04 25 58.2
ES	30 12.0
HHM IP	04 29 06.4
BOZ IP C	04 29 29.5
ES	36 20.0
EUR IP	04 29 41.6

Date and Station	Phase (GCT)
	h m s
FGU E(P)	04 29 52.4
BCN EP	04 30 04.3
GCA E(P)	04 30 18.7
TUC EP C	04 30 40.2
CSC EP	04 32 17.0
JUN 13	
H-05 04 23.5	
01.9S 141.2E	
h ABOUT 033KM	
GUA EP	05 08 05.0
JUN 13	
SJP EP	05 24 10.5
JUN 13	
COL EP	05 59 33.0
JUN 13	
TUC EP	07 11 42.5
JUN 13	
EUR EP	07 33 18.5
JUN 13	
TUC EP	07 53 28.7
ALQ E(P)	07 53 30.0
EUR EP	07 54 15.0
HHM IP	07 54 46.6
JUN 13	
GUA IP	08 01 52.0
ES	05 56.0
JUN 13	
COL EP	08 10 39.0
JUN 13	
SJP EP	08 17 58.2
E	18 15.5
JUN 13	
EUR EP	08 23 24.7
JUN 13	
H-08 23 45.6	
10.0N 093.0E	
h ABOUT 033KM	
BOZ EP'	08 42 35.5
ALQ IP'	08 42 58.5
E	43 18.0
TUC EP'	08 42 59.7
JUN 13	
H-08 27 32.0	
46.2N 153.3E	
h ABOUT 029KM	
COL IP	08 34 36.8
BOZ EP	08 37 51.0
EUR EP	08 38 00.8

Date and Station	Phase (GCT)
	h m s
BCN E(P)	08 38 18.8
TUC E(P)	08 38 50.6
JUN 13	
H-08 28 38.7	
46.4N 153.3E	
h ABOUT 033KM	
COL IP	08 35 42.0
E	35 48.0
KIP EP	08 37 02.0
HHM IP	08 38 53.1
BOZ IP	08 38 57.0
EUR IP	08 39 06.7
GCA EP	08 39 27.1
BCN EP	08 39 27.3
TUC E(P)	08 39 55.5
ALQ IP	08 40 01.5
E	40 32.0
JUN 13	
BCN EP	08 38 50.2
E	39 01.5
JUN 13	
ALQ IP	08 46 18.0
E	18 46 49.0
TUC EP	08 46 19.3
JUN 13	
BCN IP C	09 12 03.8
EUR EP	09 13 00.1
JUN 13	
TUC E(P)	09 18 50.6
JUN 13	
H-11 14 26.5	
27.3S 178.0W	
h ABOUT 034KM	
TUC EP	11 27 11.1
EUR EP	11 27 15.5
ALQ E(P)	11 27 32.0
E	27 39.0
BOZ EP	11 27 43.2
E	27 55.0
HON E	11 31 14.0
EL	36 06.0
JUN 13	
TUC E(P)	12 08 16.5
JUN 13	
TUC EP	12 17 13.0

Date and Station	Phase	Phase (GCT) h m s
JUN 13		
H-14 01 40.2		
3.9S 154.3E		
h ABOUT 474KM		
GUA	EP	14 05 39.0
KIP	IP	14 10 13.4
COL	IP	14 13 01.8
	IpP	14 44.3
EUR	IP	14 14 00.6
BCN	EP	14 14 04.3
	EpP	15 49.0
HHM	IP	14 14 07.6
BOZ	EP	14 14 15.0
	EpP	16 05.0
JUN 13		
BCN	EP	14 12 00.6
TUC	E(P)	14 12 39.0
JUN 13		
BCN	EP	14 17 53.0
TUC	E(P)	14 18 16.3
JUN 13		
SJP	EP	14 23 04.2
JUN 13		
HHM	E(P)	16 40 55.7
	I	54 10.1
JUN 13		
TUC	EP	17 35 30.0
JUN 13		
H-17 35 57.8		
23.0N 094.0E		
h ABOUT 061KM		
COL	IP	17 48 04.1
BOZ	EP'	17 54 13.0
EUR	EP'	17 54 29.1
ALQ	EP'	17 54 43.0
TUC	EP'	17 54 44.0
JUN 13		
ALQ	E(P)	17 44 52.0
	E	45 32.0
JUN 13		
BOZ	IP	17 47 06.2
	IS	47 15.0
JUN 13		
HHM	E(P)	17 53 55.6
JUN 13		
BOZ	IP	18 16 21.9
	IS	16 31.0
JUN 13		
COL	IP	18 35 42.5
JUN 13		
BHP	EP	18 45 23.0
JUN 13		
H-18 43 04.2		
6.8N 073.0W		
h ABOUT 155KM		
BOZ	EP	18 51 52.0
	EpP	52 28.0
JUN 13		
EUR	EP	19 10 07.1
JUN 13		
COL	IP	19 30 25.8
JUN 13		
SJP	IP D	19 51 01.1
	IS	51 13.1
JUN 13		
BOZ	E(P)	19 58 29.0
JUN 13		
H-20 42 17.7		
46.4N 153.3E		
h ABOUT 051KM		
COL	EP	20 49 18.0
BOZ	EP	20 52 33.8
EUR	IP	20 52 43.3
BCN	EP	20 53 02.0
	EpP	53 14.0
TUC	E(P)	20 53 32.6
JUN 13		
ALQ	E(P)	20 59 26.0
JUN 13		
BCN	IP	21 04 19.0
JUN 13		
BCN	IP	21 05 23.8
JUN 13		
EUR	EP	22 27 14.5
JUN 13		
H-22 31 53.5		
27.6S 178.3W		
h ABOUT 094KM		
TUC	EP	22 44 31.8
	E	44 39.0
BCN	EP	22 44 32.0
EUR	IP	22 44 35.5
GCA	E(P)	22 44 47.3
FGU	E(P)	22 44 49.6
ALQ	E(P)	22 44 50.0
BOZ	EP	22 45 07.0
COL	EP	22 45 08.0
HON	ES	22 48 28.0
	E	49 21.0
	E	52 08.0
	EL	53 02.0
JUN 13		
SLC	EP	22 34 20.5
FGU	IP C	22 34 43.1
	E(S)	35 12.6
JUN 13		
CSC	E(P)	22 35 45.0
JUN 13		
BCN	E(P)	22 59 20.0
	EL	23 00 14.3
JUN 13		
SLC	E(P)	23 03 53.8
JUN 13		
CSC	E(P)	23 21 07.0
JUN 13		
COL	IP	23 27 11.5
JUN 13		
H-23 23 04.0		
59.2N 136.8W		
h ABOUT 033KM		
SIT	EP	23 23 37.9
COL	EP	23 24 56.0
BOZ	EP	23 27 40.9
	E	33 00.0
FGU	EP	23 28 28.5
TUC	EP	23 29 30.2
JUN 13		
FGU	EP	23 29 16.5
JUN 13		
HHM	EP	23 32 01.4
TUC	EP	23 32 35.0
JUN 13		
H-23 46 44.5		
19.3S 176.5W		
h ABOUT 285KM		
BCN	EP	23 58 25.2
EUR	EP	23 58 30.2
TUC	IP C	23 58 31.0
ALQ	EP	23 58 53.0
BOZ	EP	23 59 00.0
JUN 14		
GCA	EP	00 04 23.8
JUN 14		
H-00 56 56.8		
48.2N 154.3E		
h ABOUT 040KM		
COL	IP	01 03 42.8
EUR	IP	01 07 13.5
BCN	EP	01 07 33.5
	EpP	07 45.0
TUC	EP	01 08 04.5
	EpP	08 17.0
ALQ	IP	01 08 09.0
	EpP	08 21.0
JUN 14		
COL	EP	01 11 57.0
JUN 14		
H-01 19 57.7		
27.5S 177.5W		
h ABOUT 033KM		
TUC	EP	01 32 41.5
BCN	E(P)	01 32 44.5
EUR	EP	01 32 45.7
ALQ	E(P)	01 33 07.5
BOZ	E(P)	01 33 16.0
JUN 14		
EUR	IP	01 46 44.8
JUN 14		
H-01 46 52.4		
48.8N 128.4W		
h ABOUT 033KM		
BOZ	EP	01 49 41.0
TUC	E(P)	01 51 37.5
JUN 14		
GCA	E(P)	02 13 46.0
JUN 14		
TUC	EP	03 39 12.4
BCN	EP	03 39 43.5
	E	40 04.3
	E	41 19.0
GCA	E(P)	03 39 55.2
EUR	EP	03 40 39.1
JUN 14		
ALQ	E(P)	04 38 13.0
JUN 14		
TUC	E(P)	04 45 26.6
JUN 14		
GUA	E(P)	05 20 02.0
JUN 14		
TUC	EP	05 26 23.6

Date and Station	Phase (GCT)
	h m s
JUN 14	
ALQ E(P)	05 54 20.0
JUN 14	
COL EP	06 33 35.0
ALQ E(P)	06 40 49.0
JUN 14	
TUC E(P)	07 54 49.7
JUN 14	
COL EP	08 19 00.0
JUN 14	
BCN EP	09 40 02.0
EUR EP	09 40 06.7
TUC EP	09 40 07.0
ALQ E(P)	09 40 27.0
JUN 14	
H-12 15 31.3	
38.0N 038.5E	
h ABOUT 008KM	
COL IP	12 27 28.2
WAS EP	12 28 05.0
E	30 39.0
HHM IP	12 28 35.9
BOZ EP D	12 28 45.0
EUR IP	12 29 16.8
ALQ E(P)	12 29 21.5
BCN EP	12 29 31.0
EPP	33 41.0
TUC EP	12 29 39.7
E	29 45.6
JUN 14	
H-12 38 03.7	
38.1N 038.3E	
h ABOUT 031KM	
HHM IP	12 51 05.5
JUN 14	
COL EP	12 46 46.0
JUN 14	
TUC EP	12 58 54.5
JUN 14	
TUC E(P)	14 22 26.0
JUN 14	
TUC EP	15 38 50.0
COL IP	15 39 13.8
BOZ EP	15 39 19.0
JUN 14	
HHM E(P)	16 42 55.9
I	43 04.4

Date and Station	Phase (GCT)
	h m s
JUN 14	
H-17 20 17.5	
56.7N 152.1W	
h ABOUT 033KM	
COL IP	17 22 20.5
JUN 14	
H-19 27 59.4	
06.8S 129.8E	
h ABOUT 081KM	
ALQ EP'	19 46 46.0
JUN 14	
ALQ E(P)	20 30 53.0
JUN 14	
BCN IP D	20 52 28.0
IS	52 44.0
EUR EP	20 53 16.5
TUC E(P)	20 53 46.0
JUN 14	
COL EP	21 01 52.0
BCN E(P)	21 05 22.5
JUN 14	
ALQ EP	21 21 56.8
E	23 11.0
JUN 14	
HHM IP	21 37 37.6
JUN 14	
BCN E(P)	21 47 57.2
EL	48 44.5
EUR EP	21 48 34.4
JUN 14	
SLC E(P)	22 29 46.2
JUN 14	
EUR IP	22 30 43.5
JUN 14	
COL IP	22 57 40.2
JUN 14	
H-23 56 29.9	
56.1S 025.0W	
h ABOUT 033KM	
HHM IP'	24 15 31.1
COL IP'	24 16 19.8
JUN 15	
FGU EP	00 02 36.6
JUN 15	
H-00 05 31.1	
05.4N 097.0E	
h ABOUT 033KM	
GUA EP	00 14 11.0
HHM EP'	00 24 20.7
FGU EP'	00 24 23.4

Date and Station	Phase (GCT)
	h m s
BOZ EP'	00 24 25.0
EPP	26 10.0
EUR IP'	00 24 31.8
ALQ EP'	00 24 36.5
E	24 50.5
E	29 09.0
GCA EP'	00 24 38.8
BCN EP'	00 24 40.0
EPP	26 48.0
TUC EP'	00 24 48.7
EPP	27 27.0
CSC EP'	00 24 58.0
SJP EP'	00 25 23.5
BHP IP'C	00 25 27.0
WAS E	00 25 47.0
E	27 47.0
HON E	00 32 54.0
E	38 15.0
EL	48 10.0
KIP E	00 38 18.0
EL	48 06.0
JUN 15	
BOZ E(P)	01 27 24.0
EUR EP	01 27 30.0
JUN 15	
H-02 05 37.1	
17.4S 174.9W	
h ABOUT 148KM	
TUC EP	02 17 24.8
E	18 11.8
ALQ IP	02 17 49.0
E	18 36.0
COL IP	02 17 55.2
BOZ IP	02 17 56.0
JUN 15	
GCA EP	02 18 20.8
BOZ EP	02 18 42.5
COL IP	02 18 43.5
JUN 15	
EUR EP	03 32 42.3
JUN 15	
COL IP	04 22 04.5
JUN 15	
EUR EP	05 52 10.4
JUN 15	
EUR EP	06 24 51.3
JUN 15	
COL EP	07 14 39.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	07 17 51.0
JUN 15	
TUC EP	07 25 03.2
ALQ EP	07 25 05.0
JUN 15	
TUC EP	07 40 42.2
JUN 15	
COL IP	09 10 36.6
BOZ EP	09 13 55.8
EUR IP	09 14 07.0
JUN 15	
H-09 28 03.8	
56.7N 151.6W	
h ABOUT 033KM	
COL EP	09 30 05.0
JUN 15	
H-09 41 24.2	
12.6N 088.3W	
h ABOUT 056KM	
ALQ EP	09 47 10.0
TUC EP	09 47 20.4
BOZ IP	09 48 42.0
JUN 15	
TUC E(P)	10 06 21.0
JUN 15	
H-10 53 06.7	
40.1N 138.5E	
h ABOUT 015KM	
COL IP	11 01 45.3
HHM IP	11 04 26.5
BOZ IP	11 04 43.6
EUR IP	11 04 53.6
FGU I(P)	11 04 55.7
BCN EP	11 05 10.3
E	05 16.6
E	05 20.5
TUC EP	11 05 36.1
ALQ IP	11 05 40.0
E	05 45.0
JUN 15	
H-12 01 32.8	
37.4N 114.7W	
h ABOUT 030KM	
BCN IP D	12 01 58.2
IL	02 19.0
EUR IP	12 02 09.3

