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SEISMOLOGICAL BULLETIN

May, 1966

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LIST OF SEISMOGRAPH STATIONS

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

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

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

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

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

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

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

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

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
1	01 09 57.1	10.2 S	161.2 E	71	5.2	SOLOMON ISLANDS.
1	06 18 56*	22.7 S	68.8 W	111	4.0	NORTHERN CHILE.
1	07 02 00*	23.8 S	176.9 W	114	4.3	SOUTH OF FIJI ISLANDS.
1	08 04 26*	6.9 S	77.0 W	48	4.5	NORTHERN PERU.
1	10 11 21*	19.0 N	147.2 E	33	4.7	MARIANA ISLANDS REGION.
1	10 50 53.3	4.5 S	153.5 E	103	5.4	NEW IRELAND REGION.
1	11 38 23.7	39.0 N	111.6 W	5	3.9	UTAH.
1	12 06 57*	2.5 N	128.9 E	93	5.1	HALMAHERA.
1	12 57 12.4	3.5 S	143.0 E	28	5.0	NEAR NORTH COAST OF NEW GUINEA.
1	13 14 55.3	3.4 S	143.4 E	112	4.3	NEAR NORTH COAST OF NEW GUINEA.
1	16 22 55.5	8.4 S	74.3 W	154	5.8	PERU-BRAZIL BORDER REGION. MAG. 6 3/4 (PAS).
1	18 30 43.1	30.6 N	140.4 E	128	4.9	SOUTH OF HONSHU, JAPAN.
1	22 23 22.1	23.8 N	45.4 W	33	4.5	NORTH ATLANTIC RIDGE.
1	22 28 45.9	9.6 N	83.9 W	71	4.3	COSTA RICA.
1	23 24 15.9	4.3 S	144.3 E	139	4.7	NEAR NORTH COAST OF NEW GUINEA.
2	01 26 55*	17.6 N	61.0 W	33	3.7	LEEWARD ISLANDS.
2	09 52 49.1	6.0 S	149.8 E	56		NEW BRITAIN REGION. MAG. 6 (PAS), 6 (PAL). FELT AT RABAUL.
2	10 34 39.5	41.2 N	141.3 E	130	4.2	HOKKAIDO, JAPAN REGION.
2	10 53 27.9	18.1 S	178.3 W	528	4.7	FIJI ISLANDS REGION.
2	10 55 48.9	8.3 S	74.1 W	160	4.9	PERU-BRAZIL BORDER REGION.
2	11 23 59*	6.2 S	149.9 E	65	4.5	NEW BRITAIN REGION.
2	12 07 54*	22.2 S	179.5 W	532	4.1	SOUTH OF FIJI ISLANDS.
2	13 51 37.8	38.2 N	42.5 E	16		TURKEY.
2	13 55 03.3	38.0 N	42.6 E	52	4.7	TURKEY.
2	16 39 43.6	8.4 S	115.1 E	93	5.5	BALI ISLAND REGION.
2	20 40 42.9	38.2 N	42.7 E	33	4.4	TURKEY.
2	21 17 21*	3.3 S	134.1 E	33	4.5	WEST NEW GUINEA REGION.
2	21 28 51*	17.0 S	69.6 W	179	4.1	PERU-BOLIVIA BORDER REGION.
2	21 34 00*	16.8 S	68.9 W	139	4.3	PERU-BOLIVIA BORDER REGION.
2	23 12 24.1	38.0 N	42.5 E	51	4.8	TURKEY.
2	23 21 25.4	51.8 N	175.3 E	38	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
2	23 39 08*	19.0 N	69.3 W	142	3.7	DOMINICAN REPUBLIC REGION.
3	01 15 58.1	10.5 S	161.6 E	72	5.0	SOLOMON ISLANDS.
3	02 52 09.3	51.5 N	178.6 W	33	4.6	ANDREANOF ISLANDS, ALEUTIAN IS.
3	05 28 11*	31.5 N	113.8 W	33	3.9	GULF OF CALIFORNIA.
3	08 16 55*	31.3 N	114.1 W	33	3.8	GULF OF CALIFORNIA.
3	12 06 55.8	51.6 N	176.7 W	33	4.7	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
3	12 45 30.3	15.9 N	92.9 W	53	4.3	MEXICO-GUATEMALA BORDER REGION.
3	14 36 44*	81.9 N	4.3 W	33	3.9	NORTH OF SVALBARD.
3	18 43 33.7	10.9 N	141.8 E	35	4.4	WEST CAROLINE ISLANDS.
3	19 07 54.9	37.1 S	147.2 E	34	3.7	NEAR S.E. COAST OF AUSTRALIA. FELT IN VICTORIA AND NEW SOUTH WALES.
3	20 34 30.3	38.1 N	42.7 E	67		TURKEY.
3	22 49 54*	51.7 N	176.3 E	29	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
4	00 17 57*	39.5 N	120.3 W	4		NORTHERN CALIFORNIA.
4	00 25 12*	19.1 N	107.8 W	33	3.8	OFF COAST OF JALISCO, MEXICO.
4	01 48 56.4	36.7 N	137.6 E	103	4.1	HONSHU, JAPAN.
4	05 40 38*	36.8 N	107.1 W	5	4.1	NEW MEXICO.
4	06 36 59.2	39.0 N	021.6 E	034	5.0	GREECE. FELT AT PATRAS.
4	07 09 36.9	51.3 N	170.4 W	33	3.9	FOX ISLANDS, ALEUTIAN ISLANDS.
4	07 38 55.1	38.9 N	21.5 E	20	4.2	GREECE. FELT AT PAPPAROUSION.
4	07 46 40.5	15.4 S	174.9 W	233	4.5	TONGA ISLANDS.
4	08 51 32*	61.8 N	27.4 W	33	4.2	ICELAND REGION.
4	10 45 40*	17.1 S	172.8 W	33	4.4	TONGA ISLANDS REGION.
4	13 11 02*	50.9 N	175.1 W	33	4.0	ANDREANOF ISLANDS, ALEUTIAN IS.
4	13 32 17.1					37° 08' 13"N 116° 08' 11.4"W. NEVADA TEST SITE. "TRAVELER" SHOT ELEVATION 1259.1 METERS (AEC).
4	16 53 18*	62.6 S	155.1 E	33		BALLENY ISLANDS REGION.
4	17 03 58*	0.7 S	122.5 E	131	4.9	NORTHERN CELEBES.
4	18 13 55.7	12.5 N	87.7 W	68	5.1	NEAR COAST OF NICARAGUA.
4	19 46 26*	16.3 N	96.5 W	33	3.4	OAXACA, MEXICO.
4	20 19 04.6	16.2 S	173.4 W	113	4.8	TONGA ISLANDS. FELT AT APIA.
4	20 25 36*	53.5 N	168.3 W	43	4.3	FOX ISLANDS, ALEUTIAN ISLANDS.
4	20 38 42.4	53.6 N	167.8 W	47	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
4	21 48 59.1	37.7 N	27.8 E	19	4.7	TURKEY. FELT AT PYTHAGORION, PAGONDAS AND LIMIN-VATHEOS ONSAMOS ISLAND.
5	00 22 29*	53.4 N	168.6 W	33	4.7	FOX ISLANDS, ALEUTIAN ISLANDS.
5	00 23 31*	52.7 N	169.7 W	33	4.6	FOX ISLANDS, ALEUTIAN ISLANDS.
5	02 14 08.0	0.1 N	123.8 E	194	4.7	NORTHERN CELEBES.
5	05 42 49.4	10.1 S	161.1 E	33	4.5	SOLOMON ISLANDS.
5	06 16 43*	51.5 N	176.6 E	33	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
5	06 35 03*	51.2 N	176.0 E	33	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
5	06 35 15.4	4.5 N	126.2 E	88	5.4	TALAUD ISLANDS.
5	06 39 08.9	51.5 N	176.7 E	50	4.9	RAT ISLANDS, ALEUTIAN ISLANDS.
5	07 39 58*	53.4 N	168.0 W	33	4.2	FOX ISLANDS, ALEUTIAN ISLANDS.
5	07 51 16*	53.5 N	168.2 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
	H M S	DEG	DEG	KM		
5	14 00 00.0					37° 03' 02" N 116° 02' 16" W. NEVADA TEST SITE. "CYCLAMEN" SHOT ELEVATION 926.2 METERS (AEC).
5	14 21 23.1	24.4 N	122.5 E	66	5.4	TAIWAN REGION. MAG. 5 3/4-6 (PAS), 6-6 1/4 (PAL). FELT AT TAIPEI.
5	15 16 31.8	61.5 N	27.3 W	33	4.8	ICELAND REGION.
5	15 23 35.6	21.7 S	179.3 W	603	4.4	FIJI ISLANDS REGION.
5	15 25 12.5	61.5 N	27.4 W	33	4.8	ICELAND REGION.
5	15 52 40.8	61.5 N	27.4 W	33	4.8	ICELAND REGION.
5	20 39 39.4	24.2 N	122.7 E	41	4.9	TAIWAN REGION.
5	22 57 08.4	21.2 S	33.3 E	33	4.4	MOZAMBIQUE.
6	00 08 24*	22.1 N	93.2 E	43	4.1	BURMA-INDIA BORDER REGION.
6	00 25 59*	37.0 N	115.4 E	33	4.6	EASTERN CHINA.
6	02 09 03*	36.8 N	137.8 E	33	3.9	HONSHU, JAPAN.
6	02 36 53.1	15.8 S	34.6 E	13	5.3	MALAWI. FELT.
6	02 59 23*	21.8 S	179.5 W	631	3.8	FIJI ISLANDS REGION.
6	03 52 53.4	23.8 N	122.9 E	52	4.8	TAIWAN REGION.
6	07 00 32.9	2.9 S	122.3 E	79	5.1	CELEBES.
6	07 14 15.2	25.0 S	179.5 E	508	4.8	SOUTH OF FIJI ISLANDS.
6	08 57 31.3	32.2 S	69.3 W	114	4.2	MENDOZA PROVINCE, ARGENTINA.
6	09 10 44*	53.1 N	168.5 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
6	09 47 07*	3.9 N	78.2 W	34	4.1	SOUTH OF PANAMA.
6	10 04 58*	43.5 N	146.2 E	33	4.1	KURILE ISLANDS.
6	10 08 30.0	37.0 N	137.7 E	139	4.3	HONSHU, JAPAN.
6	11 14 29*	29.4 N	131.0 E	33	4.5	RYUKYU ISLANDS REGION.
6	15 00 00.1					37° 20' 53" N 116° 19' 19" W. NEVADA TEST SITE. "CHARTREUSE" SHOT ELEVATION 1422.1 METERS (AEC).
6	16 08 09.7	18.1 N	145.2 E	328	5.1	MARIANA ISLANDS.
6	17 27 37*	26.1 S	28.0 E	15	4.5	REPUBLIC OF SOUTH AFRICA. FELT AT JOHANNESBURG.
6	18 24 35*	24.9 N	122.5 E	79	4.5	TAIWAN REGION.
6	19 44 55*	21.3 S	177.8 W	426	3.1	FIJI ISLANDS REGION.
6	19 53 46.1	19.5 S	173.6 W	102	4.8	TONGA ISLANDS.
6	22 40 33*	29.3 N	130.4 E	52	4.7	RYUKYU ISLANDS.
7	02 19 34*	15.2 S	68.8 W	219	3.6	BOLIVIA.
7	03 26 45.3	53.5 N	167.5 W	33	4.9	FOX ISLANDS, ALEUTIAN ISLANDS.
7	03 26 50.3	31.5 N	116.2 W	33	4.6	BAJA CALIFORNIA. MAG. 4 1/2 (PAS).
7	03 57 58.0	49.7 N	77.9 E	0	4.8	EASTERN KAZAKH SSR.
7	05 10 07.6	22.1 S	179.6 E	599	4.0	SOUTH OF FIJI ISLANDS.
7	06 48 41*	5.2 S	76.2 W	101	4.3	NORTHERN PERU.

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MAY	H M S	DEG	DEG	KM		
7	09 04 55.4	51.1 N	179.8 E	70	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
7	09 48 02.7	0.7 S	122.2 E	39	5.2	NORTHERN CELEBES.
7	11 08 53.0	22.3 S	177.0 W	303	4.4	SOUTH OF FIJI ISLANDS.
7	12 42 25.8	22.5 S	171.5 E	81	3.9	LOYALTY ISLANDS REGION.
7	13 08 15.8	37.8 N	27.9 E	9	5.3	TURKEY. FELT IN AYDIN REGION, TURKEY. FELT ON CHIOS AND SAMOS ISLANDS.
7	16 23 41.1	04.7 N	125.7 E	47	5.3	TALAUD ISLANDS.
7	17 09 13*	53.5 N	167.5 W	33	4.7	FOX ISLANDS, ALEUTIAN ISLANDS.
7	18 28 19*	34.6 N	70.7 E	19	4.4	AFGHANISTAN.
7	20 52 12*	37.3 N	115.0 E	33	4.4	NORTHEASTERN CHINA.
7	21 10 25*	41.4 N	69.0 E	33		CENTRAL KAZAKH SSR.
7	22 09 09.4	42.2 N	35.7 E	32	4.4	BLACK SEA.
8	01 25 20.8	45.0 N	150.5 E	49	4.5	KURILE ISLANDS.
8	02 10 37*	44.8 N	150.0 E	45	4.3	KURILE ISLANDS.
8	03 48 46.3	39.0 N	21.4 E	38	4.1	GREECE. FELT AT FLORIAS.
8	04 48 38.5	17.1 N	70.1 W	33	4.1	DOMINICAN REPUBLIC REGION.
8	08 29 58.2	44.8 N	150.5 E	45	4.6	KURILE ISLANDS REGION.
8	10 15 22.9	18.6 S	169.0 E	96	4.4	NEW HEBRIDES ISLANDS.
8	11 16 53.1	21.6 S	177.5 W	345	4.1	FIJI ISLANDS REGION.
8	12 25 57.6	18.8 N	146.9 E	54	4.7	MARIANA ISLANDS.
8	12 44 39.9	17.3 N	59.8 W	33		LEEWARD ISLANDS.
8	17 03 28*	36.1 N	139.9 E	61	4.4	HONSHU, JAPAN.
8	17 23 38.3	36.9 N	107.0 W	5	4.4	NEW MEXICO.
8	17 50 36.8	37.0 N	107.0 W	5	3.9	COLORADO.
8	22 20 49.5	50.9 N	157.3 E	33	4.6	KURILE ISLANDS.
9	00 03 37.7	14.3 N	144.6 E	109	4.7	MARIANA ISLANDS. FELT ON GUAM.
9	00 42 54.2	34.5 N	26.4 E	20	5.5	CRETE. FELT.
9	00 43 50.0	41.2 N	142.3 E	33	4.2	HOKKAIDO, JAPAN REGION.
9	01 26 45*	37.0 N	106.8 W	5		NEW MEXICO.
9	01 31 58*	17.9 S	69.2 W	173	4.2	PERU-BOLIVIA BORDER REGION.
9	01 56 53.0	0.1 S	125.1 E	121	5.6	MOLUCCA SEA.
9	02 08 54*	36.9 N	107.0 W	5	4.2	NEW MEXICO.
9	02 57 24*	37.0 N	106.9 W	5	4.4	NEW MEXICO.
9	02 57 49.8	38.4 N	139.3 E	33	4.7	NEAR WEST COAST OF HONSHU, JAPAN.
9	03 40 57.0	13.7 N	91.2 W	23	4.4	NEAR COAST OF GUATEMALA.
9	03 51 08.0	37.0 N	30.9 E	118	5.0	TURKEY.
9	04 31 27*	38.5 N	42.4 E	54	4.5	TURKEY.
9	04 34 42.0	38.1 N	42.3 E	33	4.3	TURKEY.
9	05 30 07.4	8.7 N	82.9 W	39	4.4	PANAMA-COSTA RICA BORDER REGION.

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MAY	H M S	DEG	DEG	KM		
9	06 08 28.7	34.5 N	26.5 E	33	4.9	CRETE.
9	06 19 05.1	14.2 N	52.0 E	33		EASTERN GULF OF ADEN.
9	10 00 32.7	13.2 S	166.9 E	198	4.3	NEW HEBRIDES ISLANDS.
9	10 47 34*	8.7 N	82.9 W	48	3.9	PANAMA-COSTA RICA BORDER REGION.
9	13 20 34*	9.0 S	123.7 E	74	5.1	TIMOR.
9	15 15 13.9	15.5 S	174.6 W	59	4.6	TONGA ISLANDS.
9	16 33 13*	15.3 S	173.9 W	33	4.1	TONGA ISLANDS.
9	18 12 35*	15.5 S	174.0 W	33	4.3	TONGA ISLANDS.
9	20 06 18.0	15.5 S	175.1 W	66	4.5	TONGA ISLANDS.
9	20 23 14*	28.6 N	111.8 W	33	3.8	GULF OF CALIFORNIA.
9	21 13 30*	42.1 S	87.6 E	33	4.6	SOUTHEAST INDIAN RISE.
9	21 30 41*	15.1 S	174.6 W	35	4.7	TONGA ISLANDS.
9	23 08 25*	15.1 S	174.7 W	71	4.3	TONGA ISLANDS.
10	01 15 36*	27.1 N	111.2 W	33	4.4	GULF OF CALIFORNIA.
10	02 47 45.4	34.5 N	26.6 E	33	4.4	CRETE.
10	03 35 30.5	53.2 N	168.3 W	33	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
10	05 32 25*	16.5 S	167.4 E	28	4.7	NEW HEBRIDES ISLANDS.
10	07 46 27.7	24.8 S	13.5 W	33	5.1	SOUTH ATLANTIC RIDGE.
10	10 08 58.4	41.7 N	142.0 E	64	4.9	HOKKAIDO, JAPAN REGION.
10	11 37 56*	36.7 N	115.7 E	33	4.8	EASTERN CHINA.
10	13 56 04*	49.8 N	153.9 E	33	4.6	KURILE ISLANDS.
10	14 46 48*	5.1 N	76.0 W	116	4.0	COLOMBIA.
10	18 44 31.1	36.5 N	27.5 E	35		DODECANESE ISLANDS. FELT ON KOS ISLAND.
10	20 22 23*	15.3 S	173.7 W	33	4.6	TONGA ISLANDS.
10	21 04 08.1	51.9 N	98.9 E	26	4.9	USSR-MONGOLIA BORDER REGION.
10	21 57 44.8	37.2 N	71.2 E	97	4.6	AFGHANISTAN-USSR BORDER REGION.
11	00 01 32*	7.1 S	74.5 W	152	4.0	PERU-BRAZIL BORDER REGION.
11	01 20 41*	16.6 N	95.9 W	47	4.0	OAXACA, MEXICO.
11	01 22 55.6	34.5 N	26.4 E	92	4.6	CRETE.
11	01 26 24.3	62.8 N	150.1 W	99	4.6	CENTRAL ALASKA.
11	01 53 58.8	34.5 N	69.8 E	48	5.1	AFGHANISTAN. FELT AT KABUL.
11	01 55 50*	16.6 N	96.6 W	54	4.2	OAXACA, MEXICO.
11	03 49 13.1	56.0 S	27.3 W	82	5.7	SOUTH SANDWICH ISLANDS REGION.
11	05 57 02*	12.3 N	86.8 W	33	4.0	NICARAGUA.
11	10 21 42*	34.5 N	26.4 E	6	4.7	CRETE.
11	14 17 38.1	48.9 N	156.3 E	37	5.7	KURILE ISLANDS REGION. MAG. 5.4-5.8 (BRK), 6 (PAL).
11	14 26 42.9	49.0 N	156.2 E	48	5.4	KURILE ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
11	14 43 12*	48.8 N	156.7 E	33	4.2	KURILE ISLANDS REGION.
11	15 06 01.7	34.5 N	26.5 E	33	4.8	CRETE.
11	18 00 28.2	48.8 N	156.6 E	18	4.1	KURILE ISLANDS REGION.
11	20 58 19.7	21.8 S	176.9 W	222	4.6	FIJI ISLANDS REGION.
11	21 39 36.6	48.8 N	156.2 E	34	5.5	KURILE ISLANDS REGION. MAG. 5.1-5.3 (BRK), 5 1/2-5 3/4 (PAL).
11	23 21 50.1	30.5 S	179.2 W	342	4.2	KERMADEC ISLANDS.
12	00 30 16*	18.4 N	146.8 E	148	4.1	MARIANA ISLANDS.
12	01 17 05*	21.3 S	179.6 W	609	4.0	FIJI ISLANDS REGION.
12	02 09 21*	49.5 N	155.6 E	62	4.6	KURILE ISLANDS.
12	06 31 11.7	24.3 N	122.3 E	52	4.8	TAIWAN REGION.
12	08 17 00*	20.7 S	168.9 E	69	4.1	LOYALTY ISLANDS.
12	11 01 33*	37.5 N	22.1 E	125		SOUTHERN GREECE.
12	11 42 46.4	40.1 N	78.2 E	31	4.5	SOUTHERN SINKIANG PROV., CHINA.
12	11 49 42*	65.5 S	179.5 E	33		BALLENY ISLANDS REGION.
12	12 17 01.7	48.9 N	156.3 E	37	4.5	KURILE ISLANDS REGION.
12	13 02 58.8	32.8 S	178.5 W	33	4.2	SOUTH OF KERMADEC ISLANDS.
12	19 37 26.0					37° 08' 03"N 116° 04' 16"W. NEVADA TEST SITE. "TAPESTRY" SHOT ELEVATION 1006.1 METERS (AEC).
12	20 31 01.8	38.6 N	25.8 E	33	4.4	AEGEAN SEA. FELT ON CHIOS AND LESVOS, ISLANDS.
13	01 35 20*	15.4 S	70.8 W	211	4.3	SOUTHERN PERU.
13	05 02 14.7	7.2 S	146.3 E	177	4.7	EAST NEW GUINEA REGION.
13	07 54 42*	51.0 N	176.3 E	33	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
13	10 20 31*	6.0 N	125.7 E	155	5.0	MINDANAO, PHILIPPINE ISLANDS.
13	10 50 49.7	15.8 S	174.9 W	70	4.3	TONGA ISLANDS.
13	12 49 03*	15.7 S	175.9 W	178	4.2	TONGA ISLANDS.
13	13 05 33.5	34.5 N	26.6 E	21	4.5	CRETE.
13	13 11 48.7	34.4 N	26.5 E	26	4.6	CRETE.
13	13 16 10*	59.3 N	148.5 W	33	4.1	KENAI PENINSULA, ALASKA.
13	13 30 00.0					37° 05' 03"N 116° 02' 01"W. NEVADA TEST SITE. "PIRANHA" SHOT ELEVATION 708.9 METERS (AEC).
13	13 59 21.4	49.9 N	157.4 E	29	4.3	KURILE ISLANDS REGION.
13	14 19 29.1	49.8 N	157.2 E	33	4.2	KURILE ISLANDS REGION.
13	17 16 54*	53.2 N	168.2 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
13	17 25 55.9	36.9 N	121.6 W	18	4.6	CENTRAL CALIFORNIA. MAG. 4.5 (BRK). HYPOCENTER BY BERKELEY.
13	19 29 47.1	19.5 S	175.7 W	246	4.0	TONGA ISLANDS.
13	23 12 35.4	30.0 N	70.0 E	26	4.0	WEST PAKISTAN.
13	23 54 05.0	32.9 N	68.6 E	55	4.5	AFGHANISTAN.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
14	02 59 56*	7.2 N	82.6 W	33	3.8	SOUTH OF PANAMA.
14	04 16 04*	85.0 N	1.4 E	9	3.8	NORTH OF SVALBARD.
14	06 08 29*	18.5 N	144.9 E	233	4.0	MARIANA ISLANDS.
14	09 04 40*	19.9 S	177.3 W	330	4.1	FIJI ISLANDS REGION.
14	09 23 12.4	24.1 N	122.9 E	41		TAIWAN REGION.
14	09 33 59*	53.3 N	168.0 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
14	11 07 26*	15.7 S	68.9 W	190	3.9	BOLIVIA.
14	11 33 10*	53.2 N	168.7 W	33	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
14	14 46 14.6	51.9 N	177.7 W	66		ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.
14	16 35 12*	19.5 S	177.7 W	350	4.2	FIJI ISLANDS REGION.
14	16 59 51.9	34.1 N	138.9 E	41	4.7	NEAR S. COAST OF HONSHU, JAPAN. FELT ON MIYAKE ISLAND AND IN CENTRAL JAPAN.
14	17 03 56.7	34.2 N	138.9 E	33	4.9	NEAR S. COAST OF HONSHU, JAPAN. FELT ON MIYAKE ISLAND AND IN CENTRAL JAPAN.
14	18 26 05.5	26.4 S	67.5 W	15	4.5	CATAMARCA PROVINCE, ARGENTINA.
14	19 37 30.9	15.5 S	175.1 W	33	4.8	TONGA ISLANDS.
14	20 27 27.7	10.4 N	63.0 W	16	5.4	NEAR COAST OF VENEZUELA. FELT AT CARIPITO.
14	23 00 42.6	36.9 N	22.4 E	40	4.2	SOUTHERN GREECE. FELT IN MESSENIA.
15	02 13 03.7	39.7 N	74.4 E	62	4.8	SOUTHERN SINKIANG PROV., CHINA.
15	03 38 09.7	5.3 S	152.1 E	55	4.8	NEW BRITAIN REGION.
15	04 34 10.8	53.4 N	167.9 W	33	4.7	FOX ISLANDS, ALEUTIAN ISLANDS.
15	07 33 46*	48.8 N	156.3 E	33	4.2	KURILE ISLANDS REGION.
15	08 29 35.5	39.0 N	21.2 E	34	4.2	GREECE. FELT IN ACARNANIA.
15	10 11 06.0	35.2 N	27.2 E	25	4.4	DODECANESE ISLANDS.
15	14 11 15*	8.0 S	117.8 E	33	4.9	SUMBAWA ISLAND REGION.
15	14 46 06.5	51.4 N	178.4 W	30	5.7	ANDREANOF ISLANDS, ALEUTIAN IS. MAG. 5 3/4-6 (PAS), 5.5-5.7 (BRK), 6 (PAL). FELT ON ADAK.
15	17 16 16.7	36.6 N	70.9 E	226	4.6	HINDU KUSH REGION.
15	20 16 04*	1.5 S	78.0 W	195	4.1	ECUADOR.
16	02 46 39.8	6.9 S	129.4 E	188	5.5	BANDA SEA.
16	05 44 18.8	0.6 N	30.1 E	33	4.8	UGANDA. FELT AT FORT PORTAL AND ENTEBBE.
16	08 28 23.6	0.8 N	126.8 E	33	5.1	MOLUCCA PASSAGE.
16	11 13 19.9	15.1 S	167.5 E	139		NEW HEBRIDES ISLANDS.
16	12 57 43*	36.6 N	34.3 W	33	4.4	AZORES ISLANDS REGION.
16	13 06 38.4	30.6 N	130.3 E	71	4.9	KYUSHU, JAPAN.
16	13 39 46*	53.2 N	168.3 W	33	3.9	FOX ISLANDS, ALEUTIAN ISLANDS.
16	14 51 00*	15.9 S	174.1 W	116	4.2	TONGA ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
16	17 30 54.0	34.4 N	26.5 E	30	4.7	CRETE.
16	20 02 24.5	61.8 N	26.7 W	33	4.4	ICELAND REGION.
16	20 09 36.8	17.2 N	120.0 E	56	4.8	LUZON, PHILIPPINE ISLANDS.
16	23 16 37.9	53.4 N	167.9 W	33	4.5	FOX ISLANDS, ALEUTIAN ISLANDS.
17	00 59 06.7	35.7 N	140.4 E	77	5.2	NEAR EAST COAST OF HONSHU, JAPAN.
17	01 47 41.3	17.3 N	98.8 W	74	4.4	GUERRERO, MEXICO.
17	04 30 44.8	6.8 S	129.2 E	185	5.0	BANDA SEA.
17	05 40 18.8	5.7 S	151.8 E	49	4.9	NEW BRITAIN REGION. FELT AT RABAUL.
17	07 03 32.7	0.7 N	29.9 E	35	5.3	REPUBLIC OF THE CONGO.
17	09 11 53.4	51.2 N	178.3 W	33	4.2	ANDREANOF ISLANDS, ALEUTIAN IS.
17	09 33 31.1	18.5 S	167.6 E	32	4.6	NEW HEBRIDES ISLANDS.
17	16 58 17.6	44.1 S	75.5 W	33	5.4	OFF COAST OF SOUTHERN CHILE.
17	17 50 31.4	36.5 N	70.7 E	240		HINDU KUSH REGION.
17	18 55 35*	44.0 S	75.6 W	33	5.0	OFF COAST OF SOUTHERN CHILE.
17	23 58 20.9	29.6 S	176.8 W	33	4.3	KERMADEC ISLANDS.
18	01 41 52.0	25.5 N	122.4 E	58	4.6	TAIWAN REGION.
18	01 46 34.0	0.7 N	29.9 E	34	4.0	REPUBLIC OF THE CONGO.
18	03 41 18*	20.7 S	174.3 W	33	4.1	TONGA ISLANDS.
18	04 00 01.1	6.3 N	73.6 W	137	3.7	NORTHERN COLOMBIA.
18	04 25 05.2	32.5 S	72.1 W	33	4.4	OFF COAST OF CENTRAL CHILE. FELT AT SANTIAGO AND VALPARAISO.
18	04 51 57*	51.2 N	179.9 E	33	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
18	07 23 08.9	2.9 S	137.2 E	68	5.1	WEST NEW GUINEA.
18	07 32 07.2	25.0 N	109.1 W	33	5.3	GULF OF CALIFORNIA. MAG. 5 3/4 (PAS), 5-5.4 (BRK), 6-6 1/4 (PAL).
18	07 53 34*	24.8 N	108.9 W	33	3.9	GULF OF CALIFORNIA.
18	08 05 01.7	24.8 N	108.9 W	38	4.3	GULF OF CALIFORNIA.
18	12 52 25*	0.7 S	121.6 E	33	4.8	NORTHERN CELEBES.
18	13 06 50*	19.1 S	67.5 W	249	3.9	SOUTHERN BOLIVIA.
18	13 12 42*	38.1 N	112.0 W	33		UTAH.
18	17 25 50.1	5.9 N	116.7 E	33	5.3	BORNEO.
18	20 05 39*	36.4 N	9.9 W	37	4.1	WEST OF GIBRALTAR.
19	00 26 42.2	36.9 N	107.0 W	5	4.1	NEW MEXICO. FELT AT DULCE.
19	05 58 37.8	39.8 N	77.8 E	13	4.7	SOUTHERN SINKIANG PROV., CHINA.
19	07 06 24.4	54.1 N	164.1 W	9		UNIMAK ISLAND REGION. MAG. 6 (PAS), 5.6-6 (BRK), 6 (PAL). FELT AT COLD BAY.
19	08 35 10.4	10.1 N	62.3 W	127	4.2	NEAR COAST OF VENEZUELA.
19	08 44 02*	1.4 S	91.3 W	33	4.3	GALAPAGOS ISLANDS.
19	09 18 34*	54.0 N	163.7 W	33	4.3	UNIMAK ISLAND REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
19	10 42 22*	17.9 N	96.4 W	41	3.6	OAXACA, MEXICO.
19	11 38 25.7	5.2 S	153.7 E	48		NEW IRELAND REGION.
19	11 56 22.4	29.7 S	176.9 W	21	4.3	KERMADEC ISLANDS.
19	12 51 02.9	38.0 N	73.0 E	153	4.8	TADZHIK SSR.
19	13 56 28.1					37° 06' 40"N 116° 03' 29"W. NEVADA TEST SITE. "DUMONT" SHOT ELEVATION 608.1 METERS (AEC).
19	15 37 17.9					"DUMONT" COLLAPSE.
19	17 37 19.1	17.6 S	71.9 W	19	4.3	NEAR COAST OF PERU. FELT AT AREQUIPA.
19	22 21 33*	44.4 N	11.0 E	33		NORTHERN ITALY.
19	23 08 04.7	17.4 S	168.6 E	212	4.8	NEW HEBRIDES ISLANDS.
20	00 30 42.2	36.5 N	138.2 E	61	4.1	HONSHU, JAPAN.
20	00 53 00.0	43.0 N	0.2 W	35	4.2	PYRENEES. FELT AT LOURDES, LANNEMEZAN AND SAINT-GAUDENS.
20	02 53 48.5	25.6 N	128.3 E	60	5.2	RYUKYU ISLANDS.
20	03 51 18*	14.8 N	91.7 W	33	4.0	GUATEMALA.
20	03 58 01*	11.6 N	82.6 W	33	3.9	NORTH OF PANAMA.
20	05 22 58*	53.3 N	168.3 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
20	06 41 05.5	19.4 S	69.8 W	98	3.8	NORTHERN CHILE.
20	07 31 09*	36.0 N	117.4 W	16	3.9	CALIFORNIA-NEVADA BORDER REGION.
20	07 38 04*	05.1 N	018.6 E	033	3.9	POLAND.
20	07 46 34*	60.7 S	24.7 W	33	5.2	SOUTH SANDWICH ISLANDS REGION.
20	08 12 01.8	50.2 N	177.7 E	33	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
20	09 14 49.1	13.9 N	146.1 E	65	5.7	SOUTH OF MARIANA ISLANDS. MAG. 6 1/4-6 1/2 (PAS), 6-6.4 (BRK).
20	09 19 08*	34.2 N	26.4 E	54	3.8	CRETE.
20	10 39 14*	20.3 S	113.4 W	33	4.3	EASTER ISLAND CORDILLERA.
20	11 44 28*	54.9 N	165.7 E	35	5.1	KOMANDORSKY ISLANDS REGION.
20	12 11 37.8	38.0 N	112.1 W	18		UTAH.
20	12 34 17.2	14.1 N	146.3 E	33	5.1	MARIANA ISLANDS.
20	13 40 24*	37.9 N	112.1 W	18		UTAH.
20	13 40 48.8	37.9 N	112.1 W	18	4.3	UTAH.
20	13 50 33.2	38.0 N	112.1 W	18		UTAH.
20	14 06 33*	50.3 N	177.9 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
20	14 19 35*	37.9 N	112.1 W	18		UTAH.
20	18 02 35.5	19.4 N	122.0 E	49	5.4	PHILIPPINE ISLANDS REGION.
20	18 13 49*	19.7 N	121.9 E	33	4.8	PHILIPPINE ISLANDS REGION.
20	19 57 41*	50.4 N	129.9 W	33	3.6	VANCOUVER ISLAND REGION.
20	20 09 00.3	40.6 N	73.4 E	21	4.7	KIRGIZ SSR.
20	23 58 51.7	50.2 N	129.7 W	37	5.0	VANCOUVER ISLAND REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
21	02 44 36*	50.1 N	129.6 W	33	4.2	VANCOUVER ISLAND REGION.
21	03 24 59*	30.9 N	42.1 W	33	4.1	NORTH ATLANTIC RIDGE.
21	07 44 20.1	8.1 S	74.4 W	160	4.5	PERU-BRAZIL BORDER REGION.
21	08 08 30.8	24.3 S	179.9 E	518	5.0	SOUTH OF FIJI ISLANDS.
21	10 51 01.4	21.1 S	174.6 W	75	5.1	TONGA ISLANDS.
21	17 43 15*	3.3 N	125.4 E	178	5.0	TALAUD ISLANDS.
21	18 41 58.6	9.6 N	126.0 E	76	5.4	MINDANAO, PHILIPPINE ISLANDS.
21	19 05 15.7	5.3 S	153.3 E	68	4.6	NEW IRELAND REGION.
21	22 14 19.5	37.5 N	22.9 E	105		SOUTHERN GREECE.
21	22 39 14.8	19.1 S	169.5 E	238	5.0	NEW HEBRIDES ISLANDS.
21	23 53 50.7	18.0 S	178.4 W	555	4.6	FIJI ISLANDS REGION.
22	02 52 11.9	7.4 S	155.6 E	79	5.5	SOLOMON ISLANDS. FELT AT BUIN.
22	03 25 19.1	7.4 S	155.7 E	97	5.3	SOLOMON ISLANDS. FELT AT BUIN.
22	05 37 47*	20.3 N	109.9 W	33	4.3	REVILLA GIGEDO ISLANDS REGION.
22	05 48 08*	21.1 N	108.8 W	33	4.0	REVILLA GIGEDO ISLANDS REGION.
22	06 06 30*	21.0 N	108.9 W	25	4.5	REVILLA GIGEDO ISLANDS REGION.
22	06 13 59*	21.2 N	108.7 W	39	4.0	REVILLA GIGEDO ISLANDS REGION.
22	06 30 29*	21.0 N	108.9 W	33	3.7	REVILLA GIGEDO ISLANDS REGION.
22	07 01 22*	20.7 N	109.0 W	33	3.7	REVILLA GIGEDO ISLANDS REGION.
22	07 37 28.5	38.7 N	28.0 E	33	4.6	TURKEY. MINOR DAMAGE AT AKHISAR. FELT AT IZMIR.
22	07 42 50.6	21.2 N	108.7 W	60	5.3	REVILLA GIGEDO ISLANDS REGION. MAG. 4.2-4.6 (BRK).
22	09 23 28*	21.3 N	108.7 W	33	4.2	REVILLA GIGEDO ISLANDS REGION.
22	09 29 22.9	21.1 N	108.8 W	50	5.0	REVILLA GIGEDO ISLANDS REGION. MAG. 4.4-4.8 (BRK).
22	10 02 55*	21.0 N	108.7 W	33	3.6	REVILLA GIGEDO ISLANDS REGION.
22	10 12 59*	21.0 N	108.9 W	33	4.0	REVILLA GIGEDO ISLANDS REGION.
22	11 15 42.6	39.1 N	21.0 E	20	4.0	GREECE-ALBANIA BORDER REGION. FELT AT KOMPOTION, GREECE.
22	11 57 29*	20.8 N	109.1 W	33	3.4	REVILLA GIGEDO ISLANDS REGION.
22	12 23 26*	32.2 N	68.8 E	36		AFGHANISTAN.
22	14 50 47*	20.6 N	109.0 W	26	4.1	REVILLA GIGEDO ISLANDS REGION.
22	16 14 05.7	58.1 N	32.7 W	33	4.9	NORTH ATLANTIC OCEAN.
22	16 43 16.8	36.7 N	140.7 E	53	4.5	NEAR EAST COAST OF HONSHU, JAPAN.
22	18 03 46*	21.0 N	108.7 W	34	4.3	REVILLA GIGEDO ISLANDS REGION.
22	20 16 52.5	34.4 N	26.5 E	46	3.5	CRETE.
22	21 36 38.2	6.5 S	147.0 E	113	4.6	EAST NEW GUINEA REGION.
22	22 19 35.9	52.0 N	175.0 E	33	4.7	NEAR ISLANDS, ALEUTIAN ISLANDS.
23	00 02 50.0	7.4 S	155.8 E	119	5.2	SOLOMON ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
23	01 18 13*	21.0 N	108.8 W	33	4.2	REVILLA GIGEDO ISLANDS REGION.
23	01 25 59*	52.8 N	33.7 W	33	3.9	NORTH ATLANTIC OCEAN.
23	01 28 53.2	52.6 N	33.9 W	33	4.4	NORTH ATLANTIC OCEAN.
23	02 14 17*	20.4 S	173.6 W	33	4.6	TONGA ISLANDS.
23	02 28 44*	21.1 N	108.8 W	36	4.2	REVILLA GIGEDO ISLANDS REGION.
23	02 30 42*	18.9 S	169.4 E	241	3.9	NEW HEBRIDES ISLANDS.
23	05 00 58*	20.9 N	108.8 W	31	4.0	REVILLA GIGEDO ISLANDS REGION.
23	05 58 59.7	16.1 S	174.6 W	82	4.6	TONGA ISLANDS.
23	06 06 00*	7.6 N	73.5 W	59	4.1	NORTHERN COLOMBIA.
23	07 05 06.3	30.5 N	140.2 E	100	4.3	SOUTH OF HONSHU, JAPAN.
23	07 05 50*	02.9 9	14.0 1	10	4.7	SOUTH OF HONSHU, JAPAN.
23	07 11 08.4	36.0 N	7C.3 E	155	3.4	HINDU KUSH REGION.
23	07 47 28*	16.9 S	173.0 W	33	4.3	TONGA ISLANDS.
23	07 48 25*	24.2 N	95.6 E	25	4.6	BURMA.
23	08 22 48*	21.1 N	108.9 W	33	4.1	REVILLA GIGEDO ISLANDS REGION.
23	08 39 44.5	30.1 N	139.8 E	28	5.4	SOUTH OF HONSHU, JAPAN. MAG. 5.7-6.1 (BRK).
23	08 49 22*	30.4 N	140.1 E	33	4.5	SOUTH OF HONSHU, JAPAN.
23	11 51 26.6	21.3 N	108.7 W	37	5.4	REVILLA GIGEDO ISLANDS REGION. MAG. 4.6-5 (BRK).
23	12 59 34*	20.7 N	109.2 W	33	3.7	REVILLA GIGEDO ISLANDS REGION.
23	14 22 33.1	13.9 N	146.3 E	40	5.4	SOUTH OF MARIANA ISLANDS. MAG. 5.5-5.7 (BRK).
23	18 00 16*	20.5 S	68.8 W	113	4.7	CHILE-BOLIVIA BORDER REGION.
23	18 CO 40.6	20.5 S	68.7 W	78	5.0	CHILE-BOLIVIA BORDER REGION.
23	20 45 46.8	30.3 N	139.7 E	24	4.8	SOUTH OF HONSHU, JAPAN.
23	22 00 33*	34.2 N	25.8 E	33	4.2	CRETE.
23	22 32 40.2	32.1 S	71.7 W	62	4.5	NEAR COAST OF CENTRAL CHILE.
23	23 18 31.6	30.4 S	68.2 W	33	4.2	SAN JUAN PROVINCE, ARGENTINA.
24	01 15 17*	6.6 S	153.9 E	314		NEW BRITAIN REGION.
24	03 49 52.8	39.7 N	121.9 W	2	4.5	CENTRAL CALIFORNIA. MAG. 4 1/2-4 3/4 (PAS), 4.5 (BRK). FELT IN NORTHERN SACRAMENTO VALLEY. HYPOCENTER BY BERKELEY.
24	04 35 25*	30.1 N	70.0 E	26	3.9	WEST PAKISTAN.
24	05 49 06.5	39.5 N	125.5 W	1	4.9	OFF COAST OF NORTHERN CALIFORNIA. MAG. 5 (BRK). CHEMICAL EXPLOSION (CHASE V).
24	06 19 03.3	39.8 N	77.7 E	63	4.6	SOUTHERN SINKIANG PROV., CHINA.
24	07 19 31*	54.2 S	3.1 E	33	5.1	BOUVET ISLAND REGION.
24	07 35 07*	34.0 N	135.7 E	385	4.0	NEAR S. COAST OF SOUTHERN HONSHU.
24	09 39 23.7	37.1 N	21.8 E	47		SOUTHERN GREECE. FELT IN MESSENIA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
24	11 09 25.0	37.4 N	22.1 E	43	4.9	SOUTHERN GREECE. FELT IN MESSENIA.
24	14 46 11.7	34.2 N	26.3 E	59	4.4	CRETE.
24	15 29 13.3	25.5 S	177.4 W	118	4.9	SOUTH OF FIJI ISLANDS.
24	17 43 31.4	34.8 N	24.7 E	43	4.7	CRETE.
24	20 19 42.3	21.4 N	108.6 W	63	4.8	REVILLA GIGEDO ISLANDS REGION. MAG. 4.3-4.7 (BRK).
24	20 51 01.5	2.3 S	77.6 W	28	4.2	PERU-ECUADOR BORDER REGION.
25	07 42 44.8	4.8 S	153.2 E	104	5.1	NEW IRELAND REGION.
25	08 28 59.0	6.4 S	131.2 E	40	5.6	TANIMBAR ISLANDS REGION.
25	09 06 56.8	40.3 N	19.8 E	33	4.7	ALBANIA.
25	12 07 00.4	21.7 S	169.9 E	9	5.2	LOYALTY ISLANDS REGION.
25	13 20 56.9	52.8 S	160.2 E	33	6.5	MACQUARIE ISLAND REGION. FELT.
25	13 59 06.4	26.1 S	180.0 E	450	4.2	SOUTH OF FIJI ISLANDS.
25	16 20 19*	14.5 S	167.3 E	112		NEW HEBRIDES ISLANDS.
25	16 29 54.5	17.6 S	70.9 W	42	4.2	NEAR COAST OF PERU. FELT AT AREQUIPA.
25	16 58 56*	51.4 N	170.9 W	33	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
25	19 23 01*	28.0 S	71.2 W	33	4.2	NEAR COAST OF CENTRAL CHILE.
25	20 08 39.3	23.1 S	66.8 W	215	3.9	JUJUY PROVINCE, ARGENTINA.
25	21 56 22*	51.7 N	174.9 W	33	4.5	ANDREANOF ISLANDS, ALEUTIAN IS.
25	22 49 45.1	35.6 N	136.3 E	27	4.5	SOUTHERN HONSHU, JAPAN.
25	23 21 27.6	9.6 S	77.1 W	165	4.2	PERU.
26	00 02 39.5	51.2 N	174.2 E	49	4.7	NEAR ISLANDS, ALEUTIAN ISLANDS.
26	00 21 56*	17.6 S	178.8 W	580	4.0	FIJI ISLANDS REGION.
26	00 46 52*	51.6 N	176.7 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
26	00 53 22.8	17.2 S	73.1 W	35	4.1	OFF COAST OF PERU.
26	02 57 50*	48.2 N	154.3 E	33	4.7	KURILE ISLANDS.
26	04 33 50.8	15.7 S	167.1 E	32	4.4	NEW HEBRIDES ISLANDS. FELT ON ESPIRITU SANTO.
26	07 47 55.9	32.2 N	41.0 W	33	4.5	NORTH ATLANTIC RIDGE.
26	10 34 29*	34.4 N	24.6 E	33	5.2	CRETE.
26	10 44 11.6	60.8 N	151.2 W	87	4.5	KENAI PENINSULA, ALASKA.
26	11 38 17.9	5.6 S	151.5 E	49	5.4	NEW BRITAIN REGION. FELT AT RABAUL.
26	11 58 56.3	30.5 S	177.6 W	33	4.3	KERMADEC ISLANDS REGION.
26	12 09 28*	47.0 N	152.6 E	40	4.6	KURILE ISLANDS.
26	12 21 47.6	17.5 S	176.8 W	33	4.1	FIJI ISLANDS REGION.
26	12 26 24.1	25.6 S	179.7 W	454	4.8	SOUTH OF FIJI ISLANDS.
26	14 47 46.2	31.5 S	69.2 W	120	3.9	SAN JUAN PROVINCE, ARGENTINA.
26	18 30 13.2	21.2 S	176.9 W	285	5.3	FIJI ISLANDS REGION.
26	19 03 30*	21.7 S	169.7 E	33		LOYALTY ISLANDS REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
26	19 14 16*	24.1 S	69.8 W	83	4.0	NORTHERN CHILE.
26	20 33 18*	31.1 N	115.7 W	33	4.4	BAJA CALIFORNIA. MAG. 5.2 (PAS).
26	20 49 34.3	51.3 N	177.5 E	33	4.6	RAT ISLANDS, ALEUTIAN ISLANDS.
26	21 14 43.3	5.3 S	128.4 E	319	4.7	BANDA SEA.
26	22 02 17*	15.1 S	173.4 W	33	4.0	TONGA ISLANDS.
26	22 13 14.8	0.3 N	122.2 E	119		NORTHERN CELEBES.
26	22 59 04.0	28.7 N	130.2 E	39	4.9	RYUKYU ISLANDS.
26	23 12 51.9	25.4 S	179.7 E	513	4.5	SOUTH OF FIJI ISLANDS.
27	04 55 39*	20.1 S	170.2 E	21	4.2	NEW HEBRIDES ISLANDS.
27	05 12 20.2	6.8 N	72.9 W	170	4.1	NORTHERN COLOMBIA.
27	09 08 25*	51.8 N	172.7 E	33	4.0	NEAR ISLANDS, ALEUTIAN ISLANDS.
27	10 09 38.3	0.5 N	123.5 E	78	5.2	NORTHERN CELEBES.
27	14 35 04.9	27.4 N	96.5 E	44	4.7	BURMA-INDIA BORDER REGION.
27	17 16 39*	40.7 N	51.9 E	58	4.0	CASPIAN SEA.
27	19 02 11.1	82.5 N	6.7 W	20	4.3	NORTH OF SVALBARD.
27	20 00 00.0					37° 10' 42"N 116° 05' 52"W. NEVADA TEST SITE. "DISCUS THROWER" ELEVATION 1069.8 METERS (AEC).
27	20 52 32.9					"DISCUS THROWER" COLLAPSE.
27	22 07 44.0	51.5 N	178.4 W	33	5.1	ANDREANOF ISLANDS, ALEUTIAN IS.
27	22 14 13.8	24.5 N	68.7 E	5	5.1	INDIA-WEST PAKISTAN BORDER REG.
28	00 03 54.8	24.5 N	122.6 E	20	5.7	TAIWAN REGION.
28	02 09 53.7	22.2 S	179.6 W	605	4.8	SOUTH OF FIJI ISLANDS.
28	02 22 14.1	52.3 N	169.9 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
28	05 21 22.1	36.8 N	138.1 E	6	4.5	HONSHU, JAPAN.
28	05 53 18.3	23.8 N	125.1 E	30	5.2	SOUTHWESTERN RYUKYU ISLANDS.
28	07 20 42*	28.7 N	130.2 E	33	4.5	RYUKYU ISLANDS.
28	12 24 47*	11.1 S	165.3 E	33	4.2	SANTA CRUZ ISLANDS.
28	14 34 40*	11.9 N	88.1 W	33	4.3	OFF COAST OF CENTRAL AMERICA.
28	14 58 46*	53.4 S	157.6 E	33		MACQUARIE ISLAND REGION.
28	17 57 33*	7.6 N	36.1 W	33	4.3	CENTRAL MID-ATLANTIC RIDGE.
28	19 58 08*	15.3 S	174.9 W	246	4.1	TONGA ISLANDS.
28	20 35 25*	6.9 N	34.0 W	33	4.5	CENTRAL MID-ATLANTIC RIDGE.
28	21 50 16.9	51.6 N	178.2 W	71	5.0	ANDREANOF ISLANDS, ALEUTIAN IS.
28	22 23 44.6	4.5 S	153.5 E	115	5.1	NEW IRELANC REGION.
29	02 26 11*	0.7 N	30.0 E	33	4.8	UGANDA.
29	03 55 54*	46.5 N	153.2 E	33	4.2	KURILE ISLANDS.
29	05 07 31*	19.2 S	66.4 W	244	3.5	SOUTHERN BOLIVIA.
29	06 46 35.9	60.9 N	144.6 W	22	3.9	SOUTHERN ALASKA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAY	H M S	DEG	DEG	KM		
29	08 30 30*	15.0 S	172.8 W	33	4.4	SAMOA ISLANDS REGION.
29	08 42 41*	19.3 S	168.8 E	33	3.8	NEW HEBRIDES ISLANDS.
29	10 31 43.5	0.2 N	97.0 E	25	4.6	OFF W. COAST OF NORTHERN SUMATRA.
29	13 44 33.2	21.5 S	178.7 W	518	5.1	FIJI ISLANDS REGION.
29	15 03 50*	24.0 N	95.2 E	68		BURMA.
29	15 20 54.0	4.6 S	153.7 E	95	5.1	NEW IRELAND REGION.
29	16 34 16*	17.4 S	69.4 W	146	3.8	PERU-BOLIVIA BORDER REGION.
30	02 28 09*	19.2 N	108.8 W	33	3.8	REVILLA GIGEDO ISLANDS REGION.
30	03 09 33.6	7.6 N	76.9 W	32	5.2	NORTHERN COLOMBIA.
30	07 12 36*	6.5 S	35.5 E	33	3.3	TANGANYIKA.
30	07 17 41*	25.2 N	110.6 W	33	3.7	GULF OF CALIFORNIA.
30	09 39 03*	38.8 N	118.6 W	33	3.4	CALIFORNIA-NEVADA BORDER REGION. MAG. 3.5 (BRK).
30	12 44 05*	50.1 N	179.1 E	65	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
30	12 51 58*	36.0 N	68.8 E	220	4.6	HINDU KUSH REGION.
30	14 53 00.0	71.3 N	7.3 W	33	4.3	JAN MAYEN ISLAND REGION.
30	16 53 21*	25.9 N	109.6 W	33	4.0	GULF OF CALIFORNIA.
30	18 53 23*	53.5 N	166.8 W	33	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.
30	19 15 31*	16.8 S	177.4 W	380	4.1	FIJI ISLANDS REGION.
30	19 20 36.2	15.2 S	174.1 W	74	4.4	TONGA ISLANDS.
30	22 20 41*	37.8 N	112.1 W	18		UTAH.
30	22 31 07*	21.6 S	68.1 W	109	4.0	CHILE-BOLIVIA BORDER REGION.
31	01 06 29*	46.5 N	116.4 W	33		WESTERN IDAHO.
31	06 19 02.1	37.6 N	78.0 W	33	3.1	VIRGINIA. MAG. 3.4 (PAL). FELT WIDELY.
31	07 42 59.5	52.3 N	169.8 W	33	4.3	FOX ISLANDS, ALEUTIAN ISLANDS.
31	08 50 19.8	8.4 S	74.4 W	160	4.8	PERU-BRAZIL BORDER REGION.
31	10 21 51.4	25.9 N	109.1 W	33	4.2	GULF OF CALIFORNIA.
31	11 22 09*	34.0 N	117.3 W	11		SOUTHERN CALIFORNIA. MAG. 3.0 (PAS).
31	12 06 05*	41.9 S	174.1 E	33	5.1	COOK STRAIT, NEW ZEALAND.
31	15 36 21*	22.8 S	67.0 W	166	4.1	JUJUY PROVINCE, ARGENTINA.
31	18 51 01.6	19.3 S	167.8 E	33	4.9	NEW HEBRIDES ISLANDS REGION.
31	19 59 48.7	15.2 S	168.2 E	21	5.0	NEW HEBRIDES ISLANDS.

