USC&S
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SEISMOLOGICAL BULLETIN

March, 1966

MSI - 303

CONTENTS

List of stations 1
Provisional epicenters 2
Seismogram interpretations 16

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March 4, 2011

SEISMOLOGICAL BULLETIN

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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, 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 epicenters, 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

A-5337 USCOMM-ESSA-DC

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
1	00 57 45.1	3.0 S	147.7 E	21	5.0	BISMARCK SEA.
1	04 24 06*	21.5 S	71.0 W	33	4.0	OFF COAST OF NORTHERN CHILE.
1	04 59 49.6	36.7 N	69.0 E	40	4.6	HINDU KUSH REGION.
1	07 17 32*	51.5 N	173.8 E	33	4.3	NEAR ISLANDS, ALEUTIAN ISLANDS.
1	08 48 53*	56.2 S	29.3 W	33		SOUTH SANDWICH ISLANDS REGION.
1	12 21 51.7	23.4 S	68.1 W	120	4.9	NORTHERN CHILE.
1	12 47 28.2	33.6 S	179.3 W	38	4.2	SOUTH OF KERMADEC ISLANDS.
1	15 45 23.5	25.3 S	178.5 E	547	4.3	SOUTH OF FIJI ISLANDS.
1	21 24 27*	15.4 S	168.1 E	171	4.6	NEW HEBRIDES ISLANDS.
1	23 08 40.1	56.9 S	26.8 W	37	5.6	SOUTH SANDWICH ISLANDS REGION.
2	02 37 04.6	43.0 N	45.7 E	44	5.4	EASTERN CAUCASUS. SLIGHT DAMAGE NEAR GROZNY.
2	03 05 20.7	19.2 S	169.3 E	146	4.3	NEW HEBRIDES ISLANDS.
2	04 02 45.7	36.2 N	70.5 E	147	4.4	HINDU KUSH REGION.
2	05 56 27.6	18.2 S	67.0 W	273	4.5	BOLIVIA.
2	05 59 52.2	86.0 N	28.1 E	33	4.6	NORTH OF SVALBARD.
2	07 24 55.1	2.9 S	129.9 E	34	5.7	CERAM.
2	07 29 18*	5.2 S	151.6 E	72	4.4	NEW BRITAIN REGION. FELT AT RABAUL.
2	11 51 19.0	52.6 N	172.5 E	20	5.4	NEAR ISLANDS, ALEUTIAN ISLANDS.
2	13 04 19.1	46.9 N	144.5 E	401	5.0	SEA OF OKHOTSK.
2	14 09 02.0	24.5 N	122.6 E	102	4.6	TAIWAN REGION.
2	15 15 03.0	43.0 N	45.6 E	55	5.0	EASTERN CAUCASUS.
2	17 32 38.8	5.3 S	134.0 E	18	5.4	AROE ISLANDS REGION.
2	20 13 33.4	5.5 S	151.7 E	48	5.2	NEW BRITAIN REGION. FELT AT RABAUL.
3	03 25 28.2	48.3 N	154.4 E	44	5.9	KURILE ISLANDS. MAG. 5 1/2 (PAL).
3	10 12 23.7	20.2 N	45.7 W	33	4.7	NORTH ATLANTIC RIDGE.
3	10 17 51.0	20.2 N	45.7 W	33	5.0	NORTH ATLANTIC RIDGE.
3	17 37 04*	61.4 N	150.6 W	53	4.0	SOUTHERN ALASKA. FELT AT ANCHORAGE, PALMER AND KENAI.
3	21 29 35.9	20.5 S	178.7 W	608	4.7	FIJI ISLANDS REGION.
4	00 12 00.6	42.8 N	45.6 E	64	4.6	EASTERN CAUCASUS.
4	01 41 46.3	18.0 S	178.3 W	534	3.7	FIJI ISLANDS REGION.
4	03 47 44.4	25.3 S	178.9 W	370	4.5	SOUTH OF FIJI ISLANDS.
4	04 10 08.5	5.4 S	151.7 E	55	4.8	NEW BRITAIN REGION.
4	04 53 31*	36.2 N	7.5 W	17	4.2	STRAITS OF GIBRALTER.
4	05 18 54*	1.9 S	139.0 E	33	5.1	NEAR N. COAST OF WEST NEW GUINEA.
4	05 34 15.1	61.0 S	23.3 W	111	5.1	SOUTH SANDWICH ISLANDS REGION.
4	06 01 01.0	30.1 N	70.0 E	3	5.0	WEST PAKISTAN.
4	07 46 59.8	43.0 N	45.7 E	39	4.5	EASTERN CAUCASUS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
4	07 53 07.2	17.7 S	168.0 E	42		NEW HEBRIDES ISLANDS.
4	08 04 59*	28.3 S	178.0 W	121	4.1	KERMADEC ISLANDS.
4	10 25 04*	1.3 S	80.1 W	33	4.2	NEAR COAST OF ECUADOR.
4	10 52 35*	32.6 N	115.4 W	22	3.6	CALIFORNIA-MEXICO BORDER REGION. MAG. 3.5 (PAS).
4	11 35 03*	51.5 N	178.6 W	49	4.8	ANDREANOF ISLANDS, ALEUTIAN IS.
4	12 40 02*	32.6 N	115.4 W	11		CALIFORNIA-MEXICO BORDER REGION. MAG. 3.5 (PAS). FELT AT EL CENTRO.
4	14 19 26.8	57.0 N	153.4 W	6	4.6	KODIAK ISLAND REGION.
4	17 29 26.0	24.2 S	177.3 W	27	4.8	SOUTH OF FIJI ISLANDS.
4	22 20 12.5	6.3 S	128.6 E	295	4.4	BANDA SEA.
4	23 58 56.0	38.4 S	177.9 E	18	6.1	NORTH ISLAND, NEW ZEALAND. CONSIDERABLE PROPERTY DAMAGE AT GISBORNE.
5	02 29 16.1	9.9 N	69.3 W	7	4.8	VENEZUELA. FELT AT BARQUISMETO, TRUJILLO AND YOMNOR.
5	02 44 21.5	6.2 N	123.7 E	55	4.5	MINDANAO, PHILIPPINE ISLANDS.
5	04 48 42.9	42.8 N	143.2 E	103	4.9	HOKKAIDO, JAPAN REGION.
5	09 58 31*	15.8 S	177.0 W	403	3.7	FIJI ISLANDS REGION.
5	13 49 15*	24.7 S	67.8 W	33	4.6	CHILE-ARGENTINA BORDER REGION.
5	14 33 23.0	8.3 N	74.7 W	43	4.8	NORTHERN COLOMBIA.
5	15 45 04.9	17.6 S	176.2 E	31	5.4	FIJI ISLANDS REGION.
5	18 15 00.05					37° 10′ 28″N. 116° 12′ 30″W. NEVADA TEST SITE. "RED HOT". SHOT ELEVATION 1895.8 METERS (AEC).
5	18 39 32.0	32.0 S	69.7 W	110	4.5	MENDOZA PROVINCE, ARGENTINA.
5	20 54 45.8	0.1 S	17.9 W	33	5.2	NORTH OF ASCENSION ISLAND.
5	22 49 35.9	21.9 S	174.9 W	46	5.4	TONGA ISLANDS.
6	00 09 33.4	9.5 N	126.3 E	95	5.1	MINDANAO, PHILIPPINE ISLANDS.
6	02 10 53.6	31.6 N	80.6 E	12	5.7	TIBET.
6	02 15 57.2	31.5 N	80.5 E	50	6.0	TIBET. MAG. 6 1/2 (PAS), 6.5-7 (BRK), 6 1/2-6 3/4 (PAL).
6	07 15 39.2	35.7 N	139.9 E	107	5.0	NEAR S. COAST OF HONSHU, JAPAN.
6	08 15 57*	49.7 N	29.0 W	33	4.0	NORTH ATLANTIC RIDGE.
6	13 41 05*	50.9 N	178.3 E	64	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
6	17 39 36.5	9.6 N	126.4 E	85	4.8	MINDANAO, PHILIPPINE ISLANDS.
6	17 58 40*	41.9 N	147.3 E	45	3.9	OFF COAST OF HOKKAIDO, JAPAN.
6	18 01 47.4	24.1 S	177.0 W	15	5.4	SOUTH OF FIJI ISLANDS.
6	19 09 25*	31.5 N	80.3 E	14	4.8	TIBET.
6	21 04 18.4	7.1 N	71.7 W	38	4.6	VENEZUELA.
7	01 16 09.7	39.1 N	41.6 E	38	5.3	TURKEY. MAG. 6 (PAS). 16 KILLED, MANY INJURED AND EXTENSIVE PROPERTY DAMAGE IN ERZURUM PROVINCE.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
7	02 35 27.3	20.6 S	178.4 W	596	5.0	FIJI ISLANDS REGION.
7	04 25 46.9	56.0 S	27.5 W	102	5.4	SOUTH SANDWICH ISLANDS REGION.
7	07 26 19.6	54.0 N	160.8 E	59	4.4	NEAR EAST COAST OF KAMCHATKA.
7	09 10 53.9	14.6 N	93.1 W	17	5.0	NEAR COAST OF CHIAPAS, MEXICO.
7	11 15 28*	14.0 N	93.2 W	33	4.0	OFF COAST OF CHIAPAS, MEXICO.
7	17 12 00.7	42.9 N	45.8 E	42	4.8	EASTERN CAUCASUS.
7	18 09 42.6	46.3 N	111.5 W	13	4.8	MONTANA. FELT IN SOUTHWESTERN MONTANA.
7	18 26 08*	45.0 N	111.9 W	33		HEBGEN LAKE REGION.
7	18 29 27.1	36.8 N	121.6 W	1		CENTRAL CALIFORNIA. MAG. 2 1/2-3 (BRK). HYPOCENTER BY BERKELEY.
7	18 41 00.069					37° 02′ 15″N. 116° 01′ 46″W. NEVADA TEST SITE. "FINFOOT". SHOT ELEVATION 1025.3 METERS (AEC).
7	19 58 53*	13.9 S	166.1 E	33		NEW HEBRIDES ISLANDS.
7	20 21 31*	56.8 N	151.3 W	22	4.8	KODIAK ISLAND REGION.
7	20 39 12.7	14.2 S	14.5 W	33	4.6	SOUTH ATLANTIC RIDGE.
7	21 01 26.9	45.6 N	150.1 E	50	4.4	KURILE ISLANDS.
7	21 29 17.4	37.3 N	114.9 E	33	6.0	NORTHEASTERN CHINA. MAG. 6 3/4 (PAS), 6.4 (BRK), 7-7 1/4 (PAL). INJURIES AND MODERATE TO HEAVY DAMAGE IN SOUTHERN HOPEH PROVINCE. FELT WIDELY.
7	21 44 52*	21.6 S	69.2 W	112	4.7	NORTHERN CHILE.
7	22 19 47*	37.5 N	115.0 E	33	4.8	NORTHEASTERN CHINA.
7	22 36 01.1	29.2 N	98.7 E	6	5.2	TIBET.
8	00 04 50.8	37.6 N	115.1 E	33	4.4	NORTHEASTERN CHINA.
8	00 18 12.6	19.0 S	173.2 W	56	5.2	TONGA ISLANDS.
8	01 03 19*	44.6 N	110.5 W	33		YELLOWSTONE NATIONAL PARK, WYO.
8	01 13 42.7	13.8 S	166.5 E	40	6.1	NEW HEBRIDES ISLANDS. MAG. 6 (PAS), 5.9-6.3 (BRK), 6 1/4-6 1/2 (PAL).
8	02 04 20.5	37.3 N	115.1 E	33	5.1	NORTHEASTERN CHINA.
8	02 32 53.5	31.3 S	68.6 W	110	4.8	SAN JUAN PROVINCE, ARGENTINA. FELT AT SAN JUAN.
8	02 51 34*	40.0 N	38.6 E	33	4.4	TURKEY.
8	03 46 37.8	37.6 N	114.9 E	33	5.0	NORTHEASTERN CHINA.
8	05 41 03.5	1.8 N	126.3 E	27	5.9	MOLUCCA PASSAGE. MAG. 5 3/4-6 (PAS), 4.7-5.2 (BRK).
8	06 00 05.9	1.8 N	126.4 E	33	5.5	MOLUCCA PASSAGE.
8	06 25 13*	37.8 N	114.9 E	33	4.9	NORTHEASTERN CHINA.
8	06 28 13.4	2.1 N	126.4 E	96	5.2	MOLUCCA PASSAGE.
8	07 21 37.9	36.3 N	70.7 E	110		HINDU KUSH REGION.
8	07 36 44.8	37.3 N	115.0 E	33	4.8	NORTHEASTERN CHINA.
8	10 28 57*	36.8 N	138.0 E	10	4.2	HONSHU, JAPAN.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
8	10 39 20*	0.2 N	92.7 W	33	4.2	GALAPAGOS ISLANDS REGION.
8	11 02 27*	53.9 N	35.3 W	33	4.2	NORTH ATLANTIC OCEAN.
8	12 19 18.7	1.8 N	126.3 E	60	5.5	MOLUCCA PASSAGE.
8	18 38 22.1	1.9 N	126.3 E	7	4.9	MOLUCCA PASSAGE.
8	18 51 45.2	38.9 N	21.3 E	24	4.9	GREECE. FELT AT PATIOPOULON AND ASTAKOS.
8	20 46 11.4	20.0 S	68.9 W	112	5.7	CHILE-BOLIVIA BORDER REGION. MAG. 5.2-5.5 (BRK). FELT AT ANTOFAGASTA, COPIAPO AND IQUIQUE.
8	23 15 47*	22.0 S	175.0 W	50	4.6	TONGA ISLANDS REGION.
8	23 26 37.8	53.3 N	170.2 E	7	4.8	NEAR ISLANDS, ALEUTIAN ISLANDS.
9	01 39 14*	47.8 N	153.9 E	74	4.4	KURILE ISLANDS.
9	03 12 48.2	2.2 N	31.6 E	35	4.5	UGANDA.
9	03 29 39*	2.2 N	31.4 E	33	4.4	UGANDA.
9	05 08 30.2	16.2 N	95.5 W	61	4.5	OAXACA, MEXICO.
9	05 46 12*	14.0 N	144.7 E	128	4.4	MARIANA ISLANDS. FELT ON GUAM.
9	08 11 04*	51.7 N	177.1 W	55	4.6	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.
9	08 50 13*	56.1 S	27.2 W	33	5.0	SOUTH SANDWICH ISLANDS REGION.
9	09 52 56.3	1.7 N	99.7 E	160	4.7	NORTHERN SUMATRA.
9	10 24 44.2	7.0 N	73.0 W	144	4.3	NORTHERN COLOMBIA.
9	13 06 03*	43.4 N	126.0 W	11	4.3	OFF COAST OF OREGON.
9	14 02 09.8	27.7 N	114.9 W	3	5.5	BAJA CALIFORNIA.
9	15 06 27.5	34.7 N	80.4 E	33	4.5	TIBET.
9	15 43 11.3	55.2 S	126.8 W	33	4.8	EASTER ISLAND CORDILLERA.
9	16 54 31*	18.6 S	177.7 W	561		FIJI ISLANDS REGION.
9	18 29 48.8	31.2 S	72.1 W	24	4.5	OFF COAST OF CENTRAL CHILE.
9	21 23 08.2	35.4 N	118.4 W	4		CENTRAL CALIFORNIA. MAG. 3.7 (BRK).
9	22 03 46*	36.8 N	137.8 E	10	4.2	HONSHU, JAPAN.
9	23 13 51.4	7.3 S	108.4 E	148	5.6	JAVA.
10	02 08 20.5	15.9 N	145.6 E	150	4.7	MARIANA ISLANDS.
10	03 48 42.5	35.3 N	135.6 E	33	4.2	SOUTHERN HONSHU, JAPAN.
10	04 26 19.7	32.2 N	137.6 E	382	5.6	SOUTH OF HONSHU, JAPAN. MAG. 5.5-5.9 (BRK). FELT AT TOKYO.
10	07 01 20.3	38.5 S	175.8 E	161	4.8	NORTH ISLAND, NEW ZEALAND.
10	10 57 53*	20.9 N	120.7 E	42	4.4	PHILIPPINE ISLANDS REGION.
10	11 19 02.0	40.1 N	41.6 E	58	3.9	TURKEY. FELT AT HINIS AND VARTO.
10	12 15 19.4	19.3 S	177.0 W	320	5.5	FIJI ISLANDS REGION.
10	12 41 53.2	1.8 N	126.3 E	66	4.8	MOLUCCA PASSAGE.
10	20 52 47.8	36.7 N	121.8 W	7		CENTRAL CALIFORNIA. MAG. 2.5-2.8 (BRK). HYPOCENTER BY BERKELEY.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
11	01 32 30.1	15.3 N	104.6 W	53	4.9	OFF COAST OF MICHOACAN, MEXICO.
11	01 48 35.1	19.6 S	69.3 W	111	5.4	NORTHERN CHILE. MAG. 4.7-5.2 (BRK).
11	04 20 20*	30.1 N	69.9 E	29	4.4	WEST PAKISTAN.
11	06 20 49*	37.1 N	115.1 E	33	4.4	NORTHEASTERN CHINA.
11	06 22 44*	37.7 N	114.8 E	33	4.4	NORTHEASTERN CHINA.
11	07 54 17.1	55.2 S	126.6 W	33	5.3	EASTER ISLAND CORDILLERA.
11	08 36 45.8	13.6 S	167.3 E	181	4.0	NEW HEBRIDES ISLANDS.
11	09 30 44.3	23.6 S	69.4 W	76	5.4	NORTHERN CHILE. FELT AT ANTOFAGASTA.
11	09 49 27.2	15.3 N	104.5 W	33	4.6	OFF COAST OF MICHOACAN, MEXICO.
11	10 24 20.3	21.7 N	95.4 W	47	4.7	GULF OF MEXICO.
11	15 46 26.1	36.4 N	71.1 E	248		AFGHANISTAN-USSR BORDER REGION.
11	20 01 44.1	34.4 N	24.3 E	22	5.1	CRETE.
11	22 31 21.4	84.0 N	2.0 E	40	4.0	NORTH OF SVALBARD.
11	23 13 27.6	28.4 N	43.9 W	33	4.7	NORTH ATLANTIC RIDGE.
11	23 15 42.8	28.3 N	43.9 W	33	5.0	NORTH ATLANTIC RIDGE.
11	23 18 50.0	28.3 N	44.0 W	33	4.9	NORTH ATLANTIC RIDGE.
11	23 36 42.6	28.4 N	44.0 W	33	5.1	NORTH ATLANTIC RIDGE.
12	00 53 22.7	14.9 N	92.7 W	60	4.3	NEAR COAST OF CHIAPAS, MEXICO.
12	01 05 33.3	30.9 S	178.5 W	84	5.3	KERMADEC ISLANDS REGION. MAG. 4 1/2-5 (BRK).
12	06 58 37.6	31.6 S	67.2 W	127	5.0	SAN JUAN PROVINCE, ARGENTINA.
12	08 01 50*	34.2 S	70.2 W	129	4.2	CHILE-ARGENTINA BORDER REGION.
12	08 10 36*	34.1 S	70.3 W	132	3.7	CHILE-ARGENTINA BORDER REGION.
12	12 09 05*	30.3 S	178.9 W	210	4.8	KERMADEC ISLANDS REGION.
12	12 43 51*	54.0 N	164.1 W	33		UNIMAK ISLAND REGION.
12	13 26 21.4	34.9 N	116.4 W	4		SOUTHERN CALIFORNIA. MAG. 3-3 1/4 (PAS).
12	14 19 36*	15.0 S	173.6 W	19	4.9	SAMOA ISLANDS REGION.
12	14 26 58*	15.6 S	173.0 W	33	5.2	TONGA ISLANDS.
12	15 35 35.9	22.6 S	176.6 W	66	4.9	SOUTH OF FIJI ISLANDS.
12	16 31 20.6	24.2 N	122.6 E	48		TAIWAN REGION. MAG. 7 1/2-7 3/4 (PAS), 7-7.5 (BRK), 7 3/4-8 (PAL). 7 KILLED ON TAIWAN, 2 ON OKINAWA AND CONSIDERABLE PROPERTY DAMAGE ON TAIWAN AND OKINAWA.
12	16 47 48*	23.8 N	122.6 F	33		TAIWAN REGION.
12	16 53 18*	23.8 N	122.5 E	78		TAIWAN REGION. FELT AT ANPU.
12	16 59 23*	36.8 N	121.5 W	9		CENTRAL CALIFORNIA. MAG. 2.5 (BRK).
12	17 59 35.6	24.2 N	122.6 E	51	5.4	TAIWAN REGION.
12	18 04 13.105					37° 08′ 37″N. 116° 03′ 09″W. NEVADA TEST SITE. "CLYMER". SHOT ELEVATION 896.7 METERS (AEC).

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
12	18 06 53*	14.1 S	73.6 W	79	4.1	PERU.
12	18 13 39.3	23.6 N	122.9 E	49	4.7	TAIWAN REGION.
12	18 26 34.1	34.4 S	72.4 W	38	5.1	NEAR COAST OF CENTRAL CHILE.
12	19 13 56*	24.0 N	122.9 E	33	4.8	TAIWAN REGION.
12	19 17 07*	24.9 N	122.7 E	43	4.7	TAIWAN REGION.
12	19 22 59.9	23.9 N	122.9 E	51	5.0	TAIWAN REGION.
12	20 08 56.6	24.1 N	122.3 E	100		TAIWAN REGION.
12	20 31 46.5	24.0 N	122.6 E	78	5.0	TAIWAN REGION.
12	20 41 40*	24.2 N	122.6 E	125	4.4	TAIWAN REGION.
12	20 51 46.4	23.6 N	122.8 E	36	4.7	TAIWAN REGION.
12	20 57 06*	24.0 N	122.7 E	93	4.4	TAIWAN REGION.
12	21 42 22*	23.9 N	122.7 E	64	4.0	TAIWAN REGION.
12	22 04 25*	24.0 N	122.8 E	101	4.3	TAIWAN REGION.
12	22 18 30*	23.6 N	122.6 E	21	4.6	TAIWAN REGION.
12	22 47 32*	39.3 N	5.9 E	33	4.4	WESTERN MEDITERRANEAN SEA.
12	23 33 07.9	23.7 N	122.6 E	59	4.7	TAIWAN REGION.
13	00 49 14.1	24.0 N	122.5 E	58	5.1	TAIWAN REGION.
13	01 36 34.0	28.3 N	43.8 W	33	4.9	NORTH ATLANTIC RIDGE.
13	03 05 39*	24.3 N	122.7 E	84	4.7	TAIWAN REGION.
13	03 57 29*	24.0 N	122.8 E	58	4.5	TAIWAN REGION.
13	04 11 18*	23.7 N	122.9 E	56	4.6	TAIWAN REGION.
13	04 30 52.6	23.8 N	122.4 E	37	4.9	TAIWAN REGION.
13	04 55 33.0	24.1 N	122.7 E	70	4.6	TAIWAN REGION.
13	05 42 04*	24.0 N	122.7 E	43	4.2	TAIWAN REGION.
13	07 02 07.6	19.2 S	168.7 E	43	4.1	NEW HEBRIDES ISLANDS.
13	08 02 45.7	24.1 N	122.5 E	60	4.9	TAIWAN REGION.
13	09 39 40.0	17.0 N	100.8 W	56	4.1	NEAR COAST OF GUERRERO, MEXICO.
13	10 01 28*	17.8 N	100.7 W	116	3.7	GUERRERO, MEXICO.
13	14 53 46.6	23.8 N	122.8 E	40	5.1	TAIWAN REGION.
13	15 41 16.4	35.4 N	118.4 W	7		CENTRAL CALIFORNIA. MAG. 3 (PAS).
13	15 58 32*	1.2 N	124.1 E	237	4.7	NORTHERN CELEBES.
13	16 14 34.3	8.8 S	119.4 E	33	5.0	FLORES ISLAND REGION.
13	17 58 34.5	55.5 S	126.5 W	33	5.5	EASTER ISLAND CORDILLERA. MAG. 6-6.4 (BRK).
13	18 40 40.9	20.9 S	175.5 W	66	5.2	TONGA ISLANDS.
13	19 01 48.6	24.2 N	123.3 E	33	4.8	SOUTHWESTERN RYUKYU ISLANDS.
13	19 35 51.8	38.9 N	21.6 E	15	4.3	GREECE. FELT IN AETOLIA.
13	21 46 23*	14.2 N	88.4 W	36	4.2	HONDURAS. FELT AT SAN SALVADOR, EL SALVADOR.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
13	21 47 52*	20.5 S	175.4 W	31	4.7	TONGA ISLANDS.
13	22 18 39*	23.9 N	122.7 E	59	4.6	TAIWAN REGION.
14	03 21 31.9	1.1 N	27.8 W	24	5.2	CENTRAL MID-ATLANTIC RIDGE.
14	04 01 37.6	23.6 N	122.6 E	34		TAIWAN REGION.
14	04 42 50.4	32.5 N	97.5 E	33	4.8	TIBET.
14	06 38 04.5	36.9 N	141.0 E	56	5.1	NEAR EAST COAST OF HONSHU, JAPAN.
14	09 21 49.1	23.8 N	122.3 E	40	4.7	TAIWAN REGION.
14	11 48 40*	8.3 N	104.1 W	33	4.2	OFF COAST OF MEXICO.
14	13 18 53.4	0.3 N	125.2 E	100	5.0	MOLUCCA PASSAGE.
14	14 04 22.1	30.9 S	179.9 W	396		KERMADEC ISLANDS.
14	14 08 40.3	39.1 N	21.3 E	40	4.4	GREECE. FELT IN ARTA, EVRYTANIA AND AETOLIA.
14	15 11 01.1	34.0 N	117.3 W	12		SOUTHERN CALIFORNIA. MAG. 2.5 (PAS).
14	19 09 04*	24.0 N	122.9 E	33		TAIWAN REGION.
14	19 34 24.3	4.0 S	152.9 E	19		NEW BRITAIN REGION. FELT AT RABAUL AND LONDOLOVIT.
14	21 57 42.5	0.5 N	125.5 E	37	5.4	MOLUCCA PASSAGE.
14	23 28 53.1	6.0 N	146.3 E	16	4.9	CAROLINE ISLANDS REGION.
15	03 46 18*	18.0 S	69.3 W	152	4.2	NORTHERN CHILE.
15	04 48 52*	14.0 S	167.1 E	290	3.8	NEW HEBRIDES ISLANDS.
15	09 14 29.4	30.0 N	69.8 E	35	4.7	WEST PAKISTAN.
15	11 14 00.5	24.2 N	122.7 E	60	5.2	TAIWAN REGION.
15	15 40 59.4	26.2 S	28.0 E	34	4.5	REPUBLIC OF SOUTH AFRICA.
15	16 10 25.4	22.1 S	179.4 W	591	4.8	SOUTH OF FIJI ISLANDS.
15	16 32 36*	25.1 S	179.8 E	503	4.2	SOUTH OF FIJI ISLANDS.
15	23 09 33.6	2.6 S	140.2 E	33	4.9	NEAR N. COAST OF WEST NEW GUINEA.
15	23 31 48.0	24.2 N	122.6 E	35	5.4	TAIWAN REGION.
15	23 44 27.6	18.0 S	178.2 W	606	4.5	FIJI ISLANDS REGION.
16	00 08 17.9	33.3 N	76.0 E	36	5.0	EASTERN KASHMIR.
16	04 34 35*	15.8 N	94.0 W	93	4.0	NEAR COAST OF CHIAPAS, MEXICO.
16	06 47 19*	8.6 S	168.7 E	33		SANTA CRUZ ISLANDS REGION.
16	07 27 23*	50.1 N	177.7 W	33	4.0	ANDREANOF ISLANDS, ALEUTIAN IS.
16	10 38 29.2	34.3 N	46.1 E	33	4.2	WESTERN IRAN.
16	10 58 53.9	6.2 S	149.1 E	57	5.0	NEW BRITAIN REGION.
16	12 13 01.7	21.2 S	174.3 W	60	5.4	TONGA ISLANDS.
16	13 27 14.7	47.4 N	11.5 E	2	4.1	AUSTRIA. FELT AT INNSBRUCK.
16	14 57 38*	2.5 S	153.4 E	33		NEW IRELAND REGION.
16	16 57 45.0	13.2 N	120.8 E	72	4.1	MINDORO, PHILIPPINE ISLANDS.
16	17 40 27.9	29.9 N	69.8 E	13	4.9	WEST PAKISTAN.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
16	18 21 09.4	36.5 N	121.5 W	2		CENTRAL CALIFORNIA. MAG. 3.0 (BRK). FELT AT HOLLISTER AND SALINAS. HYPOCENTER BY BERKELEY.
16	18 24 03.8	36.9 N	121.5 W	2		CENTRAL CALIFORNIA. MAG. 3.5-3.75 (BRK). FELT AT GONZALES, HOLLISTER AND SALINAS. HYPOCENTER BY BERKELEY.
16	20 38 23.7	9.6 N	122.1 E	23	5.4	NEGROS, PHILIPPINE ISLANDS. FELT AT CEBU, DIPOLOG AND DUMAGUETE.
17	02 54 10.8	1.7 S	13.0 W	33	4.9	NORTH OF ASCENSION ISLAND.
17	03 57 27.1	2.0 N	126.4 E	76	5.4	MOLUCCA PASSAGE.
17	04 07 46*	2.1 N	126.4 E	79	4.8	MOLUCCA PASSAGE.
17	05 44 47.7	31.6 N	829.E	11	4.9	TIBET.
17	07 50 22*	14.5 S	172.8 W	33	4.4	SAMOA ISLANDS.
17	08 07 19*	8.1 S	122.2 E	33	5.0	FLORES ISLAND REGION.
17	08 19 18*	4.7 S	148.4 E	181		BISMARCK SEA.
17	08 38 45.6	9.6 N	122.4 E	100	4.8	NEGROS, PHILIPPINE ISLANDS.
17	10 59 02.6	19.4 S	70.5 W	50	4.3	NEAR COAST OF NORTHERN CHILE.
17	11 47 50.0	41.7 N	111.5 W	45	4.4	UTAH. FELT IN NORTHERN UTAH AND SOUTHEASTERN IDAHO.
17	14 04 13*	8.8 N	103.7 W	33	4.2	OFF COAST OF MEXICO.
17	15 50 33.1	21.1 S	179.2 W	639	6.2	FIJI ISLANDS REGION. MAG. 6 3/4 (PAS), 5.8-6.2 (BRK).
17	19 38 10.8	1.8 N	126.2 E	53		MOLUCCA PASSAGE.
17	22 25 18*	55.0 N	161.6 E	33	4.6	NEAR EAST COAST OF KAMCHATKA.
18	01 10 26.6	28.4 N	43.9 W	33	4.9	NORTH ATLANTIC RIDGE.
18	04 59 27.5	6.8 N	72.9 W	164	4.5	NORTHERN COLOMBIA.
18	09 19 11.3	20.3 S	177.8 W	518	3.9	FIJI ISLANDS REGION.
18	10 44 10.6	30.0 N	69.9 E	38	4.8	WEST PAKISTAN.
18	14 14 12.4	51.6 N	174.5 W	35	4.8	ANDREANOF ISLANDS, ALEUTIAN IS.
18	15 24 55*	3.8 S	150.5 E	33	4.7	NEW IRELAND REGION.
18	17 08 40.2	11.4 S	66.4 E	33	4.8	MID-INDIAN RISE.
18	18 05 23.6	43.7 N	127.3 W	33	5.0	OFF COAST OF OREGON. MAG. 4 (BRK).
18	18 11 07.5	60.4 N	146.4 W	17	5.0	SOUTHERN ALASKA.
18	19 00 00.039					37° 00' 33"N. 116° 00' 33"W. NEVADA TEST SITE. "PURPLE". SHOT ELEVATION 871.4 METERS (AEC).
18	19 08 42*	49.8 N	155.5 E	33	4.4	KURILE ISLANDS.
18	20 03 40.0					"PURPLE" COLLAPSE
18	20 46 20.9	20.6 S	169.6 E	89	5.0	NEW HEBRIDES ISLANDS.
18	21 55 56*	13.3 N	90.9 W	40	4.3	NEAR COAST OF GUATEMALA.
18	23 37 05*	15.0 N	93.6 W	30	4.2	NEAR COAST OF CHIAPAS, MEXICO.
19	01 23 37*	44.3 N	129.2 W	33	4.8	OFF COAST OF OREGON.
19	01 55 40*	50.4 N	177.7 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
19	06 10 48.8	57.8 N	152.9 W	13	4.6	KODIAK ISLAND REGION.
19	08 11 46.3	43.2 N	145.8 E	61	5.5	HOKKAIDO, JAPAN REGION.
19	09 33 44*	62.4 N	151.2 W	86	4.3	CENTRAL ALASKA.
19	13 42 27.4	9.3 S	159.1 E	33	5.4	SOLOMON ISLANDS. FELT AT HONIARA.
19	14 21 55.3	33.2 N	116.2 W	14	4.6	SOUTHERN CALIFORNIA. MAG. 4 (PAS), 4.5-4.75 (BRK).
19	14 51 52.7	52.7 S	19.8 E	33	5.2	SOUTHWEST OF AFRICA.
19	14 59 36.4	23.9 N	122.8 E	39		TAIWAN REGION.
19	16 29 09.7	24.5 S	180.0 W	500	4.7	SOUTH OF FIJI ISLANDS.
19	16 59 41.9	37.4 N	114.9 E	33	5.1	NORTHEASTERN CHINA. FELT IN SINGTAI AREA.
19	17 09 04.8	52.8 S	20.1 E	33	5.1	SOUTH OF AFRICA.
19	17 10 33*	53.2 S	20.6 E	38	4.6	SOUTH OF AFRICA.
19	17 16 41.2	52.8 S	19.9 E	33	5.4	SOUTHWEST OF AFRICA.
19	22 44 20.2	12.3 S	167.2 E	38	4.6	SANTA CRUZ ISLANDS.
20	01 42 49.8	0.7 N	29.8 E	24	6.2	REPUBLIC OF THE CONGO. MAG. 6 3/4-7 (PAS), 6.4-6.6 (BRK), 7-7 1/4 (PAL). 140 KILLED. HEAVY DESTRUCTION AT FORT PORTAL, BUNDIBUGYO AND KICHWAMBA.
20	02 39 40.4	1.1 N	30.0 E	16	5.4	REPUBLIC OF THE CONGO. FELT.
20	03 22 46.9	0.9 N	30.0 E	33	5.0	REPUBLIC OF THE CONGO. FELT.
20	05 49 57.7	49.7 N	78.0 E	0	6.2	EASTERN KAZAKH SSR. MAG. 5.2 (BRK).
20	06 52 49.9	12.2 S	167.0 E	271	4.6	SANTA CRUZ ISLANDS.
20	07 47 50.5	16.9 S	174.3 W	117	5.7	TONGA ISLANDS.
20	08 06 45.3	17.0 S	174.1 W	140	4.7	TONGA ISLANDS.
20	08 55 34.6	0.8 N	29.8 E	5	5.3	REPUBLIC OF THE CONGO. FELT.
20	09 04 34.7	21.0 S	174.6 W	122	5.2	TONGA ISLANDS. MAG. 5 3/4 (PAS), 6.0 (BRK).
20	10 00 44.2	7.0 S	105.8 E	58	5.0	JAVA.
20	11 31 20.1	5.0 N	127.5 E	148	5.0	PHILIPPINE ISLANDS REGION.
20	16 26 31*	14.5 N	94.0 W	33	4.4	NEAR COAST OF CHIAPAS, MEXICO.
20	17 27 12.9	13.2 N	124.9 E	33	5.1	LUZON, PHILIPPINE ISLANDS.
20	17 42 22.5	45.0 S	167.8 E	121	4.8	SOUTH ISLAND, NEW ZEALAND. FELT AT INVERCARGLE, OAMARU AND QUEENSTOWN.
20	18 09 02.8	12.1 S	167.4 E	6	5.3	SANTA CRUZ ISLANDS.
20	18 23 21.4	11.9 S	167.2 E	49	4.4	SANTA CRUZ ISLANDS.
20	18 36 09*	19.7 S	178.6 W	571	4.0	FIJI ISLANDS REGION.
20	21 49 59.8	71.7 N	2.8 W	33	4.9	JAN MAYEN ISLAND REGION.
20	22 28 50*	71.2 N	5.9 W	33	4.3	JAN MAYEN ISLAND REGION.
21	00 02 55.6	23.8 N	122.9 E	33	5.0	TAIWAN REGION.
21	01 30 37.7	0.8 N	29.8 E	5	5.4	REPUBLIC OF THE CONGO.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
21	01 48 16*	82.9 N	32.9 W	33	4.0	NEAR NORTH COAST OF GREENLAND.
21	06 29 01.5	26.2 N	129.1 E	30	5.5	RYUKYU ISLANDS.
21	07 17 22.0	16.4 S	173.1 W	68	4.4	TONGA ISLANDS.
21	07 54 20.0	20.5 S	176.2 W	250	4.4	FIJI ISLANDS REGION.
21	09 23 49.3	0.8 N	29.9 E	6	5.1	REPUBLIC OF THE CONGO.
21	13 26 10.9	21.1 S	68.7 W	128	5.2	CHILE-BOLIVIA BORDER REGION.
21	14 28 11.4	3.3 N	84.1 W	33	4.6	OFF COAST OF CENTRAL AMERICA.
21	14 53 56.5	3.3 N	84.3 W	33	4.4	OFF COAST OF CENTRAL AMERICA.
21	15 39 46.8	21.2 S	179.1 W	602	4.6	FIJI ISLANDS REGION.
21	16 00 21.8	2.6 S	140.3 E	13	5.2	NEAR N. COAST OF WEST NEW GUINEA.
21	17 41 00*	45.5 N	151.5 E	45	4.2	KURILE ISLANDS.
21	17 58 38*	47.3 N	154.3 E	33	4.5	KURILE ISLANDS.
21	19 44 14.1	2.8 S	140.4 E	33	4.8	NEAR N. COAST OF WEST NEW GUINEA.
21	20 37 37.0	21.8 N	121.1 E	49	4.8	TAIWAN REGION.
21	21 30 03*	18.5 S	178.3 W	486	3.9	FIJI ISLANDS REGION.
21	21 39 02*	43.5 N	17.7 E	21	5.4	YUGOSLAVIA. FELT AT SARAJEVO.
21	22 33 33.7	1.4 S	134.6 E	33		WEST NEW GUINEA REGION.
21	22 51 15*	3.7 N	122.7 E	533		CELEBES SEA.
22	00 22 04*	17.3 S	174.9 W	234	4.4	TONGA ISLANDS.
22	03 41 47*	13.1 N	90.0 W	20	4.8	NEAR COAST OF GUATEMALA.
22	05 57 46.4	37.9 N	114.8 E	34	4.6	NORTHEASTERN CHINA.
22	07 52 49*	10.1 N	148.1 E	55	5.0	CAROLINE ISLANDS REGION.
22	08 11 33.2	37.6 N	115.0 E	3	6.0	NORTHEASTERN CHINA. MAG. 5.8-6.2 (BRK).
22	08 19 34.5	37.6 N	115.2 E	33		NORTHEASTERN CHINA. MAG. 6 3/4-7 (PAS), 6.5-6.8 (BRK), 7 1/4-7 1/2 (PAL). SEVERAL CASUALITIES AND MAJOR PROPERTY DAMAGE IN SOUTHERN HOPEH PROVINCE.
22	08 45 50.6	37.3 N	115.2 E	21	5.7	NORTHEASTERN CHINA.
22	09 44 14*	46.2 N	152.3 E	33	4.1	KURILE ISLANDS.
22	10 16 07.5	24.4 S	180.0 W	497	3.9	SOUTH OF FIJI ISLANDS.
22	10 29 00*	61.2 N	151.6 W	103	4.2	SOUTHERN ALASKA.
22	11 08 35.5	37.8 N	115.0 E	11	5.2	NORTHEASTERN CHINA.
22	11 37 29*	37.3 N	115.1 E	33	4.6	NORTHEASTERN CHINA.
22	12 08 04.6	37.7 N	115.2 E	33	4.8	NORTHEASTERN CHINA.
22	13 05 06.0	24.2 S	180.0 E	511	4.3	SOUTH OF FIJI ISLANDS.
22	14 30 07*	37.3 N	115.4 E	33	4.5	NORTHEASTERN CHINA.
22	16 36 02.1	18.2 S	179.8 W	589	3.6	FIJI ISLANDS REGION.
22	18 59 01*	19.7 S	69.5 W	99	3.7	NORTHERN CHILE.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
23	00 04 33.2	23.9 N	122.9 E	36	6.6	TAIWAN REGION. MAG. 6 (PAS), 5.5-5.9 (BRK), 6-6 1/4 (PAL). FELT.
23	01 06 56*	27.1 N	140.4 E	449	4.2	BONIN ISLANDS REGION.
23	03 24 26*	38.1 S	72.6 W	82	4.2	CENTRAL CHILE.
23	04 11 34.9	38.1 S	73.6 W	25	5.3	NEAR COAST OF CENTRAL CHILE. FELT AT VALDIVIA.
23	05 11 32.5	16.8 N	85.9 W	33	4.9	CARIBBEAN SEA. MAG. 4 3/4 (PAL).
23	06 10 12*	6.5 S	79.3 W	33	3.9	NEAR COAST OF NORTHERN PERU.
23	07 15 08*	57.9 N	149.6 W	33		GULF OF ALASKA.
23	08 01 13.3	21.5 S	174.0 W	33	4.8	TONGA ISLANDS.
23	11 20 27*	32.9 S	178.4 W	18		SOUTH OF KERMADEC ISLANDS.
23	14 30 05.0	12.1 S	167.0 E	32	4.4	SANTA CRUZ ISLANDS.
23	17 28 01.9	37.4 N	115.0 E	33	5.2	NORTHEASTERN CHINA.
23	19 00 59.3	8.7 N	82.5 W	54	4.7	PANAMA-COSTA RICA BORDER REGION.
23	21 49 51.9	2.4 N	128.4 E	87		HALMAHERA.
23	21 57 09.8	7.2 S	74.7 W	140	5.1	PERU-BRAZIL BORDER REGION.
23	22 47 58*	40.3 N	124.7 W	10	4.8	NEAR COAST OF NORTHERN CALIF.
23	22 52 24.2	25.9 N	90.0 E	20	4.4	INDIA-EAST PAKISTAN BORDER REG.
24	00 58 10*	6.1 S	130.5 E	56	4.8	BANDA SEA.
24	03 22 21.5	52.8 N	171.9 E	46	4.6	NEAR ISLANDS, ALEUTIAN ISLANDS.
24	04 04 55.5	21.5 S	176.3 W	191	5.3	FIJI ISLANDS REGION. MAG. 4.2-4.6 (BRK).
24	07 24 52.2	33.0 S	109.0 W	33	4.8	EASTER ISLAND CORDILLERA.
24	08 24 05*	37.0 N	107.1 W	5		NEW MEXICO.
24	08 27 51.4	13.7 S	166.8 E	45	5.8	NEW HEBRIDES ISLANDS.
24	09 12 43*	17.6 S	168.1 E	60		NEW HEBRIDES ISLANDS.
24	11 10 49.9	12.2 S	167.3 E	50	4.9	SANTA CRUZ ISLANDS.
24	13 03 39.4	2.6 S	140.4 E	8	5.0	NEAR N. COAST OF WEST NEW GUINEA.
24	13 35 03.2	19.5 S	168.5 E	16		NEW HEBRIDES ISLANDS.
24	14 17 30.5	9.8 S	78.6 W	62	4.4	NEAR COAST OF NORTHERN PERU.
24	14 55 28.145					37° 06' 48"N. 116° 01' 53"W. NEVADA TEST SITE. "TEMPLAR". SHOT ELEVATION 1149.4 METERS (AEC).
24	16 47 04.2	19.1 S	175.9 W	280	4.5	TONGA ISLANDS.
24	17 33 46.1	1.7 S	149.4 E	34	5.2	NEW IRELAND REGION.
24	20 02 28.6	9.1 S	113.5 E	63	5.1	SOUTH OF JAVA.
24	20 10 59*	36.8 N	108.3 W	5		NEW MEXICO.
24	22 08 11.5	19.7 S	176.0 W	257	4.5	TONGA ISLANDS.
25	00 02 40*	40.3 N	142.6 E	80	4.0	NEAR EAST COAST OF HONSHU, JAPAN.
25	01 15 12*	62.6 N	151.0 W	106	4.4	CENTRAL ALASKA.
25	06 17 05*	37.4 N	115.4 E	33	4.3	NORTHEASTERN CHINA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
25	06 33 23*	37.8 N	114.9 E	33	4.6	NORTHEASTERN CHINA.
25	08 56 45.5	2.0 S	139.0 E	45	5.6	NEAR N. COAST OF WEST NEW GUINEA.
25	11 17 59.4	8.1 S	121.7 E	33	5.1	FLORES ISLAND REGION.
25	12 01 06.5	21.3 S	174.2 W	44	4.5	TONGA ISLANDS.
25	12 54 55.2	51.3 N	179.7 W	36	5.0	ANDREANOF ISLANDS, ALEUTIAN IS.
25	12 56 23.7	58.8 S	25.2 W	25	4.8	SOUTH SANDWICH ISLANDS REGION.
25	13 34 21.2	12.0 S	167.4 E	13	4.9	SANTA CRUZ ISLANDS.
25	13 49 49.3	0.8 N	30.5 E	33	4.6	UGANDA.
25	15 30 34*	15.6 N	93.6 W	35	4.0	NEAR COAST OF CHIAPAS, MEXICO.
25	21 57 38.0	0.8 N	30.5 E	33		UGANDA.
25	21 59 26.3	56.6 N	135.4 W	21	4.7	SOUTHEASTERN ALASKA. FELT AT SITKA.
25	23 17 22.1	39.1 N	29.4 E	42	4.3	TURKEY.
26	02 14 09.0	6.9 N	73.0 W	154	4.6	NORTHERN COLOMBIA.
26	09 42 18.9	18.5 S	26.4 E	33	5.2	RHODESIA. SLIGHT DAMAGE IN VICTORIA FALLS AREA.
26	10 47 20.1	43.8 N	128.0 W	33	4.6	OFF COAST OF OREGON.
26	12 29 55*	63.2 N	24.4 W	33	4.7	ICELAND REGION.
26	13 36 47*	50.9 N	175.8 E	33	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
26	14 09 07.9	19.9 N	120.7 E	20	5.7	PHILIPPINE ISLANDS REGION.
26	15 14 34.5	37.9 N	115.0 E	33	4.7	NORTHEASTERN CHINA.
26	15 19 03.8	37.7 N	115.1 E	33	5.5	NORTHEASTERN CHINA. MAG. 5.4-5.6 (BRK), 6-6 1/4 (PAL).
26	18 14 23.1	37.8 N	115.0 E	33	5.1	NORTHEASTERN CHINA. MAG. 5 1/2-5 3/4 (PAL).
26	18 51 10*	29.9 N	69.7 E	36	4.0	WEST PAKISTAN.
26	20 17 32.2	39.0 N	21.8 E	33	4.4	GREECE.
26	22 13 22.2	5.7 S	149.3 E	111	5.1	NEW BRITAIN REGION.
26	22 41 31*	18.9 S	174.5 W	155	4.2	TONGA ISLANDS.
27	01 32 22*	36.9 S	70.4 W	154	4.0	CHILE-ARGENTINA BORDER REGION.
27	01 40 59.5	14.4 N	56.7 E	35	5.1	ARABIAN SEA.
27	01 49 14.3	38.0 N	24.0 E	179	4.2	AEGEAN SEA.
27	01 59 17*	7.0 S	130.0 E	133	4.7	BANDA SEA.
27	02 10 50*	52.9 N	159.6 E	33	3.9	OFF EAST COAST OF KAMCHATKA.
27	03 31 19.6	9.0 S	108.8 E	33	5.2	JAVA.
27	04 24 10.0	25.0 N	122.2 E	84	4.6	TAIWAN REGION.
27	05 30 08*	19.1 N	103.0 W	101	3.3	MICHOACAN, MEXICO.
27	05 43 49.5	55.5 S	1.5 W	22	5.1	BOUVET ISLAND REGION.
27	10 38 58.6	11.4 S	166.5 E	188	4.8	SANTA CRUZ ISLANDS.
27	13 27 12.2	5.5 N	124.5 E	376		MINDANAO, PHILIPPINE ISLANDS.
27	14 53 33.2	23.7 S	66.7 W	194	4.9	JUJUY PROVINCE, ARGENTINA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
27	15 44 46.3	60.5 N	146.1 W	33	4.0	SOUTHERN ALASKA.
27	18 53 41.3	8.8 N	83.5 W	41	5.9	COSTA RICA. MAG. 5.5-6 (BRK), 5 1/4-5 1/2 (PAL).
27	20 02 47.8	86.1 N	114.7 W	33	4.3	ARCTIC OCEAN.
27	20 57 16.0	37.8 N	115.0 E	5	4.8	NORTHEASTERN CHINA.
27	21 07 30*	14.5 N	93.5 W	33	3.7	NEAR COAST OF CHIAPAS, MEXICO.
27	23 12 49.1	9.8 N	83.3 W	61	4.2	COSTA RICA.
28	00 04 18*	9.0 N	83.3 W	45		COSTA RICA.
28	00 33 30*	9.5 N	83.1 W	46	4.0	COSTA RICA.
28	03 26 30.9	37.4 N	114.9 E	33	4.8	NORTHEASTERN CHINA.
28	04 04 39.8	39.0 N	21.5 E	10	4.1	GREECE.
28	04 44 12.0	32.1 S	78.9 E	33	5.4	MID-INDIAN RISE.
28	08 54 52.5	55.5 S	1.2 W	33	4.7	BOUVET ISLAND REGION.
28	12 08 40.4	55.5 S	1.4 W	33	5.3	BOUVET ISLAND REGION.
28	14 03 06*	38.1 N	114.8 E	33	4.5	NORTHEASTERN CHINA.
28	15 29 21.2	4.0 S	80.9 W	39	5.6	PERU-ECUADOR BORDER REGION. MAG. 4.7-5.3 (BRK), 5-5 1/4 (PAL).
28	15 46 07.0	17.4 N	145.7 E	201	5.7	MARIANA ISLANDS.
28	16 04 59.8	28.6 N	138.8 E	525	5.0	BONIN ISLANDS REGION.
28	17 42 44.2	4.0 S	80.8 W	20	5.5	PERU-ECUADOR BORDER REGION. MAG. 4.8-5.2 (BRK), 5 (PAL).
28	18 20 11*	4.0 S	80.7 W	45	4.1	PERU-ECUADOR BORDER REGION.
28	18 56 19.7	4.0 S	80.7 W	39	4.3	PERU-ECUADOR BORDER REGION.
28	19 12 29*	21.1 S	174.4 W	80	4.1	TONGA ISLANDS.
28	20 29 32.7	4.0 S	80.9 W	25	4.6	PERU-ECUADOR BORDER REGION.
29	00 08 42*	36.7 N	26.6 E	33		DODECANESE ISLANDS.
29	02 08 44.6	32.0 S	178.6 W	12	4.7	KERMADEC ISLANDS.
29	02 17 39.0	23.7 N	142.1 E	82	6.1	VOLCANO ISLANDS REGION. MAG. 5 1/2 (PAL).
29	04 05 07*	8.5 S	106.0 E	61		SOUTH OF JAVA.
29	06 11 57.8	37.4 N	115.0 E	17	5.7	NORTHEASTERN CHINA.
29	09 32 20*	7.1 N	73.4 W	135	3.8	NORTHERN COLOMBIA.
29	10 06 12*	7.4 N	73.8 W	153	4.1	NORTHERN COLOMBIA.
29	10 42 15.2	20.0 S	175.4 W	97	5.2	TONGA ISLANDS.
29	11 38 22*	15.2 S	166.8 E	101	4.3	NEW HEBRIDES ISLANDS.
29	12 55 04*	41.2 N	125.6 W	16	4.0	OFF COAST OF NORTHERN CALIFORNIA. MAG. 3.6 (BRK).
29	14 59 59*	19.1 N	107.9 W	33	3.8	OFF COAST OF JALISCO, MEXICO.
29	15 37 37*	16.9 N	96.0 W	43	3.7	OAXACA, MEXICO.
29	15 44 58.3	37.5 N	115.1 E	33	4.8	NORTHEASTERN CHINA.
29	16 23 02*	16.1 S	172.8 W	7	4.5	SAMOA ISLANDS REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
MAR	H M S	DEG	DEG	KM		
29	17 24 08.9	0.8 N	30.4 E	6	4.8	UGANDA.
29	18 29 12.4	3.9 S	144.6 E	33		NEAR NORTH COAST OF NEW GUINEA.
29	20 26 59*	57.4 N	139.7 W	33	4.1	OFF COAST OF SOUTHEASTERN ALASKA.
29	22 57 16*	53.8 N	165.7 W	40	4.2	FOX ISLANDS, ALEUTIAN ISLANDS.
29	23 22 35.1	38.5 N	29.4 E	37		TURKEY.
30	01 26 35.7	10.3 S	161.6 E	50	5.0	SOLOMON ISLANDS. FELT AT KIRAKIRA.
30	01 34 34*	17.6 S	179.0 W	541	3.6	FIJI ISLANDS REGION.
30	04 18 38.3	21.8 N	62.2 E	33	5.5	ARABIAN SEA.
30	04 53 39.9	29.8 S	71.3 W	77	4.5	NEAR COAST OF CENTRAL CHILE. FELT AT LA SERENA.
30	05 30 54*	28.6 N	127.8 E	33	4.6	EAST CHINA SEA.
30	05 46 31*	51.9 N	170.6 W	33	4.4	FOX ISLANDS, ALEUTIAN ISLANDS.
30	08 15 03.5	29.2 N	131.3 E	19	5.1	RYUKYU ISLANDS REGION.
30	11 29 55.7	16.6 S	177.2 W	393	4.2	FIJI ISLANDS REGION.
30	12 40 01.0	49.8 N	129.7 W	33	5.3	VANCOUVER ISLAND REGION. MAG. 5 1/2-5 3/4 (PAS), 6 (BRK), 6 1/4 (PAL).
30	13 09 20*	19.5 S	175.6 W	205	4.4	TONGA ISLANDS.
30	13 13 45.7	4.7 S	153.0 E	78	4.6	NEW IRELAND REGION. FELT AT LONDOLOVIT.
30	17 31 29.4	24.1 N	122.7 E	38	4.6	TAIWAN REGION.
30	18 46 19.0	39.8 N	143.2 E	15	5.1	OFF EAST COAST OF HONSHU, JAPAN.
30	20 40 44.1	32.5 S	178.0 W	16	4.8	SOUTH OF KERMADEC ISLANDS.
30	23 09 38*	17.3 S	167.9 E	32		NEW HEBRIDES ISLANDS.
31	00 55 50.1	5.4 N	76.2 W	98	4.5	COLOMBIA.
31	00 56 39*	29.9 N	111.8 W	33	4.3	NORTHWESTERN MEXICO.
31	01 25 40.1	36.7 N	71.3 E	188		AFGHANISTAN-USSR BORDER REGION.
31	05 05 54.7	17.3 S	167.8 E	34	5.2	NEW HEBRIDES ISLANDS. FELT AT PORT VILA.
31	05 55 06*	37.9 N	114.7 E	33	4.7	NORTHEASTERN CHINA.
31	11 49 09.8	34.1 N	117.3 W	14		SOUTHERN CALIFORNIA. MAG. 3.0 (PAS). FELT AT SAN BERNARDINO.
31	14 33 24.8	33.1 S	178.4 W	33	4.9	SOUTH OF KERMADEC ISLANDS.
31	16 18 18*	51.9 N	170.1 W	33	3.9	FOX ISLANDS, ALEUTIAN ISLANDS.
31	16 57 26*	20.6 S	178.9 W	620	4.0	FIJI ISLANDS REGION.
31	18 53 43*	11.7 N	143.4 E	33	4.5	SOUTH OF MARIANA ISLANDS.
31	20 13 35.6	21.7 S	179.1 W	580	4.2	FIJI ISLANDS REGION.
31	22 34 04.4	53.7 S	3.0 W	33	4.9	SOUTH ATLANTIC RIDGE.
31	22 40 38*	7.6 S	119.5 E	340	4.7	FLORES SEA.
31	23 38 01.2	36.4 N	70.8 E	207	5.4	HINDU KUSH REGION.

