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SEISMOLOGICAL BULLETIN

FEBRUARY 1967

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U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

1969

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SEISMOLOGICAL BULLETIN

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SEISMOGRAPH STATIONS

STATION	CODE	LATITUDE	LONGITUDE	ELEVATION (M)	FOUNDATION	REMARKS
Adak, Alaska	ADK	51°53'01.4"N	176°34'49.4"W	117	Volcanic	SPZ telemetered to Palmer, Alaska. Part of Alaska Tsunami Warning System.
Albuquerque, New Mexico	ALQ	34°56'30" N	106°27'30" W	1853	Granite	
Balboa Heights, Canal Zone	BHP	8°57'39" N	79°33'29" W	36	Rhyolite	Operated by the Panama Canal Company.
Barrow, Alaska	BRW	71°18'12" N	156°44'54" W		Silt over Sand	
Biorka, Alaska	BIO	56°51'06" N	135°33'30" W	61		Telemetered to Sitka and Palmer, Alaska. Part of Alaska Tsunami Warning System.
Blue Mountains Obsy., Oregon	BMO	44°50'56" N	117°18'20" W	1189	Granite	Multi-Element Array. Geographic coordinates at seismometer Z3.
Boulder City, Nevada	BCN	35°58'51" N	114°50'02" W	776	Fractured Monzonite	Operated by Bureau of Reclamation.
Bozeman, Montana	BZM	45°40'01" N	111°02'43" W	1490	Alluvium	Operated by Montana State College.
Bozeman, Montana	BOZ	45°36'00" N	111°37'55" W	1575	Granite Gneiss	Operated by Montana State College.
Butte, Montana	BUT	46°00'48" N	112°33'48" W	1758	Rhyolite	Operated by Montana School of Mines.
Cedar Springs, California	CED	34°16'38" N	117°20'03" W	1067		Operated by Calif. Dept. of Water Resources. Closed 7/1/67.
College Outpost, Alaska	COL	64°54'00" N	147°47'36" W	312	Schist	
College, Alaska	CMO	64°51'36" N	147°50'06" W	180	Schist	
Columbia, South Carolina	CSC	34°00'00" N	81°02'00" W	94	Consolidated Sand	Operated by University of South Carolina.
Cumberland Plateau Obsy., Tenn.	CPO	35°35'41" N	85°34'13" W	574	Sandstone/ Limestone	Multi-Element Array. Geographic coordinates at seismometer Z8.
Eureka, Nevada	EUR	39°29'00" N	115°58'12" W	2278	Dolomite	Operated by Eureka Corporation Limited.
Flaming Gorge, Utah	FGU	40°55'36" N	109°23'20" W	1982	Quartzite	Operated by Bureau of Reclamation.
Fort Barrette, Hawaii	BAH	21°20'23.0"N	158°04'37.8"W	50	Basalt	Telemetered to the Honolulu Observatory.
Gilmore Creek, Alaska	GIL	64°58'30" N	147°29'42" W	350	Schist	Telemetered to Palmer, Alaska. Part of Alaska Tsunami Warning System.
Glen Canyon, Arizona	GCA	36°58'25" N	111°35'35" W	1339	Sandstone	Operated by Bureau of Reclamation.
Guam, Mariana Island	GUA	13°32'18" N	144°54'42" E	230	Volcanic Tuff	
Honolulu, Hawaii	HON	21°18'13" N	158°05'44" W	3	Coral	Headquarters of Pacific Tsunami Warning System.
Hungry Horse, Montana	HHM	48°20'58" N	114°01'39" W	1100	Limestone	Operated by Bureau of Reclamation.
Kaena Point, Hawaii	KPH	21°34'34.1"N	158°16'31.6"W	150	Basalt	Telemetered to the Honolulu Observatory.
Kipapa, Hawaii	KIP	21°25'24" N	158°00'54" W	70	Basalt	