Date and Station	Phase	(GCT) h m s
GCA	EP	12 02 13.3
	I	02 15.9
	IS	02 46.1
FGU	I(P)	12 02 42.4
SLC	E(P)	12 02 45.7
TUC	EP	12 03 01.8
	E	03 21.4
	EL	04 38.6
ALQ	E(P)	12 03 17.0
	E	03 35.0
	E	03 42.0
	E	05 11.0
JUN 15		
BOZ	E(P)	12 04 01.0
JUN 15		
CSC	IP	14 14 44.0
	E	15 37.0
	E	16 30.0
JUN 15		
EUR	EP	15 28 35.6
JUN 15		
EUR	IP	16 04 49.7
JUN 15		
H-16 13 31.5		
59.1N 144.6W		
h ABOUT 033KM		
COL	EP	16 15 01.0
BOZ	E(P)	16 18 41.0
ALQ	E(P)	16 20 21.0
JUN 15		
HHM	E(P)	16 17 47.8
JUN 15		
H-16 27 09.9		
45.4N 149.8E		
h ABOUT 053KM		
COL	IP	16 34 30.5
HHM	EP	16 37 23.5
BOZ	IP	16 37 42.9
	IpP	37 56.0
EUR	IP	16 37 52.6
ALQ	E(P)	16 38 45.0
JUN 15		
ALQ	E(P)	16 39 09.0
JUN 15		
HHM	IP	16 58 41.6
	I	58 48.3
JUN 15		
GCA	EP	17 54 21.6
JUN 15		
HHM	E(P)	18 03 37.1
JUN 15		
BOZ	EP	18 08 04.0
JUN 15		
FGU	E(P)	18 09 37.6
	ES	09 56.3
JUN 15		
ALQ	E(P)	18 44 22.5
	E	45 16.0
JUN 15		
COL	IP	19 28 06.7
JUN 15		
H-20 19 14.7		
58.8N 150.3W		
h ABOUT 033KM		
COL	IP	20 20 45.9
HHM	E(P)	20 24 23.6
JUN 15		
ALQ	E(P)	20 25 38.0
JUN 15		
HHM	E(P)	21 38 13.2
JUN 15		
ALQ	E(P)	21 49 04.0
JUN 15		
FGU	E(P)	21 53 15.5
JUN 15		
COL	IP	22 02 53.7
JUN 15		
FGU	IP D	22 11 34.6
JUN 15		
EUR	IP	22 22 41.0
JUN 15		
EUR	EP	22 32 11.1
JUN 15		
H-22 53 04.5		
62.1N 064.9W		
h ABOUT 033KM		
HHM	E(P)	22 59 15.0
JUN 15		
BOZ	E(P)	22 59 06.0
JUN 15		
FGU	E(P)	23 02 47.1
JUN 15		
BOZ	E(P)	23 05 42.0
HHM	E(P)	23 06 07.2
	IL	08 41.0
JUN 15		
CSC	EP	23 08 30.0
JUN 15		
FGU	E(P)	23 07 28.6
JUN 15		
ALQ	E(P)	23 11 14.0
JUN 15		
GCA	EP	23 36 32.3
JUN 15		
TUC	EP	23 37 54.0
JUN 16		
ALQ	E(P)	00 29 11.0
JUN 16		
TUC	E(P)	03 27 07.5
JUN 16		
COL	EP	03 45 43.0
JUN 16		
H-04 01 44.3		
38.3N 139.1E		
h ABOUT 057KM		
GUA	EP	04 07 05.5
COL	EP	04 10 25.0
	ES	17 36.0
KIP	EP	04 11 18.0
	IS	19 08.0
	EL	24 20.0
HON	EP	04 11 20.0
	ES	19 24.0
	ESCS	21 06.0
	EL	24 52.0
SIT	IP	04 11 24.0
	IS	19 28.0
HHM	IP	04 13 03.7
	IpP	13 15.0
UKI	EP	04 13 06.0
BUT	EP	04 13 15.6
	I	13 19.6
BOZ	EP C	04 13 21.0
	IpP	13 33.5
	IsP	13 39.0
EUR	IP	04 13 29.0
FGU	E(P)	04 13 31.5
	I	13 34.1
	I(pP)	13 40.1
SLC	IP	04 13 40.7
	I	13 56.2
	I	14 08.2
BCN	IP C	04 13 46.0
	IPP	16 54.5
	ES	24 07.0
	E	25 45.0
	EP'P'	40 42.5
GCA	EP	04 13 51.7
	I	13 54.5
TUC	IP C	04 14 11.1
	E	14 17.2
ALQ	EP	04 14 15.5
CHK	E(P)	04 14 21.0
PHI	E(P)	04 15 14.0
CSC	EP	04 15 22.0
	E	15 39.0
	EPP	19 31.0
SJP	EP'	04 20 31.0
JUN 16		
CHK	E(P)	04 09 13.0
JUN 16		
PHI	E(P)	04 14 44.0
JUN 16		
BHP	IP	04 17 10.0
JUN 16		
H-04 17 38.0		
38.9N 139.1E		
h ABOUT 013KM		
COL	EP	04 26 23.0
HHM	IP	04 29 02.5
	I	29 08.5
BOZ	EP C	04 29 22.0
FGU	I(P)	04 29 30.5
BCN	IP	04 29 51.2
GCA	EP	04 29 51.2
TUC	EP	04 30 09.7
JUN 16		
BCN	EP	04 26 44.0
JUN 16		
H-04 35 30.2		
38.5N 138.7E		
h ABOUT 033KM		
COL	IP	04 44 14.3
HHM	EP	04 46 52.5
BCN	EP	04 47 35.5
TUC	EP	04 48 00.7
JUN 16		
GCA	E(P)	04 40 13.7
JUN 16		
COL	EP	04 40 39.7
JUN 16		
H-04 40 45.2		
38.3N 138.7E		
h ABOUT 033KM		
COL	EP	04 49 31.0
HHM	EP	04 52 09.5
BCN	EP	04 52 51.7
TUC	EP	04 53 17.0
JUN 16		
HHM	EP	04 43 16.3

Date and Station	Phase (GCT)
	h m s
BCN EP	04 43 59.0
JUN 16	
H-04 46 37.9	
39.0N 139.1E	
h ABOUT 033KM	
COL IP	04 55 19.3
HHM EP	04 57 58.5
BCN EP	04 58 41.2
E	58 51.2
TUC EP	04 59 06.1
ALQ E(P)	04 59 11.0
JUN 16	
H-04 50 33.1	
39.0N 139.0E	
h ABOUT 033KM	
COL EP	04 59 14.5
JUN 16	
COL EP	04 50 57.0
BCN EP	04 54 19.0
TUC EP	04 54 44.0
JUN 16	
H-04 53 08.8	
38.5N 138.7E	
h ABOUT 020KM	
COL IP	05 01 55.5
HHM EP	05 04 34.0
TUC EP	05 05 41.8
JUN 16	
H-04 55 46.8	
38.3N 138.7E	
h ABOUT 018KM	
COL EP	05 04 35.9
JUN 16	
H-04 58 46.0	
38.7N 138.9E	
h ABOUT 033KM	
COL IP	05 07 29.2
HHM IP	05 10 08.3
BOZ EP	05 10 25.5
BCN EP	05 10 54.0
TUC EP	05 11 16.0
JUN 16	
BCN EP	05 00 45.5
JUN 16	
H-05 11 35.7	
39.0N 139.0E	
h ABOUT 033KM	
COL EP	05 20 17.5

Date and Station	Phase (GCT)
	h m s
BOZ EP	05 23 14.0
BCN EP	05 23 39.0
TUC EP	05 24 04.5
JUN 16	
H-05 22 09.3	
38.7N 139.1E	
h ABOUT 015KM	
COL EP	05 30 54.0
HHM IP	05 33 33.7
BOZ EP	05 33 51.0
BCN IP	05 34 16.0
I	34 19.2
TUC EP	05 34 41.5
JUN 16	
H-05 37 53.0	
38.8N 138.9E	
h ABOUT 033KM	
COL EP	05 46 36.1
HHM E(P)	05 49 14.5
BOZ EP	05 49 32.2
TUC EP	05 50 22.0
JUN 16	
H-05 39 24.5	
38.8N 139.0E	
h ABOUT 035KM	
COL IP	05 48 06.5
HHM IP	05 50 45.9
BUT IP	05 50 58.1
BOZ IP C	05 51 03.1
BCN EP	05 51 28.0
E	51 34.0
TUC EP	05 51 53.0
JUN 16	
H-05 46 37.8	
38.5N 138.9E	
h ABOUT 033KM	
COL IP	05 55 21.7
HHM EP	05 58 00.7
BOZ EP	05 58 18.0
FGU E(P)	05 58 29.1
BCN EP	05 58 43.0
TUC EP	05 59 08.0
ALQ E(P)	05 59 13.0
JUN 16	
BOZ EP	05 48 51.0

Date and Station	Phase (GCT)
	h m s
JUN 16	
BOZ EP	05 59 01.1
JUN 16	
COL EP	06 08 44.0
BOZ EP	06 11 40.0
TUC EP	06 12 30.2
JUN 16	
H-06 17 07.8	
38.4N 138.9E	
h ABOUT 028KM	
COL IP	06 25 53.6
HHM EP	06 28 32.2
BUT E(P)	06 28 46.0
BOZ EP	06 28 49.8
EUR IP	06 28 57.4
FGU E(P)	06 29 00.6
BCN EP	06 29 14.4
TUC EP	06 29 38.6
ALQ E(P)	06 29 44.0
JUN 16	
H-06 33 29.9	
38.6N 138.5E	
h ABOUT 033KM	
COL EP	06 42 15.1
JUN 16	
H-06 52 20.5	
36.7N 134.8E	
h ABOUT 033KM	
COL EP	07 01 32.3
JUN 16	
H-06 53 05.0	
38.7N 139.0E	
h ABOUT 015KM	
GUA EP	06 58 35.1
COL IP	07 01 50.0
KIP IP	07 02 46.2
SIT EP	07 02 47.6
HHM IP	07 04 29.7
UKI E(P)	07 04 30.0
BUT EP	07 04 41.6
BOZ IP C	07 04 46.8
EUR IP	07 04 55.0
SLC IP	07 05 04.6
BCN EP	07 05 12.3

Date and Station	Phase (GCT)
	h m s
GCA EP	07 05 18.7
TUC IP C	07 05 37.2
E	05 41.4
JUN 16	
H-07 09 00.7	
38.3N 139.0E	
h ABOUT 033KM	
COL EP	07 17 45.4
HHM E(P)	07 20 29.0
BOZ EP	07 20 40.0
BCN E(P)	07 21 05.5
TUC EP	07 21 31.0
JUN 16	
HHM EP	07 14 46.7
BOZ EP	07 15 04.0
TUC E(P)	07 15 51.0
JUN 16	
COL EP	07 17 01.6
JUN 16	
H-07 14 57.1	
38.5N 139.2E	
h ABOUT 016KM	
GUA EP	07 20 23.3
COL IP	07 23 43.5
KIP IP	07 24 37.5
SIT EP	07 24 41.8
HHM I(P)	07 26 17.0
UKI E(P)	07 26 22.6
BUT EP	07 26 31.6
I	26 33.6
BOZ IP	07 26 39.0
EUR IP	07 26 47.5
FGU E(P)	07 26 49.5
I	26 50.6
SLC IP	07 26 57.2
BCN IP C	07 27 04.0
GCA EP	07 27 10.7
TUC IP C	07 27 29.4
F	29 52.5
JUN 16	
H-07 17 21.5	
38.8N 139.1E	
h ABOUT 020KM	
COL IP	07 26 04.2
HHM EP	07 28 48.3

Date and Station	Phase	(GCT) h m s
BOZ	IP	07 29 02.0
EUR	IP	07 29 08.7
BCN	EP D	07 29 27.9
TUC	EP	07 29 50.8
JUN 16		
H-07 27 40.3		
38.9N 139.0E		
h ABOUT 015KM		
COL	EP	07 36 26.0
HHM	E(P)	07 39 02.0
BOZ	EP	07 39 20.0
BCN	EP	07 39 46.8
TUC	EP	07 40 11.9
JUN 16		
H-07 51 10.4		
38.4N 138.9E		
h ABOUT 015KM		
COL	IP	07 59 58.2
HHM	EP	08 02 37.0
BOZ	EP	08 02 53.5
EUR	IP	08 03 02.4
FGU	E(P)	08 03 04.9
BCN	EP	08 03 19.0
	E	03 22.5
TUC	EP	08 03 44.0
JUN 16		
FGU	E(P)	07 55 59.2
	IS	56 13.2
JUN 16		
H-08 34 08.7		
22.0S 175.8W		
h ABOUT 033KM		
BCN	EP	08 46 26.2
	E	46 45.0
TUC	EP	08 46 30.0
EUR	IP	08 46 32.2
GCA	E(P)	08 46 39.1
COL	EP	08 47 02.0
BOZ	E(P)	08 47 05.8
JUN 16		
H-09 00 41.6		
20.0S 170.2E		
h ABOUT 033KM		
COL	EP	09 13 39.4
JUN 16		
H-09 10 22.1		
38.4N 139.1E		
h ABOUT 033KM		
COL	EP	09 19 06.0
BOZ	EP	09 22 02.0
EUR	IP	09 22 10.2
BCN	EP	09 22 26.7
	E	22 32.0
TUC	EP	09 22 52.3
JUN 16		
BOZ	EP	09 21 46.5
JUN 16		
COL	IP	09 22 24.6
BOZ	EP	09 22 45.2
	E	22 50.5
JUN 16		
COL	EP	09 31 10.0
JUN 16		
COL	EP	09 37 07.0
JUN 16		
H-09 56 46.1		
17.3S 178.7W		
h ABOUT 502KM		
BCN	EP	10 08 06.0
	E	08 11.5
EUR	IP	10 08 10.0
TUC	EP	10 08 12.7
GCA	EP	10 08 20.2
COL	IP	10 08 26.5
BOZ	EP	10 08 38.5
JUN 16		
COL	IP	10 15 24.7
JUN 16		
COL	EP	10 17 02.4
JUN 16		
H-10 23 39.7		
61.2N 146.8W		
h ABOUT 040KM		
COL	EP	10 24 37.0
HHM	IP	10 28 39.0
BOZ	EP	10 29 08.0
BCN	EP	10 30 07.2
	E>P	30 18.5
TUC	EP	10 30 48.7
JUN 16		
BOZ	EP	10 28 52.0
EUR	EP	10 29 02.9
JUN 16		
HHM	EP	10 31 35.5
JUN 16		
H-11 11 17.4		
38.8N 138.7E		
h ABOUT 033KM		
BCN	EP	11 23 22.0
JUN 16		
H-11 16 03.1		
02.0S 141.1E		
h ABOUT 013KM		
GUA	EP	11 19 50.5
COL	EP	11 28 33.0
JUN 16		
H-11 43 05.6		
38.6N 138.8E		
h ABOUT 015KM		
COL	IP	11 51 53.2
HHM	EP	11 54 31.7
BOZ	EP	11 54 49.5
EUR	IP	11 54 54.2
BCN	EP	11 55 14.0
TUC	EP	11 55 39.7
JUN 16		
COL	EP	12 00 51.0
JUN 16		
H-12 14 50.7		
38.4N 138.3E		
h ABOUT 033KM		
COL	EP	12 23 38.3
BOZ	EP	12 26 33.0
	E	26 35.5
BCN	EP	12 26 58.0
TUC	E(P)	12 27 22.8
JUN 16		
COL	EP	12 17 40.2
JUN 16		
H-13 33 59.7		
38.9N 138.5E		
h ABOUT 033KM		
COL	EP	13 42 43.2
JUN 16		
HHM	EP	13 56 25.6
	I	56 34.1
JUN 16		
COL	EP	14 01 10.7
JUN 16		
BCN	EP	14 15 06.2
COL	EP	14 18 07.0
JUN 16		
H-15 08 23.5		
38.7N 138.4E		
h ABOUT 033KM		
COL	EP	15 17 08.4
BOZ	EP	15 20 04.2
EUR	EP	15 20 12.8
TUC	E(P)	15 20 54.0
JUN 16		
BOZ	IP	15 27 05.0
	I	27 37.0
JUN 16		
FGU	E(P)	16 31 54.3
JUN 16		
CSC	E(P)	16 44 33.0
ALQ	E(P)	16 49 17.0
JUN 16		
GCA	EP	16 59 54.4
JUN 16		
GUA	EP	17 08 18.0
JUN 16		
H-17 08 30.8		
15.6N 147.2E		
h ABOUT 033KM		
GUA	E(P)	17 09 16.5
HHM	EP	17 21 00.6
EUR	EP	17 21 06.2
BOZ	EP	17 21 12.0
FGU	E(P)	17 21 13.7
TUC	EP	17 21 36.6
JUN 16		
GCA	EP	17 56 40.6
	I	56 41.5
	IS	56 45.0
EUR	IP	17 56 40.7
JUN 16		
HHM	E(P)	18 25 50.2
	I	26 27.8
JUN 16		
COL	EP	18 30 14.0
JUN 16		
H-18 26 08.8		
38.4N 138.9E		
h ABOUT 009KM		
COL	IP	18 34 56.5
HHM	E(P)	18 37 35.1
EUR	IP	18 38 01.7