Date and Station	Phase (GCT)
	h m s
MAR 1	
BMO E(P)	00 22 15.7
MAR 1	
EUR E(P)	00 40 07.5
I	40 17.3
EL	40 57.5
MAR 1	
BMO E(P)	00 42 20.4
MAR 1	
BMO E(P)	00 47 33.1
MAR 1	
NEW IP	00 49 49.4
IS	50 10.0
MAR 1	
BMO E(P)	00 53 51.4
MAR 1	
GUA EP	01 01 04.0
ES	04 54.0
MAR 1	
BMO E(P)	00 54 11.1
MAR 1	
H-00 57 45.1	
3.0S 147.7E	
h ABOUT 21KM	
NEW EP	01 11 11.0
BMO EP	01 11 12.4
EUR EP	01 11 19.0
MAR 1	
BMO E(P)	01 17 55.2
MAR 1	
EUR IP	02 40 17.2
BMO E(P)	02 40 53.4
MAR 1	
BMO E(P)	02 53 37.1
MAR 1	
BMO E(P)	03 16 24.8
MAR 1	
BMO E(P)	03 20 32.6
MAR 1	
BMO E(P)	03 22 54.9
MAR 1	
COL EP	03 23 28.0
MAR 1	
ALQ EP	03 41 23.3
BMO E(P)	03 42 17.2
EUR E(P)	03 42 37.5
MAR 1	
BMO E(P)	03 43 22.2
MAR 1	
BMO E(P)	04 08 53.9

Date and Station	Phase (GCT)
	h m s
MAR 1	
BMO E(P)	04 20 10.5
MAR 1	
H-04 24 05.6	
21.5S 071.0W	
h ABOUT 33KM	
ALQ EP	04 34 48.0
BMO EP	04 36 03.9
MAR 1	
H-04 59 49.6	
36.7N 069.0E	
h ABOUT 40KM	
COL EP	05 11 26.0
MAR 1	
COL EP	05 15 52.0
MAR 1	
BMO E(P)	05 19 07.1
MAR 1	
KIP IP	06 00 56.4
MAR 1	
EUR E(P)	06 07 43.0
MAR 1	
COL EP	06 22 42.0
MAR 1	
BMO E(P)	07 10 19.3
MAR 1	
H-07 17 31.7	
51.5N 173.8E	
h ABOUT 33KM	
COL EP	07 22 42.0
BRW E(P)	07 22 43.0
BMO EP	07 25 43.4
EUR IP	07 26 15.8
MAR 1	
BRW E	07 33 22.8
COL IP	07 34 00.1
BMO EP	07 36 32.5
EUR EP	07 40 09.8
I	40 28.2
MAR 1	
EUR EP	07 47 32.5
MAR 1	
H-08 48 52.7	
56.2S 029.3W	
h ABOUT 33KM	
TUC EP'	09 07 42.6
ALQ EP'	09 07 52.0
BMO EP'	09 07 43.7

Date and Station	Phase (GCT)
	h m s
COL EP'	09 08 26.0
MAR 1	
ALQ IP	09 44 18.0
MAR 1	
EUR IP	10 18 23.0
MAR 1	
NEW IP	10 22 27.6
IS	22 31.0
MAR 1	
ALQ EP	11 07 14.0
MAR 1	
H-12 21 51.7	
23.4S 068.1W	
h ABOUT 120KM	
SJG EP	12 29 23.8
ALQ IP	12 32 43.0
I▸P	33 13.8
TUC EP	12 32 44.8
E▸P	33 14.8
RCD EP	12 33 18.0
E▸P	33 49.0
FGU EP	12 33 20.0
EUR IP	12 33 32.8
BMO EP	12 33 56.7
HHM IP D	12 34 03.4
NEW EP	12 34 07.0
MAR 1	
H-12 47 28.2	
33.6S 179.3W	
h ABOUT 38KM	
EUR E(P)	13 00 40.0
MAR 1	
H-15 45 23.5	
25.3S 178.5E	
h ABOUT 547KM	
TUC E(P)	15 57 19.5
EUR IP	15 57 20.2
BMO EP	15 57 29.8
COL E(P)	15 57 39.8
MAR 1	
GCA E(P)	15 54 27.7
E	54 36.7
IL	55 08.2
MAR 1	
BMO E(P)	17 26 14.4
MAR 1	
EUR IP	18 14 04.8
MAR 1	
BMO EP	18 26 54.1

Date and Station	Phase (GCT)
	h m s
MAR 1	
EUR IP	19 00 29.0
MAR 1	
BMO EP	19 04 38.4
MAR 1	
EUR IP	19 28 36.5
MAR 1	
TUC E(P)	19 51 09.8
MAR 1	
BMO EP	19 54 08.0
MAR 1	
COL EP	20 17 12.0
MAR 1	
COL EP	20 38 12.7
BRW EP	20 38 35.5
EUR E(P)	20 43 44.8
MAR 1	
ALQ IP	20 46 26.5
I	46 52.0
MAR 1	
BMO E(P)	21 15 53.8
MAR 1	
BMO EP	21 26 18.0
MAR 1	
EUR E(P)	21 37 52.0
MAR 1	
EUR EP	21 43 56.9
TUC EP	21 43 57.5
BMO EP	21 44 07.0
COL IP	21 44 18.0
MAR 1	
RCD IP D	21 50 33.0
E	50 52.0
MAR 1	
EUR IP	22 10 14.6
MAR 1	
COL EP	22 33 38.0
MAR 1	
ALQ IP	22 34 55.0
MAR 1	
ALQ IP	22 53 39.5
I	54 06.5
MAR 1	
H-23 08 40.1	
56.9S 026.8W	
h ABOUT 37KM	
TUC EP'	23 27 13.0
ALQ EP'	23 27 13.0
EUR IP'	23 27 29.0

Date and Station	Phase	Phase (GCT) h m s
SLD	EP'	23 27 31.4
BMO	IP'	23 27 37.5
HHM	IP'C	23 27 39.7
COL	EP'	23 28 17.7
	I	28 26.4
	IP'	28 35.3
BRW	EP'	23 28 23.7
	I	28 35.2
	IP'	28 52.5
MAR 1		
BHP	IP	23 18 59.0
MAR 1		
BMO	EP	23 37 04.1
MAR 2		
BMO	EP	00 27 03.4
MAR 2		
BMO	EP	00 28 00.1
COL	IP	00 29 34.0
BRW	EP	00 30 59.2
MAR 2		
NEW	EP	00 32 30.0
BMO	EP	00 32 49.3
MAR 2		
COL	EP	00 43 32.2
MAR 2		
EUR	E(P)	01 01 05.7
MAR 2		
BMO	E(P)	01 09 31.5
MAR 2		
BMO	E(P)	01 10 10.5
MAR 2		
CED	IP	01 48 55.9
	IS	49 13.2
MAR 2		
BMO	EP	01 58 39.2
MAR 2		
H-02 37 04.6		
43.0N 045.7E		
h ABOUT 44KM		
BRW	EP	02 47 41.2
COL	IP	02 48 24.6
HHM	IP D	02 49 48.6
NEW	IP	02 49 51.7
RCD	E(P)	02 49 54.0
BMO	EP	02 50 06.6
FGU	EP	02 50 20.0
EUR	IP	02 50 31.1
MAR 2		
H-03 05 20.7		
19.2S 169.3E		
h ABOUT 146KM		
EUR	E(P)	03 18 08.5
BMO	E(P)	03 18 13.8
MAR 2		
COL	EP	03 05 49.7
BMO	E(P)	03 06 46.5
NEW	EP	03 08 22.0
MAR 2		
COL	EP	03 09 27.3
MAR 2		
BMO	E(P)	03 17 04.5
MAR 2		
BMO	E(P)	03 34 34.1
NEW	E(P)	03 35 35.0
	E	36 22.0
MAR 2		
H-04 02 45.7		
36.2N 070.5E		
h ABOUT 147KM		
COL	EP	04 14 11.0
MAR 2		
NEW	EP	04 15 30.0
MAR 2		
COL	EP	05 00 09.0
MAR 2		
COL	EP	05 09 28.0
MAR 2		
H-05 56 27.6		
18.2S 067.0W		
h ABOUT 273KM		
ALQ	IP	06 06 38.8
TUC	E(P)	06 06 43.7
EUR	EP	06 07 32.5
BOZ	EP	06 07 43.0
BMO	EP	06 07 56.5
NEW	EP	06 08 07.0
MAR 2		
H-05 59 52.2		
86.0N 028.1E		
h ABOUT 33KM		
BRW	E(P)	06 04 54.7
	E	05 01.6
COL	E(P)	06 05 55.0
BOZ	E(P)	06 08 22.0
EUR	E(P)	06 09 18.9
ALQ	IP	06 09 45.0
MAR 2		
BMO	EP	06 14 49.4
MAR 2		
BMO	E(P)	06 25 40.4
MAR 2		
ALQ	E(P)	06 28 50.0
MAR 2		
COL	EP	06 33 30.0
MAR 2		
BMO	E(P)	06 59 18.2
MAR 2		
H-07 24 55.1		
02.9S 129.9E		
h ABOUT 34KM		
GUA	EP	07 29 50.0
	ES	34 00.0
KIP	EP	07 36 34.4
BRW	E(P)	07 37 40.8
COL	EP	07 37 49.0
BMO	E(P)	07 39 15.9
MAR 2		
H-07 29 18.0		
05.2S 151.6E		
h ABOUT 72KM		
GUA	IP	07 33 46.0
COL	EP	07 41 34.5
BMO	E(P)	07 42 30.6
EUR	EP	07 42 35.0
	E	43 28.3
MAR 2		
BMO	E(P)	07 38 23.4
MAR 2		
SJG	E(P)	07 45 23.5
MAR 2		
BMO	E(P)	07 54 34.0
MAR 2		
BMO	E(P)	08 02 56.1
MAR 2		
KIP	E	09 20 53.0
MAR 2		
EUR	E(P)	11 45 16.1
BMO	E(P)	11 45 32.0
MAR 2		
H-11 51 19.0		
52.6N 172.5E		
h ABOUT 20KM		
BRW	IP C	11 56 25.1
	I	56 33.4
COL	IP	11 56 30.1
KIP	IP	11 58 42.8
NEW	IP	11 59 21.4
HHM	EP C	11 59 35.6
BMO	EP	11 59 36.8
EUR	IP	12 00 09.2
RCD	IP	12 00 41.0
	E	00 51.5
TUC	EP	12 01 07.8
ALQ	IP	12 01 12.5
MAR 2		
EUR	IP	11 55 17.0
MAR 2		
BOZ	EP	12 33 45.3
MAR 2		
BMO	E(P)	12 46 35.5
MAR 2		
ALQ	E(P)	12 58 41.5
MAR 2		
H-13 04 19.1		
46.9N 144.5E		
h ABOUT 401KM		
COL	IP	13 11 14.6
NEW	IP	13 13 57.3
HHM	EP C	13 14 09.1
BMO	EP	13 14 11.7
EUR	IP	13 14 39.9
MAR 2		
BMO	E(P)	13 39 03.2
MAR 2		
H-14 09 02.0		
24.5N 122.6E		
h ABOUT 102KM		
NEW	IP	14 21 51.8
	E	22 11.0
BMO	EP	14 22 01.1
HHM	E(P)	14 22 02.4
MAR 2		
BMO	E(P)	14 45 28.0
MAR 2		
BMO	E(P)	15 06 26.9
MAR 2		
H-15 15 03.0		
43.0N 045.6E		
h ABOUT 55KM		
COL	E(P)	15 26 30.5

Date and Station	Phase (GCT)
	h m s
MAR 2	
TUC E(P)	15 16 27.8
MAR 2	
EUR IP	17 17 51.4
MAR 2	
H-17 32 38.8	
5.3S 134.0E	
h ABOUT 18KM	
GUA EP	17 37 32.0
COL EP	17 45 37.0
MAR 2	
BMO EP	17 40 20.3
MAR 2	
BMO EP	17 52 41.4
MAR 2	
EUR IP	18 50 33.0
MAR 2	
BMO E(P)	18 54 54.5
MAR 2	
BMO EP	18 59 56.0
EUR EP	19 01 04.9
E	01 35.6
MAR 2	
BMO EP	19 01 33.8
MAR 2	
ALQ IP	19 57 50.0
I	58 24.4
MAR 2	
H-20 13 33.4	
5.5S 151.7E	
h ABOUT 48KM	
GUA IP	20 18 07.0
COL EP	20 25 52.0
BMO EP	20 26 50.4
NEW IP	20 26 51.3
EUR IP	20 26 54.5
HHM EP	20 27 02.6
MAR 2	
BMO EP	20 24 33.4
MAR 2	
NEW EP	20 51 57.0
I	52 04.0
IS	52 43.0
BUT E(P)	20 52 05.8
I	52 10.3
BMO EPN	20 52 20.8
HHM E(P)	20 52 28.6
EL	52 55.0

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	20 53 05.5
E(L)	55 00.0
MAR 2	
ALQ IP	20 58 12.5
I	58 34.5
MAR 2	
BMO EP	21 18 25.6
MAR 2	
ALQ IP	21 22 16.5
MAR 2	
BMO EP	21 27 03.8
MAR 2	
BOZ E(P)	21 33 08.5
E	34 36.5
MAR 2	
ALQ IP	21 49 46.5
I	50 18.5
GCA I(P)	21 49 50.2
EL	50 24.2
MAR 2	
HHM E(P)	21 52 31.0
MAR 2	
NEW IP	22 11 23.3
IS	11 44.0
BMO EP	22 11 28.7
MAR 2	
BMO EP	22 14 03.0
MAR 2	
COL EP	22 34 17.0
MAR 2	
COL EP	23 06 08.0
MAR 2	
BMO EP	23 11 41.5
MAR 2	
BMO EP	23 26 17.6
MAR 2	
COL EP	23 35 25.0
MAR 2	
BMO E(P)	23 40 17.9
E(S)	40 41.1
MAR 3	
COL EP	00 08 54.0
MAR 3	
NEW IP	00 48 17.0
IS	48 38.0
BMO EP	00 48 20.9
ES	48 44.7
MAR 3	
BMC E(P)	01 00 34.1
MAR 3	
BMO E(P)	01 36 02.6

Date and Station	Phase (GCT)
	h m s
MAR 3	
BMO E(P)	01 42 02.4
MAR 3	
BMO EP	01 49 59.6
MAR 3	
BMO E(P)	02 16 06.5
MAR 3	
EUR IP	02 53 28.8
BMO E(P)	02 54 24.5
MAR 3	
H-03 25 28.2	
48.3N 154.4E	
h ABOUT 44KM	
BRW IP C	03 31 53.8
I	32 10.5
E(S)	37 23.7
COL IP	03 32 13.2
IS	37 38.0
SIT E(P)	03 33 15.8
E	33 28.0
KIP IS	03 40 21.7
HON IS	03 40 42.8
EL	44 15.2
EL	46 30.8
NEW IP	03 35 01.0
I	35 13.0
HHM IP C	03 35 13.1
I▸P	35 24.2
IPP	37 20.7
BMO EP	03 35 15.4
BUT IP	03 35 27.9
I▸P	35 39.3
SLD EP	03 35 32.0
I▸P	35 46.0
IPCP	36 17.0
BOZ IP	03 35 34.2
I▸P	35 46.5
EUR IP C	03 35 44.1
I(▸P)	35 55.3
E(PP)	38 08.0
E	40 24.0
SLC IP	03 35 54.7
I▸P	36 06.8
FGU EP	03 36 02.2
I▸P	36 15.3
E	36 27.0
BCN EP	03 36 03.5
I▸P	36 16.5
IPCP	36 34.0
RCD EP	03 36 10.0
E	36 19.0

Date and Station	Phase (GCT)
	h m s
GCA EP	03 36 11.2
I▸P	36 24.0
TUC IP C	03 36 34.5
I▸P	36 47.5
ALQ IP	03 36 36.8
I	36 39.0
I	36 52.0
WSC IP	03 37 42.4
E	37 54.8
SJG EPP	03 43 51.0
E	58 36.0
MAR 3	
ALQ EP	04 04 33.0
BMO E(P)	04 04 36.3
MAR 3	
NEW EP	04 07 22.0
ES	07 52.0
BMO EP	04 07 28.6
MAR 3	
BMO E(P)	04 12 26.7
MAR 3	
BMO E(P)	04 47 50.8
MAR 3	
COL EP	06 26 47.2
MAR 3	
SJG E(P)	08 28 42.0
E	33 12.0
ALQ EP	08 33 50.5
EUR E(P)	08 34 16.5
NEW EP	08 34 43.0
BMO E(P)	08 34 46.0
BRW EP D	08 38 19.5
E	38 26.3
COL EP	08 38 40.0
MAR 3	
COL EP	08 45 09.0
BMO EP	08 47 24.7
HHM EP	08 47 26.3
EUR EP	08 47 43.2
MAR 3	
BMO EP	08 56 58.7
MAR 3	
H-10 12 23.7	
20.2N 045.7W	
h ABOUT 33KM	
SJG E(P)	10 16 50.0
ALQ IP	10 21 55.5

Date and Station	Phase (GCT)
	h m s
BCN EP	10 22 42.5
EUR IP	10 22 46.5
NEW IP	10 22 48.7
BMO EP	10 22 50.7
COL IP	10 24 14.2
BRW E(P)	10 24 18.5
MAR 3	
NEW EP	10 14 40.0
MAR 3	
H-10 17 51.0	
20.2N 045.7W	
h ABOUT 33KM	
SJG E(P)	10 22 13.0
ES	26 06.0
ALQ IP	10 27 23.2
TUC E(P)	10 27 48.1
BOZ EP	10 27 49.5
HHM E(P)	10 28 03.7
BCN EP	10 28 11.8
EUR EP	10 28 14.0
E	29 21.0
NEW EP	10 28 16.0
BMO EP	10 28 16.6
COL IP	10 29 41.4
BRW EP	10 29 47.9
E	30 18.4
MAR 3	
NEW EP	10 46 20.0
MAR 3	
BMO E(P)	12 26 08.3
MAR 3	
BMO E(P)	12 42 55.6
MAR 3	
BMO E(P)	13 27 55.2
MAR 3	
BOZ IP	13 48 47.1
IL	48 55.5
BUT EP	13 48 58.2
IL	48 14.2
BMO EP	13 49 36.8
E(S)	50 37.9
MAR 3	
BRW EP	14 16 48.4
COL IP	14 17 07.6
BMO EP	14 20 09.8

Date and Station	Phase (GCT)
	h m s
EUR EP	14 20 38.2
MAR 3	
NEW EP	14 55 17.0
MAR 3	
BMO E(P)	15 02 26.1
MAR 3	
BRW EP	15 36 00.2
COL EP	15 36 36.0
MAR 3	
BMO E(P)	17 12 04.1
MAR 3	
SJG IP C	17 23 48.6
MAR 3	
H-17 37 03.7	
61.4N 150.6W	
h ABOUT 53KM	
COL IP	17 38 00.3
BRW EP	17 39 30.3
NEW EP	17 42 05.0
HHM EP	17 42 17.7
BMO EP	17 42 28.6
EUR IP	17 43 15.0
MAR 3	
ALQ IP	19 19 56.0
MAR 3	
EUR E(P)	20 02 22.8
MAR 3	
NEW EP	20 06 03.0
ES	06 21.0
MAR 3	
COL IP	20 41 23.1
MAR 3	
H-21 29 35.9	
20.5S 178.7W	
h ABOUT 608KM	
EUR EP	21 41 02.8
BMO EP	21 41 13.0
COL IP	21 41 23.0
MAR 3	
ALQ E(P)	21 55 43.0
MAR 3	
EUR IP	22 03 58.2
MAR 3	
COL IP	22 40 17.3
MAR 3	
NEW IP	22 43 51.0
IS	44 00.5

Date and Station	Phase (GCT)
	h m s
MAR 3	
COL EP	22 54 54.0
MAR 3	
COL EP	23 32 40.0
BMO EP	23 33 58.2
MAR 3	
COL EP	23 50 43.0
MAR 4	
H-01 41 46.3	
18.0S 178.3W	
h ABOUT 534KM	
EUR IP	01 53 08.7
TUC E(P)	01 53 11.0
BMO EP	01 53 18.5
COL EP	01 53 27.0
MAR 4	
SJG IP	02 12 17.3
IS	12 26.5
MAR 4	
BMO E(P)	02 55 35.3
MAR 4	
H-03 47 44.4	
25.3S 178.9W	
h ABOUT 370KM	
TUC EP	03 59 49.0
EUR EP	03 59 50.8
ALQ IP	04 00 09.0
BOZ EP	04 00 19.5
MAR 4	
COL EP	04 01 45.0
MAR 4	
H-04 10 08.5	
05.4S 151.7E	
h ABOUT 55KM	
COL EP	04 22 26.0
BMO EP	04 23 24.4
NEW EP	04 23 25.0
EUR E(P)	04 23 28.7
MAR 4	
BMO E(P)	04 11 13.7
MAR 4	
SJG EP	04 22 07.5
IL	22 41.5
MAR 4	
H-04 53 30.7	
36.2N 007.5W	
h ABOUT 17KM	
BMO EP	05 05 26.7

Date and Station	Phase (GCT)
	h m s
MAR 4	
ALQ IP	04 54 09.2
MAR 4	
H-05 18 53.6	
01.9S 139.0E	
h ABOUT 33KM	
SJG EP'	05 38 46.0
MAR 4	
H-05 34 15.1	
61.0S 023.3W	
h ABOUT 111KM	
BMO EP'	05 53 12.1
COL EP'	05 54 20.0
MAR 4	
H-06 01 01.0	
30.1N 070.0E	
h ABOUT 3KM	
COL EP	06 13 17.0
MAR 4	
BOZ IP	06 58 43.0
IL	58 57.5
HHM IP D	06 59 03.3
IL	59 31.3
BMO EP	06 59 37.8
ES	07 00 32.6
MAR 4	
H-07 46 59.8	
43.0N 045.7E	
h ABOUT 39KM	
COL E(P)	07 58 20.9
MAR 4	
H-08 04 59.2	
28.3S 178.0W	
h ABOUT 121KM	
TUC EP	08 17 36.2
BMO E(P)	08 17 52.7
MAR 4	
TUC (P)	09 59 47.0
EUR IP	10 00 06.3
MAR 4	
BMO EP	10 13 05.9
MAR 4	
COL EP	10 19 56.0
MAR 4	
H-10 25 04.3	
01.3S 080.1W	
h ABOUT 33KM	
ALQ IP	10 33 07.0
BMO E(P)	10 34 47.5

Date and Station	Phase (GCT)
	h m s
MAR 4	
H-10 52 35.4	
32.6N 115.4W	
h ABOUT 22KM	
BCN E(P)	10 53 32.0
E	53 40.0
EL	54 28.0
TUC EP	10 53 36.0
EL	54 46.0
GCA E(P)	10 54 07.3
EL	55 24.0
EUR EP	10 54 20.2
ALQ E(P)	10 54 39.0
EL	57 03.8
MAR 4	
BMO E(P)	10 56 56.8
MAR 4	
NEW EP	11 02 25.0
IS	02 43.0
HHM EP C	11 02 32.8
E	02 50.8
BMO EP	11 02 54.7
MAR 4	
BMO EP	11 27 41.7
MAR 4	
H-11 35 03.2	
51.5N 178.6W	
h ABOUT 49KM	
COL EP	11 39 42.0
NEW IP	11 42 23.7
BMO EP	11 42 37.6
BOZ EP	11 43 02.0
EUR IP	11 43 09.3
TUC E(P)	11 44 10.0
MAR 4	
EUR IP	11 53 33.5
MAR 4	
BMO E(P)	12 34 36.7
MAR 4	
H-12 40 01.7	
32.6N 115.4W	
h ABOUT 11KM	
BCN E(P)	12 40 59.3
I	41 06.8
IL	41 57.0
TUC EP	12 41 03.0
EL	42 09.0
GCA E(P)	12 41 22.8
IL	42 51.0
EUR EP	12 41 47.5

Date and Station	Phase (GCT)
	h m s
ALQ EP	12 42 03.2
IS	44 20.2
FGU E(P)	12 43 08.2
EL	45 09.0
MAR 4	
COL EP	12 50 21.3
MAR 4	
BMO E(P)	13 15 28.6
MAR 4	
BMO E(P)	13 44 42.0
MAR 4	
COL EP	14 11 37.0
MAR 4	
H-14 19 26.8	
57.0N 153.4W	
h ABOUT 6KM	
COL EP	14 21 30.0
NEW EP	14 24 39.0
E	24 45.0
HHM E(P)	14 24 51.8
BMO EP	14 24 57.1
ALQ I(P)	14 26 50.2
MAR 4	
BMO E(P)	14 22 31.7
MAR 4	
TUC (P)	14 25 41.8
GCA E(P)	14 26 14.0
IL	27 32.0
MAR 4	
BMO EP	14 28 25.3
HHM E(P)	14 28 26.4
MAR 4	
BCN E(P)	14 30 39.0
I	30 49.0
IL	31 35.6
MAR 4	
BMO E(P)	14 43 38.0
ALQ IP	14 45 52.0
MAR 4	
SJG IP	14 49 47.5
IS	50 03.0
MAR 4	
NEW EP	14 52 45.0
ES	53 04.0
MAR 4	
HHM IP C	15 10 53.8
IS	11 02.8
NEW EP	15 11 17.0
IS	11 47.0

Date and Station	Phase (GCT)
	h m s
MAR 4	
BMO E(P)	17 06 15.6
MAR 4	
ALQ IP	17 12 56.0
MAR 4	
H-17 29 26.0	
24.2S 177.3W	
h ABOUT 27KM	
TUC EP	17 42 06.2
BMO EP	17 42 13.4
ALQ EP	17 42 21.0
COL EP	17 42 30.0
BOZ EP	17 42 31.2
MAR 4	
ALQ EP	20 57 04.0
MAR 4	
COL EP	21 30 51.0
MAR 4	
BMO E(P)	21 40 28.6
MAR 4	
H-22 20 12.5	
06.3S 128.6E	
h ABOUT 295KM	
ALQ IP'	22 38 34.4
MAR 4	
BMO E(P)	22 20 26.1
MAR 4	
BMO E(P)	22 23 34.4
MAR 4	
ALQ IP	22 27 45.5
MAR 4	
FGU IP D	23 46 44.8
IS	46 49.9
MAR 4	
BMO E(P)	23 47 15.2
MAR 4	
COL IP	23 57 03.0
MAR 4	
H-23 58 56.0	
38.4S 177.9E	
h ABOUT 18KM	
KIP EP	24 09 25.0
I	09 38.4
BCN E(P)	24 12 30.5
EPP	16 42.0
BMO E(P)	24 12 56.0
EPP	16 59.3
EPKKP	28 55.6
ALQ I(P)	24 13 11.8
IPP	17 08.5

Date and Station	Phase (GCT)
	h m s
COL EP'	24 17 17.0
WSC EP'	24 17 47.9
E	19 42.8
MAR 5	
BMO E(P)	00 19 05.5
MAR 5	
BMO E(P)	00 26 39.0
COL EP	00 27 30.0
MAR 5	
BHP EP	00 33 16.0
ES	50 27.0
MAR 5	
BMO EP	00 34 10.7
MAR 5	
BMO E(P)	00 51 43.0
MAR 5	
KIP EP	01 38 05.6
MAR 5	
BMO EP	01 46 16.3
MAR 5	
BMO E(P)	02 16 39.7
MAR 5	
H-02 29 16.1	
09.9N 069.3W	
h ABOUT 7KM	
SJG IP	02 31 23.0
IS	32 52.0
ALQ EP	02 37 11.0
TUC EP	02 37 29.0
BCN EP	02 38 04.5
BMO EP	02 38 41.0
NEW EP	02 38 54.0
MAR 5	
HON EP	02 43 05.6
IS	49 26.0
MAR 5	
BMO EP	02 42 51.6
MAR 5	
H-02 44 21.5	
06.2N 123.7E	
h ABOUT 55KM	
COL EP	02 56 46.0
MAR 5	
BMO E(P)	02 55 49.0
MAR 5	
BMO EP	03 00 31.9
MAR 5	
BMO E(P)	03 12 25.7

