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COAST & GEODETIC SURVEY

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COAST AND GEODETIC SURVEY—WASHINGTON

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March 4, 2011

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 (SJG) WWNSS
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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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
OCT	H M S	DEG	DEG	KM		
1	02 33 03*	10.5 S	13.3 W	33	5.1	ASCENSION ISLAND REGION.
1	02 47 43.7	4.0 S	153.5 E	128		NEW IRELAND REGION.
1	03 50 15.8	7.1 N	72.0 W	66	4.0	NORTHERN COLOMBIA.
1	06 36 12*	14.1 S	175.1 W	243	4.0	SAMOA ISLANDS REGION.
1	07 46 02.0	14.9 N	94.0 W	94	3.8	OFF COAST OF CHIAPAS, MEXICO.
1	08 46 36.9	19.7 S	68.8 W	138	4.4	CHILE-BOLIVIA BORDER REGION.
1	08 58 25.7	55.9 S	26.8 W	33		SOUTH SANDWICH ISLANDS REGION.
1	11 00 48.3	43.5 N	126.9 W	33	6.0	OFF COAST OF OREGON. MAG. 5 1/2 (BRK).
1	12 05 39*	31.2 N	114.2 W	33	4.1	GULF OF CALIFORNIA.
1	12 31 24.6	45.7 N	122.8 W	33	5.3	WASHINGTON-OREGON BORDER REGION. FELT IN PORTLAND-VANCOUVER AREA.
1	16 25 54*	14.3 N	124.7 E	190	4.5	LUZON, PHILIPPINE ISLANDS.
1	18 19 43.8	13.6 N	90.1 W	62	4.4	NEAR COAST OF GUATEMALA.
1	18 30 01.9	49.3 N	128.8 W	9	5.3	VANCOUVER ISLAND REGION. MAG. 4 3/4 (BRK).
2	00 58 39.2	51.9 N	142.9 E	33	5.7	SAKHALIN ISLAND.
2	04 31 21.0	23.6 S	179.6 W	503		SOUTH OF FIJI ISLANDS.
2	09 47 27.2	10.4 S	162.4 E	58	5.2	SOLOMON ISLANDS.
2	10 39 33*	44.8 N	111.4 W	33	3.8	HEBGEN LAKE REGION.
2	13 00 39.7	10.5 S	162.4 E	68	6.0	SOLOMON ISLANDS. MAG. 5 3/4 (BRK).
2	16 52 06.4	21.7 S	67.7 W	49	5.0	CHILE-BOLIVIA BORDER REGION.
2	20 03 00.0					37° 04' 41" N. 116° 00' 31" W. NEVADA TEST SITE. "AUK" SHOT ELEVATION 824.8 METERS (AEC).
2	20 41 47.7	8.9 S	79.7 W	55	4.6	NEAR COAST OF NORTHERN PERU.
2	22 00 34.8					33° 51' 33" N. 117° 30' 25" W. 140 TON CORONA TEST (VESIAC).
2	22 23 32.4	59.7 N	144.5 W	22	5.2	GULF OF ALASKA.
3	01 55 00.2	21.0 S	178.5 W	547	5.0	FIJI ISLANDS REGION.
3	12 49 31.5	10.7 S	75.3 W	154	4.8	PERU.
3	13 39 39.9	61.4 N	147.1 W	48	5.2	SOUTHERN ALASKA. MAG. 4-4 1/4 (BRK).
3	15 05 20*	59.1 N	153.2 W	60	4.1	SOUTHERN ALASKA.
3	16 52 20.7	26.7 S	177.7 W	134	4.5	SOUTH OF FIJI ISLANDS.
3	17 02 48.0	18.1 S	178.8 W	673	4.4	FIJI ISLANDS REGION.
3	20 41 33.5	45.3 N	150.0 E	48	4.5	KURILE ISLANDS.
3	22 00 53.8	10.3 S	164.5 E	66	4.4	SANTA CRUZ ISLANDS REGION.
3	22 41 09.0	20.2 S	176.3 W	219	4.4	FIJI ISLANDS REGION.
4	01 46 54*	39.4 N	15.4 E	261	4.2	SOUTHERN ITALY.
4	06 30 14.4	11.3 N	87.4 W	33	4.2	NEAR COAST OF NICARAGUA.
4	07 00 57.1	27.9 N	69.2 E	14	4.8	INDIA-WEST PAKISTAN BORDER REG.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
4	09 11 23*	8.9 S	129.2 E	78	4.4	TIMOR SEA.
4	12 27 37.2	17.7 S	178.3 W	576	4.0	FIJI ISLANDS REGION.
4	16 27 29*	66.1 N	154.3 W	33	3.8	ALASKA.
4	22 57 03.4	37.8 N	20.9 E	90	4.0	IONIAN SEA.
5	01 24 55*	32.9 N	115.8 W	33	4.5	CALIFORNIA-MEXICO BORDER REGION.
5	03 25 57*	41.9 N	142.2 E	33	4.7	HOKKAIDO, JAPAN REGION.
5	03 35 08.4	42.6 N	142.6 E	38	5.0	HOKKAIDO, JAPAN REGION. FELT IN NORTHERN JAPAN.
5	06 24 01.0	18.2 S	177.7 W	334	4.7	FIJI ISLANDS REGION.
5	08 30 15.7	16.7 S	173.7 W	33	5.1	TONGA ISLANDS.
5	12 24 06.4	16.6 S	174.2 W	84		TONGA ISLANDS.
5	13 12 15.5	22.3 S	171.6 E	145	4.9	LOYALTY ISLANDS REGION.
5	13 58 56.9	22.2 S	175.8 W	33	5.1	TONGA ISLANDS REGION.
5	22 10 16.5	36.0 N	141.2 E	62	4.9	NEAR EAST COAST OF HONSHU, JAPAN. FELT AT TOKYO.
5	22 58 04.9	13.8 N	91.3 W	33	4.4	NEAR COAST OF GUATEMALA.
6	01 37 21*	56.5 N	152.7 W	33	4.4	KODIAK ISLAND REGION.
6	02 19 33.3	17.7 N	95.6 W	131	4.3	OAXACA, MEXICO.
6	02 54 32.7	30.3 N	94.6 E	33	4.5	TIBET.
6	04 11 23*	28.4 S	65.4 W	82	4.3	SANTIAGO DEL ESTERO PROV., ARG.
6	06 11 32.6	18.6 N	119.6 E	33	6.0	PHILIPPINE ISLANDS REGION.
6	07 17 57.1	36.2 S	100.9 W	33	5.5	SOUTHERN PACIFIC OCEAN. MAG. 5 1/2 (BRK).
6	10 06 17.9	2.6 N	95.3 W	33	4.7	GALAPAGOS ISLANDS REGION.
6	14 29 55.6	40.2 N	28.1 E	10	5.1	TURKEY.
6	14 31 19.2	40.3 N	28.2 E	10	6.0	TURKEY. 36 KILLED AND 52 INJURED. HEAVY PROPERTY DAMAGE IN WESTERN TURKEY. CREVASSES AND HOTSPRINGS APPEARED IN EPICENTRAL AREA. FELT WIDELY THROUGHOUT BLACK SEA REGION. MAG. 6 3/4-7 (PAS), 6 3/4-7 (BRK), 6 1/4 (PAL).
6	18 19 08*	13.4 S	75.8 W	117	4.2	PERU.
6	18 24 57.0	70.9 N	5.7 W	33	4.8	JAN MAYEN ISLAND REGION.
6	19 12 12.0	16.1 S	168.6 E	21	5.4	NEW HEBRIDES ISLANDS.
6	20 19 34.1	29.3 N	80.9 E	27	5.1	NEPAL-INDIA BORDER REGION.
7	00 54 18.0	53.0 N	36.2 W	33	4.5	NORTH ATLANTIC OCEAN.
7	01 24 45.2	20.7 S	177.8 W	328	4.4	FIJI ISLANDS REGION.
7	03 52 11.3	6.8 S	155.2 E	70	5.5	SOLOMON ISLANDS.
7	11 03 55*	51.9 N	173.3 W	33	3.8	ANDREANOF ISLANDS, ALEUTIAN IS.
7	17 02 34.4	6.3 S	78.6 W	23	3.7	NORTHERN PERU.
7	17 26 25*	43.5 N	126.0 W	23	4.5	OFF COAST OF OREGON.
7	20 05 37*	59.0 N	148.8 W	33		KENAI PENINSULA, ALASKA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
7	23 04 47.9	32.7 N	83.9 E	33		TIBET.
7	23 07 52.0	40.1 N	28.2 E	32	4.4	TURKEY.
8	03 15 41.6	18.3 S	174.8 W	97	4.7	TONGA ISLANDS.
8	04 36 26*	3.4 N	126.7 E	33	4.1	TALAUD ISLANDS.
8	10 39 13.0	6.5 S	154.4 E	74	5.2	SOLOMON ISLANDS.
8	10 55 26*	2.6 S	79.1 W	131	4.0	NEAR COAST OF ECUADOR.
8	12 35 35*	27.3 N	110.9 W	33	4.6	GULF OF CALIFORNIA.
8	14 12 54*	43.9 N	127.4 W	33	3.9	OFF COAST OF OREGON.
8	14 38 02*	22.6 S	69.4 W	33	4.7	NORTHERN CHILE.
8	16 53 23.0	52.8 N	168.0 W	33	4.5	FOX ISLANDS, ALEUTIAN ISLANDS.
8	17 07 15*	32.1 S	70.9 W	146	4.2	CHILE-ARGENTINA BORDER REGION.
9	00 14 22*	35.0 S	115.0 W	33	4.5	EASTER ISLAND CORDILLERA.
9	00 33 46.2	38.9 N	110.9 W	33		UTAH.
9	02 26 02.4	47.8 N	114.2 W	33	4.6	MONTANA. FELT IN FLATHEAD VALLEY.
9	04 27 42*	5.6 S	129.0 E	79	5.2	BANDA SEA.
9	09 11 54*	60.0 N	143.7 W	33	4.0	SOUTHERN ALASKA.
9	11 27 57*	18.4 N	68.9 W	178	4.3	MONA PASSAGE.
9	12 43 04.5	28.4 N	138.8 E	520	4.9	BONIN ISLANDS REGION.
9	14 00 00.1					37° 09' 05" N. 116° 04' 37" W. NEVADA TEST SITE. "PAR" SHOT ELEVATION 922.6 METERS (AEC).
9	14 56 48*	59.6 N	143.9 W	29	3.8	GULF OF ALASKA.
9	19 26 39.7	6.8 N	73.0 W	157	5.3	NORTHERN COLOMBIA. FELT THROUGHOUT CENTRAL AND NORTHERN COLOMBIA.
9	19 55 34.7	57.0 N	151.9 W	17	5.1	KODIAK ISLAND REGION.
9	21 34 09.2	16.2 S	171.9 W	33	5.8	SAMOA ISLANDS REGION. MAG. 5 1/4 (BRK).
9	22 07 13*	59.5 N	144.4 W	16	4.5	GULF OF ALASKA.
10	04 47 46*	32.0 N	87.3 E	20		TIBET.
10	07 50 52.7	16.7 N	97.9 W	43	4.4	OAXACA, MEXICO.
10	07 56 40.5	25.2 S	180.0 E	432	3.8	SOUTH OF FIJI ISLANDS.
10	08 30 00.2					47° 22.37' N. 89° 52.98' W. SHOT ELEVATION 22.6 METERS (LAKE SUPERIOR EXPERIMENTS).
10	08 31 07.7	23.8 S	179.7 W	441		SOUTH OF FIJI ISLANDS.
10	11 30 00.2					47° 18.70' N. 90° 17.97' W. SHOT ELEVATION 68.3 METERS (LAKE SUPERIOR EXPERIMENTS).
10	16 00 59*	5.9 S	130.1 E	100	4.4	BANDA SEA.
10	17 13 30*	30.2 S	179.3 W	294		KERMADEC ISLANDS.
10	19 38 47.7	60.4 N	146.1 W	44	5.3	SOUTHERN ALASKA. MAG. 4 1/2-4 3/4 (BRK).

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
10	20 06 39.8	60.5 N	145.4 W	31	5.4	SOUTHERN ALASKA. MAG. 5 1/2-5 3/4 (BRK).
10	22 50 19.4	31.4 S	70.7 W	75	4.2	CHILE-ARGENTINA BORDER REGION.
10	23 57 14*	52.7 N	171.5 W	33	4.6	FOX ISLANDS, ALEUTIAN ISLANDS.
11	00 13 13.4	16.2 S	168.2 E	17	5.3	NEW HEBRIDES ISLANDS.
11	00 43 39*	0.0 N	17.8 W	33	4.8	NORTH OF ASCENSION ISLAND.
11	03 01 56*	50.9 N	160.0 E	34	4.9	KURILE ISLANDS REGION.
11	06 10 09.0	43.8 N	129.3 W	33	4.6	OFF COAST OF OREGON.
11	10 06 44.9	19.1 N	156.6 W	33	5.3	HAWAII REGION. FELT THROUGHOUT HAWAIIAN ISLANDS. MAG. 5 (BRK).
11	10 21 01.1	6.3 S	145.7 E	138	5.0	NEW GUINEA.
11	11 10 33.6	13.6 S	166.6 E	68	5.0	NEW HEBRIDES ISLANDS.
11	14 19 11.5	17.9 S	71.5 W	35	5.2	NEAR COAST OF PERU. FELT AT AREQUIPA.
11	20 52 14.0	15.1 S	167.6 E	241		NEW HEBRIDES ISLANDS.
11	21 15 03.9	0.6 S	121.7 E	33	6.3	NORTHERN CELEBES. MAG. 6 1/4 (BRK), 6 1/4-6 1/2 (PAL).
11	22 01 46*	57.4 N	150.2 W	33	4.6	GULF OF ALASKA.
11	23 33 23.9	6.0 N	126.7 E	121	5.4	MINDANAO, PHILIPPINE ISLANDS.
12	01 02 03*	12.3 S	166.7 E	35		SANTA CRUZ ISLANDS.
12	01 48 30.8	21.6 S	177.1 W	188	4.4	FIJI ISLANDS REGION.
12	06 06 08.0	56.6 N	152.6 W	33	4.6	KODIAK ISLAND REGION.
12	09 14 52.2	55.9 S	144.1 W	33	5.3	SOUTH PACIFIC CORDILLERA.
12	11 43 35.3	4.5 S	144.5 E	77	5.2	NEAR NORTH COAST OF NEW GUINEA.
12	13 55 21.5	14.8 S	167.4 E	131		NEW HEBRIDES ISLANDS. FELT.
12	14 16 29*	35.4 N	28.8 E	32	4.3	EASTERN MEDITERRANEAN SEA.
12	15 42 54.7	3.0 N	126.7 E	59	5.9	TALAUD ISLANDS. MAG. 5 3/4-6 (PAL).
12	20 13 54.0	5.6 S	147.1 E	195	5.5	EAST NEW GUINEA REGION.
12	21 55 33.2	31.3 S	110.8 W	25	6.0	EASTER ISLAND REGION. MAG. 6 1/4 (PAS), 6 1/4 (BRK), 5 3/4 (PAL).
13	00 49 43.2	8.2 N	122.4 E	64	4.5	MINDANAO, PHILIPPINE ISLANDS.
13	02 20 49.3	44.4 N	151.6 E	33	5.2	KURILE ISLANDS REGION.
13	03 13 42*	16.3 S	174.2 W	167	4.7	TONGA ISLANDS.
13	05 31 43*	1.9 N	126.5 E	16	5.1	MOLUCCA PASSAGE.
13	06 57 48.7	34.0 N	45.1 E	96		IRAN-IRAQ BORDER REGION.
13	10 38 59.3	3.3 S	149.9 E	59	5.1	BISMARCK SEA.
13	14 00 12.3	58.5 N	151.4 W	33	4.9	KODIAK ISLAND REGION.
13	17 20 15*	32.6 S	179.8 W	118	4.4	SOUTH OF KERMADEC ISLANDS.
13	18 12 14.5	22.1 S	170.5 E	41	4.7	LOYALTY ISLANDS REGION.
13	23 02 26*	35.8 N	71.1 E	120	5.8	WEST PAKISTAN.
13	23 54 15*	13.2 S	76.5 W	75	4.6	NEAR COAST OF PERU.

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OCT	H M S	DEG	DEG	KM		
14	03 04 59.6	33.4 N	141.8 E	33	5.6	OFF EAST COAST OF HONSHU, JAPAN.
14	03 23 36*	14.9 N	61.3 W	163	4.1	WINDWARD ISLANDS.
14	03 45 58.0	21.4 S	178.5 W	481	4.5	FIJI ISLANDS REGION.
14	05 48 49*	50.7 N	157.3 E	50	4.2	KURILE ISLANDS.
14	11 50 28.7	5.0 N	75.9 W	63	4.3	COLOMBIA. FELT AT CHINCHINA.
14	12 06 38.1	5.7 S	150.5 E	89	4.0	NEW BRITAIN REGION.
14	16 03 53.6	47.9 N	114.3 W	33	4.6	MONTANA. FELT AT POLSON.
14	18 04 41.3	34.8 N	138.9 E	176	4.1	NEAR S. COAST OF HONSHU, JAPAN.
14	20 39 42.3	13.9 N	54.6 E	9		SOCOTRA REGION.
14	21 05 07.0	15.5 N	93.0 W	44	4.0	NEAR COAST OF CHIAPAS, MEXICO.
14	22 10 09.2	9.2 N	73.1 W	249	3.7	NORTHERN COLOMBIA.
15	00 37 30*	43.9 N	113.5 W	33		EASTERN IDAHO.
15	02 07 06.4	6.6 S	154.8 E	62	5.1	SOLOMON ISLANDS.
15	05 56 31.1	33.0 S	70.4 W	118	4.4	CHILE-ARGENTINA BORDER REGION. FELT AT SANTIAGO.
15	05 57 18*	52.7 N	172.4 W	33	4.0	ANDREANOF ISLANDS, ALEUTIAN IS.
15	06 33 18*	52.0 N	171.2 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
15	11 05 14.0	33.1 S	179.6 E	480	4.2	SOUTH OF KERMADEC ISLANDS.
15	14 32 38*	47.7 N	122.1 W	33	4.1	WASHINGTON. FELT WIDELY IN KING AND SNOHOMISH COUNTIES.
15	17 45 08*	54.9 N	161.1 E	33	4.7	NEAR EAST COAST OF KAMCHATKA.
15	20 26 53.5	44.7 N	149.8 E	49	5.2	KURILE ISLANDS.
15	20 35 33*	44.8 N	149.6 E	33	4.6	KURILE ISLANDS.
15	21 04 11.4	9.1 N	84.0 W	36	4.3	COSTA RICA.
15	21 09 02.6	9.6 N	84.0 W	51	4.2	COSTA RICA.
15	21 30 41*	47.1 N	147.5 E	33	4.3	NORTHWEST OF KURILE ISLANDS.
15	22 35 35*	44.5 N	149.9 E	33	4.2	KURILE ISLANDS.
15	22 40 32.4	44.6 N	149.9 E	44	4.6	KURILE ISLANDS.
15	22 52 36*	9.6 N	83.7 W	37	4.2	COSTA RICA.
15	22 59 43.6	56.8 N	151.9 W	33	5.2	KODIAK ISLAND REGION.
15	23 09 25.1	56.9 N	151.7 W	33	5.3	KODIAK ISLAND REGION.
16	01 36 43.9	44.3 N	149.6 E	44	4.1	KURILE ISLANDS.
16	04 06 31*	57.1 N	151.0 W	33	4.2	KODIAK ISLAND REGION.
16	06 15 31.5	23.6 S	177.6 W	178	5.5	SOUTH OF FIJI ISLANDS.
16	06 59 38.6	44.3 N	149.5 E	33	5.5	KURILE ISLANDS. MAG. 6 1/2 (PAS), 6 1/2 (BRK).
16	07 00 14*	56.1 S	27.7 W	33	5.1	SOUTH SANDWICH ISLANDS REGION.
16	07 17 04.4	44.2 N	149.9 E	33		KURILE ISLANDS.
16	07 21 42.7	44.2 N	149.4 E	33	5.2	KURILE ISLANDS.
16	07 24 57*	47.6 N	143.4 E	33	5.1	SAKHALIN ISLAND.