Date and Station	Phase (GCT)
	h m s
TUC EP	18 38 43.5
ALQ IP	18 38 48.5
E	38 54.0
JUN 16	
COL EP	18 38 14.0
JUN 16	
GCA EP	18 51 36.0
JUN 16	
ALQ E(P)	19 03 46.0
HHM EP	19 05 28.2
JUN 16	
HHM IP	19 08 43.1
JUN 16	
EUR IP	19 30 16.8
JUN 16	
GCA E(P)	19 35 22.2
JUN 16	
H-19 54 46.5	
19.6N 066.8W	
h ABOUT 030KM	
SJP IP C	19 55 09.0
IS	55 24.5
CSC IP	19 59 10.0
TUC EP	20 02 31.0
BOZ EP	20 03 02.0
HHM EP	20 03 20.6
COL IP	20 05 48.0
JUN 16	
GCA EP	19 59 48.8
JUN 16	
GCA EP	20 05 59.3
JUN 16	
COL EP	20 06 32.0
JUN 16	
COL EP	21 18 09.0
JUN 16	
COL IP	21 23 58.5
I	24 11.4
JUN 16	
SLC EP	22 01 48.9
EL	02 18.4
FGU EP	22 02 08.9
E(S)	02 39.9
JUN 16	
H-22 03 14.3	
15.3S 172.8W	
h ABOUT 033KM	
TUC EP	22 15 01.0
GCA EP	22 15 10.1

Date and Station	Phase (GCT)
	h m s
BOZ EP	22 15 32.0
COL IP	22 15 34.2
JUN 16	
GCA EP	22 21 50.9
I	21 52.1
IS	21 54.3
JUN 16	
FGU EP	22 26 43.4
ES	27 02.2
JUN 16	
GCA EP	22 29 26.8
JUN 16	
COL EP	22 35 54.0
JUN 16	
FGU EP	23 00 59.4
ES	01 11.9
JUN 16	
SLC E(P)	23 05 22.9
E	05 39.0
JUN 16	
SLC E(P)	23 07 39.6
JUN 16	
TUC E(P)	23 37 30.0
JUN 16	
COL EP	23 46 09.0
JUN 16	
TUC E(P)	23 56 29.0
JUN 17	
ALQ E(P)	01 00 22.5
JUN 17	
BOZ EP	02 25 39.0
JUN 17	
HHM EP	05 11 27.7
JUN 17	
COL IP	05 44 10.0
BOZ EP	05 47 58.5
JUN 17	
H-06 04 48.1	
16.7N 100.0W	
h ABOUT 033KM	
ALQ IP	06 09 10.0
FGU E(P)	06 10 01.5
BOZ EP	06 11 00.0
JUN 17	
BHP IP	06 39 01.0
IS	40 06.0
JUN 17	
BOZ EP	06 50 00.0

Date and Station	Phase (GCT)
	h m s
JUN 17	
H-07 12 08.2	
38.4N 138.3E	
h ABOUT 033KM	
COL IP	07 20 54.7
BOZ EP	07 23 51.5
EUR EIP	07 23 58.9
JUN 17	
COL EP	07 22 58.6
BOZ IP	07 25 43.3
I	25 46.8
EUR EP	07 25 51.0
JUN 17	
H-07 48 58.5	
19.6S 169.0E	
h ABOUT 058KM	
EUR EP	08 01 59.9
TUC EP	08 02 03.8
E	02 10.7
BOZ E(P)	08 02 17.9
E	02 37.0
JUN 17	
H-09 11 42.0	
12.0N 087.2W	
h ABOUT 033KM	
TUC E(P)	09 17 52.5
BOZ IP	09 19 13.0
JUN 17	
TUC E(P)	09 50 31.0
JUN 17	
GUA EP	09 52 46.0
JUN 17	
ALQ EP	09 58 01.0
JUN 17	
HHM EP	10 04 31.5
JUN 17	
FGU EP	10 19 17.9
JUN 17	
COL EP	10 39 42.0
JUN 17	
H-10 59 27.2	
60.1N 149.5W	
h ABOUT 072KM	
COL IP	11 00 39.6
BOZ EP	11 05 01.0
TUC EP	11 06 37.3
JUN 17	
BOZ E(P)	11 47 00.0

Date and Station	Phase (GCT)
	h m s
JUN 17	
COL IP	13 09 40.0
JUN 17	
TUC E(P)	13 32 16.8
JUN 17	
EUR EP	13 38 09.4
JUN 17	
ALQ E(P)	13 46 42.0
JUN 17	
EUR IP	14 21 07.0
HHM EP	14 22 06.9
JUN 17	
H-15 10 44.3	
38.7N 139.0E	
h ABOUT 027KM	
COL IP	15 19 27.5
EUR IP	15 22 32.6
TUC EP	15 23 14.6
ALQ EP	15 23 18.0
E	23 31.0
JUN 17	
COL IP	15 22 46.0
JUN 17	
BOZ IP	15 37 25.0
I	37 29.0
JUN 17	
COL IP	15 40 00.8
EUR IP	15 40 35.6
JUN 17	
BOZ IP	15 42 58.1
IPP	43 03.0
JUN 17	
ALQ E(P)	16 08 30.0
E	09 10.0
JUN 17	
TUC EP	16 22 58.3
EL	23 18.2
JUN 17	
BOZ EP	16 23 01.0
E	26 51.0
JUN 17	
BOZ E(P)	16 43 36.0
JUN 17	
BOZ EP	16 44 19.0
JUN 17	
COL EP	17 59 14.0
JUN 17	
TUC E(P)	18 19 10.0
JUN 17	
TUC E(P)	18 23 30.0

Date and Station	Phase	Phase (GCT) h m s
JUN 17		
HHM	IP	18 40 45.9
JUN 17		
GCA	IP	20 14 22.4
JUN 17		
BHP	IP	20 18 12.5
	IS	18 33.5
JUN 17		
BOZ	EP	20 39 39.5
JUN 17		
BOZ	EP	20 49 54.0
JUN 17		
FGU	E(P)	21 32 58.0
	E(S)	33 13.8
JUN 17		
GCA	E(P)	21 43 56.3
JUN 17		
GCA	EP	21 47 14.2
JUN 17		
SLC	IP	22 01 58.3
FGU	IP	22 02 13.6
JUN 17		
COL	EP	22 09 48.0
JUN 17		
FGU	IP	22 15 40.6
JUN 17		
H-22 17 37.9		
23.8S 179.7W		
h ABOUT 504KM		
TUC	EP	22 29 27.7
COL	EP	22 29 50.0
JUN 17		
EUR	IP	22 31 04.2
JUN 17		
COL	IP	22 36 32.4
EUR	IP	22 40 26.7
JUN 17		
COL	EP	23 10 48.0
JUN 18		
COL	EP	02 08 31.0
JUN 18		
ALQ	E(P)	02 35 25.0
JUN 18		
H-02 54 35.8		
7.2N 076.3W		
h ABOUT 041KM		
BHP	IP	02 55 31.0
	IS	56 23.0
JUN 18		
COL	IP	03 03 06.9
JUN 18		
EUR	EP	03 21 25.7
JUN 18		
BOZ	E(P)	04 14 20.0
JUN 18		
BOZ	EP	04 59 57.7
JUN 18		
ALQ	E(P)	05 38 13.0
JUN 18		
H-05 58 21.2		
38.7N 138.5E		
h ABOUT 033KM		
COL	IP	06 07 05.0
BOZ	IP	06 10 02.0
EUR	IP	06 10 09.4
ALQ	EP	06 10 57.0
JUN 18		
TUC	E(P)	06 07 50.7
JUN 18		
COL	EP	06 23 39.7
BOZ	EP	06 27 37.0
JUN 18		
COL	IP	06 38 49.5
JUN 18		
HHM	EP	07 29 23.1
JUN 18		
H-08 24 26.6		
59.9N 147.2W		
h ABOUT 033KM		
COL	EP	08 25 42.0
BOZ	EP	08 29 56.0
JUN 18		
ALQ	E(P)	08 24 27.0
JUN 18		
COL	EP	08 41 39.0
JUN 18		
COL	EP	09 47 16.0
JUN 18		
COL	EP	09 56 01.0
JUN 18		
SIT	EP	12 44 54.0
JUN 18		
ALQ	E(P)	13 23 20.5
JUN 18		
GUA	E(P)	13 53 49.5
JUN 18		
EUR	EP	13 57 19.6
JUN 18		
HHM	EP	14 12 47.8
JUN 18		
COL	EP	15 00 02.0
JUN 18		
COL	IP	15 08 55.1
BOZ	EP	15 13 21.0
JUN 18		
EUR	EP	16 25 52.2
JUN 18		
TUC	EP	17 06 43.5
	IL	07 03.0
ALQ	E(P)	17 07 15.5
	E	07 56.0
GCA	E(P)	17 07 39.0
JUN 18		
HHM	E(P)	17 34 38.6
JUN 18		
H-18 01 47.6		
47.5N 154.9E		
h ABOUT 033KM		
COL	IP	18 08 36.6
HON	EP	18 10 13.0
	ES	17 05.0
BOZ	IP C	18 11 58.0
	I	12 12.0
EUR	IP	18 12 04.9
FGU	EP	18 12 25.0
GCA	EP	18 12 32.5
TUC	EP	18 12 55.5
	E	13 07.0
ALQ	IP	18 13 01.0
	E	13 12.0
KIP	ES	18 17 04.0
	EL	22 30.0
JUN 18		
COL	IP	18 13 34.1
	I	13 46.4
JUN 18		
BOZ	IP	18 53 34.0
	IL	53 42.0
JUN 18		
GCA	EP	19 22 26.5
JUN 18		
GCA	EP	19 42 05.8
FGU	EP	19 42 29.7
JUN 18		
EUR	EP	20 13 50.6
JUN 18		
FGU	EP	20 22 15.2
	IS	22 35.4
JUN 18		
H-20 33 53.3		
39.3S 074.7W		
h ABOUT 026KM		
TUC	EP	20 45 54.2
ALQ	IP	20 45 59.0
	E	46 10.0
GCA	EP	20 46 20.0
BCN	EP	20 46 20.8
	E	46 50.5
FGU	EP	20 46 33.0
SLC	E(P)	20 46 35.0
EUR	IP	20 46 37.5
BOZ	EP	20 46 57.0
COL	EP'	20 52 38.0
HON	E	21 06 02.0
	EL	19 14.0
JUN 18		
BOZ	EP	21 35 04.0
JUN 18		
SLC	IP	22 05 28.4
FGU	EP	22 05 59.0
JUN 18		
GCA	EP	22 24 45.5
EUR	EP	22 24 54.8
JUN 18		
SLC	E(P)	22 59 53.6
JUN 19		
TUC	EP	00 18 29.2
COL	IP	00 25 40.1
JUN 19		
FGU	IP	00 37 48.5
	IS	38 07.8
BOZ	E(P)	00 38 10.0
JUN 19		
GCA	IP	00 46 20.5
JUN 19		
COL	EP	00 54 24.8
	E	54 32.5
JUN 19		
H-01 34 10.9		
56.8N 151.5W		
h ABOUT 033KM		
COL	EP	01 36 10.4
EUR	EP	01 40 08.7
JUN 19		
FGU	IP	01 43 27.5