Date and Station	Phase	Phase (GCT) h m s
MAR 5		
BMO	E(P)	03 20 41.4
MAR 5		
SJG	EP	03 28 21.0
	IL	28 56.0
MAR 5		
BMO	E(P)	03 30 53.8
MAR 5		
BMO	E(P)	03 57 13.4
MAR 5		
BMO	EP	04 06 32.5
MAR 5		
H-04 48 42.9		
42.8N 143.2E		
h ABOUT 103KM		
BRW	IP D	04 56 12.6
COL	IP C	04 56 38.6
	I▸P	57 04.5
NEW	IP	04 59 14.1
HHM	EP	04 59 24.8
BMO	EP	04 59 27.2
BOZ	IP	04 59 43.5
CED	EP	05 00 07.9
TUC	EP	05 00 39.0
ALQ	IP	05 00 43.0
MAR 5		
BMO	E(P)	05 06 02.5
MAR 5		
BMO	EP	05 18 57.3
MAR 5		
COL	EP	05 46 04.0
MAR 5		
NEW	EP	06 38 17.0
MAR 5		
BMO	E(P)	07 03 35.4
COL	EP	07 03 36.2
MAR 5		
BMO	E(P)	08 00 55.2
MAR 5		
H-09 58 31.3		
15.8S 177.0W		
h ABOUT 403KM		
COL	IP	10 10 15.7
MAR 5		
BMO	EP	10 00 17.2
MAR 5		
BMO	EP	11 03 13.6
MAR 5		
BMO	EP	13 47 55.8
MAR 5		
BMO	EP	13 57 31.0
MAR 5		
BMO	E(P)	14 15 26.1
MAR 5		
H-14 33 23.0		
08.3N 074.7W		
h ABOUT 43KM		
BHP	IP	14 34 34.0
	IS	35 29.0
SJG	IP	14 36 25.5
	IS	38 43.0
ALQ	IP	14 40 51.2
TUC	EP	14 41 04.3
EUR	E(P)	14 42 01.8
BOZ	EP	14 42 07.0
NEW	EP	14 42 40.0
MAR 5		
COL	EP	14 40 10.0
MAR 5		
BMO	EP	14 58 41.7
MAR 5		
H-15 45 04.9		
17.6S 176.2E		
h ABOUT 31KM		
BCN	EP	15 57 34.5
EUR	EP	15 57 39.8
TUC	EP	15 57 43.2
COL	EP	15 57 44.0
BMO	EP	15 57 46.8
GCA	EP	15 57 49.5
SLC	EP	15 57 55.7
	E	58 23.9
FGU	EP	15 58 03.2
ALQ	IP	15 58 03.8
BOZ	EP	15 58 06.0
MAR 5		
COL	EP	16 24 22.0
MAR 5		
BMO	EP	16 48 26.7
MAR 5		
BMO	E(P)	17 43 03.4
MAR 5		
BMO	E(P)	17 55 31.1
ALQ	IP	17 56 07.0
MAR 5		
BMO	E(P)	18 07 33.8
MAR 5		
H-18 15 00.0		
37.2N 116.2W		
h ABOUT 0KM		
BCN	IP C	18 15 30.0
	IL	15 53.4
EUR	IP	18 15 39.6
SLC	E(P)	18 15 42.0
	E	16 19.0
	E	16 39.3
CED	EP	18 15 50.1
	I	15 57.5
	IL	16 38.9
GCA	I(P)	18 15 59.8
	I	16 09.7
	IL	16 56.7
SLD	EP	18 16 09.0
	I	16 13.6
	IL	17 06.0
TUC	E(P)	18 16 38.8
	EL	18 34.0
FGU	EP	18 16 40.6
	EL	18 23.0
BMO	EP	18 16 57.1
ALQ	IP	18 17 03.0
MAR 5		
H-18 39 32.0		
32.0S 069.7W		
h ABOUT 110KM		
ALQ	IP	18 51 03.5
HHM	E(P)	18 52 20.0
	E	52 35.4
MAR 5		
BMO	EP	18 52 38.9
MAR 5		
COL	EP	19 01 55.0
MAR 5		
BMO	EP	19 13 31.1
	E(S)	14 17.4
MAR 5		
ALQ	IP	19 57 41.6
	I	58 17.0
MAR 5		
NEW	IP	20 07 45.9
	IS	08 07.0
BMO	EP	20 07 49.6
	ES	08 13.2
MAR 5		
BMO	EP	20 40 28.8
MAR 5		
BMO	E(P)	20 44 51.3
MAR 5		
H-20 54 45.8		
00.1S 017.9W		
h ABOUT 33KM		
SJG	E(P)	21 03 43.0
ALQ	I(P)	21 07 48.0
FGU	EP	21 07 49.0
BMO	EP	21 08 14.8
MAR 5		
NEW	EP	21 11 54.0
MAR 5		
BMO	EP	21 34 19.0
MAR 5		
COL	EP	21 49 17.0
MAR 5		
BMO	EP	21 51 51.6
MAR 5		
COL	I	21 51 39.6
MAR 5		
BMO	EP	22 18 54.4
MAR 5		
TUC	IP	22 27 55.7
	EL	28 15.5
ALQ	IP	22 28 19.0
	I	28 27.0
GCA	E(P)	22 28 50.5
BCN	E(P)	22 29 08.5
EUR	E(P)	22 30 08.8
MAR 5		
BMO	E(P)	22 35 47.5
MAR 5		
H-22 49 35.9		
21.9S 174.9W		
h ABOUT 46KM		
SLD	EP	23 01 28.0
	E	01 38.0
BCN	EP	23 01 48.0
TUC	E(P)	23 01 51.2
EUR	EP	23 01 52.4
	I▸P	02 06.4
GCA	EP	23 02 01.8
BMO	EP	23 02 05.8
ALQ	IP	23 02 13.5
	I▸P	02 26.5
NEW	EP	23 02 16.0

Date and Station	Phase (GCT)
	h m s
FGU EP	23 02 18.5
SLC E(P)	23 02 22.2
COL EP C	23 02 25.7
IPP	02 40.6
MAR 5	
KIP IP	23 08 01.3
MAR 5	
BMO E(P)	23 20 17.8
MAR 5	
BMO E(P)	23 21 52.6
MAR 5	
BMO EP	23 40 05.1
MAR 5	
COL EP	23 58 56.0
BMO E(P)	24 01 46.3
MAR 6	
BMO EP	00 07 59.1
MAR 6	
H-00 09 33.4	
9.5N 126.3E	
h ABOUT 95KM	
COL E(P)	00 21 31.5
MAR 6	
BRW EP	00 21 45.1
COL IP	00 22 26.1
NEW EP	00 24 46.0
HHM EP	00 24 53.0
BMO EP	00 25 00.2
EUR E(P)	00 25 21.5
FGU EP	00 25 31.8
MAR 6	
COL EP	00 27 06.0
MAR 6	
BMO EP	00 33 36.4
E(S)	34 21.7
MAR 6	
BMO EP	00 39 16.5
MAR 6	
SLD IP	00 40 31.6
IL	41 01.0
MAR 6	
BMO E(P)	00 54 50.6
MAR 6	
BCN EP	01 25 58.0
IL	26 23.0
EUR IP	01 26 02.6

Date and Station	Phase (GCT)
	h m s
SLD E(P)	01 26 25.4
I	26 35.0
IL	27 30.0
BMO E(P)	01 27 31.0
MAR 6	
H-02 10 53.6	
31.6N 080.6E	
h ABOUT 12KM	
BRW EP D	02 22 05.6
COL IP D	02 22 46.7
I	22 51.0
EPP	25 41.5
NEW EP	02 24 36.0
HHM E(PP)	02 28 24.0
BOZ EPP	02 28 31.0
BUT E(PP)	02 28 31.8
BMO E(P)	02 24 51.3
EUR E(P')	02 29 14.0
EPP	29 44.2
FGU EPP	02 29 44.8
E	30 15.5
MAR 6	
H-02 15 57.2	
31.5N 080.5E	
h ABOUT 50KM	
GUA E(P)	02 26 04.0
ES	34 18.0
BRW IP D	02 27 04.4
EPP	29 37.5
COL IP D	02 27 44.5
I	27 51.2
EPP	30 43.3
ES	37 38.0
EP'P'	55 03.0
SIT IP	02 28 42.0
NEW EP	02 29 34.0
EPP	33 39.0
EPKKP	46 04.0
HHM EP C	02 29 37.7
E	32 29.5
EPP	33 38.0
SLD E(P)	02 30 26.0
EP'	34 20.0
EPP	34 52.0
EPKKP	45 25.0
BCN E(P)	02 30 34.5
EP'	34 33.0
EPP	35 14.0
EPKKP	45 27.0
ESKKP	48 58.0

Date and Station	Phase (GCT)
	h m s
SLC EP'	02 34 10.2
E	34 17.0
EPP	34 29.5
BMO EPKKP	02 45 53.1
FGU EPP	02 34 28.0
EUR EPKKP	02 45 12.1
ALQ IP'	02 34 32.5
EPKKP	45 16.0
GCA EP'	02 34 34.2
TUC EP'	02 34 36.0
EPKKP	45 08.0
BHP EP	02 34 14.0
SJG EPP	02 36 17.0
E	36 55.0
ESP	46 11.0
E	53 02.0
EL	03 03 30.0
MAR 6	
BMO E(P)	02 22 53.0
MAR 6	
BMO EP	02 23 02.7
MAR 6	
BMO E(P)	02 28 43.2
MAR 6	
BMO E(P)	02 31 21.8
MAR 6	
BMO E(P)	02 42 05.5
MAR 6	
COL IP D	02 47 15.8
E	49 34.3
MAR 6	
BMO E(P)	02 54 14.8
MAR 6	
COL EP	02 59 45.1
I	03 00 02.0
I(S)	00 57.3
MAR 6	
BMO EP	03 20 12.2
MAR 6	
BMO EP	04 07 44.8
MAR 6	
ALQ EP	04 49 27.0
MAR 6	
COL EP	04 58 16.7
E(S)	58 50.6
MAR 6	
BMO E(P)	05 19 36.1
MAR 6	
BMO EP	05 59 12.0
MAR 6	
BMO E(P)	06 08 47.1

Date and Station	Phase (GCT)
	h m s
MAR 6	
BMO EP	06 16 05.7
MAR 6	
BMO EP	06 28 25.0
MAR 6	
BMO EP	06 31 46.7
MAR 6	
H-07 15 39.2	
35.7N 139.9E	
h ABOUT 107KM	
COL EP	07 24 29.0
NEW EP	07 26 51.0
BMO EP	07 27 02.5
HHM EP	07 27 03.0
E	27 23.0
BOZ EP	07 27 18.5
EUR IP	07 27 26.6
FGU EP	07 27 43.6
TUC E(P)	07 28 04.6
ALQ IP	07 28 12.0
MAR 6	
COL E(P)	07 24 10.0
MAR 6	
ALQ IP	07 47 45.5
MAR 6	
H-08 15 57.1	
49.7N 029.0W	
h ABOUT 33KM	
BMO EP	08 25 38.7
MAR 6	
COL EP	08 43 54.0
BMO EP	08 46 31.0
MAR 6	
NEW EP	09 05 25.0
MAR 6	
BMO E(P)	11 31 33.6
MAR 6	
COL EP	11 41 54.0
MAR 6	
BMO EP	12 33 36.5
MAR 6	
BMO E(P)	13 03 03.5
MAR 6	
BMO EP	13 06 12.4
MAR 6	
BMO E(P)	13 10 17.0
MAR 6	
BMO IP	13 30 53.4

Date and Station	Phase	Phase (GCT) h m s
MAR 6		
COL	EP	13 31 41.0
MAR 6		
H-13 41 05.3		
50.9N 178.3E		
h ABOUT 64KM		
COL	EP	13 45 59.0
NEW	IP	13 48 41.8
BMO	EP	13 48 54.9
MAR 6		
BMO	EP	13 41 54.3
MAR 6		
BMO	E(P)	14 15 01.2
MAR 6		
BMO	E(P)	14 29 55.9
MAR 6		
BMO	EP	14 45 35.3
MAR 6		
BMO	E(P)	14 49 56.6
MAR 6		
BMO	EP	17 03 24.3
MAR 6		
BMO	EP	17 15 06.2
MAR 6		
H-17 58 39.8		
41.9N 147.3E		
h ABOUT 45KM		
COL	E(P)	18 06 35.0
	E	06 49.0
EUR	EP	18 09 44.1
MAR 6		
H-18 01 47.4		
24.1S 177.0W		
h ABOUT 15KM		
SLD	EP	18 14 00.7
CED	EP	18 14 03.6
BCN	EP	18 14 18.5
TUC	EP	18 14 22.2
EUR	EP	18 14 24.2
	I	14 30.4
GCA	EP	18 14 32.5
BMO	EP	18 14 35.9
ALQ	IP	18 14 43.2
	I	14 48.4
SLC	E(P)	18 14 43.3
NEW	EP	18 14 46.0
FGU	EP	18 14 47.8
COL	EP	18 14 53.0
BOZ	EP	18 14 53.5
	E	14 57.5
BUT	E(P)	18 14 53.8
MAR 6		
BCN	EP	18 04 18.5
MAR 6		
EUR	IP	18 42 18.5
MAR 6		
BMO	EP	19 24 13.2
MAR 6		
COL	E(P)	19 45 29.0
MAR 6		
BMO	E(P)	20 14 53.5
MAR 6		
H-21 04 18.4		
07.1N 071.7W		
h ABOUT 38KM		
SJG	IP	21 07 10.6
	E(S)	09 30.5
ALQ	IP	21 12 10.8
	I	12 37.8
TUC	E(P)	21 12 24.2
EUR	EP	21 13 20.0
BMO	EP	21 13 45.2
NEW	EP	21 13 55.0
COL	EP	21 16 13.0
MAR 6		
TUC	E(P)	21 15 24.0
MAR 6		
BMO	EP	21 51 36.2
MAR 6		
BMO	EP	22 27 02.3
MAR 6		
BMO	EP	22 53 49.8
MAR 6		
BMO	EP	23 41 40.5
MAR 7		
BMO	EP	00 33 04.6
MAR 7		
BMO	E(P)	00 38 47.4
MAR 7		
H-01 16 09.7		
39.1N 041.6E		
h ABOUT 38KM		
BRW	IP C	01 27 13.1
COL	IP	01 27 54.5
WSC	EP	01 28 38.2
	E	28 54.9
HHM	IP C	01 29 09.6
NEW	IP	01 29 12.0
	I	29 40.0
RCD	EP	01 29 14.0
BOZ	EP	01 29 18.2
	E	29 21.0
BMO	EP	01 29 26.6
SLC	E(P)	01 29 39.9
EUR	IP D	01 29 49.8
	E	32 24.5
	IPP	33 55.0
ALQ	EP	01 29 56.0
MAR 7		
SLC	E(P)	01 25 55.2
MAR 7		
GUA	EP	02 07 38.0
MAR 7		
H-02 35 27.3		
20.6S 178.4W		
h ABOUT 596KM		
EUR	EP	02 46 54.0
TUC	EP	02 46 54.2
BMO	EP	02 47 04.9
NEW	IP	02 47 14.1
COL	EP	02 47 15.4
ALQ	IP	02 47 15.6
FGU	IP	02 47 18.5
MAR 7		
TUC	EPN	03 04 36.1
MAR 7		
BMO	E(P)	03 05 04.2
MAR 7		
BMO	EP	03 38 16.4
MAR 7		
NEW	EP	03 45 27.0
	ES	45 57.0
BMO	EPG	03 45 32.5
MAR 7		
TUC	E(P)	03 53 05.5
MAR 7		
BMO	EP	03 53 40.6
MAR 7		
BMO	E(P)	04 22 11.6
MAR 7		
BMO	EP	04 44 35.9
MAR 7		
BMO	E(P)	04 47 43.1
MAR 7		
BMO	E(P)	05 45 10.9
MAR 7		
TUC	(PN)	05 58 27.1
MAR 7		
TUC	E(P)	06 39 05.6
ALQ	E(P)	06 39 23.5
MAR 7		
H-07 26 19.6		
54.0N 160.8E		
h ABOUT 59KM		
BRW	EP	07 31 41.7
COL	EP	07 32 01.0
BMO	EP	07 35 18.7
EUR	EP	07 35 51.5
ALQ	IP	07 36 41.9
MAR 7		
COL	EP	07 38 36.0
MAR 7		
COL	IP	08 10 54.4
MAR 7		
BMO	E(P)	08 24 01.8
MAR 7		
BMO	EP	08 58 11.5
MAR 7		
COL	IP	09 07 30.7
MAR 7		
H-09 10 53.9		
14.6N 093.1W		
h ABOUT 17KM		
TUC	EP	09 16 09.3
	E	16 21.7
	ES	20 37.0
ALQ	I(P)	09 16 11.5
	I	16 39.4
GCA	EP C	09 16 45.0
BCN	IP C	09 16 55.0
CED	EP	09 16 59.2
FGU	IP	09 17 03.5
RCD	EP	09 17 10.0
EUR	IP	09 17 21.8
SLD	EP	09 17 35.8
BUT	E(P)	09 17 43.8
	E	17 52.3
BOZ	EP	09 17 46.0

Date and Station	Phase (GCT)
	h m s
BMO EP	09 18 00.7
HHM EP	09 18 12.0
NEW IP	09 18 21.2
EPP	19 54.0
COL EP	09 21 16.0
MAR 7	
BMO E(P)	10 00 26.4
MAR 7	
ALQ IP	10 12 04.2
MAR 7	
BMO EP	10 54 05.5
MAR 7	
H-11 15 27.9	
14.0N 093.2W	
h ABOUT 33KM	
ALQ IP	11 20 42.0
TUC E(P)	11 20 44.3
EUR EP	11 21 57.7
BMO EP	11 22 37.2
MAR 7	
BMO EP	11 58 31.5
MAR 7	
EUR EP	12 43 37.0
MAR 7	
ALQ E(P)	12 59 38.0
MAR 7	
BMO E(P)	13 13 42.3
MAR 7	
COL EP	14 12 37.0
MAR 7	
BMO EP	14 23 45.4
MAR 7	
NEW EP	14 26 11.0
IS	26 42.0
BMO EPG	14 26 16.0
MAR 7	
SJG E(P)	14 35 25.1
IL	36 10.5
MAR 7	
BMO EP	14 54 47.2
MAR 7	
BOZ IP	15 25 19.5
IL	25 41.5
MAR 7	
BMO EP	15 39 23.0
MAR 7	
H-17 12 00.7	
42.9N 045.8E	
h ABOUT 42KM	

Date and Station	Phase (GCT)
	h m s
COL EP	17 23 22.0
NEW EP	17 24 48.0
BMO EP	17 25 04.0
EUR EP	17 25 29.2
MAR 7	
BMO E(P)	17 20 03.4
MAR 7	
BMO E(P)	17 56 03.7
MAR 7	
H-18 09 42.6	
46.3N 111.5W	
h ABOUT 13KM	
BZM IP	18 09 52.2
BOZ IP	18 09 52.7
I	09 56.0
IL	10 04.0
BUT IP	18 09 57.1
IL	10 08.8
HHM IP	18 10 28.5
EL	11 10.0
BMO IP	18 10 47.6
NEW IP	18 10 49.6
FGU IP D	18 11 06.3
I	11 23.0
IL	12 38.5
SLC E(P)	18 11 04.2
I	11 23.6
IL	12 33.0
RCD EP	18 11 12.0
E	11 34.0
ES	12 31.0
EL	13 58.0
EUR IP	18 11 36.0
GCA EP	18 12 00.0
EL	14 35.5
IL	15 15.0
SLD E(P)	18 12 18.3
E	12 38.0
IL	15 46.0
BCN E(P)	18 12 19.5
IL	15 18.0
CED EL	18 16 11.5
ALQ EP	18 12 33.0
I	12 45.6
I	17 13.5
TUC E(P)	18 13 05.0
COL IP	18 15 28.0
E	17 23.4
EL	24 21.8

Date and Station	Phase (GCT)
	h m s
PHI E(P)	18 15 31.0
E	17 07.0
E	23 16.4
WSC EL	18 21 32.7
E	23 30.0
MAR 7	
BMO EP	18 22 18.0
MAR 7	
HHM IP D	18 25 29.1
MAR 7	
H-18 26 07.9	
45.0N 111.9W	
h ABOUT 33KM	
BZM IP	18 26 23.0
BOZ IP	18 26 23.5
BUT IP	18 26 27.0
HHM EP	18 27 03.8
ES	27 40.0
BMO EPN	18 27 07.1
NEW EP	18 27 21.0
EL	28 30.0
MAR 7	
H-18 29 27.1	
36.8N 121.6W	
h ABOUT 1KM	
SLD I(P)	18 29 34.9
IS	29 41.0
MAR 7	
BOZ EP	18 36 07.0
IL	36 16.7
MAR 7	
H-18 41 00.0	
37.0N 116.0W	
h ABOUT 0KM	
BCN IPC	18 41 26.5
IL	41 48.0
EUR IP	18 41 42.0
CED EP	18 41 49.1
I	41 56.7
IL	42 34.8
GCA EP	18 41 59.0
I	42 07.3
IL	42 58.2
HHM IP C	18 42 03.5
SLD E(P)	18 42 07.1
I	42 15.8
IL	43 08.0
SLC E(P)	18 42 19.5
IL	43 53.0
TUC EPN	18 42 37.0
FGU EP	18 42 40.3
IL	44 30.0

Date and Station	Phase (GCT)
	h m s
ALQ EP	18 42 43.0
I	43 29.4
BMO EP	18 42 59.2
MAR 7	
BCN E(P)	18 46 36.0
I	46 40.5
I	47 05.0
EUR I(P)	18 46 54.5
BUT E(P)	18 46 58.1
GCA E(P)	18 47 08.5
E	47 20.0
EL	48 09.0
HHM EP	18 47 08.6
SLD E(P)	18 47 22.5
E	47 35.0
EL	48 31.5
BMO E(P)	18 48 36.3
MAR 7	
BMO EPG	18 57 42.3
MAR 7	
BUT IP	19 27 08.1
MAR 7	
ALQ EP	20 04 40.0
MAR 7	
H-20 21 31.3	
56.8N 151.3W	
h ABOUT 22KM	
COL IP	20 23 32.8
NEW EP	20 26 27.0
BMO EP	20 26 49.6
EUR I(P)	20 27 16.0
FGU EP	20 27 49.5
MAR 7	
BMO EP	20 29 06.6
MAR 7	
H-21 01 26.9	
45.6N 150.1E	
h ABOUT 50KM	
COL EP	21 08 45.0
BMO E(P)	21 11 40.5
EUR IP	21 12 08.0
MAR 7	
BUT IP	21 03 33.6
BMO E(P)	21 04 40.8
MAR 7	
BMO E(P)	21 27 26.6

Date and Station	Phase	(GCT) h m s
MAR 7		
H-21 29 17.4		
37.3N 114.9E		
h ABOUT 33KM		
GUA	EP	21 36 13.0
	ES	41 52.0
BRW	I(P)	21 38 43.6
COL	EP	21 39 20.0
	ISCP	43 44.3
	ES	47 32.0
SIT	E(P)	21 40 22.0
	E(S)	49 34.0
KIP	EP	21 40 59.0
HON	E(P)	21 41 08.2
BMO	I(P)	21 41 43.4
BOZ	EP	21 42 02.0
	ES	52 37.0
	E	58 38.0
EUR	E(P)	21 42 07.8
	I	42 17.5
	EPP	45 56.7
	IPPP	47 30.5
	E	49 24.8
	ES	53 12.0
SLC	EP	21 42 22.7
FGU	EP	21 42 24.8
	ES	53 26.8
RCD	EP	21 42 25.0
	E	42 32.0
CED	E(P)	21 42 33.5
BCN	EP	21 42 33.6
	EPP	46 21.5
TUC	E(P)	21 42 53.0
ALQ	IP	21 42 56.5
	IPP	47 07.5
SJG	EPP	21 50 08.0
	PPS	22 01 31.0
	ESS	07 00.0
	EL	20 30.0
MAR 7		
H-21 44 52.0		
21.6S 069.2W		
h ABOUT 112KM		
HHM	IP C	21 56 47.6
BMO	EP	21 56 47.7
MAR 7		
FGU	EP	21 46 50.0
MAR 7		
HON	IP	21 50 39.2
	IS	55 26.8
MAR 7		
BHP	IP	21 52 00.0
MAR 7		
TUC	E(P)	21 54 07.3
MAR 7		
BMO	EP	21 59 09.5
EUR	IP	21 59 13.1
COL	IP	22 00 40.2
MAR 7		
COL	EP	22 03 55.7
MAR 7		
BMO	EP	22 03 13.5
FGU	EP	22 03 45.0
MAR 7		
BMO	E(P)	22 06 53.1
MAR 7		
H-22 19 47.2		
37.5N 115.0E		
h ABOUT 33KM		
COL	IP	22 29 48.8
BMO	E(P)	22 32 17.8
EUR	E(P)	22 32 49.8
FGU	E(P)	22 32 56.5
MAR 7		
BMO	E(P)	22 28 10.9
MAR 7		
COL	IP	22 34 37.2
BMO	EP	22 37 10.8
MAR 7		
H-22 36 01.1		
29.2N 098.7E		
h ABOUT 6KM		
COL	EP	22 47 34.0
BMO	E(P)	22 49 50.3
MAR 7		
ALQ	IP	22 52 30.0
	I	52 56.0
MAR 7		
COL	EP	23 01 58.0
MAR 7		
COL	EP	23 03 45.0
MAR 7		
COL	EP	23 08 01.0
MAR 7		
HHM	EP	23 12 31.1
	EL	13 08.1
MAR 7		
EUR	IP	23 32 06.0
BMO	EP	23 32 53.0
MAR 7		
EUR	EP	23 48 23.0
MAR 7		
BMO	EPG	23 50 04.9
MAR 7		
BHP	EP	23 57 46.0
	ES	58 39.0
MAR 8		
H-00 04 50.8		
37.6N 115.1E		
h ABOUT 33KM		
COL	IP	00 14 53.1
BMO	EP	00 17 27.1
EUR	E(P)	00 17 51.5
FGU	E(P)	00 18 04.5
MAR 8		
COL	EP	00 12 25.0
BMO	EP	00 14 59.4
MAR 8		
H-00 18 12.6		
19.0S 173.2W		
h ABOUT 56KM		
KIP	IP	00 26 07.2
SLD	E(P)	00 29 45.5
	E	30 12.0
CED	EP	00 29 49.8
BCN	EP	00 30 06.0
TUC	E(P)	00 30 09.0
EUR	IP	00 30 12.2
GCA	EP	00 30 21.0
BMO	EP	00 30 24.7
SLC	EP	00 30 31.6
ALQ	IP	00 30 33.4
NEW	IP	00 30 35.5
COL	EP	00 30 46.5
	EPP	31 00.0
MAR 8		
FGU	EP	00 20 01.5
MAR 8		
FGU	EP	00 25 01.0
COL	EP	00 30 03.0
MAR 8		
BMO	EP	00 38 26.6
MAR 8		
COL	EP	00 46 58.0
MAR 8		
NEW	EP	00 50 34.0
	ES	51 00.0
MAR 8		
BMO	EP	00 55 27.5
MAR 8		
H-01 03 18.5		
44.6N 110.5W		
h ABOUT 33KM		
BZM	E(P)	01 03 38.0
BOZ	EP	01 03 40.0
BMO	E(P)	01 04 32.3
MAR 8		
BMO	E(P)	01 11 27.2
MAR 8		
H-01 13 42.7		
13.8S 166.5E		
h ABOUT 40KM		
GUA	EP	01 20 32.0
	ES	26 05.0
HON	E(P)	01 22 34.8
	ES	29 25.6
COL	E(P)	01 26 10.0
SLD	E(P)	01 26 20.5
BRW	EP	01 26 32.0
EUR	EP	01 26 34.1
	I	26 51.8
	E	34 43.0
BCN	EP	01 26 36.7
BMO	EP	01 26 41.4
TUC	E(P)	01 26 43.8
NEW	IP	01 26 47.9
	EPP	30 42.0
GCA	E(P)	01 26 51.5
BUT	E(P)	01 27 00.8
	E	28 38.8
SLC	E(P)	01 27 01.5
FGU	EP	01 27 01.5
BOZ	EP	01 27 03.0
ALQ	EP	01 27 06.0
SJG	EP'	01 32 45.5
	ISKP	36 11.0
MAR 8		
COL	IP	01 22 29.8
BMO	EP	01 25 03.3
EUR	E	01 25 27.7

Date and Station	Phase (GCT)
	h m s
FGU EP	01 25 35.2
MAR 8	
BMO EP	01 29 01.0
MAR 8	
FGU E(P)	01 43 57.8
ALQ EP	01 44 01.0
BMO EP	01 44 07.3
RCD E(P)	01 44 12.0
EUR EP	01 44 14.5
MAR 8	
BMO EP	01 47 55.2
MAR 8	
EUR E(P)	01 52 22.3
MAR 8	
BMO E(P)	01 55 28.4
EUR E(P)	01 55 45.5
MAR 8	
H-02 04 20.5	
37.3N 115.1E	
h ABOUT 33KM	
BRW EP	02 13 48.4
COL IP	02 14 24.3
BMO EP	02 16 58.8
EUR EP	02 17 23.0
FGU EP	02 17 29.7
MAR 8	
H-02 32 53.5	
31.3S 068.6W	
h ABOUT 110KM	
TUC EP	02 44 23.6
GCA EP	02 44 43.0
E	45 15.4
FGU EP	02 44 58.3
EsP	45 27.7
EUR IP	02 45 08.8
BOZ EP	02 45 23.0
BMO EP	02 45 31.8
MAR 8	
BMO E(P)	02 57 56.3
MAR 8	
BMO E(P)	03 17 54.0
MAR 8	
H-03 46 37.8	
37.6N 114.9E	
h ABOUT 33KM	
COL IP	03 56 39.8
HHM EP	03 59 06.6
BMO EP	03 59 13.1
BOZ EP	03 59 22.5
EUR IP	03 59 37.2
RCD E(P)	03 59 43.0
FGU EP	03 59 44.9
MAR 8	
COL EP	04 04 43.0
BMO E(P)	04 07 15.8
EUR E	04 07 42.5
FGU EP	04 07 51.0
MAR 8	
COL EP	04 11 24.0
BMO E(P)	04 13 54.7
FGU EP	04 14 30.2
MAR 8	
BMO E(P)	04 39 55.9
FGU E(P)	04 41 17.0
MAR 8	
BMO EP	04 51 52.5
MAR 8	
BMO EP	05 17 10.7
MAR 8	
H-05 41 03.5	
1.8N 126.3E	
h ABOUT 27KM	
GUA EP	05 45 53.0
ES	49 48.0
KIP EP	05 52 52.4
HON E(P)	05 52 58.4
ES	06 02 36.0
BRW IP C	05 53 34.5
I	59 08.0
COL EP	05 53 41.0
SIT E(P)	05 54 18.4
NEW IP	05 55 15.5
E	58 41.0
BMO EP	05 55 21.1
EPKKP	06 10 40.7
SLD E(P)	05 55 23.5
EPP	59 46.5
PKKP	06 10 56.5
HHM E(P)	05 55 25.1
EP'	59 19.1
FGU EP	05 55 51.7
E	59 26.7
EP'	59 43.0
EPKK	06 10 29.0
EUR EP	05 55 33.8
EP'	59 36.0
EPP	06 00 06.0
EPKKP	10 49.0
BCN EP	05 55 47.5
EP'	59 40.0
EPP	06 00 22.0
EPKKP	10 42.5
BOZ E(P)	05 55 38.5
EP'	59 36.5
EPP	06 00 10.0
E	09 25.0
HHM EP'	05 59 18.0
E	59 48.0
EPKKP	06 10 51.1
GCA EPKKP	06 10 34.0
TUC EP'	05 59 46.7
EPKKP	06 10 14.8
RCD EP'	05 59 47.0
ALQ IP'	05 59 52.0
WSC EP'	06 00 20.9
E	00 44.8
SJG EP'	06 00 58.9
E	05 04.0
MAR 8	
EUR EP	05 50 33.3
BMO E(P)	05 50 37.3
COL EP	05 52 12.0
MAR 8	
BMO EP	05 54 46.5
MAR 8	
H-06 00 05.9	
1.8N 126.4E	
h ABOUT 33KM	
BRW IP C	06 12 36.0
E	12 50.8
COL EP	06 12 46.0
BMO EPKKP	06 30 01.8
EUR EP'	06 18 24.5
EPKKP	29 51.3
TUC EPKKP	06 29 22.7
FGU EP'	06 18 44.0
MAR 8	
EUR E(P)	06 13 15.0
MAR 8	
H-06 25 13.4	
37.8N 114.9E	
h ABOUT 33KM	
BRW IP D	06 34 37.4
COL EP	06 35 14.0
HHM EP	06 37 41.3
BMO EP	06 37 48.1
EUR IP	06 38 11.9
FGU EP C	06 38 19.8
MAR 8	
H-06 28 13.4	
02.1N 126.4E	
h ABOUT 96KM	
BRW EP	06 40 35.1
COL E(P)	06 40 43.2
MAR 8	
COL EP	06 33 00.0
MAR 8	
COL E(P)	06 35 45.0
BMO EP	06 35 34.2
FGU EP	06 36 06.0
MAR 8	
BMO EP	06 48 20.9
MAR 8	
BMO E(P)	06 58 51.1
MAR 8	
BCN IP	07 12 18.7
IS	12 40.0
EUR IP	07 12 48.4
E(L)	13 35.3
MAR 8	
COL EP	07 19 49.0
BMO EP	07 22 21.4
FGU EP	07 22 54.6
MAR 8	
H-07 21 37.9	
36.3N 070.7E	
h ABOUT 110KM	
COL EP	07 33 07.2
E(sP)	33 51.7
MAR 8	
COL EP	07 22 23.0
MAR 8	
H-07 36 44.8	
37.3N 115.0E	
h ABOUT 33KM	
BRW EP	07 46 11.3

Date and Station	Phase (GCT)
	h m s
COL EP	07 46 48.0
NEW EP	07 49 09.0
HHM E(P)	07 49 15.0
BMO EP	07 49 22.1
EUR IP	07 49 46.5
FGU EP	07 49 54.0
MAR 8	
BRW EP	07 40 39.9
MAR 8	
COL EP	08 15 56.0
BRW E(P)	08 16 20.3
BMO E(P)	08 18 31.7
MAR 8	
BMO EP	09 19 15.8
COL EP	09 20 05.0
MAR 8	
BMO E(P)	09 40 04.4
MAR 8	
BOZ EP	09 55 21.0
E	55 43.5
MAR 8	
BOZ EP	09 56 51.5
E	57 13.0
BMO E(P)	09 57 51.4
MAR 8	
H-10 28 56.8	
36.8N 138.0E	
h ABOUT 10KM	
BRW E(P)	10 37 35.7
EPP	39 19.6
COL EP	10 37 59.5
BMO EP	10 40 34.5
EUR EP	10 40 58.0
MAR 8	
H-10 39 20.3	
.2N 092.7W	
h ABOUT 33KM	
ALQ E(P)	10 46 11.5
TUC E(P)	10 46 22.0
BCN E(P)	10 47 03.0
FGU EP	10 47 20.5
EUR EP	10 47 30.5
BMO E(P)	10 48 15.3
MAR 8	
BMO E(P)	10 52 25.0

Date and Station	Phase (GCT)
	h m s
MAR 8	
H-11 02 26.6	
53.9N 035.3W	
h ABOUT 33KM	
BOZ EP	11 11 03.0
FGU EP	11 11 16.0
COL EP	11 11 24.0
BMO E(P)	11 11 28.7
ALQ IP	11 11 39.5
EUR EP	11 11 51.0
MAR 8	
FGU EP	11 08 36.4
BMO E(P)	11 08 52.1
ALQ EP	11 09 06.0
EUR E	11 09 26.5
MAR 8	
BOZ EP	11 16 50.0
NEW EP	11 16 52.0
FGU EP	11 17 03.3
BMO E(P)	11 17 14.1
COL EP	11 17 15.5
ALQ IP	11 17 25.5
EUR EP	11 17 38.3
MAR 8	
BMO EP	11 26 12.1
COL EP	11 29 08.0
MAR 8	
BMO EP	11 35 48.1
MAR 8	
BMO EP	11 48 03.3
MAR 8	
ALQ EP	12 05 08.5
BMO E(P)	12 05 23.4
EUR EP	12 06 13.6
MAR 8	
H-12 19 18.7	
01.8N 126.3E	
h ABOUT 60KM	
BRW IP C	12 31 45.8
COL EP	12 31 56.0
BMO E(P)	12 33 25.2
EPP	37 51.8
EUR IP'	12 37 48.2
ALQ IP'	12 38 03.0

Date and Station	Phase (GCT)
	h m s
MAR 8	
BMO E(P)	12 23 00.3
MAR 8	
ALQ IP	12 32 21.8
MAR 8	
BMO E(P)	12 49 10.7
MAR 8	
BMO E(P)	12 52 31.2
MAR 8	
BMO EP	12 53 51.0
MAR 8	
BMO E(P)	13 14 07.5
MAR 8	
BMO E(P)	13 45 25.5
MAR 8	
BMO EP	14 22 27.0
MAR 8	
BMO EP	14 53 35.3
MAR 8	
NEW EP	15 01 08.0
E	02 36.0
MAR 8	
EUR IP	15 05 29.2
MAR 8	
BMO E(P)	15 21 27.0
COL EP	15 25 09.0
MAR 8	
BMO E(P)	15 45 58.5
MAR 8	
TUC EP	15 48 18.1
MAR 8	
ALQ IP	16 27 02.4
I	27 19.0
EUR IP	16 28 40.5
MAR 8	
BMO E(P)	16 45 03.6
MAR 8	
BMO E(P)	16 46 52.0
MAR 8	
BMO EP	17 39 53.4
MAR 8	
BMO EP	17 53 58.9
MAR 8	
ALQ IP	18 07 11.5
MAR 8	
COL E(P)	18 50 08.0
MAR 8	
H-18 51 47.4	
38.9N 021.5E	
h ABOUT 45KM	

Date and Station	Phase (GCT)
	h m s
COL E(P)	19 03 35.5
BMO EP	19 04 36.3
MAR 8	
COL E(P)	19 02 34.7
MAR 8	
BMO E(P)	18 54 40.3
MAR 8	
BMO E(P)	20 26 46.0
MAR 8	
ALQ IP	20 37 45.0
IS	38 11.8
GCA EP	20 37 52.5
IL	38 10.5
E	39 02.0
FGU EP	20 38 19.0
E	38 30.5
IL	39 23.5
MAR 8	
EUR IP	20 41 06.2
MAR 8	
H-20 46 11.4	
20.0S 068.9W	
h ABOUT 112KM	
SJG IP C	20 53 17.6
ISCP	58 55.0
IS	58 57.5
IsS	59 41.2
EL	01 48.0
WSC EP	20 56 01.4
E▸P	56 29.0
ALQ IP	20 56 43.2
I▸P	57 10.8
TUC IP D	20 56 46.4
E▸P	57 16.8
E▸P	57 26.1
ES	21 05 22.0
GCA IP D	20 57 11.5
IPCP	57 22.5
I▸P	57 39.4
IsP	57 50.2
BCN IP D	20 57 18.0
I	57 31.5
I▸P	57 45.5
IsP	57 58.5
EP'P'	21 25 13.0
RCD IP	20 57 20.0
E▸P	57 48.0
CED EP D	20 57 20.2
IsP	58 01.4
FGU EP	20 57 21.0
IPCP	57 35.5
E▸P	57 49.0
ES	21 06 30.0
EP'P'	25 10.0

Date and Station	Phase (GCT)
	h m s
EUR IP D	20 57 36.0
I▸P	58 04.0
I▸P	58 20.7
E(PP)	21 00 31.9
SLD EP	20 57 44.5
E▸P	58 13.0
E▸P	58 23.5
BOZ IP D	20 57 48.5
E▸P	58 17.5
BUT EP	20 57 51.3
BMO EP	20 58 00.8
NEW IP	20 58 12.5
COL EP	20 59 59.0
GUA EP'	21 05 43.0
MAR 8	
BMO EPG	21 10 56.9
BOZ IP	21 12 40.0
BUT EP	21 12 45.3
NEW E(P)	21 13 41.0
ES	14 47.0
MAR 8	
BUT IP	21 13 43.8
BMO EPN	21 13 48.4
MAR 8	
BMO EP	21 17 10.6
MAR 8	
ALQ EP	21 24 48.0
E	25 17.5
E	25 27.5
GCA EP	21 25 17.0
E	25 48.0
MAR 8	
GCA E(P)	21 42 37.0
MAR 8	
EUR EP	22 09 51.0
BMO EP	22 10 51.3
MAR 8	
BMO EP	23 00 13.0
MAR 8	
H-23 15 46.9	
22.0S 175.0W	
h ABOUT 50KM	
EUR E(P)	23 28 03.3
E▸P	28 18.0
TUC E(P)	23 28 05.0
BMO EP	23 28 17.4
ALQ IP	23 28 25.0
I	28 38.0