Date and Station	Phase (GCT)
	h m s
MAY 1	
COL EP	00 06 55.0
MAY 1	
H-01 09 57.1	
10.2S 161.2E	
h ABOUT 71KM	
COL IP	01 22 19.1
BMO E(P)	01 22 54.7
E▸P	23 18.2
EUR IP	01 22 55.0
BCN EP	01 22 57.0
BOZ EP	01 23 15.0
MAY 1	
UKI EP	02 36 32.4
MAY 1	
COL E(P)	03 27 04.7
MAY 1	
COL EP	03 55 04.0
MAY 1	
COL EP	04 17 59.7
BMO E(P)	04 21 50.8
MAY 1	
COL EP	05 42 43.4
MAY 1	
H-06 18 56.1	
22.7S 068.8W	
h ABOUT 111KM	
BMO E(P)	06 30 57.7
MAY 1	
H-07 02 00.2	
23.8S 176.9W	
h ABOUT 114KM	
TUC EP	07 14 20.5
EUR EP	07 14 23.8
BMO E(P)	07 14 35.6
BOZ EP	07 14 53.5
MAY 1	
COL EP	07 59 59.0
MAY 1	
H-08 04 26.1	
6.9S 077.0W	
h ABOUT 48KM	
BOZ EP	08 14 35.0
MAY 1	
COL EP	08 41 16.0
MAY 1	
EUR IP	09 13 02.2
MAY 1	
BMO EP	09 14 59.2
EUR EP	09 15 04.7
MAY 1	
H-10 11 21.1	
19.0N 147.2E	
h ABOUT 33KM	
GUA IP	10 12 48.0
IS	13 52.0
COL E(P)	10 21 42.0
BMO EP	10 23 30.8
EUR IP	10 23 46.0
BOZ EP	10 23 52.0
MAY 1	
GUA EP	10 13 53.5
MAY 1	
H-10 50 53.3	
04.5S 153.5E	
h ABOUT 103KM	
GUA EP	10 55 19.0
KIP EP	11 00 10.8
COL EP	11 02 58.0
BRW EP	11 03 04.0
BMO EP	11 03 53.6
EUR IP	11 03 57.7
BCN EP	11 04 02.5
E	04 29.5
BOZ EP	11 04 13.5
MAY 1	
EUR EP	11 21 06.7
MAY 1	
H-11 38 23.7	
39.0N 111.6W	
h ABOUT 5KM	
GCA EP	11 39 00.5
IL	39 30.5
E	41 09.0
FGU IP C	11 39 08.2
IL	39 39.5
EUR E(P)	11 39 17.4
I	39 25.1
IL	40 14.5
BCN E(P)	11 39 37.0
ALQ IP	11 39 50.5
IL	41 22.0
BOZ E(P)	11 40 04.0
E	40 18.0
BMO EP	11 40 14.0
MAY 1	
TUC E(P)	11 40 24.0
MAY 1	
H-12 06 57.4	
02.5N 128.9E	
h ABOUT 93KM	
BRW EP	12 19 15.0
MAY 1	
H-12 57 12.4	
3.5S 143.0E	
h ABOUT 28KM	
BRW E(P)	13 09 46.0
BMO E(P)	13 10 54.3
EUR E(P)	13 11 00.0
MAY 1	
ALQ E(P)	13 05 06.8
MAY 1	
H-13 14 55.3	
03.4S 143.4E	
h ABOUT 112KM	
BRW E(P)	13 27 17.3
COL EP	13 27 18.0
EUR E(P)	13 28 33.3
SJG EP'	13 34 30.0
MAY 1	
BOZ EP	13 21 54.0
COL E(P)	13 22 01.0
BMO EP	13 22 12.2
E	22 31.4
HHM E(P)	13 22 39.5
E	23 13.5
EUR E(P)	13 22 45.0
MAY 1	
BMO E(P)	13 24 36.0
E	24 43.8
MAY 1	
HHM E(P)	13 27 40.5
E	28 25.0
E	31 41.5
RCD E(P)	13 27 48.0
BOZ E(P)	13 28 05.0
E	32 05.0
MAY 1	
GUA IP	13 31 24.0
IS	31 34.0
MAY 1	
COL E(P)	13 42 50.0
BMO E(P)	13 43 49.7
E	44 09.0
EUR E(P)	13 44 01.7
MAY 1	
COL EP	14 00 34.0
MAY 1	
BCN IP D	15 45 47.0
IS	45 48.7
MAY 1	
BRW EP	15 52 44.5
MAY 1	
BMO E(P)	15 55 48.4
EUR E(P)	15 56 06.0
MAY 1	
H-16 22 55.5	
8.4S 074.3W	
h ABOUT 154KM	
BHP IP C	16 26 58.5
SJG IP D	16 28 29.4
E▸P	29 01.2
IS	32 58.0
CSC IP	16 30 39.2
E▸P	31 14.0
EsP	31 31.5
ES	36 50.0
WSC IP	16 31 15.0
E▸P	31 53.0
CHK EP	16 31 44.8
E▸P	32 20.8
ES	38 44.9
ALQ IP	16 31 56.5
IS	39 12.0
TUC IP D	16 32 01.5
E▸P	32 35.0
ES	39 24.0
GCA IP D	16 32 28.4
ES	40 21.0
EP'P'	17 03 06.0
RCD EP D	16 32 36.9
E▸P	32 13.5
ESCP	37 00.0
ES	40 30.0
EsS	41 28.0
BCN IP D	16 32 37.0
EP'P'	17 02 24.5
E	03 00.0
FGU IP D	16 32 39.0
I▸P	33 18.0
IsP	33 35.0
IS	40 34.2
ISP	41 36.0
EP'P'	17 02 02.3
CED EP	16 32 43.7
E▸P	33 22.0
SLC IP D	16 32 46.9
ES	40 47.3

Date and Station	Phase	(GCT) h m s
EUR	IP D	16 32 57.0
	I▸P	33 37.6
	I	34 08.7
	EPPP	36 48.5
	E	38 40.1
	E(S)	41 08.0
	EP'P'	17 01 58.8
	I	02 52.8
BOZ	IP D	16 33 10.5
	IPCP	33 31.6
	E▸P	33 43.5
	EsP	34 00.0
	E	36 24.0
	ES	41 26.0
	EP'P'	17 02 04.5
BMO	IP	16 33 24.3
UKI	E(P)	16 33 26.2
HHM	IP D	16 33 30.4
	I▸P	34 08.0
	ES	42 08.5
	ESCS	43 09.5
	EP'P'	17 01 59.0
KIP	EP	16 35 27.7
HON	IP	16 35 28.0
COL	IP D	16 35 41.0
	I▸P	36 19.0
	E(PP)	39 19.0
	ES	46 10.9
	EPKKP	52 39.0
BRW	IP D	16 36 03.5
	E▸P	36 44.5
	EPKKP	52 55.4
	E	58 37.2
GUA	EP'	16 42 01.0
MAY 1		
CED	IP	16 34 17.8
	IS	34 20.5
MAY 1		
ALQ	E(P)	17 09 19.5
	E	09 56.5
EUR	E(P)	17 09 58.5
	E	10 37.2
BMO	E(P)	17 10 16.3
	E	10 54.0
MAY 1		
BRW	EP	18 25 39.7
MAY 1		
H-18 30 43.1		
30.6N 140.4E		
h ABOUT 128KM		
GUA	EP	18 34 40.0
BRW	EP C	18 39 45.5
	E▸P	40 12.4
COL	EP	18 40 02.0
BMO	EP	18 42 23.3
	E▸P	42 51.3
HHM	IP	18 42 24.0
	I▸P	42 51.5
BOZ	IP C	18 42 40.0
	I▸P	43 08.5
EUR	IP	18 42 44.0
CED	EP	18 42 56.1
BCN	EP	18 42 58.0
FGU	IP C	18 43 00.5
	E▸P	43 26.5
RCD	E(P)	18 43 09.5
TUC	EP	18 43 20.5
ALQ	EP D	18 43 27.5
	E▸P	43 55.0
MAY 1		
EUR	IP	18 47 02.8
MAY 1		
TUC	E(P)	20 11 25.0
MAY 1		
ALQ	EP	20 13 12.5
	I	15 06.0
MAY 1		
BCN	IP D	20 40 31.4
	IS	40 33.0
MAY 1		
COL	EP	21 39 07.0
MAY 1		
BMO	EP	21 50 47.8
MAY 1		
BCN	EP	21 54 06.2
MAY 1		
EUR	IP	21 55 20.0
MAY 1		
H-22 23 22.1		
23.8N 045.4W		
h ABOUT 33KM		
ALQ	EP	22 32 35.0
BOZ	EP	22 33 06.0
	E	36 41.5
BMO	E(P)	22 33 33.8
	E▸P	33 44.3
COL	EP	22 34 55.0
MAY 1		
H-22 28 45.9		
09.6N 083.9W		
h ABOUT 71KM		
EUR	E(P)	22 36 39.0
BOZ	EP	22 36 41.5
BMO	E(P)	22 36 58.4
	E	37 04.6
COL	EP	22 39 54.0
MAY 1		
BCN	IP D	23 14 49.3
	IS	14 50.0
MAY 1		
BCN	IP D	23 18 22.4
	IS	18 24.4
MAY 1		
H-23 24 15.9		
04.3S 144.3E		
h ABOUT 139KM		
COL	IP	23 36 34.8
EUR	E(P)	23 37 38.6
BMO	E(P)	23 37 42.5
MAY 1		
TUC	E(P)	23 27 21.5
ALQ	E(P)	23 28 07.5
MAY 1		
BHP	IP C	23 29 46.0
MAY 1		
ALQ	IP	23 53 52.5
EUR	EP	23 55 01.6
MAY 2		
BCN	IP D	00 24 45.5
	IS	24 47.2
MAY 2		
H-01 26 55.2		
17.6N 061.0W		
h ABOUT 33KM		
SJG	EP	01 28 06.5
	I	28 10.5
	IL	29 08.0
TUC	EP	01 35 27.0
COL	E(P)	01 38 21.8
MAY 2		
EUR	EP	03 43 27.9
MAY 2		
ALQ	E(P)	04 05 02.1
MAY 2		
COL	EP	04 17 58.0
MAY 2		
BMO	E(P)	04 41 11.7
EUR	IP	04 41 34.2
MAY 2		
EUR	EP	05 52 02.0
MAY 2		
SJG	IP D	06 12 46.3
	IS	12 55.2
MAY 2		
SJG	IP D	06 22 30.4
	IS	22 39.4
MAY 2		
SJG	IP D	06 24 10.0
	IS	24 19.0
MAY 2		
BCN	E(P)	07 49 08.2
	E	49 23.5
	EL	49 58.8
MAY 2		
ALQ	IP	08 00 30.0
MAY 2		
EUR	IP	08 03 15.6
MAY 2		
COL	EP	09 42 36.0
MAY 2		
H-09 52 49.1		
06.0S 149.8E		
h ABOUT 56KM		
GUA	IP	09 57 22.0
	ES	10 01 09.0
HON	I(P)	10 02 44.0
	IS	10 48.8
COL	EP	10 05 12.0
BMO	EP	10 06 15.6
	E	06 37.8
BCN	EP	10 06 16.8
	E	06 46.5
EUR	IP	10 06 18.0
HHM	E(P)	10 06 28.4
BOZ	EP	10 06 30.5
	ESKS	17 27.0
	ESS	25 40.0
CSC	EP'	10 11 46.8
SJG	EP'	10 12 18.2
MAY 2		
ALQ	EP	10 11 06.8
MAY 2		
EUR	EP	10 15 59.5
	E	16 34.0
BCN	E(P)	10 16 20.8
MAY 2		
EUR	IP	10 17 09.0
MAY 2		
EUR	E(P)	10 22 59.5
BMO	E(P)	10 23 02.0
	E	23 12.3

Date and Station	Phase (GCT)
	h m s
MAY 2	
H-10 34 39.5	
41.2N 141.3E	
h ABOUT 130KM	
COL EP	10 42 50.0
HHM EP	10 45 30.0
BMO EP	10 45 34.1
BOZ EP	10 45 49.6
ALQ EP	10 46 47.4
E	47 25.0
MAY 2	
COL EP	10 40 28.0
MAY 2	
H-10 53 27.9	
18.1S 178.3W	
h ABOUT 528KM	
KIP EP	11 00 49.4
GUA EP	11 01 20.6
BCN E(P)	11 04 38.2
EUR IP D	11 04 51.3
E	05 50.3
TUC EP	11 04 53.0
GCA EP	11 05 01.1
BMO IP	11 05 01.3
COL IP D	11 05 10.6
E	07 17.3
ALQ EP	11 05 14.0
FGU IP	11 05 16.5
I	05 32.5
E	06 21.5
HHM IP	11 05 18.6
I	06 23.0
BOZ IP	11 05 20.1
RCD E(P)	11 05 30.0
MAY 2	
H-10 55 48.9	
8.3S 074.1W	
h ABOUT 160KM	
SJG EP	11 01 21.5
ALQ IP	11 04 49.0
I	05 14.0
BOZ IP	11 06 03.2
EsP	06 57.5
BMO EP	11 06 17.5
COL IP C	11 08 34.5
IsP	09 15.5

Date and Station	Phase (GCT)
	h m s
MAY 2	
H-11 23 58.7	
06.2S 149.9E	
h ABOUT 65KM	
COL EP	11 36 24.0
MAY 2	
H-12 07 54.4	
22.2S 179.5W	
h ABOUT 532KM	
EUR EP	12 19 36.1
BMO E(P)	12 19 46.5
COL EP	12 19 57.0
BOZ EP	12 20 03.5
E	21 26.5
MAY 2	
ALQ EP	12 34 55.5
MAY 2	
H-13 55 03.3	
38.0N 042.6E	
h ABOUT 52KM	
COL EP	14 06 53.0
BMO E(P)	14 08 26.4
EsP	08 52.4
MAY 2	
FGU EP	14 16 12.0
E	16 18.0
IS	16 37.5
IL	16 39.0
MAY 2	
BMO E(P)	14 40 03.0
MAY 2	
GCA IP C	14 59 30.7
IS	59 42.5
MAY 2	
TUC EPN	15 11 22.2
BCN EP	15 11 38.5
EL	13 06.6
GCA EP	15 12 03.5
IL	13 45.5
ALQ EP	15 12 28.5
I	13 03.5
IS	14 45.0
EUR E(P)	15 12 32.3
I	12 48.0
EL	15 07.5
FGU E(P)	15 13 09.6
EL	15 54.0
SLC E(P)	15 13 09.9
BMO EP	15 14 00.4
E	14 10.5
BOZ EP	15 14 09.0

Date and Station	Phase (GCT)
	h m s
HHM EP	15 14 26.9
E	14 36.4
COL EP	15 18 06.0
MAY 2	
EUR IP	15 59 54.0
MAY 2	
BUT E(P)	16 12 03.3
MAY 2	
H-16 39 43.6	
08.4S 115.1E	
h ABOUT 93KM	
GUA IP	16 46 44.0
BRW EP	16 53 07.7
E	56 27.9
BMO IP'	16 58 28.4
E	17 01 30.4
SLD IP'	16 58 30.3
HHM IP'	16 58 30.6
EUR IP'	16 58 35.8
BOZ IP'C	16 58 36.0
BCN EP'	16 58 36.0
ALQ IP'	16 58 37.4
I	58 52.4
ISKP	17 02 12.8
E	02 52.0
FGU EP'	16 58 43.2
E	59 05.8
E	17 01 55.0
GCA EP'	16 58 44.5
TUC EP'	16 58 49.4
ESKP	17 02 04.6
E	02 44.0
MAY 2	
BUT E(P)	17 47 47.3
E	48 19.3
MAY 2	
BMO EP	18 47 04.8
E	47 24.2
MAY 2	
EUR IP	19 47 48.1
MAY 2	
ALQ IP	20 36 45.4
I	37 15.0
MAY 2	
H-21 17 20.5	
03.3S 134.1E	
h ABOUT 33KM	
COL EP	21 30 07.0

Date and Station	Phase (GCT)
	h m s
MAY 2	
H-21 28 51.1	
17.0S 069.6W	
h ABOUT 179KM	
BMO EP	21 40 17.2
MAY 2	
COL EP	21 32 50.0
MAY 2	
H-21 34 00.0	
16.8S 068.9W	
h ABOUT 139KM	
BOZ EP	21 45 18.5
BMO EP	21 45 31.2
EsP	46 16.0
HHM E(P)	21 45 34.2
MAY 2	
EUR IP	21 49 18.9
MAY 2	
HHM E(P)	21 54 21.4
MAY 2	
EUR IP	23 11 15.9
MAY 2	
H-23 12 24.1	
38.0N 042.5E	
h ABOUT 51KM	
BRW E(P)	23 23 33.0
COL IP	23 24 14.1
HHM EP	23 25 29.4
BMO E(P)	23 25 51.0
MAY 2	
H-23 21 25.4	
51.8N 175.3E	
h ABOUT 38KM	
COL EP	23 26 28.0
BRW IP D	23 26 30.6
IsP	26 39.1
HHM EP	29 29.0
E	29 43.1
BMO E(P)	23 29 30.9
E	29 58.4
BOZ EP	23 29 51.0
EUR IP	23 30 01.9
MAY 2	
H-23 39 07.6	
19.0N 069.3W	
h ABOUT 142KM	
SJG IP	23 39 57.4
IL	40 35.7

Date and Station	Phase (GCT)
	h m s
MAY 3	
ALQ IP	00 05 11.8
I	05 22.0
MAY 3	
COL IP	00 15 12.4
MAY 3	
COL EP	00 54 02.0
MAY 3	
H-01 15 58.1	
10.5S 161.6E	
h ABOUT 72KM	
COL EP	01 28 20.0
BRW EP	01 28 33.8
EUR IP D	01 28 55.2
I	29 19.0
BMO EP	01 28 55.8
TUC E(P)	01 29 08.0
ALQ EP	01 29 25.3
MAY 3	
TUC EP	02 29 00.8
E(S)	29 52.5
GCA E(P)	02 29 51.5
EL	31 20.5
ALQ IP	02 30 13.6
EUR E(P)	02 30 17.6
E	30 24.5
EL	32 48.0
MAY 3	
H-02 52 09.3	
51.5N 178.6W	
h ABOUT 33KM	
COL EP	02 56 50.0
E	56 53.5
BRW EP	02 57 07.5
ES	03 01 02.4
BMO EP	02 59 45.5
E(PP)	03 00 58.0
HHM EP	02 59 46.0
EsP	03 00 00.3
BOZ IP	03 00 10.0
IpP	00 19.2
EUR IP C	03 00 17.2
E	01 31.5
FGU EP	03 00 41.0
ALQ IP	03 01 24.0
MAY 3	
SLD E(P)	03 12 45.5
EL	13 27.2
EUR EP	03 13 35.5