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OCT	H M S	DEG	DEG	KM		
16	07 28 28.3	44.3 N	149.5 E	52	5.0	KURILE ISLANDS.
16	07 37 19.6	44.5 N	149.6 E	33	4.9	KURILE ISLANDS.
16	07 51 36.7	44.5 N	149.6 E	33	4.4	KURILE ISLANDS.
16	08 18 28.3	44.6 N	149.4 E	33	5.2	KURILE ISLANDS. MAG. 6-6 1/4 (PAL).
16	08 23 00.6	44.6 N	149.6 E	33	5.3	KURILE ISLANDS.
16	08 33 29.8	44.2 N	149.4 E	33	4.7	KURILE ISLANDS.
16	08 34 45.6	44.1 N	149.2 E	33	4.7	KURILE ISLANDS.
16	08 37 34.8	44.3 N	150.1 E	33	4.6	KURILE ISLANDS REGION.
16	08 47 27.3	45.0 N	149.3 E	33	5.0	KURILE ISLANDS.
16	09 18 16.6	44.5 N	149.1 E	33	5.4	KURILE ISLANDS.
16	09 54 30.9	44.1 N	149.3 E	33	4.4	KURILE ISLANDS.
16	10 50 59.1	44.4 N	149.5 E	35	4.4	KURILE ISLANDS.
16	10 58 30.6	44.1 N	149.5 E	25	4.6	KURILE ISLANDS.
16	11 24 41.5	44.6 N	149.5 E	33	4.2	KURILE ISLANDS.
16	12 04 05.3	44.6 N	149.5 E	33	4.5	KURILE ISLANDS.
16	12 18 54.4	44.6 N	149.5 E	33	4.6	KURILE ISLANDS.
16	12 37 26.8	44.3 N	149.4 E	33	4.9	KURILE ISLANDS.
16	13 29 30.6	44.4 N	149.5 E	33	4.9	KURILE ISLANDS.
16	15 59 30.0					37° 02' 22" N. 116 °00' 56" W. NEVADA TEST SITE. "BARBEL" SHOT ELEVATION 959.5 METERS (AEC).
16	23 42 45.3	44.1 N	149.1 E	33	4.5	KURILE ISLANDS.
17	00 59 34.5	32.5 N	140.3 E	86	4.8	SOUTH OF HONSHU, JAPAN.
17	01 07 49.8	29.6 S	68.4 W	96	4.2	SAN JUAN PROVINCE, ARGENTINA.
17	01 38 36.0	7.0 S	155.8 E	58	4.7	SOLOMON ISLANDS. FELT.
17	02 00 03.3	59.5 N	145.5 W	33	5.2	GULF OF ALASKA. MAG. 4 3/4 (BRK).
17	02 28 42.0	32.2 N	141.5 E	22	4.2	SOUTH OF HONSHU, JAPAN.
17	03 17 28.1	0.7 N	119.3 E	62	5.4	NORTHERN CELEBES.
17	05 55 54.4	22.3 S	171.5 E	116	5.3	LOYALTY ISLANDS REGION.
17	06 34 50*	42.4 N	131.0 E	513	4.5	E. RUSSIA-N.E. CHINA BORDER REG.
17	06 45 15*	44.5 N	149.4 E	33	4.4	KURILE ISLANDS.
17	07 45 33.0	13.6 S	72.7 W	57	4.4	PERU.
17	08 06 17.2	37.2 S	52.2 E	33		SOUTH INDIAN OCEAN.
17	09 50 29.5	35.0 N	25.4 E	33	4.8	CRETE.
17	10 02 37*	21.8 S	170.2 E	33		LOYALTY ISLANDS REGION.
17	10 14 02.7	44.5 N	149.9 E	33	4.5	KURILE ISLANDS.
17	12 07 30.6	35.8 N	141.3 E	45	4.9	NEAR EAST COAST OF HONSHU, JAPAN.
17	14 24 39*	28.1 N	45.3 W	33	4.1	NORTH ATLANTIC RIDGE.
17	14 48 10.9	26.7 N	44.6 W	33	4.9	NORTH ATLANTIC RIDGE.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
17	15 01 14.0	7.1 S	129.4 E	117	5.5	BANDA SEA.
17	18 25 46.8	0.6 S	122.2 E	152	4.9	NORTHERN CELEBES.
18	02 49 16.8	2.8 N	78.0 W	68	4.8	NEAR WEST COAST OF COLOMBIA.
18	06 16 35.2	44.4 N	149.7 E	33	5.1	KURILE ISLANDS.
18	07 07 31.8	19.4 N	68.7 W	33	4.3	NORTH ATLANTIC OCEAN.
18	09 06 26.0	2.9 N	65.7 E	33	6.3	CARLSBERG RIDGE.
18	09 26 57.3	14.4 S	167.0 E	50	4.3	NEW HEBRIDES ISLANDS.
18	10 07 58.2	12.1 N	89.6 W	33	4.2	OFF COAST OF CENTRAL AMERICA.
18	10 45 15.5	12.2 N	89.3 W	33	4.7	OFF COAST OF CENTRAL AMERICA.
18	12 32 24.1	7.0 S	124.0 E	574	5.8	BANDA SEA. MAG. 6.9 (PAS).
18	13 20 20.3	29.7 N	50.8 E	33	4.9	SOUTHERN IRAN.
18	15 58 11*	59.1 N	148.2 W	33	4.8	KENAI PENINSULA, ALASKA.
18	18 33 19.9	41.9 N	111.8 W	10	4.3	UTAH. FELT IN CACHE VALLEY, UTAH AND AT PRESTON, IDAHO.
18	20 03 35*	16.4 S	174.3 W	189	4.2	TONGA ISLANDS.
18	20 57 15*	20.5 S	67.1 W	210	3.8	SOUTHERN BOLIVIA.
18	21 25 29.9	28.0 N	54.7 E	61	4.8	SOUTHERN IRAN.
18	21 45 10.4	60.3 N	152.3 W	96	4.1	SOUTHERN ALASKA. FELT AT HOMER.
18	21 56 01.0	7.1 N	144.4 E	33	4.8	CAROLINE ISLANDS REGION.
18	22 31 37.7	19.4 S	179.1 W	666	4.8	FIJI ISLANDS REGION.
18	22 35 45.5	29.7 N	51.0 E	36	4.8	SOUTHERN IRAN.
18	23 52 34.3	5.9 S	105.0 E	79		SUNDA STRAIT.
19	01 30 18*	59.2 N	151.2 W	33	4.5	KENAI PENINSULA, ALASKA.
19	02 15 58.1	31.4 N	79.0 E	33	4.8	TIBET-INDIA BORDER REGION.
19	05 39 55.8	46.6 N	27.1 W	33	4.5	NORTH ATLANTIC RIDGE.
19	06 34 02*	1.5 N	97.0 W	33	4.4	WEST OF GALAPAGOS ISLANDS.
19	08 50 30.4	24.7 S	179.6 W	475	4.3	SOUTH OF FIJI ISLANDS.
19	12 35 18*	49.8 N	155.6 E	50	4.5	KURILE ISLANDS.
19	13 29 29.4	4.6 S	152.9 E	70	4.9	NEW BRITAIN REGION.
19	13 54 29.1	14.4 S	166.4 E	9	4.6	NEW HEBRIDES ISLANDS.
19	15 33 34.9	45.1 N	150.9 E	33	4.6	KURILE ISLANDS.
19	16 29 49.1	59.7 N	148.7 W	53	4.6	KENAI PENINSULA, ALASKA.
19	17 38 44*	29.8 N	51.2 E	54		SOUTHERN IRAN.
19	21 14 52.2	15.7 S	177.8 W	398	4.4	FIJI ISLANDS REGION.
19	21 17 59.8	36.1 S	73.5 W	33	4.9	NEAR COAST OF CENTRAL CHILE. FELT AT CONCEPCION.
19	21 38 28.8	44.2 N	149.3 E	33	4.5	KURILE ISLANDS.
19	23 26 36*	19.1 N	108.5 W	33	3.8	REVILLA GIGEDO ISLANDS REGION.
20	00 49 05.7	19.6 S	174.8 W	29	5.1	TONGA ISLANDS.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
20	05 41 16*	18.6 N	108.5 W	33	4.0	REVILLA GIGEDO ISLANDS REGION.
20	06 24 12*	56.9 N	152.6 W	48	4.1	KODIAK ISLAND REGION.
20	19 43 17*	38.7 N	26.7 E	33		AEGEAN SEA.
20	20 04 02*	23.9 S	179.0 W	165	4.7	SOUTH OF FIJI ISLANDS.
20	23 13 00.4	3.0 S	128.6 E	33	4.4	CERAM.
20	23 34 59.4	14.8 N	60.2 W	33	4.2	WINDWARD ISLANDS.
20	23 48 14*	13.6 N	92.2 W	33	3.9	OFF COAST OF CHIAPAS, MEXICO.
21	02 13 49.0	30.0 N	141.2 E	33	4.7	SOUTH OF HONSHU, JAPAN.
21	07 38 31.0	44.8 N	111.6 W	33	5.8	HEBGEN LAKE REGION. FELT IN SOUTHWESTERN MONTANA. MAG. 5 1/4 (BRK), 5 1/2 (PAL).
21	08 34 06*	6.5 S	80.7 W	100	3.9	NEAR COAST OF NORTHERN PERU.
21	10 08 46.7	14.1 S	166.7 E	45	4.4	NEW HEBRIDES ISLANDS.
21	11 48 30.9	2.7 S	138.9 E	99		WEST NEW GUINEA.
21	14 32 57.6	58.5 N	151.9 W	33	5.6	KODIAK ISLAND REGION.
21	17 23 33.7	35.9 N	71.3 E	181	4.4	WEST PAKISTAN.
21	19 17 50.0	36.4 N	4.3 E	33	4.4	ALGERIA.
21	20 02 20.5	44.8 N	111.6 W	33	3.9	HEBGEN LAKE REGION.
21	20 56 59*	15.1 S	173.0 W	33	5.0	TONGA ISLANDS.
21	23 09 18.8	28.1 N	93.8 E	37	5.9	INDIA-CHINA BORDER REGION. MAG. 6 1/2 (PAS), 6 3/4 (BRK).
22	03 02 16.7	40.4 N	138.7 E	33	4.8	EASTERN SEA OF JAPAN.
22	06 41 33*	38.9 N	75.8 E	120	4.4	SOUTHERN SINKIANG PROV., CHINA.
22	09 54 36.9	36.7 N	141.1 E	40	4.8	NEAR EAST COAST OF HONSHU, JAPAN. FELT AT TOKYO AND IN KANTO AREA.
22	12 37 45.8	23.6 N	142.7 E	86	4.5	VOLCANO ISLANDS REGION.
22	15 10 58*	15.7 N	91.4 W	33	3.8	MEXICO-GUATEMALA BORDER REGION.
22	16 00 00.0					31° 08' 32" N. 89° 34' 12" W. "SALMON" SHOT ELEVATION 754.4 METERS (AEC).
22	16 04 15*	18.8 N	108.0 W	33	4.0	REVILLA GIGEDO ISLANDS REGION. MAG. 3 1/4 (BRK).
23	01 56 03.2	19.8 N	56.0 W	31	6.4	NORTH ATLANTIC OCEAN. FELT ON BOARD R. V. CHAIN LOCATED AT 19 57 N., 55 31 W. MAG. 6 3/4 (PAS), 6 3/4 (BRK).
23	05 06 44*	23.6 S	180.0 W	548	4.2	SOUTH OF FIJI ISLANDS.
23	06 53 25.1	2.7 S	142.1 E	33	4.6	NEAR NORTH COAST OF NEW GUINEA.
23	09 39 06.2	28.2 S	177.3 W	68	4.6	KERMADEC ISLANDS.
23	10 07 35*	30.8 S	64.4 W	79	4.0	CORDOBA PROVINCE, ARGENTINA.
23	11 08 03.1	45.2 N	152.0 E	33	4.9	KURILE ISLANDS REGION.
23	13 57 11*	38.5 N	118.4 W	26	5.0	CALIFORNIA-NEVADA BORDER REGION. FELT AT HAWTHORNE, NEVADA. MAG. 5 1/4 (BRK).
23	15 21 56.8	13.2 N	91.6 W	45	4.0	NEAR COAST OF GUATEMALA.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
23	21 06 24.2	44.0 N	147.5 E	45	5.9	KURILE ISLANDS. MAG. 5 1/4 (BRK).
23	22 22 07*	61.8 N	161.6 W	29	4.0	SOUTHERN ALASKA.
24	00 40 09.4	44.2 N	149.3 E	33	4.4	KURILE ISLANDS.
24	06 37 46*	44.5 N	129.5 W	33	4.5	OFF COAST OF OREGON.
24	06 44 38*	44.4 N	130.0 W	33	4.7	OFF COAST OF OREGON. MAG. 5 3/4 (BRK).
24	06 51 01.9	38.8 N	71.0 E	57	5.1	AFGHANISTAN-USSR BORDER REGION.
24	07 51 31*	60.9 N	146.7 W	33	3.7	SOUTHERN ALASKA.
24	08 46 25.0	24.8 N	122.1 E	63	5.3	TAIWAN REGION. FELT.
24	09 51 27.3	19.1 S	169.7 E	33		NEW HEBRIDES ISLANDS.
24	13 46 19.1	55.8 N	160.4 E	33	5.0	KAMCHATKA.
24	18 38 25.7	66.0 N	145.5 E	33	4.5	EASTERN SIBERIA.
24	22 04 57.5	4.5 S	152.9 E	49	5.8	NEW BRITAIN REGION.
24	22 05 24*	12.6 S	167.5 E	162		SANTA CRUZ ISLANDS.
25	02 09 29*	34.0 N	136.6 E	393	4.1	SOUTHERN HONSHU, JAPAN.
25	03 43 20.0	5.0 N	82.5 W	33	5.1	SOUTH OF PANAMA.
25	06 25 48.6	2.0 S	77.2 W	160	5.3	PERU-ECUADOR BORDER REGION.
25	07 59 58.8	73.5 N	53.7 E	0	4.9	NOVAYA ZEMLYA.
25	10 01 48*	15.3 S	173.3 W	33	5.0	TONGA ISLANDS.
25	12 08 46.9	21.7 S	179.2 W	534	5.5	FIJI ISLANDS REGION.
25	22 56 08*	38.7 N	70.8 E	33	5.0	AFGHANISTAN-USSR BORDER REGION.
25	22 56 32.8	2.0 S	79.0 W	57	5.4	NEAR COAST OF ECUADOR. FELT AT GUAYAQUIL.
26	00 55 22.3	8.9 N	83.9 W	33	4.7	COSTA RICA.
26	01 29 21.1	32.9 N	49.2 E	33		WESTERN IRAN.
26	04 05 37.0	49.1 S	163.7 E	33		AUCKLAND ISLANDS REGION.
26	08 12 10*	6.8 N	73.1 W	165	3.8	NORTHERN COLOMBIA.
26	08 49 56*	7.9 N	37.6 W	33	4.3	CENTRAL MID-ATLANTIC RIDGE.
26	14 22 57.8	2.2 N	126.8 E	48	6.0	MOLUCCA PASSAGE.
26	14 32 49.3	56.8 N	152.3 W	33	5.0	KODIAK ISLAND REGION.
26	15 09 09.3	17.8 S	66.0 W	204	4.4	BOLIVIA.
26	15 16 47.7	42.9 N	94.4 E	33	5.3	NORTHERN SINKIANG PROV., CHINA.
26	17 08 47*	31.7 N	113.6 W	33	4.2	GULF OF CALIFORNIA.
26	20 07 43*	24.0 N	123.4 E	33	4.7	SOUTHWESTERN RYUKYU ISLANDS.
26	21 29 26*	37.1 N	141.9 E	55	3.8	NEAR EAST COAST OF HONSHU, JAPAN.
27	00 32 22*	40.1 N	121.7 W	14	4.4	NORTHERN CALIFORNIA. MAG. 3 1/2 (BRK).
27	01 52 22*	28.4 N	128.8 E	33	4.3	RYUKYU ISLANDS.
27	02 40 20.9	18.9 N	120.9 E	56	4.5	LUZON, PHILIPPINE ISLANDS.
27	06 12 48.8	20.8 S	71.4 W	8	4.4	OFF COAST OF NORTHERN CHILE.

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
27	12 44 27*	57.7 N	152.1 W	33	3.9	KODIAK ISLAND REGION.
27	19 03 14.9	59.6 N	144.4 W	33	4.7	GULF OF ALASKA.
27	19 46 12.0	47.8 N	16.1 E	39	5.6	AUSTRIA. FELT.
27	20 00 35*	27.6 S	176.8 W	168	4.5	KERMADEC ISLANDS.
27	21 24 31.2	45.6 S	96.1 E	33		SOUTHEAST INDIAN RISE. MAG. 6 (PAS).
27	22 36 18*	58.5 S	66.2 W	33	5.4	DRAKE PASSAGE.
28	00 22 07.3	29.6 S	70.7 W	45	4.9	CENTRAL CHILE.
28	00 41 48.2	47.9 N	16.2 E	33		AUSTRIA.
28	01 34 54.5	17.7 N	94.2 W	159	4.6	CHIAPAS, MEXICO.
28	02 33 09*	51.1 N	157.8 E	31	4.6	NEAR EAST COAST OF KAMCHATKA.
28	03 07 07.3	13.4 S	72.6 W	53	4.4	PERU.
28	05 48 45.4	16.6 S	177.2 W	33	4.8	FIJI ISLANDS REGION.
28	08 17 21*	60.8 N	146.9 W	33	3.8	SOUTHERN ALASKA.
28	09 26 02.0	6.1 S	149.3 E	60		NEW BRITAIN REGION.
28	13 10 49.5	6.4 S	154.7 E	90	4.9	SOLOMON ISLANDS.
28	18 24 56.6	6.8 S	155.1 E	85	4.8	SOLOMON ISLANDS.
28	18 56 40.5	44.3 N	149.3 E	19	4.9	KURILE ISLANDS.
28	19 35 15.8	36.1 N	71.3 E	130	5.5	AFGHANISTAN-USSR BORDER REGION.
28	22 59 40.5	47.8 N	16.1 E	33		AUSTRIA.
29	01 14 51.0	52.7 N	168.7 W	33	4.3	FOX ISLANDS, ALEUTIAN ISLANDS.
29	04 28 03.7	47.6 N	16.1 E	33		AUSTRIA.
29	04 36 01*	43.4 N	19.7 E	33	4.9	YUGOSLAVIA. SLIGHT DAMAGE AT UTIN. FELT IN SERBIA.
29	06 51 46*	13.4 S	166.6 E	43	4.9	NEW HEBRIDES ISLANDS.
29	12 21 53*	13.2 N	88.5 W	33	4.0	EL SALVADOR.
29	13 30 44*	26.3 N	96.7 E	170	4.7	BURMA.
29	13 40 36*	41.3 N	29.5 W	33	4.6	AZORES ISLANDS REGION.
29	19 05 43*	22.8 S	65.6 W	127	4.4	JUJUY PROVINCE, ARGENTINA.
29	19 09 59*	17.8 S	168.1 E	33	4.4	NEW HEBRIDES ISLANDS. FELT AT PORT VILA.
29	23 07 41.0	6.9 S	143.6 E	33	4.7	NEW GUINEA.
30	00 22 48.8	38.9 S	74.1 W	33	4.7	OFF COAST OF CENTRAL CHILE.
30	02 10 37.6	35.0 S	107.3 W	33	4.8	EASTER ISLAND CORDILLERA.
30	02 22 50.0	32.6 S	69.9 W	92	4.2	MENDOZA PROVINCE, ARGENTINA.
30	02 53 40.8	12.1 S	65.7 E	28	5.0	MID-INDIAN RISE.
30	16 47 52.7	6.8 N	73.0 W	146	4.5	NORTHERN COLOMBIA.
30	17 13 13.8	56.6 N	152.2 W	33	5.1	KODIAK ISLAND REGION.
30	17 50 47.4	37.7 N	118.2 W	20	4.1	CALIFORNIA-NEVADA BORDER REGION. MAG. 4 (BRK).

DATE 1964	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
30	18 18 07*	37.6 N	118.5 W	20	3.8	CALIFORNIA-NEVADA BORDER REGION. MAG. 3 3/4 (BRK).
30	19 01 46*	37.8 N	118.2 W	20		CALIFORNIA-NEVADA BORDER REGION. MAG. 3 3/4 (BRK).
30	19 03 12.3	37.7 N	118.0 W	20	4.4	CALIFORNIA-NEVADA BORDER REGION. SLIGHT DAMAGE AT DYER, NEVADA AND OASIS, CALIFORNIA. FELT WIDELY IN FISH LAKE VALLEY AREA. MAG. 4 1/2 (BRK).
30	19 40 30*	38.0 N	117.7 W	20		NEVADA.
30	20 04 41*	59.2 N	152.6 W	33	4.1	SOUTHERN ALASKA.
30	21 27 04*	45.1 N	148.5 E	21	4.3	KURILE ISLANDS.
30	23 02 59.5	37.7 N	118.1 W	20	4.1	CALIFORNIA-NEVADA BORDER REGION.
31	02 39 38*	31.6 N	141.6 E	41	4.4	SOUTH OF HONSHU, JAPAN.
31	08 50 14.0	14.4 S	173.0 W	235	4.1	SAMOA ISLANDS REGION.
31	11 57 32*	38.2 N	117.8 W	20	3.7	NEVADA.
31	12 13 27.5	38.2 S	74.1 W	39	4.4	OFF COAST OF CENTRAL CHILE.
31	13 36 44*	55.4 N	160.4 E	33	4.5	KAMCHATKA.
31	14 59 35.6	27.7 N	55.7 E	39		SOUTHERN IRAN.
31	17 04 58.6					37° 06' 26" N. 116° 01' 56" W. NEVADA TEST SITE. "FOREST" SHOT ELEVATION 1094.5 METERS (AEC).
31	18 54 28.6	8.8 N	126.6 E	69	5.4	MINDANAO, PHILIPPINE ISLANDS.
31	19 35 25*	38.0 N	117.8 W	20	4.0	NEVADA.

Date and Station	Phase	(GCT) h m s
OCT 01		
ALQ	EP	00 01 32.0
OCT 01		
RCD	EP	01 09 41.0
	E	10 06.0
OCT 01		
EUR	IP	02 09 59.9
OCT 01		
TUC	EP	02 26 31.2
OCT 1		
H-02 47 43.7		
4.0S 153.5E		
h ABOUT 128KM		
COL	EP	02 59 44.3
OCT 01		
ALQ	E(P)	03 06 01.0
OCT 1		
H-03 50 15.8		
7.1N 072.0W		
h ABOUT 066KM		
TUC	EP	03 58 17.0
HHM	E(P)	03 59 27.4
OCT 01		
TUC	E(P)	04 04 00.2
OCT 01		
COL	EP	04 10 41.3
EUR	IP	04 11 26.9
OCT 01		
COL	E	04 35 29.0
OCT 01		
TUC	E(P)	05 03 08.2
OCT 01		
COL	E(P)	05 56 36.8
OCT 01		
HHM	EP	06 25 40.7
OCT 01		
COL	E(P)	06 56 29.2
	E	57 08.6
OCT 1		
H-07 46 02.0		
14.9N 094.0W		
h ABOUT 094KM		
ALQ	EP	07 51 00.0
TUC	EP	07 51 00.3
BCN	EP	07 51 47.5
COL	EP	07 56 11.9
OCT 1		
H-08 46 36.9		
19.7S 068.8W		
h ABOUT 138KM		
TUC	E(P)	08 57 07.3
BCN	E(P)	08 57 39.0
OCT 1		
H-08 58 25.7		
55.9S 026.8W		
h ABOUT 033KM		
COL	IP'	09 18 13.0
OCT 01		
RCD	E(P)	10 42 33.0
OCT 1		
H-11 00 48.3		
43.5N 126.9W		
h ABOUT 033KM		
UKI	E(P)	11 02 03.0
EUR	IP	11 03 01.0
SLC	E(P)	11 03 24.6
	E	03 32.5
BUT	I(P)	11 03 26.0
BOZ	IP C	11 03 26.7
BCN	EP	11 03 41.2
TUC	EP	11 04 45.7
ALQ	IP C	11 04 57.5
	E	05 05.0
	E	05 09.0
COL	EP	11 06 05.0
OCT 1		
H-12 05 38.9		
31.2N 114.2W		
h ABOUT 033KM		
TUC	EP	12 06 27.5
	E	06 38.5
	ES	07 09.0
BCN	EP	12 06 50.5
	EL	08 29.5
ALQ	E(P)	12 07 29.0
	E	08 10.5
EUR	EP	12 07 44.6
	IL	10 12.7
OCT 01		
TUC	E(P)	12 15 38.2
BCN	EP	12 16 03.2
	EL	17 55.0
ALQ	E(P)	12 16 41.0
	E	17 14.0
EUR	EP	12 16 53.7
OCT 01		
H-12 31 25.3		
45.7N 122.7W		
h ABOUT 034KM		
HHM	E(P)	12 33 01.1
	I	33 28.9
	IL	34 44.8
BUT	E(P)	12 33 09.0
	EL	35 10.0
BOZ	EP	12 33 17.0
	E(S)	34 54.0
EUR	IP	12 33 22.2
OCT 01		
COL	EP	12 43 03.2
OCT 01		
COL	E(P)	12 47 26.0
OCT 01		
COL	E	13 13 11.8
RCD	E(P)	13 14 26.0
OCT 01		
COL	EP	14 28 51.6
OCT 01		
COL	EP	15 34 54.4
EUR	EP	15 35 30.4
OCT 01		
SJG	IP	15 38 12.5
	ES	38 42.5
OCT 01		
HHM	IP	15 42 16.6
	I	42 43.6
OCT 01		
COL	EP	15 50 29.6
OCT 01		
COL	EP	16 25 24.0
OCT 01		
BCN	IP	16 30 01.1
	IS	30 02.7
OCT 01		
ALQ	IP	17 13 10.3
	E	13 45.5
OCT 1		
H-18 19 43.8		
13.6N 090.1W		
h ABOUT 062KM		
ALQ	E(P)	18 25 12.0
TUC	EP	18 25 17.2
BCN	EP	18 26 02.0
EUR	IP	18 26 27.0
OCT 01		
HHM	E(P)	18 29 11.7
OCT 1		
H-18 30 01.9		
49.3N 128.8W		
h ABOUT 009KM		
HHM	IP	18 32 26.1
	E	35 37.1
UKI	E(P)	18 32 35.7
BOZ	EP	18 32 59.7
EUR	IP	18 33 15.9
SLC	E(P)	18 33 31.8
BCN	EP	18 34 00.0
COL	IP	18 34 21.6
TUC	EP	18 34 53.0
ALQ	IP C	18 34 57.0
	E	34 58.8
OCT 01		
RCD	E(P)	20 05 53.0
OCT 01		
HHM	E(P)	20 13 56.7
OCT 01		
EUR	IP	20 26 36.2
OCT 01		
TUC	E(P)	20 38 39.5
OCT 01		
EUR	IP	21 28 39.8
OCT 01		
BOZ	EP	21 38 25.9
HHM	IP	21 38 55.5
OCT 01		
ALQ	E(P)	22 11 33.5
OCT 01		
HHM	EP	22 17 26.8
COL	EP	22 18 08.0
OCT 01		
TUC	E(P)	22 21 25.9
OCT 01		
TUC	E(P)	22 29 27.6
OCT 01		
EUR	EP	23 21 33.4
OCT 02		
COL	EP	00 04 24.3
OCT 2		
H-00 58 39.2		
51.9N 142.9E		
h ABOUT 033KM		
COL	EP	01 05 43.0
HHM	EP	01 08 48.7
	IPCP	09 33.6
BUT	EP	01 09 05.0
	EPCP	09 44.0
BOZ	EP	01 09 09.0

Date and Station	Phase (GCT)
	h m s
SLC EP	01 09 31.9
EUR IP	01 09 25.4
BCN EP	01 09 45.3
TUC EP	01 10 15.0
E(S)	19 44.0
ALQ IP	01 10 16.2
CSC EP	01 11 18.0
KIP ES	01 15 56.0
EL	21 40.0
HON E	01 15 58.0
E	19 40.0
EL	21 42.0
OCT 02	
HON EP	01 16 27.0
OCT 02	
COL EP	01 55 18.0
OCT 02	
EUR EP	02 04 49.1
OCT 02	
ALQ I	02 54 17.0
OCT 02	
COL EP	03 47 16.0
OCT 2	
H-04 31 21.0	
23.6S 179.6W	
h ABOUT 503KM	
TUC EP	04 43 10.5
ALQ E(P)	04 43 30.0
OCT 02	
TUC E(P)	04 56 44.5
OCT 02	
BCN E(P)	06 20 45.0
OCT 02	
COL EP	08 38 55.0
OCT 02	
COL EP	09 43 53.0
ALQ E	09 49 11.0
OCT 2	
H-09 47 27.2	
10.4S 162.4E	
h ABOUT 058KM	
COL IP	09 59 50.2
EUR IP	10 00 22.9
BCN EP	10 00 24.3
TUC E(P)	10 00 35.0
BOZ E(P)	10 00 43.9

Date and Station	Phase (GCT)
	h m s
OCT 02	
COL IP	10 32 34.3
OCT 02	
H-10 39 30.6	
44.9N 111.2W	
h ABOUT 015KM	
BOZ IP	10 39 46.0
IL	39 56.5
BUT E(P)	10 39 57.0
I	39 59.0
IL	40 17.0
HHM EP	10 40 33.7
I	40 44.8
IL	41 34.8
EUR EP	10 41 11.8
OCT 02	
COL E(P)	11 03 14.5
OCT 02	
EUR EP	11 34 43.0
OCT 02	
COL E	11 51 50.0
OCT 02	
COL IP	12 48 32.2
OCT 2	
H-13 00 39.7	
10.5S 162.4E	
h ABOUT 068KM	
GUA IP	13 06 38.0
IS	11 32.0
HON EP	13 09 31.0
KIP EP	13 09 31.0
ES	16 42.0
ESS	20 18.0
EL	22 04.0
HON E(P)	13 09 33.0
IS	16 44.0
ESS	20 18.0
EL	22 04.0
COL IP	13 13 02.6
UKI E(P)	13 13 08.8
EUR IP	13 13 34.9
BCN EP	13 13 35.5
I	13 43.8
HHM EP	13 13 44.4
I*P	13 59.8
TUC EP	13 13 47.2
E	23 40.0
BOZ EP	13 13 55.7
ALQ E(P)	13 14 15.0
OCT 02	
COL EP	13 03 45.0

Date and Station	Phase (GCT)
	h m s
OCT 02	
RCD EP	13 45 54.0
E	46 06.0
OCT 02	
COL EP	15 44 39.0
OCT 02	
SLC EP	16 45 01.1
OCT 2	
H-16 52 06.4	
21.7S 067.7W	
h ABOUT 049KM	
ALQ IP D	17 02 58.3
TUC IP	17 03 00.6
BCN EP	17 03 31.5
EUR IP	17 03 49.4
BOZ EP	17 04 01.7
HHM EP	17 04 18.6
OCT 02	
COL EP	17 26 25.9
OCT 02	
TUC EP	18 44 21.3
EL	44 41.5
ALQ E(P)	18 44 48.0
OCT 02	
COL IP	18 48 20.0
OCT 02	
RCD E(P)	19 00 43.5
ES	00 47.0
OCT 02	
COL EP	19 51 05.9
OCT 02	
H-20 03 00.0	
37.1N 116.0W	
h ABOUT 000KM	
BCN IP C	20 03 26.9
EUR IP	20 03 40.8
SLC E(P)	20 04 15.5
I	04 18.1
I	04 32.9
I	05 37.1
TUC EP	20 04 36.8
E	05 00.0
FGU EP	20 04 39.5
UKI E(P)	20 04 46.0
ALQ IP D	20 04 59.3
I	05 30.0
BOZ EP	20 05 20.6
BUT E(P)	20 05 27.0

Date and Station	Phase (GCT)
	h m s
HHM E(P)	20 05 47.0
E	09 30.4
COL EP	20 09 43.0
OCT 02	
BCN EP	20 29 42.4
IL	30 03.0
OCT 02	
BCN EP	20 35 49.0
EL	36 09.5
EUR IP	20 36 04.3
OCT 2	
H-20 41 47.7	
08.9S 079.7W	
h ABOUT 055KM	
COL E(P)	20 54 37.0
OCT 02	
BCN EP	20 42 22.5
EL	42 43.0
OCT 02	
EUR IP	20 48 46.7
OCT 02	
BOZ IP	21 06 11.1
EL	06 20.6
OCT 02	
COL E	21 16 22.6
OCT 02	
TUC E(P)	21 25 57.2
COL EP	21 32 04.0
OCT 02	
ALQ E(P)	21 51 54.0
OCT 02	
EUR EP	21 56 23.1
OCT 02	
SLC EP	21 59 49.5
OCT 02	
BCN IP	22 01 24.8
OCT 02	
EUR IP	22 20 46.5
OCT 2	
H-22 23 32.4	
59.7N 144.5W	
h ABOUT 022KM	
SIT E(P)	22 24 51.8
E(S)	26 04.0
COL IP	22 24 53.8
I(S)	26 32.0
HHM IP	22 28 16.3
E	36 07.4
BUT EP	22 28 42.0
BOZ IP D	22 28 47.7

Date and Station	Phase (GCT)
	h m s
EUR IP	22 29 14.9
SLC IP	22 29 21.0
FGU EP	22 29 29.5
BCN EP	22 29 46.5
TUC E(P)	22 30 19.4
E	30 24.6
ALQ IP D	22 30 25.1
CSC E(P)	22 32 12.0
HON E	22 37 04.0
EL	40 10.0
PHI E	22 42 08.5
E	44 43.0
KIP ET	23 12 26.0
OCT 02	
EUR EP	22 51 37.4
I	52 19.6
OCT 02	
TUC E(P)	23 00 12.0
OCT 02	
GUA IP	23 12 14.9
IS	12 26.9
OCT 02	
SLC E(P)	23 15 53.0
OCT 02	
ALQ IP C	23 26 09.5
E(S)	26 12.0
RCD E(P)	23 26 55.0
E(S)	26 59.0
OCT 02	
COL EP	23 49 50.8
E(S)	50 48.2
OCT 03	
COL EP	00 16 29.6
OCT 03	
EUR EP	01 11 46.2
OCT 3	
H-01 55 00.2	
21.0S 178.5W	
h ABOUT 547KM	
EUR IP	02 06 32.8
TUC EP	02 06 33.0
ALQ I	02 06 53.7
COL IP	02 06 54.2
OCT 03	
COL IP	01 59 28.2
OCT 03	
COL EP	04 48 02.0

Date and Station	Phase (GCT)
	h m s
OCT 03	
COL E(P)	05 01 57.8
OCT 03	
TUC E(P)	05 18 28.7
OCT 03	
COL E(P)	05 41 14.5
OCT 03	
ALQ I	06 22 42.8
E	52 12.0
OCT 03	
COL EP	06 42 51.4
TUC E(P)	06 49 09.2
E	49 36.0
OCT 03	
TUC E(P)	07 14 55.5
E	15 59.8
OCT 03	
COL EP	08 00 16.0
OCT 03	
TUC E(P)	08 12 06.5
OCT 03	
COL IP	08 29 06.1
TUC E(P)	08 34 26.0
E	34 45.5
OCT 03	
TUC E(P)	08 40 22.5
OCT 03	
ALQ E	08 42 04.0
OCT 03	
COL E	09 56 11.8
OCT 03	
TUC E(P)	10 03 53.3
OCT 03	
ALQ E	10 05 35.0
OCT 03	
BOZ EP	12 21 40.2
OCT 03	
COL EP	12 45 23.0
OCT 3	
H-12 49 31.5	
10.7S 075.3W	
h ABOUT 154KM	
ALQ IP D	12 58 42.8
TUC EP	12 58 46.0
EUR IP	12 59 41.9
BOZ EP	12 59 56.2
COL EP	13 02 24.0