Date and Station	Phase (GCT)
	h m s
COL IP	23 28 37.4
MAR 8	
BMO EP	23 23 38.4
MAR 8	
H-23 26 37.8	
53.3N 170.2E	
h ABOUT 7KM	
COL EP	23 31 54.0
BMO EP	23 35 06.8
EUR IP	23 35 39.5
TUC E(P)	23 36 35.3
MAR 8	
FGU IP	23 29 51.6
IL	30 17.0
MAR 8	
BOZ IP	23 32 44.7
E	33 14.0
MAR 8	
BOZ EP	23 35 53.0
MAR 8	
BMO EP	23 38 44.0
MAR 8	
BMO EP	23 40 32.7
MAR 9	
EUR IP	00 27 06.5
MAR 9	
COL E(P)	00 32 04.0
MAR 9	
BMO EP	00 46 03.0
MAR 9	
BMO EP	01 37 44.4
MAR 9	
H-01 39 13.8	
47.8N 153.9E	
h ABOUT 74KM	
COL IP	01 46 00.8
BMO EP	01 49 01.3
EUR IP	01 49 29.5
MAR 9	
BMO E(P)	02 04 11.5
MAR 9	
SJG IP	02 42 19.7
I(S)	42 40.0
MAR 9	
BMO EP	03 11 25.8
MAR 9	
BMO E(P)	03 29 47.4
MAR 9	
COL EP	03 40 05.0

Date and Station	Phase (GCT)
	h m s
MAR 9	
BMO EP	03 51 58.4
MAR 9	
BMO E(P)	03 59 14.0
MAR 9	
SLD IP D	04 11 54.3
I(S)	12 00.4
MAR 9	
EUR IP	04 13 17.2
MAR 9	
BMO EP	04 47 52.4
MAR 9	
EUR E(P)	05 08 07.0
MAR 9	
H-05 08 30.2	
16.2N 095.5W	
h ABOUT 61KM	
ALQ IP	05 13 11.0
IL	19 57.5
TUC EP	05 13 11.7
E	13 20.0
EL	19 50.0
GCA E(P)	05 13 52.0
I	14 53.5
I	15 01.0
BCN EP	05 14 00.3
I	14 08.5
FGU EP	05 14 12.5
I	14 20.5
EUR IP	05 14 28.5
BMO EP	05 15 08.9
HHM E(P)	05 15 23.0
E	15 30.7
NEW IP	05 15 31.6
COL EP	05 18 30.0
MAR 9	
H-05 46 11.8	
14.0N 144.7E	
h ABOUT 128KM	
GUA IP	05 46 31.0
IS	46 44.0
BMO EP	05 58 37.9
NEW E(P)	05 58 41.0
EUR IP	05 58 50.8
MAR 9	
BMO E(P)	06 22 04.5
MAR 9	
BMO EP	06 46 24.8
EUR EP	06 46 26.1

Date and Station	Phase (GCT)
	h m s
MAR 9	
BMO E(P)	07 34 15.5
MAR 9	
BMO E(P)	08 00 00.8
MAR 9	
H-08 11 03.6	
51.7N 177.1W	
h ABOUT 55KM	
COL EP	08 15 34.0
BRW EP C	08 15 52.3
NEW IP	08 18 16.0
HHM EP	08 18 31.0
BMO EP	08 18 31.2
EUR IP	08 19 01.9
IPCP	20 50.3
BCN E(P)	08 19 24.5
RCD EP	08 19 39.5
TUC E(P)	08 20 01.0
ALQ IP	08 20 13.6
IPCP	21 21.5
MAR 9	
BMO EP	08 20 36.7
MAR 9	
BMO E(P)	08 45 31.3
MAR 9	
H-08 50 12.5	
56.1S 027.2W	
h ABOUT 33KM	
BMO EP'	09 09 08.7
COL EP'	09 09 58.0
MAR 9	
H-09 52 56.3	
01.7N 099.7E	
h ABOUT 160KM	
BMO EP'	10 11 34.6
EUR IP'	10 11 44.6
MAR 9	
NEW EP	10 05 16.0
MAR 9	
BMO EP	10 12 27.3
MAR 9	
H-10 24 44.2	
07.0N 073.0W	
h ABOUT 144KM	
EUR IP	10 33 28.0
BMO EP	10 33 56.1
MAR 9	
BMO EP	10 40 11.1

Date and Station	Phase	Phase (GCT) h m s
MAR 9		
BMO	EP	11 04 54.2
MAR 9		
COL	IP	11 50 31.4
	ES	51 37.0
BRW	EP	11 50 43.5
MAR 9		
HHM	IP C	11 51 14.0
	IS	51 48.0
NEW	E(P)	11 51 32.0
	ES	52 40.0
BMO	EP	11 51 40.7
MAR 9		
BMO	E(P)	12 02 26.3
MAR 9		
TUC	E(P)	12 49 52.5
MAR 9		
BMO	EP	13 05 50.3
MAR 9		
H-13 06 02.8		
43.4N 126.0W		
h ABOUT 11KM		
BMO	EP	13 07 39.3
NEW	E(P)	13 08 00.0
ALQ	IP	13 10 06.0
MAR 9		
BMO	EP	13 23 40.8
MAR 9		
H-14 02 09.8		
27.7N 114.9W		
h ABOUT 3KM		
TUC	EP	14 03 38.7
	E(S)	04 35.0
CED	E(P)	14 03 52.8
	IL	05 36.8
BCN	IP D	14 04 13.9
	IL	06 41.0
GCA	EP	14 04 34.5
	EL	07 19.0
ALQ	IP	14 04 41.4
	IL	07 52.0
EUR	IP D	14 05 03.2
	IL	08 24.5
SLC	EP	14 05 20.6
FGU	EP	14 05 33.5
BMO	EP	14 06 14.3
RCD	E(P)	14 06 39.0
NEW	EP	14 06 50.0
HHM	EP D	14 06 52.0
COL	EP	14 10 09.0
MAR 9		
BMO	EP	14 11 06.8
MAR 9		
BMO	E(P)	14 15 40.9
EUR	IP	14 16 07.7
MAR 9		
BRW	EP	14 42 23.7
COL	EP	14 43 01.0
BMO	EP	14 45 34.4
MAR 9		
H-15 06 27.5		
34.7N 080.4E		
h ABOUT 33KM		
COL	EP	15 18 01.0
MAR 9		
H-15 43 11.3		
55.2S 126.8W		
h ABOUT 33KM		
ALQ	IP	15 56 14.0
BCN	E(P)	15 56 20.0
EUR	IP	15 56 32.1
COL	EP'	16 02 07.4
BRW	EP'	16 02 14.6
MAR 9		
COL	IP	15 44 58.8
MAR 9		
BMO	E(P)	15 56 25.8
MAR 9		
BMO	EP	16 08 07.7
MAR 9		
BMO	E(P)	16 36 11.8
MAR 9		
ALQ	IP	17 21 21.0
	I	21 55.0
GCA	E(P)	17 21 23.5
	E	21 25.5
	EL	21 57.2
MAR 9		
BMO	EP	17 49 24.2
MAR 9		
BMO	E(P)	18 02 41.3
MAR 9		
EUR	E(P)	18 24 02.3
	E	24 35.5
MAR 9		
EUR	E(P)	18 30 24.0
MAR 9		
BMO	EP	19 07 09.2
MAR 9		
HHM	E(P)	19 10 11.5
MAR 9		
HHM	E(P)	19 30 48.0
	EL	31 17.0
BMO	EP	19 31 16.5
MAR 9		
ALQ	IP	20 07 36.2
	I	08 12.2
MAR 9		
BMO	E(P)	20 36 12.7
MAR 9		
ALQ	IP	20 40 50.4
MAR 9		
COL	EP	20 48 54.0
MAR 9		
H-21 23 08.2		
35.4N 118.4W		
h ABOUT 4KM		
CED	IP C	21 23 34.2
	IS	24 52.7
SLD	IP	21 23 54.5
	IS	24 28.0
BCN	IP C	21 23 55.5
	I	24 04.3
	IL	24 44.2
EUR	IP	21 24 19.7
	IL	25 31.5
BMO	E(P)	21 25 32.3
MAR 9		
RCD	E(P)	21 23 50.0
MAR 9		
BMO	EP	21 26 24.0
MAR 9		
ALQ	IP	21 40 53.5
	I	41 26.6
MAR 9		
H-22 03 45.6		
36.8N 137.8E		
h ABOUT 10KM		
BRW	EP	22 12 24.9
COL	E(P)	22 12 48.5
BMO	EP	22 15 23.9
MAR 9		
ALQ	IP	22 03 56.6
SLC	EP	22 04 55.0
EUR	E(P)	22 05 28.0
	EL	06 17.0
BMO	E	22 06 22.6
MAR 9		
SLC	EP	22 09 14.6
MAR 9		
ALQ	IP	23 13 12.0
	IS	13 38.5
MAR 9		
H-23 13 51.4		
7.3S 108.4E		
h ABOUT 148KM		
BRW	EP	23 27 14.4
COL	EPP	23 31 52.0
	EPKKP	43 32.0
NEW	EP'	23 32 34.0
BMO	EP'	23 32 37.7
SLD	EP'	23 32 40.0
	I	33 11.0
CED	ESKP	23 35 58.7
EUR	IP'	23 32 45.0
	E	33 16.0
	ISKP	35 54.0
	E	36 49.7
SLC	ESKP	23 36 02.0
FGU	EP'	23 32 51.5
	E	33 22.2
	ESKP	36 07.5
	E	37 01.8
BCN	IP'	23 32 51.5
	E	33 21.5
	ESKP	36 03.9
	I	36 57.8
ALQ	IP'	23 32 52.6
	ISKP	36 25.0
GCA	EP'	23 32 54.5
	E	33 25.5
	ESKP	36 10.0
	E	37 05.0
RCD	ESKP	23 36 13.0
	E	36 17.0
TUC	ESKP	23 36 19.0
* WSC	EP'	23 33 18.9
	E	33 51.2
	E	34 28.8
MAR 9		
BMO	E(P)	23 30 51.8
MAR 9		
BMO	E(P)	23 45 03.4
MAR 9		
NEW	EP	23 47 27.0
	IS	47 46.0

Date and Station	Phase (GCT)
	h m s
MAR 10	
CED IP	00 01 06.9
IS	01 26.7
MAR 10	
BMO E(P)	00 37 21.7
MAR 10	
GCA IP	00 47 39.0
E(S)	48 03.2
IL	48 05.7
MAR 10	
BMO E(P)	01 14 00.6
MAR 10	
COL EP	01 29 13.0
MAR 10	
H-02 08 20.5	
15.9N 145.6E	
h ABOUT 150KM	
GUA IP	02 09 02.0
ES	09 31.0
NEW IP	02 20 30.4
BMO EP	02 20 34.5
HHM IP	02 20 40.5
EUR IP	02 20 47.1
FGU IP	02 21 07.5
MAR 10	
BMO E(P)	02 11 58.0
MAR 10	
H-03 48 42.5	
35.3N 135.6E	
h ABOUT 33KM	
BMO EP	04 00 31.5
MAR 10	
H-04 26 19.7	
32.2N 137.6E	
h ABOUT 382KM	
GUA IP	04 30 24.0
E(S)	33 42.0
BRW IP C	04 34 54.5
COL IP	04 35 13.5
KIP IP	04 35 34.0
BUT EP	04 37 46.8
BMO IP	04 37 36.0
HHM IP C	04 37 36.0
E▸P	39 04.3
SLD IP C	04 37 45.2
E▸P	39 10.0
BOZ IP C	04 37 51.7
E▸P	39 19.0

Date and Station	Phase (GCT)
	h m s
EUR IP C	04 37 56.5
E▸P	39 24.0
I	40 14.0
SLC IP	04 38 05.8
I	38 09.6
I	38 34.9
CED IP C	04 38 06.4
BCN IP C	04 38 10.0
IPP	41 23.0
FGU IP D	04 38 12.5
E▸P	39 41.0
ES	47 57.5
GCA EP C	04 38 17.4
E	38 42.0
RCD IP C	04 38 19.5
E	38 24.0
TUC EP	04 38 33.6
EPP	42 06.1
ESKS	48 29.0
ALQ IP	04 38 39.4
IPP	42 09.8
MAR 10	
EUR E(P)	05 03 21.5
MAR 10	
BMO E(P)	05 07 02.2
MAR 10	
GCA EP	05 57 17.3
IS	57 41.5
EUR IP	05 57 38.8
MAR 10	
ALQ E(P)	05 59 50.0
E	06 00 49.0
MAR 10	
NEW E(P)	06 25 31.0
MAR 10	
BMO E(P)	06 27 15.1
MAR 10	
COL EP	06 47 36.0
MAR 10	
GCA EP	07 04 29.4
I	04 31.0
IL	04 54.0
EUR IP	07 04 50.9
IL	05 32.0
FGU E(P)	07 04 52.5
IL	05 33.5
MAR 10	
COL EP	07 06 26.0
MAR 10	
GCA EP	07 18 37.5
EL	19 02.2

Date and Station	Phase (GCT)
	h m s
EUR E(P)	07 19 00.0
IL	19 40.4
MAR 10	
COL EP	08 46 42.8
MAR 10	
BMO E(P)	09 05 44.8
MAR 10	
COL EP	09 11 44.0
MAR 10	
BMO EP	10 10 59.7
MAR 10	
ALQ E(P)	10 28 42.0
MAR 10	
ALQ IP	10 42 41.0
MAR 10	
BMO EP	10 53 34.2
MAR 10	
H-11 19 02.0	
40.1N 041.6E	
h ABOUT 58KM	
NEW EP	11 32 02.0
MAR 10	
H-12 15 19.4	
19.3S 177.0W	
h ABOUT 320KM	
GUA EP	12 23 41.5
SLD IP	12 26 39.0
E▸P	27 50.5
CED EP	12 26 44.1
E▸P	27 57.4
BCN IP	12 26 58.0
E▸P	27 11.6
BCN IP	12 26 58.0
E▸P	28 11.6
EUR IP D	12 27 03.8
E▸P	28 18.2
E	31 21.0
TUC EP	12 27 04.0
E▸P	28 17.9
GCA IP D	12 27 13.7
E▸P	28 28.0
BMO IP	12 27 14.7
SLC E(P)	12 27 20.7
E	28 42.0
NEW IP	12 27 24.5
E	28 43.0
ALQ IP	12 27 25.8
I▸P	28 41.0
COL IP D	12 27 26.9
I▸P	28 44.9

Date and Station	Phase (GCT)
	h m s
FGU EP	12 27 28.6
E▸P	28 45.0
HHM IP	12 27 32.3
E▸P	28 47.9
BOZ IP D	12 27 33.6
E	28 17.5
E▸P	28 48.6
BRW EP	12 27 52.3
MAR 10	
COL EP	12 24 17.0
MAR 10	
H-12 41 53.2	
01.8N 126.3E	
h ABOUT 66KM	
BRW EP C	12 54 22.5
ALQ IP'	13 00 37.8
MAR 10	
BMO E(P)	12 45 28.0
MAR 10	
BMO E(P)	13 05 12.2
MAR 10	
BMO E(P)	13 22 46.3
MAR 10	
BMO E(P)	13 30 12.2
COL EP	13 33 30.0
MAR 10	
BMO E(P)	13 52 48.1
MAR 10	
COL EP	14 14 30.0
MAR 10	
BOZ E(P)	14 26 02.5
E	27 29.5
MAR 10	
COL EP	14 44 30.0
MAR 10	
COL EP	14 55 35.0
MAR 10	
BMO E(P)	15 09 25.4
MAR 10	
BMO E(P)	17 05 12.2
MAR 10	
BMO EP	17 08 59.9
MAR 10	
ALQ IP	17 14 19.8
I	14 55.5
MAR 10	
BMO E(P)	17 22 49.9
MAR 10	
BMO E(P)	18 20 06.1

Date and Station	Phase	(GCT)
		h m s
MAR 10		
EUR	IP	18 23 49.6
MAR 10		
ALQ	EP	18 29 02.5
	I	29 11.4
MAR 10		
COL	EP	18 42 59.0
MAR 10		
BMO	EP	19 48 08.3
MAR 10		
BMO	EP	19 53 45.9
MAR 10		
BHP	IP	19 59 15.0
	IS	59 56.5
MAR 10		
BMO	E(P)	20 45 56.7
MAR 10		
H-20 52 47.8		
36.7N 121.8W		
h ABOUT 7KM		
SLD	I(P)	20 52 55.2
	ES	53 00.2
EUR	E(P)	20 54 27.5
MAR 10		
BMO	EP	21 08 11.5
MAR 10		
BMO	E(P)	21 10 02.8
MAR 10		
BMO	EP	21 49 27.4
MAR 10		
BMO	EP	22 04 16.7
MAR 10		
EUR	IP	22 14 43.7
	IS	15 04.0
MAR 10		
FGU	IP C	22 17 51.2
	IS	18 11.8
MAR 10		
EUR	IP	22 21 19.5
MAR 10		
ALQ	IP	22 25 36.5
	I	25 44.0
MAR 10		
HHM	EP	22 48 50.0
BMO	EP	22 49 12.7
MAR 10		
ALQ	IP	23 14 04.0
	I	14 31.5
MAR 10		
BMO	EP	23 19 59.4
MAR 10		
BMO	EP	23 54 18.6

Date and Station	Phase	(GCT)
		h m s
MAR 11		
NEW	EP	00 07 45.0
MAR 11		
TUC	E(P)	00 25 58.3
MAR 11		
BMO	EP	00 34 31.7
MAR 11		
BMO	EP	00 41 26.1
MAR 11		
H-01 32 30.1		
15.3N 104.6W		
h ABOUT ·53KM		
TUC	IP	01 36 36.8
	EL	40 03.0
ALQ	IP	01 36 57.0
CED	EP	01 37 23.1
GCA	EP	01 37 27.0
BCN	EP	01 37 27.2
FGU	EP	01 37 59.0
EUR	IP	01 38 00.9
SLC	EP	01 38 04.0
	E	38 14.0
BOZ	EP	01 38 42.8
	E	38 52.5
BMO	EP	01 38 46.5
NEW	IP	01 39 14.6
SJG	EP	01 39 34.8
MAR 11		
H-01 48 35.1		
19.6S 069.3W		
h ABOUT 111KM		
SJG	IP	01 55 35.6
	IS	02 01 12.5
WSC	EP	01 58 22.7
	E	58 45.3
	E▸P	58 49.6
	E	59 10.2
ALQ	IP	01 59 02.8
	I▸P	59 29.5
TUC	IP	01 59 05.8
GCA	IP D	01 59 30.5
	E	02 00 00.5
BCN	IP D	01 59 37.7
	I▸P	02 00 05.5
	E	00 25.5
CED	EP	01 59 39.6
	E▸P	02 00 07.1
	E&P	00 19.1

Date and Station	Phase	(GCT)
		h m s
RCD	IP D	01 59 39.8
	E	59 46.0
FGU	EP	01 59 40.6
	E▸P	02 00 08.0
SLC	IP	01 59 47.5
	E▸P	02 15.7
	EPP	02 36.7
EUR	IP D	01 59 56.1
	IPP	02 02 43.0
BUT	IP	02 00 13.5
	E	00 46.5
SLD	IP D	02 00 04.8
	I▸P	00 32.5
BOZ	IP D	02 00 08.5
	E▸P	00 36.0
BMO	IP	02 00 20.8
HHM	IP D	02 00 25.3
NEW	IP	02 00 32.9
COL	EP	02 02 20.0
	EPP	06 29.6
MAR 11		
BMO	E(P)	02 20 21.1
MAR 11		
NEW	EP	02 30 03.0
MAR 11		
NEW	EP	03 06 20.0
MAR 11		
COL	EP	03 56 43.0
BRW	EP	03 56 46.6
BMO	E(P)	03 59 45.5
EUR	IP	04 00 19.2
MAR 11		
H-04 20 20.2		
30.1N 069.9E		
h ABOUT 29KM		
COL	EP	04 32 33.0
MAR 11		
BMO	E(P)	05 02 08.3
MAR 11		
BMO	E(P)	05 43 43.9
MAR 11		
BMO	E(P)	05 59 07.9
MAR 11		
HHM	IP C	06 16 07.0
NEW	EP	06 16 37.0
	ES	17 02.0
BMO	E(P)	06 17 09.4

Date and Station	Phase	(GCT)
		h m s
MAR 11		
H-06 20 48.6		
37.1N 115.1E		
h ABOUT 33KM		
BRW	EP C	06 30 16.5
COL	EP	06 30 51.5
HHM	EP	06 33 19.8
BMO	EP	06 33 26.8
EUR	EP	06 33 50.9
MAR 11		
H-06 22 43.6		
37.7N 114.8E		
h ABOUT 33KM		
BRW	EP	06 32 08.7
COL	EP	06 32 44.5
HHM	EP	06 35 11.8
BMO	EP	06 35 18.4
EUR	IP	06 35 42.9
FGU	EP C	06 35 50.0
MAR 11		
COL	IP	06 47 45.1
BMO	EP	06 52 20.5
MAR 11		
COL	IP	06 53 19.5
MAR 11		
H-07 54 17.1		
55.2S 126.6W		
h ABOUT 33KM		
TUC	EP	08 07 05.5
ALQ	IP	08 07 19.5
BCN	EP	08 07 21.0
SLD	EP	08 07 24.0
EUR	EP	08 07 36.0
BMO	E(P)	08 08 10.8
BRW	EP'	08 13 19.6
MAR 11		
BMO	E(P)	08 28 36.6
MAR 11		
BHP	EP	08 29 55.0
MAR 11		
H-08 36 45.8		
13.6S 167.3E		
h ABOUT 181KM		
BMO	EP	08 49 24.5

Date and Station	Phase (GCT)
	h m s
BLANK	

Date and Station	Phase (GCT)
	h m s
BLANK	

Date and Station	Phase (GCT)
	h m s
MAR 11	
COL EP	09 13 05.0
MAR 11	
H-09 30 44.3	
23.6S 069.4W	
h ABOUT 76KM	
SJG IP	09 38 23.0
TUC EP	09 41 38.1
EsP	42 07.6
GCA EP	09 42 04.4
EsP	42 34.0
BCN EP	09 42 09.0
EsP	42 37.0
CED EP	09 42 10.7
EpP	42 32.6
RCD E(P)	09 42 14.0
EpP	42 35.5
EsP	42 43.5
FGU EP	09 42 15.5
EpP	42 35.0
EsP	42 44.0
EUR IP	09 42 27.5
IsP	42 56.7
BOZ EP	09 42 41.0
E	43 04.5
BMO EP	09 42 52.1
HHM E(P)	09 43 02.2
EpP	43 18.4
MAR 11	
SLD EP	09 43 03.5
MAR 11	
H-09 49 27.2	
15.3N 104.5W	
h ABOUT 33KM	
TUC EP	09 53 34.2
ES	57 04.0
ALQ IP	09 53 55.8
IS	57 45.0
CED EP	09 54 23.6
GCA EP	09 54 26.5
BCN EP	09 54 27.5
FGU EP	09 54 57.3
SLC E(P)	09 54 58.3
I	55 04.8
EUR IP	09 55 00.2
SLD EP	09 55 02.5
RCD E(P)	09 55 22.0
BOZ EP	09 55 42.0
E	57 54.0

Date and Station	Phase (GCT)
	h m s
BMO EP	09 55 45.3
NEW EP	09 56 11.0
COL EP	09 59 15.0
MAR 11	
BCN EP	09 50 24.9
MAR 11	
BRW E(P)	09 59 44.5
MAR 11	
BMO EP	09 58 47.5
MAR 11	
H-10 24 20.3	
21.7N 095.4W	
h ABOUT 47KM	
ALQ EP	10 28 07.0
E	31 21.0
IL	32 02.0
TUC E(P)	10 28 19.3
GCA EP	10 28 59.0
BCN EP	10 29 14.0
E	29 23.4
FGU EP	10 29 18.2
I	29 29.5
RCD EP	10 29 24.0
E	29 40.0
SLC EP	10 29 29.3
I	29 41.3
EUR IP	10 29 42.5
BOZ E(P)	10 30 04.5
E	30 16.0
SJG E(P)	10 30 16.0
BMO EP	10 30 18.9
COL EP	10 33 47.1
BRW E(P)	10 34 26.4
EpP	34 40.4
MAR 11	
BMO E(P)	11 11 48.0
MAR 11	
BMO E(P)	12 18 41.4
MAR 11	
NEW EP	12 47 35.0
MAR 11	
BMO EP	13 37 01.7
MAR 11	
CED IP D	16 25 14.2
IS	25 26.5
BCN EP	16 25 26.5
I	25 30.2
EL	25 53.6

Date and Station	Phase	Phase (GCT) h m s
EUR	EP	16 26 10.0
	EL	27 21.5
MAR 11		
NEW	EP	17 06 32.0
MAR 11		
BMO	EP	17 23 23.2
MAR 11		
ALQ	IP	17 24 33.5
	I	25 09.0
MAR 11		
BMO	E(P)	17 27 07.4
MAR 11		
NEW	EP	17 52 32.0
MAR 11		
ALQ	IP	18 01 15.0
	I	01 50.2
MAR 11		
NEW	EP	18 09 31.0
MAR 11		
COL	EP	18 22 36.0
MAR 11		
NEW	E(P)	18 24 33.0
	I	25 14.0
MAR 11		
NEW	EP	18 31 00.0
MAR 11		
BMO	EP	18 32 47.4
MAR 11		
ALQ	IP	18 48 02.4
MAR 11		
NEW	EP	18 46 46.0
MAR 11		
BMO	E(P)	18 49 38.2
MAR 11		
CED	IP	18 54 55.2
	IS	55 07.8
MAR 11		
COL	EP	19 04 36.0
MAR 11		
BMO	EP	19 16 19.2
MAR 11		
EUR	E(P)	19 31 40.5
BMO	EP	19 32 05.4
MAR 11		
BMO	E(P)	19 47 57.0
MAR 11		
COL	EP	19 54 18.0
MAR 11		
H-20 01 44.1		
34.4N 024.3E		
h ABOUT 22KM		

Date and Station	Phase	Phase (GCT) h m s
BRW	IP D	20 13 24.2
COL	EP	20 13 58.4
HHM	IP C	20 14 42.0
NEW	IP	20 14 47.1
BOZ	EP	20 14 49.5
BMO	EP	20 15 00.6
EUR	EP	20 15 20.1
MAR 11		
NEW	EP	20 19 10.0
MAR 11		
NEW	EP	20 28 18.0
MAR 11		
BMO	EP	20 32 09.2
MAR 11		
FGU	EP	20 35 34.5
BMO	E(P)	20 36 14.6
MAR 11		
BMO	EP	20 47 30.6
MAR 11		
NEW	EP	20 51 05.0
BMO	EP	20 51 23.2
MAR 11		
CED	IP	21 03 43.8
	IS	04 03.0
MAR 11		
NEW	EP	21 06 15.0
MAR 11		
BMO	E(P)	21 17 44.0
MAR 11		
COL	IP	21 23 27.0
MAR 11		
EUR	IP	21 50 40.2
MAR 11		
NEW	E(P)	21 56 05.0
	I	56 47.0
ALQ	IP	21 56 28.4
	I	57 11.5
EUR	IP	21 57 27.2
BMO	EP	21 57 40.4
MAR 11		
BMO	EP	22 02 54.2
MAR 11		
BMO	E(P)	22 04 52.7
MAR 11		
ALQ	IP	22 16 50.4
MAR 11		
ALQ	IP	22 29 48.0

Date and Station	Phase	Phase (GCT) h m s
MAR 11		
BMO	E(P)	22 39 25.1
MAR 11		
BMO	E(P)	22 43 27.9
MAR 11		
H-23 13 27.6		
28.4N 043.9W		
h ABOUT 33KM		
ALQ	EP	23 22 40.4
FGU	EP	23 22 51.0
TUC	E(P)	23 23 12.4
NEW	IP	23 23 22.7
EUR	IP C	23 23 29.2
	EPCP	24 16.6
BCN	EP	23 23 29.9
	I	23 45.0
BMO	EP	23 23 30.4
COL	E(P)	23 24 33.0
MAR 11		
H-23 15 42.8		
28.3N 043.9W		
h ABOUT 33KM		
ALQ	IP	23 24 58.8
FGU	EP	23 25 06.8
BOZ	EP	23 25 12.0
GCA	EP	23 25 25.0
TUC	E(P)	23 25 27.0
NEW	IP	23 25 38.3
BMO	E(P)	23 25 42.5
EUR	EP C	23 25 44.8
	IPCP	26 32.1
COL	IP	23 26 55.1
BRW	EP	23 26 55.2
MAR 11		
GCA	EP	23 16 25.2
MAR 11		
H-23 18 50.0		
28.3N 044.0W		
h ABOUT 33KM		
ALQ	IP	23 28 06.4
FGU	EP	23 28 14.3
	E	28 19.5
BOZ	EP	23 28 20.0
TUC	E(P)	23 28 34.0
NEW	IP	23 28 45.5

Date and Station	Phase	Phase (GCT) h m s
BMO	E(P)	23 28 46.6
EUR	IP C	23 28 51.8
	EPCP	29 39.8
COL	EP	23 30 02.0
MAR 11		
COL	EP	23 29 46.0
MAR 11		
H-23 36 42.6		
28.4N 044.0W		
h ABOUT 33KM		
RCD	E(P)	23 45 29.0
ALQ	IP	23 45 58.0
FGU	EP	23 46 06.0
BOZ	EP	23 46 13.5
SLC	EP	23 46 20.3
HHM	E(P)	23 46 21.9
TUC	E(P)	23 46 26.0
NEW	EP	23 46 37.0
BMO	E(P)	23 46 41.9
EUR	IP	23 46 44.0
BCN	EP	23 46 44.8
BRW	E(P)	23 47 40.0
COL	EP	23 47 54.0
MAR 11		
BMO	EP	23 37 11.0
MAR 11		
COL	EP	23 52 22.0
MAR 12		
BMO	EP	00 32 46.0
MAR 12		
H-00 53 22.7		
14.9N 092.7W		
h ABOUT 60KM		
ALQ	IP	00 58 28.2
	I	59 16.0
TUC	E(P)	00 58 31.3
BCN	EP	00 59 17.7
FGU	EP	00 59 25.0
EUR	IP	00 59 44.0
BOZ	EP	01 00 07.7
BMO	E(P)	01 00 12.0
COL	EP	01 03 37.0

Date and Station	Phase (GCT)
	h m s
MAR 12	
H-01 05 33.3	
30.9S 178.5W	
h ABOUT 84KM	
SLD EP	01 18 07.0
BCN EP	01 18 22.5
TUC IP D	01 18 24.4
EUR IP	01 18 28.8
GCA EP	01 18 35.0
BMO EP	01 18 40.7
ALQ EP	01 18 44.4
FGU EP	01 18 50.7
NEW EP	01 18 51.0
COL IP	01 19 00.0
MAR 12	
BMO E(P)	01 35 27.4
MAR 12	
BMO E(P)	02 27 33.4
MAR 12	
BMO E(P)	04 25 22.2
MAR 12	
BMO EP	05 13 53.4
MAR 12	
BMO E(P)	05 31 46.7
MAR 12	
BMO E(P)	06 33 47.5
MAR 12	
COL EP	06 39 05.0
MAR 12	
H-06 58 37.6	
31.6S 067.2W	
h ABOUT 127KM	
TUC EP	07 10 10.5
E▸P	10 43.0
ALQ IP	07 10 11.2
I▸P	10 44.0
I▸P	10 55.0
GCA EP	07 10 34.2
E▸P	11 06.9
BCN EP	07 10 38.5
E▸P	11 11.0
FGU EP	07 10 44.8
E▸P	11 18.5
EUR IP D	07 10 55.0
I▸P	11 27.9
BOZ EP	07 11 08.5
E▸P	11 41.5

Date and Station	Phase (GCT)
	h m s
BUT IP	07 11 12.5
E	11 41.5
BMO IP	07 11 17.4
HHM EP	07 11 22.8
E▸P	11 54.9
MAR 12	
COL EP	07 41 41.0
MAR 12	
BMO E(P)	07 51 06.2
MAR 12	
H-08 01 49.9	
34.2S 070.2W	
h ABOUT 129KM	
EUR EP	08 14 09.8
BMO E(P)	08 14 33.4
MAR 12	
H-08 10 36.1	
34.1S 070.3W	
h ABOUT 132KM	
EUR E(P)	08 22 55.0
MAR 12	
EUR EP	08 33 10.1
TUC EP	08 33 10.2
BMO EP	08 33 20.9
COL IP	08 33 33.3
MAR 12	
EUR EP	08 49 25.0
BMO E(P)	08 49 36.6
COL IP	08 49 53.0
MAR 12	
BMO IP	09 05 03.9
HHM E(P)	09 05 31.9
EL	06 41.9
EUR EP	09 05 46.9
EL	06 55.5
MAR 12	
SJG IP	09 43 56.5
IS	44 48.0
MAR 12	
EUR EP	09 53 54.6
MAR 12	
BMO E(P)	09 56 46.6
MAR 12	
BMO E(P)	11 03 32.3
MAR 12	
BRW E(P)	11 18 04.5
COL IP	11 18 41.4

Date and Station	Phase (GCT)
	h m s
MAR 12	
TUC E(P)	11 20 52.2
BMO EP	11 21 09.6
MAR 12	
CED IP	11 46 05.0
IS	46 21.5
MAR 12	
H-12 09 05.4	
30.3S 178.9W	
h ABOUT 210KM	
BCN EP	12 21 39.4
TUC IP D	12 21 41.0
EUR IP	12 21 45.1
BMO EP	12 21 56.7
MAR 12	
BMO EP	12 27 52.9
MAR 12	
H-12 43 50.5	
54.0N 164.1W	
h ABOUT 33KM	
COL E(P)	12 47 03.5
BRW E(P)	12 48 02.1
EUR IP	12 50 44.4
MAR 12	
H-13 26 21.4	
34.9N 116.4W	
h ABOUT 4KM	
CED IP D	13 26 40.3
IS	27 52.7
BCN IP	13 26 52.7
I	26 56.0
IL	27 20.0
GCA E(P)	13 27 27.0
EL	28 48.0
EUR EP	13 27 34.0
I	27 50.8
IL	28 47.0
TUC E(P)	13 27 43.0
MAR 12	
GCA EP	14 01 35.7
MAR 12	
COL EP	14 08 38.0
MAR 12	
GCA EP	14 08 56.1
E	09 03.5
MAR 12	
H-14 19 35.6	
15.0S 173.6W	
h ABOUT 19KM	
BCN EP	14 31 19.0

Date and Station	Phase (GCT)
	h m s
TUC EP	14 31 24.9
EUR IP	14 31 25.5
BMO EP	14 31 36.8
SLC EP	14 31 44.8
NEW EP	14 31 48.0
ALQ IP	14 31 49.5
FGU EP	14 31 52.5
HHM EP	14 31 56.2
COL IP	14 31 56.4
BOZ EP	14 31 57.5
MAR 12	
BMO EP	14 21 11.3
MAR 12	
H-14 26 57.7	
15.6S 173.0W	
h ABOUT 33KM	
SLD EP	14 38 18.2
BCN IP	14 38 40.0
TUC EP	14 38 45.5
EUR IP	14 38 46.5
BMO EP	14 38 57.8
SLC EP	14 39 04.9
NEW EP	14 39 08.0
ALQ IP	14 39 10.6
FGU EP	14 39 13.8
BUT EP	14 39 16.3
COL IP	14 39 17.2
HHM EP	14 39 17.8
MAR 12	
BMO E(P)	15 07 43.0
MAR 12	
COL EP	15 30 54.0
MAR 12	
BMO EP	15 33 27.3
MAR 12	
H-15 35 35.9	
22.6S 176.6W	
h ABOUT 66KM	
TUC E(P)	15 47 57.7
EUR EP	15 47 59.5
BMO EP	15 48 11.1
ALQ EP	15 48 18.5

Date and Station	Phase	Phase (GCT) h m s
COL	IP	15 48 27.9
MAR 12		
UKI	EP	15 44 08.8
MAR 12		
BMO	E(P)	16 13 35.3
NEW	EP	16 14 08.0
MAR 12		
BHP	IP	16 18 11.0
	IS	20 47.0
MAR 12		
H-16 31 20.6		
24.2N 122.6E		
h ABOUT 48KM		
GUA	IP	16 36 29.0
	IS	40 22.0
BRW	IP C	16 41 51.1
	I	42 01.9
	I	44 38.4
	ES	50 04.4
	EP'P'	17 10 57.7
COL	IP C	16 42 16.5
	IPP	44 54.8
	IS	51 19.0
	IL	17 01 59.0
	EP'P'	10 43.5
KIP	EP	16 42 43.6
	ES	52 09.0
HON	IP	16 42 45.2
	IS	52 14.2
SIT	EP	16 43 06.7
	ES	52 56.0
HHM	IP C	16 44 26.0
UKI	EP	16 44 26.5
BMO	IP	16 44 27.2
BUT	EP	16 44 35.3
	E	47 28.8
	EPP	48 16.8
	ES	55 20.0
SLD	IP C	16 44 37.2
	I	44 49.0
	ISKS	55 09.2
	IS	55 56.8
	EPPS	57 35.5
BOZ	IP C	16 44 39.5
	E	44 47.0
	E	46 31.0
EUR	IP C	16 44 46.2
	IPP	48 45.5
	ES	55 42.5
	EPKKP	17 01 21.5
SLC	IP	16 44 53.3
CED	EP C	16 44 56.0
	EPP	48 57.9
	ESKS	55 37.0
	EPKKP	17 01 19.5
	EP'P'	09 56.5
FGU	IP D	16 44 58.8
	ESKS	55 30.5
	PKKP	17 01 30.5
	EP'P'	09 38.5
	P'P'P'	30 41.0
BCN	IP C	16 44 59.5
	EPP	48 53.5
	ISKS	55 30.2
	IPS	57 56.5
	E	17 02 39.0
	P'P'	09 38.0
	EL	17 36.5
	P'P'P'	31 06.6
RCD	EP	16 45 03.0
	E	45 13.0
	EPKKP	17 01 26.0
GCA	EP C	16 45 05.0
	IPP	49 15.5
	ESKS	55 40.5
	EPKKP	17 01 26.0
	EP'P'	09 49.0
TUC	EP	16 45 20.6
	EPP	49 32.2
ALQ	IP	16 45 25.5
	IPP	49 33.8
	ISKS	56 05.8
CHK	EP	16 45 43.0
	PP	50 17.8
	SKS	56 17.0
ALQ	EP'	16 49 50.0
PHI	EP'	16 50 51.0
WSC	EP'	16 49 54.1
SJG	EP	16 47 50.0
	IP'	50 31.0
	EPP	53 24.0
	ESKP	54 17.6
	ESS	17 11 22.0
BHP	IP'	16 50 40.0
MAR 12		
H-16 59 23.2		
36.8N 121.5W		
h ABOUT 9KM		
SLD	I(P)	16 59 30.9
	IS	59 36.9
MAR 12		
HHM	EP	17 15 13.2
BMO	E(P)	17 16 07.8
MAR 12		
BMO	E(P)	17 30 28.4
MAR 12		
BMO	EP	17 43 39.2
MAR 12		
NEW	IP	17 53 14.1
BMO	EP	17 53 23.0
MAR 12		
BMO	EP	17 58 09.3
MAR 12		
H-17 59 35.6		
24.2N 122.6E		
h ABOUT 51KM		
BRW	EP	18 10 06.7
	I	10 40.7
COL	EP	18 10 31.0
SIT	E(P)	18 11 20.8
NEW	IP	18 12 33.5
HHM	IP C	18 12 41.3
BMO	EP	18 12 42.6
BUT	E(P)	18 12 44.8
BOZ	EP	18 12 54.0
FGU	EP	18 13 14.2
MAR 12		
H-18 04 13.1		
37.1N 116.1W		
h ABOUT 0KM		
BCN	IP C	18 04 41.4
CED	EP	18 05 03.0
GCA	IP	18 05 11.0
	I	05 19.5
	IL	06 05.0
SLC	E(P)	18 05 31.2
	I	05 42.0
ALQ	E(P)	18 06 10.5
BMO	EPN	18 06 10.6
NEW	EP	18 06 59.0
MAR 12		
BOZ	E(P)	18 08 55.0
MAR 12		
HHM	E(P)	18 10 09.9
MAR 12		
H-18 13 39.3		
23.6N 122.9E		
h ABOUT 49KM		
BRW	EP	18 24 14.0
COL	IP	18 24 37.2
NEW	IP	18 26 39.4
HHM	IP	18 26 47.3
BMO	EP	18 26 48.3
MAR 12		
H-18 26 34.1		
34.4S 072.4W		
h ABOUT 38KM		
SJG	I(P)	18 35 39.0
ALQ	E(P)	18 38 07.0
TUC	EP	18 38 16.0
BCN	EP	18 38 45.0
FGU	EP	18 38 54.0
BMO	EP	18 39 24.8
HHM	E(P)	18 39 24.8
NEW	E(P)	18 39 45.0
MAR 12		
BMO	E(P)	18 31 25.1
MAR 12		
FGU	E(P)	18 42 48.5
MAR 12		
ALQ	E(P)	18 45 11.0
MAR 12		
BCN	EP	18 51 04.1
EUR	E(P)	18 51 14.0
CED	E(P)	18 51 26.5
ALQ	E(P)	18 51 36.0
GCA	E(P)	18 51 42.0
	EL	52 28.0
SLC	EP	18 52 11.5
	E	53 24.0
FGU	E(P)	18 52 17.8
BMO	EP	18 52 45.0
MAR 12		
BMO	EP	18 58 27.0
MAR 12		
H-19 13 56.2		
24.0N 122.9E		
h ABOUT 33KM		
BRW	EP	19 24 32.0
COL	EP	19 24 55.0
NEW	EP	19 26 56.0
MAR 12		
H-19 17 06.7		
24.9N 122.7E		
h ABOUT 43KM		
BRW	EP	19 27 36.2
COL	EP	19 28 00.0