Date and Station	Phase (GCT)
	h m s
MAY 3	
BOZ EP	03 16 35.5
MAY 3	
COL EP	03 29 13.0
MAY 3	
BCN IP	03 31 19.7
IS	31 25.4
EUR E(P)	03 32 10.3
MAY 3	
TUC E(P)	03 40 08.6
MAY 3	
EUR E(P)	04 03 28.9
TUC EP	04 03 29.7
BMO E(P)	04 03 39.7
ALQ E(P)	04 03 44.0
COL IP	04 03 51.3
BOZ EP	04 03 57.5
MAY 3	
TUC E(P)	04 21 19.5
MAY 3	
H-05 28 11.1	
31.5N 113.8W	
h ABOUT 33KM	
TUC EP	05 28 52.0
EL	29 42.0
GCA EP	05 29 37.2
IL	31 14.8
ALQ IP	05 29 55.5
I	30 31.0
EUR EP	05 30 08.7
I	30 16.9
IL	32 29.0
FGU E(P)	05 30 42.8
EL	33 31.2
BMO E(P)	05 31 34.4
BOZ E(P)	05 31 41.0
MAY 3	
HHM E(P)	05 31 20.8
E	32 20.5
MAY 3	
GCA E(P)	05 41 36.3
IL	42 25.3
MAY 3	
TUC E(P)	05 49 56.0
MAY 3	
TUC E(P)	06 52 51.0
MAY 3	
FGU EP	06 59 27.2
I	59 29.9

Date and Station	Phase (GCT)
	h m s
MAY 3	
BOZ EP	07 41 32.0
MAY 3	
FGU E(P)	07 49 43.3
E	50 13.1
MAY 3	
TUC E(P)	07 54 49.5
MAY 3	
GCA EP	07 58 22.0
E	58 30.2
MAY 3	
H-08 16 54.8	
31.3N 114.1W	
h ABOUT 33KM	
TUC E(P)	08 17 41.5
EL	18 32.0
GCA E(P)	08 18 24.0
IL	20 02.5
ALQ IP	08 18 44.0
I	19 20.0
EUR EP	08 18 56.2
I	19 05.5
IL	21 24.5
FGU E(P)	08 19 39.5
EL	22 20.0
BOZ E(P)	08 20 26.0
BMO E(P)	08 20 27.3
MAY 3	
EUR IP	11 35 02.5
MAY 3	
H-12 06 55.8	
51.6N 176.7W	
h ABOUT 33KM	
COL EP	12 11 26.0
BRW EP C	12 11 47.9
ES	15 46.5
HHM IP	12 14 23.8
EpP	14 32.8
E(PCP)	16 31.6
BMO E(P)	12 14 33.6
BOZ IP	12 14 47.0
I	14 51.5
EUR IP	12 14 54.5
FGU EP	12 15 19.0
EPCP	16 54.3
RCD E(P)	12 15 33.4
ALQ IP	12 16 02.0
MAY 3	
EUR IP	12 18 54.7

Date and Station	Phase (GCT)
	h m s
MAY 3	
COL EP	12 19 16.0
MAY 3	
BMO E(P)	12 23 39.5
MAY 3	
EUR EP	12 40 05.2
MAY 3	
H-12 45 30.3	
15.9N 092.9W	
h ABOUT 53KM	
ALQ EP C	12 50 28.8
E	50 33.5
TUC E(P)	12 50 35.7
EsP	50 56.0
BCN EP	12 51 19.8
FGU EP	12 51 26.2
EUR IP	12 51 46.0
BOZ EP	12 52 08.0
BMO EP	12 52 23.7
E	52 53.2
HHM E(P)	12 52 35.3
COL IP	12 55 40.0
MAY 3	
BRW EP	13 14 44.9
MAY 3	
GCA E(P)	13 33 17.2
I	33 24.0
IS	34 03.5
IL	34 08.5
MAY 3	
BRW E(P)	13 58 40.6
MAY 3	
COL EP	14 25 50.0
MAY 3	
H-14 36 44.4	
81.9N 004.3W	
h ABOUT 33KM	
BMO EP	14 45 31.2
E	45 49.4
MAY 3	
SJG IP C	15 19 31.8
IS	19 47.0
MAY 3	
BUT IP	16 27 03.6
BOZ IP	16 27 18.5
IL	27 28.0
HHM E(P)	16 27 49.8
EL	28 23.3

Date and Station	Phase (GCT)
	h m s
MAY 3	
COL EP	16 33 46.0
MAY 3	
COL IP	16 50 40.8
BMO E(P)	16 53 20.8
MAY 3	
BOZ IP	16 55 54.1
IL	56 04.0
MAY 3	
HHM EP	16 56 25.3
EL	57 01.3
MAY 3	
EUR IP	17 29 20.8
MAY 3	
BOZ IP	17 40 53.5
IL	41 01.5
HHM EP	17 41 25.8
EL	42 00.3
MAY 3	
EUR E(P)	18 24 33.6
BOZ IP	18 26 11.5
IL	26 20.0
HHM E(P)	18 26 41.8
E	27 24.8
MAY 3	
SLD I(P)	18 36 05.5
IL	36 33.0
MAY 3	
EUR IP	18 36 20.3
MAY 3	
H-18 43 33.7	
10.9N 141.8E	
h ABOUT 35KM	
GUA IP	18 44 34.0
IS	45 15.0
BRW E(P)	18 54 56.1
COL E(P)	18 55 01.0
BMO EP	18 56 31.0
E	56 39.7
HHM E(P)	18 56 44.3
MAY 3	
ALQ IP	19 06 33.5
MAY 3	
TUC E(P)	19 38 02.2
MAY 3	
EUR IP	22 12 37.1
MAY 3	
TUC EP	22 35 17.0

Date and Station	Phase (GCT)
	h m s
MAY 3	
H-22 49 53.5	
51.7N 176.3E	
h ABOUT 29KM	
COL EP	22 54 52.0
BRW EP D	22 54 58.7
BMO E(P)	22 57 54.0
E	58 32.2
EPCP	59 46.2
MAY 3	
FGU EP	22 58 11.5
E	58 15.7
EL	58 35.5
MAY 3	
BHP EP C	23 42 02.5
MAY 3	
COL IP	23 45 59.6
MAY 4	
H-00 17 57.2	
39.5N 120.3W	
h ABOUT 4KM	
SLD E(P)	00 18 39.7
IL	19 12.2
EUR IP	00 18 52.2
MAY 4	
H-00 25 11.5	
19.1N 107.8W	
h ABOUT 33KM	
ALQ E(P)	00 28 58.0
GCA E(P)	00 29 20.8
EUR EP	00 30 00.4
MAY 4	
COL EP	00 35 35.0
MAY 4	
COL EP	00 45 24.1
MAY 4	
TUC E(P)	01 10 25.0
MAY 4	
TUC E(P)	01 14 54.0
MAY 4	
EUR EP	01 26 07.4
MAY 4	
H-01 48 56.4	
36.7N 137.6E	
h ABOUT 103KM	
BRW E(P)	01 57 25.0
COL E(P)	01 57 53.0
BMO IP	02 00 23.9
EPCP	00 36.3
BOZ EP	02 00 39.8

Date and Station	Phase (GCT)
	h m s
EUR EP	02 00 47.4
MAY 4	
BRW EP	02 41 21.8
MAY 4	
COL EP	03 42 45.2
MAY 4	
ALQ IP	05 41 11.6
IL	41 40.0
FGU E(P)	05 41 56.2
TUC E(P)	05 42 11.0
EUR EP	05 42 30.8
MAY 4	
ALQ EP	06 28 37.0
MAY 4	
SLD IP D	06 32 54.3
IS	33 01.5
MAY 4	
EUR IP	06 34 20.5
MAY 4	
EUR E(P)	06 34 20.5
I	35 25.4
MAY 4	
H-06 36 59.2	
39.0N 021.5E	
h ABOUT 34KM	
BRW EP	06 48 14.0
COL EP	06 48 47.0
RCD E(P)	06 49 26.0
HHM EP	06 49 31.2
EsP	49 41.8
BOZ EP	06 49 39.5
BMO EP	06 49 50.3
EsP	50 05.2
FGU E(P)	06 49 53.5
ALQ EP	06 50 08.0
EUR IP	06 50 12.0
MAY 4	
H-07 09 36.9	
51.3N 170.4W	
h ABOUT 33KM	
COL EP	07 13 44.5
E	13 47.5
BRW IP D	07 14 23.8
BOZ EP	07 16 57.0
EUR EP	07 17 03.7
E	19 10.5

Date and Station	Phase (GCT)
	h m s
MAY 4	
H-07 38 55.1	
38.9N 21.5E	
h ABOUT 20KM	
BRW E(P)	07 49 54.5
BOZ EP	07 51 36.0
BMO EP	07 51 48.7
MAY 4	
H-07 46 40.5	
15.4S 174.9W	
h ABOUT 233KM	
EUR EP	07 58 12.0
E(pP)	59 10.8
TUC EP	07 58 12.8
E(pP)	59 15.3
BMO IP	07 58 22.9
EpP	59 19.8
ALQ IP	07 58 36.2
COL E(P)	07 58 38.0
FGU EP C	07 58 38.5
HHM EP	07 58 40.7
E	59 00.8
BOZ EP	07 58 43.1
E(pP)	59 45.5
MAY 4	
BRW EP	07 57 25.5
MAY 4	
H-08 51 31.6	
61.8N 027.4W	
h ABOUT 33KM	
COL EP	08 59 57.0
BOZ EP	09 00 15.0
BMO EP	09 00 36.7
EUR EP	09 01 07.0
MAY 4	
COL EP	10 29 22.5
BMO E(P)	10 30 04.0
MAY 4	
H-10 45 40.0	
17.1S 172.8W	
h ABOUT 33KM	
TUC EP	10 57 31.7
EUR IP	10 57 34.9
BMO EP	10 57 45.8
E	58 02.0
ALQ IP	10 57 56.6
HHM E(P)	10 58 05.8

Date and Station	Phase	(GCT) h m s
BOZ	EP	10 58 07.0
COL	IP	10 58 09.0
MAY 4		
EUR	E(P)	11 41 50.5
MAY 4		
H-13 11 02.0		
50.9N 175.1W		
h ABOUT 33KM		
COL	EP	13 15 34.0
BRW	EP	13 15 56.2
EUR	EP	13 18 53.3
MAY 4		
TUC	EP	13 26 25.2
ALQ	EP	13 26 40.0
BCN	EP	13 27 06.4
EUR	IP	13 27 36.2
BMO	E(P)	13 28 12.8
	E	28 25.9
BOZ	EP	13 28 13.6
HHM	IP	13 28 36.7
	I	28 44.2
COL	EP	13 31 19.0
MAY 4		
H-13 32 17.0		
37.2N 116.0W		
h ABOUT 0KM		
BCN	IP C	13 32 46.0
	IS	33 09.7
EUR	IP	13 32 57.2
SLD	I(P)	13 33 25.0
	I	33 32.0
	IL	34 28.0
TUC	E(P)	13 33 55.8
FGU	EP	13 33 57.5
	EL	35 41.0
BMO	EP	13 34 15.0
	E	34 43.2
ALQ	IP	13 34 17.5
	I	34 50.0
BOZ	E(P)	13 34 35.0
MAY 4		
ALQ	EP	13 45 33.0
MAY 4		
EUR	IP	15 34 38.2
MAY 4		
BHP	IP D	16 16 02.5
MAY 4		
ALQ	IP	16 27 30.4
	I	28 06.5
MAY 4		
H-16 53 17.5		
62.6S 155.1E		
h ABOUT 33KM		
BMO	EP'	17 12 18.2
BOZ	EP'	17 12 28.0
MAY 4		
SJG	IP	17 34 08.5
	IL	34 39.0
MAY 4		
BUT	EP	18 06 21.8
MAY 4		
H-18 13 55.7		
12.5N 087.7W		
h ABOUT 68KM		
BHP	IP	18 16 02.5
SJG	EP	18 18 42.0
CSC	EP	18 18 50.0
	E	19 09.0
ALQ	EP	18 19 44.2
	E	19 57.5
TUC	EP	18 19 49.4
	E	19 57.0
GCA	EP	18 20 23.0
BCN	EP	18 20 35.3
	EPCP	23 12.0
FGU	IP	18 20 36.2
	IpP	20 53.5
EUR	IP	18 20 59.0
	E	27 01.1
SLD	EP	18 21 15.5
	EPCP	23 26.5
	ES	27 11.5
BOZ	IP D	18 21 16.1
	IpP	21 38.5
	E	27 08 .0
BMO	EP	18 21 32.2
	E	21 47.9
	E	27 17 .0
HHM	EP	18 21 41.2
	EpP	22 00.7
	E	27 17.7
COL	IP	18 24 36.8
MAY 4		
TUC	EP	18 22 58.0
COL	EP	18 27 04.8
MAY 4		
ALQ	EP	18 26 31.0
TUC	E(P)	18 26 34.0
MAY 4		
BHP	IP	19 01 39.5
MAY 4		
HHM	E(P)	19 26 46.3
MAY 4		
ALQ	EP	19 45 43.0
MAY 4		
H-20 19 04.6		
16.2S 173.4W		
h ABOUT 113KM		
TUC	EP	20 30 46.4
	EsP	31 21.5
EUR	IP	20 30 47.1
GCA	EP	20 30 56.5
	E	32 04.0
BMO	IP	20 30 58.7
	E	31 31.8
FGU	EP	20 31 13.5
COL	EP	20 31 17.0
	E	34 04.0
HHM	EP	20 31 17.7
	E	32 16.7
BOZ	EP	20 31 18.5
	E	32 40.5
MAY 4		
H-20 25 36.3		
53.5N 168.3W		
h ABOUT 43KM		
COL	IP	20 29 12.9
BRW	EP	20 29 51.0
EUR	EP	20 32 51.2
MAY 4		
H-20 38 42.4		
53.6N 167.8W		
h ABOUT 47KM		
COL	EP	20 42 15.0
BRW	EP	20 42 55.3
HHM	EP	20 45 20.0
BOZ	EP	20 45 44.0
MAY 4		
EUR	E(P)	20 44 28.0
MAY 4		
BOZ	IP	21 28 45.0
	IL	28 49.7
HHM	E(P)	21 29 31.1
	E	30 11.2
MAY 4		
H-21 48 59.1		
37.7N 027.8E		
h ABOUT 19KM		
BRW	E(P)	22 00 17.0
	EPP	02 52.0
COL	EP	22 00 56.0
HHM	EP	22 01 47.7
BOZ	EP	22 01 56.0
BMO	EP	22 02 06.0
	E	02 34.2
MAY 4		
EUR	IP	21 53 21.9
MAY 4		
TUC	EP	22 28 09.5
	ES	28 29.5
MAY 4		
ALQ	IP	22 55 12.8
	I	55 36.0
MAY 4		
BHP	EP	23 42 02.5
MAY 5		
BOZ	IP	00 13 54.0
	IL	14 06.0
BUT	EP	00 14 03.8
	IL	14 28.5
MAY 5		
H-00 22 29.1		
53.4N 168.6W		
h ABOUT 33KM		
COL	EP	00 26 08.0
	E	31 03.0
BMO	EP	00 29 11.1
	E	30 18.4
HHM	EP	00 29 11.6
	E	29 21.1
	E	31 54.3
BOZ	EP	00 29 36.1
EUR	IP C	00 29 46.2
FGU	EP	00 30 10.0
TUC	EP	00 30 50.5
ALQ	IP	00 30 55.6
	I	32 35.2
MAY 5		
H-00 23 30.7		
52.7N 169.7W		
h ABOUT 33KM		
COL	EP	00 27 22.5
HHM	EP	00 30 19.5
	EPCP	32 59.5

Date and Station	Phase (GCT)
	h m s
BOZ EP	00 30 43.5
EUR EP	00 30 52.9
FGU EP	00 31 17.5
TUC EP	00 31 58.7
ALQ EP	00 32 03.0
E	33 40.0
MAY 5	
GCA E(P)	00 37 53.5
I	37 55.0
IL	38 22.3
MAY 5	
COL E(P)	00 55 16.3
MAY 5	
BMO E(P)	01 12 28.7
E	12 40.4
MAY 5	
COL IP	01 12 50.4
MAY 5	
BRW IP	01 26 48.0
MAY 5	
BRW IP	01 28 00.1
MAY 5	
COL EP	01 52 08.0
MAY 5	
H-02 14 08.0	
.1N 123.8E	
h ABOUT 194KM	
BRW EP	02 26 32.3
EUR IP'	02 32 26.6
ALQ IP'	02 32 43.5
MAY 5	
BOZ E(P)	02 30 10.5
MAY 5	
EUR IP	02 41 05.9
MAY 5	
TUC E(P)	03 13 03.5
MAY 5	
SJG IP	03 26 19.0
IS	26 28.3
MAY 5	
GCA IP	03 33 08.2
IS	33 16.8
EUR IP	03 34 01.5
MAY 5	
TUC E(P)	03 34 21.2
ALQ IP	03 34 25.0
MAY 5	
EUR EP	04 43 10.0

Date and Station	Phase (GCT)
	h m s
MAY 5	
EUR E(P)	05 20 46.2
E	20 50.9
MAY 5	
H-05 42 49.4	
10.1S 161.1E	
h ABOUT 33KM	
COL IP	05 55 15.2
EUR IP	05 55 51.8
BMO EP	05 55 52.2
BOZ EP	05 56 11.5
MAY 5	
GCA IP	06 15 33.7
IS	15 42.0
MAY 5	
H-06 16 42.7	
51.5N 176.6E	
h ABOUT 33KM	
COL IP	06 21 42.6
BMO EP	06 24 43.6
BOZ EP	06 25 03.5
EUR IP	06 25 13.7
TUC E(P)	06 26 10.0
ALQ EP	06 26 19.0
MAY 5	
FGU EP	06 17 44.7
MAY 5	
BMO E(P)	06 33 22.1
COL EP	06 34 05.0
MAY 5	
H-06 35 03.1	
51.2N 176.0E	
h ABOUT 33KM	
COL IP	06 40 07.0
BMO EP	06 43 07.2
BOZ E(P)	06 43 24.0
EUR IP	06 43 37.0
MAY 5	
H-06 35 15.4	
04.5N 126.2E	
h ABOUT 88KM	
BRW IP	06 47 26.0
MAY 5	
H-06 39 08.9	
51.5N 176.7E	
h ABOUT 50KM	
COL EP	06 44 06.0

Date and Station	Phase (GCT)
	h m s
BRW EP	06 44 11.6
EsP	44 33.7
HHM EP	06 47 03.6
E	47 21.4
BMO EP	06 47 06.2
EsP	47 18.7
SLD EP	06 47 24.8
BOZ EP	06 47 28.0
EUR IP C	06 47 38.0
I	47 54.1
TUC IP	06 48 36.6
ALQ IP	06 48 43.4
MAY 5	
SLC E(P)	06 47 33.4
E	48 02.1
MAY 5	
COL IP	07 38 54.9
MAY 5	
COL IP	07 38 54.9
MAY 5	
H-07 39 58.2	
53.4N 168.0W	
h ABOUT 33KM	
COL IP	07 43 34.7
BRW EP	07 44 15.4
BOZ EP	07 47 02.5
EUR IP	07 47 12.0
MAY 5	
EUR EP	07 48 39.0
MAY 5	
H-07 51 15.6	
53.5N 168.2W	
h ABOUT 33KM	
COL EP	07 54 52.0
BRW EP	07 55 32.2
EUR EP	07 58 29.6
MAY 5	
BRW E(P)	08 04 12.2
MAY 5	
SJG IP D	10 43 21.4
IS	43 31.0
MAY 5	
COL IP	11 33 36.0
MAY 5	
COL EP	11 43 31.0
MAY 5	
EUR E(P)	11 53 44.9
BMO E(P)	11 54 21.7

Date and Station	Phase (GCT)
	h m s
COL EP	11 59 45.0
MAY 5	
BMO E(P)	12 32 44.6
MAY 5	
GUA IP	12 43 50.0
IS	44 01.0
MAY 5	
BMO I(P)	13 42 17.5
MAY 5	
H-14 00 00.0	
37.0N 116.0W	
h ABOUT 0KM	
BCN EP	14 00 27.0
I	00 48.0
EUR IP	14 00 41.6
GCA EP	14 00 57.0
SLC EP	14 01 19.3
E	01 34.3
TUC EP	14 01 37.0
EL	03 26.0
FGU IP	14 01 40.3
IL	03 22.0
BMO EPN	14 01 59.0
ALQ IP	14 02 00.0
I	02 29.0
BOZ EP	14 02 20.0
E	02 47.5
BUT E(P)	14 02 28.8
HHM E(P)	14 02 48.1
E	03 02.6
EL	06 09.1
COL IP	14 06 44.7
MAY 5	
COL EP	14 14 55.0
BRW E(P)	14 15 37.0
BOZ EP	14 18 21.5
MAY 5	
H-14 21 23.1	
24.4N 122.5E	
h ABOUT 66KM	
GUA IP	14 26 29.0
ES	30 42.0
BRW IP D	14 31 54.0
I	31 57.5
COL EP	14 32 16.0
ESCS	42 12.1
KIP EP	14 32 45.6
HON E(P)	14 32 52.1
IS	42 13.3

Date and Station	Phase	(GCT)
		h m s
SIT	IP	14 33 07.0
HHM	IP C	14 34 25.6
	I	34 28.3
	ISKS	44 59.5
	ES	45 29.1
	EPKKP	51 43.1
BMO	EP	14 34 27.2
	E	34 30.9
BUT	IP	14 34 35.8
BOZ	EP	14 34 38.0
	I	34 42.5
	EPP	38 22.0
	ESKS	44 52.0
	EPKKP	51 16.0
FGU	EP	14 35 01.9
	ESKS	45 32.5
	E	45 56.0
MAY 5		
EUR	IP	14 28 14.2
MAY 5		
EUR	IP	14 30 38.5
TUC	E(P)	14 31 14.2
FGU	EP	14 31 47.6
BMO	E(P)	14 31 58.2
	E	32 07.3
	E	33 18.0
ALQ	IP	14 32 25.0
MAY 5		
TUC	E(P)	14 39 32.5
MAY 5		
COL	EP	15 00 27.0
BRW	EP	15 00 42.4
MAY 5		
H-15 16 31.8		
61.5N 027.3W		
h ABOUT 33KM		
BRW	EP	15 24 30.0
COL	IP	15 24 57.0
HHM	EP	15 25 07.1
BOZ	EP	15 25 16.0
FGU	EP	15 25 35.5
BMO	IP	15 25 38.4
	E	25 53.8
ALQ	IP	15 26 02.0
EUR	IP	15 26 07.0
TUC	EP	15 26 31.2

Date and Station	Phase	(GCT)
		h m s
MAY 5		
H-15 23 35.6		
21.7S 179.3W		
h ABOUT 603KM		
BMO	E(P)	15 34 18.4
	E	34 29.5
TUC	EP	15 35 09.2
COL	EP	15 35 30.0
ALQ	EP	15 35 30.0
FGU	EP	15 35 33.0
MAY 5		
H-15 25 12.5		
61.5N 027.4W		
h ABOUT 33KM		
BRW	EP	15 33 09.5
COL	IP	15 33 37.4
HHM	EP	15 33 47.1
BOZ	EP	15 33 55.7
ALQ	EP	15 34 41.8
EUR	IP	15 34 48.0
MAY 5		
COL	EP	15 40 05.0
MAY 5		
H-15 52 40.8		
61.5N 027.4W		
h ABOUT 33KM		
BRW	EP	16 00 38.4
BMO	E(P)	16 00 44.2
COL	IP	16 01 05.9
HHM	EP	16 01 16.1
	EPCP	02 45.6
BOZ	EP	16 01 24.5
FGU	EP	16 01 43.6
BMO	EP	16 01 46.7
	E	02 11.6
ALQ	EP	16 02 10.0
	EsP	02 21.0
EUR	IP	16 02 16.0
TUC	EP	16 02 40.0
MAY 5		
BHP	IP	16 16 02.5
MAY 5		
BMO	E(P)	16 27 38.2
MAY 5		
GUA	IP	16 29 30.0
	IS	29 41.0

Date and Station	Phase	(GCT)
		h m s
MAY 5		
SLD	IP D	16 34 46.3
	ES	34 54.5
MAY 5		
BMO	EP	16 51 14.7
MAY 5		
BOZ	IP	16 51 58.7
	IL	52 16.0
MAY 5		
BHP	IP	17 01 39.5
MAY 5		
TUC	E(P)	17 28 04.5
MAY 5		
BHP	IP D	17 43 09.5
	S	43 23.0
MAY 5		
EUR	IP	18 53 39.0
MAY 5		
ALQ	E(P)	19 00 48.0
MAY 5		
FGU	IP C	19 10 08.8
	IS	10 13.8
MAY 5		
BMO	EPG	19 15 39.5
	E(S)	15 59.2
MAY 5		
BOZ	E(P)	19 17 20.0
MAY 5		
TUC	E(P)	19 25 42.9
MAY 5		
SLD	IP C	19 49 20.3
	IS	49 25.4
MAY 5		
FGU	IP C	20 15 27.8
	IS	15 32.8
MAY 5		
ALQ	IP	20 23 07.0
MAY 5		
H-20 39 39.4		
24.2N 122.7E		
h ABOUT 41KM		
BRW	E(P)	20 50 08.1
	EPCP	50 42.5
COL	IP	20 50 37.8
HHM	EP	20 52 46.6
	EsP	53 01.6
BMO	EP	20 52 48.3
MAY 5		
BRW	EP	21 35 57.0
MAY 5		
EUR	IP	21 49 42.5

Date and Station	Phase	(GCT)
		h m s
MAY 5		
BMO	E(P)	21 54 00.5
MAY 5		
SLD	EP	22 30 08.0
	ES	30 20.7
MAY 5		
EUR	IP	22 32 00.8
MAY 5		
H-22 57 08.4		
21.2S 033.3E		
h ABOUT 33KM		
BMO	EP'	23 16 50.9
TUC	EP'	23 16 51.6
MAY 5		
HHM	E(P)	22 57 26.1
	E	57 50.6
MAY 5		
BMO	E(P)	23 15 08.9
MAY 5		
COL	EP	23 15 59.3
MAY 6		
H-00 08 23.9		
22.1N 093.2E		
h ABOUT 43KM		
COL	E(P)	00 20 46.0
MAY 6		
HHM	EP	00 19 28.2
BMO	EP	00 19 29.8
BOZ	EP	00 19 41.9
MAY 6		
H-00 25 58.7		
37.0N 115.4E		
h ABOUT 33KM		
BRW	EP	00 35 27.4
COL	IP	00 36 04.0
BMO	EP	00 38 37.3
MAY 6		
COL	EP	01 52 04.0
MAY 6		
H-02 09 02.5		
36.8N 137.8E		
h ABOUT 33KM		
BRW	EP	02 17 37.9
BMO	EP	02 20 38.9
BOZ	EP	02 20 52.0
MAY 6		
H-02 36 53.1		
15.8S 034.6E		
h ABOUT 13KM		

Date and Station	Phase (GCT)
	h m s
BRW IP'D	02 55 53.7
I	55 59.8
EPP	57 37.0
FGU EP'	02 56 15.5
ALQ IP'	02 56 19.0
HHM EP'	02 56 21.7
E	56 27.7
BOZ EP'	02 56 23.0
I	56 29.0
BMO EP'	02 56 25.1
GCA EP'	02 56 27.5
TUC EP'	02 56 31.9
E	56 38.0
EUR IP'D	02 56 33.8
I	56 37.7
E	03 00 18.7
MAY 6	
BRW EP	02 52 37.7
COL IP	02 53 15.1
E	56 05.0
BMO EP	02 55 48.9
MAY 6	
H-02 59 23.4	
21.8S 179.5W	
h ABOUT 631KM	
HHM E(P)	03 11 23.1
E	11 52.6
MAY 6	
BMO EP	03 11 27.9
MAY 6	
H-03 52 53.4	
23.8N 122.9E	
h ABOUT 52KM	
BRW IP D	04 03 27.2
COL IP	04 03 50.0
HHM E(P)	04 06 00.1
E	06 08.5
BMO EP	04 06 01.0
BOZ EP	04 06 13.0
MAY 6	
TUC E(P)	04 14 28.0
MAY 6	
BRW EP	05 54 45.0
COL IP	05 55 22.5
MAY 6	
GUA IP	06 09 22.0
MAY 6	
COL IP	06 33 53.8

Date and Station	Phase (GCT)
	h m s
MAY 6	
H-07 00 32.9	
02.9S 122.3E	
h ABOUT 79KM	
BRW E(P)	07 13 24.7
EUR EP'	07 19 10.7
BOZ EP'	07 19 11.6
ALQ IP'	07 19 27.8
MAY 6	
H-07 14 15.2	
25.0S 179.5E	
h ABOUT 508KM	
TUC EP	07 26 10.5
E▸P	28 02.5
EUR IP C	07 26 11.5
E	26 33.5
BMO EP	07 26 21.6
ALQ IP	07 26 30.0
I▸P	28 28.0
BOZ EP	07 26 33.5
E▸P	28 33.5
COL EP	07 26 33.0
FGU EP	07 26 34.2
E▸P	28 29.0
MAY 6	
COL IP	08 46 30.0
MAY 6	
H-08 57 31.3	
32.2S 069.3W	
h ABOUT 114KM	
ALQ IP	09 09 03.5
FGU EP	09 09 38.1
E▸P	10 07.8
EUR IP	09 09 48.0
BOZ EP	09 10 01.5
E▸P	10 31.0
BMO EP	09 10 10.5
E▸P	10 40.3
MAY 6	
H-09 10 43.8	
53.1N 168.5W	
h ABOUT 33KM	
COL EP	09 14 26.0
BRW EP	09 15 05.6
HHM E(P)	09 17 28.5
BOZ EP	09 17 50.5
EUR IP	09 18 01.0

Date and Station	Phase (GCT)
	h m s
MAY 6	
H-09 47 06.8	
03.9N 078.2W	
h ABOUT 34KM	
ALQ IP	09 54 44.5
FGU EP	09 55 33.6
E	55 37.8
BOZ E(P)	09 56 06.5
HHM E(P)	09 56 32.1
MAY 6	
H-10 04 57.9	
43.5N 146.2E	
h ABOUT 33KM	
BRW EP	10 12 23.0
E	10 14 40.7
COL EP	10 12 44.0
BOZ EP	10 15 53.0
E	17 51.0
EUR E(P)	10 16 02.4
MAY 6	
H-10 08 30.0	
37.0N 137.7E	
h ABOUT 139KM	
BRW EP D	10 16 54.0
COL EP	10 17 16.0
HHM EP	10 19 49.5
BMO EP	10 19 52.2
E	20 01.6
EUR IP	10 20 15.8
FGU EP	10 20 32.0
TUC E(P)	10 20 56.0
ALQ IP	10 21 01.8
MAY 6	
BRW EP	11 01 25.1
MAY 6	
SJG IP C	11 03 55.0
IS	04 03.0
MAY 6	
H-11 14 28.9	
29.4N 131.0E	
h ABOUT 33KM	
BRW E(P)	11 24 11.1
HHM E(P)	11 26 52.9
E▸P	27 04.2
BMO EP	11 26 54.7
E▸P	27 06.0
BOZ EP	11 27 09.0

Date and Station	Phase (GCT)
	h m s
FGU EP	11 27 29.5
E▸P	27 40.5
MAY 6	
BRW EP	11 40 27.6
MAY 6	
ALQ IP	11 46 15.0
MAY 6	
SJG IP	14 15 33.0
IL	16 23.0
MAY 6	
H-15 00 00.1	
37.4N 116.3W	
h ABOUT 0KM	
BCN IP	15 00 33.2
EUR IP	15 00 37.0
GCA IP C	15 01 01.0
SLD IP C	15 01 02.0
SLC IP	15 01 17.3
UKI E(P)	15 01 31.0
FGU IP C	15 01 40.0
I	02 04.0
TUC IP C	15 01 41.8
BMO EP	15 01 54.8
ALQ IP	15 02 03.4
I	02 33.0
BUT IP	15 02 15.1
I	02 48.1
BOZ IP	15 02 16.0
E	04 14.0
HHM IP	15 02 43.2
EL	05 53.2
RCD EP	15 02 54.0
E	03 14.0
COL IP	15 06 40.4
KIP EP	15 07 30.1
BRW EP C	15 07 35.6
SJG EP	15 08 40.0
MAY 6	
BRW EP	15 12 38.7
MAY 6	
EUR IP	15 42 59.2
MAY 6	
H-16 08 09.7	
18.1N 145.2E	
h ABOUT 328KM	
GUA IP	16 09 21.7
ES	10 16.0

Date and Station	Phase	Phase (GCT) h m s
BRW	EP	16 18 03.5
	EpP	19 15.8
COL	EP	16 18 09.2
SLD	EP D	16 19 56.0
BMO	EP	16 19 58.0
	EpP	21 15.2
HHM	IP	16 20 06.2
	EpP	21 20.4
EUR	IP	16 20 11.0
BOZ	IP	16 20 15.9
BCN	EP	16 20 22.1
FGU	EP	16 20 31.0
	EpP	21 48.5
	E	22 16.5
GCA	EP	16 20 31.5
TUC	EP	16 20 43.0
	E	22 02.0
ALQ	EP	16 20 51.6
MAY 6		
ALQ	EP	16 50 52.0
MAY 6		
H-17 27 37.4		
26.1S 028.0E		
h ABOUT 15KM		
BMO	EP'	17 47 21.6
MAY 6		
ALQ	IP	17 51 23.5
EUR	IP	17 51 55.5
MAY 6		
EUR	IP	18 20 23.9
MAY 6		
H-18 24 35.4		
24.9N 122.5E		
h ABOUT 79KM		
HHM	EP	18 37 35.7
BMO	EP	18 37 36.5
MAY 6		
SJG	IP	18 45 15.7
	IS	45 16.8
MAY 6		
COL	EP	18 48 35.0
MAY 6		
TUC	EP	18 55 05.0
MAY 6		
BRW	E(P)	19 34 17.9
MAY 6		
H-19 53 46.1		
19.5S 173.6W		
h ABOUT 102KM		
TUC	E(P)	20 05 40.5
EUR	IP	20 05 43.8
BMO	EP	20 05 55.9
	E	06 28.5
ALQ	EP	20 06 05.5
FGU	EP	20 06 10.5
BOZ	EP	20 06 15.0
COL	IP	20 06 16.8
BRW	EP	20 06 40.5
MAY 6		
ALQ	IP	20 17 55.5
	I	18 33.0
MAY 6		
ALQ	IP	20 37 39.4
MAY 6		
HHM	EP	20 39 48.4
	EL	40 21.2
MAY 6		
EUR	IP	21 44 29.3
MAY 6		
TUC	E(P)	21 51 39.8
MAY 6		
EUR	IP	22 22 27.1
MAY 6		
EUR	IP	22 23 39.2
MAY 6		
H-22 40 32.9		
29.3N 130.4E		
h ABOUT 52KM		
COL	EP	22 50 38.0
BMO	EP	22 52 58.5
FGU	EP	22 53 33.0
	E	53 44.0
MAY 6		
ALQ	EP	23 42 10.5
MAY 6		
BMO	IP	23 45 52.5
MAY 7		
BMO	E(P)	00 14 02.6
EUR	IP	00 14 34.2
MAY 7		
FGU	IP C	00 53 57.3
	IS	54 13.0
EUR	IP	00 55 12.0
MAY 7		
ALQ	EP	01 30 03.5
MAY 7		
H-02 19 34.0		
15.2S 068.8W		
h ABOUT 219KM		
BMO	E(P)	02 30 48.5
MAY 7		
H-03 26 45.3		
53.5N 167.5W		
h ABOUT 33KM		
COL	EP	03 30 18.0
BRW	IP C	03 31 00.8
BMO	EP	03 33 21.3
HHM	EP	03 33 23.3
BOZ	IP	03 33 46.5
MAY 7		
H-03 26 50.3		
31.5N 116.2W		
h ABOUT 33KM		
TUC	EP	03 27 57.8
	E(S)	29 02.0
BCN	IP	03 27 59.0
	IL	29 10.0
GCA	IP	03 28 27.5
SLD	E(P)	03 28 30.5
	I	28 36.5
EUR	IP	03 28 46.2
	I	28 53.5
	IL	30 53.2
ALQ	IP	03 28 57.5
	I	29 11.5
	IS	31 23.5
SLC	E(P)	03 29 00.0
	E	29 17.3
FGU	EP	03 29 26.7
BMO	EP	03 30 04.7
	E	30 24.3
BUT	E(P)	03 30 20.5
	E	30 42.5
BOZ	E(P)	03 30 23.2
	I	30 28.0
HHM	EP	03 30 50.2
MAY 7		
BCN	IP	03 27 08.0
	IL	29 25.5
MAY 7		
H-03 57 58.0		
49.7N 077.9E		
h ABOUT 0KM		
COL	IP	04 08 09.9
BOZ	EP	04 10 35.0
BMO	E(P)	04 10 35.2
FGU	EP	04 10 59.0
EUR	IP	04 11 02.6
MAY 7		
EUR	IP	04 58 19.6
MAY 7		
H-05 10 07.6		
22.1S 179.6E		
h ABOUT 599KM		
EUR	EP	05 21 46.1
TUC	E(P)	05 21 46.2
BMO	EP	05 21 55.3
FGU	EP	05 22 09.7
MAY 7		
COL	EP	06 08 56.0
MAY 7		
COL	EP	06 25 51.0
BOZ	EP	06 29 18.5
EUR	EP	06 29 28.1
MAY 7		
H-06 48 40.7		
5.2S 076.2W		
h ABOUT 101KM		
FGU	E(P)	06 58 04.5
BOZ	EP	06 58 36.9
MAY 7		
TUC	EP	06 53 22.5
	E	53 28.5
FGU	EP	06 54 06.0
MAY 7		
H-09 04 55.4		
51.1N 179.8E		
h ABOUT 70KM		
COL	IP	09 09 41.0
BRW	EP	09 09 53.4
BOZ	I(P)	09 12 00.0
BMO	EP	09 12 36.3
	EpP	12 52.5
HHM	EP	09 12 36.9
EUR	IP	09 13 08.0
FGU	EP	09 13 32.0
BCN	EP	09 13 34.3
TUC	E(P)	09 14 07.0
MAY 7		
COL	EP	09 05 36.0