Date and Station	Phase (GCT)
	h m s
OCT 3	
H-13 39 39.9	
61.4N 147.1W	
h ABOUT 048KM	
COL IP	13 40 33.7
E(S)	41 24.0
SIT E(P)	13 41 23.6
HHM IP C	13 44 39.0
EL	51 50.5
BUT E(P)	13 45 08.5
IL	53 23.0
BOZ EP	13 45 09.2
UKI E(P)	13 45 15.0
EUR IP	13 45 38.1
SLC IP	13 45 42.1
BCN EP	13 46 09.5
ALQ IP D	13 46 45.5
TUC EP D	13 46 50.0
OCT 03	
COL IP	13 50 52.3
OCT 03	
COL EP	14 09 11.0
OCT 3	
H-15 05 19.5	
59.1N 153.2W	
h ABOUT 060KM	
COL IP	15 06 51.9
OCT 03	
TUC E(P)	15 58 21.3
OCT 03	
BOZ EP	16 17 39.4
OCT 3	
H-17 02 48.0	
18.1S 178.8W	
h ABOUT 673KM	
BCN EP	17 13 57.0
EUR IP	17 14 01.6
TUC EP	17 14 02.6
COL IP	17 14 19.5
E*P	16 32.0
ALQ EP	17 14 23.5
BOZ EP	17 14 28.9
OCT 03	
TUC EP	17 04 51.0
OCT 03	
COL EP	17 13 56.0

Date and Station	Phase (GCT)
	h m s
OCT 03	
COL E(P)	19 13 13.9
ALQ E	19 16 17.0
E	41 08.0
OCT 03	
EUR EP	19 37 22.1
OCT 03	
ALQ EP	19 41 08.0
OCT 03	
ALQ E	20 19 06.0
OCT 3	
H-20 41 33.5	
45.3N 150.0E	
h ABOUT 048KM	
COL IP	20 48 53.2
BOZ EP	20 52 05.9
EUR IP	20 52 16.2
OCT 03	
BOZ EP	21 06 10.2
OCT 03	
COL E(P)	21 17 30.7
OCT 03	
COL EP	21 27 37.0
OCT 03	
COL IP	21 38 23.0
OCT 03	
ALQ E	21 58 54.0
OCT 3	
H-22 00 53.8	
10.3S 164.5E	
h ABOUT 066KM	
COL EP	22 13 12.0
BCN EP	22 13 39.5
EUR IP	22 13 40.7
TUC E(P)	22 13 49.6
ALQ EP	22 14 11.0
OCT 03	
SLC E(P)	22 03 29.4
EUR EP	22 04 19.8
OCT 03	
EUR IP	22 21 51.4
OCT 3	
H-22 41 09.0	
20.2S 176.3W	
h ABOUT 219KM	
KIP IP	22 49 05.4
TUC EP	22 53 04.3
E	54 11.0

Date and Station	Phase (GCT)
	h m s
ALQ E	22 53 26.0
E	54 31.0
OCT 03	
ALQ EP	22 54 31.5
OCT 03	
TUC E(P)	23 01 19.0
E	01 45.0
OCT 03	
TUC E(P)	23 05 26.5
OCT 03	
TUC E(P)	23 07 49.0
OCT 03	
TUC EP	23 11 36.0
SLC EP	23 13 10.4
OCT 04	
COL E(P)	00 09 56.1
OCT 04	
COL IP	00 44 43.8
OCT 04	
TUC E(P)	00 52 45.0
ALQ E	00 53 05.8
OCT 04	
HON E	01 02 40.0
EL	17 24.0
OCT 04	
TUC E(P)	01 04 48.0
OCT 04	
COL E	01 11 49.0
OCT 4	
H-01 46 53.8	
39.4N 015.4E	
h ABOUT 261KM	
ALQ E	01 59 19.5
OCT 04	
COL E(P)	01 55 33.8
OCT 04	
COL EP	02 11 26.0
OCT 04	
COL EP	02 50 56.0
OCT 04	
HHM IP	03 43 18.1
I	43 45.6
BOZ E(P)	03 43 32.0
RCD E	03 46 50.0
OCT 04	
TUC E(P)	04 18 30.0
OCT 04	
COL EP	04 34 36.3
E	34 49.0

Date and Station	Phase (GCT)
	h m s
OCT 04	
TUC E(P)	04 59 08.4
OCT 04	
HHM EP	05 27 58.1
COL EP	05 28 55.1
OCT 04	
EUR EP	05 34 16.2
OCT 04	
TUC E(P)	05 54 39.4
OCT 04	
COL E(P)	06 52 05.0
OCT 4	
H-07 00 57.1	
27.9N 069.2E	
h ABOUT 014KM	
COL IP	07 13 23.9
OCT 04	
COL IP	07 48 22.0
OCT 04	
TUC EP	09 33 24.0
BCN E(P)	09 33 43.0
COL E(P)	09 39 56.8
OCT 04	
BOZ EP	09 42 07.7
BCN E(P)	09 42 54.5
TUC IP	09 42 59.1
COL E(P)	09 47 43.2
OCT 04	
COL E	11 11 31.9
EUR EP	11 14 10.0
OCT 04	
HHM E(P)	11 28 04.7
OCT 04	
TUC E(P)	11 34 55.0
BOZ E(P)	11 37 46.0
OCT 4	
H-12 27 37.2	
17.7S 178.3W	
h ABOUT 576KM	
COL IP	12 39 15.0
OCT 04	
COL E(P)	12 45 41.5
OCT 04	
COL E	13 02 45.1
OCT 04	
BCN E(P)	14 04 51.5
COL E	14 05 37.6

Date and Station	Phase (GCT)
	h m s
OCT 04	
EUR IP	14 38 04.2
UKI IP	14 39 01.2
E	39 04.0
OCT 04	
COL EP	14 50 16.0
OCT 04	
COL E	15 41 31.9
OCT 04	
EUR IP	15 52 14.4
OCT 04	
TUC E(P)	15 59 42.0
OCT 04	
BOZ E(P)	16 25 03.0
OCT 4	
H-16 27 29.4	
66.1N 154.3W	
h ABOUT 033KM	
COL EP	16 28 15.0
OCT 04	
COL EP	16 41 14.0
OCT 04	
EUR IP	17 03 28.5
OCT 04	
COL EP	17 11 05.0
OCT 04	
COL EP	17 48 17.0
OCT 04	
COL E(P)	18 42 14.0
OCT 04	
TUC E(P)	18 51 21.8
OCT 04	
TUC E(P)	19 14 45.1
OCT 04	
COL EP	19 25 04.0
OCT 04	
COL EP	19 35 39.0
OCT 04	
ALQ E	20 00 24.6
E	04 39.0
OCT 04	
COL EP	20 37 04.0
OCT 04	
EUR EP	20 48 27.6
OCT 04	
BCN IP	21 31 27.7
IS	31 42.0
EUR EP	21 31 47.9
OCT 04	
TUC E(P)	21 50 35.0

Date and Station	Phase (GCT)
	h m s
OCT 04	
EUR IP	22 23 00.5
OCT 04	
TUC E(P)	22 29 35.5
E	30 03.5
OCT 04	
BCN EP	22 31 13.5
OCT 4	
H-22 57 03.4	
37.8N 020.9E	
h ABOUT 090KM	
BOZ E(P)	23 09 39.2
OCT 05	
ALQ E	01 15 23.0
OCT 05	
BCN EP	01 21 56.3
IS	22 37.3
IL	22 52.5
TUC EP	01 22 14.6
EUR IP	01 22 40.1
I	23 11.1
ALQ EP	01 22 59.5
E	23 41.8
E	27 28.5
OCT 05	
H-01 24 53.3	
32.8N 115.7W	
h ABOUT 015KM	
BCN EP	01 25 44.3
IS	26 24.3
IL	26 39.5
TUC E(P)	01 25 58.4
EUR I	01 26 31.6
I	28 29.3
OCT 05	
BCN E(P)	01 32 15.5
E(S)	32 56.0
EL	33 11.0
OCT 05	
BCN E(P)	01 48 01.5
E(S)	48 42.5
EL	48 57.6
EUR EP	01 48 12.2
TUC E(P)	01 48 20.6
OCT 05	
BCN EP	01 53 00.3
ES	53 40.0
EL	53 55.0
TUC E(P)	01 53 15.5
EUR EP	01 53 46.7
ALQ E	01 54 20.0

Date and Station	Phase	(GCT) h m s
OCT 05		
COL	EP	02 12 13.0
OCT 05		
COL	EP	02 44 00.0
OCT 5		
H-03 25 57.2		
41.9N 142.2E		
h ABOUT 033KM		
COL	IP	03 34 09.8
BCN	EP	03 37 39.0
ALQ	I	03 38 09.8
OCT 05		
TUC	E(P)	03 27 39.5
OCT 05		
TUC	E(P)	03 31 23.3
OCT 5		
H-03 35 08.4		
42.6N 142.6E		
h ABOUT 038KM		
COL	IP	03 43 13.9
HHM	IP D	03 46 00.3
BUT	EP	03 46 02.0
BOZ	EP	03 46 18.7
EUR	IP	03 46 28.0
BCN	EP	03 46 46.2
OCT 05		
BUT	E(P)	03 45 42.0
OCT 05		
COL	EP	03 51 28.0
OCT 05		
TUC	EP	04 13 09.2
OCT 05		
COL	E(P)	04 20 51.4
OCT 05		
COL	E(P)	04 27 22.1
OCT 05		
COL	E	04 47 17.8
OCT 05		
COL	EP	04 51 40.3
	E	51 55.7
OCT 05		
TUC	E(P)	05 55 17.3
COL	E	05 56 42.0
OCT 5		
H-06 24 01.0		
18.2S 177.7W		
h ABOUT 334KM		
TUC	EP	06 35 43.0
COL	IP	06 36 03.8
OCT 05		
COL	E	06 39 38.4
OCT 05		
COL	EP	06 53 05.0
OCT 05		
COL	E(P)	07 04 53.4
OCT 05		
COL	EP	07 27 41.0
OCT 05		
COL	E	07 34 42.8
OCT 05		
COL	EP	07 42 15.0
OCT 05		
TUC	E(P)	08 12 46.6
OCT 05		
BCN	E(P)	08 14 27.4
OCT 05		
BCN	E(P)	08 29 03.0
	EL	47 01.5
OCT 5		
H-08 30 15.7		
16.7S 173.7W		
h ABOUT 033KM		
BCN	EP	08 42 04.8
TUC	EP	08 42 10.0
EUR	IP	08 42 11.3
ALQ	IP D	08 42 34.2
HHM	EP	08 42 38.6
BUT	EP	08 42 40.1
BOZ	EP	08 42 43.0
OCT 05		
COL	EP	08 41 24.0
OCT 05		
EUR	IP	09 33 28.3
OCT 05		
TUC	E(P)	09 40 28.6
OCT 05		
TUC	E(P)	09 56 02.5
	E	56 11.0
OCT 05		
TUC	E(P)	10 09 36.7
OCT 05		
EUR	IP	10 16 45.3
OCT 05		
COL	EP	11 45 36.0
OCT 05		
COL	EP	11 52 37.6
OCT 05		
COL	E(P)	12 00 06.0
OCT 05		
COL	E(P)	12 08 37.6
OCT 5		
H-12 24 06.4		
16.6S 174.2W		
h ABOUT 084KM		
BCN	EP	12 35 51.2
TUC	EP	12 35 56.4
EUR	IP	12 35 57.8
ALQ	I	12 36 20.8
COL	IP	12 36 26.5
BOZ	EP	12 36 29.2
OCT 5		
H-13 12 15.5		
22.3S 171.6E		
h ABOUT 145KM		
BCN	EP	13 25 02.8
	E	25 33.5
	EpP	25 43.1
EUR	IP	13 25 06.3
TUC	EP	13 25 08.2
	E	25 38.3
COL	IP	13 25 08.8
	I	25 37.1
ALQ	E	13 25 28.0
OCT 05		
TUC	E(P)	13 48 41.0
OCT 5		
H-13 58 56.9		
22.2S 175.8W		
h ABOUT 033KM		
BCN	EP	14 11 15.5
EUR	IP	14 11 21.4
ALQ	IP C	14 11 41.3
HHM	EP	14 11 51.0
BOZ	E(P)	14 11 51.2
COL	IP	14 11 51.2
OCT 05		
COL	EP	14 42 49.9
OCT 05		
BOZ	IP	14 49 59.0
	E(S)	50 03.5
OCT 05		
HHM	E(P)	14 50 58.0
	I	51 46.7
TUC	E(P)	14 52 38.5
OCT 05		
TUC	E(P)	14 54 57.7
OCT 05		
BCN	IP C	15 04 56.2
	IS	04 57.2
OCT 05		
EUR	EP	16 07 45.4
OCT 05		
BHP	IP	16 40 46.0
	IS	41 02.0
OCT 05		
ALQ	E(P)	17 36 26.0
OCT 05		
BHP	IP	19 55 31.0
	IS	55 47.0
OCT 05		
ALQ	IP D	20 02 56.2
	E(S)	03 35.0
OCT 05		
HHM	EP	20 32 41.9
OCT 05		
COL	EP	21 06 08.0
OCT 05		
TUC	E(P)	21 42 11.1
OCT 05		
SLC	EP	21 59 56.0
OCT 5		
H-22 10 16.5		
36.0N 141.2E		
h ABOUT 062KM		
COL	EP	22 19 06.0
HHM	EP	22 21 37.0
EUR	IP	22 22 02.9
BCN	EP	22 22 18.2
	E	22 29.6
TUC	EP	22 22 43.1
ALQ	IP	22 22 49.3
	E	26 56.0
OCT 05		
COL	EP	22 23 12.0
EUR	IP	22 26 10.7
OCT 5		
H-22 58 04.9		
13.8N 091.3W		
h ABOUT 033KM		
ALQ	IP	23 03 29.5
TUC	EP	23 03 33.7
EUR	IP	23 04 45.5
COL	IP	23 08 33.0

Date and Station	Phase (GCT)
	h m s
OCT 05	
COL E(P)	22 59 38.8
OCT 05	
COL EP	23 09 08.0
OCT 05	
TUC IP	23 14 09.9
OCT 05	
FGU E(P)	23 22 17.3
OCT 05	
ALQ E	23 44 00.0
OCT 06	
TUC E(P)	00 44 43.5
OCT 06	
BOZ E(P)	01 14 41.4
ALQ E	01 15 27.0
OCT 6	
H-01 37 20.5	
56.5N 152.7W	
h ABOUT 033KM	
COL IP	01 39 26.9
HHM EP	01 42 40.4
EUR IP	01 43 22.4
TUC E(P)	01 44 33.7
OCT 06	
COL EP	01 59 43.0
OCT 6	
H-02 19 33.3	
17.7N 095.6W	
h ABOUT 131KM	
ALQ IP C	02 23 54.5
E	23 57.0
TUC EP	02 23 58.0
BCN EP	02 24 47.5
E	25 04.4
E(pP)	25 12.9
EUR IP	02 25 14.4
BOZ EP	02 25 39.4
HHM E(P)	02 26 07.2
COL IP	02 29 17.2
OCT 6	
H-02 54 32.7	
30.3N 094.6E	
h ABOUT 033KM	
COL EP	03 06 03.0
OCT 06	
EUR EP	03 16 37.4
I	18 52.1
OCT 06	
COL E	03 40 54.7

Date and Station	Phase (GCT)
	h m s
OCT 06	
COL E(P)	05 03 25.8
OCT 06	
SJP IP	05 04 23.6
IS	04 45.0
OCT 06	
ALQ E	06 10 44.0
COL EP	06 13 55.0
OCT 6	
H-06 11 32.6	
18.6N 119.6E	
h ABOUT 033KM	
GUA E(P)	06 16 43.0
COL EP	06 23 08.0
HHM EP	06 25 08.8
OCT 06	
COL E	06 18 34.4
OCT 06	
COL EP	07 00 39.8
E	00 50.8
OCT 6	
H-07 17 57.1	
36.2S 100.9W	
h ABOUT 033KM	
BHP IP	07 26 43.0
I	27 16.0
SJP EP	07 28 25.0
TUC EP	07 28 57.6
E(S)	38 05.0
ALQ EP	07 29 13.5
E	29 22.0
E(S)	38 28.0
BCN EP	07 29 26.0
E	29 32.6
EUR IP	07 29 45.6
UKI E(P)	07 29 48.6
SLC EP	07 29 51.5
RCD EP	07 30 06.5
E	30 42.0
BOZ EP	07 30 15.0
E	30 24.7
HHM EP	07 30 30.7
I	30 36.3
I	31 14.3
HON ES	07 40 05.0
EPPS	41 03.0
ESS	44 54.0
E	51 20.0
EL	54 35.0

Date and Station	Phase (GCT)
	h m s
KIP ES	07 40 08.0
EPPS	41 02.0
EL	54 52.0
OCT 06	
COL E(P)	07 44 15.1
OCT 06	
COL EP	07 46 06.0
OCT 06	
COL E(P)	08 18 15.1
OCT 06	
GUA E(P)	09 55 44.0
OCT 06	
GUA E(P)	10 00 25.0
COL E(P)	10 04 29.2
OCT 6	
H-10 06 17.9	
02.6N 095.3W	
h ABOUT 033KM	
TUC EP	10 12 51.0
ALQ E	10 12 59.0
BCN EP	10 13 34.0
EUR IP	10 14 02.9
BOZ E(P)	10 14 32.7
OCT 06	
COL EP	12 05 21.0
OCT 06	
COL E(P)	13 40 39.2
OCT 6	
H-14 29 55.6	
40.2N 028.1E	
h ABOUT 010KM	
COL EP	14 41 38.7
RCD EP D	14 42 34.0
BUT EP	14 42 40.3
BOZ EP	14 42 44.0
EUR IP	14 43 16.1
I	44 40.0
ALQ E(P)	14 43 17.0
BCN EP	14 43 29.5
TUC EP	14 43 35.5
OCT 6	
H-14 31 19.2	
40.3N 028.2E	
h ABOUT 010KM	
COL IP	14 43 03.5
SJP EP	14 43 39.0

Date and Station	Phase (GCT)
	h m s
SIT EP	14 43 41.6
E(S)	54 04.0
RCD IP D	14 43 57.0
E	44 04.0
E	44 32.0
HHM IP	14 43 59.1
BUT IP	14 44 05.3
BOZ IP	14 44 07.7
SLC IP	14 44 26.6
ALQ IP	14 44 39.3
UKI E(P)	14 44 50.5
E(PP)	48 56.0
BCN EP	14 44 52.9
EPP	48 50.5
PKKP	15 01 37.0
E	02 12.0
EP'P'	09 47.0
BHP IP	14 44 54.0
TUC EP	14 44 58.0
EPP	48 55.7
ESKS	55 25.0
EPKKP	15 01 33.0
EP'P'	09 51.5
GUA EP	14 45 08.0
HON E	14 51 32.0
E	15 01 22.0
E	08 07.0
EL	12 42.0
PHI E	14 52 14.2
I	52 31.0
CSC E	14 58 37.0
OCT 06	
SLC E(P)	14 42 17.9
E	43 04.1
OCT 06	
COL E	15 24 47.7
OCT 06	
TUC E(P)	16 57 23.5
E	58 14.8
OCT 06	
TUC E(P)	17 01 40.0
E	01 43.0
EL	02 27.0
OCT 06	
ALQ IP	18 17 12.2
I	28 37.8
OCT 6	
H-18 19 07.5	
13.4S 075.8W	
h ABOUT 117KM	
ALQ EP	18 28 37.5
BOZ E(P)	18 29 50.2

Date and Station	Phase (GCT) h m s
OCT 06	
EUR IP	18 24 41.4
OCT 6	
H-18 24 57.0	
70.9N 005.7W	
h ABOUT 033KM	
COL EP	18 32 47.0
TUC EP	18 35 33.5
OCT 06	
EUR EP	18 38 37.6
OCT 06	
ALQ I	19 09 34.0
OCT 6	
H-19 12 12.0	
16.1S 168.6E	
h ABOUT 021KM	
UKI E(P)	19 24 41.5
COL IP	19 24 56.0
BCN E	19 25 07.5
EUR IP	19 25 08.0
TUC EP	19 25 16.2
BOZ EP	19 25 31.3
ALQ EP	19 25 34.5
OCT 06	
TUC E(P)	19 22 28.0
OCT 06	
BHP IP C	19 28 15.5
IS	29 28.0
OCT 6	
H-20 19 34.1	
29.3N 080.9E	
h ABOUT 027KM	
COL IP	20 31 36.0
OCT 06	
TUC E(P)	20 30 13.0
I	30 18.0
E	30 27.4
OCT 06	
COL EP	20 53 53.0
TUC E(P)	20 59 52.8
E	21 00 16.0
OCT 06	
TUC E(P)	21 02 43.5
OCT 06	
ALQ E	21 05 09.0
OCT 06	
EUR EP	21 27 50.6
OCT 06	
COL EP	21 36 11.0
OCT 06	
ALQ IP D	21 48 38.0
COL E(P)	21 48 59.2
EUR EP	21 49 25.6
OCT 06	
ALQ EP	22 14 07.8
COL EP	22 20 01.0
OCT 06	
TUC E(P)	22 26 46.5
OCT 06	
EUR EP	22 37 52.7
OCT 06	
EUR EP	22 39 20.8
I	40 29.0
OCT 06	
TUC E(P)	23 00 51.3
OCT 06	
TUC E(P)	23 01 28.3
OCT 07	
SIT IP	00 22 01.0
OCT 7	
H-00 54 18.0	
53.0N 036.2W	
h ABOUT 033KM	
BOZ E(P)	01 02 53.0
ALQ I	01 03 24.8
TUC EP	01 03 55.2
OCT 07	
BOZ E(P)	01 07 03.0
OCT 07	
ALQ E	01 22 00.2
OCT 07	
GUA IP	01 33 33.4
ES	33 47.3
OCT 7	
H-01 24 45.2	
20.7S 177.8W	
h ABOUT 328KM	
EUR IP	01 36 35.7
TUC EP	01 36 36.3
ALQ IP	01 36 57.2
BOZ EP	01 37 04.0
OCT 7	
H-03 52 11.3	
6.8S 155.2E	
h ABOUT 070KM	
COL IP	04 04 28.1
EUR IP	04 05 21.1
BOZ EP	04 05 36.6
OCT 07	
EUR IP	04 23 22.4
OCT 07	
COL EP	05 40 06.0
OCT 07	
RCD EP	05 40 09.5
E(S)	40 29.0
ALQ E	05 42 30.0
OCT 07	
ALQ E(P)	05 44 23.0
OCT 07	
BCN E(P)	07 08 26.2
EL	09 28.7
OCT 07	
EUR IP	07 37 45.0
I	37 48.7
OCT 07	
COL E	09 00 47.0
OCT 07	
TUC E(P)	09 45 23.2
OCT 07	
COL E	10 11 05.3
OCT 7	
H-11 03 55.0	
51.9N 173.3W	
h ABOUT 033KM	
COL E(P)	11 08 09.0
HHM EP	11 11 05.3
BOZ EP	11 11 27.7
EUR EP	11 11 34.8
BCN E(P)	11 12 10.5
TUC E(P)	11 12 35.6
ALQ E	11 12 48.0
OCT 07	
COL E(P)	11 45 36.2
OCT 07	
TUC EP	12 21 57.2
ALQ E	12 22 22.0
COL EP	12 22 29.0
OCT 07	
COL E(P)	12 41 29.8
OCT 07	
ALQ E	13 38 00.0
OCT 07	
BCN IP	14 12 07.6
IS	12 09.0
OCT 07	
TUC E(P)	14 56 56.3
COL EP	14 57 50.9
OCT 07	
COL IP	15 39 30.5
OCT 07	
EUR EP	16 08 49.0
OCT 07	
EUR EP	16 40 42.7
OCT 7	
H-17 02 34.4	
06.3S 078.6W	
h ABOUT 023KM	
ALQ I(P)	17 11 20.0
OCT 07	
EUR IP	17 03 09.2
OCT 07	
TUC EP	17 17 10.0
EL	17 26.8
OCT 07	
GUA IP	17 23 27.6
IS	23 42.8
OCT 7	
H-17 26 25.2	
43.5N 126.0W	
h ABOUT 023KM	
BOZ E(P)	17 28 57.4
OCT 07	
TUC EP	18 17 20.6
EL	17 41.0
ALQ IP D	18 17 52.9
OCT 07	
EUR EP	18 46 36.2
OCT 07	
TUC E(P)	18 52 37.1
OCT 07	
BOZ EP	19 12 58.2
OCT 07	
TUC E(P)	19 19 44.5
E	19 50.0
OCT 07	
COL EP	19 44 50.0
OCT 7	
H-20 05 36.7	
59.0N 148.8W	
h ABOUT 033KM	
COL IP	20 07 04.3
HHM EP	20 10 38.6
BOZ EP	20 11 09.0
TUC EP	20 12 44.6

Date and Station	Phase (GCT)
	h m s
OCT 07	
BOZ IP C	20 38 48.0
EL	38 56.5
OCT 07	
BOZ E(P)	20 52 31.0
EUR EP	20 53 05.6
OCT 07	
EUR EP	21 03 24.8
OCT 07	
EUR EP	21 24 42.2
I	24 56.3
OCT 07	
TUC E(P)	21 27 14.2
E	27 41.0
OCT 07	
ALQ E	21 32 28.0
OCT 07	
RCD EP	21 40 41.0
E	40 55.0
OCT 07	
COL E(P)	21 54 09.0
OCT 07	
SLC EP	22 01 24.3
IS	01 51.5
EUR EP	22 02 08.8
OCT 07	
TUC E(P)	22 04 18.2
EL	04 36.3
OCT 07	
ALQ E	22 05 36.5
OCT 07	
TUC E(P)	22 27 41.8
EL	28 08.3
OCT 07	
TUC EP	22 37 26.9
OCT 07	
TUC EP	22 57 44.7
OCT 7	
H-23 04 47.9	
32.7N 083.9E	
h ABOUT 033KM	
COL EP	23 16 25.0
OCT 7	
H-23 07 52.0	
40.1N 028.2E	
h ABOUT 032KM	
BOZ E(P)	23 20 38.5
OCT 07	
TUC E(P)	23 22 55.0
OCT 08	
COL EP	01 19 45.0

Date and Station	Phase (GCT)
	h m s
OCT 08	
TUC EP	01 42 53.0
OCT 08	
TUC E(P)	02 05 16.3
E	05 36.8
OCT 8	
H-03 15 41.6	
18.3S 174.8W	
h ABOUT 097KM	
TUC EP	03 27 38.4
COL IP	03 28 09.5
OCT 08	
COL EP	03 39 03.0
OCT 08	
GUA IP	04 05 16.1
ES	05 42.0
OCT 08	
HHM E(P)	04 12 03.0
OCT 08	
HHM E(P)	05 00 20.2
I(L)	01 06.5
BOZ E(P)	05 00 39.0
BUT E(P)	05 01 43.0
OCT 08	
UKI E(P)	06 38 59.0
OCT 08	
COL E	07 12 55.0
OCT 08	
TUC E(P)	07 22 42.5
OCT 08	
BOZ EP	07 43 10.5
EUR EP	07 43 49.3
OCT 08	
HHM E(P)	07 44 37.0
OCT 08	
COL E(P)	08 25 30.7
OCT 08	
COL E	09 30 52.0
OCT 08	
HHM E(P)	10 06 07.7
OCT 8	
H-10 39 13.0	
06.5S 154.4E	
h ABOUT 074KM	
COL EP	10 51 26.0
EUR IP	10 52 22.9
OCT 08	
BCN EP	10 42 26.5