Date and Station	Phase (GCT)
	h m s
NEW EP	19 30 01.0
HHM EP	19 30 10.2
BMO EP	19 30 10.5
MAR 12	
H-19 22 59.9	
23.9N 122.9E	
h ABOUT 51KM	
BRW EP	19 33 33.5
NEW IP	19 35 58.5
HHM EP C	19 36 07.0
BMO EP	19 36 07.5
MAR 12	
HHM E(P)	19 26 41.8
E	27 09.8
BMO EP	19 26 48.2
MAR 12	
NEW IP	19 42 06.6
HHM EP	19 42 15.2
BMO EP	19 42 16.0
MAR 12	
BMO EP	20 04 24.2
COL EP	20 06 52.0
MAR 12	
H-20 08 56.6	
24.1N 122.3E	
h ABOUT 100KM	
HHM EP	20 21 56.3
BMO E(P)	20 22 08.9
MAR 12	
H-20 31 46.5	
24.0N 122.6E	
h ABOUT 78KM	
COL EP	20 42 39.0
NEW EP	20 44 41.0
HHM E(P)	20 44 47.8
BMO EP	20 44 50.0
MAR 12	
NEW EP	20 40 14.0
HHM EP	20 40 23.0
BMO EP	20 40 24.5
MAR 12	
H-20 41 39.6	
24.2N 122.6E	
h ABOUT 125KM	
COL EP	20 52 27.0
NEW EP	20 54 28.0
HHM EP	20 54 35.8
BMO EP	20 54 37.7
MAR 12	
H-20 51 46.4	
23.6N 122.8E	
h ABOUT 36KM	
NEW IP	21 04 48.1
HHM EP	21 04 55.3
BMO EP	21 04 57.5
EUR EP	21 05 16.2
MAR 12	
H-20 57 06.0	
24.0N 122.7E	
h ABOUT 93KM	
COL EP	21 07 58.0
NEW IP	21 09 58.2
HHM EP	21 10 06.2
E	10 14.3
BMO EP	21 10 07.4
MAR 12	
BMO EP	21 00 14.2
BRW EP	21 00 47.8
COL EP	21 00 52.0
MAR 12	
BRW EP	21 16 40.5
COL EP	21 17 48.3
MAR 12	
FGU EP	21 26 01.0
MAR 12	
H-21 42 21.6	
23.9N 122.7E	
h ABOUT 64KM	
NEW EP	21 55 18.0
E	56 10.0
BMO EP	21 55 27.1
MAR 12	
BMO EP	21 52 27.9
MAR 12	
H-22 04 24.8	
24.0N 122.8E	
h ABOUT 101KM	
COL EP	22 15 16.0
NEW EP	22 17 16.0
HHM EP	22 17 23.8
E	17 35.0
BMO EP	22 17 25.2
MAR 12	
H-22 18 30.3	
23.6N 122.6E	
h ABOUT 21KM	
COL EP	22 29 33.0
NEW EP	22 31 34.0
BMO EP	22 31 43.3
MAR 12	
BMO E(P)	22 33 22.6
MAR 12	
BMO E(P)	22 47 25.6
MAR 12	
H-22 47 31.8	
39.3N 005.9E	
h ABOUT 33KM	
BRW E(P)	22 58 36.7
COL EP	22 59 07.0
HHM EP	22 59 26.8
NEW EP	22 59 35.0
FGU E(P)	22 59 45.0
BMO EP	22 59 50.0
EUR EP	23 00 09.0
MAR 12	
BMO EP	22 56 21.6
HHM E(P)	22 56 35.8
MAR 12	
ALQ E(P)	23 15 45.0
MAR 12	
H-23 33 07.9	
23.7N 122.6E	
h ABOUT 59KM	
COL EP	23 44 06.0
NEW EP	23 46 06.0
BMO EP	23 46 14.3
HHM EP	23 46 17.3
EUR EP	23 46 38.0
MAR 12	
NEW EP	23 38 06.0
ES	38 19.0
BMO EP	23 38 38.9
MAR 12	
NEW EP	23 47 18.0
ES	47 37.0
MAR 12	
BMO E(P)	23 56 36.5
MAR 13	
H-00 49 14.1	
24.0N 122.5E	
h ABOUT 58KM	
COL EP	01 00 15.0
NEW IP	01 02 11.0
I	02 25.0
HHM EP C	01 02 19.0
BMO EP	01 02 20.2
EUR EP	01 02 40.0
MAR 13	
BMO E(P)	00 55 22.0
MAR 13	
BMO EP	00 58 01.3
MAR 13	
EUR EP	01 02 40.7
MAR 13	
H-01 36 34.0	
28.3N 043.8W	
h ABOUT 33KM	
RCD E(P)	01 45 22.0
ALQ IP	01 45 50.6
FGU EP C	01 45 58.8
I	46 04.8
BOZ EP	01 46 06.2
TUC E(P)	01 46 19.2
E	46 25.2
NEW IP	01 46 30.0
EUR EP	01 46 36.6
IPCP	47 24.1
BCN EP	01 46 37.0
BMO EP	01 46 37.8
COL IP	01 47 46.5
MAR 13	
BMO E(P)	02 37 01.0
MAR 13	
NEW EP	02 54 53.0
BMO EP	02 55 02.2
MAR 13	
H-03 05 38.9	
24.3N 122.7E	
h ABOUT 84KM	
NEW EP	03 18 32.0
BMO EP	03 18 40.1
MAR 13	
BMO EP	03 39 52.0

Date and Station	Phase	Phase (GCT) h m s
MAR 13		
H-03 57 29.2		
24.0N 122.8E		
h ABOUT 58KM		
NEW	EP	04 10 26.0
BMO	EP	04 10 33.3
HHM	EP	04 10 33.8
MAR 13		
H-04 11 17.6		
23.7N 122.9E		
h ABOUT 56KM		
COL	EP	04 22 15.0
NEW	EP	04 24 16.0
BMO	EP	04 24 24.2
MAR 13		
BMO	E(P)	04 16 51.8
MAR 13		
H-04 30 52.6		
23.8N 122.4E		
h ABOUT 37KM		
COL	E(P)	04 41 53.0
NEW	I(P)	04 43 54.0
	E	44 06.0
HHM	EP	04 44 02.0
BMO	EP	04 44 03.4
MAR 13		
H-04 55 33.0		
24.1N 122.7E		
h ABOUT 70KM		
COL	EP	05 06 28.0
NEW	EP	05 08 28.0
HHM	EP	05 08 33.8
BMO	EP	05 08 36.4
MAR 13		
BMO	EP	04 57 10.5
MAR 13		
EUR	E(P)	05 05 37.1
MAR 13		
BMO	EP	05 38 40.4
MAR 13		
H-05 42 03.9		
24.0N 122.7E		
h ABOUT 43KM		
NEW	IP	05 55 02.8
HHM	EP	05 55 10.5
	E*P	55 21.8
BMO	EP	05 55 11.8
MAR 13		
BMO	EP	06 09 04.2
MAR 13		
BMO	EP	06 41 21.4
MAR 13		
BMO	E(P)	07 33 52.3
MAR 13		
HHM	E(P)	07 47 20.3
MAR 13		
H-08 02 45.7		
24.1N 122.5E		
h ABOUT 60KM		
BRW	E(P)	08 13 16.5
COL	EP	08 13 41.7
NEW	IP	08 15 42.3
HHM	IP	08 15 50.0
	E	16 02.3
BMO	EP	08 15 51.7
EUR	IP	08 16 10.7
MAR 13		
BMO	E(P)	08 36 37.2
MAR 13		
BMO	EP	08 40 00.8
EUR	IP	08 40 20.2
MAR 13		
BMO	EP	09 21 03.3
MAR 13		
BMO	EP	09 30 36.9
MAR 13		
H-09 39 40.0		
17.0N 100.8W		
h ABOUT 56KM		
TUC	E(P)	09 43 43.0
	EL	48 58.0
ALQ	IP	09 43 53.8
BCN	EP	09 44 39.5
FGU	EP	09 45 00.5
EUR	IP	09 45 10.5
BOZ	EP	09 45 45.5
BMO	EP	09 45 53.8
HHM	EP	09 46 13.0
COL	IP	09 49 23.2
MAR 13		
ALQ	IP	09 49 29.5
MAR 13		
H-10 01 27.7		
17.8N 100.7W		
h ABOUT 116KM		
ALQ	EP	10 05 29.5
BCN	EP	10 06 14.2
FGU	E(P)	10 06 35.5
EUR	EP	10 06 45.0
BMO	EP	10 07 28.9
MAR 13		
COL	E(P)	11 02 19.0
MAR 13		
TUC	E(P)	11 10 51.5
BCN	EP	11 11 18.5
	EL	12 33.0
EUR	E	11 12 41.5
MAR 13		
BCN	E(P)	11 14 45.0
	E	15 59.5
MAR 13		
BMO	EP	11 21 34.0
FGU	I(P)	11 21 52.7
	IL	22 18.0
GCA	EPG	11 22 13.6
	ELG	22 48.5
MAR 13		
BMO	EP	11 35 41.4
MAR 13		
BMO	EP	12 08 35.3
MAR 13		
BCN	E(P)	12 08 36.0
MAR 13		
COL	EP	12 38 06.0
MAR 13		
BMO	EP	12 47 52.5
MAR 13		
BMO	E(P)	13 32 55.8
MAR 13		
ALQ	IP	13 37 45.0
GCA	EP	13 38 01.4
	I	38 10.5
	IL	39 02.3
BMO	EP	13 38 26.4
MAR 13		
BCN	E(P)	13 40 31.5
MAR 13		
ALQ	IP	13 45 08.2
MAR 13		
BMO	EP	13 56 52.3
NEW	EP	13 56 53.0
MAR 13		
BMO	EP	14 25 21.8
MAR 13		
BMO	E(P)	14 38 22.5
MAR 13		
H-14 53 46.6		
23.8N 122.8E		
h ABOUT 40KM		
BRW	E(P)	15 04 27.2
COL	EP	15 04 44.0
NEW	EP	15 06 46.0
HHM	EP	15 06 54.7
BMO	EP	15 06 56.0
MAR 13		
BMO	E(P)	15 04 33.0
MAR 13		
H-15 41 16.4		
35.4N 118.4W		
h ABOUT 7KM		
CED	IP	15 41 42.8
	I	41 44.0
	IS	42 01.8
SLD	EP	15 42 02.5
	IS	42 39.0
BCN	EP	15 42 04.3
	E	42 13.0
	EL	42 53.0
EUR	EP	15 42 32.3
	I	42 42.2
	IL	43 40.3
MAR 13		
H-16 14 34.3		
08.8S 119.4E		
h ABOUT 33KM		
BMO	EP'	16 33 23.9
MAR 13		
BOZ	IP	16 20 12.0
	IL	20 20.0
BMO	EP	16 21 04.5
MAR 13		
ALQ	E(P)	16 37 05.0
MAR 13		
BMO	EP	17 09 35.3
MAR 13		
H-17 58 34.5		
55.5S 126.5W		
h ABOUT 33KM		
TUC	EP	18 11 21.0
	ES	22 07.0
CED	E(P)	18 11 30.6

Date and Station	Phase (GCT)
	h m s
ALQ IP	18 11 37.5
BCN EP	18 11 41.0
E	12 04.5
GCA EP	18 11 46.5
EUR IP	18 11 54.8
FGU EP	18 12 04.0
COL EP'	18 17 25.0
BRW EP'	18 17 39.4
MAR 13	
HHM E(P)	18 02 07.7
BMO EP	18 02 13.5
MAR 13	
BMO E(P)	18 12 51.0
MAR 13	
BHP EP	18 34 08.0
MAR 13	
BMO E(P)	18 39 30.8
MAR 13	
H-18 40 40.9	
20.9S 175.5W	
h ABOUT 66KM	
KIP IP	18 48 54.5
I	49 10.6
I	49 40.5
CED EP	18 52 32.6
E▸P	52 50.1
BCN EP D	18 52 48.2
I▸P	53 06.3
TUC EP	18 52 52.2
E▸P	53 10.4
EUR EP C	18 52 54.0
I▸P	53 10.7
E	54 43.0
GCA IP	18 53 02.9
I▸P	53 21.0
BMO IP	18 53 06.1
SLC IP	18 53 11.5
I	53 16.0
I▸P	53 29.0
ALQ IP	18 53 15.4
I	53 31.6
NEW EP	18 53 16.0
FGU EP	18 53 19.4
E▸P	53 36.0
COL IP	18 53 24.9
BOZ EP	18 53 25.5
E▸P	53 43.0
HHM EP	18 53 26.0

Date and Station	Phase (GCT)
	h m s
RCD E(P)	18 53 45.5
BRW E(P)	18 53 49.3
MAR 13	
H-19 01 48.6	
24.2N 123.3E	
h ABOUT 33KM	
COL EP	19 12 46.0
NEW EP	19 14 46.0
HHM EP	19 14 50.0
BMO EP	19 14 56.0
MAR 13	
BMO E(P)	19 11 21.0
MAR 13	
BMO E(P)	19 19 25.2
MAR 13	
BMO EP	19 26 46.7
MAR 13	
H-19 35 51.8	
38.9N 021.6E	
h ABOUT 15KM	
BMO E(P)	19 48 40.9
MAR 13	
BMO E(P)	19 47 01.1
MAR 13	
BMO E(P)	19 58 13.7
MAR 13	
BMO E(P)	20 03 38.8
MAR 13	
BMO E(P)	20 12 05.2
MAR 13	
NEW EP	20 41 06.0
BMO E(P)	20 42 15.9
MAR 13	
BMO EP	20 49 44.8
MAR 13	
BMO E(P)	21 04 43.5
MAR 13	
FGU EP	21 33 29.8
MAR 13	
NEW EP	21 45 06.0
MAR 13	
H-21 46 23.2	
14.2N 088.4W	
h ABOUT 36KM	
TUC E(P)	21 52 05.2
FGU EP	21 52 51.6
EUR IP	21 53 13.8
BOZ IP	21 53 32.0

Date and Station	Phase (GCT)
	h m s
BMO EP	21 53 48.1
HHM E(P)	21 54 02.3
NEW IP	21 54 07.2
COL IP	21 56 54.9
MAR 13	
H-21 47 52.1	
20.5S 175.4W	
h ABOUT 31KM	
TUC EP	22 00 05.6
GCA EP	22 00 17.0
ALQ IP	22 00 29.8
MAR 13	
BMO EP	21 55 52.1
MAR 13	
FGU E(P)	22 13 54.0
MAR 13	
H-22 18 39.0	
23.9N 122.7E	
h ABOUT 59KM	
COL EP	22 29 37.0
NEW EP	22 31 34.0
BMO EP	22 31 45.8
FGU E(P)	22 32 14.2
MAR 13	
TUC E(P)	23 05 25.0
EUR E(P)	23 05 34.0
BMO E(P)	23 05 38.0
NEW EP	23 06 24.0
MAR 13	
BMO EP	23 06 33.8
MAR 13	
BMO E(P)	23 29 21.7
MAR 14	
FGU I(P)	00 22 55.0
EL	23 41.5
MAR 14	
COL EP	00 29 48.0
MAR 14	
BMO E(P)	00 31 17.1
MAR 14	
BMO E(P)	00 54 01.4
MAR 14	
TUC EP	01 48 43.0
BMO E(P)	01 51 41.0
MAR 14	
COL EP	02 43 30.0

Date and Station	Phase (GCT)
	h m s
MAR 14	
BMO E(P)	02 45 11.5
MAR 14	
BMO EP	03 01 30.3
MAR 14	
BMO E(P)	03 02 21.8
MAR 14	
BMO EP	03 07 43.2
MAR 14	
H-03 21 31.9	
1.1N 027.8W	
h ABOUT 24KM	
RCD E(P)	03 33 34.0
ALQ EP	03 33 41.0
FGU EP	03 33 56.2
GCA EP	03 34 05.2
SLC E(P)	03 34 06.1
E	34 12.9
BOZ EP	03 34 07.0
E▸P	34 15.0
HHM EP	03 34 15.0
E▸P	34 23.0
BCN E(P)	03 34 16.0
EUR IP	03 34 21.6
BMO EP	03 34 26.0
MAR 14	
COL EP	03 37 08.0
BMO E(P)	03 39 28.7
MAR 14	
BMO EP	03 39 46.0
MAR 14	
BMO EP	03 43 55.5
MAR 14	
H-04 01 37.6	
23.6N 122.6E	
h ABOUT 34KM	
COL EP	04 12 39.0
NEW EP	04 14 40.0
BMO E(P)	04 14 46.6
MAR 14	
BMO E(P)	04 13 28.0
MAR 14	
H-04 42 50.4	
32.5N 097.5E	
h ABOUT 33KM	
COL IP	04 54 03.2
HHM EP	04 56 11.0

Date and Station	Phase	Phase (GCT) h m s
BMO	EP	04 56 22.3
MAR 14		
BRW	EP	04 54 12.3
MAR 14		
BMO	E(P)	05 05 31.1
MAR 14		
ALQ	IP	05 05 37.4
	IS	06 03.2
GCA	E(P)	05 05 46.5
	EL	06 55.0
MAR 14		
BMO	EP	05 32 44.6
MAR 14		
ALQ	E(P)	05 40 13.0
EUR	EP	05 41 37.3
	E	41 57.7
MAR 14		
COL	EP	06 27 24.4
MAR 14		
H-06 38 04.5		
36.9N 141.0E		
h ABOUT 56KM		
GUA	I(P)	06 43 15.0
BRW	IP	06 46 30.7
	E>P	46 45.7
COL	IP	06 46 51.3
NEW	IP	06 49 15.0
HHM	EP	06 49 26.0
	E>P	49 41.3
BMO	EP	06 49 26.3
BOZ	IP	06 49 42.7
EUR	IP C	06 49 49.5
	I>P	50 05.7
BCN	EP	06 50 05.0
	E>P	51 21.5
FGU	EP	06 50 06.2
RCD	EP	06 50 13.5
TUC	EP	06 50 30.0
	E>P	50 46.5
ALQ	IP	06 50 35.6
MAR 14		
BMO	E(P)	06 59 47.0
MAR 14		
COL	EP	07 08 12.0
MAR 14		
COL	IP	07 33 08.6
HHM	EP	07 35 17.2
MAR 14		
BMO	E(P)	07 57 31.4
MAR 14		
BMO	E(P)	08 25 54.3
MAR 14		
COL	E(P)	08 58 30.4
NEW	EP	09 01 07.0
MAR 14		
H-09 21 49.1		
23.8N 122.3E		
h ABOUT 40KM		
GUA	EP	09 26 59.0
COL	IP	09 32 48.5
NEW	IP	09 34 49.0
	I	35 00.0
BMO	EP	09 34 57.6
MAR 14		
BMO	E(P)	09 27 25.2
MAR 14		
BMO	EP	10 08 42.3
MAR 14		
BMO	EP	10 21 53.8
MAR 14		
BMO	E(P)	10 24 20.7
MAR 14		
BMO	E(P)	10 33 43.6
MAR 14		
BMO	E(P)	11 08 58.6
MAR 14		
BMO	E(P)	11 25 58.8
MAR 14		
H-11 48 39.9		
08.3N 104.1W		
h ABOUT 33KM		
TUC	EP	11 54 00.5
EUR	IP	11 55 13.0
FGU	E(P)	11 55 17.0
BMO	EP	11 55 58.4
NEW	EP	11 56 24.0
MAR 14		
FGU	E(P)	11 57 32.0
	EL	58 33.0
MAR 14		
EUR	E(P)	11 58 34.0
COL	EP	11 59 51.0
MAR 14		
BMO	E(P)	12 31 32.7
MAR 14		
GCA	E(P)	12 57 11.5
	IL	58 09.0
ALQ	IP	12 57 51.8
	I	57 53.6
	I	59 03.5
TUC	E(P)	12 57 57.5
MAR 14		
EUR	EP	12 58 45.2
	EL	13 00 18.0
GCA	E(P)	12 59 17.0
	IL	13 00 18.5
MAR 14		
H-13 18 53.4		
00.3N 125.2E		
h ABOUT 100KM		
COL	EP	13 31 36.0
MAR 14		
EUR	EP	13 22 38.0
MAR 14		
TUC	EP	13 28 56.0
	EL	30 06.5
ALQ	IP	13 29 58.4
	I	31 29.0
MAR 14		
H-14 04 22.1		
30.9S 179.9W		
h ABOUT 396KM		
TUC	E(P)	14 16 42.5
EUR	IP	14 16 47.8
MAR 14		
H-14 08 40.4		
39.1N 021.4E		
h ABOUT 39KM		
COL	E(P)	14 20 31.2
MAR 14		
H-15 11 00.9		
34.1N 117.2W		
h ABOUT 19KM		
CED	IP	15 11 07.0
MAR 14		
EUR	IP	15 14 00.8
MAR 14		
BHP	IP	15 56 03.0
MAR 14		
COL	IP	16 10 24.9
MAR 14		
BMO	IPN	16 55 51.8
BOZ	E(P)	16 56 17.5
	E	58 05.0
HHM	EP	16 56 23.0
	IL	57 14.0
MAR 14		
COL	IP	17 00 02.8
MAR 14		
NEW	EP	17 55 45.0
	I	55 47.0
	IS	56 14.0
MAR 14		
BMO	EP	17 58 20.7
MAR 14		
CED	IP	18 01 01.0
MAR 14		
COL	IP	18 07 38.6
MAR 14		
COL	EP	18 12 54.0
MAR 14		
EUR	IP	18 16 36.9
MAR 14		
EUR	EP	18 33 05.5
MAR 14		
COL	EP	18 43 41.0
EUR	IP	18 46 48.8
MAR 14		
GUA	EP	18 49 45.0
MAR 14		
H-19 09 04.2		
24.0N 122.9E		
h ABOUT 33KM		
HHM	E(P)	19 22 04.7
BMO	E(P)	19 22 18.4
MAR 14		
H-19 34 24.3		
04.0S 152.9E		
h ABOUT 19KM		
BMO	EP	19 47 37.2
MAR 14		
CED	EP	19 53 58.7
	IS	54 12.7
MAR 14		
ALQ	IP	20 18 30.8
	I	18 51.8
MAR 14		
COL	EP	20 41 07.5
MAR 14		
KIP	EP	21 30 28.7
MAR 14		
BMO	EP	21 38 22.5
MAR 14		
COL	EP	21 50 13.0
HHM	E(P)	21 53 02.0

Date and Station	Phase (GCT)
	h m s
MAR 14	
H-21 57 42.5	
.5N 125.5E	
h ABOUT 37KM	
COL EP	22 10 31.0
ALQ EP'	22 16 33.0
MAR 14	
EUR EP	22 29 33.0
E	29 54.5
MAR 14	
ALQ IP	22 40 03.6
MAR 14	
BMO E(P)	22 57 01.0
ALQ EP	22 58 28.0
MAR 14	
H-23 28 53.1	
6.0N 146.3E	
h ABOUT 16KM	
GUA IP	23 30 46.0
IS	32 07.0
COL EP	23 40 31.5
NEW EP	23 41 53.0
BMO EP	23 41 55.3
EUR IP	23 42 04.5
MAR 14	
COL EP	23 30 37.0
MAR 14	
GUA EP	23 36 59.0
ES	40 13.0
MAR 14	
EUR IP	23 44 12.2
MAR 14	
BMO EP	23 47 50.3
MAR 15	
GCA IP C	00 22 04.7
IS	22 16.1
EUR IP	00 22 52.8
EL	23 40.0
MAR 15	
BMO EP	00 38 34.6
MAR 15	
COL I(P)	02 01 36.5
MAR 15	
COL EP	03 27 24.6
IS	27 51.6
MAR 15	
BMO E(P)	03 58 54.0
MAR 15	
COL EP	04 18 43.0

Date and Station	Phase (GCT)
	h m s
MAR 15	
H-04 48 51.9	
14.0S 167.1E	
h ABOUT 290KM	
EUR E(P)	05 01 15.5
BMO EP	05 01 18.7
MAR 15	
ALQ EP	05 04 31.0
MAR 15	
ALQ EP	05 09 07.0
I	13 03.6
TUC E(P)	05 09 41.0
E	10 56.7
MAR 15	
COL IP	05 13 22.7
MAR 15	
COL IP	05 17 21.2
MAR 15	
COL IP	06 31 54.2
MAR 15	
BMO E(P)	06 46 00.5
COL IP	06 46 45.8
MAR 15	
COL EP	07 11 27.3
MAR 15	
COL E(P)	08 49 04.7
NEW EP	08 52 17.0
BMO EP	08 52 26.3
MAR 15	
H-09 14 29.4	
30.0N 069.8E	
h ABOUT 35KM	
COL EP	09 26 42.0
MAR 15	
NEW EP	10 53 09.0
BMO EP	10 53 18.0
COL EP	10 53 52.0
MAR 15	
BMO E(P)	10 56 26.7
MAR 15	
BMO E(P)	10 59 06.7
MAR 15	
COL IP	11 00 48.1
MAR 15	
BMO EP	11 03 21.6
MAR 15	
H-11 14 00.5	
24.2N 122.7E	
h ABOUT 60KM	

Date and Station	Phase (GCT)
	h m s
COL IP	11 24 54.9
BRW EP	11 25 04.8
NEW IP	11 26 56.2
E	27 10.0
BMO EP	11 27 05.2
HHM I(P)	11 27 14.0
E	27 17.7
BOZ EP	11 27 17.5
EUR IP	11 27 24.2
FGU EP	11 27 37.0
MAR 15	
TUC E(P)	11 23 04.5
MAR 15	
ALQ EP	11 31 51.8
MAR 15	
ALQ IP	12 48 18.5
MAR 15	
NEW EP	13 30 59.0
HHM EP	13 31 06.0
MAR 15	
BMO E(P)	15 25 19.7
MAR 15	
H-15 40 59.4	
26.2S 028.0E	
h ABOUT 34KM	
BMO IP'	16 00 42.8
EUR IP'	16 00 43.2
MAR 15	
H-16 10 25.4	
22.1S 179.4W	
h ABOUT 591KM	
TUC EP	16 22 01.5
COL IP	16 22 21.9
MAR 15	
BMO EP	16 24 58.6
COL IP	16 25 47.6
MAR 15	
H-16 32 35.9	
25.1S 179.8E	
h ABOUT 503KM	
BMO E(P)	16 44 27.5
TUC EP	16 44 30.8
MAR 15	
RCD E(P)	17 34 04.5
MAR 15	
BMO EP	17 59 21.9

Date and Station	Phase (GCT)
	h m s
MAR 15	
ALQ IP	18 04 05.6
MAR 15	
BMO E(P)	18 13 40.4
MAR 15	
GCA IP D	18 16 35.8
EL	18 28.0
MAR 15	
COL EP	18 55 58.0
MAR 15	
EUR IP	18 59 56.1
MAR 15	
ALQ IP	19 57 33.0
MAR 15	
BMO EP	20 09 17.9
MAR 15	
SJG EP	20 34 42.0
I	35 03.4
MAR 15	
GUA EP	20 43 24.0
ES	47 32.0
MAR 15	
CED IP	21 54 20.5
IS	54 35.6
MAR 15	
ALQ IP	22 31 13.4
MAR 15	
BMO EP	22 36 50.7
MAR 15	
NEW EP	22 49 37.0
IS	49 57.0
MAR 15	
H-23 09 33.6	
02.6S 140.2E	
h ABOUT 33KM	
COL EP	23 22 06.0
MAR 15	
EUR EP	23 24 10.1
MAR 15	
H-23 31 48.0	
24.2N 122.6E	
h ABOUT 35KM	
BRW EP	23 42 20.5
IPCP	42 56.0
COL EP	23 42 46.0
NEW IP	23 44 47.0
HHM IP C	23 44 55.0
BMO EP	23 44 56.3
BUT EP	23 45 05.7
BOZ E(P)	23 45 08.5

Date and Station	Phase (GCT)
	h m s
EUR IP	23 45 15.8
MAR 15	
H-23 44 27.6	
18.0S 178.2W	
h ABOUT 606KM	
EUR IP	23 55 44.8
TUC EP	23 55 45.5
BMO IP	23 55 54.3
NEW E(P)	23 56 03.0
COL IP	23 56 03.8
ALQ I(P)	23 56 07.2
MAR 15	
BMO EP	23 57 18.1
MAR 16	
COL EP	00 25 54.0
MAR 16	
COL E(P)	01 10 33.0
MAR 16	
NEW IP	01 18 44.8
IS	18 53.0
MAR 16	
COL IP	01 21 31.2
MAR 16	
BMO E(P)	01 49 47.0
MAR 16	
BMO E(P)	02 40 24.7
MAR 16	
COL EP	03 00 34.0
MAR 16	
COL EP	03 18 33.0
MAR 16	
COL EP	03 33 03.0
MAR 16	
GUA EP	04 02 13.0
ES	06 06.0
MAR 16	
BOZ IP	04 15 54.0
E	16 26.0
MAR 16	
H-04 34 34.7	
15.8N 094.0W	
h ABOUT 93KM	
ALQ EP	04 39 24.6
TUC EP	04 39 28.0
FGU E(P)	04 40 13.0
E	40 21.5
EUR IP	04 40 40.4
BMO EP	04 41 18.3

Date and Station	Phase (GCT)
	h m s
MAR 16	
BMO E(P)	04 43 03.6
NEW E(P)	04 43 56.0
E	45 18.0
EUR EP	04 44 13.0
MAR 16	
H-06 47 19.3	
8.6S 168.7E	
h ABOUT 33KM	
COL EP	06 59 27.0
MAR 16	
H-07 27 22.6	
50.1N 177.7W	
h ABOUT 33KM	
COL EP	07 32 12.0
EUR EP	07 35 27.8
MAR 16	
BRW EP	08 23 08.8
MAR 16	
H-10 38 29.2	
34.3N 046.1E	
h ABOUT 33KM	
COL EP	10 50 38.0
MAR 16	
EUR EP	10 46 09.0
EL	46 41.0
MAR 16	
NEW IP	10 54 56.4
IS	55 11.0
HHM IP D	10 55 04.0
IL	55 23.0
BOZ EP	10 55 38.6
MAR 16	
H-10 58 53.9	
6.2S 149.1E	
h ABOUT 57KM	
COL IP	11 11 21.2
BRW EP	11 11 25.2
EUR EP	11 12 25.6
MAR 16	
SJG EP	11 55 35.5
IL	56 26.5
MAR 16	
H-12 13 01.7	
21.2S 174.3W	
h ABOUT 60KM	
KIP EP	12 21 14.4
SLD EP	12 24 47.7
BCN EP	12 25 07.8

Date and Station	Phase (GCT)
	h m s
TUC EP	12 25 10.0
E	25 21.0
EUR IP C	12 25 13.5
E	26 11.0
GCA EP	12 25 22.0
BMO IP	12 25 26.3
ALQ EP	12 25 33.4
NEW IP	12 25 36.6
E	26 10.0
FGU EP	12 25 38.0
HHM EP	12 25 44.0
BOZ IP	12 25 44.5
RCD E(P)	12 26 04.0
BRW EP D	12 26 10.3
MAR 16	
H-13 27 14.7	
47.4N 011.5E	
h ABOUT 2KM	
BMO EP	13 39 14.1
MAR 16	
EUR IP	14 40 22.1
MAR 16	
GUA IP	15 28 28.0
MAR 16	
SJG E(P)	15 31 33.1
IS	32 18.7
IL	32 33.5
MAR 16	
GUA EP	16 02 35.0
MAR 16	
H-16 57 45.0	
13.2N 120.8E	
h ABOUT 72KM	
BRW EP	17 09 21.7
COL EP	17 09 41.0
MAR 16	
H-17 40 27.9	
29.9N 069.8E	
h ABOUT 13KM	
COL EP	17 52 44.0
MAR 16	
COL EP	17 43 53.9
MAR 16	
BMO E(P)	18 09 45.4
EUR EP	18 10 07.5
MAR 16	
H-18 21 09.4	
36.9N 121.5W	
h ABOUT 2KM	

Date and Station	Phase (GCT)
	h m s
SLD IP C	18 21 17.8
IS	21 23.5
EUR EP	18 22 45.0
EL	23 55.0
MAR 16	
H-18 24 03.8	
36.9N 121.5W	
h ABOUT 2KM	
SLD I(P)	18 24 12.0
IS	24 17.7
EUR IP	18 25 45.2
EL	26 48.0
MAR 16	
BMO EP	18 49 07.8
MAR 16	
EUR IP	19 54 12.2
BMO EP	19 55 59.4
MAR 16	
ALQ I(P)	20 10 49.2
MAR 16	
BMO EP	20 18 16.0
MAR 16	
ALQ IP	20 24 43.2
MAR 16	
H-20 38 23.7	
09.6N 122.1E	
h ABOUT 23KM	
BRW E(P)	20 50 22.5
COL EP	20 50 44.5
MAR 16	
BMO EP	21 18 18.8
MAR 16	
BMO EP	22 02 36.2
MAR 16	
BMO EP	22 24 08.0
MAR 16	
COL IP	22 24 27.7
MAR 16	
ALQ E(P)	22 48 16.0
BMO EP	22 49 56.2
MAR 16	
COL IP	23 11 48.8
MAR 16	
EUR E(P)	23 35 14.0
MAR 17	
BMO EP	00 46 26.3
MAR 17	
BMO EP	01 10 26.0
MAR 17	
COL IP	01 11 17.2

Date and Station	Phase (GCT)
	h m s
MAR 17	
BMO EP	01 45 44.2
MAR 17	
BMO EP	02 02 57.8
MAR 17	
EUR E(P)	02 08 54.2
MAR 17	
ALQ E(P)	02 51 16.5
BMO EP	02 51 44.7
MAR 17	
COL IP	03 05 23.2
BMO E(P)	03 08 12.7
EUR EP	03 08 45.7
TUC EP	03 09 32.5
MAR 17	
BMO EP	03 13 59.4
MAR 17	
H-03 57 27.1	
2.0N 126.4E	
h ABOUT 76KM	
COL EP	04 10 02.0
BMO EP	04 11 38.3
EUR EP'	04 15 52.5
IPP	16 27.9
ALQ EP'	04 16 09.7
MAR 17	
BMO EP	04 03 12.7
MAR 17	
BMO EP	04 19 31.9
MAR 17	
CED IP	04 29 26.3
IS	29 39.3
MAR 17	
COL EP	05 23 18.0
MAR 17	
H-05 44 47.7	
31.6N 082.9E	
h ABOUT 11KM	
COL IP	05 56 37.6
MAR 17	
BMO EP	05 57 24.9
MAR 17	
BMO EP	06 46 51.6
MAR 17	
H-07 50 22.0	
14.5S 172.8W	
h ABOUT 33KM	
BCN EP	08 01 59.5
GCA EP	08 02 14.8
BMO EP	08 02 16.6
COL EP	08 02 37.0
MAR 17	
H-08 07 18.5	
08.1S 122.2E	
h ABOUT 33KM	
BMO EP'	08 26 02.3
EUR EP'	08 26 08.8
MAR 17	
H-08 19 17.5	
04.7S 148.4E	
h ABOUT 181KM	
COL EP	08 31 25.0
MAR 17	
BCN EP	09 44 46.6
IL	45 14.0
EUR IP	09 44 50.0
EL	45 20.5
MAR 17	
H-10 59 02.6	
19.4S 070.5W	
h ABOUT 50KM	
EUR IP	11 10 28.1
BMO EP	11 10 51.0
MAR 17	
COL EP	11 38 14.0
MAR 17	
H-11 47 50.0	
41.7N 111.5W	
h ABOUT 45KM	
SLC IP D	11 48 04.7
IS	48 16.5
FGU IP C	11 48 17.9
IL	48 42.2
BOZ EP	11 48 49.0
I	48 52.0
EL	49 42.0
EUR IP	11 48 49.2
BUT EP	11 48 58.1
EL	49 59.1
GCA IP	11 49 00.2
I	49 14.0
IL	50 12.5
BMO EPN	11 49 07.0
EL	50 30.0
RCD EP	11 49 23.0
E	49 28.5
EL	51 09.0
BCN EP	11 49 23.5
I	50 00.0
IL	51 09.0
HHM IP	11 49 32.0
I	49 49.5
IL	51 17.0
ALQ E(P)	11 49 40.0
NEW EP	11 49 41.0
I	50 09.0
EL	51 44.0
TUC E(P)	11 50 06.8
EL	52 37.0
SLD E(P)	11 50 09.0
IL	52 21.5
COL IP	11 54 05.5
MAR 17	
TUC E(P)	12 43 12.7
MAR 17	
TUC E(P)	13 02 32.5
MAR 17	
H-14 04 13.2	
08.8N 103.7W	
h ABOUT 33KM	
TUC E(P)	14 09 29.0
EUR EP	14 10 42.5
BMO EP	14 11 26.5
NEW EP	14 11 56.0
MAR 17	
H-15 50 33.1	
21.1S 179.2W	
h ABOUT 639KM	
HON IP	15 58 07.6
IS	16 04 18.0
ISCS	07 01.2
KIP IP D	15 58 10.1
I	59 12.8
IPCP	59 30.7
I	16 00 45.8
GUA EP	15 58 27.7
E(S)	16 04 52.0
SLD IP D	16 01 38.0
IS	10 52.5
UKI EP	16 01 38.0
ES	10 53.0
CED IP D	16 01 42.7
E▸P	03 55.6
ES	11 05.7
EP'P'	28 26.7
BCN IP D	16 01 57.5
I	02 36.5
E▸P	04 14.0
I▸P	05 19.5
E	07 13.0
ES	11 26.2
PKKP	20 14.5
EP'P'	28 18.0
ISKPP'	30 43.0
EUR IP D	16 02 01.0
I▸P	04 16.5
E(▸P)	05 21.5
E	06 33.4
E	08 13.1
ISKS	11 23.5
IS	11 37.0
EPKKP	20 06.0
EP'P'	28 12.5
ESKPP'	30 41.0
P'P'P'	48 43.3
TUC IP D	16 02 02.0
E	02 14.0
ESKS	11 27.0
EPKKP	20 10.0
EP'P'	28 12.0
SIT EP	16 02 09.0
GCA IP D	16 02 10.0
E▸P	04 27.5
ESKS	11 35.5
IS	11 59.0
BMO IP	16 02 11.3
E▸P	04 25.5
NEW IP	16 02 20.0
E▸P	04 31.0
COL IP D	16 02 21.5
I	02 36.5
ISKS	12 07.5
E	19 15.5
EP'P'	28 02.8
P'P'P'	48 48.5
ALQ IP	16 02 21.8
E▸P	04 37.4
ES	12 20.0
BUT EP	16 02 22.6
I	02 26.7
I▸P	04 44.2
ESKS	11 59.1
FGU IP D	16 02 25.0
I▸P	04 42.3
IPP	06 07.0
ISKS	11 57.0
IS	12 27.7
ISP	13 37.5
SLC E(P)	16 02 27.2
E▸P	04 36.5
I(S)	12 10.5
HHM IP	16 02 28.0
E	02 37.0
E▸P	04 45.0
EPP	06 13.0
ESKS	12 01.0
EPKKP	19 53.4
EP'P'	28 03.4
BOZ IP D	16 02 29.2
I▸P	04 42.6
E▸P	05 50.0
E	09 10.0
E	11 20.0
ESKS	12 02.0
IS	12 34.5
EP'P'	27 44.0

Date and Station	Phase (GCT)
	h m s
BRW IP D	16 02 41.8
IPP	06 36.7
ESKS	12 20.4
EPKKP	19 50.3
RCD IP D	16 02 50.0
E	03 30.0
E	12 16.0
SJG IP'	16 08 07.5
IPP	09 29.3
I	10 01.0
ISKP	10 45.0
ISKS	14 03.0
ISKKKS	15 19.9
I	15 50.5
ES	16 24.0
ESP	18 16.0
IPKKP	18 36.8
MAR 17	
COL EP	17 13 53.0
MAR 17	
COL EP	17 16 17.0
MAR 17	
COL EP	17 35 49.0
MAR 17	
BOZ EP	17 46 36.0
MAR 17	
H-19 38 10.8	
1.8N 126.2E	
h ABOUT 53KM	
BRW IP	19 50 38.5
MAR 17	
COL EP	19 41 26.0
MAR 17	
ALQ EP	19 57 41.6
E	58 17.0
MAR 17	
COL E(P)	22 18 17.0
MAR 17	
H-22 25 17.9	
55.0N 161.6E	
h ABOUT 33KM	
BRW EP	22 30 32.4
COL EP	22 30 53.0
BMO EP	22 34 13.4
EUR IP	22 34 47.0
MAR 18	
COL EP	00 50 42.0
BRW EP	00 51 04.7
ES	52 22.0
MAR 18	
H-01 10 26.6	
28.4N 043.9W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
ALQ IP	01 19 42.2
SLC EP	01 20 04.8
NEW IP	01 20 21.3
BMO EP	01 20 25.8
EUR IP	01 20 27.9
COL EP	01 21 37.0
MAR 18	
GUA IP	01 25 38.0
ES	25 54.0
MAR 18	
BMO EP	01 37 47.4
EUR EP	01 37 59.1
MAR 18	
BMO EP	01 58 45.2
MAR 18	
COL EP	02 25 58.0
MAR 18	
COL E(P)	02 30 40.5
MAR 18	
COL EP	03 00 32.0
MAR 18	
BMO E(P)	03 31 48.7
MAR 18	
BMO EP	04 02 52.4
MAR 18	
EUR IP	05 24 31.7
I	24 43.1
MAR 18	
BMO EP	06 19 00.6
MAR 18	
BMO EP	06 33 36.1
MAR 18	
H-09 19 11.3	
20.3S 177.8W	
h ABOUT 518KM	
BMO EP	09 30 53.2
COL IP	09 31 05.5
MAR 18	
BMO EP	10 13 55.8
MAR 18	
H-10 44 10.6	
30.0N 069.9E	
h ABOUT 38KM	
COL EP	10 56 23.0
MAR 18	
H-14 14 12.4	
51.6N 174.5W	
h ABOUT 35KM	
COL IP	14 18 33.4