Date and Station	Phase (GCT)
	h m s
BRW E(P)	09 06 16.4
EUR E(P)	09 09 13.0
MAY 7	
TUC E(P)	09 47 25.2
MAY 7	
H-09 48 02.7	
.7S 122.2E	
h ABOUT 39KM	
GUA E(P)	09 53 48.0
E(S)	58 22.0
BRW EP	10 00 47.8
COL EP	10 01 03.0
EUR EP'	10 06 39.5
EPKKP	17 22.8
BMO EP'	10 06 40.3
EPKKP	17 38.2
BOZ EP'	10 06 41.0
TUC EP'	10 06 52.5
ALQ IP'	10 06 57.0
MAY 7	
BCN EP	10 13 05.4
MAY 7	
COL EP	10 32 38.9
MAY 7	
H-11 08 53.0	
22.3S 177.0W	
h ABOUT 303KM	
TUC EP	11 20 50.0
BMO EP	11 21 00.3
COL IP	11 21 13.6
FGU EP	11 21 14.2
BOZ EP	11 21 19.1
MAY 7	
GCA IP C	11 16 17.4
IS	16 33.0
BCN E(P)	11 16 40.5
E	16 45.5
EL	17 22.0
EUR IP	11 16 43.8
FGU E(P)	11 16 58.2
EL	17 47.0
ALQ IP	11 17 02.4
MAY 7	
BMO EP	11 44 08.9
MAY 7	
COL IP	12 24 09.1

Date and Station	Phase (GCT)
	h m s
MAY 7	
H-13 08 15.8	
37.8N 027.9E	
h ABOUT 9KM	
BRW EP	13 19 36.6
COL IP	13 20 14.1
HHM EP	13 21 06.4
BOZ IP	13 21 14.0
BMO EP	13 21 24.0
E	21 51.0
TUC E(P)	13 22 04.2
MAY 7	
COL EP	13 58 40.0
BOZ EP	14 01 52.0
E	02 18.2
MAY 7	
BRW EP	15 05 09.3
BOZ EP	15 08 16.0
MAY 7	
BOZ EP	15 15 29.0
MAY 7	
BOZ E(P)	16 00 40.0
MAY 7	
EUR IP	16 15 18.0
MAY 7	
H-16 23 41.1	
04.7N 125.7E	
h ABOUT 47KM	
BRW IP D	16 35 56.5
COL IP	16 36 09.5
MAY 7	
EUR IP	16 46 23.2
MAY 7	
H-17 09 12.6	
53.5N 167.5W	
h ABOUT 33KM	
COL EP	17 12 45.0
BRW EP	17 13 26.8
BMO EP	17 15 49.1
HHM EP	17 15 49.5
BOZ IP	17 16 14.5
E	17 38.0
EUR IP	17 16 23.7
FGU E(P)	17 16 47.6
BCN EP	17 16 48.5
E	17 01.8
TUC EP	17 17 27.9

Date and Station	Phase (GCT)
	h m s
ALQ EP	17 17 33.5
I	19 10.4
MAY 7	
FGU E(P)	17 18 50.1
MAY 7	
HHM E(P)	17 25 28.5
EL	26 06.5
MAY 7	
SJG EP	17 36 44.0
IL	37 49.0
MAY 7	
SLD IP	17 44 57.4
IL	45 21.0
MAY 7	
BRW E(P)	18 27 21.7
MAY 7	
EUR IP	18 30 55.8
BCN E(P)	18 30 57.4
E	31 21.5
BMO E(P)	18 32 36.2
MAY 7	
H-18 28 19.2	
34.6N 070.7E	
h ABOUT 19KM	
COL EP	18 40 08.0
MAY 7	
BMO E(P)	18 55 40.9
E	55 51.2
MAY 7	
ALQ EP	19 14 13.8
MAY 7	
ALQ EP	19 47 35.0
MAY 7	
H-20 52 12.0	
37.3N 115.0E	
h ABOUT 33KM	
BRW EP	21 01 41.1
COL IP	21 02 16.6
BMO EP	21 04 50.7
E	05 08.3
MAY 7	
H-22 09 09.4	
42.2N 035.7E	
h ABOUT 32KM	
COL EP	22 20 45.0
BMO E(P)	22 22 08.5
E	22 19.0
E	22 53.7
MAY 7	
SJG EP	23 44 42.5
IL	45 15.2

Date and Station	Phase (GCT)
	h m s
MAY 8	
FGU E(P)	00 05 59.3
MAY 8	
HHM EP	00 07 03.0
MAY 8	
SJG EP	00 08 59.1
IS	09 07.8
MAY 8	
BUT EP	00 23 28.4
I	23 43.9
MAY 8	
COL EP	00 25 40.0
BRW E(P)	00 26 15.0
MAY 8	
EUR E(P)	00 26 53.5
MAY 8	
H-01 25 20.8	
45.0N 150.5E	
h ABOUT 49KM	
BRW EP C	01 32 21.7
IpP	32 33.7
COL IP	01 32 42.8
HHM EP	01 35 33.5
E	35 49.0
BMO EP	01 35 35.3
EpP	35 48.0
BOZ EP	01 35 53.0
EpP	36 07.0
EUR IP D	01 36 02.0
IpP	36 15.0
RCD E(P)	01 36 32.5
E	36 41.0
ALQ E(P)	01 37 08.2
MAY 8	
H-02 10 37.4	
44.8N 150.0E	
h ABOUT 45KM	
BRW EP	02 17 40.8
COL IP	02 18 01.3
HHM EP	02 20 53.1
EpP	21 06.0
BMO E(P)	02 21 06.7
BOZ EP	02 21 13.0
EpP	21 25.6
EUR EP	02 21 21.8
MAY 8	
H-03 48 46.3	
39.0N 021.4E	
h ABOUT 38KM	
BMO E(P)	04 01 36.8

Date and Station	Phase	(GCT) h m s
MAY 8		
TUC	E(P)	03 59 53.7
MAY 8		
FGU	IP	04 24 15.8
	IS	24 39.1
	IL	24 41.0
MAY 8		
H-04 48 38.5		
17.1N 070.1W		
h ABOUT 33KM		
SJG	EP	04 49 38.3
	IL	50 19.0
FGU	EP	04 56 22.8
BOZ	EP	04 56 51.0
EUR	E(P)	04 56 58.0
HHM	EP	04 57 12.1
BMO	EP	04 57 16.0
COL	EP	04 59 45.0
BRW	EP	05 00 06.8
MAY 8		
BMO	E(P)	07 33 36.1
MAY 8		
COL	EP	07 48 03.0
MAY 8		
H-08 29 58.2		
44.8N 150.5E		
h ABOUT 45KM		
BRW	IP D	08 37 00.0
	IpP	37 11.8
COL	EP	08 37 21.0
	IpP	37 32.7
HHM	EP	08 40 11.6
	EpP	40 24.3
BMO	EP	08 40 13.7
	EpP	40 26.7
BOZ	EP	08 40 32.0
	IpP	40 45.0
EUR	EP D	08 40 40.4
	IpP	40 54.0
	EPP	43 23.0
BCN	EP	08 40 59.0
	E	41 12.5
ALQ	E(P)	08 41 33.5
MAY 8		
FGU	EP	08 40 11.6
MAY 8		
EUR	EP	09 26 35.8
MAY 8		
EUR	E(P)	09 27 44.5
MAY 8		
H-10 15 22.9		
18.6S 169.0E		
h ABOUT 96KM		
EUR	IP	10 28 16.0
BMO	E(P)	10 28 21.5
MAY 8		
H-11 16 53.1		
21.6S 177.5W		
h ABOUT 345KM		
BMO	EP	11 28 55.5
COL	IP	11 29 08.3
BOZ	IP	11 29 14.0
EUR	E(P)	11 29 44.5
MAY 8		
HHM	EP	11 48 34.1
BOZ	EP	11 48 36.0
MAY 8		
H-12 25 57.6		
18.8N 146.9E		
h ABOUT 54KM		
GUA	IP	12 27 20.0
	ES	28 22.0
BRW	EP C	12 36 12.5
	EpP	36 25.4
COL	EP	12 36 19.0
BMO	EP	12 38 08.0
	E	38 17.5
HHM	EP	12 38 14.0
	E	38 23.1
EUR	IP	12 38 22.0
BOZ	EP	12 38 27.5
FGU	EP	12 38 41.9
MAY 8		
H-12 44 39.9		
17.3N 059.8W		
h ABOUT 33KM		
SJG	EP	12 46 07.5
	IS	47 15.0
MAY 8		
SLD	IP	13 14 09.2
	IL	14 35.7
MAY 8		
EUR	IP	13 14 29.8
MAY 8		
ALQ	E(P)	13 39 04.0
MAY 8		
SJG	EP	14 31 13.0
	ES	31 40.0
MAY 8		
COL	EP	16 20 17.0
BMO	E(P)	16 23 44.8
MAY 8		
H-17 03 27.6		
36.1N 139.9E		
h ABOUT 61KM		
COL	E(P)	17 11 18.5
BMO	EP	17 14 55.1
BOZ	EP	17 15 11.5
EUR	IP	17 15 18.2
MAY 8		
H-17 23 38.3		
36.9N 107.0W		
h ABOUT 5KM		
ALQ	IP	17 24 14.0
	IS	24 42.5
GCA	IP C	17 24 38.5
	I	24 47.5
	I	25 24.5
	IL	25 29.6
FGU	IP C	17 24 47.8
	I	24 59.5
	IL	25 54.0
TUC	EPN	17 25 02.8
	EPG	25 21.0
	EL	26 30.0
BCN	E(P)	17 25 23.2
	I	25 36.4
	IL	26 58.7
EUR	IP	17 25 32.0
RCD	E(P)	17 25 46.0
	EL	27 46.5
BOZ	EP	17 25 55.0
SLC	EL	17 25 21.9
	E	26 29.7
MAY 8		
H-17 50 36.8		
37.0N 107.0W		
h ABOUT 5KM		
ALQ	IP	17 51 11.5
	IS	51 41.5
GCA	EP	17 51 37.0
	E	51 45.0
	I	52 23.7
	IL	52 30.0
FGU	EP	17 51 44.5
	I	51 57.3
	IL	52 50.6
TUC	E(P)	17 52 05.2
	EPG	52 20.5
	ES	53 27.0
SLC	E(P)	17 52 15.6
	E	52 48.8
BCN	E(P)	17 52 19.5
	I	52 33.7
	IL	53 56.5
EUR	IP	17 52 29.8
RCD	E(P)	17 52 43.0
MAY 8		
COL	EP	20 00 29.0
MAY 8		
EUR	IP	20 01 31.0
MAY 8		
SLD	EP	20 01 37.5
	IL	02 11.2
MAY 8		
ALQ	EP	20 28 08.0
BOZ	EP	20 28 33.0
	E	28 38.5
BMO	E(P)	20 29 02.2
MAY 8		
ALQ	E(P)	21 08 10.0
COL	EP	21 10 11.0
MAY 8		
SJG	EP	21 21 10.7
	IL	21 44.5
MAY 8		
BRW	E(P)	21 34 51.6
MAY 8		
COL	EP	22 11 49.0
EUR	IP	22 13 14.2
MAY 8		
BRW	E(P)	22 20 07.6
MAY 8		
H-22 20 49.5		
50.9N 157.3E		
h ABOUT 33KM		
BRW	EP	22 26 48.3
COL	IP	22 27 07.0
BMO	EP	22 30 16.3
	E	30 33.0
EUR	IP C	22 30 47.4
	F	31 02.9
MAY 8		
COL	EP	22 49 17.0
MAY 9		
H-00 03 37.7		
14.3N 144.6E		
h ABOUT 109KM		
GUA	IP	00 03 58.0
	E(S)	04 10.0

Date and Station	Phase (GCT)
	h m s
COL E(P)	00 14 20.0
BMO EP	00 16 05.9
EpP	16 32.8
EUR IP	00 16 18.2
FGU EP	00 16 37.1
EpP	17 04.9
MAY 9	
ALQ IP	00 29 02.0
I	29 28.0
GCA E(P)	00 29 28.0
EL	30 17.0
MAY 9	
H-00 42 54.2	
34.5N 026.4E	
h ABOUT 20KM	
BRW IP C	00 54 32.0
I	54 52.2
EPP	57 20.4
WSC IP	00 54 55.3
I	55 01.0
COL IP	00 55 07.8
ES	01 05 24.0
SJG EP	00 55 14.0
RCD EP	00 55 50.5
E	55 56.0
HHM EP	00 55 55.7
I	56 00.7
BUT E(P)	00 56 02.6
BOZ EP	00 56 03.0
BMO IP	00 56 14.8
E	56 22.0
MAY 9	
H-00 43 50.0	
41.2N 142.3E	
h ABOUT 33KM	
BRW EP	00 51 40.0
COL IP	00 52 06.0
BMO EP	00 54 52.0
E	55 01.2
BOZ EP	00 55 08.0
EUR IP	00 55 17.4
ALQ E(P)	00 56 06.0
MAY 9	
ALQ IP	01 23 46.6
GCA E(P)	01 24 08.5
EL	25 03.3

Date and Station	Phase (GCT)
	h m s
MAY 9	
H-01 26 45.0	
37.0N 106.8W	
h ABOUT 5KM	
ALQ IP	01 27 21.0
IL	27 48.0
GCA EP	01 27 47.0
E	27 56.0
EL	28 37.0
FGU E(P)	01 27 54.2
E	28 08.5
EL	28 59.0
TUC E(P)	01 28 20.5
MAY 9	
ALQ E(P)	01 40 10.8
MAY 9	
GUA EP	01 40 47.0
ES	40 58.5
MAY 9	
H-01 56 53.0	
00.1S 125.1E	
h ABOUT 121KM	
BRW EP	02 09 22.5
ALQ EP'	02 15 35.2
MAY 9	
H-02 08 53.6	
36.9N 107.0W	
h ABOUT 5KM	
ALQ IP	02 09 29.2
EL	09 58.5
GCA EP	02 09 53.9
I	10 40.0
IL	10 47.0
FGU EP	02 10 03.0
I	10 14.8
IL	11 09.0
BCN E(P)	02 10 42.3
E	10 52.3
EL	12 14.5
EUR EP	02 10 47.1
MAY 9	
TUC E(P)	02 10 37.0
ES	11 45.0
MAY 9	
H-02 57 23.6	
37.0N 106.9W	
h ABOUT 5KM	
ALQ IP	02 57 59.2
IL	58 27.2
FGU EP	02 58 32.2
I	58 44.6
IL	59 37.8

Date and Station	Phase (GCT)
	h m s
TUC E(P)	02 58 52.0
EPG	59 06.7
ES	03 00 15.5
BCN E(P)	02 59 09.5
I	59 22.0
IL	03 00 44.3
EUR IP	02 59 18.0
MAY 9	
H-02 57 49.8	
38.4N 139.3E	
h ABOUT 33KM	
BRW EP	03 06 10.8
COL IP	03 06 34.2
HHM EP	03 09 12.2
BMO EP	03 09 14.1
BOZ IP	03 09 30.0
EUR IP	03 09 38.2
TUC EP	03 10 20.0
E	10 26.4
ALQ EP	03 10 25.0
MAY 9	
COL EP	03 13 45.0
MAY 9	
COL EP	03 28 07.0
MAY 9	
H-03 40 57.0	
13.7N 091.2W	
h ABOUT 23KM	
ALQ EP	03 46 24.0
E	46 41.0
TUC EP	03 46 29.5
E	46 41.8
GCA EP	03 47 03.5
BCN IP C	03 47 15.2
I	47 25.3
FGU EP	03 47 18.8
EUR IP C	03 47 40.2
I	47 50.5
BOZ E(P)	03 48 02.0
BMO EP	03 48 16.7
E	49 49.8
COL EP	03 51 30.0
MAY 9	
H-03 51 08.0	
37.0N 030.9E	
h ABOUT 118KM	
BRW EP D	04 02 18.8
COL IP	04 02 57.4

Date and Station	Phase (GCT)
	h m s
HHM E(P)	04 03 42.7
BMO EP	04 04 11.4
EpP	04 39.5
MAY 9	
ALQ IP	03 52 39.8
IS	53 07.0
GCA EP	03 53 06.0
E	53 52.0
IL	53 58.2
FGU E(P)	03 53 14.8
EL	54 20.5
TUC E(P)	03 53 37.5
MAY 9	
ALQ EP	03 52 39.8
ES	53 08.0
MAY 9	
EUR EP	04 18 17.0
MAY 9	
GCA EP	04 27 43.0
E	27 52.0
EL	28 36.0
MAY 9	
H-04 34 42.0	
38.1N 042.3E	
h ABOUT 33KM	
COL EP	04 46 34.0
MAY 9	
BMO EP	04 46 37.0
EUR EP	04 46 52.3
MAY 9	
BOZ EP	05 06 48.0
MAY 9	
SJG IP	05 13 01.9
IL	13 27.5
MAY 9	
COL IP	05 15 47.7
MAY 9	
TUC E(P)	05 23 42.6
MAY 9	
H-05 30 07.4	
08.7N 082.9W	
h ABOUT 39KM	
BHP IP	05 30 59.0
IS	31 43.0
SJG EP	05 34 26.5
TUC E(P)	05 36 57.9
FGU EP	05 37 38.8
BOZ EP	05 38 16.0
BMO E(P)	05 38 33.0
HHM EP	05 38 40.2

Date and Station	Phase	(GCT) h m s
COL	IP	05 41 26.7
MAY 9		
H-06 08 28.7		
34.5N 026.5E		
h ABOUT 33KM		
BRW	EP	06 20 05.8
HHM	EP	06 21 29.2
BOZ	EP	06 21 36.5
BMO	EP	06 21 47.0
	EpP	21 57.0
MAY 9		
COL	EP	06 17 33.0
MAY 9		
H-06 19 05.1		
14.2N 052.0E		
h ABOUT 33KM		
EUR	EP'	06 38 12.6
MAY 9		
COL	EP	06 38 01.0
MAY 9		
FGU	E(P)	06 57 00.1
	E	57 05.8
	EL	57 36.2
MAY 9		
BRW	E(P)	06 57 56.6
	E	58 11.6
	E(S)	59 12.6
MAY 9		
COL	EP	07 08 24.0
MAY 9		
FGU	EP	07 08 40.0
MAY 9		
EUR	E(P)	09 57 42.3
GCA	EP	09 58 24.5
	E	58 34.4
	IL	59 15.5
MAY 9		
H-10 00 32.7		
13.2S 166.9E		
h ABOUT 198KM		
COL	EP	10 12 46.0
	EpP	13 36.0
EUR	EpP	10 13 50.4
BMO	E(P)	10 13 58.8
MAY 9		
H-10 47 33.8		
8.7N 082.9W		
h ABOUT 48KM		
BHP	EP	10 48 25.0
BOZ	EP	10 55 40.5
COL	EP	10 58 51.0
MAY 9		
FGU	EP	10 56 53.0
	EL	57 16.0
MAY 9		
COL	EP	12 13 27.0
MAY 9		
BMO	IP	13 31 54.1
	ES	31 08.3
MAY 9		
BMO	IP	13 34 24.5
	ES	34 58.5
MAY 9		
BOZ	EP	15 12 35.0
MAY 9		
H-15 15 13.9		
15.5S 174.6W		
h ABOUT 59KM		
EUR	IP	15 27 04.6
BMO	E(P)	15 27 14.8
	E	27 34.3
	E	27 48.6
FGU	EP	15 27 31.3
COL	EP	15 27 32.0
HHM	E(P)	15 27 37.8
MAY 9		
COL	EP	15 50 16.0
MAY 9		
FGU	EP C	16 15 33.7
	IS	16 01.6
	IL	16 03.6
EUR	IP	16 16 09.0
MAY 9		
BOZ	EP	16 23 19.5
MAY 9		
H-16 33 12.8		
15.3S 173.9W		
h ABOUT 33KM		
BMO	E(P)	16 45 16.0
	E	45 28.6
COL	EP	16 45 31.0
BOZ	E(P)	16 45 35.0
MAY 9		
COL	EP	17 02 50.0
MAY 9		
EUR	IP	17 53 53.0
MAY 9		
H-18 12 35.2		
15.5S 174.0W		
h ABOUT 33KM		
BOZ	E(P)	18 24 02.0
BMO	EP	18 24 37.9
COL	IP	18 24 55.6
MAY 9		
COL	IP	18 56 36.3
MAY 9		
SLD	IP D	18 59 09.2
	IS	59 15.2
MAY 9		
EUR	E(P)	19 25 31.5
MAY 9		
COL	EP	20 03 24.0
MAY 9		
H-20 06 18.0		
15.5S 175.1W		
h ABOUT 66KM		
EUR	IP	20 18 10.2
BMO	EP	20 18 19.6
	EpP	18 32.5
FGU	E(P)	20 18 27.0
	E	18 36.0
ALQ	E(P)	20 18 33.0
COL	EP	20 18 34.0
BOZ	EP	20 18 40.0
MAY 9		
BMO	E(P)	20 12 07.2
MAY 9		
H-20 23 14.4		
28.6N 111.8W		
h ABOUT 33KM		
TUC	EP	20 24 12.1
	EPG	24 29.8
	ES	25 20.5
ALQ	IP	20 25 12.0
	IL	27 32.0
EUR	EP	20 25 57.2
	EL	29 36.0
BCN	E(P)	20 26 12.0
	E	26 20.5
	EL	27 41.7
FGU	E(P)	20 26 12.3
	EL	29 50.0
BMO	EP	20 27 10.8
	E	27 28.5
BOZ	E(P)	20 27 17.5
HHM	EP	20 27 46.0
MAY 9		
SJG	EP	20 29 12.5
	IS	29 33.5
MAY 9		
ALQ	IP	20 31 05.0
	I	31 35.5
MAY 9		
COL	EP	20 56 34.0
MAY 9		
TUC	E(P)	21 09 43.9
	E	20 10 19.0
MAY 9		
ALQ	IP	21 30 13.0
	I	30 45.0
MAY 9		
H-21 30 41.4		
15.1S 174.6W		
h ABOUT 35KM		
EUR	IP	21 42 32.6
BMO	EP	21 42 43.5
	E	42 55.6
COL	IP	21 43 00.1
FGU	EP	21 43 00.5
HHM	E(P)	21 43 03.4
BOZ	EP	21 43 05.0
MAY 9		
TUC	E(P)	23 06 07.4
	E(S)	07 23.0
MAY 9		
H-23 08 25.3		
15.1S 174.7W		
h ABOUT 71KM		
BMO	EP	23 20 24.5
	E	20 34.0
COL	IP	23 20 40.0
MAY 9		
BMO	E(P)	23 10 23.3
MAY 10		
H-01 15 35.8		
27.1N 111.2W		
h ABOUT 33KM		
TUC	EP	01 16 53.0
	EPG	17 10.6
	ES	18 01.0
ALQ	E(P)	01 17 52.0
	IL	20 12.5
BCN	E(P)	01 18 09.0
	EL	20 13.0
EUR	IP	01 18 40.5
	EL	22 17.0
FGU	EP	01 18 55.5
	EL	22 31.5
BMO	EP	01 19 50.9
	E	20 09.3
BOZ	EP	01 19 57.0
HHM	E(P)	01 20 14.9

Date and Station	Phase (GCT)
	h m s
MAY 10	
BHP EP	01 56 25.5
EUR EP	02 02 32.9
MAY 10	
H-02 47 45.4	
34.5N 026.6E	
h ABOUT 33KM	
BRW EP	02 59 22.7
COL E(P)	02 59 57.0
HHM EP	03 00 45.9
MAY 10	
COL EP	03 02 21.0
MAY 10	
COL EP	03 20 22.0
BRW IP D	03 20 23.6
EUR EP	03 23 56.3
MAY 10	
H-03 35 30.5	
53.2N 168.3W	
h ABOUT 33KM	
COL EP	03 39 10.0
BRW EP	03 39 50.7
BOZ EP	03 42 36.8
EUR EP	03 42 46.0
MAY 10	
COL IP	03 48 01.0
MAY 10	
COL EP	04 26 24.0
MAY 10	
H-05 32 24.8	
16.5S 167.4E	
h ABOUT 28KM	
COL EP	05 45 11.0
EUR IP	05 45 28.8
MAY 10	
GUA EP	05 50 28.0
MAY 10	
COL EP	06 15 25.5
MAY 10	
COL IP	06 40 45.8
MAY 10	
H-07 46 27.7	
24.8S 013.5W	
h ABOUT 33KM	
SJG E(P)	07 57 17.5
MAY 10	
COL EP	08 30 03.0
TUC E(P)	08 36 49.0

Date and Station	Phase (GCT)
	h m s
MAY 10	
COL EP	08 42 25.0
MAY 10	
COL EP	09 14 14.3
MAY 10	
COL IP	09 29 14.1
MAY 10	
BRW EP	09 50 41.9
EUR IP	09 53 16.3
MAY 10	
BRW EP	10 01 32.2
EUR EP	10 07 00.6
MAY 10	
H-10 08 58.4	
41.7N 142.0E	
h ABOUT 64KM	
BRW EP C	10 16 45.3
E	17 02.5
E	18 38.9
COL IP	10 17 09.1
HHM EP	10 19 53.1
E	20 12.1
E	20 20.6
BMO EP	10 19 55.6
E	20 14.9
BOZ EP	10 20 12.5
EUR IP	10 20 21.5
ALQ EP	10 21 10.0
MAY 10	
EUR EP	10 29 47.5
MAY 10	
COL EP	11 30 09.0
MAY 10	
H-11 37 56.4	
36.7N 115.7E	
h ABOUT 33KM	
BRW E(P)	11 47 21.7
COL EP	11 47 59.9
HHM EP	11 50 27.3
BMO EP	11 50 33.7
BOZ EP	11 50 42.5
I	50 31.0
EUR IP	11 50 58.0
FGU EP	11 51 04.0
MAY 10	
BRW EP	11 40 01.7
COL EP	11 40 08.3

Date and Station	Phase (GCT)
	h m s
MAY 10	
CSC EP	12 46 46.5
MAY 10	
COL EP	13 16 40.0
TUC E(P)	13 19 01.7
EUR IP	13 19 07.0
MAY 10	
GUA EP	13 30 53.0
MAY 10	
BRW E(P)	13 39 45.0
MAY 10	
COL EP	13 44 20.0
MAY 10	
H-13 56 04.3	
49.8N 153.9E	
h ABOUT 33KM	
BRW EP	14 02 19.8
COL EP	14 02 43.0
BMO EP	14 05 48.9
BOZ IP	14 06 06.2
EUR IP	14 06 18.9
MAY 10	
COL EP	14 17 33.5
MAY 10	
SLD IP	15 20 02.0
IS	20 26.0
EUR EP	15 20 21.0
MAY 10	
BMO EP	16 42 08.3
EUR EP	16 42 24.0
MAY 10	
BRW EP	16 52 15.0
MAY 10	
ALQ IP	17 21 25.5
MAY 10	
GCA EP	17 22 46.4
MAY 10	
EUR IP	18 30 05.8
MAY 10	
CSC E(P)	19 48 59.0
MAY 10	
BHP IP	20 02 39.0
IS	03 29.0
MAY 10	
H-20 22 23.4	
15.3S 173.7W	
h ABOUT 33KM	
TUC E(P)	20 34 05.1

Date and Station	Phase (GCT)
	h m s
EUR IP	20 34 13.2
COL IP	20 34 40.8
FGU EP	20 34 41.0
MAY 10	
H-21 04 08.1	
51.9N 098.9E	
h ABOUT 26KM	
BRW EP	21 12 36.7
COL IP	21 13 22.4
HHM EP	21 15 55.3
E	16 02.1
BOZ EP	21 16 11.5
IPCP	16 19.5
BMO I(P)	21 16 16.0
EUR I(P)	21 16 44.2
MAY 10	
H-21 57 44.8	
37.2N 071.2E	
h ABOUT 97KM	
COL IP	22 09 11.0
MAY 10	
COL IP	22 11 15.2
MAY 10	
ALQ IP	23 04 07.0
IS	04 31.5
MAY 10	
BRW EP	23 57 30.4
MAY 11	
H-01 20 40.5	
16.6N 095.9W	
h ABOUT 47KM	
TUC E(P)	01 25 18.0
E	31 50.0
EUR E(P)	01 26 26.0
MAY 11	
H-01 26 24.3	
62.8N 150.1W	
h ABOUT 99KM	
COL IP	01 27 01.8
I	27 26.0
BRW IP C	01 28 31.0
ES	30 10.0
HHM IP	01 31 38.5
E	32 08.1
EsP	32 23.1
BMO EP	01 31 49.2
E	32 22.2
BOZ E(P)	01 31 56.0
EUR IP	01 32 35.2

Date and Station	Phase (GCT)
	h m s
SLD EP	01 32 37.0
IpP.	32 57.9
EsP	33 07.5
FGU I(P)	01 32 46.5
ALQ E(P)	01 33 41.0
TUC EP	01 33 46.0
MAY 11	
EUR IP D	01 31 28.5
MAY 11	
H-01 53 58.8	
34.5N 069.8E	
h ABOUT 48KM	
BRW EP D	02 05 03.6
COL IP	02 05 45.8
EUR EP'	02 12 07.5
MAY 11	
H-01 55 50.4	
16.6N 096.6W	
h ABOUT 54KM	
TUC E(P)	02 00 22.5
E	00 37.3
ALQ IP	02 00 23.8
MAY 11	
HHM E(P)	01 56 33.0
MAY 11	
BOZ E(P)	02 11 42.0
MAY 11	
TUC E(P)	02 46 04.5
EUR E(P)	02 46 09.0
BMO E(P)	02 46 18.8
COL EP	02 46 30.0
MAY 11	
H-03 49 13.1	
56.0S 027.3W	
h ABOUT 82KM	
BOZ EP'	04 08 00.0
E	17 50.0
BMO EP'	04 08 04.1
HHM EP'	04 08 06.0
BRW EP'	04 08 50.9
E	09 01.9
COL IP'	04 08 53.4
MAY 11	
EUR IP	04 18 01.6
MAY 11	
BRW EP	04 46 03.0

Date and Station	Phase (GCT)
	h m s
MAY 11	
BHP IP	05 12 52.0
IS	13 29.0
E	32 40.5
MAY 11	
COL EP	05 20 21.0
MAY 11	
BHP EP C	05 32 40.5
ES	33 20.0
MAY 11	
H-05 57 02.2	
12.3N 086.8W	
h ABOUT 33KM	
BOZ EP	06 04 30.5
MAY 11	
COL EP	06 10 56.0
MAY 11	
SJG EP	06 42 56.0
EL	43 28.8
MAY 11	
COL EP	07 11 46.0
MAY 11	
COL EP	07 18 04.0
MAY 11	
BMO EP	07 53 09.1
EUR EP	07 53 41.7
MAY 11	
COL EP	08 03 17.0
MAY 11	
SJG EP	08 30 58.5
EL	31 33.0
MAY 11	
COL EP	09 46 22.0
MAY 11	
COL EP	10 07 25.0
MAY 11	
COL IP	10 19 55.3
BMO EP	10 22 56.2
E	23 45.3
BOZ EP	10 23 15.0
EUR IP	10 23 25.2
MAY 11	
COL EP	10 59 29.0
MAY 11	
COL EP	11 12 04.0
BOZ EP	11 15 31.0
EUR IP	11 15 41.8
MAY 11	
EUR E(P)	11 41 21.5

Date and Station	Phase (GCT)
	h m s
MAY 11	
COL EP	12 54 01.0
MAY 11	
COL EP	13 08 43.0
MAY 11	
ALQ IP	13 39 23.6
IS	39 52.5
GCA E(P)	13 39 48.0
EL	40 36.0
EUR EP	13 41 20.1
MAY 11	
BMO E(P)	14 02 42.2
MAY 11	
EUR IP	14 05 04.1
MAY 11	
COL EP	14 13 40.0
MAY 11	
H-14 17 38.1	
48.9N 156.3E	
h ABOUT 37KM	
BRW EP D	14 23 55.7
I	24 10.9
COL IP	14 24 12.2
SIT IP	14 25 18.0
KIP IP	14 25 54.6
ES	32 40.5
HON IP	14 25 56.0
IS	32 43.6
HHM EP	14 27 13.3
E(S)	33 12.3
BMO EP	14 27 15.1
EPP	29 24.6
BUT E(P)	14 27 29.6
E(S)	35 26.6
BOZ IP D	14 27 34.5
ES	35 42.0
SLD EP	14 27 35.2
E(S)	36 40.0
EUR IP	14 27 45.0
SLC EP	14 27 57.9
BCN EP	14 28 04.5
FGU IP	14 28 05.0
RCD EP	14 28 12.0
TUC E(P)	14 28 36.8
ES	37 40.0
ALQ IP	14 28 41.0
IS	37 48.0

Date and Station	Phase (GCT)
	h m s
WSC EP	14 29 49.8
E	30 36.3
EPP	33 05.9
CSC E(P)	14 29 59.0
MAY 11	
GUA EP	14 24 58.0
ES	32 19.0
MAY 11	
H-14 26 42.9	
49.0N 156.2E	
h ABOUT 48KM	
BRW IP C	14 32 58.5
I	33 11.9
COL EP	14 33 16.0
HHM EP	14 36 17.3
BMO EP	14 36 19.7
E	36 33.0
BOZ IP	14 36 38.6
EUR IP D	14 36 48.6
I	37 02.3
EPP	39 10.3
FGU EP	14 37 08.0
BCN EP	14 37 09.0
RCD E(P)	14 37 15.2
TUC E(P)	14 37 40.5
ALQ E(P)	14 37 44.0
MAY 11	
H-14 43 12.4	
48.8N 156.7E	
h ABOUT 33KM	
COL EP	14 49 46.0
BOZ EP	14 53 09.0
MAY 11	
H-15 06 01.7	
34.5N 026.5E	
h ABOUT 33KM	
COL E(P)	15 18 14.5
HHM E(P)	15 19 02.1
BOZ EP	15 19 10.0
BMO EP	15 19 20.5
E	19 30.5
MAY 11	
COL EP	15 39 33.0
BMO E(P)	15 42 35.6
BOZ E(P)	15 43 00.0
EUR IP	15 43 11.0