Date and Station	Phase (GCT)
	h m s
OCT 8	
H-10 55 26.0	
02.6S 079.1W	
h ABOUT 131KM	
ALQ EP	11 03 33.0
TUC E(P)	11 03 36.9
OCT 08	
ALQ E	12 00 00.0
OCT 08	
BCN EP	12 07 52.8
EL	10 51.5
OCT 08	
ALQ E(P)	12 26 59.0
OCT 08	
ALQ E	12 32 12.0
OCT 8	
H-12 35 34.7	
27.3N 110.9W	
h ABOUT 033KM	
TUC EP	12 36 49.1
ALQ E(P)	12 37 40.0
EUR IP	12 38 42.0
BOZ E(P)	12 39 51.0
OCT 08	
ALQ I	13 12 31.0
OCT 08	
COL EP	13 56 04.0
OCT 8	
H-14 38 01.8	
22.6S 069.4W	
h ABOUT 033KM	
ALQ I	14 48 55.3
TUC EP	14 48 56.0
OCT 08	
EUR IP	14 43 38.0
ES	53 57.0
OCT 08	
EUR EP	15 33 48.1
I	34 50.0
OCT 8	
H-16 53 23.0	
52.8N 168.0W	
h ABOUT 033KM	
COL EP	16 57 06.0
HHM EP	17 00 05.1
EPCP	02 41.6
BOZ EP	17 00 28.5
E	00 34.0
EUR IP	17 00 37.0
BCN EP	17 01 01.8

Date and Station	Phase (GCT)
	h m s
TUC EP	17 01 40.2
ALQ IP	17 01 47.5
OCT 08	
SLC EP	17 32 21.4
ES	32 42.5
EUR EP	17 33 09.7
OCT 08	
TUC E(P)	17 56 06.8
OCT 08	
FGU EP	17 59 21.5
ES	59 44.3
BOZ EP	17 59 52.3
OCT 08	
EUR EP	18 48 02.5
I	50 05.4
OCT 08	
SJG EP	18 51 42.5
I	51 51.0
OCT 08	
COL EP	19 19 24.9
OCT 08	
ALQ E(P)	20 07 33.0
COL E(P)	20 07 45.0
OCT 08	
SJG IP C	20 15 26.7
IS	15 38.2
OCT 08	
COL EP	20 25 02.5
OCT 08	
HHM IP	20 45 50.1
IS	45 58.1
OCT 08	
ALQ EP	21 37 38.0
E(S)	38 11.0
OCT 08	
TUC E(P)	21 42 38.9
OCT 08	
TUC E(P)	21 53 45.8
OCT 08	
EUR IP	22 04 07.1
OCT 08	
EUR IP	22 06 48.9
OCT 08	
TUC IP	22 16 42.7
OCT 08	
BOZ EP	22 19 26.0
E(L)	19 47.0
OCT 08	
EUR EP	22 25 05.7
OCT 08	
TUC EP	23 00 20.5

Date and Station	Phase	(GCT) h m s
OCT 08		
TUC	E(P)	23 40 48.0
OCT 09		
SLC	EP	00 04 46.0
	IS	05 08.0
EUR	EP	00 05 30.3
OCT 9		
H-00 14 22.3		
35.0S 115.0W		
h ABOUT 033KM		
TUC	E(P)	00 25 08.7
OCT 09		
EUR	EP	00 25 02.9
OCT 9		
H-00 33 46.2		
38.9N 110.9W		
h ABOUT 033KM		
FGU	IP	00 34 25.5
	IS	34 56.5
EUR	EP	00 34 48.0
ALQ	E(P)	00 35 04.0
TUC	E(P)	00 35 41.7
OCT 09		
COL	EP	00 43 58.1
OCT 09		
H-02 26 02.8		
47.8N 114.1W		
h ABOUT 033KM		
HHM	IP	02 26 13.7
	IS	26 21.0
BUT	IP	02 26 36.1
	ES	27 00.0
BOZ	EP	02 26 46.0
	EL	27 27.5
OCT 09		
COL	EP	03 08 18.8
	E(S)	09 11.4
OCT 09		
RCD	EP	03 58 43.0
OCT 09		
TUC	E(P)	04 19 34.4
OCT 09		
HHM	EP	06 28 04.5
OCT 09		
COL	E	06 33 28.6
OCT 09		
EUR	IP	07 56 21.9
OCT 09		
GUA	EP	08 53 10.9

Date and Station	Phase	(GCT) h m s
OCT 9		
H-09 11 53.6		
60.0N 143.7W		
h ABOUT 033KM		
COL	IP	09 13 11.8
HHM	EP	09 16 33.3
BOZ	E(P)	09 17 06.0
OCT 09		
COL	EP	10 05 01.7
	E(S)	05 45.1
OCT 09		
COL	IP	10 06 45.6
	I	06 52.3
OCT 9		
H-11 27 57.0		
18.4N 068.9W		
h ABOUT 178KM		
SJG	IP	11 28 41.6
ALQ	EP	11 34 53.0
TUC	EP	11 35 17.0
BCN	EP	11 35 50.3
BOZ	EP	11 35 52.9
	E	36 49.0
EUR	IP	11 36 03.0
HHM	EP	11 36 12.8
COL	EP	11 38 44.0
OCT 09		
COL	E(P)	12 28 52.6
OCT 9		
H-12 43 04.5		
28.4N 138.8E		
h ABOUT 520KM		
GUA	E(P)	12 46 22.6
COL	EP	12 52 04.7
HHM	IP	12 54 19.4
BOZ	EP C	12 54 33.4
EUR	IP	12 54 36.4
BCN	EP	12 54 49.5
RCD	EP	12 55 01.5
TUC	EP	12 55 11.7
ALQ	IP D	12 55 19.0
OCT 09		
SJG	EP	13 52 46.5
	ES	53 38.0
BCN	IP C	13 59 02.8

Date and Station	Phase	(GCT) h m s
OCT 09		
H-14 00 00.1		
37.2N 116.1W		
h ABOUT 000KM		
BCN	IP C	14 00 28.7
EUR	IP	14 00 40.4
SLC	IP	14 01 18.7
	I	01 33.9
	I	02 36.4
TUC	EP	14 01 37.5
	E	01 46.2
	E	02 01.8
UKI	E(P)	14 01 44.0
ALQ	IP	14 02 00.3
BOZ	EP	14 02 17.9
BUT	EP	14 02 20.0
	EL	04 52.0
HHM	EP	14 02 47.1
	EL	05 49.4
COL	EP	14 06 43.0
OCT 09		
COL	EP	14 26 18.4
OCT 09		
COL	E(P)	14 53 03.3
OCT 09		
COL	E	14 56 37.4
OCT 09		
HHM	IP	15 00 21.6
	IS	00 34.4
OCT 9		
H-14 56 47.6		
59.6N 143.9W		
h ABOUT 029KM		
COL	EP	14 58 10.7
OCT 09		
COL	EP	15 08 59.5
OCT 09		
EUR	EP	15 16 14.6
OCT 09		
COL	E(P)	15 59 12.8
OCT 09		
COL	E(P)	16 11 38.3
OCT 09		
EUR	EP	17 38 43.2
	I	48 36.8
OCT 09		
BCN	EP	17 54 35.9
EUR	I	17 54 44.6
OCT 09		
ALQ	E(P)	17 56 41.5

Date and Station	Phase	(GCT) h m s
OCT 09		
TUC	EP	18 34 45.2
	EL	35 05.0
ALQ	E(P)	18 35 15.5
OCT 09		
EUR	IP	18 44 40.0
OCT 09		
EUR	IP	18 50 03.1
OCT 09		
BOZ	IP C	18 55 55.5
	E(S)	56 01.8
OCT 09		
HHM	E(P)	18 56 59.9
OCT 9		
H-19 26 39.7		
06.8N 073.0W		
h ABOUT 157KM		
BHP	IP	19 28 15.5
	IS	29 28.0
CSC	EP	19 32 20.0
ALQ	IP C	19 34 14.7
TUC	IP C	19 34 29.0
	E(PCP)	36 16.3
	E(SCP)	39 52.0
RCD	IP	19 34 45.0
BCN	IP C	19 35 05.9
	E	35 57.4
SLC	IP	19 35 07.8
EUR	IP	19 35 24.0
BOZ	IP C	19 35 27.8
BUT	IP	19 35 33.2
HHM	IP	19 35 49.3
	IPCP	36 51.9
COL	IP	19 38 19.0
OCT 9		
H-19 55 34.7		
57.0N 151.9W		
h ABOUT 017KM		
COL	EP	19 57 36.0
HHM	EP	20 00 52.8
	I	01 02.0
BOZ	EP	20 01 18.2
	E	01 22.3
EUR	IP	20 01 37.9
BCN	EP	20 02 06.2
RCD	IP	20 02 09.0
	E	02 16.0
	E	02 19.0

Date and Station	Phase (GCT)
	h m s
TUC EP	20 02 48.0
ALQ IP D	20 02 49.5
IPCP	05 15.8
OCT 09	
COL EP	20 13 57.3
OCT 09	
BOZ IP	20 28 53.2
ES	28 57.7
OCT 09	
EUR EP	20 39 03.3
OCT 09	
COL IP	20 45 10.9
OCT 09	
UKI E(P)	20 53 39.5
OCT 9	
H-21 34 09.2	
16.2S 171.9W	
h ABOUT 033KM	
HON IP	21 41 41.1
E(S)	47 55.0
EL	52 11.0
KIP IP	21 41 41.6
GUA IP	21 43 20.0
ES	50 49.0
UKI E(P)	21 45 28.0
BCN IP D	21 45 48.2
TUC EP	21 45 53.1
EUR IP	21 45 55.1
SLC IP	21 46 13.8
ALQ IP D	21 46 18.3
BUT IP	21 46 26.5
HHM IP	21 46 27.8
I	47 13.2
BOZ IP D	21 46 27.9
COL IP	21 46 32.0
RCD EP	21 46 49.0
OCT 9	
H-22 07 12.9	
59.5N 144.4W	
h ABOUT 016KM	
COL EP	22 08 39.0
HHM EP	22 11 59.2
BOZ E(P)	22 12 25.6
OCT 09	
UKI E(P)	22 23 24.8
OCT 09	
EUR IP	22 52 38.9

Date and Station	Phase (GCT)
	h m s
OCT 09	
TUC EP	23 16 54.5
OCT 09	
HHM E(P)	23 24 17.0
OCT 09	
EUR EP	23 59 13.8
OCT 10	
EUR I	00 00 09.3
OCT 10	
BOZ IP	01 37 15.2
ES	37 19.5
OCT 10	
BOZ E(P)	02 28 12.3
OCT 10	
EUR EP	02 56 43.0
OCT 10	
COL EP	03 46 27.4
EUR EP	03 47 01.1
OCT 10	
H-04 47 45.7	
32.0N 087.3E	
h ABOUT 020KM	
COL EP	04 59 24.0
OCT 10	
EUR EP	05 41 30.2
OCT 10	
ALQ IP	06 01 51.9
OCT 10	
H-07 50 52.7	
16.7N 097.9W	
h ABOUT 043KM	
TUC EP	07 55 18.2
E(S)	08 01 15.9
ALQ IP	07 55 21.6
I	08 01 38.0
BCN EP	07 56 10.1
E	56 18.4
EUR IP	07 56 35.3
BOZ EP	07 57 09.3
COL IP	08 00 46.1
OCT 10	
H-07 56 40.5	
25.2S 180.0E	
h ABOUT 432KM	
TUC EP	08 08 42.0
OCT 10	
H-08 31 07.7	
23.8S 179.7W	
h ABOUT 441KM	
TUC EP	08 43 04.0

Date and Station	Phase (GCT)
	h m s
OCT 10	
H-08 30 00.3	
47.4N 089.8W	
h ABOUT 000KM	
RCD EP	08 32 21.5
BOZ EP	08 33 30.3
HHM EP	08 33 44.1
ALQ I(P)	08 34 07.0
EUR EP	08 34 40.7
BCN EP	08 34 55.0
TUC E(P)	08 34 57.0
OCT 10	
COL E(P)	08 45 23.3
OCT 10	
COL E(P)	09 27 14.3
OCT 10	
HON IP	10 07 23.5
IS	07 55.0
KIP IP	10 07 25.0
IS	07 55.0
OCT 10	
H-11 30 00.3	
47.3N 090.3W	
h ABOUT 000KM	
RCD EP	11 32 17.0
BOZ E(P)	11 33 26.9
HHM EP	11 33 41.2
E	35 45.8
ALQ E(P)	11 34 04.0
EUR EP	11 34 37.5
BCN EP	11 34 51.8
TUC E(P)	11 34 57.0
COL IP	11 36 33.6
OCT 10	
GUA EP	11 47 43.0
ES	47 49.0
OCT 10	
COL E	12 00 33.6
OCT 10	
EUR EP	12 03 33.2
COL E(P)	12 04 37.7
OCT 10	
COL EP	12 52 04.7
OCT 10	
COL E	15 04 14.3
OCT 10	
BOZ E(P)	16 03 28.7

Date and Station	Phase (GCT)
	h m s
OCT 10	
COL EP	16 42 24.0
OCT 10	
COL E(P)	17 02 13.2
OCT 10	
SLC EP	17 28 59.1
EUR EP	17 29 47.3
OCT 10	
EUR IP	17 43 26.1
OCT 10	
EUR IP	18 34 00.9
OCT 10	
H-19 38 47.7	
60.4N 146.1W	
h ABOUT 044KM	
COL IP	19 39 56.4
SIT E(P)	19 40 20.0
HHM IP	19 43 38.6
BUT IP	19 44 03.1
BOZ EP	19 44 09.1
EUR I	19 44 37.1
ESCP	51 31.4
SLC EP	19 44 42.7
BCN EP	19 45 08.0
EPCP	48 02.0
ESCP	51 43.5
ALQ IP	19 45 46.4
ISCP	51 59.0
TUC IP	19 45 49.4
E	45 55.0
OCT 10	
UKI E(P)	19 43 53.6
OCT 10	
RCD EP	20 03 56.0
E(S)	04 07.0
OCT 10	
H-20 06 39.8	
60.5N 145.4W	
h ABOUT 031KM	
COL IP	20 07 48.4
SIT E(P)	20 08 12.8
HHM IP	20 11 30.8
IS	15 31.9
IL	18 19.3
BUT EP	20 11 53.2
E(S)	16 20.0
BOZ EP	20 12 01.5
UKI E(P)	20 12 06.5

Date and Station	Phase (GCT)
	h m s
EUR IP	20 12 27.3
ISCP	19 20.1
SLC EP	20 12 35.3
RCD EP	20 12 48.0
BCN EP	20 13 01.0
E	13 14.0
EPCP	15 52.7
ESCP	19 36.5
ALQ IP	20 13 38.8
ISCP	19 50.0
TUC EP	20 13 41.7
E	13 45.6
ES	19 28.0
ESCP	19 52.1
OCT 10	
TUC E(P)	20 42 37.2
COL EP	20 44 35.9
E	45 11.9
OCT 10	
TUC E(P)	21 49 24.8
OCT 10	
SLC EP	22 01 27.3
OCT 10	
EUR IP	22 27 05.0
I	27 49.8
OCT 10	
TUC E(P)	22 31 35.0
OCT 10	
H-23 57 13.7	
52.7N 171.5W	
h ABOUT 033KM	
COL EP	24 01 13.0
EUR IP	24 04 45.0
BCN EP	24 05 11.1
TUC EP	24 05 48.8
ALQ I(P)	24 05 55.4
OCT 11	
H-00 13 13.4	
16.2S 168.2E	
h ABOUT 017KM	
COL EP	00 26 00.0
BCN EP	00 26 11.7
EUR IP	00 26 12.2
TUC EP	00 26 19.4
OCT 11	
ALQ I(P)	00 41 38.5
UKI E(P)	00 42 26.0
OCT 11	
EUR IP	01 01 21.9

Date and Station	Phase (GCT)
	h m s
OCT 11	
ALQ E(P)	01 41 30.0
OCT 11	
GUA EP	02 20 24.8
OCT 11	
H-03 01 56.3	
50.9N 160.0E	
h ABOUT 034KM	
COL IP	03 08 03.8
BOZ EP	03 11 31.3
EUR EP	03 11 43.0
RCD EP	03 12 10.0
ALQ E(P)	03 12 41.0
OCT 11	
H-06 10 09.0	
43.8N 129.3W	
h ABOUT 033KM	
BOZ EP	06 13 10.2
COL E(P)	06 15 17.0
OCT 11	
TUC E(P)	08 46 52.0
OCT 11	
H-10 06 44.9	
19.1N 156.6W	
h ABOUT 033KM	
HON IP	10 07 23.6
IS	07 54.0
KIP IP	10 07 25.0
IS	07 55.0
EUR IP	10 14 23.2
BCN EP	10 14 23.7
TUC EP	10 14 44.0
E	14 49.2
ES	21 13.0
SLC EP	10 14 52.7
BUT EP	10 15 00.0
HHM IP	10 15 00.9
I	15 12.9
BOZ EP	10 15 04.2
E	15 13.0
COL IP	10 15 08.0
ALQ IP	10 15 15.2
I	15 27.5
RCD EP D	10 15 44.0
E	15 53.0
OCT 11	
H-10 21 01.1	
06.3S 145.7E	
h ABOUT 138KM	

Date and Station	Phase (GCT)
	h m s
GUA E(P)	10 25 17.0
COL EP	10 33 25.0
OCT 11	
H-11 10 33.6	
13.6S 166.6E	
h ABOUT 068KM	
COL EP	11 23 03.0
BCN EP	11 23 22.2
EpP	23 36.5
EUR EP	11 23 23.1
TUC E(P)	11 23 32.7
ALQ E(P)	11 23 54.0
OCT 11	
COL E(P)	12 10 35.3
OCT 11	
EUR EP	12 33 30.2
OCT 11	
H-14 19 11.5	
17.9S 071.5W	
h ABOUT 035KM	
ALQ IP	14 29 31.8
TUC EP	14 29 33.5
E	32 54.4
BCN EP	14 30 08.0
E	30 15.5
BOZ EP	14 30 39.2
HHM EP	14 30 57.7
OCT 11	
COL E(P)	15 14 12.3
EUR EP	15 16 00.1
OCT 11	
EUR EP	15 21 26.8
OCT 11	
COL E	15 33 20.3
OCT 11	
EUR EP	16 58 30.4
I	59 06.4
OCT 11	
BOZ EP	18 02 03.7
OCT 11	
COL EP	18 37 10.0
OCT 11	
COL E(P)	19 12 47.2
OCT 11	
COL EP	19 26 06.5
OCT 11	
BOZ E(P)	19 39 03.4

Date and Station	Phase (GCT)
	h m s
OCT 11	
TUC E(P)	20 11 35.0
OCT 11	
TUC E(P)	20 31 24.3
OCT 11	
ALQ E(P)	20 39 49.0
OCT 11	
H-20 52 14.0	
15.1S 167.6E	
h ABOUT 241KM	
COL E(P)	21 04 30.5
OCT 11	
BCN E(P)	20 53 18.8
OCT 11	
BOZ EP	21 06 54.7
OCT 11	
H-21 15 03.9	
00.6S 121.7E	
h ABOUT 033KM	
GUA EP	21 20 43.0
ES	25 20.0
KIP EP	21 27 20.0
ES	37 34.0
EL	48 20.0
HON IP	21 27 20.4
ES	37 32.0
E	39 31.0
ESS	42 24.0
EL	48 42.0
COL EP	21 28 04.0
BOZ EP	21 30 28.8
EP'	33 43.8
EUR EP	21 29 58.2
IP'	33 44.3
IPP	34 40.8
HHM EP'	21 33 38.3
EPP	34 26.6
ESKS	44 00.1
FGU EP'	21 33 40.3
BCN EP'	21 33 49.0
EP'	33 59.0
EPP	35 00.3
EPKKP	44 17.5
RCD EP'	21 33 53.0
TUC IP'	21 33 56.0
ALQ IP'	21 34 01.4
I	38 29.5
CSC EP'	21 34 32.0
BHP EP'	21 34 57.0
OCT 11	
SLC EP	21 33 07.6

Date and Station	Phase (GCT)
	h m s
OCT 11	
TUC E(P)	21 43 57.3
SLC E(P)	21 44 18.1
EUR IP	21 44 22.3
I	48 25.8
BUT E(P)	21 44 29.0
COL E(P)	21 45 31.0
OCT 11	
H-22 01 46.2	
57.4N 150.2W	
h ABOUT 033KM	
COL EP	22 03 37.0
OCT 11	
EUR IP	22 22 25.9
OCT 11	
ALQ E(P)	22 46 22.0
OCT 11	
TUC E(P)	22 50 53.7
OCT 11	
H-23 33 23.9	
6.0N 126.7E	
h ABOUT 121KM	
COL EP	23 45 34.0
OCT 12	
TUC E(P)	00 02 41.9
OCT 12	
H-01 48 30.8	
21.6S 177.1W	
h ABOUT 188KM	
TUC EP	02 00 37.5
COL IP	02 01 04.0
OCT 12	
BCN EP	02 36 19.0
ES	36 43.5
EUR EP	02 37 09.8
OCT 12	
ALQ I(P)	05 43 54.0
COL EP	05 48 42.0
OCT 12	
H-06 06 08.0	
56.6N 152.6W	
h ABOUT 033KM	
COL EP	06 08 13.0
EUR EP	06 12 10.3
BCN E(P)	06 12 35.5
OCT 12	
BCN EP	06 08 04.5
EUR EP	06 08 17.7

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	06 08 19.2
OCT 12	
COL EP	06 42 15.8
E(S)	42 45.7
OCT 12	
EUR EP	07 39 05.6
OCT 12	
TUC E(P)	08 48 23.0
ALQ I(P)	08 48 29.2
RCD EP'	08 48 31.0
BCN EP	08 48 32.5
SLC E(P)	08 48 39.9
EUR IP	08 48 46.6
BOZ EP	08 48 47.5
OCT 12	
BCN EP	08 55 02.0
EUR EP	08 55 15.2
BOZ E(P)	08 55 16.0
OCT 12	
H-09 14 52.2	
55.9S 144.1W	
h ABOUT 033KM	
TUC E(P)	09 28 02.6
COL EP'	09 33 39.0
OCT 12	
COL E(P)	10 03 06.5
OCT 12	
COL E(P)	10 22 30.8
OCT 12	
COL E	11 05 48.2
OCT 12	
H-11 43 35.3	
04.5S 144.5E	
h ABOUT 077KM	
COL EP	11 56 00.9
OCT 12	
COL E(P)	12 36 07.7
OCT 12	
EUR EP	13 01 31.4
OCT 12	
COL E	13 29 50.6
OCT 12	
H-13 55 21.5	
14.8S 167.4E	
h ABOUT 131KM	
COL E(P)	14 07 49.5
OCT 12	
COL E(P)	14 12 08.5

Date and Station	Phase (GCT)
	h m s
OCT 12	
COL E(P)	14 35 10.8
OCT 12	
COL E	14 56 43.2
OCT 12	
H-15 42 54.7	
03.0N 126.7E	
h ABOUT 059KM	
GUA IP	15 47 33.0
IS	51 17.0
KIP EP	15 54 36.0
ES	16 04 18.0
EL	13 46.0
HON E(P)	15 54 43.0
IS	16 04 17.0
ESS	09 05.0
ESSS	12 15.0
EL	17 44.0
COL EP	15 55 28.0
EUR EP	15 57 17.7
EP'	16 01 21.1
BCN EP'	16 01 21.5
BOZ EP'	16 01 21.9
TUC EP'	16 01 34.0
ALQ IP'C	16 01 37.5
BHP IP'	16 02 46.0
OCT 12	
SLC E(P)	16 12 29.3
EUR EP	16 12 29.6
OCT 12	
ALQ IP	16 23 08.0
I	27 03.8
OCT 12	
SIT E(P)	16 31 35.6
E(S)	31 49.6
OCT 12	
TUC E(P)	16 59 57.3
OCT 12	
COL EP	17 16 29.2
OCT 12	
COL EP	17 22 15.2
I	22 42.2
OCT 12	
EUR EP	18 02 55.6
OCT 12	
EUR IP	18 29 57.1
OCT 12	
SLC EP	19 44 09.3
EUR EP	19 45 03.6

Date and Station	Phase (GCT)
	h m s
OCT 12	
H-20 13 54.0	
5.6S 147.1E	
h ABOUT 195KM	
SJG EP'	20 33 09.5
OCT 12	
ALQ E(P)	20 20 43.0
OCT 12	
TUC EP	20 48 21.5
E	48 44.8
OCT 12	
H-21 55 33.2	
31.3S 110.8W	
h ABOUT 025KM	
BHP IP C	22 04 28.0
TUC EP	22 06 01.5
EP'P'	35 04.5
SJG EP	22 06 14.0
ES	15 00.0
EL	22 34.0
ALQ IP C	22 06 19.7
BCN EP	22 06 23.0
E	08 51.0
EUR IP	22 06 46.4
UKI EP	22 06 52.0
SLC IP	22 06 54.4
RCD EP	22 07 17.0
E	07 26.0
E	07 30.0
E(S)	16 24.0
BOZ EP	22 07 23.5
ES	17 13.3
BUT EP	22 07 26.0
COL EP	22 09 17.0
HON ES	22 15 56.0
EL	23 45.0
KIP ES	22 16 00.0
EL	24 14.0
OCT 12	
ALQ I(P)	21 57 09.2
OCT 12	
COL IP	22 05 46.7
OCT 12	
TUC E(P)	22 16 56.0
OCT 12	
SLC E(P)	23 04 01.8
E	04 17.8
OCT 12	
SLC E(P)	23 08 02.2
I	08 30.8