STATION	CODE	LATITUDE	LONGITUDE	ELEVATION (M)	FOUNDATION	REMARKS
Kodiak, Alaska	KDC	57°44'52.2"N	152°29'30" W	20	Alluvium	Telemetered to Palmer, Alaska. Part of Alaska Tsunami Warning System.
Las Vegas, Nevada	LVN	36°06'33" N	115°08'24" W	610	Alluvium	
Middleton Island, Alaska	MID	59°25'40.2"N	146°20'20.4"W		Sandstone	
Mokapu, Hawaii	MOK	21°27'23.4"N	157°44'11.5'W	120	Volcanic Tuff	Telemetered to the Honolulu Observatory.
Newport, Washington	NEW	48°15'48" N	117°07'12" W	762	Volcanic Slate	
Nordman, Idaho	NTI	48°37'48" N	116°57'48" W	823		Telemetered to the Newport Observatory.
Opana, Hawaii	OPA	21°41'26" N	158°00'43" W	150	Basalt	Telemetered to the Honolulu Observatory.
Palmer, Alaska	PMR	61°35'30" N	149°07'52" W	49	Volcanic	Headquarters of the Alaska Tsunami Warning System.
Palmer (South), Alaska	PMS	61°14'41" N	149°33'38" W	716		Telemetered to Palmer, Alaska. Part of Alaska Tsunami Warning System.
Palmer (West), Alaska	PWA	61°39'03" N	149°52'43" W	137	Alluvium	Telemetered to Palmer, Alaska. Part of Alaska Tsunami Warning System.
Philadelphia, Pennsylvania	PHI	39°57'32" N	75°10'30" W	5	Sand	Operated by the Franklin Institute.
Salt Lake City, Utah	SLC	40°45'55" N	111°50'54" W	1425	Lava Beds	Operated by University of Utah.
San Juan Geophysical Obsy., Puerto Rico	SJG	18°06'42" N	66°09'00" W	457	Volcanic Breccia	
San Luis Dam, California	SLD	37°04'29" N	121°13'14" W	443	Franciscan Formation	Operated by Bureau of Reclamation.
Sitka, Alaska	SIT	57°03'25" N	135°19'28" W	19	Graywacke	Telemetered to Palmer, Alaska. Part of Alaska Tsunami Warning System.
Tucson, Arizona	TUC	32°18'35" N	110°46'56" W	985	Granite	
Tucson Obsy., Arizona	TUO	32°14'48" N	110°50'06" W	770	Caliche	
Ukiah, California	UKI	39°08'14" N	123°12'38" W	199	Alluvium	International Latitude Observatory.
Washington, D.C.	WAS	38°53'33" N	77°01'59" W	0	Alluvium	
Washington Science Center, Maryland	WSC	39°03'01.8"N	77°07'25.2'W	120	Pelitic Schist	Headquarters of the National Earthquake Information Center.

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

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

Origin times followed by an asterisk indicate that the epicenters have been determined with incomplete or less reliable data such that we do not consider them as accurate as the computer solution would seem to indicate. Depth of focus may be restrained to normal (N) corresponding to 33km when the depth is poorly determined for shallow or small earthquakes. A depth followed by G indicates it has been restrained by the Geophysicist. D following the depth indicates it has been restrained to agree with reported depth phases.