Date and Station	Phase (GCT)
	h m s
MAY 11	
BMO E(P)	15 45 16.4
MAY 11	
COL EP	16 31 52.0
MAY 11	
COL EP	16 50 18.0
MAY 11	
EUR IP	17 00 15.2
MAY 11	
EUR IP	17 28 56.6
MAY 11	
COL EP	17 47 18.0
MAY 11	
EUR IP	17 47 40.0
MAY 11	
H-18 00 28.2	
48.8N 156.6E	
h ABOUT 18KM	
BRW EP	18 06 48.0
COL EP	18 07 05.0
BMO EP	18 10 06.8
E	10 21.1
BOZ EP	18 10 28.0
EUR IP	18 10 37.3
MAY 11	
EUR EP	18 06 29.7
MAY 11	
BMO E(P)	18 17 32.9
MAY 11	
COL IP	18 17 49.5
MAY 11	
COL EP	18 46 06.0
MAY 11	
ALQ IP	19 39 18.4
I	40 13.5
MAY 11	
ALQ EP	19 39 41.5
MAY 11	
BMO E(P)	20 12 07.9
MAY 11	
H-20 58 19.7	
21.8S 176.9W	
h ABOUT 222KM	
TUC EP	21 10 21.9
EUR IP	21 10 23.0
BMO EP	21 10 34.4
COL IP	21 10 50.1
BOZ IP	21 10 53.0

Date and Station	Phase (GCT)
	h m s
MAY 11	
EUR IP	21 38 48.8
MAY 11	
H-21 39 36.6	
48.8N 156.2E	
h ABOUT 34KM	
BRW EP D	21 45 54.0
I	46 06.0
COL IP	21 46 11.5
SIT EP	21 47 14.6
KIP EP	21 47 54.5
I	48 05.6
ES	54 43.8
HON EP	21 47 54.6
IS	54 46.2
HHM EP	21 49 12.0
BMO IP	21 49 14.4
EPP	51 22.4
BOZ IP D	21 49 34.0
I▸P	49 44.5
SLD EP	21 49 34.0
EUR IP	21 49 43.9
FGU EP	21 50 02.0
BCN EP	21 50 03.2
RCD EP	21 50 11.0
E▸P	50 22.0
TUC E(P)	21 50 35.0
ALQ EP	21 50 40.0
WSC EP	21 51 46.4
MAY 11	
FGU IP D	22 17 21.8
IS	17 26.7
MAY 11	
COL IP	22 25 59.2
MAY 11	
ALQ IP	23 04 16.5
I	04 42.0
MAY 11	
EUR IP	23 10 50.0
MAY 11	
H-23 21 50.1	
30.5S 179.2W	
h ABOUT 342KM	
TUC EP	23 34 13.0
EUR IP	23 34 17.2
BMO EP	23 34 28.9

Date and Station	Phase (GCT)
	h m s
MAY 11	
ALQ IP	23 56 14.0
I	56 48.0
MAY 12	
ALQ IP	00 03 35.4
I	04 04.0
MAY 12	
H-00 30 15.5	
18.4N 146.8E	
h ABOUT 148KM	
GUA IP	00 31 32.0
I(S)	32 56.0
COL EP	00 40 30.5
BMO EP	00 42 16.4
MAY 12	
H-01 17 04.7	
21.3S 179.6W	
h ABOUT 609KM	
TUC EP	01 28 37.0
BMO EP	01 28 46.9
COL IP	01 28 58.3
MAY 12	
COL EP	01 52 08.7
MAY 12	
H-02 09 21.1	
49.5N 155.6E	
h ABOUT 62KM	
COL IP	02 15 51.8
BMO EP	02 18 56.7
E	19 12.6
BOZ IP	02 19 16.0
EUR IP	02 19 26.5
MAY 12	
COL EP	02 12 00.0
MAY 12	
COL EP	02 39 38.0
MAY 12	
COL E(P)	02 47 52.0
BMO E(P)	02 50 55.7
E	51 07.7
BOZ EP	02 51 14.1
E	51 26.5
EUR IP	02 51 24.2
MAY 12	
COL EP	03 09 24.0
MAY 12	
EUR EP	04 45 26.5
BMO EP	04 45 37.5
COL EP	04 45 49.8

Date and Station	Phase (GCT)
	h m s
MAY 12	
COL EP	04 55 39.0
MAY 12	
COL EP	05 12 15.8
EUR E(P)	05 15 41.0
MAY 12	
ALQ IP	06 09 29.0
I	10 21.0
MAY 12	
H-06 31 11.7	
24.3N 122.3E	
h ABOUT 52KM	
GUA IP	06 36 21.0
ES	41 08.0
COL EP	06 42 08.0
HHM EP	06 44 16.5
E	44 29.3
BMO EP	06 44 18.4
E	44 34.8
BOZ EP	06 44 30.8
EUR EP	06 44 38.7
MAY 12	
COL EP	07 33 20.0
EUR E(P)	07 36 54.0
MAY 12	
BMO E(P)	08 38 52.2
COL EP	08 41 16.3
MAY 12	
H-11 42 46.4	
40.1N 078.2E	
h ABOUT 31KM	
COL EP	11 53 52.0
BOZ E(P)	11 56 07.5
MAY 12	
H-11 49 41.7	
65.5S 179.5E	
h ABOUT 33KM	
HHM EP'	12 08 36.9
MAY 12	
H-12 17 01.7	
48.9N 156.3E	
h ABOUT 37KM	
BRW E(P)	12 23 19.4
COL IP	12 23 37.4
BMO EP	12 26 39.6
E	26 59.3
BOZ EP	12 26 57.6
EUR IP	12 27 08.8

Date and Station	Phase (GCT)
	h m s
RCD E(P)	12 27 31.5
TUC E(P)	12 28 06.0
ALQ E(P)	12 28 11.0
MAY 12	
COL IP	13 24 13.6
BMO E(P)	13 27 16.5
E	27 37.0
EUR E(P)	13 27 34.0
BOZ EP	13 27 35.0
MAY 12	
ALQ IP	14 24 10.0
I	24 20.4
MAY 12	
SLD IP C	15 03 22.3
IS	03 28.9
MAY 12	
EUR IP	15 04 52.0
MAY 12	
COL EP	16 00 43.0
MAY 12	
BMO IP	16 44 44.9
ES	44 49.1
MAY 12	
BRW E(P)	17 23 54.7
MAY 12	
COL EP	17 33 34.0
MAY 12	
SLD IP	18 29 19.4
IS	29 32.3
MAY 12	
ALQ IP	19 14 24.8
MAY 12	
H-19 37 26.0	
37.1N 116.1W	
h ABOUT 0KM	
BCN IP C	19 37 54.5
IS	38 15.6
EUR IP	19 38 06.5
GCA EP	19 38 24.5
IL	39 18.1
SLD E(P)	19 38 29.0
IL	39 38.0
SLC EP	19 38 45.5
IL	40 26.8
TUC E(P)	19 39 03.0
FGU EP	19 39 04.6
EL	40 49.5
BMO EP	19 39 23.9

Date and Station	Phase (GCT)
	h m s
ALQ EP	19 39 26.0
I	39 57.5
EL	41 46.0
BOZ EP	19 39 45.0
HHM E(P)	19 40 06.1
COL E(P)	19 44 09.5
MAY 12	
FGU E(P)	19 38 31.1
MAY 12	
EUR EP	19 48 43.3
MAY 12	
ALQ IP	19 51 23.5
MAY 12	
EUR IP	20 08 44.6
MAY 12	
ALQ IP	20 36 26.5
I	37 02.5
MAY 12	
COL E(P)	21 02 43.0
MAY 12	
EUR IP	21 58 16.2
BMO E(P)	22 01 14.5
MAY 12	
COL EP	22 07 08.0
MAY 12	
ALQ IP	22 12 53.5
IS	13 27.5
MAY 12	
SLD IP D	22 20 23.3
IS	20 28.7
MAY 12	
ALQ IP	22 28 50.5
I	29 40.0
MAY 12	
BMO E(P)	22 59 14.5
EUR E(P)	22 59 28.3
MAY 13	
COL IP	00 03 02.8
MAY 13	
TUC EP	00 25 17.0
MAY 13	
EUR IP	00 30 08.8
MAY 13	
SLD EP	03 21 12.4
IL	21 36.5
EUR IP	03 21 35.2
MAY 13	
COL EP	04 11 40.0

Date and Station	Phase (GCT)
	h m s
MAY 13	
H-05 02 14.7	
07.2S 146.3E	
h ABOUT 177KM	
COL IP	05 14 39.0
MAY 13	
COL I(P)	05 09 02.9
BMO EP	05 11 58.6
BOZ EP	05 12 23.0
EUR IP	05 12 35.8
TUC EP	05 13 42.5
E	14 13.5
ALQ IP	05 13 46.5
I	15 33.6
I	16 11.0
EUR E(P)	05 15 06.3
E	15 44.2
MAY 13	
EUR EP	05 18 36.7
MAY 13	
H-07 54 42.3	
51.0N 176.3E	
h ABOUT 33KM	
COL EP	07 59 47.0
BRW E(P)	08 00 07.0
EUR IP	08 03 15.2
TUC EP	08 04 15.0
MAY 13	
COL EP	10 04 32.0
MAY 13	
COL EP	10 19 36.0
MAY 13	
H-10 20 30.7	
06.0N 125.7E	
h ABOUT 155KM	
COL E(P)	10 32 40.0
MAY 13	
H-10 50 49.7	
15.8S 174.9W	
h ABOUT 70KM	
EUR EP	11 02 41.0
BMO E(P)	11 02 47.5
FGU E(P)	11 03 07.5
COL EP	11 03 10.0
BOZ EP	11 03 11.5
MAY 13	
ALQ EP	11 02 11.8
I	03 03.5

Date and Station	Phase (GCT)
	h m s
MAY 13	
TUC E(P)	11 05 28.5
MAY 13	
EUR IP	12 15 42.5
MAY 13	
H-12 49 03.3	
15.7S 175.9W	
h ABOUT 178KM	
BMO E(P)	13 00 53.8
COL EP	13 01 10.0
MAY 13	
H-13 05 33.5	
34.5N 026.6E	
h ABOUT 21KM	
COL I(P)	13 17 33.6
BMO E(P)	13 19 00.0
MAY 13	
H-13 11 48.7	
34.4N 026.5E	
h ABOUT 26KM	
COL EP	13 24 03.9
BMO E(P)	13 25 09.1
MAY 13	
SLD IP C	13 16 05.0
IL	17 14.0
MAY 13	
H-13 16 10.1	
59.3N 148.5W	
h ABOUT 33KM	
BRW EP	13 19 09.3
MAY 13	
H-13 30 00.0	
37.1N 116.0W	
h ABOUT 0KM	
BCN IP C	13 30 27.3
EUR IP	13 30 40.6
GCA IP C	13 30 57.3
SLC IP D	13 31 16.9
IL	32 40.5
TUC IP C	13 31 36.4
EL	33 23.0
FGU IP C	13 31 38.9
BMO IP	13 31 57.9
ALQ IP	13 31 58.8
I	32 30.0
IL	34 26.0
BOZ I(P)	13 32 08.0
EL	34 38.0
BUT E(P)	13 32 19.3
EL	34 48.3

Date and Station	Phase (GCT)
	h m s
HHM EP	13 32 45.4
IL	36 03.4
RCD EP	13 32 53.0
EL	36 35.0
COL EP C	13 36 42.5
I	39 21.9
KIP IP	13 37 33.8
SJG IP	13 38 38.0
I	38 47.8
MAY 13	
CSC E(P)	13 44 56.0
MAY 13	
H-13 59 21.4	
49.9N 157.4E	
h ABOUT 29KM	
COL IP	14 05 46.0
BMO E(P)	14 08 52.9
MAY 13	
H-14 19 29.1	
49.8N 157.2E	
h ABOUT 33KM	
COL EP	14 25 53.0
BOZ E(P)	14 28 16.0
E	29 19.5
BMO E(P)	14 29 00.3
EUR IP	14 29 29.9
MAY 13	
EUR IP	15 12 49.0
MAY 13	
EUR IP	15 36 57.5
MAY 13	
EUR IP	15 54 49.2
MAY 13	
BCN EP	16 11 02.5
IL	11 26.0
MAY 13	
BMO E(P)	16 13 13.8
E	13 52.4
MAY 13	
BCN IP	16 14 44.4
IL	15 08.4
MAY 13	
BCN IP	16 16 13.5
GCA IP	16 16 50.9
SLD E(P)	16 17 00.1
EL	17 59.0
TUC E(P)	16 17 15.0
FGU EP	16 17 25.8

Date and Station	Phase (GCT)
	h m s
BMO EPN	16 17 45.5
E	17 56.4
MAY 13	
ALQ IP	16 18 16.0
I	19 59.0
MAY 13	
COL EP	16 18 32.0
MAY 13	
ALQ IP	16 26 43.5
I	27 19.0
MAY 13	
EUR IP	17 16 35.1
MAY 13	
H-17 16 53.8	
53.2N 168.2W	
h ABOUT 33KM	
COL EP	17 20 33.0
BRW EP	17 21 14.1
EUR EP	17 24 08.7
MAY 13	
H-17 25 55.9	
36.9N 121.6W	
h ABOUT 18KM	
SLD I(P)	17 26 02.0
IS	26 06.3
EUR E(P)	17 27 16.0
BCN IP	17 27 23.0
EL	28 55.5
BMO E(P)	17 28 07.8
E	28 16.1
E	28 43.2
MAY 13	
BOZ IP	18 32 02.6
IL	32 11.0
MAY 13	
COL E(P)	18 44 48.7
MAY 13	
EUR IP	19 09 53.2
MAY 13	
BCN IP	19 11 56.5
IS	12 09.0
MAY 13	
EUR IP	19 20 10.8
GCA EP	19 20 20.6
BMO EP	19 20 13.5
E	20 21.2
MAY 13	
BOZ IP	19 20 41.0

Date and Station	Phase (GCT)
	h m s
MAY 13	
H-19 29 47.1	
19.5S 175.7W	
h ABOUT 246KM	
BMO E(P)	19 41 47.5
E	42 41.6
COL EP	19 42 04.0
E	43 00.8
MAY 13	
ALQ IP	19 44 33.6
I	45 09.5
MAY 13	
H-19 46 10.1	
37.1N 121.3W	
h ABOUT 30KM	
SLD IP C	19 46 15.7
IS	46 20.1
MAY 13	
EUR IP	19 47 41.5
MAY 13	
COL E(P)	20 01 36.6
MAY 13	
SLD EP	20 22 19.5
IS	22 36.0
MAY 13	
BOZ IP	20 56 18.5
IL	56 26.0
HHM EP	20 56 49.0
E	57 21.5
MAY 13	
EUR IP	21 47 15.2
MAY 13	
ALQ IP	22 10 10.8
I	10 42.5
MAY 13	
SIT E(P)	22 26 24.8
MAY 13	
EUR IP	22 41 38.0
MAY 13	
ALQ IP	23 05 21.8
I	05 47.0
MAY 14	
BMO EP	00 51 11.0
EUR EP	00 52 04.0
MAY 14	
TUC E(P)	01 12 17.0
EL	13 30.0
MAY 14	
BOZ EP	02 20 56.5
IL	21 27.0
MAY 14	
BOZ EP	02 26 21.7

Date and Station	Phase (GCT)
	h m s
MAY 14	
H-02 59 56.1	
07.2N 082.6W	
h ABOUT 33KM	
BHP EP	03 00 49.0
BOZ EP	03 08 16.5
I	08 19.2
MAY 14	
H-04 16 03.9	
85.0N 001.4E	
h ABOUT 9KM	
COL EP	04 22 11.0
BMO E(P)	04 24 48.5
MAY 14	
COL EP	04 23 19.0
MAY 14	
COL EP	04 39 43.0
BOZ IP	04 41 15.0
E	43 38.5
MAY 14	
H-06 08 29.3	
18.5N 144.9E	
h ABOUT 233KM	
GUA EP	06 09 45.0
COL EP	06 18 37.5
BMO EP	06 20 27.0
E	21 16.8
EUR IP	06 20 41.0
BOZ EP	06 20 45.0
MAY 14	
BOZ EP	07 43 42.5
MAY 14	
BMO E(P)	08 06 14.4
MAY 14	
TUC E(P)	08 16 49.0
MAY 14	
H-09 04 40.0	
19.9S 177.3W	
h ABOUT 330KM	
TUC EP	09 16 26.0
BOZ EP	09 16 55.0
MAY 14	
COL E(P)	09 14 44.0
MAY 14	
h ABOUT 41KM	
COL EP	09 34 10.0
HHM EP	09 36 21.3
BMO E(P)	09 36 22.2

Date and Station	Phase	(GCT)
		h m s
MAY 14		
H-09 33 58.7		
53.3N 168.0W		
h ABOUT 33KM		
COL	EP	09 37 36.0
HHM	EP	09 40 38.9
BOZ	EP	09 41 03.5
	E	43 27.5
EUR	IP	09 41 12.5
TUC	E(P)	09 42 16.7
MAY 14		
TUC	E(P)	10 12 46.0
MAY 14		
BOZ	EP	10 24 12.0
MAY 14		
H-11 07 25.9		
15.7S 068.9W		
h ABOUT 190KM		
BMO	E(P)	11 18 45.7
MAY 14		
H-11 33 10.1		
53.2N 168.7W		
h ABOUT 33KM		
COL	EP	11 36 51.0
HHM	EP	11 39 54.3
BOZ	EP	11 40 17.5
EUR	IP	11 40 27.8
MAY 14		
COL	EP	11 40 42.0
MAY 14		
COL	EP	12 53 03.0
MAY 14		
BMO	E(P)	14 25 17.2
MAY 14		
H-14 46 14.6		
51.9N 177.7W		
h ABOUT 66KM		
BUT	EP	14 53 59.7
	ES	15 00 13.7
BOZ	IP C	14 54 06.7
MAY 14		
COL	EP	16 10 04.7
BOZ	E(P)	16 14 32.0
	E	15 14.0
MAY 14		
COL	EP	16 28 31.0
MAY 14		
H-16 35 12.2		
19.5S 177.7W		
h ABOUT 350KM		
TUC	EP	16 46 56.5
BMO	E(P)	16 47 06.9
COL	EP	16 47 18.5
BOZ	EP	16 47 25.5
MAY 14		
H-16 59 51.9		
34.1N 138.9E		
h ABOUT 41KM		
GUA	EP	17 04 37.8
BRW	E(P)	17 08 51.2
COL	IP	17 09 04.6
HHM	EP	17 11 33.2
BMO	IP	17 11 33.6
	EPCP	11 45.0
BOZ	EP	17 11 49.2
EUR	IP	17 11 55.2
FGU	EP	17 12 12.5
MAY 14		
H-17 03 56.7		
34.2N 138.9E		
h ABOUT 33KM		
GUA	IP	17 08 42.0
BRW	IP D	17 12 48.4
COL	EP	17 13 09.0
HHM	EP	17 15 38.2
BMO	EP	17 15 38.9
BOZ	IP	17 15 54.9
	I	16 00.0
EUR	IP	17 16 00.8
SLC	E(P)	17 16 14.6
FGU	EP	17 16 17.5
HON	ES	17 17 44.2
	E	21 46.2
MAY 14		
TUC	E(P)	17 16 04.5
MAY 14		
COL	EP	17 44 41.0
MAY 14		
BOZ	IP	18 21 18.0
	IS	21 25.0
MAY 14		
H-18 26 05.5		
26.4S 067.5W		
h ABOUT 15KM		
EUR	EP	18 38 14.4
BMO	E(P)	18 38 37.9
MAY 14		
EUR	IP	18 47 09.2
MAY 14		
SJG	IP	19 29 12.0
	IS	29 31.0
MAY 14		
COL	IP	19 38 43.7
MAY 14		
H-19 37 30.9		
15.5S 175.1W		
h ABOUT 33KM		
TUC	E(P)	19 49 26.0
BMO	EP	19 49 35.6
BOZ	EP	19 49 57.1
MAY 14		
EUR	E(P)	19 54 13.1
MAY 14		
COL	EP	20 00 45.0
MAY 14		
BOZ	EP	20 25 22.0
MAY 14		
H-20 27 27.7		
10.4N 063.0W		
h ABOUT 16KM		
SJG	E(P)	20 29 31.0
BHP	EP	20 31 17.5
CSC	EP	20 33 28.0
	E	33 32.0
WSC	E(P)	20 33 48.7
	EpP	33 53.8
ALQ	IP	20 35 56.5
TUC	IP	20 36 16.2
FGU	EP	20 36 29.5
GCA	EP	20 36 32.5
BCN	E(P)	20 36 47.5
BUT	E(P)	20 36 52.0
	I	37 00.0
BOZ	IP	20 36 54.1
	IpP	36 59.0
EUR	IP	20 37 01.0
HHM	EP	20 37 13.0
	EpP	37 17.0
BMO	EP	20 37 18.3
	E	37 31.6
SLD	IP D	20 37 25.7
	IpP	37 30.3
COL	IP	20 39 28.3
BRW	IP C	20 39 44.6
MAY 14		
SJG	E(P)	20 36 04.9
MAY 14		
ALQ	IP	22 47 13.6
	I	47 38.6
MAY 14		
EUR	IP	22 57 53.0
MAY 14		
H-23 00 42.6		
36.9N 022.4E		
h ABOUT 40KM		
HHM	EP	23 13 20.0
BMO	E(P)	23 13 39.8
	E	13 49.4
MAY 14		
BRW	E(P)	23 06 16.1
MAY 14		
EUR	IP	23 52 12.0
MAY 15		
COL	EP	00 35 05.0
MAY 15		
COL	EP	02 01 24.0
MAY 15		
H-02 13 03.7		
39.7N 074.4E		
h ABOUT 62KM		
COL	IP	02 24 14.3
BMO	E(P)	02 26 23.0
MAY 15		
H-03 38 09.7		
05.3S 152.1E		
h ABOUT 55KM		
COL	IP	03 50 27.5
BMO	EP	03 51 23.7
EUR	IP	03 51 28.0
MAY 15		
EUR	EP	03 54 46.7
MAY 15		
SJG	IP	04 01 15.7
	IS	01 21.4
MAY 15		
COL	EP	04 20 26.0
BMO	EP	04 22 17.0
MAY 15		
H-04 34 10.8		
53.4N 167.9W		
h ABOUT 33KM		
COL	EP	04 37 47.0

Date and Station	Phase (GCT)
	h m s
BRW EP D	04 38 28.1
BMO EP	04 40 49.0
E	41 46.8
HHM EP	04 40 50.5
IPCP	43 30.0
EUR IP	04 41 23.8
BCN EP	04 41 49.6
TUC EP	04 42 27.7
ALQ E(P)	04 42 34.5
MAY 15	
ALQ EP	04 44 11.0
E	44 14.0
MAY 15	
COL EP	05 21 40.0
BRW E(P)	05 22 11.6
MAY 15	
H-07 33 46.0	
48.8N 156.3E	
h ABOUT 33KM	
BRW EP	07 40 04.1
COL EP	07 40 22.0
BMO EP	07 43 24.4
E	43 43.4
EUR IP	07 43 53.6
MAY 15	
COL EP	08 11 46.0
MAY 15	
ALQ IP	09 00 30.8
FGU EP	09 01 22.0
BMO EP	09 02 18.4
MAY 15	
BCN EP	09 13 31.5
IL	14 09.5
MAY 15	
BCN IP	09 34 12.0
IL	34 49.5
EUR IP	09 34 54.8
MAY 15	
H-10 11 06.0	
35.2N 027.2E	
h ABOUT 25KM	
HHM EP	10 24 03.2
BMO EP	10 24 22.6
MAY 15	
GUA IP	12 05 06.0
MAY 15	
COL EP	13 00 48.0

Date and Station	Phase (GCT)
	h m s
MAY 15	
TUC E(P)	14 44 30.5
EL	45 41.7
MAY 15	
H-14 46 06.5	
51.4N 178.4W	
h ABOUT 30KM	
COL EP	14 50 47.0
ES	54 26.0
BRW IP C	14 51 02.7
I(S)	54 34.9
IPCP	54 58.0
SIT E(P)	14 51 45.5
KIP IP	14 52 48.7
HON EP	14 52 49.2
IS	58 15.6
BMO IP	14 53 42.5
EpP	53 51.3
E	57 59.0
HHM IP C	14 53 43.2
IpP	53 51.4
I	54 04.0
SLD IP	14 54 00.5
IpP	54 08.5
I	56 02.5
EUR IP C	14 54 14.3
IS	15 00 52.0
SLC EP	14 54 27.5
EpP	54 36.4
ES	15 01 09.2
BCN IP	14 54 37.4
IpP	54 46.2
GUA EP	14 54 42.0
ES	15 01 30.0
GCA EP	14 54 46.9
IpP	54 55.9
RCD EP	14 54 51.6
E	59 58.0
TUC IP	14 55 13.8
ES	15 02 32.0
ALQ IP	14 55 21.0
IS	15 02 48.0
WSC E(P)	14 56 55.6
E	57 10.8
E	57 39.7
E	15 25 24.6
CSC E(P)	14 57 08.0
E	15 06 06.0
BHP EP	14 58 57.5
SJG EP	14 58 59.9
IpP	59 09.9

Date and Station	Phase (GCT)
	h m s
MAY 15	
BMO IP	14 57 59.2
EUR E(P)	15 25 24.6
MAY 15	
H-17 16 16.7	
36.6N 070.9E	
h ABOUT 226KM	
BRW EP	17 26 48.7
COL IP	17 27 31.7
MAY 15	
BRW E(P)	17 41 20.8
MAY 15	
EUR IP	18 06 48.2
MAY 15	
H-20 16 04.1	
01.5S 078.0W	
h ABOUT 195KM	
TUC IP	20 24 08.5
EpP	24 46.0
EUR IP	20 25 08.0
BMO EP	20 25 37.0
E	26 12.4
BRW E(P)	20 28 32.4
MAY 15	
BRW EP	20 20 04.0
MAY 15	
BMO IP	21 43 20.3
EUR IP	21 44 11.2
MAY 15	
BCN IP D	21 52 45.3
IS	52 46.3
MAY 16	
H-02 46 39.8	
06.9S 129.4E	
h ABOUT 188KM	
GUA IP	02 51 53.0
ES	56 05.0
KIP IP	02 58 12.0
BRW IP C	02 59 24.8
COL IP	02 59 32.5
BMO EP'	03 04 52.9
HHM IP'	03 04 55.3
EPKKP	15 42.9
EUR IP'	03 04 57.9
EPKKP	15 41.1
BOZ EP'	03 05 01.0
I	15 37.5

Date and Station	Phase (GCT)
	h m s
BCN EP'	03 05 01.6
E	05 12.1
TUC IP'C	03 05 08.3
EPKKP	15 26.8
RCD EP'	03 05 11.5
ALQ IP'	03 05 14.4
IPKKP	15 13.4
CSC EP'	03 05 50.5
BHP EP'	03 06 06.0
I	06 12.3
SJG IP'	03 06 19.0
I	07 05.0
MAY 16	
BMO EP	03 00 57.8
E	01 21.6
HHM E(P)	03 01 02.3
EUR EP	03 01 03.3
MAY 16	
COL IP	03 16 41.1
MAY 16	
COL EP	05 20 55.0
MAY 16	
EUR IP	05 35 07.2
MAY 16	
HHM E(P)	05 51 19.4
MAY 16	
EUR IP	05 53 55.0
MAY 16	
BMO EP	06 15 09.5
EUR IP	06 16 06.0
ALQ EP	06 17 34.0
TUC E(P)	06 17 34.8
MAY 16	
EUR IP	06 40 42.8
MAY 16	
EUR EP	06 52 51.2
MAY 16	
SJG EP	07 14 56.5
IS	15 26.0
MAY 16	
EUR EP	07 24 32.4
MAY 16	
EUR IP	07 29 05.5
ALQ EP	07 30 36.0
MAY 16	
BMO E(P)	07 52 15.6

Date and Station	Phase	(GCT)
		h m s
MAY 16		
H-08 28 23.6		
.8N 126.8E		
h ABOUT 33KM		
BRW	EP	08 40 57.1
COL	EP	08 41 07.0
EUR	EP'	08 46 53.5
MAY 16		
COL	EP	10 26 23.0
MAY 16		
COL	EP	10 28 49.0
MAY 16		
EUR	IP	10 50 07.8
MAY 16		
H-11 13 19.9		
15.1S 167.5E		
h ABOUT 139KM		
EUR	EP	11 26 03.2
MAY 16		
BHP	EP	11 21 28.0
	I	21 55.7
MAY 16		
COL	EP	11 26 22.0
BMO	EP	11 26 42.4
MAY 16		
HHM	EP	11 41 32.9
BMO	EP	11 41 35.7
COL	EP	11 44 44.0
MAY 16		
COL	EP	11 54 50.0
MAY 16		
BCN	IP D	12 52 22.2
	IS	52 23.2
MAY 16		
H-12 57 43.3		
36.6N 034.3W		
h ABOUT 33KM		
BOZ	EP	13 07 27.0
BMO	EP	13 07 55.4
BRW	E(P)	13 08 22.7
MAY 16		
H-13 06 38.4		
30.6N 130.3E		
h ABOUT 71KM		
GUA	E(P)	13 11 25.5
BRW	EP	13 16 10.2
	I	16 30.2
COL	IP	13 16 35.1
HHM	IP	13 18 55.6
	E	19 16.3
BMO	EP	13 18 57.6
	E	19 18.3
BOZ	IP	13 19 12.0
EUR	IP	13 19 18.5
ALQ	E(P)	13 20 00.0
MAY 16		
COL	EP	13 30 14.0
MAY 16		
H-13 39 46.3		
53.2N 168.3W		
h ABOUT 33KM		
COL	EP	13 43 25.0
BRW	EP	13 44 06.2
EUR	EP	13 47 00.0
MAY 16		
TUC	E(P)	14 20 48.8
EUR	IP	14 20 57.0
MAY 16		
BHP	IP	14 23 19.8
	I	23 36.3
MAY 16		
H-14 51 00.4		
15.9S 174.1W		
h ABOUT 116KM		
TUC	EP	15 02 43.5
BMO	EP	15 02 54.9
COL	IP	15 03 13.3
MAY 16		
BMO	EP	14 57 44.4
MAY 16		
COL	EP	16 03 27.0
MAY 16		
COL	EP	16 30 18.0
EUR	IP	16 34 58.2
MAY 16		
ALQ	IP	16 43 45.5
	I	44 21.5
MAY 16		
EUR	IP	16 57 07.0
MAY 16		
EUR	IP	17 05 45.2
MAY 16		
ALQ	E(P)	17 08 25.5
MAY 16		
H-17 30 54.0		
34.4N 026.5E		
h ABOUT 30KM		
BRW	EP	17 42 32.6
HHM	EP	17 43 54.1
	E	44 08.4
BMO	E(P)	17 44 12.6
	E	44 29.3
MAY 16		
COL	E(P)	17 42 35.1
MAY 16		
ALQ	IP	19 08 47.0
MAY 16		
COL	EP	19 46 13.0
MAY 16		
H-20 02 24.5		
61.8N 026.7W		
h ABOUT 33KM		
COL	E(P)	20 10 40.0
MAY 16		
H-20 09 36.8		
17.2N 120.0E		
h ABOUT 56KM		
BRW	EP	20 20 55.3
	EpP	21 11.1
COL	EP	20 21 15.5
MAY 16		
BMO	E(P)	20 10 43.4
MAY 16		
HHM	EP	20 39 44.4
	EL	40 15.3
MAY 16		
BMO	E(P)	20 47 47.6
MAY 16		
ALQ	IP	22 05 16.5
	I	05 48.0
MAY 16		
ALQ	IP	22 27 30.4
MAY 16		
BMO	E(P)	23 08 49.4
MAY 16		
H-23 16 37.9		
53.4N 167.9W		
h ABOUT 33KM		
COL	IP	23 20 13.4
BRW	EP	23 20 54.7
BMO	EP	23 23 16.0
HHM	EP	23 23 16.4
EUR	IP	23 23 51.1
TUC	EP	23 24 55.5
MAY 16		
COL	EP	23 55 11.5
MAY 17		
COL	EP	00 24 55.0
MAY 17		
BMO	EP	00 28 31.0
EUR	IP	00 29 08.6
MAY 17		
H-00 59 06.7		
35.7N 140.4E		
h ABOUT 77KM		
GUA	EP	01 04 02.1
	ES	08 03.0
COL	IP	01 07 59.8
HHM	IP	01 10 32.1
BMO	EP	01 10 32.5
	E	10 44.0
BOZ	IP C	01 10 48.5
	I	10 58.0
EUR	IP	01 10 55.2
RCD	EP	01 11 19.0
TUC	EP	01 11 35.1
ALQ	IP	01 11 41.4
MAY 17		
SJG	IP	01 08 51.5
	IS	09 11.0
MAY 17		
H-01 47 41.3		
17.3N 098.8W		
h ABOUT 74KM		
TUC	EP	01 51 53.2
	E(S)	52 02.0
ALQ	IP	01 51 57.0
	I	57 38.0
EUR	IP	01 53 16.2
BOZ	EP	01 53 47.0
	E	54 06.5
BMO	EP	01 53 58.2
	E	54 07.8
SJG	I(P)	01 54 04.7
HHM	EP	01 54 14.1
	E	54 23.6
COL	EP	01 57 26.0
BRW	E(P)	01 58 17.1
MAY 17		
ALQ	EP	01 49 51.5
MAY 17		
BRW	EP	03 20 31.8
MAY 17		
EUR	IP	03 44 14.2

Date and Station	Phase (GCT)
	h m s
MAY 17	
EUR E(P)	04 02 56.6
MAY 17	
COL EP	04 22 38.0
MAY 17	
H-04 30 44.8	
6.8S 129.2E	
h ABOUT 185KM	
BRW EP	04 43 30.1
COL EP	04 43 38.0
ALQ EP'	04 49 20.0
MAY 17	
BMO E(P)	05 29 38.4
MAY 17	
H-05 40 18.8	
5.7S 151.8E	
h ABOUT 49KM	
GUA IP	05 44 54.0
E(S)	49 03.0
COL IP	05 52 39.9
BRW E(P)	05 52 45.0
BMO EP	05 53 35.9
E	53 51.7
EUR IP	05 53 40.8
MAY 17	
H-07 03 32.7	
.7N 029.9E	
h ABOUT 35KM	
BRW EP'	07 22 19.2
HHM EP'	07 22 26.5
FGU EP'	07 22 31.1
EPP	24 16.0
BMO IP'	07 22 34.6
ALQ IP'	07 22 35.0
IPP	24 27.5
EUR IP'	07 22 41.8
TUC EP'	07 22 44.0
BCN EP'	07 22 46.0
MAY 17	
COL IP	07 14 23.8
MAY 17	
COL EP	07 22 58.0
MAY 17	
H-09 11 53.4	
51.2N 178.3W	
h ABOUT 33KM	
COL EP	09 16 35.0
BRW EP	09 16 49.8

Date and Station	Phase (GCT)
	h m s
HHM E(P)	09 19 29.0
BMO EP	09 19 29.2
E	19 43.7
EUR IP	09 20 01.0
ALQ E(P)	09 21 07.5
MAY 17	
H-09 33 31.1	
18.5S 167.6E	
h ABOUT 32KM	
EUR IP	09 46 36.2
BRW EP	09 46 41.4
TUC E(P)	09 46 42.6
MAY 17	
COL EP	09 34 09.0
MAY 17	
COL IP	09 44 25.6
MAY 17	
COL IP	12 01 46.3
MAY 17	
ALQ IP	12 07 30.2
I	08 15.0
MAY 17	
ALQ IP	16 03 41.0
I	04 11.0
MAY 17	
H-16 58 17.6	
44.1S 075.5W	
h ABOUT 33KM	
SJG EP	17 08 36.5
E	08 44.4
TUC EP	17 10 38.3
ALQ IP	17 10 43.5
I	10 52.0
GCA EP	17 11 02.0
BCN EP	17 11 03.0
EPP	11 13.0
FGU EP	17 11 14.5
EUR IP	17 11 19.1
BMO EP	17 11 42.0
EPP	11 51.0
COL IP'	17 17 08.0
BRW IP'C	17 17 20.3
MAY 17	
TUC EP	17 09 12.0
EUR IP	17 09 12.9
BMO EP	17 09 22.6
ALQ E(P)	17 09 32.0

Date and Station	Phase (GCT)
	h m s
MAY 17	
ALQ IP	17 38 16.0
MAY 17	
EUR IP	17 41 48.2
MAY 17	
H-18 55 34.9	
44.0S 075.6W	
h ABOUT 33KM	
TUC EP	19 07 56.8
E	08 10.2
ALQ IP	19 08 02.0
I	08 11.2
EUR IP	19 08 38.0
BRW EP'	19 14 38.4
MAY 17	
ALQ EP	19 53 49.0
MAY 17	
EUR IP	20 02 21.0
MAY 17	
EUR EP	20 54 29.0
MAY 17	
BMO IP	21 00 51.4
MAY 17	
GUA IP	21 21 10.0
IS	21 28.0
MAY 17	
ALQ IP	21 29 37.0
I	30 14.4
BMO EP	21 33 15.9
MAY 17	
BMO E(P)	21 42 10.5
COL EP	21 42 29.0
MAY 17	
EUR IP	21 45 28.2
MAY 17	
EUR E(P)	21 51 38.0
MAY 17	
ALQ EP	22 05 37.0
MAY 17	
EUR EP	22 10 12.7
MAY 17	
COL EP	22 21 56.0
EUR E(P)	22 24 00.7
MAY 17	
ALQ EP	23 33 17.0
MAY 17	
EUR IP	23 54 28.6