Date and Station	Phase (GCT) h m s
OCT 12	
TUC E(P)	23 46 02.5
OCT 13	
ALQ IP	00 03 46.5
OCT 13	
H-00 49 43.2	
8.2N 122.4E	
h ABOUT 064KM	
ALQ IP'	01 08 24.0
SJG EP'	01 09 36.4
EP'	09 45.0
OCT 13	
SLC EP	00 58 45.0
EUR EP	00 59 31.5
OCT 13	
ALQ IP	01 59 23.5
EUR IP	02 01 31.0
OCT 13	
H-02 20 49.3	
44.4N 151.6E	
h ABOUT 033KM	
COL EP	02 28 11.0
BUT IP	02 31 18.9
EPCP	31 56.0
BOZ EP	02 31 22.9
RCD EP	02 31 58.0
TUC EP	02 32 18.8
ALQ IP D	02 32 23.6
OCT 13	
SLC E(P)	02 31 00.3
E	31 39.8
OCT 13	
H-03 13 41.5	
16.3S 174.2W	
h ABOUT 167KM	
BCN EP	03 25 12.5
E(pP)	25 46.0
EUR IP	03 25 20.3
TUC IP	03 25 21.8
EpP	26 00.2
ALQ IP	03 25 45.7
IpP	26 23.0
COL IP	03 25 50.4
BOZ E(P)	03 25 52.8
OCT 13	
ALQ IP	03 17 42.0
OCT 13	
TUC E(P)	04 33 39.8
OCT 13	
COL E	06 34 54.6
OCT 13	
H-06 57 48.7	
34.0N 045.1E	
h ABOUT 096KM	
COL EP	07 09 54.0
OCT 13	
COL E(P)	07 16 25.2
OCT 13	
COL E	07 20 26.4
OCT 13	
COL E	08 16 29.1
OCT 13	
COL E(P)	08 37 34.2
OCT 13	
COL E	08 51 43.4
OCT 13	
BHP IP C	10 32 49.0
OCT 13	
H-10 38 59.3	
3.3S 149.9E	
h ABOUT 059KM	
GUA EP	10 43 00.0
ES	46 27.0
COL EP	10 51 10.0
EUR IP	10 52 18.9
BCN EP	10 52 24.0
EPP	56 18.0
TUC E(P)	10 52 44.3
SJG EP'	10 58 26.0
KIP ES	10 56 42.0
EL	11 03 09.0
HON ES	10 56 42.0
EL	11 04 29.0
OCT 13	
COL E(P)	10 49 06.6
OCT 13	
ALQ E(P)	10 57 05.0
OCT 13	
TUC EP	11 19 48.0
I	20 42.5
OCT 13	
COL EP	11 42 12.0
OCT 13	
HHM IP	11 52 25.4
OCT 13	
COL E(P)	12 47 42.8
OCT 13	
EUR IP	13 29 47.4
OCT 13	
BCN IP C	13 46 19.8
OCT 13	
H-14 00 12.3	
58.5N 151.4W	
h ABOUT 033KM	
COL IP	14 01 49.7
SJG EP	14 11 35.0
OCT 13	
COL EP	14 26 40.0
OCT 13	
EUR EP	14 41 40.3
I	41 59.6
OCT 13	
HHM EP	15 05 26.4
OCT 13	
HHM E(P)	16 00 34.2
OCT 13	
SJG EP	16 22 50.0
OCT 13	
COL EP	16 35 00.0
EUR E(P)	16 40 14.5
OCT 13	
H-17 20 14.9	
32.6S 179.8W	
h ABOUT 118KM	
EUR EP	17 33 15.1
OCT 13	
H-18 12 14.5	
22.1S 170.5E	
h ABOUT 041KM	
COL E(P)	18 25 21.7
SJG EP'	18 31 15.5
OCT 13	
COL EP	19 27 30.0
EUR EP	19 28 29.6
OCT 13	
COL E(P)	19 33 13.3
OCT 13	
COL EP	20 02 30.4
OCT 13	
TUC EP	21 03 39.3
E	04 05.0
OCT 13	
TUC E(P)	21 10 42.0
OCT 13	
EUR EP	21 40 36.8
I	41 03.1
OCT 13	
SLC EP	22 00 35.4
OCT 13	
EUR EP	22 02 12.3
OCT 13	
HHM IP	22 07 39.4
COL EP	22 09 49.4
OCT 13	
EUR EP	22 22 52.4
I	23 11.4
OCT 13	
EUR EP	22 33 51.9
OCT 13	
TUC E(P)	22 56 23.4
OCT 13	
H-23 02 26.2	
35.8N 071.1E	
h ABOUT 120KM	
COL EP	23 13 56.0
OCT 13	
BCN IP	23 06 38.7
IS	06 50.5
OCT 13	
SLC EP	23 08 15.5
BCN IP	23 08 44.4
IS	08 56.7
OCT 13	
ALQ E(P)	23 49 00.5
E	49 58.0
OCT 13	
H-23 54 15.2	
13.2S 076.5W	
h ABOUT 075KM	
ALQ IP	24 03 46.7
TUC EP	24 03 47.7
OCT 14	
COL E(P)	00 08 12.0
ALQ I(P)	00 08 38.0
OCT 14	
BCN IP	00 50 04.1
IS	50 08.7
OCT 14	
ALQ I(P)	01 05 56.0
OCT 14	
ALQ I(P)	01 50 16.0
OCT 14	
ALQ IP	01 59 24.0
OCT 14	
TUC E(P)	02 11 06.7
OCT 14	
COL IP	02 16 57.6
I	17 19.5

Date and Station	Phase (GCT)
	h m s
OCT 14	
EUR EP	02 36 34.7
OCT 14	
H-03 04 59.6	
33.4N 141.8E	
h ABOUT 033KM	
GUA EP	03 09 29.2
ES	13 07.9
COL EP	03 14 08.0
HON E(P)	03 14 15.0
ES	22 02.0
EL	29 18.0
HHM EP	03 16 35.3
BUT EP	03 16 49.0
I	16 52.0
BOZ EP	03 16 50.7
E	16 55.0
EUR IP	03 16 55.8
SLC E(P)	03 17 02.0
E	17 08.7
RCD EP	03 17 26.0
TUC EP	03 17 35.8
E	17 38.6
ALQ EP	03 17 42.0
I	17 45.2
KIP ES	03 22 04.0
EL	29 38.0
OCT 14	
H-03 23 35.8	
14.9N 061.3W	
h ABOUT 163KM	
SJG EP	03 24 58.0
ALQ I(P)	03 31 38.0
TUC EP	03 32 00.6
BOZ E(P)	03 32 30.1
COL E(P)	03 35 01.2
OCT 14	
H-03 45 58.0	
21.4S 178.5W	
h ABOUT 481KM	
TUC E(P)	03 57 38.0
OCT 14	
GUA E(P)	04 57 35.0
OCT 14	
H-05 48 49.4	
50.7N 157.3E	
h ABOUT 050KM	
COL IP	05 55 06.6
EUR EP	05 58 45.9

Date and Station	Phase (GCT)
	h m s
OCT 14	
ALQ E(P)	06 08 00.0
I	08 05.0
OCT 14	
COL E	06 35 38.2
OCT 14	
COL E(P)	08 18 58.6
OCT 14	
COL E(P)	09 57 43.2
OCT 14	
GUA IP	11 11 54.5
IS	12 08.2
OCT 14	
H-11 50 28.7	
05.0N 075.9W	
h ABOUT 063KM	
SJG EP	11 54 13.0
I	54 17.8
ALQ I(P)	11 58 08.5
TUC E(P)	11 58 18.8
RCD EP	11 58 46.0
EUR EP	11 59 17.8
BOZ EP	11 59 25.7
OCT 14	
HHM EP	11 52 25.4
OCT 14	
H-12 06 38.1	
5.7S 150.5E	
h ABOUT 089KM	
GUA EP	12 11 05.8
COL EP	12 18 54.7
EUR EP	12 19 57.8
OCT 14	
ALQ E(P)	12 19 23.5
OCT 14	
BUT E(P)	12 27 57.0
OCT 14	
SJG IP	13 02 03.5
IS	02 22.0
OCT 14	
ALQ E(P)	13 39 24.0
COL EP	13 39 36.0
OCT 14	
GUA IP	13 45 48.0
ES	46 04.0
OCT 14	
BCN EP	14 14 46.0
OCT 14	
COL E	14 36 22.0

Date and Station	Phase (GCT)
	h m s
OCT 14	
HHM EP	15 05 26.4
OCT 14	
EUR IP	16 02 14.5
OCT 14	
H-16 03 53.6	
47.9N 114.3W	
h ABOUT 033KM	
HHM IP	16 04 04.5
BUT IP	16 04 29.0
ES	04 48.0
BOZ EP	16 04 37.0
EL	05 16.0
BZM E(P)	16 04 45.0
EUR EP	16 05 58.0
OCT 14	
TUC E(P)	16 13 43.0
OCT 14	
EUR EP	16 27 33.7
OCT 14	
EUR EP	17 00 51.1
OCT 14	
ALQ I(P)	17 27 08.7
OCT 14	
COL EP	17 35 30.8
OCT 14	
SLC EP	18 03 10.5
EUR EP	18 03 59.4
OCT 14	
H-18 04 41.3	
34.8N 138.9E	
h ABOUT 176KM	
GUA IP	18 09 20.0
HHM E(P)	18 16 03.1
BOZ E(P)	18 16 19.0
ALQ E(P)	18 17 12.5
OCT 14	
ALQ E(P)	18 30 31.0
OCT 14	
SJG EP'	18 59 50.0
E	59 58.5
OCT 14	
TUC E(P)	19 15 27.5
OCT 14	
TUC EP	20 16 36.3
OCT 14	
TUC E(P)	20 31 50.5

Date and Station	Phase (GCT)
	h m s
OCT 14	
H-21 05 07.0	
15.5N 093.0W	
h ABOUT 044KM	
ALQ I(P)	21 10 08.0
TUC EP	21 10 12.1
E	10 29.6
OCT 14	
FGU E(P)	21 44 50.0
E(S)	45 23.7
OCT 14	
ALQ E(P)	21 54 18.0
OCT 14	
H-22 10 09.2	
09.2N 073.1W	
h ABOUT 249KM	
TUC EP	22 17 37.4
BOZ EP	22 18 32.2
OCT 14	
TUC E(P)	22 11 20.0
E	11 27.2
E	11 33.3
OCT 14	
SJG EP	22 12 12.5
EL	13 57.5
OCT 14	
TUC E(P)	22 56 25.8
OCT 15	
H-00 37 30.0	
43.9N 113.5W	
h ABOUT 033KM	
BUT E(P)	00 38 03.8
E(S)	38 29.0
BOZ E(P)	00 38 04.0
E	38 08.0
HHM EP	00 38 37.9
E	38 40.5
EL	39 33.5
EUR IP	00 38 41.4
OCT 15	
H-02 07 06.4	
06.6S 154.8E	
h ABOUT 062KM	
GUA EP	02 12 00.0
COL IP	02 19 23.4
EUR IP	02 20 17.8
SJG EP'	02 26 21.5
E	26 27.5
OCT 15	
SJG EP	03 05 26.5
EL	06 05.5

Date and Station	Phase	Phase (GCT) h m s
OCT 15		
HHM	EP	03 16 35.3
BCN	EP	03 17 11.4
OCT 15		
BOZ	EP	03 49 16.0
OCT 15		
BOZ	E(P)	03 51 08.4
OCT 15		
COL	EP	04 23 48.0
OCT 15		
COL	E(P)	04 48 23.8
OCT 15		
BOZ	EP	05 10 11.2
TUC	E(P)	05 11 13.0
OCT 15		
H-05 56 31.1		
33.0S 070.4W		
h ABOUT 118KM		
SJG	EP	06 05 19.0
	E	05 46.0
BOZ	E(P)	06 09 02.5
OCT 15		
H-05 57 17.7		
52.7N 172.4W		
h ABOUT 033KM		
COL	E(P)	06 01 20.0
EUR	EP	06 04 53.2
OCT 15		
COL	E(P)	06 03 11.0
OCT 15		
H-06 33 17.9		
52.0N 171.2W		
h ABOUT 033KM		
COL	E(P)	06 37 22.0
EUR	EP	06 40 47.8
TUC	EP	06 41 50.2
OCT 15		
HHM	IP	06 50 30.9
OCT 15		
BOZ	EP	06 57 43.4
OCT 15		
GUA	E(P)	08 37 27.5
OCT 15		
H-11 05 14.0		
33.1S 179.6E		
h ABOUT 480KM		
TUC	E(P)	11 17 34.4
EUR	EP	11 17 38.8
OCT 15		
COL	EP	13 48 24.2
OCT 15		
H-14 32 37.5		
47.7N 122.1W		
h ABOUT 033KM		
HHM	E(P)	14 34 18.8
BOZ	EP	14 34 27.2
BUT	E(P)	14 34 35.0
	E	35 18.0
COL	E(P)	14 37 39.0
OCT 15		
HHM	E(P)	15 43 13.3
COL	E	15 45 51.1
OCT 15		
GUA	IP	15 57 13.2
	ES	57 26.3
HHM	IP	16 04 04.5
OCT 15		
SLC	E(P)	16 15 26.9
	E	15 32.4
OCT 15		
COL	E	17 34 04.8
OCT 15		
H-17 45 07.5		
54.9N 161.1E		
h ABOUT 033KM		
COL	IP	17 50 45.0
BOZ	EP	17 54 23.0
EUR	IP	17 54 39.1
OCT 15		
HHM	E(P)	18 16 03.1
OCT 15		
GUA	IP	18 29 51.4
	ES	30 17.7
OCT 15		
SJG	EP'	18 52 54.3
OCT 15		
SJG	EP'	18 55 12.5
	E	55 17.2
	I	55 20.9
OCT 15		
FGU	EP	18 56 43.5
OCT 15		
ALQ	E(P)	20 26 21.0
OCT 15		
H-20 26 53.5		
44.7N 149.8E		
h ABOUT 049KM		
GUA	E(P)	20 33 12.0
COL	IP	20 34 18.5
	IS	40 18.0
KIP	EP	20 35 33.0
	ES	42 29.0
HON	EP	20 35 38.0
	EPCP	36 45.0
	IS	42 38.0
	E	43 45.0
	E	46 55.0
	EL	48 52.0
HHM	EP	20 37 09.9
BUT	E(P)	20 37 21.0
	EpP	37 35.0
BOZ	EP	20 37 29.0
	EpP	37 45.0
	ES	46 11.0
EUR	IP	20 37 38.5
SLC	EP	20 37 52.8
	IpP	38 04.2
	IpP	38 13.7
BCN	EP	20 37 58.0
FGU	EP	20 38 00.0
RCD	EP	20 38 04.0
TUC	EP	20 38 26.7
	EpP	38 43.1
ALQ	IP	20 38 31.0
	IpP	38 48.0
OCT 15		
H-20 35 33.3		
44.8N 149.6E		
h ABOUT 033KM		
COL	EP	20 42 59.0
HHM	E(P)	20 45 54.9
BOZ	E(P)	20 46 09.8
	E	46 21.2
EUR	EP	20 46 21.0
BCN	E(P)	20 46 50.5
RCD	E(P)	20 46 56.0
ALQ	I(P)	20 47 24.2
OCT 15		
SJG	EP'	20 46 03.7
OCT 15		
H-21 04 11.4		
09.1N 084.0W		
h ABOUT 036KM		
BHP	IP	21 05 16.0
	IS	06 03.0
SJG	EP	21 08 40.7
TUC	E(P)	21 10 52.7
BCN	EP	21 11 36.5
OCT 15		
H-21 09 02.6		
09.6N 084.0W		
h ABOUT 051KM		
SJG	EP	21 13 26.5
OCT 15		
PHI	E(P)	21 14 29.0
OCT 15		
COL	EP	21 27 07.0
OCT 15		
H-21 30 40.5		
47.1N 147.5E		
h ABOUT 033KM		
COL	E(P)	21 37 53.0
OCT 15		
COL	EP	21 32 22.0
OCT 15		
EUR	EP	22 11 26.3
OCT 15		
COL	EP	22 20 03.9
OCT 15		
SJG	IP	22 26 03.0
	IS	26 34.0
OCT 15		
COL	EP	22 28 21.0
OCT 15		
BOZ	E(P)	22 30 03.0
	E	30 11.0
BUT	E(P)	22 30 08.0
	EL	30 35.0
SLC	IP	22 31 30.7
OCT 15		
FGU	IP	22 32 04.2
OCT 15		
H-22 35 35.2		
44.5N 149.9E		
h ABOUT 033KM		
COL	EP	22 43 03.0
EUR	IP	22 46 25.5
OCT 15		
EUR	EP	22 39 54.8
OCT 15		
H-22 40 32.4		
44.6N 149.9E		
h ABOUT 044KM		
COL	IP	22 47 59.3
BOZ	EP	22 51 08.8
BUT	E(P)	22 51 16.0
EUR	EP	22 51 17.5

Date and Station	Phase (GCT)
	h m s
BCN E(P)	22 51 36.7
TUC E(P)	22 52 06.2
ALQ E(P)	22 52 15.0
OCT 15	
FGU EP	22 41 10.6
IS	41 30.0
OCT 15	
H-22 52 35.7	
9.6N 083.7W	
h ABOUT 037KM	
BHP IP	22 53 38.0
IS	54 26.0
SJG E(P)	22 57 05.5
EUR E(P)	23 00 22.6
I	00 45.6
OCT 15	
TUC EP	22 56 30.0
OCT 15	
H-22 59 43.6	
56.8N 151.9W	
h ABOUT 033KM	
COL EP	23 01 44.0
EL	04 08.0
HHM EP	23 04 59.9
BUT E(P)	23 05 19.0
BOZ EP	23 05 26.0
E(L)	12 07.0
EUR IP	23 05 43.5
FGU EP	23 06 04.8
BCN EP	23 06 13.0
EPCP	08 58.0
TUC EP	23 06 55.1
ALQ I(P)	23 06 57.0
IPCP	09 13.3
SJG EP	23 11 09.6
OCT 15	
TUC E(P)	23 04 15.9
OCT 15	
SLC E(P)	23 09 13.2
OCT 15	
H-23 09 25.1	
56.9N 151.7W	
h ABOUT 033KM	
COL IP	23 11 25.1
HHM EP	23 14 42.9
EUR IP	23 15 24.4
BCN EP	23 15 53.5

Date and Station	Phase (GCT)
	h m s
ALQ E(P)	23 16 37.5
EPCP	18 00.0
SJG E(P)	23 20 52.0
OCT 15	
COL EP	23 38 40.0
OCT 15	
BUT IP	23 59 13.6
OCT 16	
COL E	00 25 21.0
OCT 16	
HHM E(P)	00 38 37.9
E	38 40.5
EL	39 33.5
OCT 16	
BHP IP	01 14 28.0
SJG EP	01 18 03.5
OCT 16	
H-01 36 43.9	
44.3N 149.6E	
h ABOUT 044KM	
COL EP	01 44 12.0
BOZ EP	01 47 23.2
EUR EP	01 47 32.5
TUC E(P)	01 48 19.5
E(PP)	48 30.7
ALQ E(P)	01 48 25.0
OCT 16	
COL EP	03 11 39.5
OCT 16	
SJG E(P)	03 15 04.1
E	15 20.0
OCT 16	
TUC E(P)	03 46 51.3
E	47 04.7
BCN E(P)	03 47 28.0
I	47 32.8
EL	49 15.5
ALQ EP	03 47 56.5
EUR EP	03 48 15.8
OCT 16	
COL E(P)	03 47 03.0
OCT 16	
H-04 06 30.7	
57.1N 151.0W	
h ABOUT 033KM	
COL EP	04 08 25.4
OCT 16	
COL EP	04 07 23.7
OCT 16	
COL E	04 51 36.8

Date and Station	Phase (GCT)
	h m s
TUC E(P)	04 58 07.6
E	58 16.2
OCT 16	
H-06 15 31.5	
23.6S 177.6W	
h ABOUT 178KM	
HON EP	06 23 59.0
EPCP	25 23.0
E(S)	30 44.0
E	31 38.0
E	36 10.0
KIP IP	06 24 00.5
E(S)	30 43.0
GUA EP	06 24 24.0
BCN EP	06 27 43.0
E	27 54.5
TUC EP C	06 27 47.0
E	28 51.2
E(S)	37 56.0
EUR IP	06 27 48.8
SLC EP	06 28 03.8
ALQ IP	06 28 07.5
FGU EP	06 28 12.6
COL IP	06 28 15.3
BOZ EP	06 28 17.5
BUT EP	06 28 18.1
HHM EP	06 28 18.1
OCT 16	
COL EP	06 24 00.5
OCT 16	
SJG E(P)	06 36 59.0
EL	38 32.0
OCT 16	
HHM IP	06 50 30.9
OCT 16	
GUA E(P)	07 03 16.8
OCT 16	
H-06 59 38.6	
44.3N 149.5E	
h ABOUT 033KM	
COL IP	07 07 08.0
IS	13 09.0
SIT EP	07 08 11.0
KIP EP	07 08 21.0
IS	15 26.0
E	17 50.0
E	19 37.0
EL	21 40.0

Date and Station	Phase (GCT)
	h m s
HON EP D	07 08 23.0
EPP	10 20.0
IS	15 28.0
E	17 54.0
E	19 48.0
EL	21 35.0
HHM EP	07 09 58.5
I	10 19.6
IS	18 21.8
I	25 23.8
BUT EP	07 10 14.6
I	10 32.1
E(S)	18 52.0
BOZ EP C	07 10 18.2
E	10 37.0
ES	19 04.0
EUR IP	07 10 26.9
SLC EP	07 10 37.6
FGU EP	07 10 45.7
BCN EP	07 10 46.0
E	11 03.0
TUC EP	07 11 14.8
ALQ IP	07 11 19.8
I	11 41.2
SJG EP'	07 18 37.5
OCT 16	
H-07 00 14.4	
56.1S 027.7W	
h ABOUT 033KM	
HHM EP'	07 19 11.8
COL IP'	07 20 00.0
OCT 16	
H-07 17 04.4	
44.2N 149.9E	
h ABOUT 033KM	
COL EP	07 24 34.6
BCN EP	07 28 11.0
OCT 16	
BHP IP	07 17 50.0
OCT 16	
PHI E(P)	07 21 33.5
OCT 16	
H-07 21 42.7	
44.2N 149.4E	
h ABOUT 033KM	
COL IP	07 29 13.2
HHM EP	07 32 05.3
E(PCP)	32 59.3
E	38 36.8
BOZ EP	07 32 23.3
EUR IP	07 32 33.9

Date and Station	Phase	Phase (GCT) h m s
BCN	EP	07 32 52.2
	E	33 05.0
TUC	EP	07 33 20.8
	E	33 38.5
	E(PP)	36 17.3
ALQ	I(P)	07 33 24.5
OCT 16 H-07 24 56.7 47.6N 143.4E h ABOUT 033KM		
COL	EP	07 32 26.1
OCT 16		
HHM	EP	07 27 45.8
	E	27 55.3
OCT 16 H-07 28 28.3 44.3N 149.5E h ABOUT 052KM		
COL	EP	07 35 56.0
HHM	EP	07 38 46.8
BOZ	EP	07 39 07.0
EUR	EP	07 39 16.1
TUC	E(P)	07 40 03.2
ALQ	I(P)	07 40 08.7
OCT 16 H-07 37 19.6 44.5N 149.6E h ABOUT 033KM		
COL	EP	07 44 48.0
BOZ	EP	07 48 02.0
TUC	EP	07 48 55.7
ALQ	E(P)	07 49 00.0
OCT 16		
EUR	IP	07 48 29.5
BCN	EP	07 48 43.0
OCT 16 H-07 51 36.7 44.5N 149.6E h ABOUT 033KM		
COL	EP	07 59 06.0
BOZ	EP	08 02 16.0
ALQ	E(P)	08 03 23.0
OCT 16		
EUR	EP	08 02 46.3
OCT 16		
COL	E(P)	08 13 11.5
OCT 16 H-08 18 28.3 44.6N 149.4E h ABOUT 033KM		
COL	IP	08 25 56.7
	EPP	27 10.0
KIP	EP	08 27 12.0
	ES	34 22.0
	E	38 36.0
	EL	40 43.0
HHM	EP	08 28 47.8
	I	29 05.3
BUT	E(P)	08 29 02.0
BOZ	EP	08 29 07.2
EUR	IP	08 29 16.2
FGU	EP	08 29 35.5
BCN	EP	08 29 36.0
TUC	EP	08 30 04.2
	E	31 18.8
ALQ	IP	08 30 09.3
HON	ES	08 34 22.0
	EL	40 36.0
OCT 16 H-08 23 00.6 44.6N 149.6E h ABOUT 033KM		
COL	EP	08 30 29.0
BOZ	EP	08 33 38.9
BCN	EP	08 34 06.5
	EPCP	34 23.5
ALQ	I(P)	08 34 43.0
	IPCP	34 57.8
OCT 16 H-08 33 29.8 44.2N 149.4E h ABOUT 033KM		
COL	EP	08 41 01.0
HHM	EP	08 43 55.0
BOZ	EP	08 44 11.0
BCN	EP	08 44 38.0
TUC	EP	08 45 07.8
ALQ	E(P)	08 45 12.0
OCT 16 H-08 34 45.6 44.1N 149.2E h ABOUT 033KM		
COL	EP	08 42 18.6
EUR	E(P)	08 45 41.8
OCT 16		
COL	EP	08 36 13.0
EUR	EP	08 40 49.7
OCT 16 H-08 37 34.8 44.3N 150.1E h ABOUT 033KM		
COL	IP	08 45 04.4
EUR	EP	08 48 22.6
	I	48 39.1
OCT 16		
COL	EP	08 46 17.0
OCT 16 H-08 47 27.3 45.0N 149.3E h ABOUT 033KM		
COL	EP	08 54 55.0
ALQ	E(P)	08 59 08.0
OCT 16		
COL	E(P)	09 02 20.6
OCT 16		
COL	EP	09 06 19.0
EUR	EP	09 08 40.3
ALQ	E(P)	09 10 49.0
OCT 16 H-09 18 16.6 44.5N 149.1E h ABOUT 033KM		
COL	EP	09 25 46.0
	ES	31 36.0
KIP	EP	09 27 03.0
	ES	34 06.0
	E	38 25.0
	EL	40 20.0
HHM	EP	09 28 38.0
	I	28 53.6
BOZ	EP	09 28 56.3
BUT	EP	09 28 56.5
EUR	IP	09 29 06.2
SLC	EP	09 29 16.0
BCN	EP	09 29 23.0
FGU	E(P)	09 29 24.4
ALQ	IP	09 29 58.0
	IPCP	30 16.2
TUC	E(P)	09 29 59.8
HON	ES	09 34 08.0
	EL	40 12.0
OCT 16		
COL	EP	09 33 38.0
BOZ	E(P)	09 37 03.5
OCT 16		
COL	E(P)	09 37 26.5
OCT 16		
TUC	E(P)	09 49 33.2
	E	49 45.2
OCT 16 H-09 54 30.9 44.1N 149.3E h ABOUT 033KM		
COL	EP	10 02 02.0
BOZ	EP	10 05 12.2
EUR	EP	10 05 21.3
TUC	E(P)	10 06 09.3
ALQ	I(P)	10 06 14.2
OCT 16 H-10 50 59.1 44.4N 149.5E h ABOUT 035KM		
COL	EP	10 58 29.0
BOZ	EP	11 01 38.9
EUR	EP	11 01 48.1
TUC	E(P)	11 02 35.8
ALQ	I(P)	11 02 40.8
OCT 16		
BCN	EP	10 53 25.5
	EL	53 54.7
TUC	E(P)	10 55 07.6
OCT 16 H-10 58 30.6 44.1N 149.5E h ABOUT 025KM		
COL	IP	11 06 03.9
BOZ	EP	11 09 13.0
ALQ	E(P)	11 10 14.5
OCT 16		
EUR	EP	11 09 42.3
OCT 16		
COL	EP	11 21 50.0
OCT 16 H-11 24 41.5 44.6N 149.5E h ABOUT 033KM		
COL	EP	11 32 09.0
OCT 16		
COL	EP	11 57 48.0

Date and Station	Phase (GCT)
	h m s
OCT 16	
H-12 04 05.3	
44.6N 149.5E	
h ABOUT 033KM	
COL EP	12 11 33.0
HHM E(P)	12 14 25.2
BOZ EP	12 14 45.1
EUR EP	12 14 53.7
TUC E(P)	12 15 41.2
ALQ E(P)	12 15 46.5
OCT 16	
COL EP	12 05 54.0
OCT 16	
H-12 18 54.4	
44.6N 149.5E	
h ABOUT 033KM	
COL EP	12 26 23.0
HHM EP	12 29 14.2
BOZ EP	12 29 33.8
EUR EP	12 29 43.3
TUC E(P)	12 30 29.5
ALQ I(P)	12 30 35.2
OCT 16	
H-12 37 26.8	
44.3N 149.4E	
h ABOUT 033KM	
COL EP	12 44 57.0
HHM EP	12 47 48.2
BOZ EP	12 48 07.8
EUR IP	12 48 16.5
BCN E(P)	12 48 46.5
TUC E(P)	12 49 04.1
ALQ I(P)	12 49 09.0
HON E	12 53 22.0
EL	13 00 05.0
OCT 16	
COL EP	13 07 00.0
OCT 16	
H-13 29 30.6	
44.4N 149.5E	
h ABOUT 033KM	
COL EP	13 37 00.6
BOZ EP	13 40 10.7
BCN EP	13 40 38.0
E	40 54.0

Date and Station	Phase (GCT)
	h m s
TUC E(P)	13 41 07.1
ALQ I(P)	13 41 12.0
OCT 16	
HHM IP	13 43 23.9
IS	43 32.2
BOZ E(P)	13 44 00.7
OCT 16	
HHM E(P)	14 34 18.8
EL	35 32.3
OCT 16	
COL E(P)	15 12 00.7
OCT 16	
HHM E(P)	15 43 13.3
OCT 16	
COL E	15 56 22.5
OCT 16	
SLC E(P)	16 01 56.2
E	01 12.7
OCT 16	
H-15 59 30.0	
37.0N 116.0W	
h ABOUT 000KM	
BCN IP C	15 59 56.8
EUR IP	16 00 08.2
GCA IP	16 00 27.8
I	00 35.3
TUC EP	16 01 07.2
FGU E(P)	16 01 12.5
ALQ E(P)	16 01 30.0
I	01 59.0
BOZ E(P)	16 01 48.0
COL E(P)	16 06 13.7
OCT 16	
COL EP	15 59 57.0
OCT 16	
HHM E(P)	16 05 51.0
OCT 16	
BCN IP D	16 10 15.4
GCA E(P)	16 10 42.9
I	10 46.5
SLC EP	16 11 29.4
OCT 16	
TUC EP	16 11 47.6
E	13 15.7
E	14 23.1
ALQ E(P)	16 12 18.5
OCT 16	
SJG E(P)	16 11 51.8