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE
SERVICES ADMINISTRATION

COAST AND GEODETIC SURVEY
DON A. JONES DIRECTOR
ROCKVILLE, MARYLAND 20852

FEBRUARY 1967

FEB	GMT H	M	S	LAT	LONG	REGION AND COMMENTS	DEPTH KM	CGS MAG MB	SD	N
1	01	07	19.3	26.6 N	55.2 E	SOUTHERN IRAN	20	4.9	1.1	60
1	06	19	56.2	15.9 S	167.1 E	NEW HEBRIDES ISLANDS FELT AT LUGANVILLE.	19	4.5	1.5	7
1	06	24	36.2	16.0 S	167.1 E	NEW HEBRIDES ISLANDS FELT AT LUGANVILLE.	9		0.5	7
1	08	54	44.6	52.6 N	169.5 W	FOX ISLANDS, ALEUTIAN ISLANDS	68	4.4	1.0	22
1	09	18	51.5	55.6 N	160.7 E	KAMCHATKA	151	4.4	1.1	41
1	13	59	18.9*	11.5 S	165.2 E	SANTA CRUZ ISLANDS	29	4.4	0.8	7
1	14	01	21.1*	18.6 N	95.6 W	VERA CRUZ, MEXICO	23	3.7	0.4	7
1	14	21	07.8*	26.7 N	55.2 E	SOUTHERN IRAN	N		2.2	5
1	14	44	09.4	16.7 S	72.8 W	NEAR COAST OF PERU FELT AT AREQUIPA.	53	4.9	1.3	29
1	15	19	54.0	4.8 S	103.1 E	SOUTHERN SUMATRA	15	5.3	0.9	49
1	17	23	26.4*	7.0 N	72.5 W	NORTHERN COLOMBIA	170	4.0	0.6	6
1	17	44	43.6*	29.1 S	179.4 W	KERMADEC ISLANDS	282	4.0	0.7	7
1	19	38	10.7	51.9 N	159.8 E	OFF EAST COAST OF KAMCHATKA	N	4.6	1.0	14
1	20	15	19.3*	38.5 N	109.9 W	UTAH	5 G	3.8	1.8	6
1	23	38	47.5	5.4 S	152.4 E	NEW BRITAIN REGION	58	5.0	1.2	8
1	23	46	06.0	22.4 S	67.2 W	CHILE-BOLIVIA BORDER REGION MAG. 5.6 (BRK).	179	4.7	1.2	30
2	01	18	55.4	40.1 N	76.7 E	KIRGIZ-SINKIANG BORDER REGION	60	4.6	1.3	14
2	03	52	06.1	37.4 N	114.0 W	SOUTHERN NEVADA	N		0.7	6
2	04	56	26.4	10.3 S	161.5 E	SOLOMON ISLANDS	82	4.6	1.2	17
2	05	43	04.5	15.9 S	167.0 E	NEW HEBRIDES ISLANDS	20	4.5	1.0	15
2	06	25	49.5	57.9 S	25.4 W	SOUTH SANDWICH ISLANDS REGION	79 D	5.8	0.9	110
2	07	03	55.9*	7.2 S	120.6 E	FLORES SEA	590	4.6	0.9	13
2	07	37	57.6	39.8 N	75.2 E	SOUTHERN SINKIANG PROV., CHINA	52	5.2	1.1	95
2	09	30	41.5	19.4 N	155.1 W	HAWAII 19°21.7'N., 155°05.5'W. MAG. 4.5. HYPOCENTER AND MAGNITUDE BY HVO. FELT ISLAND-WIDE.	5	4.6		42
2	10	57	32.1	59.7 S	25.5 W	SOUTH SANDWICH ISLANDS REGION	22	5.1	0.7	16
2	12	05	40.5	38.0 N	22.1 E	GREECE FELT AT FOKIS AND KALITHEA.	6	4.2	1.0	9
2	12	44	30.9*	15.7 S	167.5 E	NEW HEBRIDES ISLANDS	41		1.5	6
2	13	59	01.5	38.3 N	118.1 W	CALIFORNIA-NEVADA BORDER REGION	4		1.0	7
2	16	24	39.3	41.6 N	139.7 E	HOKKAIDO, JAPAN REGION FELT IN NORTHEASTERN HONSHU AREA. MAG. 5.4 - 5.8 (BRK),	174 D	5.5	1.0	201
2	16	47	43.0*	51.7 N	176.0 W	ANDREANOF ISLANDS, ALEUTIAN IS.	56	4.3	0.8	10
2	16	58	35.7	37.5 N	72.4 E	TADZHIK SSR	190	4.3	0.9	12
2	18	18	17.4	4.4 S	153.7 E	NEW IRELAND REGION	247	5.1	0.9	82
3	01	57	05.2*	43.3 N	126.1 W	OFF COAST OF OREGON	N	4.1	1.0	14
3	02	55	59.1*	20.7 S	175.3 W	TONGA ISLANDS	66	4.6	0.6	16
3	05	27	58.3	39.9 N	104.8 W	COLORADO FELT IN DENVER AREA.	11	4.3	1.4	8
3	05	56	56.5*	51.8 N	177.9 E	RAT ISLANDS, ALEUTIAN ISLANDS	116	4.2	0.6	11
3	08	17	03.7	36.5 N	138.1 E	HONSHU, JAPAN SLIGHT DAMAGE AT NAGAON.	12	4.7	1.3	73
3	09	05	33.5	14.6 N	93.5 W	NEAR COAST OF CHIAPAS, MEXICO	6	4.4	1.2	17
3	11	17	32.2*	36.2 N	53.4 E	IRAN	33		1.5	7
3	12	30	49.9	5.7 S	110.3 E	JAVA SEA	530	5.1	0.8	32
3	12	48	08.6	5.6 S	110.5 E	JAVA SEA	547 D	5.3	1.1	138
3	15	35	08.6	39.5 N	122.0 W	NORTHERN CALIFORNIA MAG. 3.4 (BRK).	13	4.0	0.7	11
3	16	27	46.1	5.5 S	147.0 E	EAST NEW GUINEA REGION	208	4.8	1.0	16
3	21	26	44.4	55.3 N	155.8 W	SOUTH OF ALASKA	19	4.5	1.1	15
3	23	25	47.2	21.4 S	67.3 W	CHILE-BOLIVIA BORDER REGION MAG. 5.4 - 5.8 (BRK).	190	5.1	1.2	52
4	05	42	49.6	19.8 S	69.2 W	NORTHERN CHILE	118	4.3	1.0	19
4	06	20	00.7*	4.5 S	134.0 E	WEST NEW GUINEA REGION	51	4.9	1.7	6