Date and Station	Phase (GCT)
	h m s
MAY 17	
H-23 58 20.9	
29.6S 176.8W	
h ABOUT 33KM	
BMO E(P)	24 11 26.2
E	11 41.1
ALQ E(P)	24 11 30.0
COL EP	24 11 50.0
MAY 18	
EUR IP	00 58 04.0
MAY 18	
EUR EP	01 15 04.6
MAY 18	
H-01 41 52.0	
25.5N 122.4E	
h ABOUT 58KM	
HHM IP	01 54 50.5
EPP	55 05.1
BMO EP	01 54 52.8
EPP	55 05.0
BOZ E(P)	01 55 05.5
E	57 24.5
MAY 18	
H-01 46 34.0	
00.7N 029.9E	
h ABOUT 34KM	
BMO EP'	02 05 37.0
EUR EP'	02 05 43.2
TUC EP'	02 05 46.0
MAY 18	
H-03 41 18.2	
20.7S 174.3W	
h ABOUT 33KM	
BMO E(P)	03 53 42.5
EPP	53 53.8
ALQ E(P)	03 53 52.0
COL IP	03 54 05.2
MAY 18	
EUR IP	03 59 34.0
TUC EP	03 59 34.0
BMO EP	03 59 44.0
ALQ E(P)	03 59 54.0
MAY 18	
H-04 25 05.2	
32.5S 072.1W	
h ABOUT 33KM	
ALQ E(P)	04 36 42.8
EUR E(P)	04 37 26.5

Date and Station	Phase	(GCT) h m s
MAY 18		
H-04 51 57.3		
51.2N 179.9E		
h ABOUT 33KM		
COL	E(P)	04 56 45.6
	E	56 53.1
BOZ	EP	05 00 05.5
	E	00 09.5
EUR	IP	05 00 13.5
ALQ	E(P)	05 01 19.5
MAY 18		
COL	IP	04 59 54.0
MAY 18		
EUR	IP	06 20 36.0
MAY 18		
COL	EP	06 34 31.0
MAY 18		
H-07 23 08.9		
2.9S 137.2E		
h ABOUT 68KM		
BRW	E(P)	07 35 38.6
COL	EP	07 35 43.5
SLD	I(P)	07 35 50.1
BMO	E(P)	07 36 49.3
	E	36 59.8
HHM	I(P)	07 37 16.7
	I	37 27.9
	IS	41 44.7
CSC	IP'	07 42 05.0
	E	46 30.0
SJG	EP'	07 42 59.0
	E	49 18.0
MAY 18		
H-07 32 07.2		
25.0N 109.1W		
h ABOUT 33KM		
TUC	E(P)	07 33 52.8
	ES	35 14.0
ALQ	IP	07 34 35.5
	IS	37 08.0
BCN	EP	07 35 00.0
	EL	39 02.5
GCA	EP D	07 35 02.5
	EL	38 39.5
EUR	IP	07 35 48.1
FGU	EP	07 35 51.0
	EL	40 33.0
SLC	EP	07 35 51.6
	EL	39 15.9
	I	41 00.7
RCD	EP	07 36 35.6
	E	40 46.0
BOZ	IP D	07 36 47.4
	EL	40 52.5
BUT	E(P)	07 36 52.8
CHK	E(P)	07 37 24.1
	E	37 50.1
	ES	41 46.1
WSC	E(P)	07 38 17.9
	E	38 28.4
	EPCP	41 17.4
BHP	EP	07 38 32.0
SJG	EP	07 39 39.7
	I	39 49.6
HON	I(P)	07 40 27.0
	E(S)	47 11.4
KIP	E(P)	07 40 29.4
COL	IP	07 40 36.5
BRW	EP D	07 41 23.8
	I	41 32.5
MAY 18		
SLD	E(P)	07 39 50.0
BOZ	EP	07 40 40.0
BMO	EP	07 40 42.1
MAY 18		
BMO	EP	07 43 08.6
HHM	IP	07 43 36.6
MAY 18		
BMO	E(P)	07 48 55.0
MAY 18		
H-07 53 34.4		
24.8N 108.9W		
h ABOUT 33KM		
TUC	E(P)	07 55 25.0
ALQ	E(P)	07 56 05.0
BCN	EP	07 56 30.0
	EL	08 00 31.5
GCA	EP	07 56 33.2
	EL	08 00 09.5
EUR	IP	07 57 21.2
FGU	EP	07 57 24.5
	EL	08 02 07.5
SLD	E(P)	07 57 27.0
BOZ	EP	07 58 17.0
BMO	EP	07 58 18.7
HHM	IP	07 58 46.6
	I	58 53.6
MAY 18		
BMO	EP	08 04 46.7
MAY 18		
H-08 05 01.7		
24.8N 108.9W		
h ABOUT 38KM		
TUC	IP	08 06 51.0
ALQ	E(P)	08 07 30.8
BCN	EP	08 07 56.7
GCA	EP	08 07 58.0
	EL	11 37.0
EUR	EP	08 08 44.1
FGU	EP	08 08 50.5
	EL	13 32.0
BOZ	EP	08 09 42.7
BMO	EP	08 09 44.9
	E	09 54.7
HHM	IP	08 10 11.9
MAY 18		
TUC	E(P)	08 40 13.0
COL	EP	08 41 14.0
EUR	EP	08 42 10.8
BMO	EP	08 43 07.9
MAY 18		
ALQ	EP	09 39 07.0
EUR	IP	09 40 20.6
BMO	EP	09 41 14.6
MAY 18		
EUR	EP	10 24 01.0
MAY 18		
BCN	EP	11 46 29.2
MAY 18		
SLD	E(P)	12 50 20.5
	ES	50 39.0
MAY 18		
H-12 52 25.4		
0.7S 121.6E		
h ABOUT 33KM		
BRW	EP	13 05 13.6
MAY 18		
H-13 06 50.3		
19.1S 067.5W		
h ABOUT 249KM		
ALQ	EP	13 17 06.5
BMO	EP	13 18 23.5
MAY 18		
H-13 12 42.0		
38.1N 112.0W		
h ABOUT 33KM		
GCA	IP C	13 13 01.0
	IS	13 16.0
BCN	E(P)	13 13 34.2
	E	13 42.8
	EL	14 11.7
EUR	EP	13 13 34.5
ALQ	IP	13 14 03.4
	I	14 23.4
TUC	E(P)	13 14 10.0
MAY 18		
EUR	IP	15 05 28.9
MAY 18		
EUR	IP	15 24 58.9
MAY 18		
EUR	IP	15 47 10.0
MAY 18		
COL	EP	16 06 10.0
MAY 18		
H-17 25 50.1		
5.9N 116.7E		
h ABOUT 33KM		
BRW	IP D	17 38 15.7
	I	38 20.6
COL	EP	17 38 36.0
ALQ	EP'	17 44 33.0
MAY 18		
EUR	IP	18 11 13.8
MAY 18		
EUR	IP	18 54 53.1
MAY 18		
ALQ	IP	19 09 02.5
BMO	E(P)	19 09 45.2
EUR	IP	19 11 00.0
MAY 18		
EUR	IP	19 16 34.9
MAY 18		
BCN	I(P)	19 49 58.2
MAY 18		
H-20 05 38.5		
36.4N 009.9W		
h ABOUT 37KM		
BMO	E(P)	20 17 22.3
MAY 18		
COL	EP	20 27 28.0

Date and Station	Phase (GCT) h m s
MAY 18	
FGU IP C	20 29 23.2
IS	29 24.3
ALQ IP	20 32 49.5
I	33 21.0
MAY 18	
ALQ IP	20 46 29.5
I	47 00.0
MAY 18	
BOZ IP	20 59 25.0
IL	59 32.0
MAY 18	
EUR IP	21 59 29.5
MAY 18	
EUR IP	22 05 35.5
MAY 18	
ALQ IP	22 33 04.2
I	33 12.0
MAY 18	
SJG IP	23 06 13.2
IS	06 32.0
MAY 18	
GUA IP	23 07 34.0
IS	07 51.0
MAY 18	
BRW E(P)	23 30 48.5
MAY 19	
SJG EP	00 13 42.5
IL	14 30.0
MAY 19	
H-00 26 42.2	
36.9N 107.0W	
h ABOUT 5KM	
ALQ IP	00 27 19.2
IS	27 47.2
GCA IP	00 27 42.3
IL	28 30.2
FGU E(P)	00 27 54.5
I	28 03.0
IL	28 56.0
SLC E(P)	00 27 58.0
E	28 23.6
TUC EP	00 28 06.8
EL	29 27.0
BCN E(P)	00 28 19.1
I	28 43.7
IL	30 02.5
EUR IP	00 28 35.5
MAY 19	
ALQ IP	00 44 26.8
I	44 54.4
GCA E(P)	00 44 51.5
EL	45 40.5

Date and Station	Phase (GCT) h m s
MAY 19	
BCN E(P)	05 48 29.0
EL	49 40.4
TUC E(P)	05 48 32.0
EUR IP	05 49 17.0
MAY 19	
H-05 58 37.8	
39.8N 077.8E	
h ABOUT 13KM	
BRW E(P)	06 09 03.7
COL EP	06 09 49.0
MAY 19	
H-07 06 24.4	
54.1N 164.1W	
h ABOUT 9KM	
COL EP	07 09 39.0
ES	12 20.0
SIT I(P)	07 10 25.0
EL	13 36.0
BRW IP D	07 10 33.5
E(S)	13 34.7
EL	16 46.5
HHM IP	07 12 45.7
I	15 36.7
IS	17 50.3
BMO IP	07 12 47.0
E	13 03.2
HON IP	07 13 02.0
IS	18 21.0
KIP IP	07 13 02.1
IPP	14 04.5
BUT EP	07 13 04.7
IS	18 27.2
EL	20 14.7
BOZ EP	07 13 11.0
ES	18 26.0
SLD E(P)	07 13 15.5
EPCP	15 46.5
ISCP	19 28.0
BZM EP	07 13 15.5
ESCP	19 32.0
EUR EP C	07 13 21.1
ISCP	19 34.5
SLC EP	07 13 35.5
E	13 56.0
ESCP	19 38.5
FGU EP	07 13 46.0
EPCP	15 59.5
ESCP	19 44.5
BCN EP	07 13 48.1
IPCP	16 01.5
ESCP	19 44.3

Date and Station	Phase (GCT) h m s
GCA EP	07 13 57.5
RCD EP	07 14 01.5
TUC E(P)	07 14 27.0
EPCP	16 15.5
ES	20 46.0
ALQ IP	07 14 33.5
I	16 20.5
IS	20 17.0
CHK E(P)	07 15 29.6
ES	22 26.8
GUA EP	07 16 06.0
ES	23 55.0
WSC IP	07 16 17.0
E	16 24.4
E	16 38.2
CSC E(P)	07 16 27.6
ES	24 30.0
SJG EP	07 18 36.2
IS	28 37.0
MAY 19	
BMO EP	07 19 19.2
E	20 07.9
MAY 19	
BHP EP	07 28 26.0
MAY 19	
EUR E(P)	07 44 10.0
E	45 54.5
BOZ EP	07 44 15.0
BMO E(P)	07 44 26.3
E	45 45.8
MAY 19	
BMO E(P)	07 45 49.2
E	46 01.2
MAY 19	
EUR IP	08 04 15.7
MAY 19	
H-08 44 02.0	
01.4S 091.3W	
h ABOUT 33KM	
TUC EP	08 51 21.0
ALQ EP	08 51 26.0
FGU EP	08 52 18.0
MAY 19	
BMO EP	09 11 03.1
MAY 19	
H-09 18 34.4	
54.0N 163.7W	
h ABOUT 33KM	
COL EP	09 21 46.0
BRW EP	09 22 39.2
E	22 57.1

Date and Station	Phase (GCT) h m s
BMO E(P)	09 24 50.9
EUR IP	09 25 27.0
BOZ E(P)	09 26 15.0
TUC EP	09 26 32.5
E	26 42.5
ALQ E(P)	09 26 37.7
MAY 19	
ALQ EP	09 28 24.0
MAY 19	
COL EP	09 57 28.0
MAY 19	
FGU IP	10 07 27.0
IS	07 44.8
EUR IP	10 08 24.7
MAY 19	
EUR EP	10 48 21.1
MAY 19	
H-11 38 25.7	
05.2S 153.7E	
h ABOUT 48KM	
COL EP	11 50 41.0
MAY 19	
H-11 56 22.4	
29.7S 176.9W	
h ABOUT 21KM	
EUR I(P)	12 09 24.8
BMO E(P)	12 09 31.8
E	09 43.9
COL EP	12 09 52.0
MAY 19	
ALQ E(P)	12 24 34.0
MAY 19	
COL EP	13 00 34.5
E(S)	01 39.1
MAY 19	
BMO E(P)	13 02 47.4
MAY 19	
H-13 56 28.0	
37.1N 116.0W	
h ABOUT 0KM	
BCN IP C	13 56 55.5
EUR IP	13 57 08.5
GCA IP C	13 57 25.9
SLD IP C	13 57 32.5
IL	58 40.5
SLC EP	13 57 45.1
IL	59 07.1
TUC IP C	13 58 05.0

Date and Station	Phase (GCT)
	h m s
FGU IP C	13 58 07.5
BMO EPN	13 58 25.2
ALQ IP	13 58 27.0
IL	14 00 44.5
BOZ IP C	13 58 45.0
IL	14 01 06.0
BUT IP	13 58 47.0
IL	14 01 18.8
BZM EP	13 58 49.0
HHM IP	13 59 13.6
IL	14 02 32.3
RCD EP	13 59 21.6
E	59 28.5
SIT IP	14 01 43.0
CSC EP	14 02 26.5
EL	11 31.0
WSC EP	14 02 43.5
E	03 39.1
EL	12 29.1
COL IP C	14 03 10.4
I	05 50.2
KIP I	14 04 02.0
BRW IP C	14 04 05.5
SJG IP C	14 05 05.8
MAY 19	
BMO E(P)	14 35 50.4
E	36 02.0
MAY 19	
FGU EP	14 38 58.5
MAY 19	
COL EP	14 45 51.0
BRW EP	14 46 47.4
MAY 19	
H-15 37 17.9	
37.1N 116.0W	
h ABOUT 0KM	
BCN IP	15 37 44.7
GCA EP	15 38 16.9
I	38 25.0
IL	39 13.0
SLD E(P)	15 38 29.0
IL	39 31.0
SLC EP	15 38 36.6
BMO EPN	15 39 16.9
ALQ IP	15 39 19.2
I	39 48.2
IL	41 31.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	15 39 36.0
EL	42 44.0
HHM EP	15 40 05.9
EL	43 28.3
MAY 19	
H-17 37 19.1	
17.6S 071.9W	
h ABOUT 19KM	
ALQ EP	17 47 39.0
BMO EP	17 48 59.4
E	49 26.9
MAY 19	
EUR IP	17 40 46.8
MAY 19	
COL IP	17 43 52.1
MAY 19	
BMO E(P)	17 43 38.9
MAY 19	
UKI E(P)	18 32 47.0
MAY 19	
BRW E(P)	20 04 43.3
MAY 19	
FGU EP	20 11 55.0
IL	12 24.8
MAY 19	
HHM E(P)	22 10 55.6
EL	11 55.4
MAY 19	
FGU EP	22 17 35.3
EL	17 54.5
MAY 19	
COL EP	22 20 21.0
MAY 19	
EUR IP	22 39 55.0
MAY 19	
H-23 08 04.7	
17.4S 168.6E	
h ABOUT 212KM	
COL EP	23 20 31.0
BCN EP	23 20 40.6
EUR IP	23 20 42.2
BMO EP	23 20 46.6
E	21 16.5
TUC EP	23 20 49.5
MAY 19	
EUR IP	23 34 29.6
MAY 19	
ALQ IP	23 40 37.0
MAY 19	
EUR IP	23 53 28.2

Date and Station	Phase (GCT)
	h m s
MAY 20	
EUR EP	00 01 19.5
MAY 20	
ALQ IP	00 10 12.5
I	10 38.0
MAY 20	
H-00 30 42.2	
36.5N 138.2E	
h ABOUT 61KM	
BRW EP	00 39 15.6
COL E(P)	00 39 39.0
HHM E(P)	00 42 12.9
BMO EP	00 42 14.8
E	42 31.5
BOZ EP	00 42 30.0
EUR E(P)	00 42 43.7
MAY 20	
H-00 53 00.0	
43.0N 000.2W	
h ABOUT 35KM	
BOZ EP	01 04 27.0
BMO EP	01 04 45.4
MAY 20	
BCN IP	00 58 34.0
IS	58 36.8
MAY 20	
COL IP	01 51 34.0
I	51 44.4
IL	52 25.5
BRW EP	01 52 29.9
E(S)	54 26.0
MAY 20	
H-02 53 48.5	
25.6N 128.3E	
h ABOUT 60KM	
GUA IP	02 58 18.0
ES	03 01 53.0
BRW EP D	03 03 58.3
I	04 08.5
COL EP	03 04 20.0
HHM IP	03 06 32.0
I	06 45.8
BMO EP	03 06 33.3
BOZ IP	03 06 46.5
IpP	07 02.0
EUR IP D	03 06 52.2
EpP	07 06.5
BCN IP	03 07 05.0
IpP	07 21.0
EsP	07 28.5

Date and Station	Phase (GCT)
	h m s
MAY 20	
BMO E(P)	03 17 09.7
MAY 20	
BCN IP	03 43 59.8
IS	44 02.8
MAY 20	
BCN IP	03 45 35.5
IS	45 38.4
MAY 20	
H-03 51 18.1	
14.8N 091.7W	
h ABOUT 33KM	
ALQ E(P)	03 56 33.0
TUC E(P)	03 56 37.5
EUR IP	03 57 48.2
BMO EP	03 58 25.4
MAY 20	
H-03 58 01.3	
11.6N 082.6W	
h ABOUT 33KM	
BHP IP D	03 59 02.0
S	59 45.0
ALQ EP	04 04 25.0
TUC E(P)	04 04 35.5
E	04 44.5
EUR EP	04 05 39.9
BOZ EP	04 05 51.0
MAY 20	
BOZ E(P)	04 18 31.0
EL	19 14.0
MAY 20	
BHP EP	04 26 48.0
MAY 20	
HHM EP	04 20 28.7
MAY 20	
EUR EP	04 57 45.3
MAY 20	
H-05 22 58.3	
53.3N 168.3W	
h ABOUT 33KM	
COL EP	05 26 37.0
BRW EP	05 27 17.0
EUR EP	05 30 13.2
MAY 20	
BRW E(P)	05 40 12.1
MAY 20	
BOZ E(P)	06 20 52.0
MAY 20	
BOZ E(P)	06 28 26.0
EL	31 11.0

Date and Station	Phase (GCT)
	h m s
BMO E(P)	06 29 06.9
ALQ EP	06 29 50.0
MAY 20	
BMO E(P)	06 34 41.3
MAY 20	
H-06 41 05.5	
19.4S 069.8W	
h ABOUT 98KM	
BMO EP	06 52 50.6
MAY 20	
COL E(P)	06 56 55.0
MAY 20	
BMO EP	07 02 52.5
BOZ EP	07 03 14.0
MAY 20	
H-07 31 09.4	
36.0N 117.4W	
h ABOUT 16KM	
BCN EP	07 31 43.7
I	31 47.0
IL	32 14.8
SLD EP	07 32 04.5
IL	33 50.3
EUR EP	07 32 05.9
I	32 15.8
EL	33 02.5
GCA E(P)	07 32 23.4
E	32 35.0
EL	33 39.0
MAY 20	
H-07 38 03.5	
5.1N 018.6E	
h ABOUT 33KM	
COL E(P)	07 42 14.0
MAY 20	
SLD EP	07 41 23.7
BCN E(P)	07 41 41.4
E	41 45.0
EUR E(P)	07 41 46.5
BMO E(P)	07 41 57.6
GCA EP	07 42 01.0
ALQ IP	07 42 11.0
FGU E(P)	07 42 14.5
BOZ EP	07 42 18.0
E	42 21.0
MAY 20	
H-07 46 33.8	
60.7S 024.7W	
h ABOUT 33KM	
BMO EP'	08 05 39.2
COL EP'	08 06 30.6
I	06 46.0
MAY 20	
H-08 12 01.8	
50.2N 177.7E	
h ABOUT 33KM	
COL EP	08 17 06.0
BRW IP	08 17 15.9
HHM E(P)	08 19 04.7
E	20 10.2
BMO EP	08 19 58.6
E	20 21.5
BOZ IP	08 20 22.5
EUR IP D	08 20 30.0
E	21 13.8
BCN EP	08 20 52.4
E	21 29.9
TUC EP	08 21 28.1
ALQ EP	08 21 35.0
E	22 35.8
MAY 20	
BMO EP	08 21 49.3
MAY 20	
H-09 14 49.1	
13.9N 146.1E	
h ABOUT 65KM	
GUA IP	09 15 11.0
I(S)	15 38.0
HON EP	09 24 02.1
IS	31 09.5
KIP IP	09 24 03.1
ES	31 22.0
COL E(P)	09 25 38.3
E(PP)	28 14.6
E(S)	34 30.0
EP'P'	54 06.0
BRW IP D	09 25 34.6
I	25 56.8
E	28 54.6
SLD EP	09 27 13.4
BMO IP	09 27 18.5
E	28 01.5
HHM IP D	09 27 24.7
I	27 36.0
ESKS	37 27.2
EUR IP C	09 27 30.5
I(PP)	31 02.0
E(S)	38 08.0
BOZ IP C	09 27 36.5
ISKS	38 03.0
BCN EP C	09 27 39.3
ESKS	38 40.0
BUT I(P)	09 27 42.8
E	37 58.8
SLC IP	09 27 43.0
I	28 00.6
GCA EP	09 27 49.8
FGU IP C	09 27 50.1
TUC EP	09 28 00.0
E(S)	38 36.0
RCD EP	09 28 05.5
E	38 38.0
ALQ IP	09 28 11.0
BHP E(P)	09 33 51.0
E	37 12.0
MAY 20	
TUC (PN)	10 32 52.2
EUR E(P)	10 34 35.5
E	36 21.4
MAY 20	
H-10 39 13.6	
20.3S 113.4W	
h ABOUT 33KM	
EUR IP	10 49 17.0
BMO EP	10 49 52.1
MAY 20	
H-11 44 27.5	
54.9N 165.7E	
h ABOUT 35KM	
BRW EP D	11 49 29.8
COL IP	11 49 46.3
HHM E(P)	11 53 02.9
BMO EP	11 53 05.9
E	53 16.2
BOZ IP	11 53 25.5
SLD EP	11 53 31.5
EUR IP	11 53 40.2
FGU EP	11 53 58.5
BCN EP	11 54 03.0
RCD EP	11 54 05.0
GCA EP	11 54 10.0
TUC E(P)	11 54 37.2
ALQ IP	11 54 40.0
MAY 20	
H-12 11 37.8	
38.0N 112.1W	
h ABOUT 18KM	
GCA IP C	12 11 58.3
IS	12 12.8
BCN E(P)	12 12 31.0
EL	13 09.0
EUR IP	12 12 31.5
FGU E(P)	12 12 41.9
E	13 17.5
ALQ IP	12 13 00.2
I	13 20.8
IL	14 28.5
TUC (P)	12 13 15.2
MAY 20	
GCA EP	12 19 25.7
IS	19 40.4
EUR E(P)	12 19 58.5
MAY 20	
GCA IP C	12 32 31.5
IS	32 46.5
EUR EP	12 33 14.0
E	33 58.1
MAY 20	
H-12 34 17.2	
14.1N 146.3E	
h ABOUT 33KM	
GUA IP	12 34 42.0
IS	35 00.0
BRW EP	12 45 05.0
COL EP	12 45 09.0
BMO IP	12 46 49.0
E	47 06.8
HHM IP	12 46 54.9
EUR EP	12 47 01.0
E	47 25.3
BOZ IP	12 47 07.0
E	47 29.5
BCN EP	12 47 09.5
MAY 20	
SJG IP	12 43 49.3
IS	43 51.4
MAY 20	
GCA IP C	13 10 28.3
IS	10 42.8
EUR E(P)	13 10 58.5
MAY 20	
EUR EP	13 33 24.0

Date and Station	Phase	Phase (GCT) h m s
H-13 40 23.8		
37.9N 112.1W		
h ABOUT 18KM		
GCA	EP	13 40 43.2
	IS	40 58.2
BCN	E(P)	13 41 15.5
EUR	IP	13 41 16.5
FGU	E(P)	13 41 25.7
	E	41 48.0
ALQ	IP	13 41 45.0
	I	42 05.5
	I	42 31.0
H-13 40 48.8		
37.9N 112.1N		
h ABOUT 18KM		
GCA	IP C	13 41 08.0
	IS	41 23.2
SLC	EP	13 41 34.8
BCN	EP	13 41 39.0
	IL	42 18.5
EUR	IP	13 41 41.4
FGU	EP	13 41 48.0
	EL	42 35.0
TUC	E(P)	13 42 07.0
SLD	E(P)	13 42 39.0
	IL	44 35.0
BOZ	E(P)	13 42 40.0
BMO	EPN	13 42 47.4
COL	E(P)	13 47 33.4
MAY 20		
GCA	IP C	13 45 46.1
	IS	46 01.0
MAY 20		
H-13 50 33.2		
38.0N 112.1W		
h ABOUT 18KM		
GCA	IP C	13 50 53.0
	IS	51 08.0
BCN	EP	13 51 25.0
	IL	52 03.7
EUR	IP	13 51 26.0
ALQ	IP	13 51 54.6
	I	52 15.5
MAY 20		
GCA	IP C	13 55 05.6
	IS	55 20.6
MAY 20		
H-14 06 33.3		
50.3N 177.9E		
h ABOUT 33KM		
COL	E(P)	14 11 35.8
BMO	IP	14 14 32.3
	EpP	14 41.7
BOZ	EP	14 14 53.0
EUR	IP	14 15 00.4
MAY 20		
GCA	IP C	14 11 14.8
	IS	11 29.5
EUR	IP	14 11 55.6
MAY 20		
H-14 19 35.0		
37.9N 112.1W		
h ABOUT 18KM		
GCA	IP C	14 19 54.5
	IS	20 09.5
EUR	EP	14 20 27.2
	E	20 37.1
	EL	26 18.0
ALQ	E(P)	14 21 06.5
MAY 20		
EUR	IP	14 24 14.0
MAY 20		
HHM	E(P)	14 49 13.6
MAY 20		
BCN	E(P)	14 53 35.5
	EL	54 57.0
EUR	IP	14 54 25.8
MAY 20		
GCA	IP C	14 57 41.9
	IS	57 56.3
MAY 20		
GCA	EP	15 06 08.7
	IS	06 23.0
MAY 20		
COL	EP	15 09 49.0
MAY 20		
GCA	EP	15 42 22.0
	IS	42 36.7
MAY 20		
GCA	IP C	15 43 52.3
	IS	44 06.5
MAY 20		
TUC	EPN	16 28 00.1
EUR	IP	16 29 11.0
ALQ	E(P)	16 29 23.0
MAY 20		
BMO	E(P)	16 32 04.3
MAY 20		
H-18 02 35.5		
19.4N 122.0E		
h ABOUT 49KM		
GUA	IP	18 07 35.0
	ES	11 51.0
BRW	IP C	18 13 36.8
COL	IP	18 13 58.9
HHM	E(P)	18 15 59.4
BMO	EP	18 16 00.4
	EsP	16 26.0
BOZ	EP	18 16 13.9
	E	19 15.0
EUR	IP D	18 16 19.1
	E	19 22.0
	E(PP)	20 20.3
	EPKKP	33 00.5
ALQ	IP'	18 21 02.4
	I	21 55.5
BHP	IP'C	18 22 07.0
MAY 20		
H-18 13 48.8		
19.7N 121.9E		
h ABOUT 33KM		
BRW	EP	18 24 51.1
COL	EP	18 25 13.0
MAY 20		
ALQ	EP	18 52 08.0
MAY 20		
H-19 57 41.3		
50.4N 129.9W		
h ABOUT 33KM		
BMO	E(P)	20 00 05.9
	E	00 16.6
EUR	IP	20 01 08.7
ALQ	E(P)	20 02 49.1
MAY 20		
H-20 09 00.3		
40.6N 073.4E		
h ABOUT 21KM		
BRW	EP	20 19 25.9
COL	IP	20 20 12.0
BOZ	IP	20 22 19.5
	IpP	22 26.0
MAY 20		
ALQ	IP	21 01 58.6
	I	02 36.0
BCN	EP	21 03 00.0
	E	03 26.0
MAY 20		
EUR	IP	22 03 04.6
MAY 20		
COL	E(P)	22 09 49.5
MAY 20		
TUC	E(P)	23 33 40.5
EUR	IP	23 35 07.4
MAY 20		
EUR	E(P)	23 42 53.3
MAY 20		
H-23 58 51.7		
50.2N 129.7W		
h ABOUT 37KM		
BMO	E(P)	24 01 19.1
HHM	EP	24 01 20.5
	I	01 26.7
	E	03 30.2
SLD	EP	24 02 15.5
EUR	IP C	24 02 16.2
	IpP	02 22.9
	E	03 14.1
	I	03 48.9
SLC	EP	24 02 32.3
	E	02 37.4
COL	EP	24 02 55.0
	ESS	06 24.0
GCA	EP	24 03 09.5
RCD	EP	24 03 14.0
	ESS	07 10.0
TUC	EP	24 03 52.0
	E(S)	08 08.0
ALQ	IP	24 03 52.5
BRW	EP	24 04 09.5
MAY 21		
EUR	EP	00 01 19.8
MAY 21		
BOZ	IP	00 05 40.0
MAY 21		
EUR	EP	00 10 02.0
MAY 21		
COL	EP	00 15 59.0
	IL	17 03.0
MAY 21		
ALQ	E(P)	00 15 32.5
MAY 21		
BMO	E(P)	00 20 00.8
	E	20 19.4
MAY 21		
EUR	IP	01 12 31.2
MAY 21		
BMO	EP	01 40 26.2
EUR	IP	01 41 34.0
MAY 21		
EUR	IP	02 38 33.6

Date and Station	Phase (GCT)
	h m s
MAY 21	
H-02 44 36.0	
50.1N 129.6W	
h ABOUT 33KM	
BMO EP	02 46 56.5
BOZ EP	02 47 41.0
EUR EP	02 47 57.5
IPP	48 06.3
COL E(P)	02 48 39.5
TUC E(P)	02 49 34.8
ALQ IP	02 49 36.2
MAY 21	
EUR E(P)	03 12 48.2
E	12 57.8
MAY 21	
EUR IP	03 15 50.3
MAY 21	
H-03 24 58.6	
30.9N 042.1W	
h ABOUT 33KM	
EUR E(P)	03 35 01.4
MAY 21	
COL E(P)	04 45 38.5
MAY 24	
EUR EP	04 49 14.5
MAY 21	
COL EP	06 07 51.8
MAY 21	
HHM E(P)	07 09 52.4
MAY 21	
H-07 44 20.1	
8.1S 074.4W	
h ABOUT 160KM	
SJG EP	07 49 51.5
I	49 54.3
ALQ EP	07 53 18.8
E	53 24.0
TUC EP	07 53 23.0
EUR IP	07 54 19.3
BOZ IP	07 54 32.0
BMO EP	07 54 46.7
COL IP	07 57 04.6
MAY 21	
EUR E(P)	07 59 36.2
MAY 21	
SLD EP	08 04 36.0
I	05 00.0

Date and Station	Phase (GCT)
	h m s
MAY 21	
H-08 08 30.8	
24.3S 179.9E	
h ABOUT 518KM	
BCN IP C	08 20 17.0
I	20 26.5
EPP	22 12.5
TUC IP C	08 20 21.8
EPP	22 14.0
EUR IP C	08 20 22.8
EPP	22 15.8
GCA IP C	08 20 30.0
BMO EP	08 20 32.8
SLC EP	08 20 38.2
ALQ IP	08 20 41.5
COL EP	08 20 44.0
EPP	22 37.0
E(PP)	24 25.3
BOZ IP	08 20 51.0
MAY 21	
BCN E(P)	08 14 28.6
E	14 34.6
EL	15 19.0
MAY 21	
BMO E(P)	09 16 36.6
EUR IP	09 17 45.7
MAY 21	
H-10 51 01.4	
21.1S 174.6W	
h ABOUT 75KM	
SLD EP	11 02 46.5
BCN IP C	11 03 05.0
EPP	03 24.8
TUC IP C	11 03 09.8
EUR IP	11 03 11.8
GCA IP C	11 03 20.0
EPCP	03 27.5
BMO EP	11 03 23.7
EPP	03 43.9
SLC EP	11 03 29.1
E	03 40.1
ALQ IP	11 03 32.5
HHM EP	11 03 41.9
BOZ IP	11 03 41.9
COL EP	11 03 42.0
BRW E(P)	11 04 05.6
MAY 21	
BOZ E(P)	11 35 49.0

Date and Station	Phase (GCT)
	h m s
MAY 21	
GUA E(P)	11 38 31.0
MAY 21	
GUA IP	11 49 31.0
IS	49 53.0
MAY 21	
COL IP	13 39 54.6
BRW E(P)	13 41 27.9
BMO E(P)	13 44 27.6
MAY 21	
COL IP	13 39 54.6
IL	40 32.2
MAY 21	
BRW EP	13 56 52.0
MAY 21	
BMO EP	14 13 36.3
MAY 21	
BRW E(P)	15 03 02.6
MAY 21	
BCN EP	16 26 13.5
MAY 21	
EUR E(P)	17 28 59.0
MAY 21	
H-17 43 14.8	
03.3N 125.4E	
h ABOUT 178KM	
BRW EP	17 55 23.0
MAY 21	
BRW E(P)	18 32 54.3
MAY 21	
H-18 41 58.6	
-9.6N 126.0E	
h ABOUT 76KM	
BRW IP D	18 53 46.6
COL EP	18 53 59.0
BMO EP	18 55 44.2
MAY 21	
EUR IP	18 47 14.0
MAY 21	
GCA IP	18 56 46.8
IS	57 01.8
EUR IP	18 57 29.2
MAY 21	
H-19 05 15.7	
5.3S 153.3E	
h ABOUT 68KM	
COL EP	19 17 29.0
MAY 21	
EUR E(P)	20 25 39.7
E	26 41.2

Date and Station	Phase (GCT)
	h m s
MAY 21	
BMO E(P)	21 04 23.8
MAY 21	
HHM E(P)	21 13 07.6
EL	13 45.7
MAY 21	
HHM E(P)	21 44 26.6
MAY 21	
BCN EP	21 47 24.9
IL	47 55.5
MAY 21	
BOZ EP	21 52 15.6
MAY 21	
EUR IP	22 13 48.2
MAY 21	
H-22 39 14.8	
19.1S 169.5E	
h ABOUT 238KM	
SLD EP	22 51 30.0
COL IP	22 51 45.2
BCN IP	22 51 49.0
EUR IP	22 51 51.9
BMO EP	22 51 56.6
TUC EP	22 51 57.4
ALQ EP	22 52 16.1
SJG IP'	22 57 51.5
MAY 21	
ALQ IP	22 50 41.6
I	51 07.0
MAY 21	
ALQ E(P)	23 15 33.0
MAY 21	
BMO E(P)	23 25 09.5
EUR EP	23 26 18.4
MAY 21	
H-23 53 50.7	
18.0S 178.4W	
h ABOUT 555KM	
SLD EP	24 04 47.0
BCN EP	24 05 06.0
EUR IP	24 05 11.9
TUC EP	24 05 13.9
BMO EP	24 05 21.2
HHM E(P)	24 05 38.4
MAY 21	
ALQ EP	23 57 49.5