Date and Station	Phase (GCT)
	h m s
JUN 19	
FGU E(P)	03 03 00.5
JUN 19	
FGU EP	03 06 10.4
JUN 19	
FGU EP	03 13 00.2
JUN 19	
H-03 56 18.5	
2.5N 058.9W	
h ABOUT 065KM	
TUC EP	04 05 58.6
EUR IP	04 06 43.6
JUN 19	
H-04 13 46.7	
16.0N 145.8E	
h ABOUT 023KM	
GUA EP	04 14 28.1
COL EP	04 24 31.0
EUR EP	04 26 27.3
JUN 19	
COL EP	04 36 14.0
JUN 19	
ALQ E(P)	05 29 12.0
E	29 35.0
JUN 19	
EUR EP	06 56 50.4
JUN 19	
CSC E(P)	06 59 20.0
JUN 19	
COL EP	09 35 37.0
JUN 19	
H-10 05 36.4	
38.8N 139.3E	
h ABOUT 030KM	
COL IP	10 14 18.1
SIT EP	10 15 15.8
HHM EP	10 16 54.7
BUT IP	10 17 09.8
BOZ IP C	10 17 15.0
FUR IP	10 17 23.4
SLC EP	10 17 31.8
FGU IP	10 17 38.6
BCN IP	10 17 39.7
RCD E(P)	10 17 47.0
E	18 00.0
TUC IP C	10 18 05.4
E	18 09.7
ALQ IP	10 18 10.0
E	18 23.0
HON E	10 23 22.0
EL	28 36.0
JUN 19	
COL EP	10 17 37.3
EPP	20 15.0
JUN 19	
H-10 34 33.6	
22.6N 121.0E	
h ABOUT 033KM	
COL EP	10 45 43.0
HON E	10 55 44.0
EL	11 09 15.0
JUN 19	
COL EP	10 46 57.0
EPP	50 12.0
JUN 19	
GUA E(P)	11 04 50.5
JUN 19	
H-12 08 53.6	
39.0N 139.1E	
h ABOUT 015KM	
COL EP	12 17 37.2
BOZ IP	12 20 34.2
EUR IP	12 20 42.3
BCN EP	12 20 58.5
ALQ IP	12 21 29.5
E	21 34.0
JUN 19	
BCN EP	12 12 17.5
JUN 19	
BCN IP C	12 45 09.5
IS	45 11.5
JUN 19	
GUA EP	12 45 37.0
JUN 19	
CSC EP	13 10 48.0
JUN 19	
H-13 25 51.8	
22.2N 143.3E	
h ABOUT 121KM	
EUR EP	13 38 10.4
BCN E(P)	13 38 22.0
BOZ E(P)	13 38 25.0
TUC E(P)	13 38 44.0
ALQ E(P)	13 38 52.0
EPP	39 18.0
JUN 19	
H-13 45 13.2	
14.1N 091.4W	
h ABOUT 085KM	
ALQ IP	13 50 29.5
E	50 47.0
BCN EP	13 51 19.2
COL EP	13 55 35.0
JUN 19	
CSC EP	15 04 09.0
JUN 19	
COL EP	15 32 31.0
JUN 19	
CSC EP	15 36 55.0
JUN 19	
COL EP	15 37 04.0
JUN 19	
BOZ EP	15 51 22.2
JUN 19	
BOZ EP	16 57 57.8
I	58 01.0
JUN 19	
BOZ EP	17 07 10.0
JUN 19	
TUC E(P)	17 12 44.6
JUN 19	
H-17 31 56.2	
12.4N 088.1W	
h ABOUT 053KM	
TUC EP	17 37 55.0
BOZ IP	17 39 17.9
IPP	39 32.0
JUN 19	
GUA EP	18 40 12.0
JUN 19	
FGU IP	18 39 20.8
I	39 35.4
JUN 19	
BOZ E(P)	19 41 48.0
JUN 19	
GCA IP	19 46 19.9
IS	46 33.4
JUN 19	
GUA EP	20 11 01.0
ES	11 08.0
JUN 19	
BOZ IP	21 06 41.0
JUN 19	
H-21 07 23.6	
38.8N 139.0E	
h ABOUT 033KM	
COL EP	21 16 05.6
BOZ EP	21 19 02.0
JUN 19	
FGU E(P)	21 38 01.4
ES	38 25.9
JUN 19	
SLC E(P)	21 40 29.7
JUN 19	
COL EP	21 53 54.0
BOZ IP	21 54 55.5
JUN 19	
FGU EP	22 24 11.8
IS	24 31.1
JUN 19	
BCN IP	22 58 39.0
ES	58 51.8
JUN 19	
SLC E(P)	23 02 08.7
JUN 19	
SLC E(P)	23 10 42.7
JUN 19	
ALQ EP	23 40 50.0
JUN 19	
BOZ EP	23 46 37.0
JUN 20	
FGU EP	01 02 25.3
ES	02 57.3
JUN 20	
SIT E(P)	01 11 10.2
JUN 20	
H-02 39 04.0	
57.7N 151.9W	
h ABOUT 034KM	
COL IP	02 40 53.0
JUN 20	
TUC EP	02 39 35.2
JUN 20	
FGU EP	03 45 21.2
JUN 20	
H-04 15 47.0	
60.9N 142.9W	
h ABOUT 040KM	
COL EP	04 16 56.0
SIT EP	04 17 05.0
BOZ E(P)	04 21 00.0
E	21 23.0
JUN 20	
ALQ EP	04 49 39.5
BOZ E(P)	04 52 20.0

Date and Station	Phase	Phase (GCT) h m s
JUN 20		
H-05 02 37.9		
9.2N 084.4W		
h ABOUT 045KM		
BHP	IP	05 03 50.0
ALQ	EP	05 09 07.0
	E	09 12.0
TUC	E(P)	05 09 16.0
BOZ	EP	05 10 35.0
JUN 20		
COL	EP	08 30 06.0
JUN 20		
H-09 59 08.9		
19.9S 174.1W		
h ABOUT 033KM		
TUC	EP	10 11 15.8
ALQ	EP	10 11 38.0
	E	11 51.0
BOZ	EP	10 11 50.0
COL	EP	10 11 54.0
JUN 20		
COL	EP	10 18 55.0
JUN 20		
TUC	E(P)	11 01 28.8
JUN 20		
COL	IP	11 07 42.6
JUN 20		
TUC	E(P)	11 07 36.0
JUN 20		
H-11 34 26.3		
38.5N 139.1E		
h ABOUT 032KM		
COL	EP	11 43 10.0
BOZ	IP	11 46 06.8
TUC	EP	11 46 56.6
ALQ	EP	11 47 01.6
JUN 20		
COL	EP	11 46 28.3
JUN 20		
COL	EP	11 56 39.0
JUN 20		
H-12 31 49.7		
21.2S 179.2W		
h ABOUT 600KM		
TUC	EP	12 43 21.2
ALQ	EP	12 43 41.0
BOZ	IP	12 43 49.0
JUN 20		
BCN	EP	12 46 31.5
JUN 20		
COL	IP	12 50 29.4
JUN 20		
BCN	EP	13 43 16.0
JUN 20		
COL	EP	16 01 25.0
JUN 20		
H-16 06 44.3		
03.3S 142.4E		
h ABOUT 033KM		
COL	EP	16 19 13.0
SJP	EP'	16 26 28.0
	E	26 34.0
JUN 20		
GCA	EP	16 52 54.0
JUN 20		
H-16 59 09.0		
40.5N 142.2E		
h ABOUT 035KM		
COL	EP	17 07 31.0
BOZ	IP C	17 10 31.0
	IpP	10 45.0
ALQ	IP	17 11 27.0
	E	11 33.0
	EpP	11 38.0
JUN 20		
COL	IP	17 11 08.1
	E	11 21.1
JUN 20		
H-17 12 15.2		
18.5N 105.5W		
h ABOUT 028KM		
ALQ	EP	17 16 05.0
	E	16 17.0
	EL	21 21.0
GCA	EP	17 16 41.2
BCN	EP	17 16 41.5
FGU	EP	17 17 15.5
SLC	E(P)	17 17 20.0
CSC	EP	17 17 54.0
BOZ	EP	17 18 03.5
	EPcP	21 00.0
JUN 20		
COL	IP	19 07 48.7
JUN 20		
FGU	EP	19 15 12.2
	I	15 13.2
JUN 20		
H-19 35 22.7		
18.8N 105.4W		
h ABOUT 033KM		
ALQ	IP	19 39 11.0
	E	39 20.0
GCA	EP	19 39 44.1
BCN	EP	19 39 46.4
	E	39 56.0
FGU	EP	19 40 20.7
BOZ	EP	19 41 05.5
HHM	EP	19 41 09.5
JUN 20		
SLC	IP	22 01 35.1
FGU	IP C	22 02 05.7
EUR	EP	22 02 22.3
JUN 20		
EUR	IP	22 27 08.7
JUN 20		
FGU	IP	23 09 44.4
JUN 21		
ALQ	E(P)	00 32 24.0
	E	32 44.0
JUN 21		
GUA	EP	00 49 36.5
	ES	49 50.0
JUN 21		
H-01 33 11.2		
51.0N 157.0E		
h ABOUT 051KM		
COL	IP	01 39 28.5
BOZ	IP	01 42 55.0
	IpP	43 09.0
EUR	IP	01 43 11.6
SLC	EP	01 43 17.3
FGU	IP	01 43 25.5
RCD	EP	01 43 34.0
	EpP	43 46.0
GCA	IP D	01 43 36.1
	EpP	43 49.6
ALQ	IP	01 44 04.0
	EpP	44 18.0
CSC	EP	01 45 23.0
HON	E	01 48 16.0
	EL	53 50.0
JUN 21		
COL	IP	01 44 33.8
JUN 21		
COL	EP	02 09 29.0
BOZ	EP	02 12 29.0
JUN 21		
KIP	ET	02 29 45.0
JUN 21		
BCN	IP	02 43 28.9
	I	43 43.0
	E	44 53.0
JUN 21		
COL	EP	03 52 40.0
JUN 21		
ALQ	IP	04 43 27.0
	I	43 33.0
EUR	EP	04 44 05.1
JUN 21		
COL	EP	06 53 55.0
JUN 21		
H-06 54 46.2		
14.9S 073.3W		
h ABOUT 080KM		
CSC	EP	07 03 29.0
	E	03 54.0
ALQ	IP	07 04 38.0
	E	05 13.0
BCN	EP	07 05 14.5
	E	05 47.2
FGU	IP C	07 05 19.3
	E	05 47.5
RCD	EP	07 05 20.0
EUR	IP	07 05 37.1
BOZ	IP	07 05 48.5
JUN 21		
ALQ	E(P)	07 17 10.5
JUN 21		
BCN	E(P)	07 22 58.8
	EL	23 48.0
JUN 21		
GCA	E(P)	07 24 23.2
JUN 21		
BCN	EP	07 32 19.5
	EL	33 38.4
EUR	EP	07 33 01.2
ALQ	EP	07 33 04.0
	E	33 17.0
COL	IP	07 37 53.0
JUN 21		
FGU	E(P)	07 36 24.3
JUN 21		
FGU	EP	08 21 13.8

Date and Station	Phase (GCT)
	h m s
JUN 21	
FGU IP	08 37 06.2
JUN 21	
FGU IP	08 39 34.8
JUN 21	
FGU EP	10 03 50.3
IS	03 58.6
JUN 21	
H-10 07 24.5	
3.7N 082.8W	
h ABOUT 024KM	
BHP IP	10 08 56.0
ALQ E(P)	10 14 43.0
BOZ EP	10 16 08.5
JUN 21	
H-11 27 46.9	
18.3N 105.3W	
h ABOUT 033KM	
ALQ EP	11 31 39.5
GCA EP	11 32 13.4
BCN EP	11 32 13.6
FGU E(P)	11 32 39.8
EUR IP	11 32 52.5
BOZ EP	11 33 33.5
JUN 21	
FGU EP D	11 48 22.2
IS	48 53.1
BOZ EP	11 48 29.5
JUN 21	
RCD E(P)	12 02 21.0
JUN 21	
GUA EP	15 00 22.5
ES	00 36.0
JUN 21	
H-15 04 28.5	
16.4S 168.1E	
h ABOUT 053KM	
EUR IP	15 17 23.5
JUN 21	
H-15 32 53.5	
32.7N 116.9W	
h ABOUT 015KM	
BCN IP C	15 33 52.4
IS	34 39.0
IL	34 54.9
EUR IP	15 34 36.9
JUN 21	
GCA E(P)	15 35 46.0

Date and Station	Phase (GCT)
	h m s
JUN 21	
BOZ IP	16 36 41.0
IL	37 01.0
EUR IP	16 37 39.7
JUN 21	
CSC E(P)	17 31 27.0
JUN 21	
ALQ EP	17 59 01.0
E	59 09.0
JUN 21	
COL EP	18 07 50.0
JUN 21	
FGU IP	19 12 43.4
I	12 55.1
JUN 21	
H-19 14 10.3	
12.2N 143.8E	
h ABOUT 033KM	
GUA EP	19 14 37.8
EUR IP	19 27 09.9
BOZ EP	19 27 18.5
JUN 21	
FGU IP	19 15 43.4
JUN 21	
BOZ EP	19 47 35.5
JUN 21	
H-21 16 32.2	
14.0N 046.9W	
h ABOUT 051KM	
TUC EP	21 26 41.3
E	26 49.3
EUR EP	21 27 10.6
JUN 21	
EUR IP	21 22 47.0
JUN 21	
SLC IP	21 29 20.5
JUN 21	
BCN E(P)	21 48 34.0
EL	49 12.0
JUN 21	
TUC E(P)	21 50 47.8
JUN 21	
TUC IP	21 55 49.8
EL	56 12.0
JUN 21	
COL IP	21 59 55.3
BOZ EP	22 00 52.9
E	03 58.0
TUC EP	22 03 02.6
JUN 21	
EUR IP	22 19 33.3

Date and Station	Phase (GCT)
	h m s
JUN 21	
H-22 21 22.7	
16.3S 178.0E	
h ABOUT 018KM	
EUR IP	22 33 48.1
BCN E(P)	22 33 50.0
TUC EP	22 33 52.0
E▸P	33 58.0
COL EP	22 33 58.0
FGU EP	22 34 13.9
BOZ EP	22 34 16.0
I▸P	34 22.0
HON ES	22 36 20.0
EL	40 16.0
KIP ES	22 36 20.0
EL	40 10.0
JUN 21	
COL EP	22 40 52.0
JUN 21	
H-22 55 59.9	
20.8S 175.6E	
h ABOUT 033KM	
TUC EP	23 08 48.0
JUN 21	
SLC E(P)	22 58 46.5
FGU EP	22 59 18.8
JUN 21	
COL IP	23 16 00.8
JUN 22	
FGU EP	00 02 16.4
JUN 22	
BOZ E(P)	00 07 46.0
JUN 22	
BCN E(P)	00 13 06.4
JUN 22	
H-00 16 27.4	
15.7S 172.8W	
h ABOUT 033KM	
HON E(P)	00 24 20.0
E	26 43.0
ES	30 09.0
EL	32 52.0
KIP E(P)	00 24 22.0
ES	30 08.0
EL	32 52.0
TUC EP	00 28 14.5
EUR IP	00 28 14.6
GCA E(P)	00 28 24.8
ALQ IP	00 28 38.0
E	28 53.0