Date and Station	Phase (GCT)
	h m s
BRW EP	14 18 59.1
BMO E(P)	14 21 27.9
HHM EP	14 21 29.8
BOZ EP	14 21 52.5
EUR IP	14 21 59.0
BCN E(P)	14 22 32.9
MAR 18	
BMO E(P)	14 20 53.0
MAR 18	
HON E(P)	14 51 16.8
MAR 18	
H-15 24 54.9	
3.8S 150.5E	
h ABOUT 33KM	
GUA E(P)	15 29 07.0
E(S)	32 03.0
COL EP	15 37 11.0
BRW EP	15 37 12.5
MAR 18	
COL EP	16 06 24.0
BRW E(P)	16 06 59.6
MAR 18	
BMO E(P)	16 21 08.4
MAR 18	
COL IP	16 37 48.7
BRW E(P)	16 39 20.0
BMO EP	16 42 20.5
MAR 18	
CED IP	17 08 08.0
IS	08 25.8
MAR 18	
H-17 08 40.2	
11.4S 066.4E	
h ABOUT 33KM	
BMO EP'	17 28 18.0
EUR IP'	17 28 34.0
MAR 18	
ALQ IP	17 56 40.4
I	57 16.6
BMO EP	17 57 46.8
MAR 18	
H-18 05 23.6	
43.7N 127.3W	
h ABOUT 33KM	
UKI E(P)	18 06 45.0
BMO IP	18 07 08.4

Date and Station	Phase (GCT)
	h m s
SLD IP	18 07 20.4
IS	08 59.0
EL	10 17.0
NEW EP	18 07 24.0
EUR EP	18 07 43.5
IS	09 34.2
HHM EP	18 07 52.0
EL	11 03.0
BOZ EP	18 08 05.5
I	08 07.5
CED EP	18 08 17.1
BCN EP	18 08 21.8
EL	13 06.0
SLC E(P)	18 08 22.5
E	09 07.5
FGU EP	18 08 35.0
GCA E(P)	18 08 47.0
TUC E(P)	18 09 26.0
EL	12 43.0
RCD E(P)	18 09 26.0
E	12 50.0
ALQ IP	18 09 37.2
E	09 47.4
COL EP	18 10 37.0
BRW EP	18 11 40.0
MAR 18	
H-18 11 07.5	
60.4N 146.4W	
h ABOUT 17KM	
COL IP	18 12 18.4
IL	14 03.0
BRW IP	18 13 54.9
EL	17 16.2
NEW IP	18 15 49.3
HHM EP	18 16 03.0
BMO EP	18 16 15.6
BOZ EP	18 16 34.2
EUR IP D	18 17 01.7
EPCP	20 13.0
SLD IP	18 17 02.8
BCN EP	18 17 33.0
CED EP	18 17 37.1
TUC EP	18 18 14.3
MAR 18	
CED EP	18 42 07.9

Date and Station	Phase (GCT)
	h m s
BCN E(P)	18 42 17.6
I	42 31.5
IL	43 24.5
EUR E(P)	18 43 35.8
EL	45 05.9
MAR 18	
H-19 00 00.0	
37.0N 116.0W	
h ABOUT 0KM	
BCN IP C	19 00 26.6
EUR IP	19 00 41.5
GCA IP C	19 00 57.0
SLD IP C	19 01 06.5
IL	02 14.5
SLC EP	19 01 23.5
TUC EP	19 01 35.6
EL	03 19.0
FGU EP	19 01 41.5
I	02 00.0
CED EP	19 01 47.6
ALQ IP	19 01 59.0
I	02 38.0
E	04 07.0
BMO EP	19 01 59.2
BOZ E(P)	19 02 16.0
BUT E(P)	19 02 17.3
HHM E(P)	19 02 47.3
NEW E(P)	19 02 48.0
E	06 05.0
COL IP	19 06 44.0
MAR 18	
H-19 08 42.2	
49.8N 155.5E	
h ABOUT 33KM	
BRW EP	19 14 54.0
COL IP	19 15 13.9
BMO E(P)	19 18 19.9
MAR 18	
BMO EP	19 24 09.7
MAR 18	
H-20 03 40.0	
37.0N 116.0W	
h ABOUT 0KM	
BCN EP	20 04 04.5
EUR IP	20 04 20.5
GCA E(P)	20 04 41.5
EL	05 31.0

Date and Station	Phase (GCT)
	h m s
TUC E(P)	20 05 20.8
E	07 02.6
BMO E(P)	20 05 41.7
ALQ EP	20 05 55.5
MAR 18	
COL EP	20 13 03.0
MAR 18	
SJG E(P)	20 33 37.5
IL	25 18.5
MAR 18	
BMO E(P)	20 39 44.9
MAR 18	
H-20 46 20.9	
20.6S 169.6E	
h ABOUT 89KM	
BCN EP	20 59 16.5
EUR IP	20 59 18.8
TUC EP	20 59 23.0
BMO EP	20 59 25.0
SJG IP'	21 05 15.0
MAR 18	
EUR E(P)	21 29 20.2
MAR 18	
ALQ IP	21 33 38.2
MAR 18	
BRW EP	21 39 10.5
MAR 18	
H-21 55 56.4	
13.3N 090.9W	
h ABOUT 40KM	
TUC E(P)	22 01 29.8
BCN EP	22 02 15.0
E▸P	02 25.0
FGU EP	22 02 20.3
EUR IP	22 02 42.0
BMO EP	22 03 17.9
COL EP	22 06 29.0
MAR 18	
BMO EP	22 47 43.3
MAR 18	
H-23 37 05.3	
15.0N 093.6W	
h ABOUT 30KM	
ALQ IP	23 42 10.2
TUC EP	23 42 13.0
FGU EP	23 43 07.0
EUR IP	23 43 25.8

Date and Station	Phase (GCT)
	h m s
BMO EP	23 44 04.6
COL IP	23 47 21.1
BRW E(P)	23 48 02.7
MAR 18	
BMO E(P)	23 46 29.8
MAR 19	
EUR IP	00 02 09.2
EL	02 49.0
MAR 19	
SLC EP	00 12 17.0
MAR 19	
FGU EP	00 33 14.7
MAR 19	
BMO EP	00 58 52.8
MAR 19	
HHM E(P)	01 06 56.0
NEW IP	01 07 00.6
IS	07 18.0
BMO EP	01 07 40.9
MAR 19	
BMO EP	01 19 54.5
MAR 19	
H-01 23 36.7	
44.3N 129.2W	
h ABOUT 33KM	
BMO EP	01 25 38.6
NEW EP	01 25 48.0
EUR IP	01 26 16.0
HHM EP	01 26 19.0
BOZ EP	01 26 36.0
E	26 48.0
FGU EP	01 27 07.0
TUC E(P)	01 27 55.0
RCD E(P)	01 27 55.0
ALQ EP	01 28 08.0
MAR 19	
H-01 55 39.8	
50.4N 177.7E	
h ABOUT 33KM	
BMO EP	02 03 39.3
MAR 19	
EUR IP	03 06 23.6
MAR 19	
FGU EP	05 05 44.8
BMO EP	05 05 54.4
EUR E(P)	05 06 00.0
I	06 07.2

Date and Station	Phase (GCT)
	h m s
MAR 19	
FGU EP	06 00 42.0
MAR 19	
H-06 10 48.8	
57.8N 152.9W	
h ABOUT 13KM	
COL IP	06 12 41.1
NEW EP	06 15 57.0
HHM EP	06 16 12.3
BMO EP	06 16 17.5
EUR EP	06 16 58.7
ALQ IP	06 18 11.0
MAR 19	
COL E(P)	07 20 38.9
MAR 19	
H-08 11 46.3	
43.2N 145.8E	
h ABOUT 61KM	
BRW IP C	08 19 11.8
COL IP C	08 19 35.0
E	19 45.0
NEW IP	08 22 11.5
HHM IP	08 22 22.0
E▸P	22 38.8
BMO IP	08 22 24.5
BOZ IP	08 22 41.7
EUR IP	08 22 51.0
E▸P	23 07.9
SLC EP	08 22 59.7
E▸P	23 16.2
E	25 16.1
CED EP	08 23 05.5
BCN IP C	08 23 09.2
I▸P	23 25.2
RCD E(P)	08 23 14.0
TUC EP	08 23 36.0
ALQ IP	08 23 41.5
MAR 19	
TUC EP	08 15 22.0
MAR 19	
SLC IP	08 35 08.9
EUR IP	08 35 15.2
HHM EP	08 35 17.3
E	35 22.5
BMO EP	08 35 17.9

Date and Station	Phase	Phase (GCT) h m s
MAR 19		
NEW	E(P)	09 31 50.0
MAR 19		
H-09 33 43.8		
62.4N 151.2W		
h ABOUT 86KM		
COL	IP	09 34 29.2
BRW	IP	09 35 55.3
	E(S)	37 38.8
NEW	IP	09 38 48.2
HHM	EP	09 39 00.3
	E	39 15.1
BMO	EP	09 39 11.7
EUR	EP	09 39 57.0
	E	43 15.0
FGU	EP	09 40 09.8
TUC	E(P)	09 41 07.6
MAR 19		
BMO	EP	11 50 52.0
MAR 19		
EUR	IP	12 24 25.5
MAR 19		
FGU	EP	13 12 52.0
MAR 19		
COL	EP	13 32 57.8
MAR 19		
H-13 42 27.4		
9.3S 159.1E		
h ABOUT 33KM		
GUA	E(P)	13 48 04.0
COL	IP	13 54 52.6
BRW	E(P)	13 55 15.2
BMO	EP	13 55 34.6
EUR	EP	13 55 35.0
	I	55 46.6
BCN	EP	13 55 37.0
	E	55 46.1
NEW	EP	13 55 38.0
MAR 19		
HON	E(P)	14 07 02.0
MAR 19		
H-14 21 55.3		
33.2N 116.2W		
h ABOUT 14KM		
CED	IP	14 22 19.3
	I(S)	22 35.3
BCN	EP	14 22 42.5
	I	22 51.5
	IL	23 30.0
TUC	EP	14 23 06.5
	EL	24 34.0
GCA	IP	14 23 17.0
	I	23 37.4
	IL	24 40.5
SLD	E(P)	14 23 20.9
	IS	24 25.0
EUR	IP	14 23 28.8
	I	23 51.7
	IL	25 11.1
ALQ	IP	14 24 01.0
FGU	E	14 24 56.0
	EL	26 52.0
MAR 19		
H-14 51 52.7		
52.7S 019.8E		
h ABOUT 33KM		
BCN	EP'	15 11 24.0
SLC	IP'	15 11 29.2
BOZ	EP'	15 11 32.5
EUR	IP'	15 11 32.8
BUT	EP'	15 11 36.6
BMO	EP'	15 11 36.7
HHM	EP'	15 11 37.0
	I	11 41.3
	I	12 44.9
NEW	EP'	15 11 44.0
	E	12 38.0
MAR 19		
H-14 59 36.4		
23.9N 122.8E		
h ABOUT 39KM		
COL	EP	15 10 36.0
MAR 19		
BRW	EP	15 12 35.1
MAR 19		
H-16 29 09.7		
24.5S 180.0W		
h ABOUT 500KM		
BCN	E(P)	16 40 58.3
TUC	EP	16 41 02.4
EUR	EP	16 41 03.0
	E	41 52.5
BMO	EP	16 41 14.2
ALQ	EP	16 41 22.8
COL	IP	16 41 26.0
FGU	EP	16 41 27.0
MAR 19		
TUC	E(P)	16 31 09.5
H-16 59 41.9		
37.4N 114.9E		
h ABOUT 33KM		
BRW	IP	17 09 08.4
COL	IP	17 09 44.9
NEW	EP	17 12 04.0
BMO	EP	17 12 19.2
EUR	EP	17 12 43.3
FGU	EP	17 12 51.7
MAR 19		
H-17 09 04.8		
52.8S 020.1E		
h ABOUT 33KM		
TUC	EP'	17 28 27.5
ALQ	EP'	17 28 28.4
FGU	EP'	17 28 36.0
BCN	EP'	17 28 40.0
SLC	IP'	17 28 41.2
BOZ	EP'	17 28 45.0
EUR	IP'	17 28 45.2
BUT	EP'	17 28 47.1
	E	29 19.1
HHM	EP'	17 28 49.0
	E	28 53.5
BMO	EP'	17 28 49.5
SLD	EP'	17 28 52.5
MAR 19		
H-17 10 32.6		
53.2S 020.6E		
h ABOUT 38KM		
ALQ	IP'	17 29 57.0
TUC	EP'	17 29 59.5
BCN	EP'	17 30 09.0
SLC	IP'	17 30 10.2
BOZ	EP'	17 30 14.0
EUR	EP'	17 30 14.3
BMO	EP'	17 30 18.5
SLD	IP'	17 30 19.5
HHM	EP'	17 30 23.0
	I	30 37.3
MAR 19		
HHM	EP	17 12 49.0
MAR 19		
BRW	EP	17 29 47.4
MAR 19		
BCN	EP'	17 32 03.0
EUR	E(P')	17 32 09.5
BMO	EP'	17 32 13.3
HHM	EP'	17 32 18.0
BUT	EP'	17 32 25.5
BRW	EP'	17 33 10.8
	E	33 17.3
MAR 19		
H-17 16 41.2		
52.8S 19.9E		
h ABOUT 33KM		
ALQ	IP'	17 36 04.2
TUC	E(P')	17 36 05.2
GCA	E(P')	17 36 08.0
FGU	EP'	17 36 11.0
BCN	EP'	17 36 13.5
SLC	IP'	17 36 16.2
BOZ	EP'	17 36 21.0
BUT	EP'	17 36 21.1
	E	37 11.1
EUR	EP'	17 36 21.2
	I	36 23.0
	IPP	38 35.3
SLD	EP'	17 36 22.5
BMO	EP'	17 36 24.5
HHM	EP'	17 36 25.0
	E	36 28.8
NEW	EP'	17 36 33.0
BRW	E(P')	17 36 33.5
	IP'	37 22.7
	I	37 30.9
COL	E(P')	17 36 45.7
MAR 19		
BMO	E(P)	17 43 33.8
MAR 19		
BMO	EP	17 51 23.6
COL	EP	17 51 38.0
MAR 19		
BRW	EP	17 54 56.1
	E	55 05.9
COL	EP	17 55 29.0
MAR 19		
HHM	E(P)	17 58 03.3

Date and Station	Phase (GCT)
	h m s
BMO EP	17 58 04.1
MAR 19	
EUR E(P)	18 02 20.9
BMO EP	18 02 24.3
HHM EP	18 02 29.2
E	02 36.7
MAR 19	
BMO EP	18 10 10.6
COL IP	18 10 22.4
MAR 19	
CED IP	18 21 46.3
IS	22 08.0
MAR 19	
HHM E(P)	19 06 04.0
MAR 19	
COL EP	20 41 17.0
MAR 19	
COL IP	21 16 11.7
MAR 19	
BMO EP	21 21 47.6
MAR 19	
EUR EP	22 00 50.6
MAR 19	
COL EP	22 10 25.0
MAR 19	
COL IP	22 15 03.5
MAR 19	
COL IP	22 28 57.2
MAR 19	
ALQ IP	22 29 27.8
I	30 09.0
MAR 19	
COL EP	22 35 38.5
MAR 19	
BMO EP	23 09 41.1
MAR 19	
TUC E(P)	23 35 08.6
EL	36 01.0
CED E(P)	23 35 21.0
BCN E(P)	23 35 33.0
E	35 57.0
EL	37 00.0
ALQ EP	23 36 22.0
GCA E(P)	23 35 55.5
EL	37 36.0
BMO E(P)	23 37 57.8
MAR 19	
BMO IP	23 55 51.0

Date and Station	Phase (GCT)
	h m s
MAR 20	
EUR EP	00 06 39.6
MAR 20	
BUT EP	00 39 22.1
I	39 27.6
EL	39 55.1
BOZ IP	00 39 44.0
IL	39 51.0
BZM EP	00 39 45.6
HHM EP	00 40 28.2
EL	41 27.0
BMO EPN	00 40 36.0
EUR EP	00 41 21.0
E	42 47.0
MAR 20	
H-01 42 49.8	
00.7N 029.8E	
h ABOUT 24KM	
SJG E(P)	01 56 16.0
PHI E(P)	01 56 40.0
SKS	02 07 31.3
WSC EPP	02 00 10.7
BHP E(P)	01 57 20.0
CHK E(P)	01 57 21.8
PP	02 01 41.8
SKS	08 03.8
GUA EPP	02 02 25.0
BRW EP'	02 00 39.3
IPP	01 38.7
EPKKP	12 20.1
COL EP'	02 01 29.0
IPP	02 25.0
IPKKP	12 10.0
IPS	12 16.0
ESKKP	16 06.5
BUT EP'	02 01 38.1
EPP	03 22.6
ESKP	05 23.1
EP'P'	20 05.1
RCD EP'	02 01 40.2
E	01 44.0
ALQ EP'	02 01 41.8
I	01 54.3
BOZ IP'	02 01 44.5
EPP	03 12.0
ESKP	05 09.0
HHM IP'	02 01 45.0
I	01 49.2
EPP	03 11.2
E	11 43.0

Date and Station	Phase (GCT)
	h m s
FGU EP'	02 01 47.0
IP'	01 50.7
EPP	03 32.0
E	11 39.0
E	14 44.0
NEW EP'	02 01 48.0
EPP	03 20.0
EUR EP'	02 01 48.9
IP'	02 00.9
IPP	04 13.0
E	08 12.5
ESP	13 40.5
ESKKP	14 37.5
TUC EP'	02 01 49.2
E	02 03.0
BMO EP'	02 01 50.8
SLC EP'	02 01 53.0
EP'	01 57.1
EPP	03 42.2
GCA IP'	02 01 59.0
EPP	04 02.0
BCN EP'	02 02 00.0
IP'	02 05.0
EPP	04 16.5
ESKP	05 36.7
IPPP	07 04.0
SLD EP'	02 02 00.0
IP'	02 10.0
EPP	04 36.5
HON EP'	02 02 47.9
E	10 29.4
MAR 20	
CED IP	02 16 17.3
IS	16 29.0
MAR 20	
COL EP	02 23 00.0
BMO E(P)	02 26 28.6
MAR 20	
BMO E(P)	02 35 42.0
MAR 20	
H-02 39 40.4	
01.1N 030.0E	
h ABOUT 16KM	
BMO EP'	02 58 42.9
MAR 20	
H-03 22 46.9	
00.9N 030.0E	
h ABOUT 33KM	
BOZ EP'	03 41 44.0
BMO EP'	03 41 49.4
ALQ EP'	03 41 49.5
TUC EP'	03 41 58.0

Date and Station	Phase (GCT)
	h m s
MAR 20	
COL EP	03 28 33.0
BMO E(P)	03 31 15.4
MAR 20	
EUR EP	04 12 43.6
MAR 20	
TUC E(P)	04 35 54.5
ALQ EP	04 35 57.0
MAR 20	
COL EP	04 58 07.0
MAR 20	
COL EP	05 13 58.5
BRW EP	05 14 20.7
NEW IP	05 16 43.4
BMO EP	05 16 57.9
BOZ EP	05 17 20.8
EUR IP D	05 17 30.4
E	17 34.0
TUC E(P)	05 18 31.5
MAR 20	
BMO EP	05 19 09.0
MAR 20	
H-05 49 57.7	
49.7N 078.0E	
h ABOUT 0KM	
BRW IP C	05 59 17.9
IPCP	06 00 27.1
COL IP	06 00 08.9
NEW IP	06 02 18.3
HHM IP C	06 02 19.0
BUT EP	06 02 30.1
BMO IP	06 02 34.9
BOZ IP C	06 02 35.0
E	05 23.0
RCD IP	06 02 45.0
WSC IP	06 02 54.9
E	02 56.7
FGU IP C	06 02 58.7
SLC IP C	06 02 59.0
I	03 11.5
EUR IP C	06 03 03.2
EPKKP	20 29.1
EP'P'	28 40.5
SLD IP C	06 03 10.8
GCA IP C	06 03 16.2

Date and Station	Phase	(GCT) h m s
BCN	IP C	06 03 20.4
ALQ	IP	06 03 27.6
	I	04 45.0
TUC	EP	06 03 36.8
MAR 20		
BCN	E(P)	05 51 03.5
	IL	51 58.0
MAR 20		
HHM	EP	06 20 49.9
MAR 20		
H-06 52 49.9		
12.2S 167.0E		
h ABOUT 271KM		
COL	IP	07 04 50.0
EUR	IP	07 05 11.0
BMO	IP	07 05 13.7
NEW	EP	07 05 19.0
TUC	E(P)	07 05 20.2
MAR 20		
COL	EP	07 18 38.0
MAR 20		
H-07 47 50.5		
16.9S 174.3W		
h ABOUT 117KM		
SLD	E(P)	07 59 12.0
	I>P	59 41.6
BCN	EP	07 59 33.1
	E>P	08 00 02.5
TUC	EP	07 59 38.0
EUR	IP D	07 59 38.5
	E>P	08 00 08.5
	E≤P	00 23.0
GCA	EP	07 59 48.5
BMO	IP	07 59 50.3
SLC	EP	07 59 56.7
	E>P	00 27.9
NEW	EP	08 00 01.0
	E>P	00 31.0
BUT	IP	00 09.1
	E(>P)	00 41.1
ALQ	IP	08 00 02.2
	I>P	00 33.0
FGU	EP	08 00 05.0
	E>P	00 36.5
COL	IP D	08 00 09.0
	I>P	00 42.9
HHM	EP	08 00 09.0
	E>P	00 42.0
BOZ	IP D	08 00 10.5
	E>P	00 40.0
BRW	EP D	08 00 32.1
	E>P	01 05.5
MAR 20		
COL	EP	08 07 38.0
MAR 20		
H-08 06 45.3		
17.0S 174.1W		
h ABOUT 140KM		
EUR	E(P)	08 18 31.0
BMO	E(P)	08 18 32.6
COL	IP D	08 19 01.3
	I>P	19 35.3
MAR 20		
EUR	E(P)	08 08 15.0
MAR 20		
H-08 55 34.6		
.8N 029.8E		
h ABOUT 5KM		
BOZ	EP'	09 14 35.0
TUC	EP'	09 14 49.4
MAR 20		
H-09 04 34.7		
21.0S 174.6W		
h ABOUT 122KM		
KIP	IP	09 12 39.6
	I	12 49.4
HON	EP	09 12 43.4
	ES	19 35.2
GUA	EP	09 13 38.0
	ES	21 13.0
SLD	IP	09 16 14.0
CED	EP	09 16 17.3
BCN	EP	09 16 33.0
TUC	EP	09 16 36.5
	E(S)	26 47.0
EUR	EP	09 16 39.0
	EPP	19 45.0
GCA	EP	09 16 47.0
	E(S)	27 10.0
BMO	EP	09 16 51.0
SLC	EP	09 16 57.2
	I	17 07.6
ALQ	IP	09 16 59.2
	I	17 24.0
NEW	EP	09 17 01.0
FGU	EP	09 17 04.5
BUT	EP	09 17 08.0
BOZ	EP	09 17 10.5
	E	17 17.0
COL	EP	09 17 11.0
HHM	EP	09 17 11.0
BRW	EP	09 17 35.6
	E	17 50.9
MAR 20		
COL	IP	09 23 24.8
BMO	IP	09 25 40.9
HHM	EP	09 25 41.7
EUR	EP	09 26 00.0
ALQ	EP	09 26 42.0
MAR 20		
BMC	E(P)	09 43 10.7
MAR 20		
H-10 00 44.2		
7.0S 105.8E		
h ABOUT 58KM		
HHM	EP'	10 19 43.2
BMO	EP'	10 19 43.6
EUR	EP'	10 19 53.5
	ISKP	23 14.9
ALQ	EP'	10 20 06.0
	ESKP	23 42.0
MAR 20		
BOZ	EP	10 09 18.0
	EL	09 40.0
FGU	E(P)	10 09 53.5
	IL	10 39.0
EUR	E(P)	10 10 34.8
MAR 20		
ALQ	E(P)	10 12 27.0
BOZ	EP	10 14 40.0
	EL	14 57.0
BUT	EP	10 15 22.6
MAR 20		
BCN	EP	10 23 34.0
MAR 20		
COL	EP	10 35 10.0
MAR 20		
COL	E(P)	10 41 18.5
MAR 20		
H-11 31 20.1		
05.0N 127.5E		
h ABOUT 148KM		
EUR	E(P)	11 45 30.5
MAR 20		
FGU	EP	11 45 40.8
MAR 20		
COL	IP	11 54 32.3
MAR 20		
COL	EP	12 23 40.0
MAR 20		
BOZ	EP	15 43 50.5
MAR 20		
H-16 26 30.5		
14.5N 094.0W		
h ABOUT 33KM		
ALQ	EP	16 31 36.8
TUC	EP	16 31 37.5
BCN	EP	16 32 25.0
EUR	IP	16 32 51.5
BMO	E(P)	16 33 31.3
MAR 20		
COL	IP	16 35 07.7
BMO	IP	16 35 56.2
MAR 20		
H-17 27 12.9		
13.2N 124.9E		
h ABOUT 33KM		
COL	IP	17 39 01.8
BMO	E(P)	17 41 01.1
MAR 20		
H-17 42 22.5		
45.0S 167.8E		
h ABOUT 121KM		
BMO	EP'	18 00 40.7
COL	IP'	18 00 45.3
MAR 20		
H-18 09 02.8		
12.1S 167.4E		
h ABOUT 6KM		
COL	EP	18 21 31.0
EUR	IP	18 21 53.1
BCN	EP	18 21 54.0
BMO	EP	18 21 55.8
NEW	EP	18 22 01.0
TUC	E(P)	18 22 03.8
GCA	E(P)	18 22 08.1
SLC	EP	18 22 09.6
HHM	E(P)	18 22 12.2
	E	22 16.7

Date and Station	Phase (GCT)
	h m s
BOZ EP	18 22 16.0
FGU EP	18 22 19.0
ALQ E(P)	18 22 23.8
MAR 20	
GUA EP	18 20 54.0
ES	23 54.0
MAR 20	
HON EP	18 24 49.8
ES	30 27.8
MAR 20	
H-18 23 21.4	
11.9S 167.2E	
h ABOUT 49KM	
COL EP	18 35 48.0
EUR E(P)	18 36 04.2
ALQ E(P)	18 36 36.0
MAR 20	
SJG IP D	18 30 30.5
IL	31 49.0
EUR IP	18 37 42.4
BMO EP	18 37 51.0
NEW EP	18 37 53.0
MAR 20	
H-18 36 09.4	
19.7S 178.6W	
h ABOUT 571KM	
BMO EP	18 47 47.0
COL EP	18 47 57.0
MAR 20	
TUC E(P)	19 17 25.0
EL	18 22.0
MAR 20	
GCA E(P)	19 50 16.0
EL	51 10.0
MAR 20	
COL EP	20 20 22.5
MAR 20	
BMO E(P)	20 37 40.9
MAR 20	
BMO EP	21 38 48.6
MAR 20	
H-21 49 59.8	
71.7N 002.8W	
h ABOUT 33KM	
BMO EP	21 59 29.4
MAR 20	
BMO E(P)	22 00 39.1
MAR 20	
COL EP	22 28 09.0

Date and Station	Phase (GCT)
	h m s
MAR 20	
H-22 28 49.6	
71.2N 005.9W	
h ABOUT 33KM	
BMO EP	22 38 18.3
MAR 20	
COL EP	23 07 03.0
MAR 21	
H-00 02 55.6	
23.8N 122.9E	
h ABOUT 33KM	
COL EP	00 13 55.0
NEW IP	00 15 56.2
HHM EP	00 16 05.0
BMO EP	00 16 06.0
EUR E(P)	00 16 15.8
MAR 21	
BMO E(P)	00 11 01.9
MAR 21	
EUR IP	01 08 19.1
MAR 21	
H-01 30 37.7	
00.8N 029.8E	
h ABOUT 5KM	
BOZ EP'	01 49 38.5
FGU EP'	01 49 40.0
BMO EP'	01 49 43.7
ALQ IP'	01 49 44.2
EUR IP'	01 49 50.9
TUC EP'	01 49 53.0
MAR 21	
H-01 48 16.2	
82.9N 032.9W	
h ABOUT 33KM	
NEW E(P)	01 56 05.0
BMO EP	01 56 31.9
EUR E(P)	01 57 07.3
MAR 21	
SJG E(P)	02 44 25.5
IL	45 18.0
MAR 21	
COL EP	03 16 36.8
MAR 21	
COL EP	03 26 11.0
MAR 21	
H-06 29 01.5	
26.2N 129.1E	
h ABOUT 30KM	

Date and Station	Phase (GCT)
	h m s
GUA E(P)	06 33 14.0
BRW IP D	06 39 09.0
E	39 16.0
COL EP	06 39 31.0
FGU E(P)	06 41 18.0
NEW IP	06 41 36.1
HHM IP D	06 41 45.0
BMO IP	06 41 45.5
BUT EP	06 41 54.7
BOZ IP	06 41 58.5
EUR IP D	06 42 04.4
E	42 25.0
SLC EP	06 42 10.9
CED EP	06 42 13.4
BCN IP D	06 42 17.8
TUC E(P)	06 42 38.5
MAR 21	
ALQ EP	06 42 15.5
MAR 21	
RCD E(P)	06 57 24.5
MAR 21	
H-07 17 22.0	
16.4S 173.1W	
h ABOUT 68KM	
TUC EP	07 29 08.5
E	29 32.0
EUR EP	07 29 08.6
GCA EP	07 29 19.5
BMO EP	07 29 21.3
ALQ EP	07 29 33.2
FGU E(P)	07 29 37.0
BOZ EP	07 29 42.0
E	30 08.0
COL IP	07 29 42.3
MAR 21	
FGU E(P)	07 36 12.0
EL	37 09.0
MAR 21	
H-07 54 20.0	
20.5S 176.2W	
h ABOUT 250KM	
EUR EP	08 06 14.0
MAR 21	
TUC E(P)	08 05 02.4
EL	05 48.0

Date and Station	Phase (GCT)
	h m s
MAR 21	
TUC E(P)	08 32 58.7
EL	33 45.5
BCN E(P)	08 33 31.0
IL	34 54.0
MAR 21	
BMO EP	09 13 11.4
MAR 21	
H-09 23 49.3	
.8N 029.9E	
h ABOUT 6KM	
BMO EP'	09 42 54.7
MAR 21	
COL EP	09 29 29.0
MAR 21	
COL EP	09 43 28.0
MAR 21	
EUR IP	10 01 02.5
MAR 21	
BMO E(P)	11 17 02.5
MAR 21	
TUC E(P)	11 51 19.9
MAR 21	
BCN E(P)	11 53 02.4
EL	54 26.0
MAR 21	
HHM EP	12 17 54.6
MAR 21	
COL EP	12 59 43.0
BRW EP	12 59 54.2
MAR 21	
H-13 26 10.9	
21.1S 068.7W	
h ABOUT 128KM	
SJG IP C	13 33 22.7
ALQ EP	13 36 48.6
GCA E▸P	13 37 47.5
BCN E▸P	13 37 54.0
FGU E(P)	13 37 25.5
E▸P	37 57.0
EUR EP	13 37 39.2
E▸P	38 12.3
BOZ E(P)	13 37 51.6
E▸P	38 24.5
NEW E(P)	13 38 04.0
HHM EP	13 38 09.1
MAR 21	
BMO IP	13 38 47.0

Date and Station	Phase (GCT)
	h m s
MAR 21	
COL EP	13 44 28.0
EUR IP	13 44 58.8
MAR 21	
SJG EP	14 18 18.1
MAR 21	
H-14 28 11.4	
3.3N 084.1W	
h ABOUT 33KM	
BHP EP	14 29 58.0
FGU E(P)	14 35 14.0
ALQ EP	14 35 25.0
GCA E(P)	14 36 01.5
E	36 09.0
BCN E(P)	14 36 11.0
EUR IP	14 36 35.0
BMO EP	14 37 07.7
MAR 21	
COL IP	14 31 05.9
MAR 21	
COL IP	14 36 05.7
MAR 21	
H-14 53 56.5	
3.3N 084.3W	
h ABOUT 33KM	
SJG EP	14 59 00.0
EUR IP	15 02 20.0
BOZ EP	15 02 38.0
MAR 21	
ALQ EP	14 58 41.0
MAR 21	
COL EP	15 32 05.0
MAR 21	
H-15 39 46.8	
21.2S 179.1W	
h ABOUT 602KM	
EUR EP	15 51 17.2
MAR 21	
H-16 00 21.8	
2.6S 140.3E	
h ABOUT 13KM	
GUA E(P)	16 04 23.0
BRW IP C	16 12 54.0
COL EP	16 12 55.0
SJG EP'	16 20 13.0
MAR 21	
COL EP	16 02 04.0
EUR IP	16 05 33.8
MAR 21	
COL EP	16 28 20.0
MAR 21	
H-17 40 59.9	
45.5N 151.5E	
h ABOUT 45KM	
COL EP	17 48 14.0
MAR 21	
H-17 58 37.9	
47.3N 154.3E	
h ABOUT 33KM	
COL IP	18 05 30.4
BMO E(P)	18 08 30.5
BOZ EP	18 08 48.6
EUR E(P)	18 08 58.7
MAR 21	
TUC E(P)	19 01 57.6
BCN E(P)	19 03 26.9
MAR 21	
COL EP	20 27 09.4
MAR 21	
H-20 37 37.0	
21.8N 121.1E	
h ABOUT 49KM	
COL EP	20 48 49.9
NEW EP	20 50 47.0
HHM EP	20 50 54.7
MAR 21	
H-21 30 03.0	
18.5S 178.3W	
h ABOUT 486KM	
EUR E(P)	21 41 32.4
COL IP	21 41 53.1
MAR 21	
BMO EP	21 31 12.4
MAR 21	
ALQ IP	21 58 26.8
MAR 21	
H-22 33 33.7	
01.4S 134.6E	
h ABOUT 33KM	
COL EP	22 46 12.9
MAR 21	
COL EP	23 28 30.3
MAR 22	
COL EP	00 21 22.0
MAR 22	
H-00 22 04.4	
17.3S 174.9W	
h ABOUT 234KM	
EUR EP	00 33 42.7
BMO EP	00 33 54.5
COL IP	00 34 11.8
E	35 16.0
MAR 22	
BMO EPG	00 49 00.9
E(S)	49 28.9
MAR 22	
COL IP	01 24 04.0
MAR 22	
COL EP	02 35 24.1
MAR 22	
COL E(P)	03 35 28.2
BMO E(P)	03 37 36.9
MAR 22	
H-03 41 47.4	
13.1N 090.0W	
h ABOUT 20KM	
ALQ E(P)	03 47 25.0
TUC E(P)	03 47 30.4
EUR IP	03 48 40.4
BMO EP	03 49 16.2
MAR 22	
BMO E(P)	03 51 26.4
HHM EP	03 51 30.2
MAR 22	
HHM EP	04 31 51.0
MAR 22	
ALQ IP	04 40 26.0
I	40 52.8
GCA IP	04 40 50.2
I	40 59.2
IL	41 42.0
TUC E(P)	04 41 31.0
MAR 22	
BMO EP	05 30 30.5
MAR 22	
BMO E(P)	05 56 48.2
MAR 22	
H-05 57 46.4	
37.9N 114.8E	
h ABOUT 34KM	
COL IP	06 07 46.6
NEW EP	06 10 07.0
BMO EP	06 10 20.9
BOZ EP	06 10 29.8
EUR E(P)	06 10 45.3
MAR 22	
COL EP	06 16 34.8
MAR 22	
EUR EP	06 46 54.0
MAR 22	
BMO EP	07 08 11.6
MAR 22	
COL EP	07 08 22.6
MAR 22	
H-07 52 49.2	
10.1N 148.1E	
h ABOUT 55KM	
GUA EP	07 53 58.0
E(S)	54 48.0
BRW IP	08 03 54.9
COL IP	08 03 56.3
NEW IP	08 05 23.7
BMO EP	08 05 26.2
HHM EP	08 05 33.0
EUR IP	08 05 36.1
BOZ EP	08 05 44.5
MAR 22	
GUA E(P)	07 58 20.5
E(S)	58 48.0
MAR 22	
H-08 11 33.2	
37.6N 115.0E	
h ABOUT 3KM	
GUA IP	08 18 35.0
BRW EP D	08 21 02.4
I	21 03.6
COL IP D	08 21 39.5
I	21 50.5
ES	29 53.0
KIP IP	08 23 18.3
NEW EP	08 24 00.0
HHM IP C	08 24 06.0
BMO IP	08 24 13.1
BUT EP	08 24 15.2
E	24 19.7
BOZ EP	08 24 22.0
SLD IP D	08 24 34.0
EUR IP C	08 24 38.8
E(PP)	28 04.0

Date and Station	Phase (GCT)
	h m s
SLC IP	08 24 41.6
E	25 05.1
RCD IP C	08 24 44.2
E	24 52.0
FGU IP	08 24 45.8
CED EP	08 24 53.7
BCN IP	08 24 54.4
TUC EP	08 25 15.3
ALQ EP	08 25 15.5
MAR 22	
H-08 19 34.5	
37.6N 115.2E	
h ABOUT 33KM	
GUA IP	08 26 30.0
IS	32 08.0
BRW EP D	08 28 58.0
I	28 59.9
I	29 03.7
E(PP)	31 03.4
COL IP D	08 29 35.1
IS	37 50.0
SIT E(P)	08 30 42.0
E(S)	39 36.0
KIP IP	08 31 13.1
IPCP	31 19.2
I	31 51.4
I	32 05.5
ES	40 52.0
HON I(P)	08 31 22.0
IS	41 00.0
NEW IP	08 31 56.0
HHM IP C	08 32 03.0
ES	42 09.4
BMO EP	08 32 09.2
BUT EP	08 32 14.6
E	34 53.1
ES	42 43.1
BOZ EP D	08 32 18.1
EPP	35 28.0
E	35 46.0
ES	42 56.0
EPKKP	49 32.0
UKI E(P)	08 32 22.6
SLD IP C	08 32 30.0
IPP	36 04.0
EUR IP D	08 32 33.8
E(PP)	36 02.0
IPKKP	49 54.0
SLC IP D	08 32 36.2

Date and Station	Phase (GCT)
	h m s
RCD EP D	08 32 40.0
E	32 45.0
ES	43 32.0
FGU IP C	08 32 41.7
I	36 04.0
CED EP	08 32 48.9
BCN IP	08 32 51.0
EPP	36 40.0
GCA EP	08 32 56.5
ALQ EP	08 33 12.0
EPP	37 10.0
TUC EP	08 33 15.6
EPP	37 11.0
MAR 22	
TUC E(P)	08 27 38.5
MAR 22	
BHP EP	08 41 02.0
ES	42 14.0
MAR 22	
COL IP	08 45 38.9
BRW EP	08 46 17.5
HHM EP	08 49 22.8
BMO EP	08 49 28.8
EUR EP	08 49 54.0
MAR 22	
H-08 45 50.6	
37.3N 115.2E	
h ABOUT 21KM	
GUA EP	08 52 48.0
BRW IP C	08 55 17.4
COL IP D	08 55 53.9
NEW IP	08 58 15.0
HHM IP	08 58 21.0
BUT E(P)	08 58 26.2
E	58 33.2
BMO IP	08 58 28.4
I	58 49.5
BOZ EP	08 58 37.0
EUR EP	08 58 51.8
I	59 05.7
RCD EP C	08 58 58.2
E	59 03.5
FGU IP	08 59 00.1
MAR 22	
COL EP	08 46 49.8
MAR 22	
COL E(P)	08 53 48.7

Date and Station	Phase (GCT)
	h m s
BMO EP	08 56 12.2
MAR 22	
BRW EP	08 57 08.7
COL IP	08 57 47.5
BUT EP	09 00 13.1
BMO IP	09 00 21.5
BOZ EP	09 00 28.0
FGU IP	09 00 54.0
MAR 22	
BRW EP	09 11 20.1
COL EP	09 11 54.0
I	11 58.2
NEW EP	09 14 18.0
BMO EP	09 14 28.5
BOZ EP	09 14 41.5
EUR IP	09 14 56.1
MAR 22	
COL E(P)	09 25 34.5
BMO E(P)	09 28 12.3
EUR EP	09 29 55.6
MAR 22	
H-09 44 13.5	
46.2N 152.3E	
h ABOUT 33KM	
BRW EP	09 51 03.7
COL IP	09 51 23.7
E	51 33.3
BMO E(P)	09 54 19.1
EUR E(P)	09 54 46.2
MAR 22	
BMO E(P)	10 09 07.3
MAR 22	
H-10 16 07.5	
24.4S 180.0W	
h ABOUT 497KM	
TUC EP	10 28 00.7
EUR E(P)	10 28 01.0
MAR 22	
COL EP	10 24 04.0
BMO EP	10 26 38.4
MAR 22	
H-10 28 59.9	
61.2N 151.6W	
h ABOUT 103KM	
COL IP D	10 30 02.4
E(S)	30 46.0

Date and Station	Phase (GCT)
	h m s
BRW E(P)	10 31 26.4
NEW IP	10 34 00.7
HHM EP	10 34 13.5
BMO EP	10 34 23.6
E	34 56.1
BOZ EP	10 34 41.8
EPP	35 05.0
EUR IP	10 35 08.2
TUC EP	10 36 19.0
MAR 22	
BRW E(P)	10 34 26.1
MAR 22	
COL EP	10 38 18.0
MAR 22	
BMO EP	11 01 16.0
MAR 22	
H-11 08 35.5	
37.8N 115.0E	
h ABOUT 11KM	
BRW IP C	11 18 02.4
COL IP C	11 18 39.4
NEW IP	11 21 00.1
BMO IP	11 21 13.5
BUT EP	11 21 19.2
BOZ EP	11 21 22.5
EUR IP	11 21 37.9
RCD EP	11 21 43.5
FGU IP	11 21 45.5
MAR 22	
COL EP	11 09 34.2
BMO EP	11 12 07.4
MAR 22	
BOZ E(P)	11 27 24.0
MAR 22	
BMO E(P)	11 33 10.8
MAR 22	
H-11 37 29.3	
37.3N 115.1E	
h ABOUT 33KM	
BRW EP	11 46 54.1
COL EP	11 47 31.0
NEW EP	11 49 52.0
HHM E(P)	11 50 00.2
BMO EP	11 50 04.9