Date and Station	Phase	(GCT) h m s
MAY 21		
SLD	EP	23 58 28.7
MAY 22		
TUC	E(P)	00 46 42.6
MAY 22		
BOZ	IP	02 16 10.0
	IS	16 14.5
MAY 22		
H-02 52 11.9		
7.4S 155.6E		
h ABOUT 79KM		
GUA	E(P)	02 57 19.0
	ES	03 01 39.0
COL	IP	03 04 29.5
BRW	IP C	03 04 37.3
EUR	IP	03 05 21.0
SJG	IP'	03 11 29.5
MAY 22		
H-03 25 19.1		
7.4S 155.7E		
h ABOUT 97KM		
COL	IP	03 37 35.5
BRW	EP	03 37 42.9
MAY 22		
TUC	E(P)	04 14 24.2
MAY 22		
COL	E(P)	04 16 03.0
MAY 22		
COL	EP	05 29 10.0
MAY 22		
TUC	E(P)	05 29 44.6
MAY 22		
TUC	EP	05 30 09.5
MAY 22		
BRW	EP	05 30 19.9
MAY 22		
ALQ	E(P)	05 30 22.0
GCA	EP	05 31 17.5
EUR	IP	05 31 52.8
BOZ	EP	05 32 45.0
BMO	E(P)	05 32 46.6
MAY 22		
H-05 37 47.3		
20.3N 109.9W		
h ABOUT 33KM		
ALQ	IP	05 41 15.6
GCA	EP	05 41 46.0
EUR	EP	05 42 23.7
BOZ	EP	05 43 16.0
BMO	E(P)	05 43 24.2
MAY 22		
H-05 48 07.9		
21.1N 108.8W		
h ABOUT 33KM		
TUC	EP	05 50 50.2
EUR	EP	05 52 34.3
BOZ	E(P)	05 53 26.0
MAY 22		
H-06 06 30.0		
21.0N 108.9W		
h ABOUT 25KM		
TUC	EP	06 09 13.5
ALQ	IP	06 09 50.0
BCN	EP	06 10 13.5
GCA	EP	06 10 21.0
	E	11 11.0
EUR	IP	06 10 57.5
BOZ	EP	06 11 51.0
BMO	E(P)	06 11 52.8
MAY 22		
H-06 13 59.0		
21.2N 108.7W		
h ABOUT 39KM		
TUC	E(P)	06 16 39.2
ALQ	EP	06 17 17.0
GCA	EP	06 17 47.0
EUR	IP	06 18 23.2
MAY 22		
TUC	E(P)	06 23 42.0
MAY 22		
H-06 30 29.4		
21.0N 108.9W		
h ABOUT 33KM		
TUC	E(P)	06 33 13.0
MAY 22		
TUC	E(P)	06 33 52.0
MAY 22		
EUR	E(P)	06 41 49.8
MAY 22		
GUA	E(P)	07 09 42.0
MAY 22		
H-07 37 28.5		
38.7N 028.0E		
h ABOUT 33KM		
COL	EP	07 49 17.0
WSC	EP	07 49 17.9
MAY 22		
H-07 42 50.6		
21.2N 108.7W		
h ABOUT 60KM		
TUC	EP	07 45 29.3
	ES	47 34.0
ALQ	IP	07 46 06.4
	I	46 23.0
BCN	EP	07 46 29.1
	E	52 26.0
GCA	EP	07 46 34.0
SLD	EP	07 47 11.5
EUR	IP	07 47 13.0
SLC	EP	07 47 21.5
	I	47 24.5
BMO	EP	07 48 06.8
	E	48 15.9
BOZ	IP C	07 48 07.0
	E(S)	52 44.0
	EL	54 44.0
BUT	E(P)	07 48 10.5
HHM	IP	07 48 32.6
	I	48 38.8
	E(S)	08 53 25.4
SJG	IP	07 50 23.0
KIP	IP	07 51 08.5
	I	51 13.3
HON	EP	07 51 09.0
	I	51 14.1
	E(S)	58 02.0
COL	IP	07 51 46.0
BRW	E(P)	07 52 30.7
MAY 22		
BHP	EP	07 54 14.0
MAY 22		
GUA	IP	08 43 44.0
	ES	47 00.0
MAY 22		
H-09 23 28.0		
21.3N 108.7W		
h ABOUT 33KM		
TUC	EP	09 26 08.0
BCN	EP	09 27 07.1
GCA	E(P)	09 27 15.5
EUR	IP	09 27 53.0
BOZ	EP	09 28 46.0
BMO	EP	09 28 46.6
MAY 22		
H-09 29 22.9		
21.1N 108.8W		
h ABOUT 50KM		
TUC	EP	09 32 02.8
	E(S)	34 18.0
ALQ	IP	09 32 39.4
BCN	EP	09 33 03.0
	EL	39 46.0
GCA	EP	09 33 07.5
SLD	EP	09 33 44.4
EUR	IP	09 33 47.0
SLC	EP	09 33 57.5
BOZ	IP	09 34 40.0
	I	34 46.7
	I	34 54.5
BUT	E(P)	09 34 40.5
BMO	EP	09 34 41.3
HHM	E(P)	09 35 05.8
MAY 22		
BOZ	IP	09 57 22.0
MAY 22		
H-10 02 54.7		
21.0N 108.7W		
h ABOUT 33KM		
TUC	E(P)	10 05 36.5
ALQ	EP	10 06 15.0
EUR	EP	10 07 22.4
BOZ	E(P)	10 08 08.0
MAY 22		
H-10 12 59.2		
21.0N 108.9W		
h ABOUT 33KM		
TUC	E(P)	10 15 42.2
EUR	EP	10 17 26.3
BOZ	EP	10 18 19.5
MAY 22		
BOZ	EP	10 13 21.4
	I	13 56.7
MAY 22		
BCN	EP	11 15 39.1
	ES	15 57.0
EUR	IP	11 15 57.5
MAY 22		
COL	IP	11 24 30.2
EUR	EP	11 25 27.8

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	h m s
MAY 22	
EUR E(P)	11 28 25.3
MAY 22	
COL IP	11 24 30.2
MAY 22	
EUR IP	11 55 51.0
MAY 22	
HHM E(P)	14 11 33.4
MAY 22	
GUA IP	14 22 58.0
IS	23 08.0
MAY 22	
SJG IP D	14 42 33.3
IS	42 56.1
MAY 22	
EUR IP	14 43 36.2
BOZ IP	14 46 12.9
BMO E(P)	14 46 36.8
MAY 22	
H-14 50 47.2	
20.6N 109.0W	
h ABOUT 26KM	
TUC EP	14 53 34.5
ALQ EP	14 54 12.2
GCA E(P)	14 54 39.0
EUR IP	14 55 19.8
BOZ E(P)	14 56 10.0
BMO E(P)	14 56 12.8
MAY 22	
H-16 14 05.7	
58.1N 032.7W	
h ABOUT 33KM	
BRW E(P)	16 22 19.5
HHM EP	16 22 33.4
BOZ IP	16 22 40.4
COL IP	16 22 42.8
EUR IP	16 23 30.9
MAY 22	
H-16 43 16.8	
36.7N 140.7E	
h ABOUT 53KM	
BRW EP	16 51 44.8
COL EP	16 52 06.0
BMO EP	16 54 39.9
E(▸P)	54 54.7
BOZ IP	16 54 52.2
I	55 10.5
EUR IP	16 55 03.8
MAY 22	
SJG IP	16 52 28.5
IS	52 51.6
MAY 22	
H-18 03 46.1	
21.0N 108.7W	
h ABOUT 34KM	
TUC E(P)	18 06 29.0
EUR E(P)	18 08 12.3
BOZ EP	18 09 05.0
BMO EP	18 09 06.0
MAY 22	
BOZ E(P)	18 07 47.0
MAY 22	
GUA EP	20 49 48.0
MAY 22	
BOZ E(P)	21 23 28.0
MAY 22	
BOZ EP	21 28 03.5
I	28 13.5
MAY 22	
ALQ IP	21 34 22.0
MAY 22	
BOZ IP	21 44 42.4
IL	44 56.0
BUT E(P)	21 44 55.6
EL	45 18.6
HHM E(P)	21 45 39.1
EL	46 35.6
MAY 22	
BOZ IP	21 49 35.5
IL	49 49.0
HHM E(P)	21 50 35.8
EL	51 33.4
MAY 22	
H-22 19 35.9	
52.0N 175.0E	
h ABOUT 33KM	
COL IP	22 24 38.6
BRW IP	22 24 40.4
EUR IP	22 28 13.2
MAY 22	
COL EP	22 39 12.0
MAY 23	
H-00 02 50.0	
07.4S 155.8E	
h ABOUT 119KM	
COL IP	00 15 03.3
BRW I(P)	00 15 18.2
BMO EP	00 15 51.7
EUR EP	00 15 55.0
E	17 51.9
BCN E(P)	00 16 07.5
TUC E(P)	00 16 08.2
MAY 23	
ALQ IP	00 16 43.5
BOZ EP	00 17 44.6
BMO E(P)	00 18 45.5
MAY 23	
BOZ EP	00 21 24.5
HHM IP	00 22 10.8
I	22 16.1
BMO EP	00 22 13.0
MAY 23	
HHM EP	01 01 31.1
BMO EP	01 01 33.0
MAY 23	
TUC E(P)	01 13 06.8
MAY 23	
H-01 18 12.8	
21.0N 108.8W	
h ABOUT 33KM	
TUC E(P)	01 20 55.0
EUR IP	01 22 39.4
BOZ EP	01 23 32.5
BMO EP	01 23 33.0
E	23 41.7
MAY 23	
H-01 25 58.8	
52.8N 033.7W	
h ABOUT 33KM	
BOZ E(P)	01 34 39.5
BMO E(P)	01 35 13.2
MAY 23	
H-01 28 53.2	
52.6N 033.9W	
h ABOUT 33KM	
BOZ EP	01 37 39.2
COL EP	01 38 03.0
BMO E(P)	01 38 03.8
EUR E(P)	01 38 26.6
MAY 23	
COL EP	01 42 09.0
MAY 23	
BOZ IP	01 48 00.0
E	48 14.0
BUT E(P)	01 48 05.1
EL	48 35.6
HHM E(P)	01 49 04.7
E(L)	49 53.7
MAY 23	
H-02 14 17.1	
20.4S 173.6W	
h ABOUT 33KM	
TUC E(P)	02 26 24.4
BMO E(P)	02 26 39.4
ALQ IP	02 26 47.5
COL EP	02 27 01.0
BOZ E(P)	02 27 08.5
MAY 23	
H-02 28 43.9	
21.1N 108.8W	
h ABOUT 36KM	
TUC E(P)	02 31 25.2
EUR E(P)	02 33 05.0
BMO EP	02 34 02.8
BOZ EP	02 34 03.0
MAY 23	
H-02 30 42.0	
18.9S 169.4E	
h ABOUT 241KM	
EUR EP	02 43 18.2
MAY 23	
BCN IP	03 00 24.8
ES	00 28.5
MAY 23	
COL IP	04 41 13.3
MAY 23	
H-05 00 58.2	
20.9N 108.8W	
h ABOUT 31KM	
BCN E(P)	05 05 41.5
EUR IP	05 05 26.0
BOZ EP	05 06 19.0
BMO EP	05 06 19.5
E▸P	06 28.1
MAY 23	
H-05 58 59.7	
16.1S 174.6W	
h ABOUT 82KM	
SLD EP	06 10 22.0
EUR IP	06 10 49.0
TUC E(P)	06 10 49.0
BMO EP	06 11 00.2

Date and Station	Phase	(GCT)
		h m s
GCA	E(P)	06 11 03.3
ALQ	IP	06 11 13.8
COL	EP	06 11 16.0
BUT	EP	06 11 17.6
BOZ	EP	06 11 21.0
HHM	EP	06 11 24.0
BCN	E(P)	06 11 43.0
MAY 23		
H-06 06 00.1		
7.6N 073.5W		
h ABOUT 59KM		
TUC	E(P)	06 13 51.3
EUR	E(P)	06 14 47.5
MAY 23		
BOZ	EP	06 14 30.5
	E	14 51.5
MAY 23		
COL	E(P)	06 40 15.0
MAY 23		
ALQ	EP	06 52 22.0
MAY 23		
H-07 05 06.3		
30.5N 140.2E		
h ABOUT 100KM		
BRW	E(P)	07 14 13.3
	E	14 21.2
	I	15 06.8
COL	E(P)	07 14 30.0
HHM	EP	07 16 50.5
BMO	EP	07 16 50.9
BUT	EP	07 17 02.5
BOZ	EP	07 17 06.5
BCN	E(P)	07 17 10.5
EUR	EP	07 17 10.7
MAY 23		
H-07 05 49.7		
29.9N 140.1E		
h ABOUT 103KM		
COL	E(P)	07 15 17.0
BMO	EP	07 17 37.4
HHM	IP	07 17 37.5
	IPCP	17 44.5
BUT	EP	07 17 49.0
BOZ	EP	07 17 53.4
	IPCP	18 01.0
EUR	E(P)	07 17 56.5

Date and Station	Phase	(GCT)
		h m s
MAY 23		
H-07 11 08.4		
36.0N 70.3E		
h ABOUT 155KM		
COL	EP	07 22 38.0
MAY 23		
COL	EP	07 44 18.0
	E	44 29.4
	IL	45 12.6
MAY 23		
ALQ	IP	07 46 42.5
	IS	47 07.6
GCA	EP	07 47 07.0
	E	47 14.3
	E	48 00.3
MAY 23		
H-07 47 28.3		
16.9S 173.0W		
h ABOUT 33KM		
TUC	E(P)	07 59 20.1
EUR	IP	07 59 24.1
BMO	EP	07 59 33.3
ALQ	IP	07 59 44.4
BOZ	EP	07 59 53.5
COL	EP	07 59 55.8
	IPCP	08 00 05.7
MAY 23		
COL	E(P)	08 02 40.5
BMO	EP	08 05 00.8
HHM	E(P)	08 05 01.7
BOZ	EP	08 05 17.2
MAY 23		
SLD	IP	08 07 00.5
	IS	07 18.5
MAY 23		
EUR	IP	08 09 18.2
MAY 23		
H-08 22 47.7		
21.1N 108.9W		
h ABOUT 33KM		
h ABOUT 33KM		
EUR	EP	08 27 14.0
BOZ	EP	08 28 07.0
BMO	EP	08 28 08.1
MAY 23		
H-08 39 44.5		
30.1N 139.8E		
h ABOUT 28KM		
GUA	EP	08 43 43.5
	E	47 01.0

Date and Station	Phase	(GCT)
		h m s
BRW	IP D	08 49 03.2
	IpP	49 11.9
COL	IP D	08 49 20.7
	IpP	49 29.6
	IPCP	50 28.3
KIP	IP	08 49 24.4
HON	EP	08 49 26.8
	IS	57 26.4
BMO	EP	08 51 40.9
HHM	IP D	08 51 41.7
	IPCP	51 50.3
SLD	EP	08 51 48.0
	IPCP	51 56.8
BUT	IP	08 51 52.0
BOZ	IP D	08 51 56.8
	IpP	52 06.0
EUR	IP D	08 52 00.8
	IPCP	52 06.7
BCN	EP	08 52 13.2
	EPCP	52 20.0
GCA	EP	08 52 22.0
TUC	E(P)	08 52 37.2
ALQ	IP	08 52 44.0
MAY 23		
H-08 49 22.0		
30.4N 140.1E		
h ABOUT 33KM		
BRW	EP	08 58 37.6
COL	EP	08 58 54.0
BMO	EP	09 01 14.9
HHM	EP	09 01 15.3
BUT	EP	09 01 27.1
BOZ	EP	09 01 31.0
	IPCP	01 38.5
EUR	EP	09 01 34.7
MAY 23		
BMO	EP	09 06 33.1
MAY 23		
BMO	E(P)	09 14 14.8
MAY 23		
ALQ	IP	09 47 41.0
	I	48 09.8
MAY 23		
COL	EP	10 20 55.0
MAY 23		
BMO	E(P)	11 24 55.0
HHM	E(P)	11 24 55.8

Date and Station	Phase	(GCT)
		h m s
MAY 23		
BMO	E(P)	11 29 23.5
HHM	EP	11 29 28.7
MAY 23		
EUR	EP	11 40 31.3
MAY 23		
H-11 51 26.6		
21.3N 108.7W		
h ABOUT 37KM		
TUC	EP	11 54 05.9
	ES	56 11.0
ALQ	IP	11 54 43.0
	I	57 30.0
BCN	E(P)	11 55 05.1
	EL	12 00 13.0
GCA	EP	11 55 10.2
SLD	EP	11 55 50.0
EUR	IP C	11 55 50.0
	I	56 03.3
	E(S)	59 30.5
	E	12 01 10.5
SLC	EP	11 55 54.6
BOZ	EP	11 56 43.0
	I	56 53.5
	E(S)	12 01 16.0
	E	03 08.0
BMO	EP	11 56 43.7
	EpP	56 54.5
BUT	EP	11 56 48.0
	ES	12 01 16.5
	E	05 22.5
HHM	EP	11 57 10.5
	E	57 24.2
	ES	12 01 59.0
	E	07 29.0
BHP	EP C	11 57 43.0
SJG	EP	11 59 01.7
	IpP	59 15.5
	ES	12 05 17.0
KIP	E(P)	11 59 46.8
COL	EP	12 00 24.0
BRW	E(P)	12 01 03.3
HON	ES	12 06 44.0
MAY 23		
COL	E(P)	12 45 10.5
MAY 23		
H-12 59 33.6		
20.7N 109.2W		
h ABOUT 33KM		
ALQ	E(P)	13 02 58.0

Date and Station	Phase (GCT)
	h m s
MAY 23	
H-14 22 33.1	
13.9N 146.3E	
h ABOUT 40KM	
GUA IP	14 22 57.9
KIP EP	14 31 49.3
HON EP	14 31 54.0
ES	39 26.8
BRW EP	14 33 20.8
I	33 25.2
IPCP	33 56.1
COL EP	14 33 25.0
ES	42 19.0
SLD EP	14 35 00.5
BMO EP	14 35 04.9
HHM IP	14 35 12.0
I	35 39.2
ESKS	45 41.6
EUR IP	14 35 16.9
BOZ IP	14 35 23.0
ES	46 10.0
BCN E(P)	14 35 26.0
SLC EP	14 35 30.1
E(pP)	35 47.6
E	35 58.6
GCA EP	14 35 36.5
TUC E(P)	14 35 45.9
ALQ EP	14 35 58.6
EpP	36 11.5
MAY 23	
SJG IP D	15 06 56.3
IS	07 21.5
IT	08 59.0
MAY 23	
BMO EP	15 28 26.2
HHM E(P)	15 28 26.7
MAY 23	
HHM E(P)	16 10 48.5
E	11 15.7
BOZ EP	16 11 04.0
MAY 23	
BRW EP	16 34 24.9
MAY 23	
EUR E(P)	17 48 57.2
E	49 29.5
ALQ IP	17 49 22.8
I	49 58.5

Date and Station	Phase (GCT)
	h m s
MAY 23	
H-18 00 16.0	
20.5S 068.8W	
h ABOUT 113KM	
SJG EP	18 07 26.0
IpP	07 53.8
IsP	08 06.9
IS	13 11.3
ALQ IP	18 10 50.8
IpP	11 18.6
TUC IP	18 10 54.0
IpP	11 21.7
GCA EP	18 11 19.3
EpP	11 46.6
EUR IP D	18 11 43.5
IsP	12 11.7
I	12 25.4
E	17 13.4
BOZ IP D	18 11 55.4
IpP	12 24.5
IsP	12 37.7
BMO IP	18 12 08.2
EpP	12 36.4
HHM IP	18 12 12.5
IpP	12 41.5
E(sP)	12 52.6
MAY 23	
H-18 00 40.6	
20.5S 068.7W	
h ABOUT 78KM	
ALQ EP	18 11 18.6
TUC EP	18 11 21.7
BCN E(P)	18 11 53.5
E	12 06.6
EUR EP	18 12 11.2
SLD EP	18 12 20.0
BOZ EP	18 12 24.5
BMO EP	18 12 36.4
COL E(P)	18 14 38.5
MAY 23	
BMO E(P)	18 42 12.2
MAY 23	
COL EP	18 42 21.0
MAY 23	
HHM EP	19 16 41.5
MAY 23	
GUA IP	19 34 12.5
ES	34 25.5
MAY 23	
H-20 45 46.8	
30.3N 139.7E	
h ABOUT 24KM	

Date and Station	Phase (GCT)
	h m s
GUA E(P)	20 49 48.0
E(S)	53 06.5
BRW EP	20 55 05.3
EpP	55 11.9
COL E(P)	20 55 23.0
BMO EP	20 57 43.0
HHM IP	20 57 43.4
I	57 47.4
IpP	57 50.4
EUR IP	20 58 03.0
BOZ EP	20 58 03.0
I	58 06.0
BCN E(P)	20 58 17.5
E	58 25.0
MAY 23	
ALQ IP	21 07 58.4
MAY 23	
EUR EP	21 48 18.2
MAY 23	
COL EP	21 59 16.2
MAY 23	
EUR IP	22 31 10.5
MAY 23	
H-22 32 40.2	
32.1S 071.7W	
h ABOUT 62KM	
EUR IP	22 44 56.5
BMO EP	22 45 20.1
E	45 44.3
MAY 23	
EUR IP	22 37 43.8
MAY 23	
EUR EP	23 44 05.5
MAY 24	
EUR EP	00 35 36.8
MAY 24	
H-01 15 16.6	
06.6S 153.9E	
h ABOUT 314KM	
COL EP	01 27 07.3
MAY 24	
HHM E(P)	01 21 31.8
EL	22 06.3
MAY 24	
BMO EP	02 05 03.6
MAY 24	
BOZ EP	02 34 40.0
MAY 24	
EUR EP	02 34 49.6

Date and Station	Phase (GCT)
	h m s
MAY 24	
EUR E(P)	03 06 29.7
I	06 47.1
BOZ EP	03 07 04.5
MAY 24	
GUA EP	03 13 09.0
MAY 24	
CED EP	03 41 33.5
ELG	43 17.5
MAY 24	
H-03 49 52.8	
39.7N 121.9W	
h ABOUT 2KM	
UKI IP	03 50 17.0
SLD IP D	03 50 37.5
IS	51 10.0
EUR IP	03 51 02.0
BMO IPN	03 51 25.6
BCN EP	03 51 35.1
E	51 57.8
EL	53 33.0
SLC E(P)	03 51 57.0
BUT E(P)	03 52 01.7
E	52 09.7
EL	54 52.7
GCA EP	03 52 05.0
EL	54 23.5
BOZ IP D	03 52 13.5
I	52 23.6
EL	54 48.0
HHM IP	03 52 23.3
IL	55 21.2
TUC EP	03 52 44.0
EL	56 01.7
ALQ IP	03 53 06.0
IL	56 44.5
COL EP	03 55 57.0
MAY 24	
TUC E(P)	04 00 20.0
MAY 24	
H-04 35 24.9	
30.1N 070.0E	
h ABOUT 26KM	
COL EP	04 47 37.2
MAY 24	
COL EP	05 37 17.0
MAY 24	
H-05 49 06.5	
39.5N 125.5W	
h ABOUT 1KM	
UKI IP C	05 49 38.8

Date and Station	Phase (GCT)
	h m s
SLD IP C	05 50 10.8
I	51 44.3
IT	52 40.4
EUR IP	05 50 58.5
I	52 30.4
BMO IP	05 51 08.6
E	51 37.1
BCN E(P)	05 51 15.5
E	53 20.5
BUT E(P)	05 51 44.7
E	51 54.7
BOZ EP	05 52 02.5
HHM IP	05 52 03.0
TUC EP	05 52 28.3
ALQ IP	05 52 56.0
I	56 10.5
RCD E(P)	05 53 10.5
COL EP C	05 55 04.8
BRW IP	05 56 06.9
SJG IP	05 58 43.6
IpP	58 45.4
IPCP	59 42.7
MAY 24	
KIP E(P)	06 29 24.0
E	30 19.0
MAY 24	
H-07 19 31.0	
54.2S 003.1E	
h ABOUT 33KM	
BOZ EP'	07 38 44.0
BMO EP'	07 38 56.1
HHM EP'	07 39 06.0
MAY 24	
SJG EP	07 29 39.0
IS	30 01.4
MAY 24	
COL E(P)	07 29 53.0
MAY 24	
BMO E(P)	07 35 16.1
MAY 24	
H-07 35 07.2	
34.0N 135.7E	
h ABOUT 385KM	
HHM E(P)	07 46 19.7
BMO E(P)	07 46 21.5
EUR IP	07 46 43.5
MAY 24	
SJG IP C	07 51 58.6
IS	52 02.0

Date and Station	Phase (GCT)
	h m s
MAY 24	
RCD EP	08 52 26.0
MAY 24	
H-09 39 23.7	
37.1N 021.8E	
h ABOUT 47KM	
BRW EP	09 50 46.3
I	50 55.6
HHM E(P)	09 52 07.8
E	52 44.3
BOZ EP	09 52 13.0
BMO EP	09 52 25.0
E	52 34.8
EUR EP	09 52 45.0
MAY 24	
EUR E(P)	10 23 28.3
MAY 24	
BMO EP	10 59 11.8
MAY 24	
EUR E(P)	11 07 13.1
MAY 24	
H-11 09 25.0	
37.4N 022.1E	
h ABOUT 43KM	
BRW EP	11 20 44.2
HHM IP	11 22 03.7
BOZ EP	11 22 11.0
BMO EP	11 22 22.6
E	22 32.7
EUR EP	11 22 43.0
MAY 24	
GCA EP	11 17 18.6
IS	17 32.5
EUR E(P)	11 17 59.6
MAY 24	
RCD EP	11 56 33.0
E	12 00 52.0
MAY 24	
COL E(P)	12 39 52.0
MAY 24	
RCD E(P)	14 35 52.0
MAY 24	
H-14 46 11.7	
34.2N 026.3E	
h ABOUT 59KM	
BRW EP	14 57 47.7
COL EP	14 58 23.9
HHM EP	14 59 09.8
BMO EP	14 59 28.8

Date and Station	Phase (GCT)
	h m s
MAY 24	
H-15 29 13.3	
25.5S 177.4W	
h ABOUT 118KM	
BCN EP	15 41 38.0
TUC E(P)	15 41 41.1
EUR IP	15 41 44.8
BMO EP	15 41 54.9
ALQ IP	15 42 02.0
IsP	42 38.0
BOZ EP	15 42 12.5
EsP	42 48.0
COL EP	15 42 13.0
MAY 24	
ALQ IP	15 58 31.8
IS	59 04.8
MAY 24	
BMO E(P)	17 34 18.9
MAY 24	
H-17 43 31.4	
34.8N 024.7E	
h ABOUT 43KM	
BRW IP	17 55 05.1
COL E(P)	17 55 40.5
HHM EP	17 56 25.3
EpP	56 34.3
BMO EP	17 56 43.7
E	56 52.9
MAY 24	
GUA EP	18 27 29.0
MAY 24	
ALQ IP	19 04 38.8
I	05 03.5
MAY 24	
ALQ IP	19 25 23.0
I	25 35.5
MAY 24	
EUR IP	19 42 57.0
MAY 24	
BHP IP D	20 01 29.5
IS	01 59.0
MAY 24	
H-20 19 42.3	
21.4N 108.6W	
h ABOUT 63KM	
TUC IP D	20 22 18.8
ES	24 23.0
ALQ IP	20 22 54.8
BCN EP D	20 23 19.5
E	29 00.0

Date and Station	Phase (GCT)
	h m s
GCA EP	20 23 23.0
SLD E(P)	20 24 01.0
EUR IP	20 24 03.0
SLC EP	20 24 06.9
BOZ EP	20 24 56.0
ES	29 28.0
EL	32 20.0
BMO EP	20 24 56.6
HHM EP	20 25 21.8
MAY 24	
BHP EP	20 38 25.0
E	57 26.0
MAY 24	
H-20 51 01.5	
02.3S 077.6W	
h ABOUT 28KM	
ALQ IP	20 59 24.0
TUC EP	20 59 29.8
BOZ EP	21 00 41.6
BMO E(P)	21 00 58.6
MAY 24	
COL E(P)	21 06 04.5
MAY 24	
BMO E(P)	21 08 40.3
E	08 53.5
EUR EP	21 09 04.8
MAY 24	
COL E(P)	23 23 27.0
MAY 24	
BMO E(P)	23 26 06.4
BOZ EP	23 26 23.0
EUR IP	23 26 29.8
MAY 25	
COL IP	00 02 08.1
IL	03 07.4
BMO E(P)	00 06 15.2
MAY 25	
EUR EP	00 12 52.6
E	13 12.7
MAY 25	
ALQ E(P)	03 10 05.5
MAY 25	
ALQ E(P)	04 07 43.0
MAY 25	
GUA IP	04 25 01.0
ES	25 22.0
MAY 25	
EUR IP	04 53 16.0

Date and Station	Phase (GCT)
	h m s
MAY 25	
COL EP	05 02 41.5
MAY 25	
TUC E(P)	07 17 47.0
BMO E(P)	07 17 56.4
COL EP	07 18 07.0
BOZ EP	07 18 14.6
MAY 25	
H-07 42 44.8	
4.8S 153.2E	
h ABOUT 104KM	
COL EP	07 54 53.0
EUR EP	07 55 51.2
HHM E(P)	07 56 06.5
E	56 13.0
MAY 25	
H-08 28 59.0	
6.4S 131.2E	
h ABOUT 40KM	
GUA IP	08 34 13.0
ES	38 26.0
COL EP	08 42 04.0
BMO E(P)	08 44 01.4
BMO EP'	08 47 26.9
EUR EP'	08 47 32.3
E	48 42.3
EPKKP	58 24.5
BCN EP'	08 47 35.5
E	49 02.0
BOZ EP'	08 47 35.8
EPKKP	58 27.5
TUC EP'	08 47 42.3
ALQ IP'	08 47 47.5
BHP IP'	08 48 47.0
SJG EP'	08 48 55.0
E	49 28.0
MAY 25	
COL EP	08 31 07.0
MAY 25	
EUR E(P)	08 43 44.8
BOZ E(P)	08 44 05.0
MAY 25	
SJG EP	08 52 53.3
ES	53 11.0
MAY 25	
BCN EP	09 06 27.2
BOZ IP	09 07 09.1
BMO E(P)	09 07 25.1
MAY 25	
H-09 06 56.8	
40.3N 019.8E	
h ABOUT 33KM	
COL EP	09 18 37.0
HHM IP	09 19 19.9
E	20 51.0
BOZ EP	09 19 28.5
E	21 03.5
BMO EP	09 19 40.7
EUR E(P)	09 20 01.2
MAY 25	
EUR EP	09 46 57.1
MAY 25	
COL E(P)	10 48 39.0
MAY 25	
COL EP	11 36 28.7
BOZ E(P)	11 38 37.0
E	39 05.0
MAY 25	
BMO E(P)	11 41 46.0
EUR EP	11 42 09.6
MAY 25	
ALQ EP	11 59 22.2
BCN EP	12 00 01.0
EUR E(P)	12 00 15.1
BOZ E(P)	12 00 48.0
BMO E(P)	12 00 49.7
E	01 06.1
MAY 25	
H-12 07 00.4	
21.7S 169.9E	
h ABOUT 9KM	
GUA EP	12 15 01.0
ES	21 22.0
HON EP	12 16 22.5
E	24 15.7
SLD EP	12 19 49.5
BCN EP	12 20 06.5
E	22 20.0
COL EP	12 20 10.0
EUR IP D	12 20 12.0
E	20 38.1
EPP	23 51.3
TUC E(P)	12 20 15.0
I	20 49.6
BMO EP	12 20 17.5
E	20 35.3
EPKKP	12 37 24.0
BOZ E(P)	12 20 36.5
E	21 17.0
MAY 25	
H-13 20 56.9	
52.8S 160.2E	
h ABOUT 33KM	
GUA IP	13 31 50.0
ES	40 29.0
HON IP	13 33 16.9
IS	43 37.7
I(SS)	49 00.0
KIP IP D	13 33 17.8
SLD EP'	13 39 25.0
E	40 23.0
TUC EP'	13 39 34.0
EPKKP	50 14.5
BCN EP'	13 39 35.5
EPKKP	50 08.0
E	50 20.0
EUR EP'	13 39 39.0
IPP	40 50.5
EPKKP	50 05.2
ALQ EP'	13 39 41.5
BMO EP'	13 39 44.5
EPKKP	49 52.3
COL EP'	13 39 50.0
E	41 06.2
IPP	41 33.5
BUT EP'	13 39 47.5
BOZ IP'	13 39 51.6
I	39 56.5
I	40 29.0
EPKKP	49 40.5
E	51 42.0
EP'P'	58 28.0
HHM IP'	13 39 51.9
I	40 01.0
EPKKP	49 36.0
RCD EP'	13 39 57.0
BRW EP'	13 39 57.8
I	40 35.1
E	40 58.5
WSC EP'	13 40 19.2
EPP	43 18.7
E	43 41.6
MAY 25	
COL EP	13 27 25.0
BMO E(P)	13 30 38.0
BOZ EP	13 30 51.5
MAY 25	
BHP E(P)	13 40 32.0
E	50 19.0
MAY 25	
H-13 59 06.4	
26.1S 180.0E	
h ABOUT 450KM	
TUC EP	14 11 08.5
EUR IP	14 11 10.5
BMO E(P)	14 11 20.7
MAY 25	
GUA EP	14 50 23.5
ES	50 35.0
MAY 25	
CED IP	15 34 56.7
IS	35 01.2
MAY 25	
H-16 29 54.5	
17.6S 070.9W	
h ABOUT 42KM	
BOZ EP	16 41 21.6
BMO EP	16 41 34.3
MAY 25	
ALQ IP	16 49 43.8
I	50 20.0
MAY 25	
H-16 58 56.3	
51.4N 170.9W	
h ABOUT 33KM	
COL IP	17 03 06.2
BRW IP	17 03 37.9
EsP	03 51.7
BOZ EP	17 06 18.5
EUR EP	17 06 25.5
MAY 25	
EUR IP	17 28 04.1
MAY 25	
COL EP	17 41 40.4
MAY 25	
HHM E(P)	17 46 42.0
EL	46 18.7
MAY 25	
HHM EP	18 12 21.0
EL	12 54.9
MAY 25	
BMO EP	18 33 47.4
E	34 21.0
MAY 25	
HHM EP	19 30 39.7