Date and Station	Phase (GCT)
	h m s
FGU EP	00 28 41.9
COL EP	00 28 49.0
JUN 22	
COL EP	00 36 00.0
JUN 22	
HHM E(P)	00 51 21.5
JUN 22	
BHP IP	01 41 07.0
JUN 22	
SJP E(P)	01 44 58.5
E	45 41.5
JUN 22	
SJP E(P)	01 56 03.5
JUN 22	
FGU IP	02 08 30.8
IS	08 55.2
SJP EP	02 10 03.0
JUN 22	
H-02 20 35.0	
36.2N 139.6E	
h ABOUT 055KM	
GUA E(P)	02 26 07.0
COL EP	02 29 30.0
BOZ IP	02 32 20.0
E▸P	32 34.5
EUR IP	02 32 26.8
FGU EP	02 32 43.6
TUC EP	02 33 07.5
E▸P	33 22.5
ALQ IP	02 33 13.0
I▸P	33 28.0
JUN 22	
COL EP	02 32 46.3
JUN 22	
H-03 03 37.9	
10.4S 161.1E	
h ABOUT 070KM	
GUA E(P)	03 09 41.9
HON EP	03 12 36.0
KIP IP	03 12 36.6
EL	23 57.0
ET	04 06 37.0
HON E(P)	03 12 46.0
IS	19 49.0
E	20 16.0
EL	25 17.0
COL IP	03 16 00.8
EUR IP	03 16 36.2

Date and Station	Phase	(GCT)
		h m s
BCN	IP C	03 16 38.5
	I▸P	16 56.0
	EPP	20 30.0
TUC	EP	03 16 49.8
	E▸P	17 07.8
SLC	E(P)	03 16 53.0
BOZ	EP	03 16 56.0
	I▸P	17 15.0
FGU	EP	03 16 59.8
ALQ	IP	03 17 07.0
	E▸P	17 25.0
JUN 22		
ALQ	EP	03 38 14.5
TUC	E(P)	03 38 20.8
BOZ	EP	03 39 33.0
JUN 22		
RCD	E(P)	04 55 58.0
	E	56 09.0
	E	56 56.0
	E	59 35.0
JUN 22		
COL	EP	05 25 22.0
JUN 22		
ALQ	EP	05 44 02.0
JUN 22		
COL	IP	05 56 53.0
JUN 22		
EUR	IP	07 09 30.0
ALQ	E(P)	07 09 34.0
JUN 22		
H-07 30 59.5		
18.0S 167.6E		
h ABOUT 033KM		
EUR	EP	07 44 03.0
TUC	EP	07 44 10.0
JUN 22		
H-07 42 02.5		
24.3S 176.8W		
h ABOUT 075KM		
ALQ	IP	07 54 50.5
BOZ	EP	07 55 01.0
JUN 22		
TUC	E(P)	07 55 16.2
JUN 22		
H-08 22 00.8		
33.9S 070.6W		
h ABOUT 033KM		
EUR	P	08 34 30.9

Date and Station	Phase	(GCT)
		h m s
JUN 22		
H-08 32 02.1		
62.1N 148.5W		
h ABOUT 033KM		
COL	IP	08 32 45.7
TUC	E(P)	08 39 21.7
	E	39 39.0
JUN 22		
COL	IP	11 19 00.0
JUN 22		
H-12 11 09.4		
60.0N 146.7W		
h ABOUT 033KM		
COL	EP	12 12 23.0
BOZ	EP	12 16 34.0
EUR	EP	12 17 00.5
TUC	EP	12 18 13.8
JUN 22		
COL	EP	12 54 22.0
TUC	E(P)	12 59 35.5
JUN 22		
H-13 40 02.8		
25.1S 177.4W		
h ABOUT 121KM		
TUC	IP	13 52 29.2
EUR	IP	13 52 31.0
ALQ	IP	13 52 49.0
	E	53 40.0
	E	53 53.0
BOZ	EP	13 53 00.0
	I	53 50.0
JUN 22		
CSC	EP	14 00 55.0
JUN 22		
BOZ	E(P)	14 29 40.0
JUN 22		
COL	EP	14 43 36.0
JUN 22		
COL	IP	15 09 41.0
JUN 22		
COL	EP	15 30 16.0
JUN 22		
BOZ	EP	16 06 20.0
JUN 22		
EUR	EP	16 30 41.1
JUN 22		
EUR	EP	16 43 58.3
JUN 22		
SIT	E(P)	17 18 56.0

Date and Station	Phase	(GCT)
		h m s
BOZ	EP	17 22 13.2
JUN 22		
COL	EP	18 20 20.0
JUN 22		
EUR	EP	19 26 31.1
JUN 22		
FGU	IP C	19 47 05.2
	IS	47 16.5
JUN 22		
BHP	IP	19 49 51.0
JUN 22		
BHP	IP	20 06 49.0
JUN 22		
BOZ	EP	21 12 12.5
JUN 22		
H-21 23 33.6		
13.6N 120.3E		
h ABOUT 056KM		
COL	IP	21 35 30.0
JUN 22		
COL	IP	21 26 39.4
TUC	E(P)	21 26 49.8
	I	27 34.5
JUN 22		
EUR	IP	22 20 57.7
JUN 22		
TUC	E(P)	22 32 44.5
JUN 22		
CSC	EP	22 48 24.0
	E(S)	48 35.0
JUN 22		
FGU	EP	23 00 20.5
	IS	00 44.5
JUN 22		
SLC	I(P)	23 16 39.0
JUN 22		
EUR	EP	23 23 21.6
JUN 22		
TUC	E(P)	23 31 18.0
JUN 22		
TUC	E(P)	23 35 28.0
	E	36 11.5
JUN 22		
CSC	EP	23 46 21.0
JUN 22		
ALQ	E(P)	23 52 56.0
TUC	EP	23 52 57.0
	E	53 07.3
JUN 23		
CHK	E(P)	00 19 52.7

Date and Station	Phase	(GCT)
		h m s
JUN 23		
COL	EP	00 24 40.0
JUN 23		
H-00 30 11.1		
03.7S 078.1W		
h ABOUT 033KM		
ALQ	IP	00 38 40.0
	E	38 45.0
TUC	EP	00 38 44.7
	E	38 50.7
JUN 23		
PHI	EP	00 39 26.0
	E	49 45.5
JUN 23		
GCA	IP	00 51 37.3
JUN 23		
EUR	EP	01 01 06.0
	I	03 54.1
JUN 23		
H-01 26 37.0		
43.3N 146.1E		
h ABOUT 077KM		
GUA	IP	01 32 34.0
	IS	37 19.0
COL	IP	01 34 21.7
	IS	40 35.0
SIT	IP	01 35 21.0
	PP	37 20.0
	IS	42 26.0
KIP	EP	01 35 32.0
	E	35 55.0
	IS	42 47.0
	IsS	43 28.0
	ISCS	45 20.0
	IL	47 00.0
	ET	02 29 12.0
HON	IP	01 35 34.0
	IS	42 48.0
HHM	IP	01 37 09.7
	IS	45 43.7
UKI	EP	01 37 10.3
	E▸P	37 33.4
	ES	45 50.0
BOZ	IP C	01 37 28.2
EUR	IP	01 37 36.7
SLC	IP	01 37 47.4
	I▸P	38 07.2
FGU	IP C	01 37 54.6
BCN	IP C	01 37 56.2
	IPCP	38 10.2
	ES	47 12.5
	EP'P'	02 05 39.0
	EP'P'	05 58.0
GCA	IP	01 38 02.8

Date and Station	Phase (GCT)
	h m s
RCD IP	01 38 03.0
E▸P	38 20.0
TUC IP C	01 38 24.2
E▸P	38 43.5
ES	48 06.5
ALQ IP	01 38 28.0
E	38 38.0
WAS IP	01 39 25.0
I▸P	39 48.0
IPP	42 50.0
CSC IP	01 39 37.5
E▸P	39 56.0
ESKS	50 06.0
ES	50 32.0
CSC IP	01 39 39.0
IS	50 03.0
JUN 23	
BHP IP C	01 41 07.0
JUN 23	
H-02 04 41.8	
2.7S 080.0W	
h ABOUT 058KM	
TUC IP C	02 12 57.5
E	14 35.8
GCA EP	02 13 27.5
BCN EP	02 13 35.8
FGU IP	02 13 40.4
EUR IP	02 13 58.3
BOZ IP C	02 14 14.5
COL EP	02 17 03.0
JUN 23	
GCA E(P)	02 05 20.0
JUN 23	
H-02 19 06.7	
53.4N 164.3W	
h ABOUT 033KM	
COL E(P)	02 22 29.8
BOZ E(P)	02 25 52.0
EPCP	28 28.0
EUR IP	02 26 01.4
BCN E(P)	02 26 33.0
GCA E(P)	02 26 48.2
TUC E(P)	02 27 06.3
JUN 23	
CHK EP	02 38 50.8
E	42 02.8
I	48 58.8

Date and Station	Phase (GCT)
	h m s
JUN 23	
H-04 32 18.9	
13.9N 094.7E	
h ABOUT 033KM	
EUR EP'	04 51 11.4
FGU EP'	04 51 15.6
ALQ EP'	04 51 29.0
E	51 38.0
TUC EP'	04 51 31.0
JUN 23	
H-04 54 34.8	
32.4N 117.2W	
h ABOUT 015KM	
BCN IP C	04 55 37.3
IS	56 21.5
IL	57 40.0
TUC EP	04 55 58.0
GCA E(P)	04 56 16.7
EUR IP	04 56 21.7
JUN 23	
H-05 25 36.8	
53.9N 163.2W	
h ABOUT 060KM	
COL EP	05 28 45.2
BOZ E(P)	05 32 10.0
EPCP	34 50.0
EUR IP	05 32 23.2
FGU EP	05 32 48.6
BCN EP	05 32 48.8
E▸P	33 05.0
GCA E(P)	05 32 58.0
TUC EP	05 33 29.5
E▸P	33 45.2
ALQ IP	05 33 35.0
E	33 47.0
EPCP	35 25.0
JUN 23	
FGU EP	05 33 29.4
JUN 23	
BOZ EP	05 55 06.0
EUR EP	05 55 14.2
JUN 23	
FGU EP	07 12 51.7
ES	13 26.1
JUN 23	
COL EP	07 20 10.3
▸P	20 16.0
JUN 23	
ALQ E(P)	08 24 02.0

Date and Station	Phase (GCT)
	h m s
JUN 23	
H-08 42 52.7	
60.5N 144.9W	
h ABOUT 033KM	
COL EP	08 44 02.0
JUN 23	
ALQ E(P)	09 02 36.0
JUN 23	
H-09 18 56.2	
18.4S 173.6W	
h ABOUT 033KM	
TUC EP	09 30 56.0
EUR EP	09 30 58.9
BOZ EP C	09 31 30.2
JUN 23	
TUC E(P)	10 38 46.0
JUN 23	
BOZ EP	11 20 39.0
IL	20 59.0
JUN 23	
RCD E(P)	11 24 12.0
JUN 23	
TUC E(P)	11 27 15.5
JUN 23	
TUC E(P)	12 00 53.0
JUN 23	
RCD E(P)	12 18 42.0
JUN 23	
GUA IP	13 20 09.5
ES	20 18.9
JUN 23	
COL EP	13 43 02.0
JUN 23	
H-13 53 51.4	
02.6S 077.7W	
h ABOUT 033KM	
TUC EP	14 02 20.6
JUN 23	
UKI EP	16 07 51.7
E	07 56.3
E	08 19.3
EUR IP	16 09 04.5
JUN 23	
EUR IP	16 30 29.3
JUN 23	
EUR EP	16 42 42.5
JUN 23	
H-17 01 28.9	
18.9S 175.8W	
h ABOUT 204KM	
TUC EP	17 13 20.0

Date and Station	Phase (GCT)
	h m s
COL IP	17 13 47.5
JUN 23	
EUR IP	17 04 38.4
JUN 23	
CSC EP	17 24 10.0
JUN 23	
TUC EP	17 46 37.0
JUN 23	
CSC EP	18 22 15.0
JUN 23	
FGU EP	18 52 36.4
JUN 23	
H-19 10 11.4	
03.0N 126.6E	
h ABOUT 033KM	
ALQ EP'	19 28 59.0
JUN 23	
H-19 53 19.7	
06.9N 073.0W	
h ABOUT 151KM	
ALQ E(P)	20 00 54.0
TUC EP	20 01 08.6
EUR E(P)	20 02 03.6
JUN 23	
SLC E(P)	21 38 02.4
JUN 23	
SLC E(P)	21 54 56.9
JUN 23	
FGU IP	21 55 32.8
JUN 23	
EUR IP	22 01 05.6
JUN 23	
EUR IP	22 21 50.1
JUN 23	
SLC EP	23 06 15.4
JUN 23	
H-23 14 27.2	
51.6N 177.0W	
h ABOUT 050KM	
COL IP	23 18 58.5
BOZ IP C	23 22 18.1
EUR IP	23 22 25.2
GCA EP	23 22 58.5
RCD E(P)	23 23 06.0
TUC EP	23 23 25.8
ALQ IP	23 23 33.0
EPCP	24 44.0
CSC EP	23 25 20.0

Date and Station	Phase (GCT)
	h m s
JUN 23	
COL EP	23 55 35.0
JUN 24	
GCA EP	00 17 46.0
I	17 52.0
JUN 24	
FGU IP	00 56 17.0
JUN 24	
HON IP	01 31 57.2
KIP IP	01 31 57.5
JUN 24	
KIP IP	03 27 00.0
JUN 24	
ALQ E(P)	03 40 54.0
JUN 24	
ALQ E(P)	04 59 56.0
JUN 24	
H-06 25 00.5	
37.9N 141.3E	
h ABOUT 033KM	
EUR EP	06 36 42.2
JUN 24	
COL P	07 16 09.7
JUN 24	
BOZ EP	07 23 05.0
EUR EP	07 23 13.3
ALQ EP	07 24 00.0
E	24 05.0
JUN 24	
GUA EP	09 22 56.3
JUN 24	
BCN I(P)	09 29 12.9
EL	29 12.5
EUR EP	09 29 48.7
JUN 24	
RCD E(P)	10 53 08.0
JUN 24	
COL IP	12 44 41.3
JUN 24	
H-12 56 26.0	
32.2N 179.4E	
h ABOUT 048KM	
COL EP	13 06 18.0
EUR EP	13 09 06.9
JUN 24	
CSC E(P)	13 25 05.0
JUN 24	
CSC EP	13 40 47.0