Date and Station	Phase	(GCT) h m s
BOZ	EP	11 50 14.0
EUR	IP	11 50 29.6
MAR 22		
COL	EP	11 55 29.0
BMO	EP	11 58 06.1
MAR 22		
H-12 08 04.6		
37.7N 115.2E		
h ABOUT 33KM		
BRW	IP	12 17 29.0
COL	IP	12 18 05.5
NEW	IP	12 20 26.5
HHM	EP	12 20 33.1
BMO	EP	12 20 39.8
EUR	IP	12 21 04.0
MAR 22		
COL	EP	12 10 08.8
BMO	EP	12 12 42.2
MAR 22		
BMO	EP	12 19 19.5
MAR 22		
COL	EP	12 39 35.2
BMO	EP	12 42 08.9
MAR 22		
COL	EP	12 46 16.7
MAR 22		
COL	E(P)	12 56 17.2
MAR 22		
H-13 05 06.0		
24.2S 180.0E		
h ABOUT 511KM		
TUC	EP	13 16 57.0
EUR	EP	13 16 58.3
BMO	EP	13 17 08.4
COL	E(P)	13 17 19.5
MAR 22		
TUC	EP	13 50 35.8
MAR 22		
COL	EP	14 11 37.0
BMO	EP	14 14 11.0
MAR 22		
H-14 30 06.6		
37.3N 115.4E		
h ABOUT 33KM		
COL	EP	14 40 08.1
	I	40 24.2
BMO	EP	14 42 42.4
EUR	EP	14 43 06.0
MAR 22		
COL	E(P)	15 30 08.8
MAR 22		
H-16 36 02.1		
18.2S 179.8W		
h ABOUT 589KM		
EUR	IP	16 47 25.9
BMO	E(P)	16 47 35.0
MAR 22		
BMO	EP	16 44 39.5
MAR 22		
COL	EP	16 42 05.5
MAR 22		
COL	EP	16 49 10.0
BMO	EP	16 51 44.9
FGU	EP	16 52 17.0
MAR 22		
HHM	EP	17 02 22.0
MAR 22		
HHM	EP	17 49 28.0
	E	50 02.0
MAR 22		
BMO	E(P)	17 59 46.2
MAR 22		
BMO	EP	18 22 07.9
MAR 22		
BMO	E(P)	18 32 14.4
MAR 22		
BMO	EP	18 46 51.5
MAR 22		
H-18 59 00.7		
19.7S 069.5W		
h ABOUT 99KM		
BMO	EP	19 10 47.9
MAR 22		
HHM	E(P)	19 17 18.0
	E	17 51.0
BMO	EPG	19 17 40.3
	E(S)	18 25.8
MAR 22		
COL	EP	19 20 37.6
MAR 22		
COL	E(P)	19 32 34.3
EUR	IP	19 35 06.1
BMO	EP	19 35 19.0
MAR 22		
EUR	E(P)	20 35 30.7
MAR 22		
HHM	EP	21 02 33.0
	E	03 07.0
BMO	EPG	21 02 53.6
	E(S)	03 42.8
MAR 22		
ALQ	IP	21 28 35.8
	IS	29 15.5
MAR 22		
COL	IP	21 35 22.4
MAR 22		
BMO	E(P)	21 37 55.6
MAR 22		
NEW	EP	21 50 36.0
	ES	50 54.0
MAR 22		
BMO	E(P)	22 01 12.8
MAR 22		
HHM	E(P)	22 15 01.0
BOZ	E(P)	22 15 13.0
	E	19 10.0
BMO	E(P)	22 15 36.3
MAR 22		
NEW	E(P)	22 19 20.0
MAR 22		
HHM	EP	22 21 34.0
	E	23 11.0
MAR 22		
BMO	EP	22 23 05.5
	E	23 37.6
MAR 22		
BMO	E(P)	22 28 15.1
MAR 22		
BMO	E(P)	22 59 02.6
	E(S)	59 50.6
MAR 22		
COL	EP	23 01 55.5
MAR 22		
COL	EP	23 07 23.0
BMO	IP	23 09 57.7
FGU	EP	23 10 29.5
MAR 23		
H-00 04 33.2		
23.9N 122.9E		
h ABOUT 36KM		
GUA	EP	00 09 38.0
	ES	13 47.0
COL	IP C	00 15 31.6
	I	15 55.5
	ES	24 32.0
HON	IP	00 15 54.4
KIP	IP	00 15 57.3
	I	16 13.4
SIT	IP	00 16 22.0
NEW	IP	00 17 32.8
	I	17 51.0
HHM	IP C	00 17 40.0
BMO	IP	00 17 41.8
BUT	IP	00 17 50.3
	E	20 36.8
	EPP	21 36.3
	IS	28 59.3
SLD	IP	00 17 52.4
	EPP	21 30.0
BOZ	IP C	00 17 53.5
	EP	18 10.0
	EPP	21 38.0
	ESKS	28 32.0
	ES	29 07.0
EUR	IP C	00 18 01.2
	I	18 15.9
	IPP	21 52.5
	I	24 42.7
	E(S)	29 21.0
	IPKKP	35 27.0
CED	EP	00 18 10.5
	E	21 00.0
	EPP	22 00.5
SLC	EP	00 18 11.9
BCN	EP	00 18 13.8
	EPP	22 07.5
FGU	IP C	00 18 13.8
	I	21 22.6
RCD	E(P)	00 18 17.5
GCA	EP	00 18 19.6
	EPP	22 23.5
TUC	E(P)	00 18 35.0
	E(PP)	22 47.2
ALQ	E(P)	00 18 39.8
	IPP	22 48.5
SJG	EP'	00 23 48.0
	E	26 31.5
	ESKP	27 19.0
	IPKS	27 28.5
BHP	EP'	00 23 52.0
MAR 23		
COL	EP	00 12 49.0
BMO	EP	00 15 23.0
EUR	EP	00 15 49.0
FGU	EP	00 15 55.0
MAR 23		
HON	EP	00 25 17.8

Date and Station	Phase (GCT)
	h m s
MAR 23	
COL EP	00 43 29.0
MAR 23	
H-01 06 55.8	
27.1N 140.4E	
h ABOUT 449KM	
GUA EP	01 10 00.8
COL E(P)	01 16 05.5
NEW IP	01 18 07.4
BMO IP	01 18 15.6
HHM EP	01 18 18.0
BOZ EP	01 18 31.5
EUR EP	01 18 33.0
FGU EP	01 18 50.5
TUC EP	01 19 08.8
ALQ IP	01 19 15.8
MAR 23	
ALQ IP	01 37 56.6
MAR 23	
BMO E(P)	02 48 26.3
MAR 23	
COL EP	03 00 30.0
MAR 23	
BMO E(P)	03 10 53.7
MAR 23	
BMO E(P)	03 24 17.7
MAR 23	
H-03 24 25.8	
38.1S 072.6W	
h ABOUT 82KM	
TUC E(P)	03 36 19.0
ALQ EP	03 36 23.0
E	36 30.0
EUR E(P)	03 37 03.4
BMO E(P)	03 37 33.5
MAR 23	
BMO E(P)	03 31 15.3
MAR 23	
H-04 11 34.9	
38.1S 073.6W	
h ABOUT 25KM	
TUC EP	04 23 33.0
E▸P	23 40.2
ALQ IP	04 23 36.8
I▸P	23 43.5
GCA E(P)	04 23 57.2
E▸P	24 04.0

Date and Station	Phase (GCT)
	h m s
FGU EP	04 24 10.4
E▸P	24 17.6
EUR IP D	04 24 16.8
I▸P	24 23.9
I	26 40.3
BOZ EP	04 24 31.0
BMO EP	04 24 39.8
HHM EP	04 24 46.8
NEW EP	04 24 52.0
COL EP'	04 30 14.3
MAR 23	
BMO EP	04 27 15.9
MAR 23	
EUR IP	05 10 22.0
MAR 23	
H-05 11 32.5	
16.8N 085.9W	
h ABOUT 33KM	
BHP IP	05 13 52.5
IS	15 39.0
SJG EP	05 15 54.0
I	15 57.3
ES	19 22.0
WSC IP	05 16 41.0
E	17 56.0
ES	21 06.0
ALQ IP	05 17 03.2
I	17 14.8
TUC EP	05 17 16.0
GCA EP	05 17 44.3
RCD EP	05 17 48.0
FGU EP	05 17 52.7
BCN EP	05 17 59.7
CED EP	05 18 09.0
EUR EP C	05 18 21.2
I	18 33.9
BUT E(P)	05 18 29.2
BOZ EP	05 18 32.3
BMO IP	05 18 52.4
E	19 04.9
EPP	20 21.0
HHM E(P)	05 19 00.0
NEW EP	05 19 12.0
COL EP	05 22 00.0
MAR 23	
COL EP	05 28 57.0

Date and Station	Phase (GCT)
	h m s
MAR 23	
BMO E(P)	05 31 30.3
MAR 23	
BMO E(P)	05 36 15.6
EUR EP	05 36 37.8
MAR 23	
SJG EP	05 43 08.5
IL	43 57.0
MAR 23	
H-06 10 11.6	
06.5S 079.3W	
h ABOUT 33KM	
ALQ E(P)	06 18 48.0
EUR EP	06 19 56.0
BMO E(P)	06 20 32.2
MAR 23	
H-07 15 07.6	
57.9N 149.6W	
h ABOUT 33KM	
COL IP	07 16 50.8
NEW EP	07 19 56.0
BMO EP	07 20 18.1
EUR E(P)	07 21 00.5
MAR 23	
COL EP	07 40 54.8
MAR 23	
BMO E(P)	07 46 24.1
MAR 23	
H-08 01 13.3	
21.5S 174.0W	
h ABOUT 33KM	
SLD EP	08 13 03.0
TUC E(P)	08 13 25.0
EUR IP	08 13 28.0
GCA EP	08 13 36.0
BMO EP	08 13 40.4
ALQ IP	08 13 48.4
NEW EP	08 13 51.0
FGU EP	08 13 53.5
BOZ E(P)	08 14 00.0
HHM E(P)	08 14 00.9
COL IP	08 14 02.0
MAR 23	
BMO E(P)	08 32 58.0
MAR 23	
BMO EP	08 42 41.2

Date and Station	Phase (GCT)
	h m s
MAR 23	
NEW EP	08 55 52.0
MAR 23	
BMO EP	09 09 29.7
MAR 23	
TUC E(P)	09 26 31.4
MAR 23	
EUR EP	09 45 49.7
MAR 23	
COL EP	10 33 14.0
MAR 23	
BMO E(P)	10 34 26.7
NEW EP	10 34 36.0
MAR 23	
COL EP	10 56 07.3
MAR 23	
COL IP	11 16 25.6
EUR EP	11 18 40.0
BMO IP	11 18 59.7
E	19 03.4
FGU EP	11 19 31.5
MAR 23	
H-11 20 27.1	
32.9S 178.4W	
h ABOUT 18KM	
TUC E(P)	11 33 33.4
EUR E(P)	11 33 39.2
BMO E(P)	11 33 51.8
MAR 23	
EUR EP	11 33 20.5
MAR 23	
CED IP	11 45 06.3
IS	45 21.1
MAR 23	
BMO E(P)	12 22 54.7
MAR 23	
COL EP	12 55 40.2
MAR 23	
COL IP	13 01 14.6
MAR 23	
COL EP	14 19 27.0
MAR 23	
BMO IP	14 25 33.8
IS	25 44.4
HHM E(P)	14 26 19.0
E	27 30.0
BOZ EP	14 26 22.0
E	27 04.0

Date and Station	Phase	(GCT)
		h m s
EUR	IP	14 26 49.8
	EL	28 08.0
MAR 23		
H-14 30 05.0		
12.1S 167.0E		
h ABOUT 32KM		
COL	EP	14 42 33.0
EUR	E(P)	14 42 52.3
BMO	E(P)	14 42 55.8
MAR 23		
BOZ	E(P)	16 16 07.5
MAR 23		
BMO	E(P)	16 33 07.4
MAR 23		
BMO	E(P)	17 07 26.0
MAR 23		
BMO	E(P)	17 14 09.8
MAR 23		
H-17 28 01.9		
37.4N 115.0E		
h ABOUT 33KM		
COL	IP D	17 38 04.1
	IPCP	38 55.8
NEW	IP	17 40 24.7
HHM	EP	17 40 30.9
BMO	EP	17 40 37.9
BOZ	EP	17 40 47.0
	E	41 05.0
EUR	IP	17 41 02.5
FGU	EP	17 41 10.3
MAR 23		
BMO	E(P)	17 32 08.2
MAR 23		
BMO	EP	18 00 59.6
EUR	IP	18 01 12.2
MAR 23		
BMO	E(P)	18 14 47.7
MAR 23		
H-19 00 59.3		
8.7N 082.5W		
h ABOUT 54KM		
BHP	IP	19 01 45.5
SJG	EP	19 05 14.5
ALQ	EP	19 07 40.5
GCA	EP	19 08 20.2
FGU	EP	19 08 30.7
EUR	IP	19 08 55.0
BOZ	EP	19 09 08.5
	E▸P	09 22.0
BMO	EP	19 09 25.3
HHM	EP	19 09 31.9
	E▸P	09 47.3
NEW	EP	19 09 42.0
COL	IP	19 12 17.0
MAR 23		
ALQ	IP	19 05 05.2
	IS	05 10.0
MAR 23		
BMO	E(P)	19 21 03.8
MAR 23		
EUR	E(P)	20 02 58.2
MAR 23		
BMO	E(P)	20 24 10.4
MAR 23		
BOZ	E(P)	20 49 22.5
MAR 23		
H-21 57 09.8		
7.2S 074.7W		
h ABOUT 140KM		
SJG	IP D	22 02 37.7
ALQ	IP	22 06 04.2
	E	06 40.0
TUC	IP	22 06 08.8
GCA	EP	22 06 36.2
FGU	EP	22 06 47.0
EUR	IP	22 07 05.5
BOZ	IP	22 07 18.5
BMO	EP	22 07 32.9
	EPCP	08 06.4
NEW	IP	22 07 47.4
COL	IP	22 09 52.6
	I▸P	10 29.1
MAR 23		
KIP	IP	22 09 02.0
MAR 23		
BMO	E(P)	22 43 33.1
MAR 23		
H-22 47 57.7		
40.3N 124.7W		
h ABOUT 10KM		
UKI	IP	22 48 27.5
SLD	IP D	22 49 03.5
	IL	49 55.2
EUR	EP	22 49 40.0
	IL	51 58.0
BMO	IP	22 49 45.6
NEW	E(P)	22 50 20.0
MAR 23		
H-22 52 24.2		
25.9N 090.0E		
h ABOUT 20KM		
COL	EP	23 04 29.0
BMO	EP'	23 10 30.7
MAR 23		
BMO	E(P)	23 26 55.0
MAR 23		
EUR	EP	23 35 39.8
MAR 23		
BMO	E(P)	23 40 50.5
MAR 23		
BMO	E(P)	23 43 30.5
MAR 23		
COL	EP	23 47 47.0
MAR 23		
NEW	EP	23 50 55.0
BMO	E(P)	23 51 10.5
MAR 24		
BMO	IP	00 09 58.3
	ES	10 05.1
MAR 24		
EUR	E(P)	00 21 53.3
MAR 24		
BMO	E(P)	00 56 48.3
MAR 24		
BMO	EP	01 28 35.8
COL	EP	01 28 46.0
MAR 24		
EUR	IP	01 39 37.1
MAR 24		
COL	EP	02 14 15.0
MAR 24		
H-03 22 21.5		
52.8N 171.9E		
h ABOUT 46KM		
BRW	IP D	03 27 24.4
COL	EP	03 27 29.6
NEW	EP	03 30 23.0
BMO	EP	03 30 38.0
EUR	IP	03 31 10.9
MAR 24		
H-04 04 55.5		
21.5S 176.3W		
h ABOUT 191KM		
SLD	IP C	04 16 35.5
CED	EP	04 16 39.4
BCN	IP C	04 16 54.0
	E	18 11.2
TUC	IP	04 16 58.9
EUR	IP	04 16 59.9
GCA	IP C	04 17 08.5
	E▸P	17 55.2
BMO	EP	04 17 11.4
SLC	IP	04 17 16.6
	E▸P	18 05.4
ALQ	IP	04 17 20.2
	E▸P	18 07.0
NEW	IP	04 17 21.6
FGU	EP C	04 17 24.1
	I	17 32.1
	E▸P	18 11.0
COL	IP C	04 17 27.6
	I▸P	18 15.2
HHM	EP	04 17 29.0
BOZ	IP	04 17 30.0
RCD	EP	04 17 50.0
MAR 24		
BMO	E(P)	04 34 51.3
MAR 24		
BMO	E(P)	04 43 19.7
MAR 24		
BMO	E(P)	04 50 57.2
MAR 24		
BMO	E(P)	05 15 25.1
MAR 24		
BMO	EP	05 28 40.5
MAR 24		
BMO	E(P)	05 28 53.7
MAR 24		
EUR	IP	05 32 17.0
BMO	E(P)	05 32 20.5
MAR 24		
ALQ	IP	05 48 26.4
	IS	48 50.8
MAR 24		
BMO	E(P)	06 43 46.9
MAR 24		
H-07 24 52.2		
33.0S 109.0W		
h ABOUT 33KM		
TUC	E(P)	07 35 29.8

Date and Station	Phase (GCT)
	h m s
ALQ EP	07 35 47.0
EUR IP	07 36 17.3
SLC E(P)	07 36 23.0
E	36 32.7
BMO IP	07 36 48.1
BOZ EP	07 36 50.0
HHM EP	07 37 06.0
NEW IP	07 37 06.5
MAR 24	
H-08 24 04.5	
37.0N 107.1W	
h ABOUT 5KM	
ALQ IP	08 24 40.8
IS	25 06.5
GCA EP	08 25 04.0
I	25 13.0
IL	25 56.5
EUR E(P)	08 25 57.0
MAR 24	
H-08 27 51.4	
13.7S 166.8E	
h ABOUT 45KM	
GUA E(P)	08 34 35.5
COL IP	08 40 24.0
BRW EP	08 40 38.6
I	41 06.6
EUR EP	08 40 43.8
IPP	40 57.0
EPP	44 12.9
BMO EP	08 40 46.1
MAR 24	
HHM E(P)	08 40 29.0
MAR 24	
BMO E(P)	08 57 54.5
E	58 02.4
EUR E(P)	08 57 49.0
E	58 21.5
GCA EP	08 57 56.0
E	58 03.2
ALQ E(P)	08 58 01.0
MAR 24	
BMO E(P)	09 06 15.0
EUR IP	09 06 25.2
MAR 24	
H-11 10 49.9	
12.2S 167.3E	
h ABOUT 50KM	
COL EP	11 23 15.0
EUR IP	11 23 34.2
BMO E(P)	11 23 38.2
BOZ E(P)	11 23 31.0
MAR 24	
BMO E(P)	11 59 06.9
MAR 24	
COL IP	12 26 09.0
BMO E(P)	12 28 42.0
MAR 24	
COL E(P)	12 39 09.1
MAR 24	
EUR IP	12 43 39.6
BMO E(P)	12 44 23.4
MAR 24	
COL EP	12 58 11.0
BMO EP	12 59 23.2
E	59 40 .8
MAR 24	
H-13 03 39.4	
02.6S 140.4E	
h ABOUT 8KM	
BRW EP D	13 16 12.7
COL IP	13 16 14.7
MAR 24	
BMO E(P)	13 35 55.6
MAR 24	
H-14 17 30.5	
09.8S 078.6W	
h ABOUT 62KM	
EUR EP	14 27 35.3
BOZ E(P)	14 27 50.0
COL E(P)	14 30 30.5
MAR 24	
COL IP	14 39 32.0
BMO EP	14 42 04.4
MAR 24	
H-14 55 28.1	
37.1N 116.0W	
h ABOUT 0KM	
EUR IP	14 56 08.5
IL	56 44.5
SLD E(P)	14 56 33.0
IL	56 44.5
TUC E(P)	14 57 06.2
MAR 24	
BMO E(P)	14 57 49.0
MAR 24	
BMO E(P)	15 44 23.9
MAR 24	
BMO E(P)	16 39 07.5
MAR 24	
H-16 47 04.2	
19.1S 175.9W	
h ABOUT 280KM	
BMO E(P)	16 58 56.9
COL EP	16 59 15.5
MAR 24	
SJG IP	17 11 44.0
IS	11 54.5
MAR 24	
H-17 33 46.1	
01.7S 149.4E	
h ABOUT 34KM	
COL IP	17 45 54.7
BRW EP	17 45 57.8
BMO EP	17 47 00.6
EUR EP	17 47 07.0
MAR 24	
ALQ EP	17 55 29.2
I	55 52.5
MAR 24	
COL EP	18 41 29.0
MAR 24	
COL EP	18 51 34.0
MAR 24	
BMO E(P)	19 13 49.2
MAR 24	
TUC EP	19 19 29.5
BMO EP	19 19 39.7
MAR 24	
EUR IP	19 30 37.7
BMO EP	19 31 24.9
MAR 24	
SLD EP	19 56 45.4
MAR 24	
H-20 02 28.6	
09.1S 113.5E	
h ABOUT 63KM	
BRW E(P)	20 16 04.9
E	16 12.0
NEW EP'	20 21 20.0
BMO IP'	20 21 22.3
HHM IP'	20 21 23.0
EUR EP'	20 21 29.0
BOZ IP'	20 21 29.5
MAR 24	
BMO I(P)	20 10 15.3
MAR 24	
H-20 10 59.3	
36.8N 108.3W	
h ABOUT 5KM	
ALQ IP	20 11 39.4
IL	12 14.5
GCA IP	20 11 44.0
IL	12 19.4
FGU E(P)	20 12 06.0
EL	13 12.0
TUC E(P)	20 12 27.0
MAR 24	
BRW E(P)	20 18 36.3
MAR 24	
ALQ IP	20 21 09.4
MAR 24	
FGU EP	20 24 55.1
TUC E(P)	20 25 04.4
MAR 24	
H-22 08 11.5	
19.7S 176.0W	
h ABOUT 257KM	
TUC EP	22 20 00.2
EUR E(P)	22 20 06.0
BMO IP	22 20 12.0
COL EP	22 20 28.0
IPP	21 22.4
MAR 24	
HHM E(P)	22 57 43.0
EL	58 19.0
MAR 24	
COL E(P)	23 14 18.5
MAR 24	
COL EP	23 30 50.2
MAR 24	
EUR I(P)	23 46 00.6
MAR 25	
H-00 02 40.4	
40.3N 142.6E	
h ABOUT 80KM	
BRW EP	00 10 33.6
COL EP	00 10 56.0
BMO IP	00 13 38.7
MAR 25	
NEW EP	00 20 08.0
ES	20 27.0
MAR 25	
BMO E(P)	00 27 08.8

Date and Station	Phase	(GCT) h m s
MAR 25		
FGU	E(P)	01 00 35.5
MAR 25		
H-01 15 11.8		
62.6N 151.0W		
h ABOUT 106KM		
COL	IP	01 15 54.7
	IS	16 28.0
BRW	IP	01 17 20.5
MAR 25		
BMO	E(P)	01 20 10.8
MAR 25		
ALQ	IP	03 11 40.0
	I	12 05.5
MAR 25		
COL	EP	04 10 16.0
MAR 25		
FGU	E(P)	04 20 53.8
	I	20 56.4
	I(S)	21 14.8
	IL	21 17.7
MAR 25		
H-06 17 04.7		
37.4N 115.4E		
h ABOUT 33KM		
BRW	E(P)	06 26 28.7
COL	EP	06 27 06.0
BMO	EP	06 29 40.0
EUR	E(P)	06 30 07.8
FGU	EP	06 30 12.2
MAR 25		
H-06 33 22.9		
37.8N 114.9E		
h ABOUT 33KM		
BRW	E(P)	06 42 46.1
COL	IP	06 43 23.8
BMO	EP	06 45 57.9
BOZ	E(P)	06 46 05.0
EUR	IP	06 46 23.2
FGU	EP	06 46 30.0
MAR 25		
GUA	EP	08 34 26.0
MAR 25		
H-08 56 45.5		
2.0S 139.0E		
h ABOUT 45KM		
COL	EP	09 09 20.0
EUR	E(P)	09 10 42.5
SJG	IP'	09 16 35.3
MAR 25		
FGU	EP	09 42 52.0
MAR 25		
BMO	EP	11 15 06.1
MAR 25		
GUA	E(P)	11 26 14.0
MAR 25		
H-11 17 59.4		
08.1S 121.7E		
h ABOUT 33KM		
BRW	E(P)	11 31 30.1
BMO	EP'	11 36 42.1
EUR	IP'	11 36 48.3
FGU	EP'	11 36 55.8
	E	36 57.5
MAR 25		
ALQ	EP	11 36 27.0
MAR 25		
H-12 01 06.5		
21.3S 174.2W		
h ABOUT 44KM		
EUR	EP	12 13 21.5
BMO	EP	12 13 31.8
	EPCP	13 33.8
ALQ	EP	12 13 42.0
COL	IP	12 13 53.6
MAR 25		
COL	EP	12 24 58.5
BMO	E(P)	12 26 03.5
EUR	EP	12 26 09.5
MAR 25		
H-12 54 55.2		
51.3N 179.7W		
h ABOUT 36KM		
COL	EP	12 59 40.0
BRW	IP	12 59 54.9
	E	13 00 23.3
NEW	IP	13 02 23.4
BMO	IP	13 02 37.7
HHM	EP	13 02 38.0
BOZ	IP	13 03 01.9
EUR	IP	13 03 09.1
FGU	EP	13 03 32.4
RCD	EP	13 03 46.0
	E	03 51.0
TUC	E(P)	13 04 07.9
ALQ	EP	13 04 15.2
MAR 25		
H-12 56 23.7		
58.8S 025.2W		
h ABOUT 25KM		
TUC	EP'	13 15 03.0
FGU	EP'	13 15 14.7
EUR	IP'	13 15 19.2
SLD	IP'	13 15 21.7
BOZ	IP'	13 15 24.9
HHM	IP'	13 15 28.0
BMO	IP'	13 15 28.1
NEW	EP'	13 15 31.0
BRW	EP'	13 16 12.7
	IP'	16 27.4
COL	IP'	13 16 18.2
MAR 25		
EUR	EP	13 12 59.3
SLC	E(P)	13 13 18.4
	E	13 21.7
MAR 25		
NEW	EP	13 20 23.4
MAR 25		
EUR	E(P)	13 25 10.6
FGU	EP	13 25 17.5
MAR 25		
H-13 34 21.2		
12.0S 167.4E		
h ABOUT 13KM		
COL	E(P)	13 46 52.5
EUR	IP	13 47 10.2
BOZ	E(P)	13 47 32.0
MAR 25		
EUR	EP'	14 04 55.0
BOZ	E(P')	14 05 00.0
BMO	IP'	14 05 03.7
HHM	EP'	14 05 06.0
NEW	EP'	14 05 07.0
BRW	EP'	14 06 02.9
MAR 25		
EUR	EP'	14 30 54.5
BMO	IP'	14 31 03.0
HHM	IP'	14 31 05.0
COL	IP'	14 31 53.7
BRW	EP'	14 32 02.5
MAR 25		
BOZ	IP	14 51 10.4
	IL	51 19.0
MAR 25		
H-15 30 34.1		
15.6N 093.6W		
h ABOUT 35KM		
ALQ	EP	15 35 32.0
TUC	EP	15 35 36.0
EUR	EP	15 36 49.6
MAR 25		
NEW	IP	16 41 07.8
	IS	41 17.0
MAR 25		
EUR	IP	17 05 05.3
MAR 25		
BMO	EP	17 50 47.3
MAR 25		
ALQ	EP	19 02 12.2
EUR	E(P)	19 02 58.5
MAR 25		
FGU	EP	19 10 44.0
EUR	EP	19 11 06.5
BOZ	EP	19 11 23.5
ALQ	IP	19 11 32.0
	IS	12 06.5
MAR 25		
COL	EP	20 11 05.0
MAR 25		
ALQ	IP	20 44 04.4
MAR 25		
BOZ	EP	21 29 21.6
	IL	29 26.5
BZM	E(P)	21 29 23.4
BUT	E(P)	21 29 24.6
	E	29 27.6
HHM	E(P)	21 30 09.0
	E	30 48.0
BMO	E(P)	21 30 35.6
EUR	IP	21 31 31.2
MAR 25		
H-21 59 26.3		
56.6N 135.4W		
h ABOUT 21KM		
SIT	IP	21 59 36.0
COL	E(P)	22 01 52.0

Date and Station	Phase (GCT)
	h m s
NEW EP	22 02 45.0
EL	06 43.0
HHM EP	22 03 06.0
E	03 10.2
EL	07 32.7
BMO EP	22 03 16.9
BUT E(P)	22 03 25.5
EL	09 49.5
BOZ EP	22 03 43.5
E(S)	09 10.0
EUR IP	22 04 14.0
I	04 35.0
SLD EP	22 04 17.5
FGU EP	22 04 31.0
TUC EP	22 05 32.2
MAR 25	
HHM E(P)	22 07 35.0
BMO EP	22 07 42.2
MAR 25	
ALQ IP	22 32 45.4
BMO E(P)	22 34 32.4
MAR 25	
COL EP	22 35 21.2
I	35 30.4
MAR 25	
EUR IP	22 40 14.0
BOZ E(P)	22 40 19.5
ALQ IP	22 40 33.5
MAR 25	
H-23 17 22.1	
39.1N 029.4E	
h ABOUT 42KM	
COL EP	23 29 10.0
BMO EP	23 30 23.7
MAR 25	
COL EP	23 22 53.7
MAR 25	
EUR IP C	23 42 09.8
I	42 29.8
MAR 25	
EUR IP	23 52 29.0
MAR 25	
NEW EP	23 54 16.0
ES	54 36.0
MAR 26	
NEW EP	00 10 40.0
BMO EP	00 10 49.2

Date and Station	Phase (GCT)
	h m s
MAR 26	
BMO EP	00 18 41.6
MAR 26	
H-02 14 09.0	
06.9N 073.0W	
h ABOUT 154KM	
BHP IP	02 15 45.5
IS	17 01.5
SJG EP	02 17 08.1
I	17 10.5
IS	19 24.0
TUC EP	02 21 57.7
EUR EP	02 22 53.5
E▸P	23 30.2
BOZ EP	02 22 58.0
BMO E(P)	02 23 18.1
MAR 26	
COL IP	02 34 02.0
I	34 24.7
IS	35 45.5
BRW EP	02 35 04.4
ES	37 04.7
EL	38 35.5
HHM E(P)	02 37 07.0
NEW EP	02 37 08.0
E	42 46.0
BMO EP	02 37 33.4
MAR 26	
NEW IP	04 37 00.7
MAR 26	
BMO E(P)	04 39 00.2
MAR 26	
COL EP	04 52 24.0
MAR 26	
NEW EP	06 03 17.0
MAR 26	
EUR E(P)	06 14 27.5
MAR 26	
COL EP	07 01 21.5
MAR 26	
NEW EP	07 16 04.0
MAR 26	
COL EP	08 29 10.0
MAR 26	
BMO E(P)	08 51 55.6
MAR 26	
H-09 42 18.9	
18.5S 026.4E	
h ABOUT 33KM	
BRW EP'	10 01 22.8

Date and Station	Phase (GCT)
	h m s
ALQ EP'	10 01 39.0
BMO EP'	10 01 39.2
BOZ EP'	10 01 41.0
EUR IP'	10 01 44.2
SLD IP'	10 02 00.5
MAR 26	
COL IP	09 55 46.5
MAR 26	
CED EP	10 02 54.4
MAR 26	
COL EP C	10 27 05.2
I	27 15.6
E(S)	28 11.0
IL	28 28.0
MAR 26	
H-10 47 20.1	
43.8N 128.0W	
h ABOUT 33KM	
BMO EP	10 49 11.2
SLD EP	10 49 21.5
NEW IP	10 49 25.9
EUR EP	10 49 45.5
HHM EP	10 49 52.0
BOZ EP	10 50 08.5
I	50 11.0
EL	53 30.0
BCN EP	10 50 25.2
TUC EP	10 51 26.2
RCD E(P)	10 51 28.5
ALQ E(P)	10 51 41.0
COL EP	10 52 38.0
MAR 26	
NEW IP	10 51 35.6
MAR 26	
BOZ E(P)	10 56 00.0
EUR IP	10 56 03.2
BMO EP	10 56 05.4
MAR 26	
BMO E(P)	11 32 23.7
MAR 26	
BMO E(P)	11 48 51.8
MAR 26	
BMO E(P)	11 49 51.8
MAR 26	
BOZ EP	11 56 37.9
BMO E(P)	11 56 59.3

Date and Station	Phase (GCT)
	h m s
TUC EP	11 57 55.0
MAR 26	
BMO E(P)	12 01 20.6
MAR 26	
SJG EP	12 20 39.8
IL	21 37.5
MAR 26	
H-12 29 55.2	
63.2N 024.4W	
h ABOUT 33KM	
BRW E(P)	12 37 43.0
COL IP	12 38 13.8
HHM EP	12 38 34.1
E	38 44.9
E	40 11.6
BOZ EP	12 38 44.2
I	38 55.5
BMO E(P)	12 39 05.5
EUR EP	12 39 35.3
I	39 46.4
TUC EP	12 40 02.0
E	40 12.7
MAR 26	
SJG IP C	13 30 06.1
IS	30 33.0
MAR 26	
COL EP	13 30 52.0
BRW EP	13 31 06.0
NEW EP	13 33 34.0
BMO EP	13 33 48.4
BOZ EP	13 34 12.0
EUR E(P)	13 34 20.2
MAR 26	
EUR IP	13 33 41.1
MAR 26	
H-13 36 46.6	
50.9N 175.8E	
h ABOUT 33KM	
COL EP	13 41 53.0
BRW E(P)	13 41 58.9
NEW IP	13 44 38.0
BMO EP	13 44 51.6
HHM EP	13 44 52.0
E	46 37.6
EUR IP	13 45 22.3
BCN EP	13 45 45.0
TUC EP	13 46 20.5

Date and Station	Phase	Phase (GCT) h m s
MAR 26		
H-14 09 07.9		
19.9N 120.7E		
h ABOUT 20KM		
BRW	IP D	14 20 14.1
COL	EP	14 20 35.0
NEW	EP	14 22 30.0
HHM	EP	14 22 38.4
BMO	EP	14 22 39.0
EUR	E(P)	14 22 57.0
MAR 26		
COL	EP	14 24 17.0
EUR	E(P)	14 26 06.3
MAR 26		
GUA	EP	14 30 32.0
MAR 26		
HHM	EP	14 30 31.4
BMO	EP	14 30 32.9
MAR 26		
EUR	EP	14 39 34.0
MAR 26		
NEW	EP	15 05 45.0
MAR 26		
H-15 14 34.5		
37.9N 115.0E		
h ABOUT 33KM		
BRW	EP	15 23 56.3
	I	23 58.6
COL	EP	15 24 33.0
NEW	EP	15 26 55.0
HHM	E(P)	15 27 00.4
	E	27 03.6
BMO	EP	15 27 08.0
BOZ	EP	15 27 16.6
EUR	IP	15 27 32.0
FGU	EP	15 27 39.5
BCN	EP	15 27 48.9
MAR 26		
H-15 19 03.8		
37.7N 115.1E		
h ABOUT 33KM		
GUA	IP	15 26 01.0
	ES	31 45.0
BRW	IP D	15 28 27.0
	I	28 43.0
	I	28 59.2
COL	EP	15 29 03.0
	I	29 20.5
	ES	37 14.0
	EL	51 56.0
KIP	EP	15 30 43.0
NEW	IP	15 31 25.1
HHM	IP D	15 31 32.0
BMO	EP	15 31 37.9
	EPP	34 59.1
BOZ	IP D	15 31 47.4
	ES	42 28.0
SLD	EP	15 31 58.5
EUR	IP C	15 32 02.8
	EPP	35 19.7
RCD	E(P)	15 32 03.0
	E	32 09.0
FGU	IP D	15 32 10.5
	I	33 30.0
BCN	EP	15 32 18.8
	EPP	35 56.0
ALQ	E(P)	15 32 39.0
MAR 26		
COL	IP	15 36 25.5
MAR 26		
COL	EP	15 38 41.0
MAR 26		
BRW	EP	15 46 53.1
COL	E(P)	15 47 29.2
NEW	EP	15 49 24.0
EUR	EP	15 50 29.4
MAR 26		
COL	EP	16 04 43.0
MAR 26		
SJG	E(P)	16 19 56.1
	I	20 05.0
MAR 26		
TUC	E(P)	16 32 44.0
MAR 26		
BRW	E(P)	16 44 34.2
MAR 26		
COL	EP	16 52 03.0
BMO	E(P)	16 53 45.8
MAR 26		
COL	EP	16 55 18.0
MAR 26		
SLD	EP	17 15 39.0
	IL	16 05.7
EUR	IP	17 15 57.1
MAR 26		
COL	EP	17 30 47.0
BMO	E(P)	17 33 23.2
MAR 26		
ALQ	IP	17 35 24.0
	IS	36 11.2
MAR 26		
BRW	E(P)	17 42 58.9
COL	EP	17 43 34.0
BMO	EP	17 46 08.3
FGU	EP	17 46 41.4
MAR 26		
BMO	E(P)	18 12 51.4
MAR 26		
H-18 14 23.1		
37.8N 115.0E		
h ABOUT 33KM		
BRW	EP	18 23 44.6
	I	23 48.1
	EPP	25 48.0
COL	IP	18 24 23.0
NEW	EP	18 26 43.0
HHM	EP D	18 26 49.0
BMO	EP	18 26 57.2
BOZ	EP	18 27 06.2
SLD	EP	18 27 19.0
EUR	IP	18 27 21.6
	EPP	30 50.0
FGU	EP	18 27 29.3
BCN	EP	18 27 38.5
MAR 26		
H-18 51 10.1		
29.9N 069.7E		
h ABOUT 36KM		
COL	E(P)	19 03 23.0
MAR 26		
NEW	IP	19 02 20.4
MAR 26		
TUC	E(P)	19 36 55.5
BCN	E(P)	19 37 53.4
	E	37 55.0
EUR	E(P)	19 38 33.5
MAR 26		
H-20 17 32.2		
39.0N 021.8E		
h ABOUT 33KM		
BRW	EP	20 28 43.4
COL	EP	20 29 19.0
BMO	EP	20 30 23.2
MAR 26		
BMO	EP	20 22 28.9
MAR 26		
BMO	EP	21 01 06.0
MAR 26		
BMO	E(P)	21 06 22.2
MAR 26		
NEW	EP	21 09 42.0
MAR 26		
EUR	EP	21 27 09.0
MAR 26		
EUR	EP	21 38 31.1
MAR 26		
H-22 13 22.2		
05.7S 149.3E		
h ABOUT 111KM		
COL	IP D	22 25 40.7
	I	26 38.6
BRW	EP D	22 25 44.4
BMO	EP	22 26 39.3
EUR	IP	22 26 44.7
BCN	EP	22 26 48.4
MAR 26		
ALQ	EP	22 20 22.0
MAR 26		
BMO	EPG	22 25 12.8
MAR 26		
H-22 41 31.2		
18.9S 174.5W		
h ABOUT 155KM		
BMO	E(P)	22 53 37.9
COL	EP	22 53 54.0
MAR 26		
ALQ	EP	22 43 19.0
BMO	E(P)	22 43 23.5
MAR 26		
EUR	E(P)	22 52 11.8
MAR 26		
BMO	E(P)	22 54 11.6
MAR 26		
BMO	EPG	23 03 45.1
MAR 26		
ALQ	IP	23 11 41.0
	IS	12 06.6
MAR 26		
COL	EP	23 17 20.0

Date and Station	Phase (GCT)
	h m s
MAR 26	
BMO EP	23 19 55.3
EUR EP	23 20 19.6
MAR 26	
EUR EP	23 24 44.3
E	24 54.6
MAR 26	
BMO E(P)	23 29 12.9
MAR 27	
COL EP	00 32 11.0
MAR 27	
COL EP	00 47 12.0
MAR 27	
BMO E(P)	00 55 57.6
MAR 27	
COL EP	00 57 12.0
MAR 27	
KIP EP	01 12 12.5
MAR 27	
BMO EP	01 15 38.8
MAR 27	
EUR EP	01 19 23.2
MAR 27	
BRW EP	01 23 41.3
MAR 27	
KIP E	01 28 53.6
MAR 27	
H-01 32 21.9	
36.9S 070.4W	
h ABOUT 154KM	
ALQ EP	01 44 09.5
EUR E(P)	01 44 50.3
MAR 27	
H-01 40 59.5	
14.4N 056.7E	
h ABOUT 35KM	
BRW EP	01 54 03.3
BMO EP'	01 59 48.4
EUR EP'	01 59 59.0
E	02 01 33.0
MAR 27	
H-01 49 14.3	
38.0N 024.0E	
h ABOUT 179KM	
HHM EP	02 01 37.0
NEW IP	02 01 43.0
BMO EP	02 01 56.1

Date and Station	Phase (GCT)
	h m s
MAR 27	
H-02 10 50.2	
52.9N 159.6E	
h ABOUT 33KM	
BRW E(P)	02 16 19.7
COL E(P)	02 16 47.5
BMO E(P)	02 20 10.6
EUR EP	02 20 32.8
MAR 27	
BMO EP	02 12 54.3
EUR IP	02 13 21.8
ALQ EP	02 14 12.0
MAR 27	
COL EP	02 29 50.0
MAR 27	
BMO EP	02 40 28.6
COL E(P)	02 41 11.8
MAR 27	
H-03 31 19.6	
09.0S 108.8E	
h ABOUT 33KM	
HHM EP'	03 50 20.5
E	50 28.5
BOZ EP'	03 50 26.0
E	50 35.0
BMO EP'	03 50 27.9
EUR IP'	03 50 35.0
ALQ EP'	03 50 45.6
MAR 27	
BMO E(P)	03 31 39.3
MAR 27	
COL E(P)	04 09 33.0
E	10 12.5
BMO EP	04 11 09.2
MAR 27	
H-04 24 10.0	
25.0N 122.2E	
h ABOUT 84KM	
NEW IP	04 37 00.7
HHM IP	04 37 08.0
BMO EP	04 37 09.8
MAR 27	
H-05 43 49.5	
55.5S 001.5W	
h ABOUT 22KM	
ALQ IP'	06 02 50.5
BCN EP'	06 03 02.0