Date and Station	Phase	(GCT) h m s
MAY 25		
H-20 08 39.3		
23.1S 066.8W		
h ABOUT 215KM		
BMO	E(P)	20 20 36.9
MAY 25		
BOZ	E(P)	20 10 58.2
	E	11 19.0
MAY 25		
ALQ	IP	20 39 07.5
MAY 25		
CED	IP	21 46 24.4
	IS	46 29.5
MAY 25		
H-21 56 21.8		
51.7N 174.9W		
h ABOUT 33KM		
COL	EP	22 00 45.0
BRW	IP	22 01 09.4
BMO	EP	22 03 38.9
	E	03 52.8
BOZ	IP	22 04 03.8
EUR	IP	22 04 12.0
TUC	EP	22 05 13.0
MAY 25		
EUR	EP	22 00 08.8
MAY 25		
BOZ	E(P)	22 00 45.0
MAY 25		
BMO	E(P)	22 44 58.8
MAY 25		
COL	EP	22 45 09.0
MAY 25		
BMO	E(P)	22 45 58.8
MAY 25		
H-22 49 45.1		
35.6N 136.3E		
h ABOUT 27KM		
COL	EP	22 59 02.0
HHM	EP	23 01 30.0
BMO	EP	23 01 31.7
	E	02 07.0
BOZ	EP	23 01 46.5
EUR	IP	23 01 54.9
MAY 25		
EUR	EP	23 15 36.0
ALQ	IP	23 17 24.5
	I	17 49.5
MAY 25		
H-23 21 27.6		
09.6S 077.1W		
h ABOUT 165KM		
ALQ	EP	23 30 24.5
TUC	EP	23 30 27.2
EUR	EP	23 31 24.5
BOZ	IP	23 31 40.0
BMO	EP	23 31 53.1
MAY 26		
H-00 02 39.5		
51.2N 174.2E		
h ABOUT 49KM		
COL	EP	00 07 48.0
BRW	IP	00 07 48.2
BMO	EP	00 10 49.9
	EsP	11 02.5
HHM	EP	00 10 50.5
EUR	IP	00 11 21.0
TUC	E(P)	00 12 19.2
MAY 26		
H-00 21 56.3		
17.6S 178.8W		
h ABOUT 580KM		
EUR	IP	00 33 15.2
TUC	EP	00 33 17.2
BMO	EP	00 33 24.8
COL	IP	00 33 33.6
ALQ	EP	00 33 38.0
MAY 26		
EUR	IP	00 28 21.1
MAY 26		
H-00 46 52.1		
51.6N 176.7E		
h ABOUT 33KM		
COL	E(P)	00 51 51.0
BMO	E(P)	00 54 51.1
	EpP	55 01.9
EUR	IP	00 55 22.0
MAY 26		
H-00 53 22.8		
17.2S 073.1W		
h ABOUT 35KM		
ALQ	EP	01 03 33.0
BMO	EP	01 04 55.0
MAY 26		
BOZ	E(P)	01 59 27.0
MAY 26		
UKI	EP	02 10 10.8
EUR	EP	02 11 32.0
BMO	E(P)	02 11 57.5
MAY 26		
H-02 57 49.5		
48.2N 154.3E		
h ABOUT 33KM		
COL	IP	03 04 36.1
BMO	EP	03 07 38.4
	E	07 55.3
EUR	IP C	03 08 07.5
	I	08 25.9
MAY 26		
COL	EP	03 37 49.0
MAY 26		
COL	IP	04 08 28.1
BMO	E(P)	04 11 29.8
EUR	EP	04 11 58.5
MAY 26		
COL	EP	04 28 48.0
MAY 26		
H-04 33 50.8		
15.7S 167.1E		
h ABOUT 32KM		
COL	EP	04 46 34.0
EUR	IP	04 46 49.0
BMO	EP	04 46 52.9
MAY 26		
BMO	E(P)	04 58 13.9
MAY 26		
COL	E(P)	04 59 04.0
MAY 26		
BOZ	EP	05 21 08.0
MAY 26		
BMO	E(P)	06 05 06.9
MAY 26		
COL	EP	06 06 01.0
MAY 26		
BMO	E(P)	06 09 37.1
MAY 26		
COL	IP	07 20 09.4
BMO	EP	07 23 02.6
EUR	EP	07 23 29.9
MAY 26		
H-07 47 55.9		
32.2N 041.0W		
h ABOUT 33KM		
BMO	E(P)	07 57 55.6
	EPCP	58 43.5
EUR	IP	07 57 59.0
BCN	EP	07 58 01.8
MAY 26		
GUA	IP	08 28 43.7
	ES	29 08.5
MAY 26		
BMO	EP	08 40 33.5
	E	40 50.5
EUR	E(P)	08 40 46.5
MAY 26		
ALQ	E(P)	09 39 12.0
MAY 26		
EUR	IP	10 09 17.0
MAY 26		
COL	EP	10 39 26.0
MAY 26		
H-10 44 11.6		
60.8N 151.2W		
h ABOUT 87KM		
COL	IP	10 45 18.0
BRW	IP	10 46 43.5
HHM	IP	10 49 23.3
	I	49 39.3
BMO	IP	10 49 34.3
	EpP	49 56.3
EUR	IP	10 50 18.8
ALQ	IP	10 51 27.2
TUC	EP	10 51 30.0
MAY 26		
EUR	EP	10 56 51.0
MAY 26		
EUR	E(P)	11 30 28.5
COL	EP	11 30 58.4
MAY 26		
H-11 38 17.9		
05.6S 151.5E		
h ABOUT 49KM		
GUA	EP	11 42 50.5
EUR	EP	11 51 39.4
MAY 26		
H-11 58 56.3		
30.5S 177.6W		
h ABOUT 33KM		
TUC	E(P)	12 11 49.4
EUR	EP	12 11 53.8

Date and Station	Phase (GCT)
	h m s
MAY 26	
H-12 09 28.2	
47.0N 152.6E	
h ABOUT 40KM	
BRW EP	12 16 10.3
COL E(P)	12 16 29.5
BMO EP	12 19 27.8
E	19 43.7
EUR IP	12 19 56.0
IpP	20 06.2
BCN EP	12 20 15.4
MAY 26	
H-12 21 47.6	
17.5S 176.8W	
h ABOUT 33KM	
EUR E(P)	12 33 55.2
BMO EP	12 34 07.8
E	34 48.2
ALQ IP	12 34 21.0
COL EP	12 34 21.0
MAY 26	
H-12 26 24.1	
25.6S 179.7W	
h ABOUT 454KM	
GUA EP	12 34 49.5
E(S)	42 34.0
CED EP	12 38 07.0
EpP	39 48.0
BCN EP	12 38 20.0
EpP	40 02.5
TUC IP C	12 38 24.0
IpP	40 07.4
EUR IP C	12 38 25.8
E	39 09.7
IpP	40 09.5
ESKS	48 13.0
BMO IP	12 38 35.9
EpP	40 19.2
ALQ IP	12 38 43.5
IpP	40 28.4
COL EP	12 38 49.0
MAY 26	
H-14 47 46.2	
31.5S 069.2W	
h ABOUT 120KM	
EUR EP	14 59 59.1
BMO EP	15 00 22.2
MAY 26	
ALQ IP	15 49 13.4
I	49 45.5

Date and Station	Phase (GCT)
	h m s
MAY 26	
COL EP	15 59 53.0
MAY 26	
EUR IP	17 44 07.5
MAY 26	
COL EP	18 03 56.0
BMO E(P)	18 09 06.9
MAY 26	
COL EP	18 09 16.0
BMO E(P)	18 14 29.1
MAY 26	
COL EP	18 14 06.0
MAY 26	
COL E(P)	18 14 40.5
MAY 26	
H-18 30 13.2	
21.2S 176.9W	
h ABOUT 285KM	
KIP IP D	18 38 10.8
GUA EP	18 38 48.0
E(S)	45 48.0
SLD EP	18 41 43.5
EsP	43 23.5
BCN IP	18 42 02.2
TUC IP C	18 42 07.0
EUR IP	18 42 08.0
GCA IP C	18 42 16.6
BMO EP	18 42 19.1
ALQ IP	18 42 28.4
COL IP	18 42 34.6
HHM IP	18 42 35.8
BRW IP C	18 42 56.2
MAY 26	
BRW EP	18 48 22.9
COL EP	18 48 41.0
BMO EP	18 51 03.0
HHM EP	18 51 03.8
MAY 26	
BMO E(P)	19 14 10.4
MAY 26	
EUR IP	20 12 04.0
MAY 26	
H-20 33 18.4	
31.1N 115.7W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
CED IP	20 34 10.7
ILG	34 56.5
TUC EPN	20 34 23.9
BCN EP	20 34 31.1
I	34 52.0
I	36 54.5
GCA E(P)	20 34 58.0
I	35 00.0
SLD EP	20 35 09.0
EUR IP	20 35 20.0
ALQ IP	20 35 28.4
IL	37 53.5
BMO EP	20 36 39.0
HHM E(P)	20 37 20.8
MAY 26	
H-20 49 34.3	
51.3N 177.5E	
h ABOUT 33KM	
COL EP	20 54 32.2
BRW IP C	20 54 39.5
E(pP)	54 50.9
BMO EP	20 57 29.4
HHM E(P)	20 57 30.7
EUR IP	20 58 01.8
ALQ IP	20 59 08.0
MAY 26	
ALQ IP	20 51 32.0
I	52 09.0
MAY 26	
H-21 14 43.3	
05.3S 128.4E	
h ABOUT 319KM	
GUA EP	21 19 40.0
MAY 26	
H-22 02 16.5	
15.1S 173.4W	
h ABOUT 33KM	
TUC EP	22 14 04.0
BMO E(P)	22 14 15.1
COL IP	22 14 34.5
MAY 26	
HHM E(P)	22 07 08.5
MAY 26	
H-22 13 14.8	
00.3N 122.2E	
h ABOUT 119KM	
BRW E(P)	22 25 51.0

Date and Station	Phase (GCT)
	h m s
MAY 26	
ALQ IP	22 24 37.0
MAY 26	
H-22 59 04.0	
28.7N 130.2E	
h ABOUT 39KM	
GUA E(P)	23 03 32.0
ESS	07 36.0
BRW EP	23 08 53.3
COL IP	23 09 15.1
BMO EP	23 11 33.1
HHM EP	23 11 33.5
EUR I(P)	23 11 53.9
MAY 27	
H-09 08 25.3	
51.8N 172.7E	
h ABOUT 033KM	
BRW EP	09 13 35.8
COL EP	09 13 37.0
BOZ E(P)	09 17 06.5
EUR EP	09 17 13.8
MAY 27	
BOZ E(P)	10 28 09.5
ALQ IP	10 28 27.0
MAY 27	
KIP IP	11 06 35.6
MAY 27	
BRW EP	13 11 30.0
MAY 27	
BOZ E(P)	13 14 46.0
MAY 27	
ALQ IP	13 41 06.0
I	41 22.6
MAY 27	
BRW E(P)	14 07 54.4
MAY 27	
EUR IP	14 30 46.0
MAY 27	
H-14 35 04.9	
27.4N 096.5E	
h ABOUT 44KM	
BRW EP	14 46 10.0
COL IP	14 46 45.9
MAY 27	
COL EP	14 39 54.0
MAY 27	
BRW EP	14 42 19.5

Date and Station	Phase (GCT)
	h m s
MAY 27	
SLD E(P)	15 36 27.0
IS	36 45.7
MAY 27	
GUA IP	15 50 54.0
I(S)	51 12.0
MAY 27	
BRW E(P)	16 01 14.4
E	01 51.1
HHM EP	16 02 49.6
E	03 06.6
BMO EP	16 02 59.6
E	03 33.7
EUR IP	16 03 12.0
BOZ EP	16 03 17.5
MAY 27	
BOZ IP	17 34 12.0
IL	34 19.5
MAY 27	
HHM E(P)	18 10 20.1
MAY 27	
HHM E(P)	18 39 11.6
EL	39 45.1
MAY 27	
ALQ IP	19 01 20.5
IS	01 45.5
MAY 27	
H-19 02 11.1	
82.5N 006.7W	
h ABOUT 20KM	
BRW E(P)	19 07 41.1
COL EP	19 08 33.0
HHM E(P)	19 10 24.6
BOZ EP	19 10 39.0
E	12 20.5
BMO EP	19 10 53.8
E	11 20.4
MAY 27	
EUR IP	19 14 03.9
MAY 27	
ALQ EP	19 31 34.0
I	32 06.0
MAY 27	
ALQ IP	19 53 48.5
I	54 17.0
MAY 27	
H-20 00 00.0	
37.1N 116.1W	
h ABOUT 0KM	
EUR IP	20 00 39.1
CED IP C	20 00 49.9
ILG	01 37.2
GCA IP C	20 00 58.0
I	01 04.5
SLD E(P)	20 01 05.0
EL	02 10.5
SLC IP	20 01 17.5
I	01 32.5
TUC IP C	20 01 38.1
BMO EPN	20 01 56.5
ALQ IP	20 02 00.0
I	02 33.5
IL	04 13.5
BOZ IP D	20 02 17.2
I	02 48.5
E	05 44.0
BUT E(P)	20 02 24.5
HHM IP	20 02 45.6
IL	06 06.1
COL IP	20 06 42.4
BRW EP	20 07 37.3
MAY 27	
RCD E(P)	20 02 09.0
MAY 27	
BMO EP	20 02 23.5
MAY 27	
COL EP	20 25 41.0
MAY 27	
EUR IP	20 47 20.2
MAY 27	
H-20 52 32.9	
37.1N 116.1W	
h ABOUT 0KM	
EUR IP	20 53 13.0
GCA E(P)	20 53 33.3
E	53 39.0
I	53 42.0
BMO EPN	20 54 30.4
ALQ IP	20 54 43.5
I	56 45.0
MAY 27	
EUR IP	21 42 15.0
MAY 27	
EUR IP	22 04 08.2
MAY 27	
HHM E(P)	22 06 08.1
MAY 27	
H-22 07 44.0	
51.5N 178.4W	
h ABOUT 33KM	
COL EP	22 12 23.0
BRW IP C	22 12 39.5
ES	16 34.6
BMO IP	22 15 19.8
HHM IP	22 15 21.1
EPCP	17 24.1
BOZ IP	22 15 43.5
EUR IP C	22 15 51.2
EsP	16 06.1
RCD E(P)	22 16 29.0
ALQ IP	22 16 58.0
MAY 27	
H-22 14 13.8	
24.5N 068.7E	
h ABOUT 5KM	
BRW EP C	22 26 23.5
COL IP	22 27 00.6
EUR EP'	22 33 01.5
BMO EP'	22 33 19.1
E	33 28.3
MAY 27	
COL EP	22 20 02.0
BRW E(P)	22 20 07.6
I	20 10.5
MAY 27	
BMO E(P)	22 21 09.9
E	21 16.9
MAY 27	
BOZ EP	22 33 28.5
MAY 27	
CSC EP	22 33 44.2
MAY 27	
COL EP	22 35 44.0
MAY 27	
COL E(P)	22 58 17.7
E	58 28.0
MAY 27	
SLD IP C	23 21 36.1
IS	21 43.6
MAY 27	
BMO EP	23 39 54.8
EUR IP	23 41 04.7
TUC E(P)	23 42 34.2
MAY 28	
H-00 03 54.8	
24.5N 122.6E	
h ABOUT 20KM	
GUA IP	00 09 07.5
ES	13 13.0
COL EP C	00 14 54.2
E	15 35.0
ES	23 53.0
SIT E(P)	00 15 44.4
HHM IP	00 17 04.6
BMO EP	00 17 04.8
SLD EP	00 17 15.5
BOZ IP	00 17 17.6
EUR IP C	00 17 23.8
IpP	17 31.0
EPP	21 17.7
EPKKP	34 39.5
ALQ I(P)	00 18 07.5
MAY 28	
BUT E(P)	00 16 32.9
EL	17 13.9
MAY 28	
HON EP	00 24 47.0
MAY 28	
BMO E(P)	00 34 19.0
MAY 28	
BOZ EP	00 50 42.0
IL	51 00.0
HHM EP	00 50 52.0
EL	51 18.5
MAY 28	
H-02 09 53.7	
22.2S 179.6W	
h ABOUT 605KM	
EUR IP C	02 21 29.9
IpP	23 37.5
TUC IP C	02 21 30.0
EpP	23 35.8
GCA IP C	02 21 38.0
EpP	23 46.8
BMO IP	02 21 39.9
IpP	23 48.4
ALQ IP	02 21 49.6
IpP	23 58.6
COL IP	02 21 50.5
HHM EP	02 21 56.0
EpP	24 09.5
BOZ IP	02 21 57.2
MAY 28	
H-02 22 14.1	
52.3N 169.9W	
h ABOUT 33KM	
COL EP	02 26 10.0
BOZ EP	02 29 29.0

Date and Station	Phase (GCT)
	h m s
EUR IP	02 29 38.5
MAY 28	
COL EP	02 24 04.0
BOZ EP	02 24 07.5
E	24 11.0
BOZ EP	02 25 43.5
MAY 28	
E	25 51.0
MAY 28	
COL E(P)	02 40 29.8
MAY 28	
UKI EP	02 50 58.2
EUR E(P)	02 52 08.8
MAY 28	
HHM EP	03 02 15.0
EL	02 41.0
MAY 28	
BRW EP	03 36 55.2
MAY 28	
BRW E(P)	03 39 28.0
MAY 28	
BOZ E(P)	04 10 19.5
E	10 30.0
MAY 28	
COL E(P)	04 18 14.0
MAY 28	
EUR E(P)	04 23 28.7
MAY 28	
SLD IP	04 26 52.8
IL	27 24.8
EUR IP	04 27 41.4
MAY 28	
COL IP	05 07 48.7
IL	08 18.1
MAY 28	
H-05 21 22.1	
36.8N 138.1E	
h ABOUT 6KM	
BRW EP	05 30 01.0
COL EP	05 30 25.0
HHM E(P)	05 33 00.0
E	33 07.0
BMO EP	05 33 00.7
E	33 08.1
BOZ EP	05 33 16.0
EUR IP	05 33 24.2
TUC E(P)	05 34 04.7
MAY 28	
ALQ EP	05 32 02.5
I	34 10.6

Date and Station	Phase (GCT)
	h m s
MAY 28	
H-05 53 18.3	
23.8N 125.1E	
h ABOUT 30KM	
GUA IP	05 58 05.0
ES	06 02 04.0
BRW EP C	06 03 50.1
IsP	04 03.3
COL IP	06 04 13.0
HHM IP	06 06 22.4
BMO EP	06 06 22.9
BUT EP	06 06 31.8
BOZ EP	06 06 35.0
EUR E(P)	06 06 41.5
EPP	10 24.6
MAY 28	
H-07 20 42.1	
28.7N 130.2E	
h ABOUT 33KM	
BRW E(P)	07 30 31.0
COL EP	07 30 54.0
BMO E(P)	07 33 13.0
E	33 20.6
BOZ EP	07 33 26.0
MAY 28	
BMO E(P)	07 28 05.6
MAY 28	
BRW EP	09 43 29.4
MAY 28	
UKI E(P)	10 50 15.2
MAY 28	
EUR E(P)	10 52 50.0
MAY 28	
BMO EP	11 02 25.2
E	04 01.5
COL EP	11 06 31.0
MAY 28	
EUR IP	11 20 26.1
MAY 28	
COL EP	11 47 09.8
MAY 28	
H-12 24 46.5	
11.1S 165.3E	
h ABOUT 33KM	
COL IP	12 37 12.3
EUR E(P)	12 37 33.0
MAY 28	
ALQ EP	13 32 06.0
I	35 19.5

Date and Station	Phase (GCT)
	h m s
SJG IP D	13 32 12.5
IS	32 35.5
MAY 28	
BOZ E(P)	13 34 02.5
E	35 38.0
MAY 28	
GCA E(P)	13 33 38.0
I	33 46.5
MAY 28	
BOZ E(P)	13 45 33.0
MAY 28	
H-14 34 39.9	
11.9N 088.1W	
h ABOUT 33KM	
EUR IP	14 41 51.8
BOZ EP	14 42 06.5
EPP	43 37.5
BMO E(P)	14 42 25.9
MAY 28	
BRW EP	14 34 47.9
MAY 28	
BOZ E(P)	15 03 39.0
MAY 28	
BMO EP	15 33 47.3
MAY 28	
BRW IP C	15 49 44.8
COL EP	15 50 05.0
MAY 28	
BMO E(P)	15 53 00.0
EUR IP	15 53 27.2
MAY 28	
BRW EP	16 26 24.0
COL E(P)	16 27 24.8
MAY 28	
HHM EP	16 31 14.5
E	31 24.0
BMO EP	16 31 29.8
BOZ IP	16 31 42.0
IpP	31 47.9
EUR IP C	16 32 10.5
I	32 18.3
ALQ IP	16 33 08.0
MAY 28	
BOZ EP	16 53 18.0
E	53 29.0
MAY 28	
BOZ EP	16 54 11.6
E	57 14.0
MAY 28	
EUR IP	17 20 24.2

Date and Station	Phase (GCT)
	h m s
MAY 28	
H-17 57 32.6	
7.6N 036.1W	
h ABOUT 33KM	
BOZ EP	18 09 07.5
EUR IP	18 09 28.2
BMO E(P)	18 09 32.4
MAY 28	
EUR IP	19 22 34.2
MAY 28	
BMO EPN	19 23 22.0
ES	24 19.6
MAY 28	
H-19 58 07.9	
15.3S 174.9W	
h ABOUT 246KM	
TUC EP	20 09 38.3
BMO EP	20 09 48.0
BOZ EP	20 10 08.5
MAY 28	
BHP IP	20 07 25.0
IS	08 03.0
MAY 28	
COL E(P)	20 25 03.8
MAY 28	
H-20 35 24.5	
06.9N 034.0W	
h ABOUT 33KM	
ALQ IP	20 46 45.6
TUC E(P)	20 47 06.0
BOZ EP	20 47 13.0
BMO EP	20 47 34.9
MAY 28	
H-21 50 16.9	
51.6N 178.2W	
h ABOUT 71KM	
COL EP	21 54 51.0
BRW IP C	21 55 07.6
HHM IP	21 57 47.0
EPCP	59 51.4
BMO IP	21 57 47.6
E	57 57.0
BOZ IP C	21 58 11.5
I	58 20.0
EUR IP	21 58 19.2
TUC EP	21 59 19.0
E	59 28.2
ALQ IP	21 59 25.8

Date and Station	Phase	(GCT) h m s
MAY 28		
EUR	IP	21 51 05.5
MAY 28		
BMO	E(P)	22 03 34.1
	E	03 43.9
MAY 28		
COL	EP	22 13 29.9
MAY 28		
H-22 23 44.6		
4.5S 153.5E		
h ABOUT 115KM		
GUA	E(P)	22 28 10.0
COL	IP C	22 35 48.0
	IPP	36 17.3
BRW	EP	22 35 54.6
BMO	EP	22 36 43.7
	E	37 09.0
MAY 28		
ALQ	IP	22 31 15.0
	I	32 07.0
MAY 28		
EUR	IP	22 36 05.5
MAY 28		
SLD	EP	23 12 57.5
	IS	13 11.3
MAY 28		
BRW	E(P)	23 30 22.4
MAY 29		
ALQ	IP	00 40 11.8
	I	40 22.0
MAY 29		
BMO	EPN	02 25 10.7
MAY 29		
BOZ	E(P)	02 25 28.0
	E	27 05.0
BMO	EP	02 25 14.6
HHM	EP	02 26 33.1
	E	26 41.2
MAY 29		
ALQ	IP	02 41 04.0
MAY 29		
SJG	IP	02 59 26.5
	IS	59 59.0
BCN	EP	03 17 46.7
	E	19 27.6
MAY 29		
TUC	E(P)	03 29 15.0
MAY 29		
TUC	E(P)	03 34 06.6

Date and Station	Phase	(GCT) h m s
MAY 29		
H-03 55 53.6		
46.5N 153.2E		
h ABOUT 33KM		
BRW	E(P)	04 02 38.6
COL	EP	04 02 55.0
BMO	E(P)	04 05 58.1
EUR	IP	04 06 22.0
TUC	E(P)	04 07 11.6
	E	08 11.0
MAY 29		
BOZ	EP	04 04 16.5
MAY 29		
SJG	E(P)	04 59 30.9
	ES	59 52.3
MAY 29		
H-05 07 31.4		
19.2S 066.4W		
h ABOUT 244KM		
BMO	E(P)	05 19 09.4
MAY 29		
GUA	EP	05 34 33.5
MAY 29		
BMO	E(P)	06 16 59.6
EUR	EP	06 17 28.0
MAY 29		
H-06 46 35.9		
60.9N 144.6W		
h ABOUT 22KM		
COL	IP	06 47 41.6
	I	47 54.0
	I(S)	48 48.5
BRW	E(P)	06 49 18.6
	E	49 25.6
HHM	EP	06 51 25.4
	EpP	51 31.0
BMO	EP	06 51 37.3
	E	51 50.9
BOZ	EP	06 51 55.1
EUR	IP	06 52 24.6
MAY 29		
EUR	E(P)	07 03 20.2
MAY 29		
EUR	E(P)	07 57 22.5
MAY 29		
TUC	E(P)	08 02 47.8
MAY 29		
H-08 30 29.6		
15.0S 172.8W		
h ABOUT 33KM		

Date and Station	Phase	(GCT) h m s
BMO	E(P)	08 42 25.9
	E	42 44.6
COL	IP	08 42 46.8
MAY 29		
BMO	EP	09 52 43.0
MAY 29		
H-10 31 43.5		
.2N 097.0E		
h ABOUT 25KM		
BOZ	EP'	10 50 50.0
	EPP	52 52.0
EUR	IP'	10 50 55.1
MAY 29		
ALQ	IP	10 54 09.5
	I	54 33.8
EUR	E(P)	10 54 12.4
MAY 29		
GCA	EP	10 54 33.0
	E	54 41.7
	EL	55 25.5
MAY 29		
EUR	E(P)	10 57 31.5
MAY 29		
H-13 44 33.2		
21.5S 178.7W		
h ABOUT 518KM		
KIP	EP	13 52 19.4
GUA	IP	13 52 40.0
SLD	EP	13 55 48.0
	EpP	57 40.5
BCN	EP	13 56 06.5
	EpP	57 56.8
TUC	EP	13 56 11.2
	EpP	58 05.0
EUR	IP	13 56 11.8
GCA	EP	13 56 20.0
	IpP	58 15.2
BMO	EP	13 56 20.7
	EpP	58 15.3
ALQ	IP	13 56 32.0
	IpP	58 27.0
COL	EP C	13 56 33.0
	IpP	58 28.2
BUT	EP	13 56 38.2
	EpP	58 32.7
HHM	EP	13 56 39.4
	EpP	58 34.4
BOZ	IP	13 56 39.6
	IpP	58 35.0
	EPP	14 00 20.0

Date and Station	Phase	(GCT) h m s
BRW	IP	13 56 54.7
MAY 29		
HHM	IP	13 47 49.3
	I	47 55.0
	IS	48 06.4
	IL	48 10.4
BUT	EP	13 48 36.7
	E	49 25.7
BOZ	IPN	13 48 35.2
	IPG	48 45.0
	IL	49 46.5
MAY 29		
SJG	EP	13 48 48.6
	IS	49 11.0
MAY 29		
BHP	IP C	13 52 11.0
	IS	52 33.0
MAY 29		
EUR	IP	13 58 05.8
MAY 29		
RCD	E(P)	13 58 52.0
MAY 29		
COL	E(P)	14 02 47.0
MAY 29		
COL	E(P)	14 06 39.2
MAY 29		
BMO	E(P)	14 42 37.2
MAY 29		
H-16 34 15.8		
17.4S 069.4W		
h ABOUT 146KM		
BMO	E(P)	16 45 47.8
MAY 29		
BOZ	EP	21 11 21.5
MAY 29		
BOZ	E(P)	21 43 52.0
MAY 29		
EUR	IP	21 53 46.0
MAY 29		
CSC	E(P)	22 01 11.5
MAY 29		
COL	EP	23 02 40.8
MAY 30		
GUA	IP	01 08 24.0
MAY 30		
SJG	EP	01 13 19.0
MAY 30		
TUC	E(P)	01 39 14.5
MAY 30		
H-02 28 09.4		
19.2N 108.8W		
h ABOUT 33KM		

Date and Station	Phase (GCT)
	h m s
TUC EP	02 31 17.1
EUR E(P)	02 32 54.2
BOZ EP	02 33 45.6
MAY 30	
H-03 09 33.6	
7.6N 076.9W	
h ABOUT 32KM	
BHP I(P)	03 10 19.5
SJG IP	03 12 59.7
IS	15 38.5
ALQ IP	03 16 55.4
I	17 06.5
TUC IP	03 17 08.0
EPCP	19 12.5
RCD IP C	03 17 31.5
E	17 38.0
GCA IP C	03 17 33.5
EpP	19 22.0
SLC EP	03 17 51.4
I	17 58.2
EUR IP C	03 18 06.8
IPCP	19 37.4
BOZ IP C	03 18 14.5
IpP	18 23.0
BUT EP	03 18 20.3
EpP	18 29.9
IPCP	19 43.9
SLD EP	03 18 25.0
EPCP	19 44.0
BMO EP	03 18 33.7
E	18 49.2
HHM IP	03 18 36.5
NEW IP	03 18 48.0
COL IP C	03 21 14.0
IPCP	21 26.0
E	22 17.6
EPP	24 00.6
BRW IP	03 21 39.1
MAY 30	
COL EP	04 06 49.0
MAY 30	
GUA E(P)	04 36 09.6
MAY 30	
BMO EP	05 51 01.8
EUR EP	05 51 05.7
MAY 30	
H-07 17 41.1	
25.2N 110.6W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
TUC E(P)	07 19 24.3
EL	21 23.0
ALQ EP	07 20 11.0
IL	22 54.5
EUR E(P)	07 21 11.3
BMO E(P)	07 22 26.4
MAY 30	
EUR EP	07 28 05.3
MAY 30	
SLD EP	09 00 33.0
MAY 30	
H-09 39 03.0	
38.8N 118.6W	
h ABOUT 33KM	
EUR EP	09 39 37.7
I	39 41.0
IL	40 09.2
SLD IP C	09 39 47.5
IS	40 19.5
I	40 21.5
MAY 30	
SLD E(P)	10 25 23.2
I	25 29.5
MAY 30	
H-12 44 04.9	
50.1N 179.1E	
h ABOUT 65KM	
COL EP	12 49 02.0
NEW EP	12 51 39.0
HHM E(P)	12 51 52.5
E	52 04.5
BMO EP	12 51 52.9
E	52 04.8
BOZ EP	12 52 15.6
EUR IP	12 52 23.8
TUC E(P)	12 53 21.5
MAY 30	
H-12 51 57.9	
36.0N 068.8E	
h ABOUT 220KM	
BRW EP	13 02 36.4
COL IP	13 03 20.1
MAY 30	
COL EP	14 28 58.0
MAY 30	
COL EP	14 32 10.0
MAY 30	
H-14 53 00.0	
71.3N 007.3W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
COL EP	15 00 48.0
MAY 30	
SLD IP C	14 56 20.5
IS	56 52.5
IL	56 54.6
MAY 30	
EUR IP	15 11 14.0
MAY 30	
COL IP	16 34 22.2
I	34 35.5
EL	35 39.5
MAY 30	
ALQ EP	16 52 34.5
I	55 42.0
I	58 48.0
MAY 30	
H-16 53 21.3	
25.9N 109.6W	
h ABOUT 33KM	
TUC E(P)	16 54 56.5
E	57 02.9
BMO E(P)	16 57 53.8
E	57 56.5
EpP	58 01.5
NEW EP	16 58 25.0
MAY 30	
COL E(P)	17 47 57.5
MAY 30	
BRW E(P)	18 47 49.8
MAY 30	
H-18 53 23.2	
53.5N 166.8W	
h ABOUT 33KM	
COL E(P)	18 56 54.0
MAY 30	
H-19 15 30.7	
16.8S 177.4W	
h ABOUT 380KM	
TUC EP	19 27 02.5
COL IP	19 27 22.0
MAY 30	
H-19 20 36.2	
15.2S 174.1W	
h ABOUT 74KM	
ALQ IP	19 32 46.0
COL IP D	19 32 50.6
EsP	33 24.5
MAY 30	
HHM E(P)	22 07 02.5
E	07 06.5
E	07 14.5

Date and Station	Phase (GCT)
	h m s
MAY 30	
H-22 20 40.8	
37.8N 112.1W	
h ABOUT 18KM	
GCA IP C	22 20 59.3
IS	21 14.2
EUR I(P)	22 21 41.5
ALQ IP	22 22 01.8
I	22 21.6
IS	23 28.0
MAY 30	
TUC E(P)	22 22 19.5
MAY 30	
COL EP	22 30 35.0
MAY 30	
EUR EP	22 34 12.1
MAY 30	
ALQ IP	22 34 34.5
I	34 42.5
I	35 23.0
MAY 30	
H-22 31 06.5	
21.6S 068.1W	
h ABOUT 109KM	
BMO EP	22 43 05.4
EsP	43 39.4
MAY 30	
HHM E(P)	22 36 30.6
MAY 31	
HHM E(P)	00 17 01.0
MAY 31	
H-01 06 28.6	
46.5N 116.4W	
h ABOUT 33KM	
BMO IPN	01 06 57.2
IPG	01 06 59.3
NEW IP	01 06 58.2
IS	07 22.0
HHM E(P)	01 07 08.0
E	07 12.0
BUT E(P)	01 07 10.0
EL	07 46.0
BOZ EP	01 07 21.2
EL	08 13.0
MAY 31	
COL EP	01 31 38.8
MAY 31	
COL EP	01 37 21.0
MAY 31	
EUR IP	02 36 06.5
BMO EP	02 36 53.8

Date and Station	Phase	(GCT) h m s
MAY 31		
NEW	EP	02 41 43.0
	E	41 55.0
MAY 31		
BUT	E(P)	03 09 34.0
	E	11 12.5
MAY 31		
NEW	EP	04 02 07.0
MAY 31		
TUC	E(P)	04 29 49.0
MAY 31		
H-06 19 02.1		
37.6N 078.0W		
h ABOUT 33KM		
WSC	EP	06 19 28.1
	I	19 33.0
	E	19 46.0
	IL	19 49.9
PHI	EL	06 20 27.5
	E	20 41.0
MAY 31		
ALQ	EP	06 29 23.0
	I	31 05.0
MAY 31		
BOZ	E(P)	06 32 48.0
MAY 31		
EUR	IP	06 42 08.9
MAY 31		
EUR	IP	07 20 47.2
MAY 31		
H-07 42 59.5		
52.3N 169.8W		
h ABOUT 33KM		
COL	E(P)	07 46 55.8
	I	47 12.4
	ESS	50 22.0
BRW	EP	07 47 32.2
NEW	EP	07 49 36.0
BMO	EP	07 49 49.5
	E	50 01.0
HHM	EP	07 49 51.5
	E	50 13.8
EUR	IP	07 50 22.2
BOZ	E(P)	07 50 30.0
	E	52 45.5
BCN	E(P)	07 50 47.0
TUC	E(P)	07 51 24.0
MAY 31		
HHM	EP	07 52 28.3

Date and Station	Phase	(GCT) h m s
MAY 31		
H-08 50 19.8		
08.4S 074.4W		
h ABOUT 160KM		
ALQ	IP	08 59 21.0
TUC	EP	08 59 25.2
BCN	E(P)	09 00 00.0
EUR	IP	09 00 21.3
BOZ	IP D	09 00 34.0
BUT	EP	09 00 34.0
BMO	EP	09 00 48.4
HHM	EP	09 00 53.3
NEW	IP	09 01 03.0
COL	IP	09 03 05.7
MAY 31		
HHM	E(P)	09 52 01.3
MAY 31		
H-10 21 51.4		
25.9N 109.1W		
h ABOUT 33KM		
TUC	EP	10 23 27.7
	E	25 31.0
ALQ	IP	10 24 10.0
	I	27 26.4
BCN	E(P)	10 24 32.0
	E	27 51.0
	E	28 20.5
GCA	EP	10 24 37.5
	EL	28 11.0
EUR	IP	10 25 22.0
BOZ	EP	10 26 21.0
BMO	EP	10 26 24.1
	EpP	26 33.3
HHM	IP	10 26 52.4
COL	E(P)	10 30 15.0
MAY 31		
H-11 22 09.3		
34.0N 117.3W		
h ABOUT 11KM		
CED	I(P)	11 22 15.8
	IS	22 19.6
BCN	E(P)	11 22 52.8
	I	23 00.4
	EL	23 37.2
EUR	E(P)	11 23 34.1
MAY 31		
NEW	EP	12 00 21.0

Date and Station	Phase	(GCT) h m s
MAY 31		
SJG	E(P)	12 15 13.7
	EL	16 36.2
MAY 31		
NEW	EP	12 47 32.0
	E	47 56.0
MAY 31		
GUA	IP	13 21 02.0
	IS	21 21.0
BMO	EP	13 33 07.6
MAY 31		
COL	EP	13 59 30.0
BMO	EP	14 01 36.5
HHM	EP	14 01 38.3
BOZ	EP	14 01 52.5
EUR	IP	14 01 53.8
MAY 31		
COL	E(P)	14 50 35.9
MAY 31		
COL	IP	15 00 54.2
MAY 31		
EUR	IP	15 05 31.1
MAY 31		
COL	EP	15 04 01.0
MAY 31		
H-15 36 21.0		
22.8S 067.0W		
h ABOUT 166KM		
ALQ	IP	15 47 08.0
TUC	EP	15 47 10.4
EUR	EP	15 47 57.6
BOZ	EP	15 48 09.0
BMO	EP	15 48 20.9
MAY 31		
BMO	EP	17 06 30.6
MAY 31		
HHM	E(P)	17 50 45.8
	E	51 20.3
MAY 31		
HHM	E(P)	18 21 30.6
	E	22 04.3
MAY 31		
ALQ	IP	18 39 09.5
	I	39 48.0
MAY 31		
H-18 51 01.6		
19.3S 167.8E		
h ABOUT 033KM		
BCN	E(P)	19 04 07.0

Date and Station	Phase	(GCT) h m s
EUR	IP	19 04 08.9
BMO	E(P)	19 04 13.5
TUC	EP	19 04 14.6
MAY 31		
BRW	E(P)	19 04 16.0
MAY 31		
COL	EP	19 28 23.0
MAY 31		
H-19 59 48.7		
15.2S 168.2E		
h ABOUT 21KM		
COL	EP	20 12 28.0
EUR	IP	20 12 44.1
BCN	E(P)	20 12 46.5
BMO	EP	20 12 47.5
MAY 31		
EUR	IP	21 49 04.4
MAY 31		
HHM	EP	23 50 42.7
	E	50 46.3