Date and Station	Phase (GCT)
	h m s
JUN 24	
H-14 59 58.7	
7.1S 155.6E	
h ABOUT 123KM	
COL EP	15 12 07.0
JUN 24	
BCN IP D	15 06 45.7
IL	07 06.5
EUR IP	15 06 57.3
GCA E(P)	15 07 26.5
TUC E(P)	15 07 51.0
JUN 24	
H-15 13 00.7	
17.3N 100.4W	
h ABOUT 033KM	
TUC EP	15 17 03.6
E(S)	21 44.0
BCN E(P)	15 18 00.5
E	18 06.0
EL	25 00.0
CSC EP	15 18 14.0
BOZ IP	15 19 06.2
JUN 24	
TUC EP	15 39 42.5
JUN 24	
GCA EP	15 58 11.1
JUN 24	
CSC EP	16 15 05.0
JUN 24	
CSC EP	16 26 50.0
E	27 08.0
E	26 20.0
JUN 24	
GCA EP	16 31 40.5
JUN 24	
ALQ E(P)	17 03 25.0
E	06 36.0
JUN 24	
TUC EP	17 06 33.8
JUN 24	
TUC EP	17 11 51.4
JUN 24	
TUC EP	17 21 19.0
JUN 24	
ALQ E(P)	17 51 20.0
E	51 29.0
JUN 24	
BOZ EP	18 02 54.9
JUN 24	
GCA IP	18 33 48.1

Date and Station	Phase (GCT)
	h m s
JUN 24	
SLC EP	18 53 12.2
JUN 24	
H-19 28 02.6	
15.4N 093.3W	
h ABOUT 033KM	
ALQ EP	19 33 03.0
E	33 07.0
TUC EP	19 33 08.0
JUN 24	
SLC IP	19 44 52.6
FGU EP	19 45 21.9
ALQ E(P)	19 46 21.0
JUN 24	
COL IP	20 25 11.5
JUN 24	
ALQ E(P)	20 49 12.0
E	49 40.0
JUN 24	
ALQ E(P)	21 27 27.0
JUN 24	
CSC EP	21 34 10.0
JUN 24	
ALQ IP	21 55 05.0
E	55 40.0
GCA EP	21 55 12.2
ES	55 44.9
FGU EP	21 55 39.8
TUC EP	21 55 53.5
JUN 24	
ALQ E(P)	22 02 02.0
JUN 24	
ALQ EP	22 03 09.0
JUN 24	
SLC E(P)	23 11 37.0
E	12 03.8
JUN 24	
FGU IP	23 12 58.5
JUN 24	
BOZ E(P)	23 29 44.0
JUN 25	
TUC EP	00 24 02.5
JUN 25	
TUC EP	00 36 29.6
JUN 25	
TUC EP	00 48 17.8
JUN 25	
BOZ IP	01 42 16.0
I	42 56.0

Date and Station	Phase (GCT)
	h m s
FGU EP	01 42 31.4
ES	43 04.2
SLC E(P)	01 42 34.8
JUN 25	
BOZ EP	01 42 25.9
JUN 25	
ALQ IP	01 45 14.0
JUN 25	
ALQ IP	02 09 02.0
E	09 05.0
JUN 25	
BOZ IP C	02 20 19.0
I	20 49.0
FGU EP	02 20 22.2
I	20 24.4
IS	20 57.4
SLC EP	02 20 28.8
EUR P	02 21 02.3
RCD E(P)	02 21 40.0
JUN 25	
BOZ IP	02 37 12.0
I	37 43.0
FGU IP	02 37 16.9
ES	37 46.4
JUN 25	
BOZ IP	03 08 03.9
I	08 34.0
FGU EP	03 08 07.6
E	08 09.3
E	08 43.3
SLC EP	03 08 12.9
EUR P	03 08 55.6
UKI E(P)	03 08 56.0
JUN 25	
H-03 42 52.7	
10.8S 164.8E	
h ABOUT 024KM	
COL EP	03 55 20.0
JUN 25	
FGU E(P)	04 11 01.8
E(S)	11 26.0
JUN 25	
ALQ EP	04 31 58.0
JUN 25	
ALQ E(P)	05 57 48.0
JUN 25	
H-05 58 47.1	
14.5N 093.4W	
h ABOUT 069KM	
ALQ IP	06 03 57.0
E	04 04.0

Date and Station	Phase (GCT)
	h m s
TUC E(P)	06 04 00.2
BCN EP	06 04 42.0
E	04 54.0
FGU E(P)	06 04 49.4
EUR E(P)	06 05 10.3
BOZ EP	06 05 31.0
EPP	06 50.0
JUN 25	
SLC E(P)	06 16 15.0
JUN 25	
FGU E(P)	06 22 37.8
E(S)	22 54.5
JUN 25	
BOZ E(P)	06 32 25.0
E	32 51.0
JUN 25	
TUC EP	07 13 24.5
JUN 25	
SLC E(P)	07 23 02.0
TUC EP	07 23 45.5
JUN 25	
ALQ E(P)	09 29 13.5
JUN 25	
COL IP	09 40 51.0
JUN 25	
BCN E(P)	09 54 15.0
JUN 25	
BCN EP	11 13 38.0
EUR P	11 13 42.6
JUN 25	
H-11 23 00.6	
60.3N 149.1W	
h ABOUT 070KM	
COL IP	11 24 09.6
BOZ IP	11 28 33.0
I	28 35.8
EUR IP	11 28 58.6
FGU E(P)	11 29 05.2
RCD EP	11 29 20.0
BCN EP	11 29 29.2
ALQ EP	11 30 08.0
EPCP	32 15.0
TUC EP	11 30 10.2
EPCP	32 26.8
JUN 25	
ALQ EP	11 32 26.0
E	32 34.0

Date and Station	Phase (GCT)
	h m s
JUN 25	
H-11 47 02.2	
22.8S 063.5W	
h ABOUT 525KM	
ALQ IP	11 57 25.0
E	57 29.0
BCN EP	11 57 57.3
EUR IP	11 58 13.2
JUN 25	
BCN E(P)	12 45 25.0
JUN 25	
BCN IP	12 47 13.4
JUN 25	
FGU E(P)	12 55 46.2
E(S)	56 08.5
JUN 25	
H-13 30 00.1	
37.1N 116.1W	
h ABOUT 000KM	
BCN IP C	13 30 28.3
EUR IP	13 30 40.5
SLC EP	13 31 18.7
TUC EP	13 31 37.6
FGU EP	13 31 40.2
E	32 03.7
ALQ IP	13 32 00.5
BOZ E(P)	13 32 20.0
JUN 25	
BOZ IP C	13 44 14.0
IS	44 25.0
JUN 25	
BCN EP	14 08 49.5
I	08 53.5
IL	09 17.5
JUN 25	
TUC E(P)	14 10 15.0
E	10 27.7
ALQ EP	14 10 53.0
JUN 25	
ALQ EP	14 56 11.5
E	56 17.5
JUN 25	
ALQ EP	15 10 06.0
JUN 25	
ALQ E(P)	16 44 51.0
E	45 30.0
GCA E(P)	16 45 09.3
JUN 25	
EUR IP	17 17 25.8

Date and Station	Phase (GCT)
	h m s
JUN 25	
H-17 24 54.6	
43.6N 130.2W	
h ABOUT 033KM	
BOZ EP	17 28 01.6
COL E(P)	17 30 02.2
JUN 25	
FGU EP	18 11 10.9
IS	11 30.4
JUN 25	
ALQ E(P)	20 42 31.0
JUN 25	
EUR IP	21 52 28.3
JUN 25	
FGU IP C	21 56 01.5
ES	56 18.4
JUN 25	
SLC IP	21 57 57.7
FGU IP	21 58 28.6
EUR EP	21 58 40.4
JUN 25	
H-22 19 38.2	
16.1N 145.3E	
h ABOUT 293KM	
GUA IP	22 20 30.0
EUR IP	22 31 49.5
FGU EP	22 32 09.4
JUN 25	
GCA E(P)	22 27 34.5
JUN 25	
COL IP	22 43 48.0
JUN 25	
GUA E(P)	22 54 02.2
JUN 25	
EUR EP	23 02 00.2
JUN 25	
BCN IP	23 05 56.4
IS	06 09.0
JUN 25	
ALQ E(P)	23 42 18.0
E	42 54.0
JUN 26	
TUC EP	00 57 28.8
JUN 26	
BCN IP	02 25 26.0
IS	59 37.8
JUN 26	
SLC E(P)	02 56 40.1
JUN 26	
BCN IP	02 59 26.0
IS	59 37.8

Date and Station	Phase (GCT)
	h m s
EUR EP	03 00 17.3
JUN 26	
ALQ E(P)	03 59 05.0
E	04 00 12.0
JUN 26	
FGU IP D	04 26 20.4
JUN 26	
SLC E(P)	04 40 31.8
JUN 26	
H-04 45 56.9	
38.7N 138.9E	
h ABOUT 020KM	
COL EP	04 54 42.0
BOZ EP	04 57 38.0
EUR IP	04 57 46.2
TUC EP	04 58 28.7
ALQ IP	04 58 33.5
EPP	58 40.0
E	05 00 11.0
JUN 26	
TUC E(P)	05 14 28.0
E	15 49.0
I	16 32.0
JUN 26	
H-05 28 49.0	
61.7N 148.3W	
h ABOUT 033KM	
COL EP	05 29 38.0
BOZ EP	05 34 25.9
EUR EP	05 34 53.8
FGU EP	05 35 07.5
ALQ EP	05 36 02.0
JUN 26	
ALQ E(P)	05 44 42.0
E	48 48.0
JUN 26	
SLC E(P)	05 55 32.0
JUN 26	
TUC E(P)	06 52 06.5
JUN 26	
TUC EP	07 43 46.3
JUN 26	
H-08 40 50.2	
08.5N 073.6W	
h ABOUT 033KM	
TUC EP	08 48 38.2
JUN 26	
TUC E(P)	09 24 27.0
E	25 13.5

Date and Station	Phase	(GCT) h m s
JUN 26		
COL	IP	10 28 45.8
FUR	EP	10 29 38.5
JUN 26		
FGU	IP	11 31 05.7
	ES	31 36.2
BOZ	EP	11 31 14.8
JUN 26		
COL	EP	11 54 16.0
JUN 26		
SLC	E(P)	12 19 59.3
JUN 26		
H-12 24 28.5		
48.2N 115.1W		
h ABOUT 033KM		
HHM	IP	12 24 41.6
BOZ	IP	12 25 21.1
	IS	26 16.0
FGU	E(P)	12 26 30.8
FUR	EP	12 26 35.5
	I	29 02.4
JUN 26		
RCD	E(P)	12 27 11.0
JUN 26		
H-13 10 28.9		
12.6S 169.4E		
h ABOUT 648KM		
COL	IP	13 21 50.0
BCN	IP D	13 22 05.3
EUR	IP	13 22 06.1
TUC	EP	13 22 15.0
SLC	E(P)	13 22 22.2
BOZ	EP	13 22 29.0
	EPP	24 47.0
ALQ	IP	13 22 33.0
	E	22 38.5
JUN 26		
COL	EP	13 27 45.0
JUN 26		
H-13 32 52.3		
9.2S 158.9E		
h ABOUT 017KM		
COL	EP	13 45 19.4
EUR	IP	13 46 02.4
BCN	EP	13 46 04.0
BOZ	E(P)	13 46 10.0
	E	46 21.0
TUC	EP	13 46 16.0

Date and Station	Phase	(GCT) h m s
JUN 26		
COL	EP	13 45 04.0
JUN 26		
EUR	EP	14 57 38.4
JUN 26		
CSC	EP	15 02 12.0
JUN 26		
EUR	IP	16 19 28.6
JUN 26		
GCA	E(P)	16 43 32.6
JUN 26		
GCA	E(P)	17 30 22.1
JUN 26		
EUR	IP	18 28 12.7
JUN 26		
SLC	EP	18 55 38.2
JUN 26		
ALQ	E(P)	20 12 30.0
JUN 26		
ALQ	E(P)	20 14 34.0
JUN 26		
ALQ	E(P)	20 31 15.0
JUN 26		
FGU	IP	20 33 50.6
	E(S)	34 14.6
JUN 26		
GCA	EP	20 58 09.8
FGU	EP	20 58 13.8
	I	58 17.8
	IS	58 48.1
JUN 26		
ALQ	E(P)	21 00 19.0
JUN 26		
ALQ	EP	21 26 29.0
JUN 26		
ALQ	EP	21 42 37.0
	E	43 06.0
JUN 26		
SLC	IP	21 56 32.0
JUN 26		
TUC	EP	22 05 37.8
JUN 26		
ALQ	E(P)	22 11 30.0
JUN 26		
ALQ	E(P)	22 19 07.0
JUN 26		
EUR	IP	22 22 18.2
JUN 26		
ALQ	E(P)	22 25 33.0
	E	28 04.0

Date and Station	Phase	(GCT) h m s
JUN 26		
COL	IP	22 29 51.9
JUN 26		
SLC	EP	23 02 41.2
ALQ	E(P)	23 04 18.0
JUN 26		
SLC	EP	23 05 51.5
JUN 26		
TUC	E(P)	23 35 21.3
JUN 26		
SLC	EP	23 44 08.0
JUN 26		
SLC	E(P)	23 55 44.5
JUN 27		
COL	IP	01 14 00.0
JUN 27		
FGU	E(P)	02 14 52.2
	ES	15 26.3
JUN 27		
H-02 28 57.1		
40.4N 077.5E		
h ABOUT 033KM		
BOZ	EP	02 42 12.2
	E	42 21.0
EUR	E(P)	02 42 46.9
JUN 27		
ALQ	E(P)	02 58 12.0
TUC	EP	02 58 45.0
JUN 27		
SLC	E(P)	05 35 57.4
JUN 27		
SLC	E(P)	06 47 07.0
JUN 27		
H-08 50 29.1		
16.5N 085.7W		
h ABOUT 028KM		
CSC	EP	08 54 40.0
ALQ	IP	08 56 03.0
	E	56 17.0
TUC	EP	08 56 16.8
FGU	EP	08 56 53.1
EUR	EP	08 57 21.4
BOZ	EP	08 57 31.9
JUN 27		
EUR	EP	08 53 53.8
JUN 27		
ALQ	E(P)	09 01 06.0
JUN 27		
GUA	E(P)	09 57 57.5