Date and Station	Phase (GCT)
	h m s
EUR EP'	06 03 06.5
BOZ EP'	06 03 10.0
EPP	05 49.0
BMO EP'	06 03 14.8
HHM EP'	06 03 15.0
NEW EP'	06 03 17.0
COL EP'	06 04 31.0
BRW E(P')	06 04 31.7
MAR 27	
COL EP	06 31 53.2
BMO E(P)	06 34 47.2
MAR 27	
BRW IP	06 41 43.1
COL EP	06 42 19.0
BMO EP	06 44 54.6
EUR IP	06 45 18.9
FGU EP	06 45 26.0
MAR 27	
NEW EP	07 16 04.0
BMO EP	07 16 15.7
MAR 27	
BMO EP	07 23 09.6
COL EP	07 24 25.0
MAR 27	
BMO E(P)	07 38 00.6
MAR 27	
BMO EP	07 51 09.0
COL EP	07 52 17.0
MAR 27	
BMO E(P)	08 30 45.0
MAR 27	
BMO EP	09 05 55.7
MAR 27	
ALQ EP	09 15 18.2
MAR 27	
BMO E(P)	09 21 38.3
MAR 27	
CED IP	09 33 01.4
IS	33 14.7
MAR 27	
BMO E(P)	09 36 11.8
MAR 27	
BMO EP	09 54 38.4
MAR 27	
BMO E(P)	10 12 12.2

Date and Station	Phase (GCT)
	h m s
MAR 27	
COL IP	10 21 57.5
IL	22 19.0
BRW EP	10 23 14.6
ES	24 34.2
EL	25 31.1
MAR 27	
H-10 38 58.6	
11.4S 166.5E	
h ABOUT 188KM	
COL IP	10 51 04.5
E▸P	51 47.9
BRW EP	10 51 19.3
BCN EP	10 51 28.0
E	52 22.0
EUR EP C	10 51 28.1
E▸P	52 13.3
BMO EP	10 51 30.2
NEW IP	10 51 35.6
HHM EP	10 51 44.0
MAR 27	
BMO E(P)	11 38 51.2
MAR 27	
BMO E(P)	13 07 06.0
MAR 27	
H-13 27 12.2	
5.5N 124.5E	
h ABOUT 376KM	
BRW EP	13 38 49.5
MAR 27	
FGU IP	13 43 24.0
IL	44 55.0
MAR 27	
BRW E(P)	14 30 58.4
COL EP	14 31 34.0
BMO E(P)	14 34 08.0
MAR 27	
COL EP	14 34 34.0
MAR 27	
COL EP	14 49 49.3
MAR 27	
H-14 53 33.2	
23.7S 066.7W	
h ABOUT 194KM	
ALQ IP	15 04 22.4
TUC EP	15 04 24.6
BCN EP	15 04 54.8
E	05 46.6
CED E(P)	15 04 56.3

Date and Station	Phase (GCT)
	h m s
RCD EP	15 04 56.0
FGU E(P)	15 04 57.7
SLC EP	15 05 04.8
EUR IP D	15 05 11.8
I	05 24.0
SLD IP	15 05 19.2
BOZ IP	15 05 23.0
BMO EP	15 05 35.0
E	06 28.7
HHM IP	15 05 39.0
NEW EP	15 05 45.0
MAR 27	
H-15 44 46.3	
60.5N 146.1W	
h ABOUT 33KM	
COL EP	15 45 55.0
I	46 04.3
EL	47 05.0
IL	47 46.0
BRW EP	15 47 32.3
EL	49 46.1
NEW EP	15 49 24.0
HHM EP	15 49 40.0
BMO EP	15 49 50.7
EUR E(P)	15 50 37.2
MAR 27	
BMO E(P)	16 35 57.8
E(S)	36 42.9
MAR 27	
BMO E(P)	16 39 42.0
MAR 27	
ALQ IP	17 44 54.5
IS	45 51.8
MAR 27	
H-18 53 41.3	
8.8N 083.5W	
h ABOUT 41KM	
BHP IP	18 54 38.6
SJG IP	18 58 04.0
ES	19 01 30.5
ET	15 24.0
WSC EP	18 59 54.0
E	19 01 01.0
ALQ IP	19 00 18.0
TUC IP	19 00 27.2
ES	06 00.0
GCA EP	19 00 57.6

Date and Station	Phase (GCT)
	h m s
RCD EP	19 01 06.0
E	01 35.5
EPP	02 46.0
FGU EP	19 01 08.0
BCN EP	19 01 09.2
CED EP	19 01 15.6
SLC EP	19 01 18.3
I	02 08.0
IPCP	03 21.8
EUR IP D	19 01 32.0
IPCP	03 17.2
E	04 42.0
BOZ EP	19 01 45.6
EPCP	03 32.0
E(S)	08 30.0
SLD EP	19 01 49.0
EPCP	03 34.0
BUT EP	19 01 51.5
EPCP	02 36.0
BMO EP	19 02 02.9
EPCP	03 36.0
HHM IP	19 02 10.0
NEW IP	19 02 20.4
COL IP D	19 04 56.7
E(PP)	07 35.3
BRW EP C	19 05 26.6
E	07 53.9
MAR 27	
H-20 02 47.8	
86.1N 114.7W	
h ABOUT 33KM	
BMO EP	20 10 36.5
EUR IP	20 11 11.0
MAR 27	
COL EP	20 07 13.0
MAR 27	
H-20 57 16.0	
37.8N 115.0E	
h ABOUT 5KM	
BRW E(P)	21 06 43.9
COL EP	21 07 19.0
NEW EP	21 09 42.0
HHM EP	21 09 48.0
BMO EP	21 09 53.6
EUR IP	21 10 19.9
FGU EP	21 10 27.5

Date and Station	Phase (GCT)
	h m s
MAR 27	
H-21 07 30.4	
14.5N 093.5W	
h ABOUT 33KM	
TUC EP	21 12 42.5
E	12 52.4
EUR EP	21 13 59.0
BMO E(P)	21 14 33.5
COL E(P)	21 17 50.0
MAR 27	
BMO E(P)	21 16 56.8
MAR 27	
BMO E(P)	22 45 22.6
MAR 27	
TUC EP	22 55 50.7
MAR 27	
H-23 12 49.1	
09.8N 083.3W	
h ABOUT 61KM	
SJG EP	23 17 02.8
TUC EP	23 19 27.4
EUR IP	23 20 33.0
BMO EP	23 21 05.1
COL IP	23 23 58.2
MAR 27	
HHM EP	23 22 43.6
E	22 50.1
MAR 28	
H-00 04 18.3	
09.0N 083.3W	
h ABOUT 45KM	
BHP IP	00 05 14.5
EUR E(P)	00 12 17.0
BMO EP	00 12 38.4
COL EP	00 15 33.0
MAR 28	
BMO EP	00 06 27.6
MAR 28	
H-00 33 30.2	
09.5N 083.1W	
h ABOUT 46KM	
BHP IP	00 34 24.5
IL	35 10.0
EUR E(P)	00 41 18.3
BMO E(P)	00 41 50.4
COL EP	00 44 42.0
MAR 28	
BMO EP	01 06 14.3

Date and Station	Phase (GCT)
	h m s
MAR 28	
BMO E(P)	01 24 01.2
EUR IP	01 24 32.0
MAR 28	
BCN IP D	01 36 46.8
IS	36 47.8
MAR 28	
BCN IP D	02 52 55.3
IS	52 56.1
MAR 28	
COL EP	03 26 28.8
MAR 28	
H-03 26 30.9	
37.4N 114.9E	
h ABOUT 33KM	
BRW EP	03 35 58.8
COL IP	03 36 34.4
HHM E(P)	03 39 01.0
BMO EP	03 39 07.4
E	40 01.9
EUR IP	03 39 33.8
FGU EP	03 39 39.0
MAR 28	
COL E(P)	03 55 56.1
MAR 28	
H-04 04 47.3	
38.8N 022.0E	
h ABOUT 87KM	
BMO E(P)	04 17 34.7
MAR 28	
BMO EP	04 41 43.3
E	42 03.5
MAR 28	
COL EP	04 42 31.0
MAR 28	
H-04 44 12.0	
32.1S 078.9E	
h ABOUT 33KM	
BRW EP'	05 03 22.1
COL EP'	05 03 31.5
E(PP)	06 14.0
SJG IP'	05 03 49.0
NEW EP'	05 04 08.0
IP'	04 48.0
HHM IP'	05 04 54.0
BMO EP'	05 04 11.8
EP'	04 58.2
BOZ EP'	05 04 14.5
EP'	05 06.9

Date and Station	Phase (GCT)
	h m s
EUR EP'	05 04 16.7
IP'	05 15.5
BCN EP'	05 04 19.5
EP'	05 25.0
FGU EP'	05 05 28.4
TUC EP'	05 04 20.5
MAR 28	
EUR E(P)	06 28 53.5
BMO E(P)	06 28 56.7
COL EP	06 28 57.0
MAR 28	
COL IP	07 18 01.0
BOZ EP	07 18 21.5
BMO EP	07 18 42.8
MAR 28	
H-08 54 52.5	
55.5S 001.2W	
h ABOUT 33KM	
BMO EP'	09 14 15.8
MAR 28	
COL EP	09 15 32.0
MAR 28	
BMO EP	11 13 51.8
MAR 28	
H-12 08 40.4	
55.5S 001.4W	
h ABOUT 33KM	
BMO EP'	12 28 04.1
HHM EP'	12 28 07.0
BRW EP'	12 29 19.8
COL EP'	12 29 20.0
MAR 28	
BMO EP	12 18 04.4
MAR 28	
ALQ E(P)	12 31 28.3
TUC EP	12 31 32.4
BCN EP	12 32 17.6
FGU EP	12 32 24.9
EUR EP	12 32 44.2
BOZ EP	12 33 07.5
MAR 28	
TUC E(P)	12 42 32.6
MAR 28	
BMO E(P)	12 56 08.4
COL EP	12 56 20.2

Date and Station	Phase (GCT)
	h m s
MAR 28	
H-14 03 05.7	
38.1N 114.8E	
h ABOUT 33KM	
BRW EP	14 12 27.9
COL EP	14 13 04.0
BMO EP	14 15 38.0
EUR IP	14 16 03.2
FGU EP	14 16 10.6
MAR 28	
NEW EP	14 40 03.0
IS	40 30.0
MAR 28	
H-15 29 21.2	
4.0S 080.9W	
h ABOUT 39KM	
BHP IP	15 32 26.0
SJG IP C	15 34 55.2
ES	39 27.0
ALQ IP	15 37 40.2
I	37 54.4
TUC IP C	15 37 42.6
E	55 03.0
GCA EP	15 38 13.1
BCN EP	15 38 20.3
FGU EP	15 38 26.7
ES	45 49.2
RCD E(P)	15 38 27.0
EUR IP C	15 38 44.1
I	38 55.0
SLD EP	15 38 53.0
BMO EP	15 39 14.7
EPP	41 34.0
HHM IP	15 39 24.0
NEW IP	15 39 31.6
COL EP	15 41 48.0
BRW EP C	15 42 13.8
E	42 26.8
MAR 28	
H-15 46 07.0	
17.4N 145.7E	
h ABOUT 201KM	
GUA IP	15 47 10.0
BRW IP C	15 56 15.0
COL IP	15 56 20.9
I▸P	57 07.3
BMO E(P)	15 57 58.7

Date and Station	Phase (GCT)
	h m s
NEW IP	15 58 05.1
I▸P	58 54.0
SLD IP C	15 58 06.9
I▸P	58 55.7
BMO IP	15 58 09.0
E▸P	58 54.5
HHM IP C	15 58 15.0
E▸P	59 01.0
EUR IP C	15 58 23.0
I▸P	59 09.5
EPP	16 01 40.7
BUT IP	15 58 23.8
I	58 08.8
CED EP	15 58 25.7
BOZ EP C	15 58 27.5
I▸P	59 18.0
BCN EP	15 58 32.5
FGU IP C	15 58 42.8
E▸P	59 31.5
ES	16 09 14.0
GCA EP	15 58 42.8
TUC EP	15 58 54.0
E▸P	59 43.8
ALQ IP	15 59 04.2
I▸P	59 54.2
RCD EP	15 58 55.8
E▸P	59 45.5
MAR 28	
ALQ IP	15 55 04.6
MAR 28	
BOZ EP	16 01 28.0
MAR 28	
HON E(P)	16 06 10.0
MAR 28	
SJG EP	16 08 06.0
MAR 28	
H-16 04 59.8	
28.6N 138.8E	
h ABOUT 525KM	
GUA IP	16 08 22.0
BRW EP	16 13 42.6
EPCP	14 35.2
COL E(P)	16 13 59.0
BMO IP	16 16 12.4
I▸P	18 03.9
HHM IP	16 16 13.5
BOZ EP	16 16 27.8
EUR EP	16 16 31.0
E▸P	18 27.5

Date and Station	Phase (GCT)
	h m s
MAR 28	
SJG E(P)	16 55 43.5
MAR 28	
H-17 42 44.2	
04.0S 080.8W	
h ABOUT 20KM	
BHP IP	17 45 53.0
SJG IP C	17 48 20.0
ES	53 06.5
ALQ IP	17 51 06.0
IS	57 48.0
TUC IP	17 51 07.8
E	51 20.5
ES	57 52.0
GCA EP	17 51 39.2
BCN EP	17 51 47.0
FGU EP	17 51 52.5
ES	59 13.5
E	59 30.0
RCD EP	17 51 54.0
EUR EP D	17 52 09.8
I	52 18.3
BUT E(P)	17 52 17.7
SLD EP	17 52 20.5
BOZ EP	17 52 26.5
E	52 39.5
HHM E(P)	17 52 38.0
BMO EP	17 52 40.2
CED E(P)	17 52 49.8
NEW EP	17 52 57.0
COL EP	17 55 14.0
BRW IP D	17 55 40.0
MAR 28	
H-18 20 11.0	
04.0S 080.7W	
h ABOUT 45KM	
SJG E(P)	18 25 43.8
ALQ IP	18 28 29.6
TUC EP	18 28 31.9
E	28 40.5
EUR E(P)	18 29 41.5
BOZ E(P)	18 29 45.0
BMO E(P)	18 30 13.6
MAR 28	
H-18 56 19.7	
04.0S 080.7W	
h ABOUT 39KM	

Date and Station	Phase	Phase (GCT) h m s
SJG	EP	19 01 54.0
ALQ	IP	19 04 38.5
TUC	EP	19 04 41.5
	E	04 50.0
FGU	E(P)	19 05 30.8
	E	05 34.0
EUR	EP	19 05 42.5
	E	05 51.1
BMO	EP	19 06 14.1
NEW	E(P)	19 06 38.0
MAR 28		
BOZ	EP	19 05 06.5
MAR 28		
H-19 12 29.4		
21.1S 174.4W		
h ABOUT 80KM		
EUR	E(P)	19 24 46.3
BMO	EP	19 24 51.2
COL	EP	19 25 10.0
MAR 28		
EUR	E(P)	19 22 13.0
MAR 28		
BMO	EP	19 36 11.6
MAR 28		
BMO	EP	19 48 18.6
MAR 28		
ALQ	IP	19 54 25.5
	I	55 02.0
MAR 28		
BMO	EP	20 11 19.8
MAR 28		
RCD	EP	20 19 40.0
	ES	19 43.5
MAR 28		
H-20 29 32.7		
4.0S 080.9W		
h ABOUT 25KM		
BHP	EP	20 32 38.0
SJG	E(P)	20 35 18.2
ALQ	IP	20 37 53.5
	I	38 09.5
TUC	EP	20 37 56.5
FGU	EP	20 38 40.1
EUR	IP	20 38 57.8
BOZ	EP	20 39 14.0
BMO	EP	20 39 28.1
HHM	EP	20 39 37.0
NEW	EP	20 39 45.0
BRW	EP	20 42 26.3
MAR 28		
BMO	EP	22 01 47.6
	E(S)	02 06.3
MAR 28		
TUC	EP	22 22 39.5
EUR	EP	22 23 51.1
BMO	EP	22 24 29.0
MAR 28		
ALQ	IP	22 31 47.5
	I	31 55.0
	I	32 07.0
MAR 28		
COL	E(P)	22 53 38.0
MAR 29		
BMO	EP	00 41 04.0
	E(S)	42 27.7
MAR 29		
BMO	EP	01 16 36.9
MAR 29		
BMO	E(P)	01 21 34.1
MAR 29		
KIP	IP	01 31 43.1
HON	IP	01 31 45.3
MAR 29		
H-02 08 44.6		
32.0S 178.6W		
h ABOUT 12KM		
EUR	IP	02 21 54.0
BMO	EP	02 22 05.7
MAR 29		
H-02 17 39.0		
23.7N 142.1E		
h ABOUT 82KM		
GUA	I(P)	02 20 12.0
	ES	22 12.0
KIP	IP	02 27 04.4
	I	32 02.3
HON	IP	02 27 05.0
BRW	IP	02 27 29.0
	I	27 34.9
	I▸P	27 50.4
	EPP	29 52.7
	ES	35 33.5
	EP'P'	57 06.0
COL	EP C	02 27 40.3
	I	29 47.1
	ES	35 51.7
	EP'P'	56 58.7
UKI	E(P)	02 29 35.0
NEW	IP	02 29 38.0
	I▸P	30 00.0
BMO	IP	02 29 45.1
SLD	IP	02 29 47.5
	I▸P	30 08.0
	IS	39 48.0
HHM	IP C	02 29 48.0
	E	30 16.9
	IS	39 50.9
	E	40 19.9
BUT	IP	02 29 57.9
	E	34 15.7
EUR	IP C	02 30 01.6
	I▸P	30 22.4
	I	32 50.5
	EPP	33 15.8
	ESKS	40 15.5
	EPKKP	48 20.0
	EP'P'	56 29.1
	ESKPP'	59 33.0
BOZ	IP C	02 30 02.5
	I▸P	30 25.0
	ES	40 18.0
	E	41 30.0
CED	EP	02 30 07.3
SLC	IP C	02 30 12.8
	E▸P	30 34.3
	I	30 49.3
BCN	IP C	02 30 13.6
	E▸P	30 35.7
	ESKS	40 40.5
	ES	40 53.8
	EP'P'	56 15.5
FGU	IP C	02 30 20.1
	E▸P	30 43.8
	ESKS	40 37.5
	ES	40 52.5
GCA	IP C	02 30 22.1
	I	30 49.2
	EPP	33 53.0
	ES	40 57.0
RCD	EP	02 30 31.0
	E	30 41.0
	E▸P	30 53.0
	ESKS	40 48.0
	ES	41 14.0
TUC	EP	02 30 36.5
ALQ	IP	02 30 43.5
	IPP	34 25.4
SJG	IP'	02 36 40.5
	ISKP	39 52.5
	IPKS	40 05.0
	E	40 40.5
MAR 29		
BMO	E(P)	02 39 02.9
MAR 29		
BMO	E(P)	02 47 04.0
MAR 29		
COL	IP	02 50 45.0
MAR 29		
EUR	EP	03 05 38.8
MAR 29		
COL	EP	03 09 18.9
	E	09 34.8
MAR 29		
BRW	IP C	03 21 37.7
	E▸P	23 10.0
COL	EP	03 21 49.0
MAR 29		
H-04 05 07.3		
08.5S 106.0E		
h ABOUT 61KM		
BMO	EP'	04 24 10.3
EUR	EP'	04 24 17.8
MAR 29		
COL	EP	04 12 28.9
MAR 29		
BRW	EP	04 57 05.4
MAR 29		
BMO	E(P)	05 33 04.4
MAR 29		
GCA	EP	05 52 37.7
EUR	EP	05 53 06.0
MAR 29		
H-06 11 57.8		
37.4N 115.0E		
h ABOUT 17KM		
GUA	IP	06 18 57.0
BRW	IP C	06 21 25.6
COL	IP C	06 22 02.5
	I	22 30.3
NEW	EP	06 24 23.0
HHM	EP	06 24 30.0
	E	24 41.0
BMO	EP	06 24 36.3
BUT	E(P)	06 24 36.7
BOZ	EP	06 24 45.0
EUR	EP C	06 25 00.9
	E	25 27.0
	EPP	28 29.3
SLC	EP	06 25 05.5
RCD	EP	06 25 07.5
FGU	EP	06 25 08.3
BCN	EP	06 25 16.0

Date and Station	Phase (GCT)
	h m s
MAR 29	
COL EP	06 33 03.0
BMO EP	06 35 36.7
MAR 29	
COL E(P)	06 36 45.3
MAR 29	
COL EP	06 44 29.0
BMO EP	06 47 03.0
FGU E(P)	06 47 34.8
MAR 29	
BMO EP	07 03 35.2
MAR 29	
BMO EP	07 10 16.6
MAR 29	
BMO EP	09 20 06.2
MAR 29	
H-09 32 19.6	
7.1N 073.4W	
h ABOUT 135KM	
BOZ E(P)	09 41 06.5
BMO E(P)	09 41 28.6
MAR 29	
H-10 06 12.3	
7.4N 073.8W	
h ABOUT 153KM	
BCN E(P)	10 14 30.5
EUR EP	10 14 49.2
BOZ EP	10 14 53.5
EpP	15 26.0
BMO EP	10 15 18.8
COL EP	10 17 46.8
MAR 29	
BMO EP	10 49 43.2
MAR 29	
H-10 42 15.2	
20.0S 175.4W	
h ABOUT 97KM	
BMO E(P)	10 52 53.6
SLD IP	10 53 55.5
CED EP	10 54 00.1
BCN IP C	10 54 14.5
IpP	54 39.4
TUC EP	10 54 20.1
EUR EP	10 54 21.2
IpP	54 46.4
GCA EP	10 54 30.4
EpP	54 55.0

Date and Station	Phase (GCT)
	h m s
BMO EP	10 54 33.2
EpP	54 58.4
SLC IP	10 54 39.1
I	55 11.8
ALQ IP	10 54 42.8
IpP	55 07.6
NEW IP	10 54 43.5
BUT EP	10 54 44.9
FGU IP C	10 54 46.3
EpP	55 11.5
BUT EP	10 54 49.8
COL IP	10 54 51.6
IpP	55 17.4
BOZ EP	10 54 52.0
EpP	55 17.5
HHM EP	10 54 52.0
EpP	55 18.9
RCD EP	10 55 12.5
MAR 29	
BMO E(P)	11 04 30.5
EUR E(P)	11 05 06.0
MAR 29	
COL IP	11 12 15.6
MAR 29	
COL IP	11 27 13.5
MAR 29	
H-11 38 22.1	
15.2S 166.8E	
h ABOUT 101KM	
COL EP	11 50 56.0
MAR 29	
TUC E(P)	12 05 16.0
MAR 29	
ALQ E(P)	12 08 40.0
MAR 29	
BMO E(P)	12 24 42.7
MAR 29	
H-12 55 04.0	
41.2N 125.6W	
h ABOUT 16KM	
UKI EP	12 55 49.5
SLD E(P)	12 56 25.5
IL	57 27.8
BMO EP	12 56 49.7
EUR IP	12 56 57.8
CED IP	12 57 24.3
BOZ E(P)	12 57 45.0

Date and Station	Phase (GCT)
	h m s
FGU EP	12 58 04.3
MAR 29	
BMO EP	13 34 37.6
COL EP	13 36 11.0
MAR 29	
BMO EP	13 39 14.0
BOZ EP	13 39 36.5
EUR IP	13 39 46.3
MAR 29	
H-14 59 58.5	
19.1N 107.9W	
h ABOUT 33KM	
EUR IP	15 04 47.8
BMO EP	15 05 36.0
MAR 29	
H-15 37 36.9	
16.9N 096.0W	
h ABOUT 43KM	
ALQ E(P)	15 42 11.0
I	42 31.0
MAR 29	
BOZ E(P)	15 42 00.0
MAR 29	
H-15 44 58.3	
37.5N 115.1E	
h ABOUT 33KM	
BRW EP	15 54 23.5
COL IP	15 54 58.4
BMO EP	15 57 32.9
HHM E(P)	15 57 36.0
BOZ EP	15 57 42.0
EUR IP	15 57 57.2
FGU EP	15 58 05.0
MAR 29	
H-16 23 02.4	
16.1S 172.8W	
h ABOUT 7KM	
BMO EP	16 35 08.6
COL IP	16 35 28.8
MAR 29	
COL EP	17 01 38.0
MAR 29	
EUR E(P)	17 23 40.5
BMO E(P)	17 24 36.3
MAR 29	
EUR E(P)	17 50 32.5

Date and Station	Phase (GCT)
	h m s
MAR 29	
BMO E(P)	17 55 11.3
MAR 29	
TUC E(P)	18 03 16.8
MAR 29	
ALQ IP	18 25 16.0
I	25 41.2
MAR 29	
H-18 29 12.4	
03.9S 144.6E	
h ABOUT 33KM	
COL EP	18 41 42.0
E	41 56.5
MAR 29	
EUR EP	19 14 55.0
MAR 29	
BHP EP	19 38 17.5
MAR 29	
BMO E(P)	19 57 53.7
MAR 29	
EUR IP	20 17 08.3
MAR 29	
H-20 26 58.6	
57.4N 139.7W	
h ABOUT 33KM	
SIT IP	20 27 35.0
COL EP	20 29 02.0
NEW EP	20 30 47.0
BRW E(P)	20 30 53.4
HHM EP	20 31 06.0
BMO IP	20 31 16.0
BOZ EP	20 31 41.0
BUT EP	20 31 51.4
EUR EP	20 32 08.5
I	32 18.1
MAR 29	
CED IP	21 00 34.3
MAR 29	
FGU IP	21 14 00.3
IL	14 28.0
GCA IP C	21 14 00.5
IL	14 28.3
MAR 29	
KIP I	21 28 23.4
MAR 29	
NEW EP	21 28 46.0
BMO IP	21 29 00.4
BOZ EP	21 29 23.4
E	29 33.5

Date and Station	Phase	Phase (GCT) h m s
MAR 29		
SJG	E(P)	21 52 46.7
MAR 29		
BMO	E(P)	22 04 56.9
MAR 29		
ALQ	IP	22 19 10.0
	I	19 45.0
MAR 29		
EUR	EP	22 21 56.0
MAR 29		
ALQ	IP	22 32 59.0
	I	33 37.5
MAR 29		
H-22 57 16.4		
53.8N 165.7W		
h ABOUT 40KM		
COL	EP	23 00 38.0
NEW	EP	23 03 27.0
BMO	E(P)	23 03 42.5
HHM	IP	23 03 42.9
BOZ	EP	23 04 08.2
EUR	IP	23 04 18.0
	IpP	04 29.0
	EPCP	06 36.2
MAR 29		
ALQ	EP	23 07 09.0
MAR 29		
BMO	E(P)	23 16 27.8
MAR 29		
NEW	EP	23 22 16.0
	ES	22 34.0
BMO	E(P)	23 22 50.2
MAR 29		
H-23 22 35.1		
38.5N 029.4E		
h ABOUT 37KM		
BMO	E(P)	23 35 39.3
MAR 29		
BOZ	EP	23 32 57.5
	E	33 37.5
MAR 29		
COL	EP	23 42 26.0
MAR 30		
GCA	E(P)	00 29 59.0
MAR 30		
SJG	EP	00 57 43.5
	IL	58 17.4
MAR 30		
H-01 26 35.7		
10.3S 161.6E		
h ABOUT 50KM		
COL	IP	01 39 00.0
EUR	IP C	01 39 35.8
	IpP	39 47.8
BMO	EP	01 39 35.9
BCN	EP	01 39 37.3
NEW	IP	01 39 40.0
	I	39 52.0
TUC	E(P)	01 39 48.5
BOZ	EP	01 39 55.0
	EpP	40 08.5
ALQ	EP	01 40 06.0
MAR 30		
BMO	E(P)	01 27 11.8
MAR 30		
BMO	EP	01 34 33.0
MAR 30		
H-01 34 34.1		
17.6S 179.0W		
h ABOUT 541KM		
EUR	E(P)	01 45 57.5
BMO	EP	01 46 06.7
COL	EP	01 46 15.0
MAR 30		
HON	E	02 34 25.0
MAR 30		
BOZ	EP	02 53 49.7
	E	56 35.0
MAR 30		
KIP	IP	03 02 15.6
MAR 30		
EUR	E(P)	03 52 14.5
MAR 30		
BMO	E(P)	04 01 38.3
MAR 30		
BMO	EP	04 13 26.2
MAR 30		
H-04 18 38.3		
21.8N 062.2E		
h ABOUT 33KM		
COL	E(P)	04 31 45.9
BMO	EP'	04 37 14.8
NEW	E(PP)	04 37 30.0
EUR	IP'	04 37 31.1
TUC	EP'	04 37 40.0
MAR 30		
SJG	IP	04 29 42.3
	IS	30 32.7
MAR 30		
H-04 53 39.9		
29.8S 071.3W		
h ABOUT 77KM		
SJG	EP	05 02 09.0
TUC	E(P)	05 05 00.7
EUR	IP	05 05 46.0
BMO	EP	05 06 09.8
HHM	EP	05 06 16.0
MAR 30		
H-05 30 53.8		
28.6N 127.8E		
h ABOUT 33KM		
COL	EP	05 41 14.0
NEW	EP	05 43 20.0
HHM	EP	05 43 30.0
BMO	EP	05 43 31.0
	E(PP)	47 00.5
BOZ	EP	05 43 44.0
	E	43 47.5
EUR	IP	05 43 51.0
FGU	E(P)	05 44 04.5
MAR 30		
H-05 46 31.0		
51.9N 170.6W		
h ABOUT 33KM		
COL	E(P)	05 50 34.0
NEW	IP	05 53 11.4
BMO	EP	05 53 25.5
HHM	IP	05 53 28.0
BOZ	EP	05 53 50.7
EUR	EP	05 53 58.8
	E	55 42.0
TUC	EP	05 55 01.3
MAR 30		
BMO	E(P)	05 49 31.0
COL	E(P)	05 50 13.0
EUR	IP	05 50 32.8
MAR 30		
HHM	EP	05 57 30.0
BMO	E(P)	05 57 30.5
MAR 30		
BMO	E(P)	06 19 38.3
MAR 30		
BMO	E(P)	06 33 28.7
EUR	EP	06 33 56.5
MAR 30		
BMO	E(P)	07 00 27.7
MAR 30		
BMO	E(P)	07 12 11.6
MAR 30		
BMO	E(P)	07 52 50.7
MAR 30		
BMO	E(P)	08 03 56.0
MAR 30		
ALQ	IP	08 06 42.8
	I	07 12.0
GCA	EP	08 07 05.5
	E	07 14.0
	EL	07 57.6
EUR	E(P)	08 07 33.5
MAR 30		
BMO	E(P)	08 11 58.5
MAR 30		
H-08 15 03.5		
29.2N 131.3E		
h ABOUT 19KM		
COL	EP	08 25 11.0
BMO	EP	08 27 31.6
MAR 30		
NEW	EP	08 28 46.0
BMO	E(P)	08 29 03.7
EUR	IP	08 30 06.8
MAR 30		
COL	EP	09 23 20.4
	E(S)	24 24.0
MAR 30		
BMO	E(P)	11 06 41.8
MAR 30		
EUR	E(P)	11 26 23.0
MAR 30		
H-11 29 55.7		
16.6S 177.2W		
h ABOUT 393KM		
EUR	EP	11 41 23.1
TUC	E(P)	11 41 25.2
BMO	EP	11 41 33.4
COL	EP	11 41 43.0
BOZ	EP	11 41 53.2
MAR 30		
H-12 40 01.0		
49.8N 129.7W		
h ABOUT 33KM		

Date and Station	Phase (GCT)
	h m s
NEW EP	12 42 01.0
EL	44 20.0
BMO EP	12 42 21.4
HHM IP	12 42 29.0
I	43 23.0
IS	44 22.0
BUT E(P)	12 42 47.7
EL	46 09.2
UKI E(P)	12 42 49.3
BOZ EP	12 43 03.0
I	43 06.0
I	43 19.0
ES	45 30.0
SLD IP	12 43 19.5
ES	46 12.0
IL	48 11.0
EUR IP	12 43 22.8
IS	46 02.0
EL	47 46.0
SLC EP	12 43 36.4
ES	46 45.2
FGU EP C	12 43 55.0
SIT E(P)	12 43 56.0
BCN EP	12 44 06.6
ES	48 00.5
IL	50 50.0
COL EP	12 44 07.5
I	44 13.5
IS	47 45.0
IL	50 10.0
CED EP	12 44 12.7
GCA EP	12 44 15.0
TUC EP	12 44 57.0
ES	49 08.0
ALQ IP	12 45 00.5
IS	49 26.0
BRW E(P)	12 45 21.3
I	45 23.8
WSC E(P)	12 47 21.0
E	47 35.0
PHI E(P)	12 47 37.7
PP	49 06.0
ES	53 30.5
CSC I(S)	12 53 04.0
E	13 00 00.0
SJG E(P)	12 49 55.3
E	50 03.0
ES	58 12.0
MAR 30	
TUC E(P)	12 58 08.0

Date and Station	Phase (GCT)
	h m s
MAR 30	
BHP EP	13 09 09.0
MAR 30	
H-13 09 20.4	
19.5S 175.6W	
h ABOUT 205KM	
GUA I(P)	13 18 15.0
BCN EP	13 21 07.7
TUC EP	13 21 12.7
EUR EP	13 21 13.2
BMO EP	13 21 24.8
ALQ IP	13 21 35.5
COL EP	13 21 41.0
MAR 30	
H-13 13 45.7	
04.7S 153.0E	
h ABOUT 78KM	
COL EP	13 25 55.0
BMO EP	13 26 51.9
E	27 24.7
EUR EP	13 26 55.4
MAR 30	
COL EP	13 56 52.9
MAR 30	
BMO E(P)	14 07 13.5
EUR EP	14 08 15.5
MAR 30	
BMO IP	14 14 09.3
E(S)	14 36.0
BOZ E(P)	14 14 18.0
EL	14 50.0
MAR 30	
COL EP	14 24 13.0
BMO E(P)	14 24 39.8
MAR 30	
COL EP	14 40 37.0
MAR 30	
BMO EP	16 38 33.3
EUR IP	16 39 42.1
ALQ E(P)	16 40 29.5
I	41 14.5
MAR 30	
COL IP	16 48 47.2
MAR 30	
COL EP	17 28 28.0

Date and Station	Phase (GCT)
	h m s
MAR 30	
H-17 31 29.4	
24.1N 122.7E	
h ABOUT 38KM	
COL E(P)	17 42 27.2
NEW IP	17 44 28.5
HHM IP	17 44 36.0
E	44 45.5
EUR E(P)	17 44 56.0
MAR 30	
NEW EP	17 37 25.0
MAR 30	
ALQ IP	17 40 33.8
I	41 04.2
TUC E(P)	17 41 01.0
MAR 30	
ALQ I(P)	17 54 47.0
TUC E(P)	17 54 49.2
EUR E(P)	17 55 37.7
HHM EP	17 56 08.0
MAR 30	
NEW EP	18 20 31.0
MAR 30	
H-18 46 19.0	
39.8N 143.2E	
h ABOUT 15KM	
COL E(P)	18 54 44.0
NEW EP	18 57 14.0
BOZ EP	18 57 42.5
E	57 52.0
EUR E(P)	18 57 50.3
MAR 30	
ALQ IP	20 20 42.4
MAR 30	
H-20 40 44.1	
32.5S 178.0W	
h ABOUT 16KM	
TUC E(P)	20 53 47.0
EUR IP	20 53 53.0
MAR 30	
SJG E(P)	21 10 20.5
EL	11 28.5
MAR 30	
COL EP	21 26 04.0
MAR 30	
EUR E(P)	21 29 30.8
MAR 30	
EUR E(P)	22 06 09.5

Date and Station	Phase (GCT)
	h m s
MAR 30	
BHP IP	22 18 47.0
IS	19 05.0
MAR 30	
COL EP	22 34 20.0
MAR 30	
COL EP	23 08 43.0
MAR 30	
COL EP	23 53 33.0
MAR 30	
COL EP	23 57 35.0
MAR 31	
H-00 55 50.1	
05.4N 076.2W	
h ABOUT 98KM	
BHP IP	00 57 03.0
IS	58 00.0
MAR 31	
H-00 56 39.3	
29.9N 111.8W	
h ABOUT 33KM	
TUC EPN	00 57 19.7
EL	58 30.0
ALQ EP	00 58 19.0
EUR E(P)	00 59 06.0
MAR 31	
BCN E(P)	01 00 39.7
MAR 31	
SLC EP	01 52 09.7
EUR IP	01 53 06.0
MAR 31	
TUC E(P)	03 07 17.0
MAR 31	
H-05 05 54.7	
17.3S 167.8E	
h ABOUT 34KM	
COL IP	05 18 45.0
BCN EP	05 18 53.5
EUR EP	05 18 55.0
TUC EP	05 19 02.0
SJG EP'	05 25 02.5
MAR 31	
GUA EP	05 15 13.0
ES	19 04.0
BOZ E(P)	05 22 11.0
E	06 14.0
EUR IP	05 22 20.0
TUC EP	05 22 51.8
ALQ EP	05 23 14.0

Date and Station	Phase	Phase (GCT) h m s
MAR 31		
HON	E(P)	05 22 29.5
	E(S)	29 15.5
MAR 31		
H-05 55 06.4		
37.9N 114.7E		
h ABOUT 33KM		
COL	IP	06 05 04.8
EUR	EP	06 08 05.8
MAR 31		
COL	EP	08 42 57.0
MAR 31		
H-11 49 09.8		
34.1N 117.3W		
h ABOUT 14KM		
CED	I(P)	11 49 15.1
BCN	EP	11 49 54.8
	I	50 03.2
	EL	50 39.5
EUR	EP	11 50 33.8
	EL	52 05.2
MAR 31		
COL	EP	11 56 58.0
MAR 31		
TUC	E(P)	12 10 46.5
MAR 31		
COL	EP	12 21 37.7
MAR 31		
COL	EP	13 54 43.9
MAR 31		
EUR	EP	13 58 29.3
MAR 31		
ALQ	IP	14 24 47.0
	IS	24 49.8
MAR 31		
H-14 33 24.8		
33.1S 178.4W		
h ABOUT 33KM		
TUC	EP	14 46 28.0
BCN	E(P)	14 46 28.0
EUR	EP	14 46 33.7
MAR 31		
BCN	EP	15 00 03.4
MAR 31		
H-16 18 18.3		
51.9N 170.1W		
h ABOUT 33KM		
COL	E(P)	16 22 20.3
EUR	EP	16 25 43.2
MAR 31		
H-16 57 25.8		
20.6S 178.9W		
h ABOUT 620KM		
EUR	EP	17 08 52.2
BMO	EP	17 09 02.8
COL	EP	17 09 13.6
MAR 31		
BMO	EPG	17 50 17.3
	E(S)	51 01.4
MAR 31		
BMO	IP	18 07 17.4
BOZ	EP	18 07 22.0
	E	07 58.0
COL	E(P)	18 07 40.6
ALQ	IP	18 10 18.5
	I	10 43.6
MAR 31		
H-18 53 42.7		
11.7N 143.4E		
h ABOUT 33KM		
GUA	IP	18 54 20.0
	ES	54 48.0
COL	IP	19 04 54.8
NEW	EP	19 06 30.0
BMO	EP	19 06 33.9
EUR	EP	19 06 45.5
MAR 31		
BMO	E(P)	19 08 49.7
MAR 31		
NEW	IP	19 30 12.1
	IS	30 27.5
MAR 31		
H-20 13 35.6		
21.7S 179.1W		
h ABOUT 580KM		
EUR	IP	20 25 09.8
TUC	EP	20 25 10.0
BMO	EP	20 25 21.2
COL	EP	20 25 31.5
ALQ	EP	20 25 31.5
MAR 31		
NEW	EP	20 44 51.0
MAR 31		
ALQ	EP	20 47 15.0
	I	48 44.0
MAR 31		
COL	IP	20 48 57.8
MAR 31		
BMO	E(P)	20 48 33.7
MAR 31		
BMO	IP	21 07 05.9
MAR 31		
SLD	I(P)	21 29 08.2
	IS	29 24.5
MAR 31		
EUR	IP	21 31 25.8
MAR 31		
SJG	IP C	21 44 22.7
	IS	44 32.8
MAR 31		
BMO	E(P)	22 08 25.8
MAR 31		
BMO	EP	22 24 49.3
MAR 31		
H-22 34 04.4		
53.7S 3.0W		
h ABOUT 33KM		
HHM	EP'	22 53 25.0
BMO	EP'	22 53 25.7
MAR 31		
BMO	E(P)	22 59 38.9
MAR 31		
BMO	E(P)	23 09 57.8
MAR 31		
H-23 38 01.2		
36.4N 070.8E		
h ABOUT 207KM		
BRW	IP C	23 48 36.1
COL	IP C	23 49 18.5
	I	50 13.7
	IPP	52 08.6
NEW	IP	23 51 03.6
	E	54 38.0
	E(PP)	54 50.0
BOZ	EP	23 51 17.0
	EPP	55 10.0
BMO	EP	23 51 18.0
EUR	EP	23 51 43.3
	EPP	55 49.6
ALQ	IP	23 52 08.0
MAR 31		
TUC	E(P)	23 55 27.5
MAR 31		
SLD	EP	23 55 43.0
MAR 31		
SLC	EP	23 57 09.3