Date and Station	Phase (GCT)
	h m s
OCT 16	
TUC EP	16 23 32.0
OCT 16	
TUC EP	17 32 11.9
ALQ IP D	17 32 25.6
EUR EP	17 32 42.7
COL EP	17 38 10.8
OCT 16	
SLC EP	17 50 51.6
OCT 16	
BOZ EP	18 36 35.1
EL	37 12.0
BUT P	18 36 40.0
HHM EP	18 37 10.9
I	37 28.8
I	38 25.1
OCT 16	
ALQ I(P)	18 46 22.5
OCT 16	
HHM EP	20 37 09.9
OCT 16	
HHM E(P)	20 45 54.9
OCT 16	
BCN E(P)	21 43 52.2
EL	44 23.0
OCT 16	
HHM EP	21 59 36.7
OCT 16	
SLC E(P)	23 04 11.6
HHM EP	23 04 59.9
OCT 16	
BCN IP	23 05 11.8
IS	05 26.0
OCT 16	
COL EP	23 11 17.0
OCT 16	
HHM EP	23 14 42.9
OCT 16	
GCA IP	23 16 56.7
E	17 24.0
FGU IP	23 17 04.5
IS	17 35.0
OCT 16	
H-23 42 45.3	
44.1N 149.1E	
h ABOUT 033KM	
COL EP	23 50 18.0
BOZ EP	23 53 27.7

Date and Station	Phase (GCT)
	h m s
OCT 16	
SLC EP	23 56 04.8
EL	56 31.1
OCT 17	
SJG IP	00 06 28.5
IS	06 43.5
OCT 17	
COL IP	00 10 52.5
OCT 17	
BCN E(P)	00 10 57.0
E	11 20.8
EL	13 02.0
TUC E(P)	00 11 50.4
E	12 00.2
ALQ E(P)	00 13 20.0
OCT 17	
COL EP	00 14 54.0
OCT 17	
COL EP	00 50 06.0
OCT 17	
TUC EP	00 50 12.6
E	50 23.4
BCN E(P)	00 50 44.0
EL	52 27.5
ALQ I(P)	00 51 53.0
OCT 17	
H-00 59 34.5	
32.5N 140.3E	
h ABOUT 086KM	
GUA EP	01 03 55.2
COL EP	01 08 46.0
HHM EP	01 11 12.8
FGU EP	01 11 51.2
ALQ I(P)	01 12 19.0
OCT 17	
HHM IP	01 22 00.1
IS	22 09.4
BUT E(P)	01 22 28.0
EL	22 51.4
OCT 17	
H-01 38 36.0	
07.0S 155.8E	
h ABOUT 058KM	
GUA EP	01 43 39.0
E(S)	48 06.0
KIP E(P)	01 48 11.0
ES	55 31.0
EL	02 01 07.0
ET	48 32.0
COL IP	01 50 53.5
BCN E(P)	01 52 09.5

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	01 52 14.0
HON ES	01 55 33.0
EL	02 01 06.0
SJG EP'	01 57 55.0
OCT 17	
H-02 00 03.3	
59.5N 145.5W	
h ABOUT 033KM	
SIT E(P)	02 01 24.1
COL IP	02 01 24.1
HHM IP	02 04 49.6
BUT I(P)	02 05 02.0
BOZ EP	02 05 20.7
FGU EP	02 06 02.7
BCN EP	02 06 18.2
ALQ IP	02 06 57.8
IPCP	09 26.5
TUC IP D	02 07 00.8
SJG EP	02 11 07.9
OCT 17	
H-02 28 42.0	
32.2N 141.5E	
h ABOUT 022KM	
GUA EP	02 33 02.5
BOZ E(P)	02 40 41.7
OCT 17	
COL EP	02 37 38.0
OCT 17	
BHP IP D	02 50 50.0
IS	52 59.0
OCT 17	
H-03 17 28.1	
.7N 119.3E	
h ABOUT 062KM	
HHM EP'	03 36 00.4
BOZ EP'	03 36 06.6
BCN EP'	03 36 12.0
GCA EP'	03 36 15.0
RCD EP'	03 36 17.0
TUC EP'	03 36 20.3
EPKKP	46 12.2
ALQ IP'	03 36 23.9
IPKKP	46 06.2
ESKKP	49 29.0
SJG EP'	03 37 23.0

Date and Station	Phase (GCT)
	h m s
OCT 17	
COL E(P)	03 45 09.1
OCT 17	
HHM E(P)	04 12 14.9
OCT 17	
COL EP	05 28 31.0
OCT 17	
H-05 55 54.4	
22.3S 171.5E	
h ABOUT 116KM	
BCN EP	06 08 46.0
COL IP	06 08 51.0
EPKKP	26 05.8
TUC EP	06 08 52.0
ALQ E(P)	06 09 12.0
BOZ EP	06 09 17.7
HON E	06 12 32.0
EL	20 22.0
SJG EP'	06 14 43.5
OCT 17	
H-06 34 50.3	
42.4N 131.0E	
h ABOUT 513KM	
COL EP	06 42 51.8
HHM EP	06 45 28.6
BOZ EP	06 45 46.9
ALQ I(P)	06 46 42.2
OCT 17	
H-06 45 14.9	
44.5N 149.4E	
h ABOUT 033KM	
COL EP	06 52 44.0
BOZ EP	06 55 54.4
ALQ I(P)	06 56 56.6
OCT 17	
COL EP	07 16 22.3
OCT 17	
H-07 45 33.0	
13.6S 072.7W	
h ABOUT 057KM	
ALQ E(P)	07 55 21.5
TUC E(P)	07 55 42.8
EUR E(P)	07 56 30.8
BOZ EP	07 56 33.4
OCT 17	
H-08 06 17.2	
37.2S 052.2E	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
COL IP'	08 26 03.9
ALQ EP'	08 26 18.0
BOZ EP'	08 26 19.4
OCT 17	
SJG IP C	08 37 30.6
IS	38 06.3
OCT 17	
COL E(P)	09 03 40.2
OCT 17	
BCN E(P)	09 15 35.0
EL	16 18.0
TUC E(P)	09 15 50.0
OCT 17	
H-09 50 29.5	
35.0N 025.4E	
h ABOUT 033KM	
COL IP	10 02 41.0
SJG E(P)	10 02 52.0
RCD EP	10 03 21.0
BOZ E(P)	10 03 33.4
OCT 17	
BCN E(P)	09 57 23.0
EL	58 03.0
TUC E(P)	09 57 56.6
OCT 17	
H-10 02 37.3	
21.8S 170.2E	
h ABOUT 033KM	
COL E(P)	10 15 44.5
OCT 17	
H-10 14 02.7	
44.5N 149.9E	
h ABOUT 033KM	
COL IP	10 21 30.2
BOZ EP	10 24 41.0
ALQ I(P)	10 25 58.5
OCT 17	
COL IP	11 10 19.0
OCT 17	
COL E	11 29 22.6
OCT 17	
H-12 07 30.6	
35.8N 141.3E	
h ABOUT 045KM	
COL EP	12 16 23.0
BOZ EP	12 19 13.0
BCN EP	12 19 35.0
TUC EP	12 20 00.2

Date and Station	Phase (GCT)
	h m s
ALQ I(P)	12 20 06.0
OCT 17	
TUC E(P)	12 49 26.0
OCT 17	
GUA EP	12 51 28.9
ES	51 39.2
OCT 17	
COL EP	13 18 46.0
OCT 17	
COL EP	13 35 56.0
OCT 17	
BOZ IP	13 58 26.6
OCT 17	
H-14 24 38.7	
28.1N 045.3W	
h ABOUT 033KM	
SJG EP	14 29 28.0
ALQ E(P)	14 33 52.9
EUR EP	14 34 33.1
COL EP	14 35 47.0
OCT 17	
H-14 48 10.9	
26.7N 044.6W	
h ABOUT 033KM	
SJG IP	14 53 00.4
ES	57 08.0
EL	58 10.0
RCD EP	14 56 59.0
BOZ EP	14 57 46.1
TUC E(P)	14 57 55.6
BCN EP	14 58 15.4
COL EP	14 59 30.0
OCT 17	
H-15 01 14.0	
07.1S 129.4E	
h ABOUT 117KM	
COL EP	15 14 15.4
SJG EP'	15 21 04.5
E	21 47.5
OCT 17	
ALQ IP	15 19 57.5
OCT 17	
COL EP	16 14 17.0
OCT 17	
COL E	16 40 44.5
OCT 17	
FGU EP	17 20 32.7
OCT 17	
BOZ EP	18 23 36.1

Date and Station	Phase (GCT)
	h m s
OCT 17	
H-18 25 46.8	
.6S 122.2E	
h ABOUT 152KM	
ALQ IP'	18 44 31.5
OCT 17	
COL IP	19 58 54.8
OCT 17	
TUC IP	20 13 02.0
IS	13 22.0
BCN EP	20 14 18.4
OCT 17	
SLC EP	21 46 28.9
OCT 17	
TUC EP	22 51 54.6
OCT 17	
GUA E(P)	23 31 40.0
OCT 17	
BCN E(P)	23 44 57.0
EL	46 15.0
OCT 17	
COL EP	23 54 54.0
OCT 18	
COL IP	01 22 21.4
OCT 18	
COL EP	01 47 15.0
OCT 18	
H-02 49 16.8	
2.8N 078.0W	
h ABOUT 068KM	
BHP IP	02 50 50.0
IS	52 59.0
SJG IP D	02 53 38.0
E	53 54.7
ALQ IP	02 57 00.6
TUC IP C	02 57 08.6
FGU EP	02 57 46.7
BOZ EP C	02 58 20.0
COL EP	03 01 14.0
OCT 18	
COL EP	04 02 43.0
OCT 18	
COL EP	04 42 29.0
OCT 18	
H-06 16 35.2	
44.4N 149.7E	
h ABOUT 033KM	
COL IP	06 24 04.4
I	24 15.9
KIP IP	06 25 19.0
BUT E(P)	06 27 15.0
BOZ EP	06 27 15.0
BCN EP	06 27 43.0
TUC EP	06 28 11.3
ALQ IP	06 28 17.0
OCT 18	
COL E(P)	06 45 48.3
OCT 18	
H-07 07 31.8	
19.4N 068.7W	
h ABOUT 033KM	
SJG IP D	07 08 14.7
IS	08 48.0
ALQ I(P)	07 14 38.7
BCN E(P)	07 15 36.5
COL EP	07 18 29.3
OCT 18	
SJG EP	07 19 29.3
ES	20 03.5
OCT 18	
HHM E(P)	07 25 12.9
OCT 18	
COL IP	08 04 05.2
OCT 18	
TUC E(P)	08 36 23.4
OCT 18	
H-09 06 26.0	
2.9N 065.7E	
h ABOUT 033KM	
BOZ EP'	09 25 38.6
EPP	27 56.0
BCN EP'	09 25 52.5
EPP	28 52.5
ALQ EP'	09 25 53.6
TUC EP'	09 26 01.4
OCT 18	
ALQ E(P)	09 24 43.5
OCT 18	
H-09 26 57.3	
14.4S 167.0E	
h ABOUT 050KM	
COL EP	09 39 33.3
OCT 18	
COL EP	10 00 53.0
HHM EP	10 03 25.3
OCT 18	
HON E	10 07 58.0
EL	23 11.0
OCT 18	
H-10 45 15.5	
12.2N 089.3W	
h ABOUT 033KM	
CSC E(P)	10 50 21.0
ALQ E(P)	10 51 03.0
TUC EP	10 51 10.3
BCN E(P)	10 51 56.0
OCT 18	
TUC EP	10 58 20.0
OCT 18	
HHM EP	12 18 56.6
OCT 18	
H-12 32 24.1	
07.0S 124.0E	
h ABOUT 574KM	
GUA EP	12 37 40.0
ES	41 53.2
KIP IP	12 43 46.4
ES	53 16.0
E	54 05.0
EsS	56 53.0
E	13 02 08.0
EPKKP	02 15.0
EL	13 05 27.0
HON IP	12 43 47.0
ES	53 16.0
EPKKP	13 02 02.0
EL	05 31.0
COL EP	12 44 47.0
EPKKP	13 01 26.0
BOZ E(P)	12 46 35.5
EP'	50 10.4
E(PP)	51 38.2
BCN EP	12 46 36.5
IP'	50 11.5
IPP	51 43.0
ESKP	52 55.0
PKKP	13 00 28.5
ALQ E(P)	12 47 21.5
IP'	50 25.0
IPP	52 27.2
UKI EP'	12 49 59.0
SLC EP'	12 50 05.9
I	50 13.0
BUT IP'	12 50 13.5
IPKKP	13 00 40.0
FGU EP'	12 50 14.8
I	50 16.3
GCA IP'	12 50 16.0
TUC EP'	12 50 18.8
EPKKP	13 00 12.0
PHI EP'	12 50 48.5
I	50 56.0
CSC IP'	12 51 00.0
EPP'	53 22.0
BHP IP'	12 51 16.0
SJG IP'	12 51 23.5
OCT 18	
HHM EP	12 37 05.1
I	37 20.4
OCT 18	
H-13 20 20.3	
29.7N 050.8E	
h ABOUT 033KM	
COL IP	13 32 51.5
OCT 18	
COL IP	13 44 16.3
OCT 18	
COL E(P)	14 06 41.9
OCT 18	
COL EP	14 53 09.0
OCT 18	
TUC EP	15 00 08.7
OCT 18	
COL E	15 07 49.1
OCT 18	
COL E(P)	15 11 11.1
OCT 18	
H-15 58 10.5	
59.1N 148.2W	
h ABOUT 033KM	
COL IP	15 59 35.5
BOZ EP	16 03 41.0
EUR EP	16 04 04.8
OCT 18	
EUR EP	16 28 14.3
I	28 52.5
OCT 18	
COL EP	17 31 19.0
OCT 18	
GUA E(P)	18 27 07.9
OCT 18	
H-18 33 20.6	
41.9N 111.8W	
h ABOUT 010KM	
SLC IP	18 33 39.7
IS	33 53.6
IL	34 39.0
FGU IP	18 33 54.0
BOZ E(P)	18 34 18.0
E	34 21.0

Date and Station	Phase (GCT)
	h m s
EUR IP	18 34 22.6
BUT E(P)	18 34 35.0
I	34 36.0
ES	35 24.0
GCA E(P)	18 34 37.2
BCN EP	18 34 58.5
IL	36 46.5
ALQ E(P)	18 35 20.5
E	35 59.6
TUC E(P)	18 35 44.0
E	35 53.4
CSC EP	18 38 49.0
COL EP	18 39 36.6
OCT 18	
FGU E(P)	18 47 02.5
E(S)	47 28.5
OCT 18	
COL EP	19 47 50.0
OCT 18	
H-20 03 34.7	
16.4S 174.3W	
h ABOUT 189KM	
TUC EP	20 15 12.1
COL IP	20 15 42.2
OCT 18	
COL EP	20 11 50.0
OCT 18	
H-20 57 14.8	
20.5S 067.1W	
h ABOUT 210KM	
TUC E(P)	21 07 47.7
EUR E(P)	21 08 34.0
OCT 18	
H-21 25 29.9	
28.0N 054.7E	
h ABOUT 061KM	
COL EP	21 38 03.6
OCT 18	
H-21 45 10.4	
60.3N 152.3W	
h ABOUT 096KM	
COL IP	21 46 25.5
E(S)	47 15.9
EUR EP	21 51 18.5
OCT 18	
H-21 56 01.0	
7.1N 144.4E	
h ABOUT 033KM	
GUA EP	21 57 34.0
ES	58 40.0
ET	22 02 47.0

Date and Station	Phase (GCT)
	h m s
COL EP	22 07 36.0
BOZ E(P)	22 09 20.0
OCT 18	
H-22 31 37.7	
19.4S 179.1W	
h ABOUT 666KM	
KIP EP	22 39 02.0
BCN EP	22 42 53.0
GCA E(P)	22 42 55.9
EUR IP	22 42 56.8
TUC IP C	22 42 58.0
GCA EP	22 43 05.5
COL IP	22 43 15.0
ALQ IP	22 43 18.0
FGU EP	22 43 21.5
BOZ EP	22 43 24.4
OCT 18	
H-22 35 45.5	
29.7N 051.0E	
h ABOUT 036KM	
COL EP	22 48 16.7
OCT 18	
TUC EP	22 53 48.2
OCT 18	
COL EP	23 25 25.0
OCT 18	
TUC E(P)	23 41 36.0
OCT 18	
H-23 52 34.3	
05.9S 105.0E	
h ABOUT 079KM	
BOZ EP'	24 11 36.0
EUR EP'	24 11 39.4
OCT 19	
BOZ E(P)	00 14 49.5
EUR IP	00 14 55.6
TUC E(P)	00 15 20.0
OCT 19	
SLC E(P)	00 36 11.2
E	36 13.7
EUR EP	00 36 55.8
OCT 19	
H-01 30 18.4	
59.2N 151.2W	
h ABOUT 033KM	
COL IP	01 31 45.4

Date and Station	Phase (GCT)
	h m s
EUR EP	01 36 24.4
OCT 19	
H-02 15 58.1	
31.4N 079.0E	
h ABOUT 033KM	
COL EP	02 27 50.3
OCT 19	
COL EP	02 27 03.9
OCT 19	
HHM EP	02 58 42.6
OCT 19	
TUC E(P)	03 00 04.0
OCT 19	
EUR EP	03 18 04.8
OCT 19	
COL EP	04 30 13.0
OCT 19	
TUC E(P)	04 49 41.2
OCT 19	
H-05 39 55.8	
46.6N 027.1W	
h ABOUT 033KM	
BOZ EP	05 49 30.3
TUC EP	05 50 24.0
OCT 19	
HHM EP	06 26 55.1
OCT 19	
COL EP	06 49 55.0
OCT 19	
TUC EP	07 17 28.7
OCT 19	
H-08 50 30.4	
24.7S 179.6W	
h ABOUT 475KM	
TUC EP	09 02 25.0
EUR EP	09 02 26.2
BOZ E(P)	09 02 54.0
OCT 19	
HHM E(P)	09 25 31.6
E	27 40.2
OCT 19	
EUR EP	10 59 39.1
OCT 19	
BOZ E(P)	11 41 01.3
OCT 19	
H-12 35 17.8	
49.8N 155.6E	
h ABOUT 050KM	
COL IP	12 41 47.4
BOZ EP	12 45 11.7

Date and Station	Phase (GCT)
	h m s
EUR EP	12 45 23.2
OCT 19	
COL EP	13 17 05.0
OCT 19	
H-13 29 29.4	
04.6S 152.9E	
h ABOUT 070KM	
COL IP	13 41 40.9
EUR EP	13 42 40.9
SJG EP'	13 48 52.5
OCT 19	
COL EP	13 44 23.6
OCT 19	
H-13 54 29.1	
14.4S 166.4E	
h ABOUT 009KM	
COL IP	14 07 12.4
OCT 19	
TUC E(P)	14 47 37.8
OCT 19	
BOZ EP	15 01 47.4
OCT 19	
BHP IP	15 05 02.0
IS	05 27.0
OCT 19	
TUC E(P)	15 18 10.0
OCT 19	
H-15 33 34.9	
45.1N 150.9E	
h ABOUT 033KM	
COL IP	15 40 53.6
BOZ EP	15 44 06.8
E	44 16.8
EUR IP	15 44 16.1
RCD EP	15 44 44.0
ALQ E(P)	15 45 10.5
OCT 19	
SLC EP	15 35 33.6
OCT 19	
HHM EP	16 03 10.2
OCT 19	
COL E(P)	16 10 36.0
OCT 19	
COL E	16 11 55.0
OCT 19	
H-16 29 49.1	
59.7N 148.7W	
h ABOUT 053KM	
COL IP	16 31 06.3

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	16 35 17.4
EUR IP	16 35 44.3
ALQ E(P)	16 36 57.0
EPCP	39 14.8
OCT 19	
ALQ E(P)	16 36 05.0
OCT 19	
ALQ E(P)	16 43 26.5
OCT 19	
COL EP	17 07 53.0
OCT 19	
GCA IP	17 41 10.2
OCT 19	
GCA IP	17 41 20.5
OCT 19	
COL E(P)	18 18 27.1
OCT 19	
HHM EP	18 35 02.7
I	35 21.2
IL	36 45.2
OCT 19	
ALQ E(P)	18 50 04.0
OCT 19	
GUA IP	19 33 58.4
ALQ E(P)	19 45 49.0
OCT 19	
BOZ EP	19 59 51.2
OCT 19	
ALQ EP	20 13 52.5
E	14 32.5
OCT 19	
COL EP	20 39 54.0
OCT 19	
COL EP	20 45 53.0
OCT 19	
ALQ EP	21 10 13.0
E	10 44.5
COL EP	21 14 28.0
OCT 19	
H-21 14 52.2	
15.7S 177.8W	
h ABOUT 398KM	
TUC EP	21 26 20.3
COL IP	21 26 37.7
ALQ I(P)	21 26 42.2
BOZ EP	21 26 47.0
OCT 19	
H-21 17 59.8	
36.1S 073.5W	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
SJG EP	21 27 24.0
I	27 30.0
TUC EP	21 29 47.9
E	29 54.6
ALQ IP D	21 29 51.0
I	29 58.0
GCA EP	21 30 12.5
BCN EP	21 30 15.0
E	30 21.6
FGU EP	21 30 25.5
EUR IP	21 30 32.2
BOZ EP	21 30 48.4
OCT 19	
H-21 38 28.8	
44.2N 149.3E	
h ABOUT 033KM	
COL EP	21 46 01.0
BOZ EP	21 49 10.5
BCN EP	21 49 38.0
ALQ E(P)	21 50 12.5
OCT 19	
EUR EP	21 44 48.2
OCT 19	
HHM EP	21 50 26.0
OCT 19	
SLC EP	21 59 45.5
ES	22 00 06.5
OCT 19	
BOZ EP	22 05 55.0
OCT 19	
EUR EP	22 34 19.9
OCT 19	
EUR EP	22 43 10.6
HHM EP	22 43 23.2
OCT 19	
SLC EP	23 02 36.5
E	03 04.5
OCT 19	
BOZ EP	23 24 37.4
OCT 19	
H-23 26 36.0	
19.1N 108.5W	
h ABOUT 033KM	
ALQ I(P)	23 30 23.2
EUR EP	23 31 23.2
OCT 19	
EUR EP	23 40 24.7
COL E(P)	23 43 09.2

Date and Station	Phase (GCT)
	h m s
OCT 20	
GUA EP	00 47 55.0
ES	48 19.2
OCT 20	
COL EP	00 49 31.0
OCT 20	
TUC EP	00 53 59.0
I	54 10.3
EL	54 56.9
ALQ E(P)	00 54 03.5
I	54 16.0
GCA EP	00 55 06.1
OCT 20	
H-00 49 05.7	
19.6S 174.8W	
h ABOUT 029KM	
BCN EP	01 01 10.7
TUC EP	01 01 15.2
E	01 41.8
EUR IP	01 01 15.8
ALQ IP	01 01 38.3
I	02 05.0
COL IP	01 01 46.8
BOZ EP	01 01 47.0
OCT 20	
TUC E(P)	01 07 39.0
OCT 20	
HHM E(P)	01 35 32.4
OCT 20	
COL EP	01 59 36.0
OCT 20	
COL EP	02 08 14.0
OCT 20	
COL EP	03 33 40.0
OCT 20	
COL EP	03 59 27.0
OCT 20	
BHP IP	04 12 07.0
IS	12 11.0
OCT 20	
COL EP	04 21 56.0
OCT 20	
COL E	04 28 01.2
OCT 20	
COL EP	05 09 37.0
BOZ E(P)	05 13 43.9
ALQ E(P)	05 14 06.5
OCT 20	
COL E	05 16 21.0

Date and Station	Phase (GCT)
	h m s
OCT 20	
H-05 41 16.3	
18.6N 108.5W	
h ABOUT 033KM	
ALQ I(P)	05 45 07.8
BCN EP	05 45 29.5
EUR EP	05 46 08.2
OCT 20	
TUC E(P)	05 46 58.3
OCT 20	
ALQ E(P)	05 52 34.0
OCT 20	
EUR EP	05 58 46.4
COL E(P)	06 01 11.1
OCT 20	
H-06 24 11.9	
56.9N 152.6W	
h ABOUT 048KM	
COL EP	06 26 13.0
EUR EP	06 30 13.6
OCT 20	
TUC E(P)	06 58 17.5
E	58 57.3
E	59 11.0
OCT 20	
ALQ E(P)	08 16 49.0
COL EP	08 17 28.0
OCT 20	
TUC E(P)	08 54 07.4
OCT 20	
ALQ E(P)	11 28 00.0
OCT 20	
HHM IP	11 40 26.0
IS	40 33.5
OCT 20	
TUC EP	13 13 49.5
OCT 20	
BCN IP C	13 49 08.4
IS	49 09.9
OCT 20	
COL IP	13 59 56.1
OCT 20	
HHM EP	16 34 49.5
E	35 05.8
OCT 20	
EUR EP	17 13 01.6
OCT 20	
SJG E(P)	18 24 28.0
ES	24 51.3
BOZ EP	18 32 35.8

Date and Station	Phase (GCT)
	h m s
OCT 20	
ALQ EP	19 28 49.8
OCT 20	
H-20 04 01.6	
23.9S 179.0W	
h ABOUT 165KM	
TUC EP	20 16 25.0
OCT 20	
ALQ E(P)	20 06 51.0
OCT 20	
COL EP	20 35 02.0
OCT 20	
ALQ EP	21 32 29.5
OCT 20	
SLC EP	22 03 37.6
EUR EP	22 04 20.1
OCT 20	
ALQ IP C	22 15 31.6
IS	15 43.5
OCT 20	
ALQ IP D	22 27 13.7
E(S)	27 46.3
EUR IP	22 27 26.2
OCT 20	
TUC EP	22 54 14.8
OCT 20	
H-23 34 59.4	
14.8N 060.2W	
h ABOUT 033KM	
SJG IP D	23 36 37.5
ES	37 49.2
ALQ E(P)	23 43 22.0
TUC EP	23 43 46.0
BOZ EP	23 44 13.4
EUR EP	23 44 25.5
COL EP	23 46 43.3
OCT 20	
H-23 48 13.9	
13.6N 092.2W	
h ABOUT 033KM	
ALQ E(P)	23 53 36.0
TUC E(P)	23 53 37.6
EUR EP	23 54 49.3
BOZ E(P)	23 55 13.0
OCT 21	
ALQ E(P)	00 33 49.5
OCT 21	
COL EP	01 31 37.0

Date and Station	Phase (GCT)
	h m s
OCT 21	
EUR EP	02 04 56.8
OCT 21	
COL EP	02 13 40.0
OCT 21	
H-02 13 49.0	
30.0N 141.2E	
h ABOUT 033KM	
GUA E(P)	02 17 48.0
COL IP	02 23 20.6
BOZ EP	02 25 56.5
EUR EP	02 25 59.8
ALQ E(P)	02 26 44.2
OCT 21	
COL EP	04 06 27.0
OCT 21	
EUR EP	05 56 40.2
OCT 21	
TUC EP	06 28 56.4
IS	29 24.8
OCT 21	
TUC E(P)	06 39 27.3
OCT 21	
ALQ EP	06 46 30.5
OCT 21	
H-07 38 28.7	
44.8N 111.6W	
h ABOUT 015KM	
BOZ IP	07 38 43.0
IL	39 20.0
BZM IP	07 38 46.6
E	40 18.5
BUT IP	07 38 53.2
SLC IP	07 39 31.6
EUR IP	07 40 02.0
GCA E(P)	07 40 14.0
I	40 15.1
BCN EP	07 40 44.0
IL	43 15.7
UKI E(P)	07 40 59.5
ALQ EP	07 41 02.6
E(S)	43 34.7
E	44 07.6
TUC EP	07 41 32.0
I	42 19.1
E(L)	44 20.0
SIT E(P)	07 42 55.2
E(L)	48 23.0