Date and Station	Phase	(GCT) h m s
JUN 27		
EUR	EP	10 09 58.4
JUN 27		
H-11 44 21.4		
20.2S 178.9W		
h ABOUT 603KM		
TUC	EP	11 55 48.4
ALQ	E(P)	11 56 09.0
COL	IP	11 56 09.0
JUN 27		
COL	EP	12 25 55.0
JUN 27		
ALQ	E(P)	12 43 36.0
JUN 27		
GUA	E(P)	12 43 41.9
JUN 27		
EUR	EP	12 48 12.4
JUN 27		
RCD	E(P)	13 23 38.0
JUN 27		
TUC	E(P)	16 26 44.0
JUN 27		
H-16 43 47.0		
11.5S 013.8W		
h ABOUT 033KM		
ALQ	E(P)	16 57 26.0
JUN 27		
ALQ	E(P)	16 46 55.0
JUN 27		
H-17 19 52.9		
27.8S 065.6W		
h ABOUT 100KM		
ALQ	IP	17 31 16.0
	E	31 22.0
JUN 27		
FGU	E(P)	17 56 24.9
JUN 27		
BHP	IP	19 06 00.0
	IS	06 14.0
JUN 27		
ALQ	E(P)	19 49 07.0
JUN 27		
SLC	EP	19 53 50.5
FGU	E(P)	19 54 17.9
	E(S)	54 57.8
JUN 27		
RCD	EP	20 13 08.0
JUN 27		
FGU	E(P)	20 27 06.2
	E(S)	27 43.4

Date and Station	Phase (GCT)
	h m s
JUN 27	
SLC E(P)	20 49 58.6
JUN 27	
ALQ EP	21 30 05.0
JUN 27	
TUC EP	21 38 42.5
JUN 27	
H-21 55 39.3	
46.7N 152.2E	
h ABOUT 033KM	
COL IP	22 02 44.0
BOZ EP	22 06 01.0
E	06 13.9
ALQ IP	22 07 05.0
E	07 23.0
JUN 27	
SLC EP	21 58 32.8
FGU IP	21 59 03.5
ES	59 34.0
JUN 27	
ALQ EP	22 44 43.0
E	45 39.0
JUN 27	
ALQ IP	22 50 16.0
E	50 32.0
E	53 42.0
JUN 27	
SLC IP	23 08 35.8
FGU EP	23 08 36.5
E(S)	09 08.7
JUN 27	
H-23 10 41.9	
41.0N 113.4W	
h ABOUT 033KM	
SLC IP	23 11 01.8
FGU EP	23 11 28.5
BOZ EP	23 11 54.0
JUN 28	
TUC EP	00 33 36.0
JUN 28	
UKI E(P)	01 09 07.2
JUN 28	
COL EP	02 15 00.0
JUN 28	
TUC E(P)	03 02 40.5
JUN 28	
GUA EP	03 35 32.0
JUN 28	
GUA EP	04 31 37.8
JUN 28	
FGU EP	05 13 20.0

Date and Station	Phase (GCT)
	h m s
JUN 28	
SLC E(P)	05 47 51.5
JUN 28	
H-05 52 34.6	
13.4S 071.5W	
h ABOUT 237KM	
ALQ EP	06 02 08.0
JUN 28	
BOZ EP	06 21 25.0
IL	21 42.0
JUN 28	
TUC EP	06 38 47.0
JUN 28	
GUA EP	06 48 09.0
ES	48 34.0
JUN 28	
COL EP	06 50 44.0
JUN 28	
H-07 19 18.6	
14.1N 092.0W	
h ABOUT 098KM	
ALQ EP	07 24 31.0
JUN 28	
BCN EP	08 56 55.7
JUN 28	
ALQ E(P)	09 18 33.0
JUN 28	
TUC E(P)	10 02 47.5
JUN 28	
COL IP	10 56 41.0
JUN 28	
COL IP	11 24 10.5
JUN 28	
BCN E(P)	11 42 26.7
JUN 28	
WAS EP	12 12 13.0
E	12 15.8
E	55 19.0
JUN 28	
H-12 51 34.6	
1.7S 149.6E	
h ABOUT 007KM	
GUA IP	12 55 21.0
ES	58 20.0
HON EP	13 01 16.0
IS	09 09.0
E	09 58.0
ESS	12 40.0
EL	14 19.0
KIP EP	13 01 18.0
ES	09 10.0
EL	14 18.0
SIT EP	13 04 05.1

Date and Station	Phase (GCT)
	h m s
HHM E(P)	13 05 00.8
BCN EP	13 05 02.0
EPP	08 46.0
SLC E(P)	13 05 06.8
BOZ EP C	13 05 10.2
EPP	09 05.0
TUC EP	13 05 19.6
E	05 32.6
EPP	09 21.0
EPKKP	22 17.0
ALQ IP	13 05 34.0
EP'	08 42.0
EPKKP	22 04.0
RCD EP	13 05 38.0
EPP	09 45.0
CSC EP'	13 10 34.0
BHP EP'	13 10 48.0
SJP EP'	13 11 09.5
JUN 28	
COL EP	13 01 45.0
JUN 28	
H-14 52 08.4	
13.2S 167.1E	
h ABOUT 215KM	
COL EP	15 04 19.0
BCN EP	15 04 37.0
E	04 44.0
EpP	05 27.0
EUR IP	15 04 38.5
TUC EP	15 04 47.0
EpP	05 39.4
BOZ E(P)	15 05 01.0
EpP	05 51.0
ALQ E(P)	15 05 06.0
EpP	05 57.0
JUN 28	
ALQ EP	15 22 04.0
E	22 40.0
TUC EP	15 22 16.0
BCN EP	15 22 21.3
JUN 28	
H-15 22 43.3	
37.4N 014.3W	
h ABOUT 033KM	
BOZ EP	15 33 47.5
E	33 54.5
ALQ E(P)	15 34 08.0
EUR IP	15 34 24.8
TUC EP	15 34 29.4

Date and Station	Phase (GCT)
	h m s
JUN 28	
BCN IP	16 02 43.6
IS	02 51.2
EUR EP	16 03 33.1
JUN 28	
WAS E	16 37 21.0
E	53 31.0
JUN 28	
ALQ EP	17 02 41.0
E	02 45.0
TUC EP	17 02 58.6
JUN 28	
H-17 07 07.0	
03.5N 032.4W	
h ABOUT 033KM	
ALQ IP	17 18 47.0
E	18 53.0
E	22 53.0
GCA E(P)	17 18 57.8
FGU E(P)	17 18 59.4
TUC EP	17 19 06.0
E	19 12.8
E	20 51.0
SLC E(P)	17 19 08.5
BOZ E(P)	17 19 15.0
BCN EP	17 19 26.0
EUR IP	17 19 30.0
JUN 28	
H-17 21 50.2	
27.1N 111.5W	
h ABOUT 033KM	
TUC EP	17 23 08.0
ALQ EP	17 24 02.3
EUR IP	17 25 01.0
BOZ EP	17 26 08.0
E	26 09.9
JUN 28	
BCN E(P)	17 24 23.0
JUN 28	
BCN E(P)	17 27 13.0
JUN 28	
H-17 27 59.8	
04.0N 032.4W	
h ABOUT 033KM	
SJP E(P)	17 35 06.5
E	35 35.0
BHP EP	17 36 31.0
CSC EP	17 37 23.0

Date and Station	Phase	(GCT)
		h m s
ALQ	IP	17 39 38.0
	E	39 44.0
TUC	EP	17 39 56.8
GCA	EP	17 40 03.7
BOZ	EP	17 40 04.9
SLC	EP	17 40 05.8
BCN	EP	17 40 16.5
	EPP	43 29.5
FUR	IP	17 40 21.7
JUN 28		
TUC	EP	17 45 33.0
JUN 28		
WAS	E	18 17 59.0
	E	38 35.0
JUN 28		
H-18 22 46.3		
53.2N 162.0W		
h ABOUT 039KM		
COL	E(P)	18 26 00.8
BOZ	IP D	18 29 20.8
	IPP	29 31.0
EUR	IP	18 29 29.2
FGU	IP	18 29 55.0
GCA	EP	18 30 03.6
RCD	EP	18 30 09.5
ALQ	IP	18 30 42.0
	E	30 46.0
	E	30 54.0
	E	32 33.0
JUN 28		
COL	EP	19 03 41.0
JUN 28		
H-19 09 05.4		
58.3N 150.2W		
h ABOUT 023KM		
COL	IP	19 10 45.2
SIT	E(P)	19 11 01.8
	EL	13 15.2
HHM	IP	19 14 15.8
	E(S)	18 33.8
BOZ	IP D	19 14 43.1
	EPCP	18 07.0
	E	18 18.0
	ES	19 36.0
EUR	IP	19 15 04.3
SLC	EP	19 15 13.7
FGU	IP	19 15 22.8
RCD	IP	19 15 31.0
	E	15 39.0
BCN	IP D	19 15 35.0
	EPCP	18 21.0
GCA	EP	19 15 39.3
	I	15 41.6
KIP	IP	19 16 15.4
	ET	54 12.0
HON	EP	19 16 16.0
	ES	22 03.0
	EL	25 01.0
ALQ	EP	19 16 16.0
	E	16 42.0
TUC	IP D	19 16 16.5
	E	16 24.5
	EPCP	18 35.0
CSC	EP	19 18 07.0
SJP	IP	19 20 24.7
JUN 28		
COL	EP	19 43 01.0
JUN 28		
COL	EP	19 54 21.0
JUN 28		
H-19 56 25.1		
59.1N 153.1W		
h ABOUT 033KM		
COL	EP	19 58 00.0
BOZ	EP	20 02 16.5
FGU	EP	20 02 56.0
TUC	EP	20 03 49.8
JUN 28		
SLC	EP	20 30 35.6
JUN 28		
GCA	EP	21 03 49.2
JUN 28		
SLC	E(P)	22 17 32.7
JUN 28		
TUC	E(P)	22 22 35.6
EUR	IP	22 24 01.5
JUN 28		
SLC	E(P)	22 37 20.5
JUN 28		
COL	EP	22 45 48.0
JUN 28		
SLC	E(P)	22 46 30.2
JUN 28		
TUC	E(P)	22 54 08.0
JUN 28		
ALQ	E(P)	23 17 06.0
JUN 28		h m s
TUC	E(P)	23 29 53.3
JUN 28		
H-23 45 37.9		
30.7S 178.0W		
h ABOUT 029KM		
TUC	EP	23 58 33.6
JUN 28		
GCA	EP	23 55 13.8
JUN 28		
GCA	IP	23 57 36.7
JUN 29		
H-00 04 30.1		
16.5N 094.6W		
h ABOUT 068KM		
ALQ	IP	00 09 12.5
	E	09 18.0
TUC	IP D	00 09 15.2
	E	09 19.0
BCN	IP	00 10 03.5
	E	10 24.0
FGU	EP	00 10 12.6
EUR	IP	00 10 30.1
BOZ	EP	00 10 51.2
COL	IP	00 14 30.5
JUN 29		
GCA	EP	00 09 33.2
	I	09 55.2
JUN 29		
COL	EP	00 19 30.0
JUN 29		
COL	EP	01 02 41.0
JUN 29		
COL	IP	01 15 33.0
JUN 29		
EUR	EP	01 33 21.6
JUN 29		
TUC	EP	02 16 10.8
JUN 29		
EUR	EP	02 53 36.2
JUN 29		
H-03 54 01.2		
22.6S 065.5W		
h ABOUT 238KM		
ALQ	IP	04 04 44.0
TUC	E(P)	04 04 46.0
JUN 29		
WAS	E	03 59 59.0
JUN 29		
COL	EP	04 23 46.0
JUN 29		h m s
H-04 43 29.6		
26.7N 110.8W		
h ABOUT 033KM		
TUC	EP	04 44 50.0
ALQ	IP	04 45 42.0
BCN	EP	04 45 54.0
	EL	48 48.0
GCA	EP	04 46 01.5
EUR	EP	04 46 42.9
SLC	EP	04 46 51.4
RCD	EP	04 47 47.0
	E	50 18.0
BOZ	IP	04 47 51.0
	ES	51 39.0
	EL	53 16.0
JUN 29		
ALQ	IP	04 46 27.0
JUN 29		
H-05 13 22.8		
27.1N 110.5W		
h ABOUT 033KM		
TUC	EP	05 14 39.4
ALQ	IP	05 15 32.0
	E	15 41.5
	EL	18 06.0
BCN	EP	05 15 43.3
	EL	18 43.5
GCA	EP	05 15 49.3
EUR	IP	05 16 32.2
FGU	E(P)	05 16 41.4
JUN 29		
HHM	E(P)	05 25 10.8
JUN 29		
CSC	E(P)	06 04 18.0
JUN 29		
COL	IP	06 12 53.3
JUN 29		
WAS	EP	06 30 27.0
JUN 29		
TUC	EP	06 42 41.0
JUN 29		
WAS	E	06 47 25.0
	E	48 15.0
	E	51 19.0
JUN 29		
H-07 12 05.9		
17.5S 173.5W		
h ABOUT 033KM		

Date and Station	Phase (GCT)
	h m s
TUC EP	07 24 03.0
E	24 18.2
GCA EP	07 24 13.9
ALQ EP	07 24 27.0
E	24 41.0
JUN 29	
FGU E(P)	07 19 30.5
JUN 29	
COL EP	07 20 56.5
JUN 29	
H-07 21 32.8	
62.7N 152.0W	
h ABOUT 033KM	
COL IP	07 22 18.4
SIT EP	07 23 54.5
EL	26 28.0
HHM EP	07 26 56.8
ES	31 38.8
BOZ IP C	07 27 27.5
I	27 33.0
ES	32 16.0
IL	39 40.0
EUR IP	07 27 56.3
SLC EP	07 28 01.6
RCD IP	07 28 11.0
E	28 16.0
E(S)	33 28.0
FGU E(P)	07 28 14.4
I	28 40.4
BCN EP	07 28 22.0
E	28 31.7
IPCP	30 57.2
ESCP	34 42.5
GCA EP	07 28 29.9
I	28 32.3
E	28 58.8
ALQ IP	07 29 03.0
E	29 08.0
EPCP	31 10.0
ESCP	34 58.0
TUC IP	07 29 07.8
EPCP	31 11.0
ES	08 35 17.0
KIP EP	07 29 17.0
HON EP	07 29 20.0
E	35 40.0
E	38 53.0
EL	40 55.0
CSC IP	07 30 38.0
E	44 38.0
SJP EP	07 32 53.9

Date and Station	Phase (GCT)
	h m s
JUN 29	
BCN E(P)	07 24 12.5
EUR IP	07 24 18.4
JUN 29	
BCN E(P)	07 27 41.5
E	27 56.0
FGU EP	07 27 43.0
I	28 09.0
ALQ E(P)	07 27 49.0
JUN 29	
COL EP	07 47 05.0
JUN 29	
ALQ E(P)	08 34 31.0
JUN 29	
H-08 50 57.1	
01.8S 078.4W	
h ABOUT 158KM	
ALQ IP	08 58 59.0
EPP	59 35.0
TUC EP	08 59 04.7
JUN 29	
H-10 42 46.1	
56.7N 151.4W	
h ABOUT 033KM	
COL IP	10 44 45.9
EUR E(P)	10 48 34.2
FGU EP	10 49 04.4
BCN E(P)	10 49 13.0
E	49 19.8
RCD EP	10 49 16.0
TUC EP	10 49 54.7
E	50 02.5
ALQ EP	10 49 57.0
EPCP	52 15.0
JUN 29	
COL EP	11 13 06.0
JUN 29	
HHM IP	12 13 21.8
BOZ IP D	12 14 11.5
I	14 18.5
IS	15 00.0
RCD EP	12 15 28.0
EUR EP	12 15 32.8
COL E(P)	12 18 13.6
JUN 29	
COL EP	13 31 20.0
JUN 29	
BOZ E(P)	14 34 38.0

Date and Station	Phase (GCT)
	h m s
JUN 29	
ALQ E(P)	14 41 56.0
JUN 29	
TUC EP	15 45 48.7
ALQ EP	15 46 08.0
JUN 29	
EUR IP	15 50 57.4
JUN 29	
ALQ E(P)	16 04 03.0
JUN 29	
CSC E(P)	16 08 16.0
JUN 29	
ALQ E(P)	16 53 49.0
JUN 29	
ALQ E(P)	18 11 43.0
JUN 29	
ALQ EP	18 33 36.0
E	33 44.0
E	33 47.0
I	38 15.0
I	38 22.0
TUC E(P)	18 33 52.7
JUN 29	
ALQ EP	18 44 08.0
E	46 40.0
EUR IP	18 45 49.1
JUN 29	
ALQ IP	18 47 56.0
JUN 29	
BOZ IP C	18 51 17.2
IL	51 26.0
JUN 29	
H-19 04 49.9	
61.0N 143.7W	
h ABOUT 033KM	
COL EP	19 05 55.0
BOZ E(P)	19 10 05.0
TUC E(P)	19 11 48.0
JUN 29	
BHP IP	19 13 38.5
ALQ E(P)	19 14 06.0
JUN 29	
ALQ E(P)	19 36 27.0
JUN 29	
ALQ E(P)	19 41 17.0
JUN 29	
SLC EP	19 52 01.7
JUN 29	
ALQ IP	20 19 07.0
E	19 14.0

Date and Station	Phase (GCT)
	h m s
JUN 29	
ALQ IP	20 44 59.5
E	45 04.0
JUN 29	
COL EP	21 38 45.0
JUN 29	
GCA IP	21 47 24.9
TUC E(P)	21 48 06.0
JUN 29	
COL IP	21 58 20.0
JUN 29	
SLC IP	22 02 41.3
FGU IP	22 03 12.3
JUN 29	
EUR IP	22 25 20.4
JUN 29	
ALQ E(P)	22 50 01.0
JUN 29	
SLC E(P)	22 55 59.3
JUN 29	
EUR EP	23 07 57.8
JUN 29	
ALQ E(P)	23 45 56.0
E	46 40.0
JUN 29	
ALQ E(P)	23 49 44.0
JUN 29	
ALQ E(P)	23 58 37.0
JUN 30	
ALQ E(P)	00 28 07.0
JUN 30	
ALQ E(P)	00 34 14.0
JUN 30	
ALQ EP	01 06 52.0
JUN 30	
ALQ E(P)	01 24 23.0
JUN 30	
TUC EP	01 50 00.7
JUN 30	
BOZ IP C	01 50 15.5
IS	50 27.0
JUN 30	
SLC E(P)	01 59 10.8
JUN 30	
COL IP	02 51 53.4
JUN 30	
COL EP	03 33 20.0
JUN 30	
EUR IP	04 13 50.1

Date and Station	Phase (GCT)
	h m s
JUN 30	
TUC E(P)	04 26 03.3
JUN 30	
ALQ E(P)	04 45 36.0
JUN 30	
BHP IP	04 49 22.0
JUN 30	
EUR EP	04 53 52.7
JUN 30	
COL EP	05 05 42.0
JUN 30	
H-05 27 28.7	
29.8S 178.7W	
h ABOUT 214KM	
TUC EP	05 40 02.2
EUR EP	05 40 06.0
JUN 30	
H-05 46 53.3	
59.1N 154.0W	
h ABOUT 033KM	
COL IP	05 48 30.4
BOZ EP	05 52 48.5
E	52 51.1
EUR IP	05 53 10.2
FGU EP	05 53 33.1
ALQ EP	05 54 20.0
TUC EP	05 54 21.4
JUN 30	
ALQ EP	05 56 32.0
F	06 00 21.0
JUN 30	
TUC E(P)	06 50 32.5
JUN 30	
H-08 51 51.2	
6.9S 129.6E	
h ABOUT 099KM	
ALQ IP'	09 10 36.0
F	10 41.0
JUN 30	
H-10 14 45.8	
19.8S 173.9W	
h ABOUT 033KM	
BCN EP	10 26 47.0
E	26 58.3
TUC EP	10 26 51.0
E	29 28.8
EUR IP	10 26 54.4
SLC E(P)	10 27 09.5

Date and Station	Phase (GCT)
	h m s
ALQ IP	10 27 15.0
E	27 26.0
F	29 34.0
FGU EP	10 27 19.4
BOZ IP	10 27 26.0
COL EP	10 27 28.0
JUN 30	
H-10 17 51.1	
44.1N 149.6E	
h ABOUT 033KM	
COL EP	10 25 22.0
BOZ EP	10 28 31.6
BCN EP	10 28 59.2
E	29 17.2
JUN 30	
TUC EP	10 37 35.5
JUN 30	
BOZ EP	10 50 09.7
E	50 12.5
ALQ E(P)	10 51 04.0
JUN 30	
ALQ I(P)	11 02 49.5
JUN 30	
H-11 28 57.5	
23.3S 066.6W	
h ABOUT 353KM	
ALQ IP	11 39 28.0
EPCP	39 57.0
TUC EP	11 39 29.8
EPCP	39 58.2
BCN EP	11 40 00.0
EPCP	40 29.4
EUR IP	11 40 18.3
BOZ IP	11 40 30.5
JUN 30	
H-11 34 12.2	
44.5N 150.2E	
h ABOUT 036KM	
COL EP	11 41 38.0
BOZ E(P)	11 44 49.0
E	45 00.0
EUR EP	11 44 57.7
BCN EP	11 45 16.5
E	45 33.0
ALQ EP	11 46 08.0
JUN 30	
BOZ IP	12 11 25.1
ALQ E(P)	12 12 20.0

Date and Station	Phase (GCT)
	h m s
JUN 30	
H-13 33 00.1	
37.2N 116.1W	
h ABOUT 000KM	
BCN IP C	13 33 28.8
IL	33 50.3
EUR IP	13 33 39.7
SLC EP	13 34 18.1
TUC EP	13 34 38.0
FGU IP	13 34 39.4
ALQ EP	13 35 00.5
E	35 30.0
JUN 30	
H-13 46 21.6	
.8S 122.5E	
h ABOUT 036KM	
GUA EP	13 51 52.8
KIP EP	13 58 32.0
IS	14 08 40.0
ESS	13 42.0
EL	19 34.0
HON EP	13 58 32.0
EPP	14 01 45.0
ES	08 41.0
ESS	13 42.0
ESSS	17 24.0
EL	19 33.0
COL E(P)	13 59 15.0
SIT E(P)	13 59 55.5
BOZ E(P)	14 01 05.0
EP'	05 03.2
EPP	05 52.0
E	15 45.0
E	18 54.0
BCN EP	14 01 35.2
EP'	05 01.5
E	05 15.0
EUR IP	14 01 28.9
IP'	05 02.8
SLC EP'	14 05 03.2
FGU EP'	14 05 04.5
RCD EP'	14 05 11.0
ALQ IP'	14 05 13.0
E	05 22.0
CSC EP'	14 05 46.0
WAS EP'	14 05 47.0
EPP	08 32.0
PHI EP'	14 06 05.0
BHP IP'	14 06 12.0

Date and Station	Phase (GCT)
	h m s
SJP EP'	14 06 21.6
I	07 07.0
EPP	10 47.8
JUN 30	
COL EP	13 54 42.0
JUN 30	
HHM EP	14 03 52.6
JUN 30	
BCN EP	14 15 38.0
EUR IP	14 15 45.8
JUN 30	
BCN E(P)	14 19 22.5
JUN 30	
EUR IP	14 24 12.9
BCN EP	14 24 22.9
JUN 30	
BCN E(P)	14 29 14.3
EL	29 37.0
JUN 30	
BCN E(P)	14 32 10.0
EL	32 29.8
JUN 30	
BCN E(P)	14 34 42.5
EL	35 01.4
JUN 30	
BCN EP	14 45 16.0
JUN 30	
H-15 47 41.1	
44.7N 150.4E	
h ABOUT 033KM	
COL IP	15 55 06.0
HHM E(P)	15 58 11.1
BOZ EP	15 58 16.6
EUR IP	15 58 25.5
GCA E(P)	15 58 43.3
BCN E(P)	15 58 43.8
E	59 01.0
FGU E(P)	15 58 47.0
RCD E(P)	15 59 06.0
TUC EP	15 59 13.2
E	59 31.0
JUN 30	
H-15 48 43.3	
45.9N 150.4E	
h ABOUT 033KM	
COL E(P)	15 56 15.0
SIT E(P)	15 57 15.5
UKI E(P)	15 59 07.0

Date and Station	Phase (GCT)
	h m s
BCN IP	15 59 43.5
I	59 54.2
I	59 57.2
RCD E(P)	15 59 49.0
TUC E(P)	16 00 27.0
WAS E(P)	16 01 18.0
CSC E(P)	16 01 43.0
JUN 30	
SLC EP	15 58 10.2
JUN 30	
ALQ E(P)	16 14 54.0
JUN 30	
H-16 24 07.9	
33.0S 070.1W	
h ABOUT 115KM	
ALQ EP	16 35 42.0
E	35 46.0
E▸P	36 12.0
BOZ EP	16 36 40.0
JUN 30	
BOZ E(P)	16 28 13.0
JUN 30	
TUC E(P)	16 58 41.0
BCN EP	16 59 31.8
E	17 00 41.0
GCA EP	16 59 43.5
JUN 30	
ALQ EP	17 00 10.0
JUN 30	
EUR IP	17 40 30.2
JUN 30	
H-17 52 35.6	
14.3S 173.6E	
h ABOUT 607KM	
BOZ EP	18 04 33.0
ALQ IP	18 04 33.0
E	04 45.0
JUN 30	
BOZ E(P)	18 16 37.0
JUN 30	
H-18 47 23.1	
45.1N 150.0E	
h ABOUT 033KM	
COL EP	18 54 46.0
BOZ EP	18 57 59.0
TUC EP	18 58 54.0
ALQ E(P)	18 58 59.0
JUN 30	
TUC E(P)	19 16 53.0

Date and Station	Phase (GCT)
	h m s
JUN 30	
H-19 47 22.5	
00.0S 122.9E	
h ABOUT 033KM	
GUA E(P)	19 52 38.6
COL EP	20 00 19.0
BCN EP'	20 06 07.0
FGU EP'	20 06 07.5
GCA EP'	20 06 09.7
ALQ EP'	20 06 15.0
E	06 33.0
E	07 12.0
FGU EP'	20 06 37.5
JUN 30	
H-20 08 28.5	
46.6N 144.6E	
h ABOUT 383KM	
GUA E(P)	20 14 25.0
COL IP	20 15 27.3
SIT IP	20 16 31.8
KIP IP	20 17 05.5
HHM IP	20 18 20.2
I	18 23.7
UKI E(P)	20 18 25.6
BOZ IP C	20 18 39.4
EUR IP	20 18 50.7
SLC IP	20 19 00.3
I	19 17.8
HON E	20 19 06.0
IS	24 04.0
E	26 21.0
E	30 16.0
EL	34 10.0
BCN IP C	20 19 09.7
I▸P	20 35.2
E	21 40.2
RCD IP	20 19 10.0
GCA IP	20 19 15.9
I	19 28.9
E▸P	20 50.5
TUC EP	20 19 37.4
ALQ IP	20 19 41.0
E	19 54.0
CSC EP	20 20 46.0
E▸P	22 16.0
JUN 30	
BOZ E(P)	20 15 01.2

Date and Station	Phase (GCT)
	h m s
JUN 30	
WAS EP	20 20 07.0
JUN 30	
BOZ I(P)	20 19 04.0
RCD EP	20 20 36.0
E	21 13.0
TUC EP	20 21 05.0
ALQ IP	20 21 09.0
JUN 30	
CSC E(P)	20 45 45.0
JUN 30	
BOZ E(P)	20 46 58.0
E	47 14.0
E	47 53.0
FGU EP	20 47 05.6
ES	47 39.3
JUN 30	
GUA EP	21 14 07.2
ES	14 45.0
JUN 30	
FGU EP	21 57 12.8
I	57 15.3
ES	57 47.8
JUN 30	
H-22 03 11.8	
45.4N 143.0E	
h ABOUT 367KM	
COL EP	22 10 26.0
BOZ E(P)	22 13 36.0
E	13 50.0
BCN EP	22 14 04.0
ALQ E(P)	22 14 39.0
E	16 49.0
JUN 30	
BOZ E(P)	22 07 43.0
JUN 30	
BOZ EP	22 08 04.0
JUN 30	
H-22 11 38.5	
11.1S 162.4E	
h ABOUT 009KM	
COL EP	22 24 11.0
BOZ IP	22 25 04.0
JUN 30	
EUR IP	22 23 49.3
JUN 30	
BHP IP	22 24 25.0
JUN 30	
ALQ E(P)	22 56 20.0
SLC EP	22 56 42.4

Date and Station	Phase (GCT)
	h m s
JUN 30	
ALQ EP	23 03 29.5
SLC E(P)	23 03 53.4
JUN 30	
H-23 14 32.9	
00.3S 122.6E	
h ABOUT 056KM	
BOZ EP'	23 33 06.0
TUC EP'	23 33 19.0
ALQ IP'	23 33 26.0
E	33 30.0
JUN 30	
SLC E(P)	23 18 59.4
JUN 30	
WAS EP	23 27 18.0
JUN 30	
CSC EP	23 55 31.0