Date and Station	Phase (GCT)
	h m s
WAS E(P)	07 44 03.0
E(S)	48 27.0
COL IP	07 44 25.5
EL	53 20.1
SJG EP	07 46 56.0
PHI E(S)	07 48 37.0
E	49 02.5
I	51 26.8
OCT 21	
BCN EP	08 13 48.2
ES	14 15.0
OCT 21	
BUT EP	11 46 54.9
IL	47 17.0
OCT 21	
H-11 48 30.9	
02.7S 138.9E	
h ABOUT 099KM	
COL EP	12 00 57.7
OCT 21	
COL EP	12 54 32.0
OCT 21	
COL E(P)	13 46 42.2
EUR EP	13 49 46.6
ALQ E(P)	13 50 36.5
OCT 21	
ALQ E(P)	14 07 57.5
OCT 21	
ALQ EP	14 26 35.0
OCT 21	
H-14 32 57.6	
58.5N 151.9W	
h ABOUT 033KM	
COL IP	14 34 36.2
OCT 21	
COL IP	14 55 29.3
OCT 21	
COL EP	15 09 04.2
E	09 14.0
OCT 21	
COL E(P)	15 41 04.1
OCT 21	
EUR EP	16 02 13.3
OCT 21	
COL EP	16 58 31.0
OCT 21	
H-17 23 33.7	
35.9N 071.3E	
h ABOUT 181KM	
COL IP	17 34 57.2

Date and Station	Phase (GCT)
	h m s
OCT 21	
COL EP	17 41 43.0
OCT 21	
COL EP	18 31 22.0
OCT 21	
FGU EP	18 57 32.5
IS	57 51.0
OCT 21	
COL EP	19 34 50.0
OCT 21	
H-20 02 20.5	
44.8N 111.6W	
h ABOUT 033KM	
BOZ IP C	20 02 33.8
ES	02 46.0
BZM IP	20 02 37.5
IS	02 51.2
BUT IP	20 02 44.2
SLC E(P)	20 03 23.9
I	03 30.2
FGU E(P)	20 03 31.5
EL	04 27.3
EUR E(P)	20 03 51.8
ALQ E(P)	20 04 53.5
OCT 21	
RCD E(P)	20 25 54.0
E(S)	25 57.0
EUR EP	20 26 17.4
OCT 21	
H-20 56 58.7	
15.1S 173.0W	
h ABOUT 033KM	
EUR IP	21 08 44.8
TUC EP	21 08 45.0
GCA EP	21 08 55.5
ALQ IP	21 09 09.2
COL IP	21 09 15.3
BOZ EP	21 09 16.5
E	09 30.6
OCT 21	
BCN E(P)	21 45 44.5
EL	46 20.0
OCT 21	
SLC EP	22 01 48.8
EUR EP	22 02 31.5
OCT 21	
TUC EP	22 21 28.1
OCT 21	
TUC EP	22 55 56.6

Date and Station	Phase (GCT)
	h m s
OCT 21	
GCA EP	23 03 47.3
IS	03 57.0
EUR EP	23 05 10.1
OCT 21	
H-23 09 18.8	
28.1N 093.8E	
h ABOUT 037KM	
GUA EP	23 18 11.0
IS	25 09.0
COL IP	23 21 03.3
ES	30 46.0
BOZ E(P)	23 23 21.0
(P')	27 24.5
ALQ E(P)	23 24 22.0
IP'	28 04.0
IPP	28 56.4
EUR IP'	23 27 58.6
BCN EP'	23 28 13.0
SJG EP'	23 28 37.0
E	28 48.0
EPP	30 49.0
ESKP	31 51.2
HON E	23 33 23.0
E	40 14.0
EL	47 44.0
KIP E	23 33 47.0
E	40 24.0
EL	47 32.0
OCT 21	
EUR EP	23 27 09.3
OCT 21	
GCA E(P)	23 52 40.7
OCT 21	
COL EP	23 59 56.0
OCT 22	
CSC EP	00 06 00.0
OCT 22	
COL EP	01 01 37.0
OCT 22	
GUA IP	01 47 04.5
ES	47 17.5
OCT 22	
COL EP	02 57 34.4
OCT 22	
H-03 02 16.7	
40.4N 138.7E	
h ABOUT 033KM	
COL IP	03 10 49.2
I(PP)	12 49.3
EUR EP	03 13 58.8
BCN EP	03 14 16.0
TUC EP	03 14 41.5
ALQ IP	03 14 46.1
I	14 52.8
OCT 22	
COL EP	04 54 20.0
OCT 22	
H-06 41 32.7	
38.9N 075.8E	
h ABOUT 120KM	
COL E	06 52 38.8
OCT 22	
HHM IP	07 39 29.1
OCT 22	
H-09 54 36.9	
36.7N 141.1E	
h ABOUT 040KM	
GUA IP	09 59 41.0
ES	10 03 54.0
COL IP	10 03 26.1
EUR IP	10 06 23.6
BCN EP	10 06 39.6
EPP	06 53.5
FGU E(P)	10 06 41.4
RCD EP	10 06 44.4
E(PP)	07 01.0
TUC EP	10 07 05.0
ALQ IP	10 07 11.0
IPP	07 23.2
OCT 22	
COL E(P)	09 57 50.8
OCT 22	
GUA EP	11 57 07.0
OCT 22	
TUC E(P)	11 59 47.2
OCT 22	
COL EP	12 05 49.0
OCT 22	
GUA E(P)	12 06 04.0
OCT 22	
GUA E(P)	12 12 06.5
OCT 22	
COL EP	12 27 21.0
OCT 22	
H-12 37 45.8	
23.6N 142.7E	
h ABOUT 086KM	
GUA IP	12 40 12.0
E(S)	42 04.0
COL EP	12 47 46.0
EUR EP	12 50 05.9
BCN EP	12 50 18.0
OCT 22	
GUA E(P)	14 30 13.3
COL EP	14 34 36.0
OCT 22	
GUA IP	14 30 14.0
OCT 22	
H-15 10 58.3	
15.7N 091.4W	
h ABOUT 033KM	
COL E(P)	15 21 17.2
OCT 22	
H-16 00 00.0	
31.1N 089.6W	
h ABOUT 000KM	
WAS E(P)	16 03 03.0
E	06 50.0
ALQ E(P)	16 03 27.8
IL	08 05.0
TUC EP	16 04 13.2
GCA E(P)	16 04 27.2
BCN EP	16 04 56.0
COL I(P)	16 08 47.4
E	13 32.0
OCT 22	
H-16 04 15.0	
18.8N 108.0W	
h ABOUT 033KM	
TUC E(P)	16 07 28.4
E	07 38.3
BCN EP	16 08 27.9
GCA EP	16 08 30.6
SLC EP	16 09 10.7
RCD E(P)	16 09 27.9
SJG EP	16 11 49.5
OCT 22	
GCA E(P)	16 04 15.2
TUC IP	16 05 03.5
OCT 22	
SLC E(P)	16 08 37.2
OCT 22	
COL E	16 17 50.2
OCT 22	
COL IP	16 32 27.4
OCT 22	
GCA E(P)	19 27 30.9
OCT 22	
GCA E(P)	19 27 42.9
OCT 22	
BHP IP	19 41 05.0
IS	41 40.0
OCT 22	
ALQ E(P)	19 53 27.5
OCT 22	
COL EP	20 00 49.6
HHM IP	20 03 19.8
OCT 22	
COL IP	20 50 06.1
OCT 22	
BCN E(P)	20 55 19.6
EL	55 52.9
OCT 22	
COL EP	22 00 08.0
SLC EP	22 00 30.2
OCT 22	
ALQ E(P)	22 05 31.3
OCT 22	
TUC EP	22 59 50.5
SLC EP	23 01 50.7
OCT 22	
HHM E(P)	23 23 03.4
OCT 22	
BUT E(P)	23 27 07.0
OCT 22	
SJG EP	23 33 26.5
ES	34 16.6
OCT 23	
COL EP	00 19 05.0
EUR EP	00 22 59.4
OCT 23	
TUC E(P)	01 10 47.9
OCT 23	
H-01 56 03.2	
19.8N 056.0W	
h ABOUT 031KM	
SJG IP C	01 58 22.5
I(S)	02 00 08.6
IL	00 36.6
BHP IP	02 01 29.6
PHI IP	02 01 37.1
WAS EP	02 01 40.1
E	05 10.1
CSC IP	02 01 40.1
E	01 51.1
ES	06 12.1

Date and Station	Phase	(GCT)
		h m s
RCD	IP	02 04 24.0
	ES	11 08.0
ALQ	IP	02 04 33.0
	EPP	06 27.2
TUC	EP C	02 04 59.2
	EPP	07 05.4
	ES	12 03.0
	EL	15 50.0
GCA	IP	02 05 05.8
SLC	IP	02 05 09.7
BOZ	EP	02 05 12.6
	E	05 21.5
	ES	12 36.0
BUT	IP	02 05 18.1
BCN	IP C	02 05 25.7
	EPP	07 41.1
EUR	IP	02 05 31.4
UKI	EP	02 06 11.8
	E	06 24.8
SIT	E(P)	02 07 01.3
COL	EP	02 07 30.0
HON	EP	02 09 19.0
	ES	19 57.0
GUA	EP'	02 15 30.5
OCT 23		
SJG	IP	02 06 42.0
	IS	08 23.0
OCT 23		
EUR	I(P)	02 13 57.1
OCT 23		
TUC	E(P)	03 04 20.6
OCT 23		
GUA	E(P)	03 12 13.0
OCT 23		
HHM	EP	03 13 30.7
OCT 23		
H-05 06 43.9		
23.6S 180.0W		
h ABOUT 548KM		
TUC	EP	05 18 29.7
EUR	EP	05 18 30.3
OCT 23		
H-06 53 25.1		
2.7S 142.1E		
h ABOUT 033KM		
COL	EP	07 05 53.0
SJG	EP'	07 13 10.0

Date and Station	Phase	(GCT)
		h m s
OCT 23		
H-09 39 06.2		
28.2S 177.3W		
h ABOUT 068KM		
TUC	EP	09 51 47.1
EUR	EP	09 51 50.8
OCT 23		
COL	E(P)	09 58 52.6
EUR	EP	09 59 46.4
OCT 23		
HHM	EP	10 06 00.5
OCT 23		
H-11 08 03.1		
45.2N 152.0E		
h ABOUT 033KM		
COL	IP	11 15 19.3
BOZ	EP	11 18 31.6
EUR	IP	11 18 40.4
RCD	E(P)	11 19 03.0
BCN	E(P)	11 19 09.5
OCT 23		
TUC	E(P)	11 19 04.2
OCT 23		
HHM	EP	12 49 52.6
OCT 23		
H-13 57 09.6		
38.5N 118.4W		
h ABOUT 015KM		
EUR	IP	13 57 44.6
BCN	EP	13 58 09.0
	I(S)	58 48.6
	IL	59 10.5
UKI	E(P)	13 58 16.0
	E(S)	59 08.5
GCA	EP	13 58 34.0
	I	58 50.3
TUC	E(P)	13 59 18.2
	E(L)	14 01 27.0
BOZ	EP	13 59 20.0
	EL	14 01 40.0
ALQ	E(P)	13 59 52.5
	EL	14 02 32.5
OCT 23		
EUR	EP	14 18 04.5
OCT 23		
HHM	EP	16 05 28.1
OCT 23		
COL	IP	16 18 31.8

Date and Station	Phase	(GCT)
		h m s
OCT 23		
SLC	EP	16 42 23.8
OCT 23		
SJG	EP	16 48 19.0
	IL	50 01.5
OCT 23		
EUR	EP	17 50 31.7
TUC	EP	17 50 51.0
	ES	51 11.0
OCT 23		
EUR	IP	18 13 46.3
OCT 23		
COL	E(P)	19 54 35.9
OCT 23		
SJG	EP	20 08 23.5
	EL	08 56.0
OCT 23		
H-21 06 24.2		
44.0N 147.5E		
h ABOUT 045KM		
COL	IP	21 14 01.6
SIT	E(P)	21 15 11.2
BUT	E(P)	21 16 59.3
BOZ	EP	21 17 10.5
	EPP	17 23.0
EUR	IP	21 17 20.0
BCN	EP	21 17 38.3
GCA	EP	21 17 46.0
TUC	EP	21 18 07.2
	E	18 33.6
ALQ	IP	21 18 11.8
HON	ES	21 22 36.0
	EL	29 09.0
OCT 23		
SLC	EP	21 58 58.4
EUR	EP	21 59 42.8
OCT 23		
H-22 22 06.9		
61.8N 161.6W		
h ABOUT 029KM		
COL	IP	22 23 49.5
OCT 23		
EUR	IP	22 42 31.5
OCT 23		
TUC	IP	23 00 44.6
OCT 23		
SLC	EP	23 05 37.9
BOZ	EP	23 05 42.6

Date and Station	Phase	(GCT)
		h m s
OCT 24		
EUR	EP	00 01 55.9
	I	02 10.7
OCT 24		
H-00 40 09.4		
44.2N 149.3E		
h ABOUT 033KM		
COL	EP	00 47 41.0
BOZ	EP	00 50 50.5
EUR	EP	00 50 59.7
TUC	E(P)	00 51 48.4
ALQ	E(P)	00 51 52.2
OCT 24		
HHM	IP	01 03 38.1
OCT 24		
COL	IP	01 44 24.6
OCT 24		
BCN	IP C	01 46 08.7
	IS	46 28.0
GCA	IP	01 46 12.0
	IS	46 31.0
EUR	EP	01 46 33.5
	I	46 42.4
TUC	E(P)	01 47 08.5
	E	48 24.3
ALQ	E(P)	01 47 14.5
OCT 24		
HHM	E(P)	02 05 26.0
	I	05 27.5
OCT 24		
EUR	EP	03 24 46.0
OCT 24		
COL	EP	04 38 17.0
OCT 24		
SJG	EP	04 45 20.0
OCT 24		
COL	IP	04 52 09.0
OCT 24		
ALQ	E(P)	05 32 22.0
OCT 24		
BOZ	E(P)	06 11 10.0
EUR	EP	06 12 07.3
ALQ	E(P)	06 12 42.5
OCT 24		
H-06 37 45.7		
44.5N 129.5W		
h ABOUT 033KM		
EUR	EP	06 40 28.4
BOZ	E(P)	06 40 33.7

Date and Station	Phase (GCT)
	h m s
BCN E(P)	06 41 13.0
ALQ E(P)	06 42 19.0
OCT 24	
H-06 44 37.9	
44.4N 130.0W	
h ABOUT 033KM	
UKI E(P)	06 46 22.8
EUR IP	06 47 24.3
BUT E(P)	06 47 34.1
BOZ EP	06 47 42.6
EL	51 24.0
BCN EP	06 48 01.5
GCA EP	06 48 21.0
RCD EP	06 48 59.0
TUC EP	06 49 02.9
E(S)	52 43.0
ALQ E(P)	06 49 13.5
OCT 24	
BUT E(P)	06 47 07.6
OCT 24	
H-06 51 01.9	
38.8N 071.0E	
h ABOUT 057KM	
COL EP	07 02 23.0
BOZ EP	07 04 25.0
OCT 24	
H-07 51 30.7	
60.9N 146.7W	
h ABOUT 033KM	
COL IP	07 52 30.9
OCT 24	
H-08 46 25.0	
24.8N 122.1E	
h ABOUT 063KM	
COL EP	08 57 18.0
BOZ EP	08 59 40.5
EUR P	08 59 48.5
OCT 24	
BCN E(P)	09 20 39.5
E	20 57.0
EL	21 42.0
OCT 24	
COL EP	09 47 33.0
OCT 24	
TUC E(P)	09 58 16.1
OCT 24	
HON E	10 08 08.0
EL	15 10.0

Date and Station	Phase (GCT)
	h m s
OCT 24	
COL E(P)	10 22 29.1
OCT 24	
COL E(P)	10 37 50.6
OCT 24	
EUR EP	10 54 16.3
OCT 24	
SJG E(P)	11 05 11.0
OCT 24	
HHM E(P)	11 18 12.2
OCT 24	
ALQ E(P)	11 48 24.5
E	50 27.0
TUC E(P)	11 49 27.2
E	51 08.2
OCT 24	
BCN IP D	11 50 05.2
IS	50 08.5
OCT 24	
BCN E(P)	11 52 20.0
OCT 24	
COL E	12 26 25.5
OCT 24	
TUC E(P)	12 30 02.4
OCT 24	
HHM E(P)	12 37 27.0
E	38 32.3
OCT 24	
ALQ E(P)	13 17 57.0
OCT 24	
COL E	13 22 18.2
OCT 24	
H-13 46 19.1	
55.8N 160.4E	
h ABOUT 033KM	
COL EP	13 51 54.7
BOZ EP	13 55 33.7
E	56 04.5
EUR IP	13 55 51.8
TUC EP	13 56 46.5
OCT 24	
HHM E(P)	13 59 27.4
E	59 42.1
OCT 24	
BCN IP C	14 05 43.2
IS	05 55.0
OCT 24	
ALQ IP	14 56 48.7
OCT 24	
EUR EP	15 07 21.2

Date and Station	Phase (GCT)
	h m s
OCT 24	
COL EP	15 15 31.7
E(S)	15 57.4
OCT 24	
EUR EP	15 55 03.0
OCT 24	
GCA EP	18 15 22.5
OCT 24	
TUC EP	18 27 25.3
OCT 24	
H-18 38 25.7	
66.0N 145.5E	
h ABOUT 033KM	
COL EP	18 44 03.0
BOZ E(P)	18 47 48.7
EUR IP	18 48 17.3
BCN E(P)	18 48 39.0
OCT 24	
GCA E(P)	18 54 56.7
OCT 24	
GCA EP	19 22 30.6
OCT 24	
TUC EP	19 30 08.0
EL	30 20.8
OCT 24	
ALQ E(P)	21 16 12.0
HHM IP	21 16 51.2
OCT 24	
GCA EP	21 56 09.2
OCT 24	
EUR EP	22 00 23.8
SLC EP	22 00 43.2
OCT 24	
H-22 04 57.5	
-4.5S 152.9E	
h ABOUT 049KM	
COL IP	22 17 11.3
OCT 24	
EUR EP	22 41 25.2
OCT 24	
EUR IP	22 47 26.4
OCT 24	
HHM EP	22 51 43.5
E	52 12.3
OCT 24	
SLC E(P)	23 02 39.3
OCT 24	
SLC E(P)	23 09 45.8
OCT 25	
HHM E(P)	00 50 32.7

Date and Station	Phase (GCT)
	h m s
OCT 25	
H-02 09 28.9	
34.0N 136.6E	
h ABOUT 393KM	
COL E(P)	02 18 13.8
EUR IP	02 21 01.7
OCT 25	
TUC E(P)	02 09 53.6
E	10 14.2
OCT 25	
EUR EP	03 27 57.0
OCT 25	
H-03 43 20.0	
05.0N 082.5W	
h ABOUT 033KM	
BHP IP	03 44 33.0
IS	45 32.0
SJG EP D	03 48 00.5
ES	52 00.0
SJP IP	03 48 02.0
ALQ IP	03 50 30.8
TUC EP C	03 50 36.6
GCA IP	03 51 07.3
RCD IP	03 51 14.0
E	51 28.0
BCN EP	03 51 19.0
EUR IP	03 51 40.7
BOZ EP	03 51 56.0
COL EP	03 55 01.0
OCT 25	
H-06 25 48.6	
02.0S 077.2W	
h ABOUT 160KM	
BHP IP	06 28 24.0
IS	30 28.0
SJG IP	06 30 37.0
ES	34 36.0
SJP IP	06 30 39.2
CSC EP	06 32 35.5
ALQ IP	06 33 57.2
I(SCP)	39 09.8
TUC EP	06 34 02.5
E>P	34 38.6
E(SCP)	39 12.5
E	40 42.1
GCA E(P)	06 34 29.0
I	34 32.6
RCD IP	06 34 35.0
E(>P)	35 17.6

Date and Station	Phase	(GCT)
		h m s
BCN	EP	06 34 42.0
	E*P	35 17.5
	E(SCP)	39 35.0
SLC	IP	06 34 51.4
EUR	IP	06 35 01.6
	ISCP	39 46.4
BOZ	IP C	06 35 14.5
	E*P	35 52.5
BUT	E(P)	06 35 16.1
COL	IP	06 38 00.8
	EPP	41 10.0
	E	42 13.8
OCT 25		
HHM	EP	06 47 23.5
OCT 25		
COL	EP	07 02 37.5
EUR	IP	07 03 14.0
OCT 25		
H-07 59 58.8		
73.5N 053.7E		
h ABOUT 000KM		
COL	IP	08 07 46.2
BOZ	IP C	08 10 14.0
EUR	IP	08 10 55.9
GCA	IP	08 11 10.0
BCN	EP	08 11 18.5
ALQ	I(P)	08 11 20.3
TUC	EP	08 11 38.2
OCT 25		
EUR	EP	08 35 57.1
OCT 25		
HHM	IP	08 59 28.0
OCT 25		
H-10 01 48.0		
15.3S 173.3W		
h ABOUT 033KM		
BCN	EP	10 13 29.5
EUR	EP	10 13 35.3
TUC	EP	10 13 35.6
GCA	EP	10 13 46.3
SLC	E(P)	10 13 54.8
ALQ	IP	10 14 00.5
COL	IP	10 14 07.0
BOZ	EP	10 14 07.6
OCT 25		
EUR	IP	11 40 19.8

Date and Station	Phase	(GCT)
		h m s
OCT 25		
H-12 08 46.9		
21.7S 179.2W		
h ABOUT 534KM		
HON	IP	12 16 36.1
KIP	IP	12 16 36.5
GUA	IP	12 16 51.0
BCN	EP	12 20 21.0
EUR	IP	12 20 25.4
TUC	IP	12 20 26.1
	E	22 41.7
	E(S)	30 11.0
GCA	IP	12 20 34.5
ALQ	IP	12 20 45.7
COL	IP	12 20 45.8
BOZ	EP D	12 20 53.3
	EPP	24 38.0
OCT 25		
EUR	IP	13 03 26.6
OCT 25		
COL	IP	14 20 57.3
OCT 25		
COL	IP	15 52 11.5
OCT 25		
COL	EP	15 59 01.2
OCT 25		
HHM	E(P)	18 47 26.8
OCT 25		
BOZ	E(P)	19 25 07.3
OCT 25		
TUC	E(P)	20 17 26.8
OCT 25		
EUR	EP	20 51 08.7
OCT 25		
SLC	EP	20 59 04.2
EUR	EP	20 59 51.1
OCT 25		
TUC	E(P)	21 47 00.4
OCT 25		
TUC	E(P)	21 58 31.0
	E	58 39.5
BCN	E(P)	21 59 13.5
	EL	22 00 37.5
EUR	EP	21 59 13.6
COL	E(P)	22 04 21.2
OCT 25		
SLC	EP	22 20 52.4

Date and Station	Phase	(GCT)
		h m s
OCT 25		
SJG	E(P)	22 30 13.0
	EL	31 05.0
OCT 25		
H-22 56 08.1		
38.7N 070.8E		
h ABOUT 033KM		
COL	IP	23 07 32.0
OCT 25		
H-22 56 32.8		
02.0S 079.0W		
h ABOUT 057KM		
BHP	IP	22 59 10.0
SJG	IP C	23 01 41.0
	I	01 48.9
	ES	06 05.0
SJP	IP	23 01 42.5
CSC	E(P)	23 03 27.0
ALQ	IP	23 04 45.0
TUC	EP	23 04 49.1
GCA	EP	23 05 19.0
RCD	IP	23 05 27.0
	E	05 36.0
BCN	EP	23 05 29.2
SLC	EP	23 05 39.7
EUR	EP	23 05 49.7
BOZ	IP C	23 06 04.7
	E	06 12.5
	E	09 34.0
BUT	EP	23 06 09.7
COL	EP	23 08 53.0
OCT 25		
BOZ	IP	23 16 32.2
	I(L)	16 42.5
BUT	EP	23 16 42.7
	EL	17 01.6
OCT 25		
COL	E(P)	23 46 31.6
OCT 26		
H-00 55 22.3		
08.9N 083.9W		
h ABOUT 033KM		
BHP	IP	00 56 28.0
	IL	59 00.0
SJG	EP	00 59 51.2
	I	59 59.3
ALQ	EP	01 01 58.7
TUC	EP	01 02 06.6

Date and Station	Phase	(GCT)
		h m s
GCA	IP	01 02 37.5
BCN	EP	01 02 49.5
EUR	IP	01 03 11.8
BOZ	EP	01 03 24.0
COL	EP	01 06 42.0
OCT 26		
COL	E(P)	01 25 42.4
OCT 26		
H-01 29 21.1		
32.9N 049.2E		
h ABOUT 033KM		
COL	E	01 41 37.3
OCT 26		
HHM	IP	03 52 20.4
OCT 26		
COL	E(P)	04 31 56.7
OCT 26		
COL	EP	05 13 15.3
OCT 26		
RCD	E(P)	06 09 19.0
OCT 26		
HHM	IP	06 35 36.4
OCT 26		
EUR	IP	07 03 29.2
OCT 26		
COL	EP	07 16 53.0
OCT 26		
TUC	E(P)	07 45 31.2
	E	47 05.1
ALQ	E(P)	07 46 33.0
OCT 26		
COL	EP	07 47 24.8
OCT 26		
HHM	EP	08 09 55.5
OCT 26		
COL	EP	08 38 22.5
	E(S)	38 57.0
OCT 26		
COL	EP	10 02 54.5
	E(S)	03 46.9
OCT 26		
EUR	EP	10 30 14.7
COL	EP	10 34 56.0
OCT 26		
TUC	E(P)	11 20 51.2
OCT 26		
COL	EP	11 32 02.0
OCT 26		
HHM	IP	12 20 52.0

Date and Station	Phase (GCT)
	h m s
OCT 26	
COL EP	12 56 27.3
OCT 26	
H-14 22 57.8	
2.2N 126.8E	
h ABOUT 048KM	
GUA E(P)	14 27 41.0
E(S)	31 13.0
BOZ EP	14 37 21.5
E(*P)	38 37.0
EPP	41 24.0
EUR EP	14 37 24.8
OCT 26	
H-14 32 49.3	
56.8N 152.3W	
h ABOUT 033KM	
COL EP	14 34 51.0
EUR IP	14 38 50.8
TUC EP	14 40 03.0
E(PCP)	41 39.5
ALQ E(P)	14 40 04.1
I(PCP)	41 44.0
SJG E(P)	14 44 19.2
OCT 26	
EUR EP	14 52 32.3
OCT 26	
KIP ET	15 16 39.0
OCT 26	
H-15 16 47.7	
42.9N 094.4E	
h ABOUT 033KM	
COL IP	15 27 06.5
OCT 26	
COL E(P)	16 00 01.1
SLC E(P)	16 04 14.0
OCT 26	
COL EP	16 12 55.2
OCT 26	
TUC EP	16 26 01.0
E	26 04.0
OCT 26	
BCN EP	16 27 38.0
OCT 26	
ALQ E(P)	16 52 09.2
OCT 26	
TUC EP	17 00 33.7
OCT 26	
H-17 08 46.9	
31.7N 113.6W	
h ABOUT 033KM	

Date and Station	Phase (GCT)
	h m s
TUC EP	17 09 26.2
E	09 41.8
E(L)	10 19.0
BCN E(P)	17 09 55.0
E(S)	10 37.0
EL	11 21.0
GCA EP	17 10 08.8
ALQ E(P)	17 10 37.0
I	11 08.3
EUR EP	17 10 44.4
OCT 26	
TUC E(P)	17 13 33.0
BCN E(P)	17 14 03.8
E	14 45.5
EL	15 34.0
OCT 26	
TUC E(P)	17 21 22.3
E	21 34.0
E(L)	22 17.0
BCN E(P)	17 22 00.4
E	22 39.5
EL	23 15.0
OCT 26	
ALQ E(P)	17 22 37.8
I	24 44.4
OCT 26	
EUR EP	17 25 00.2
OCT 26	
TUC E(P)	17 45 27.5
OCT 26	
SLC EP	18 46 11.1
EUR EP	18 46 54.3
OCT 26	
SJG EP	19 05 21.4
ES	06 31.5
OCT 26	
EUR EP	19 59 02.4
OCT 26	
GUA EP	20 09 02.0
OCT 26	
H-20 07 42.9	
24.0N 123.4E	
h ABOUT 033KM	
COL IP	20 18 41.0
OCT 26	
GUA E(P)	20 35 57.2
OCT 26	
COL EP	20 58 53.0
OCT 26	
TUC E(P)	21 22 43.6
E	22 49.9

Date and Station	Phase (GCT)
	h m s
OCT 26	
H-21 29 26.0	
37.1N 141.9E	
h ABOUT 055KM	
COL E(P)	21 38 07.7
ALQ E(P)	21 41 54.7
OCT 26	
TUC E(P)	21 51 22.8
E	51 39.3
OCT 26	
GUA IP	21 53 37.0
OCT 26	
COL EP	22 13 26.0
OCT 26	
TUC E(P)	22 27 41.8
E(S)	28 05.3
EUR EP	22 28 50.6
OCT 26	
EUR EP	22 40 03.9
OCT 26	
TUC E(P)	22 59 34.4
OCT 26	
SLC E(P)	23 05 26.2
HHM IP	23 06 26.6
OCT 26	
HHM E(P)	23 17 24.5
E	17 28.3
IS	18 18.3
OCT 26	
GUA IP	23 51 33.5
IS	51 40.2
COL EP	23 56 00.0
OCT 27	
H-00 32 22.0	
40.2N 121.9W	
h ABOUT 010KM	
UKI E(P)	00 32 49.0
EUR IP	00 33 32.7
OCT 27	
TUC E(P)	00 41 10.9
E	41 49.8
OCT 27	
HHM E(P)	01 15 27.3
OCT 27	
COL EP	01 37 42.0
HHM IP	01 39 21.9
OCT 27	
HHM E(P)	01 50 52.0

Date and Station	Phase (GCT)
	h m s
OCT 27	
H-01 52 21.7	
28.4N 128.8E	
h ABOUT 033KM	
COL E(P)	02 02 39.5
OCT 27	
COL EP	02 15 53.0
OCT 27	
H-02 40 20.9	
18.9N 120.9E	
h ABOUT 056KM	
COL EP	02 51 48.0
OCT 27	
EUR EP	02 47 00.3
I	48 13.8
OCT 27	
TUC E(P)	03 18 40.1
OCT 27	
COL EP	03 40 44.0
OCT 27	
COL EP	04 05 41.0
OCT 27	
GUA E(P)	04 23 59.0
OCT 27	
HHM E(P)	04 29 55.9
COL E	04 32 03.7
OCT 27	
HHM EP	05 17 56.7
OCT 27	
H-06 12 48.8	
20.8S 071.4W	
h ABOUT 008KM	
EUR EP	06 24 21.4
OCT 27	
EUR EP	06 29 11.0
COL EP	06 35 18.0
OCT 27	
COL E(P)	08 00 54.0
OCT 27	
COL E	08 58 11.2
OCT 27	
COL EP	09 10 25.0
TUC E(P)	09 15 08.8
OCT 27	
SJG IP C	11 33 08.0
IS	33 18.0
OCT 27	
H-12 44 27.3	
57.7N 152.1W	
h ABOUT 033KM	
COL EP	12 46 18.0

Date and Station	Phase	(GCT) h m s
OCT 27		
HHM	EP	14 38 07.3
OCT 27		
COL	EP	15 14 07.0
OCT 27		
HHM	EP	15 29 24.9
COL	EP	15 31 09.0
OCT 27		
HHM	IP	15 45 40.8
OCT 27		
HHM	IP	15 56 11.7
OCT 27		
HHM	EP	16 37 25.3
OCT 27		
COL	EP	17 02 50.0
OCT 27		
TUC	E(P)	18 08 55.2
OCT 27		
SLC	EP	18 15 55.6
	ES	16 22.7
EUR	EP	18 16 31.2
OCT 27		
HHM	EP	18 35 15.6
OCT 27		
HHM	IP	18 44 04.7
	IS	44 31.4
OCT 27		
H-19 03 14.9		
59.6N 144.4W		
h ABOUT 033KM		
COL	IP	19 04 37.0
BOZ	E(P)	19 08 27.6
OCT 27		
H-19 46 12.0		
47.8N 016.1E		
h ABOUT 039KM		
ALQ	E(P)	19 58 35.8
OCT 27		
H-20 00 34.9		
27.6S 176.8W		
h ABOUT 168KM		
EUR	EP	20 13 05.4
ALQ	EP	20 13 21.2
BOZ	EP	20 13 34.0
OCT 27		
GUA	E(P)	20 09 00.0
OCT 27		
TUC	EP	20 12 41.4
OCT 27		
HHM	EP	20 20 50.0
OCT 27		
H-21 24 31.2		
45.6S 096.1E		
h ABOUT 033KM		
SJG	EP'	21 44 17.0
TUC	EP'	21 44 19.0
	I	44 24.5
	EPP	48 18.3
BCN	EP'	21 44 25.0
EUR	IP'	21 44 25.2
GCA	EP'	21 44 27.5
BOZ	EP'	21 44 30.0
TUC	EP'	21 44 30.0
ALQ	EP'	21 44 30.2
RCD	EP'	21 44 35.0
FGU	E(P')	21 44 49.4
	I	45 08.0
HON	E	21 53 58.0
	E	22 00 40.0
	EL	18 20.0
KIP	E	21 54 00.0
	E	22 00 40.0
	EL	18 45.0
OCT 27		
SLC	E(P)	21 44 08.6
OCT 27		
GUA	IP	21 53 37.1
	ES	53 45.0
OCT 27		
EUR	IP	22 23 35.3
OCT 27		
TUC	E(P)	22 25 51.4
	E	25 54.0
OCT 27		
H-22 36 17.9		
58.5S 066.2W		
h ABOUT 033KM		
SJG	EP'	22 48 07.0
	E	48 10.5
ALQ	E(P)	22 50 01.0
COL	EP'	22 55 37.0
OCT 27		
SLC	EP	22 40 54.4
	IL	41 21.6
EUR	EP	22 41 46.6
COL	EP	22 46 54.0
OCT 27		
BCN	EP	22 54 56.5
	EL	55 29.0
TUC	E(P)	22 55 19.2
OCT 27		
TUC	E(P)	23 03 47.5
OCT 27		
ALQ	E(P)	23 06 51.2
OCT 27		
HHM	IP	23 10 27.3
OCT 27		
EUR	IP	23 24 10.1
OCT 27		
GUA	IP	23 25 21.0
	ES	25 39.9
OCT 27		
HHM	E(P)	23 54 16.6
	E	54 24.4
	IS	55 21.9
OCT 28		
H-00 22 07.3		
29.6S 070.7W		
h ABOUT 045KM		
SJG	EP	00 30 42.0
	E(pP)	30 56.8
TUC	EP	00 33 29.9
	EpP	33 46.2
ALQ	IP	00 33 31.3
	IpP	33 47.9
GCA	IP	00 33 55.5
EUR	IP	00 34 17.1
BOZ	EP	00 34 31.7
OCT 28		
EUR	EP	00 26 22.1
OCT 28		
COL	E(P)	00 31 37.2
OCT 28		
COL	EP	00 50 05.0
OCT 28		
TUC	E(P)	01 25 45.8
OCT 28		
UKI	E(P)	01 30 14.6
OCT 28		
H-01 34 54.5		
17.7N 094.2W		
h ABOUT 159KM		
ALQ	IP	01 39 20.5
TUC	EP	01 39 26.8
	E(pP)	39 52.5
GCA	E(P)	01 40 03.5
EUR	EP	01 40 40.3
BOZ	E(P)	01 41 03.0
OCT 28		
BCN	EP	01 40 43.0
	E	40 56.0
OCT 28		
COL	EP	01 45 13.0
OCT 28		
COL	E(P)	01 46 13.5
OCT 28		
H-02 33 08.9		
51.1N 157.8E		
h ABOUT 031KM		
COL	EP	02 39 23.0
BOZ	EP	02 42 51.3
EUR	IP	02 43 04.6
TUC	E(P)	02 43 57.0
OCT 28		
H-03 07 07.3		
13.4S 072.6W		
h ABOUT 053KM		
BOZ	EP	03 18 07.0
OCT 28		
COL	E	04 33 38.8
OCT 28		
H-05 48 45.4		
16.6S 177.2W		
h ABOUT 033KM		
BCN	EP	06 00 48.0
EUR	IP	06 00 53.0
TUC	EP	06 00 54.0
	E	01 08.5
COL	EP	06 01 15.0
ALQ	EP	06 01 16.5
OCT 28		
COL	EP	06 07 35.5
OCT 28		
ALQ	E(P)	06 18 48.3
OCT 28		
BOZ	E(P)	06 41 51.1
	E(L)	42 25.0
EUR	EP	06 43 20.3
	I	43 51.5
OCT 28		
BOZ	EP	06 43 10.2
	E(L)	43 42.5
BUT	EP	06 43 12.5
BZM	E(P)	06 43 21.5
OCT 28		
BCN	EP	06 46 45.5

Date and Station	Phase (GCT)
	h m s
OCT 28	
COL IP	07 36 23.0
OCT 28	
H-08 17 20.5	
60.8N 146.9W	
h ABOUT 033KM	
COL IP	08 18 22.7
ALQ E(P)	08 24 25.0
TUC E(P)	08 24 28.3
OCT 28	
H-09 26 02.0	
6.1S 149.3E	
h ABOUT 060KM	
COL E(P)	09 38 28.6
OCT 28	
GUA EP	09 42 29.4
OCT 28	
GUA IP	10 13 25.9
ES	13 37.1
OCT 28	
SJG EP	13 04 16.6
IS	04 41.3
OCT 28	
BOZ E(P)	14 25 51.6
EUR EP	14 26 32.2
COL IP	14 29 35.1
OCT 28	
COL EP	14 56 07.0
OCT 28	
COL EP	14 58 24.0
OCT 28	
COL E	15 20 10.0
OCT 28	
EUR EP	15 41 12.3
OCT 28	
EUR IP	16 48 48.1
OCT 28	
H-18 24 56.6	
6.8S 155.1E	
h ABOUT 085KM	
COL IP	18 37 11.3
EUR IP	18 38 05.0
OCT 28	
H-18 56 40.5	
44.3N 149.3E	
h ABOUT 019KM	
COL EP	19 04 14.0
HHM I(P)	19 06 59.4
BOZ EP	19 07 23.7

Date and Station	Phase (GCT)
	h m s
OCT 28	
H-19 35 15.8	
36.1N 071.3E	
h ABOUT 130KM	
COL EP	19 46 42.6
OCT 28	
HHM E(P)	19 57 58.2
OCT 28	
TUC EP	20 11 55.7
EL	12 15.8
OCT 28	
TUC E(P)	20 44 33.0
E	44 37.0
OCT 28	
TUC E(P)	21 40 46.4
E(L)	41 03.9
HHM E(P)	21 44 30.2
OCT 28	
TUC EP	21 45 54.4
E(L)	46 16.4
OCT 28	
ALQ E(P)	21 47 30.0
COL IP	21 47 36.4
OCT 28	
TUC E(P)	21 50 56.8
E(L)	51 18.1
OCT 28	
TUC E(P)	21 59 49.2
E(L)	59 54.4
OCT 28	
HHM E(P)	22 07 07.2
E(L)	07 29.2
OCT 28	
EUR IP	22 12 54.3
OCT 28	
SLC EP	22 14 39.6
IL	15 07.1
OCT 28	
TUC E(P)	22 22 47.7
E(L)	23 11.8
OCT 28	
GCA E(P)	22 24 42.0
OCT 28	
EUR IP	22 30 35.5
TUC E(P)	22 32 07.0
OCT 28	
TUC E(P)	22 33 14.3
OCT 28	
TUC E(P)	23 06 41.9
OCT 28	
TUC E(P)	23 08 04.0
SLC E(P)	23 08 41.1

Date and Station	Phase (GCT)
	h m s
OCT 28	
SLC EP	23 10 44.5
EL	11 13.7
OCT 29	
BOZ EP	00 52 40.0
OCT 29	
H-01 14 51.0	
52.7N 168.7W	
h ABOUT 033KM	
COL EP	01 18 37.0
BOZ E(P)	01 22 00.2
EUR EP	01 22 08.7
ALQ E(P)	01 23 21.5
OCT 29	
SJG EP	02 28 47.0
IS	29 07.2
OCT 29	
COL IP	02 42 41.3
OCT 29	
TUC E(P)	03 16 09.5
OCT 29	
EUR EP	03 58 39.8
OCT 29	
COL E(P)	05 43 51.1
OCT 29	
HHM E(P)	06 43 22.5
IS	44 44.2
EUR IP	06 43 26.7
OCT 29	
H-06 51 46.0	
13.4S 166.6E	
h ABOUT 043KM	
COL EP	07 04 17.0
EUR EP	07 04 38.4
OCT 29	
EUR EP	07 53 15.3
OCT 29	
HHM E(P)	08 22 20.2
OCT 29	
ALQ E(P)	08 55 34.5
OCT 29	
EUR EP	09 32 33.8
OCT 29	
COL EP	11 25 27.0
OCT 29	
H-12 21 52.9	
13.2N 088.5W	
h ABOUT 033KM	
TUC E(P)	12 27 38.0

Date and Station	Phase (GCT)
	h m s
OCT 29	
H-13 30 44.0	
26.3N 096.7E	
h ABOUT 170KM	
COL EP	13 42 16.0
OCT 29	
H-13 40 36.3	
41.3N 029.5W	
h ABOUT 033KM	
BOZ EP	13 50 22.5
ALQ E(P)	13 50 36.2
EUR IP	13 51 03.4
TUC E(P)	13 51 07.1
OCT 29	
HHM E(P)	14 27 04.5
OCT 29	
SJG EP	14 40 59.5
EL	41 24.0
OCT 29	
SJG E(P)	15 56 00.2
EL	57 08.5
OCT 29	
SJG E(P)	17 00 49.3
EL	02 00.2
OCT 29	
SLC EP	17 20 15.6
OCT 29	
COL IP	17 58 35.3
OCT 29	
EUR IP	18 37 32.3
OCT 29	
H-19 05 42.9	
22.8S 065.6W	
h ABOUT 127KM	
ALQ EP	19 16 38.5
TUC E(P)	19 16 40.6
OCT 29	
TUC E(P)	20 06 58.5
OCT 29	
TUC E(P)	20 23 25.8
OCT 29	
CSC EP	20 56 38.0
OCT 29	
SJG E(P)	21 02 56.0
OCT 29	
COL EP	21 12 20.0
OCT 29	
EUR EP	21 19 23.7
I	20 50.9

Date and Station	Phase (GCT)
	h m s
TUC E(P)	21 19 46.0
E	19 57.3
E	20 11.6
E	20 50.2
OCT 29	
EUR IP	21 27 53.9
OCT 29	
TUC E(P)	21 33 00.3
E	33 18.0
OCT 29	
TUC E(P)	21 47 43.9
E	48 04.8
OCT 29	
TUC E(P)	2. 52 08.2
OCT 29	
SLC EP	21 58 43.1
OCT 29	
TUC E(P)	22 03 46.9
OCT 29	
EUR IP	22 23 54.2
OCT 29	
COL EP	22 30 40.0
OCT 29	
TUC E(P)	22 55 40.6
OCT 29	
TUC E(P)	23 00 22.3
OCT 29	
H-23 07 41.0	
6.9S 143.6E	
h ABOUT 033KM	
COL EP	23 20 24.0
OCT 30	
H-00 22 48.8	
38.9S 074.1W	
h ABOUT 033KM	
TUC EP	00 34 48.2
ALQ IP	00 34 52.9
EUR IP	00 35 32.3
OCT 30	
COL EP	02 00 53.0
OCT 30	
H-02 10 37.6	
35.0S 107.3W	
h ABOUT 033KM	
SJG EP	02 21 19.0
ES	30 10.0
TUC EP	02 21 30.7
ALQ EP	02 21 47.3
BCN E(P)	02 21 55.0
BOZ EP	02 22 46.8

Date and Station	Phase (GCT)
	h m s
HON E	02 32 22.0
E	36 38.0
EL	44 32.0
KIP E	02 32 26.0
EL	44 48.0
OCT 30	
SJG E(P)	02 19 07.0
E	19 27.0
EL	21 23.0
OCT 30	
H-02 53 40.8	
12.1S 065.7E	
h ABOUT 028KM	
BOZ EP'	03 13 21.7
EUR EP'	03 13 36.3
ALQ EP'	03 13 39.3
OCT 30	
COL EP	02 55 09.0
EUR EP	02 56 30.2
OCT 30	
ALQ E(P)	03 01 14.7
OCT 30	
BUT E(P)	03 12 45.9
E	13 22.6
OCT 30	
SJG E(P)	03 16 02.0
OCT 30	
EUR EP	03 53 05.1
OCT 30	
COL E(P)	04 04 15.3
OCT 30	
EUR IP	04 56 06.9
BCN E(P)	04 56 15.0
ALQ E(P)	04 56 17.6
OCT 30	
BHP IP	05 44 43.0
IS	45 52.0
ALQ I(P)	05 51 19.0
OCT 30	
TUC E(P)	06 22 00.2
E	22 18.5
BCN E(P)	06 22 08.5
E	22 29.0
EL	23 29.5
OCT 30	
COL EP	06 28 16.0
OCT 30	
BOZ E(P)	06 32 07.1
EUR EP	06 32 24.6

Date and Station	Phase (GCT)
	h m s
OCT 30	
COL EP	06 42 53.0
OCT 30	
EUR IP	10 25 35.3
OCT 30	
COL EP	10 57 09.0
OCT 30	
COL E	11 05 28.0
OCT 30	
EUR IP	11 18 49.4
OCT 30	
TUC E(P)	11 30 18.3
OCT 30	
COL EP	12 00 25.0
OCT 30	
TUC E(P)	12 19 01.5
E	19 08.3
OCT 30	
BCN E(P)	12 20 59.2
OCT 30	
EUR IP	13 55 39.9
OCT 30	
EUR EP	14 14 26.7
OCT 30	
BCN IP	14 44 49.4
OCT 30	
BCN E(P)	16 00 43.5
OCT 30	
EUR EP	16 10 45.1
OCT 30	
H-16 47 52.7	
06.8N 073.0W	
h ABOUT 146KM	
BHP IP	16 49 30.0
IS	50 44.0
SJG EP	16 50 53.0
ES	53 07.5
ALQ IP	16 55 28.8
TUC EP	16 55 42.5
BCN EP	16 56 19.5
EUR IP	16 56 37.9
BOZ EP	16 56 41.7
COL EP	16 59 33.0
OCT 30	
COL EP	16 50 05.0
OCT 30	
BOZ E(P)	17 09 14.4
E	09 33.0

Date and Station	Phase (GCT)
	h m s
OCT 30	
H-17 13 13.8	
56.6N 152.2W	
h ABOUT 033KM	
COL IP	17 15 17.2
BOZ E(P)	17 19 01.7
EUR IP	17 19 14.9
BCN EP	17 19 43.5
TUC EP	17 20 25.6
ALQ E(P)	17 20 27.3
OCT 30	
COL IP	17 22 06.5
OCT 30	
EUR EP	17 45 31.2
BCN E(P)	17 45 46.0
IL	46 31.8
OCT 30	
H-17 50 46.2	
37.7N 118.2W	
h ABOUT 010KM	
EUR IP	17 51 26.1
BCN EP	17 51 38.3
EL	52 25.5
ALQ E(P)	17 53 04.0
BOZ E(P)	17 53 04.2
OCT 30	
SLC E(P)	17 53 47.6
TUC E(P)	17 55 00.2
OCT 30	
KIP ET	17 56 40.0
OCT 30	
EUR EP	17 58 38.3
BCN E(P)	17 58 53.5
EL	59 38.5
OCT 30	
H-18 18 06.7	
37.6N 118.5W	
h ABOUT 020KM	
EUR EP	18 18 49.0
BCN E(P)	18 19 03.5
EL	19 47.0
OCT 30	
EUR EP	18 28 23.0
BCN E(P)	18 28 33.5
EL	29 19.0
OCT 30	
SLC EP	18 47 20.1

Date and Station	Phase (GCT)
	h m s
OCT 30	
H-19 01 44.3	
37.8N 118.2W	
h ABOUT 010KM	
EUR EP	19 02 25.1
BCN E(P)	19 02 37.2
EL	03 22.2
ALQ E(P)	19 04 12.0
OCT 30	
H-19 03 12.0	
37.7N 118.1W	
h ABOUT 010KM	
BCN E(P)	19 04 01.0
EL	04 48.0
SLC E(P)	19 04 57.8
TUC E(P)	19 05 10.3
EL	07 20.0
BOZ EP	19 05 31.3
OCT 30	
EUR EP	19 13 50.0
I	15 01.2
OCT 30	
BCN E(P)	19 15 11.0
EL	15 52.0
OCT 30	
EUR EP	19 20 23.4
BCN E(P)	19 20 34.0
EL	21 20.5
OCT 30	
H-19 40 30.2	
38.0N 117.7W	
h ABOUT 020KM	
EUR EP	19 41 05.4
BCN E(P)	19 41 18.4
EL	42 04.9
OCT 30	
ALQ E(P)	20 01 57.0
HHM IP	20 02 40.7
OCT 30	
H-20 04 41.1	
59.2N 152.6W	
h ABOUT 033KM	
COL IP	20 06 12.7
OCT 30	
EUR EP	21 11 07.2
OCT 30	
H-21 27 04.3	
45.1N 148.5E	
h ABOUT 021KM	
COL E(P)	21 34 34.2
EUR EP	21 37 56.6

Date and Station	Phase (GCT)
	h m s
OCT 30	
EUR IP	22 26 22.8
OCT 30	
BCN E(P)	22 39 17.8
EL	39 54.0
OCT 30	
TUC E(P)	22 58 39.0
OCT 30	
H-23 02 59.3	
37.7N 118.0W	
h ABOUT 010KM	
EUR IP	23 03 38.6
BCN EP	23 03 50.5
IL	04 37.0
OCT 30	
TUC E(P)	23 07 06.6
OCT 30	
EUR IP	23 43 06.7
OCT 31	
EUR EP	00 00 07.4
OCT 31	
GUA IP	00 15 33.5
EL	15 45.0
OCT 31	
EUR EP	00 30 27.7
BCN E(P)	00 30 31.5
OCT 31	
EUR EP	01 50 15.4
OCT 31	
HHM EP	02 23 07.3
OCT 31	
H-02 39 38.3	
31.6N 141.6E	
h ABOUT 041KM	
COL E(P)	02 49 00.0
BOZ EP	02 51 36.6
OCT 31	
COL I(P)	03 38 36.0
OCT 31	
EUR EP	04 12 39.3
OCT 31	
TUC EP	04 28 04.5
ALQ I(P)	04 28 25.3
OCT 31	
EUR EP	05 02 32.7
OCT 31	
COL I(P)	06 15 18.2
OCT 31	
EUR EP	08 22 59.6

Date and Station	Phase (GCT)
	h m s
OCT 31	
H-08 50 14.0	
14.4S 173.0W	
h ABOUT 235KM	
EUR E(P)	09 01 31.3
TUC E(P)	09 01 35.5
ALQ I(P)	09 01 59.4
BOZ EP	09 02 06.3
OCT 31	
TUC E(P)	09 23 35.1
E	23 43.0
E	23 48.0
BCN E(P)	09 24 05.0
EL	25 21.0
EUR EP	09 24 50.9
ALQ E(P)	09 24 48.0
OCT 31	
EUR EP	09 59 13.9
OCT 31	
TUC E(P)	10 09 49.0
E	10 47.2
E	11 22.4
EUR EP	10 10 25.0
I	11 00.0
OCT 31	
SJG EP	10 24 30.6
EL	24 48.5
OCT 31	
COL EP	11 04 44.0
OCT 31	
EUR EP	11 55 20.9
I	55 54.5
OCT 31	
H-11 57 28.6	
37.8N 117.8W	
h ABOUT 010KM	
EUR EP	11 58 04.3
BCN E(P)	11 58 19.0
IL	58 59.4
OCT 31	
ALQ E(P)	12 00 27.0
OCT 31	
H-12 13 27.5	
38.2S 074.1W	
h ABOUT 039KM	
ALQ E(P)	12 25 27.3
OCT 31	
H-13 36 44.0	
55.4N 160.4E	
h ABOUT 033KM	
COL EP	13 42 21.2

Date and Station	Phase (GCT)
	h m s
EUR EP	13 46 17.1
OCT 31	
COL EP	15 18 13.2
E	18 32.2
OCT 31	
COL E	15 33 22.0
OCT 31	
COL EP	16 02 13.1
OCT 31	
HHM EP	16 57 03.7
OCT 31	
H-17 04 58.6	
37.1N 116.0W	
h ABOUT 000KM	
BCN IP C	17 05 26.0
IL	05 49.4
EUR IP	17 05 38.7
GCA EP	17 05 56.3
I	05 57.3
I	06 02.3
SLC EP	17 06 17.1
I	06 34.1
TUC EP	17 06 35.8
E	06 59.6
EL	08 24.4
ALQ IP	17 06 58.0
I	07 28.4
BOZ E(P)	17 07 18.6
OCT 31	
HHM EP	17 18 30.9
BCN E(P)	17 20 25.5
OCT 31	
BHP IP	17 42 04.0
IS	42 55.0
OCT 31	
UKI EP	17 53 38.0
OCT 31	
EUR EP	17 56 15.5
OCT 31	
ALQ E(P)	18 19 30.0
OCT 31	
BCN EP	18 41 52.0
EL	42 18.5
EUR IP	18 42 07.4
GCA EP	18 42 34.8
I	42 37.5
OCT 31	
ALQ E(P)	18 43 55.2

Date and Station	Phase	(GCT)
		h m s
OCT 31		
H-18 54 28.6		
8.8N 126.6E		
h ABOUT 069KM		
GUA	EP	18 59 02.0
	E	59 29.0
SJG	EP'	19 14 16.2
OCT 31		
GCA	E(P)	19 01 35.2
OCT 31		
UKI	E(P)	19 23 52.5
OCT 31		
UKI	E(P)	19 26 12.5
OCT 31		
H-19 35 24.7		
38.0N 117.8W		
h ABOUT 020KM		
EUR	IP	19 35 59.3
BCN	E(P)	19 36 13.5
	EL	36 56.5
OCT 31		
UKI	E(P)	19 44 43.0
OCT 31		
HHM	EP	20 10 01.7
OCT 31		
COL	E(P)	20 27 25.2
OCT 31		
COL	EP	20 41 21.0
OCT 31		
TUC	E(P)	21 24 19.1
OCT 31		
EUR	EP	21 38 03.1
BCN	EP	21 38 16.5
	EL	38 55.5
OCT 31		
TUC	EP	21 56 29.7
	EL	56 48.1
OCT 31		
SLC	E(P)	22 00 09.8
	E	00 13.0
	I	00 15.0
EUR	EP	22 01 01.9
OCT 31		
EUR	IP	22 17 45.8
OCT 31		
EUR	IP	22 29 05.2
OCT 31		
COL	EP	22 41 10.0
OCT 31		
SLC	E(P)	23 11 26.8
	E	11 50.5
OCT 31		
COL	EP	23 35 44.0
OCT 31		
EUR	EP	23 47 00.2
BCN	E(P)	23 47 12.7
	EL	47 58.0