FEB	GMT H	M	S	LAT	LONG	REGION AND COMMENTS	DEPTH KM	CGS MAG MB	SD	N
4	09	27	07.2*	39.7 N	142.4 E	NEAR EAST COAST OF HONSHU, JAPAN	N	4.1	0.5	6
4	15	34	54.9	59.6 N	13.3 E	SWEDEN FELT AT KARLSTAD.	26		1.1	9
4	17	49	02.4	25.6 N	142.7 E	VOLCANO ISLANDS REGION	N	5.0	1.2	67
4	18	33	57.3*	15.6 S	172.7 W	SAMOA ISLANDS REGION	N	4.3	0.9	10
4	19	04	27.9	13.0 S	14.6 W	SOUTH ATLANTIC RIDGE	31	4.8	0.8	9
4	20	44	19.9*	54.3 S	132.1 W	SOUTH PACIFIC CORDILLERA	N	4.8	0.7	10
5	03	20	44.3	5.1 S	80.6 W	NEAR COAST OF NORTHERN PERU	82	4.1	0.7	11
5	04	08	57.9*	20.8 S	69.7 W	NORTHERN CHILE	135	4.0	0.8	6
5	05	24	21.0*	13.2 N	90.9 W	NEAR COAST OF GUATEMALA	N	4.3	1.1	10
5	10	07	16.6*	39.5 N	110.1 W	UTAH	N	3.0	0.7	5
5	12	48	58.4*	8.1 N	70.9 W	VENEZUELA	47	4.4	0.8	15
5	15	47	32.3*	16.0 N	98.3 W	NEAR COAST OF GUERRERO, MEXICO	N	3.7	1.0	7
5	16	45	47.5*	12.9 S	74.0 W	PERU	102	4.3	1.5	6
5	17	02	27.0	7.2 N	73.2 W	NORTHERN COLOMBIA	128	4.0	0.8	8
5	18	21	15.1*	17.1 N	99.8 W	GUERRERO, MEXICO	36	3.8	1.0	11
5	18	55	47.1	5.5 S	11.4 W	ASCENSION ISLAND REGION	N	5.2	1.0	61
6	00	12	25.2*	20.7 S	178.9 W	FIJI ISLANDS REGION	587	4.3	1.0	11
6	01	18	04.1*	24.0 S	179.7 W	SOUTH OF FIJI ISLANDS	421	4.4	0.8	12
6	01	35	17.9*	20.2 S	176.2 W	FIJI ISLANDS REGION	280 G	4.1	0.7	8
6	03	10	32.9	23.1 S	176.0 W	SOUTH OF FIJI ISLANDS	90 D	5.0	1.1	36
6	03	26	35.5	60.1 N	152.8 W	SOUTHERN ALASKA FELT AT ANCHORAGE, KENAI, AND ON KODIAK ISLAND.	108	4.9	0.9	79
6	04	23	27.3	52.8 N	169.5 W	FOX ISLANDS, ALEUTIAN ISLANDS	67	4.3	0.4	9
6	04	28	14.8	20.6 N	120.1 E	PHILIPPINE ISLANDS REGION	7	4.5	1.4	11
6	10	18	52.1*	23.0 S	66.9 W	JUJUY PROVINCE, ARGENTINA	211	4.4	1.2	15
6	14	24	33.5*	40.3 N	124.5 W	NEAR COAST OF NORTHERN CALIF. MAG. 3.8 (BRK).	28	4.4	0.7	6
6	14	48	39.6	64.7 N	146.9 W	CENTRAL ALASKA FELT AT EIELSON AIR FORCE BASE, FAIRBANKS, AND COLLEGE.	32	4.5	1.1	20
6	15	52	43.6*	35.0 N	142.6 E	OFF EAST COAST OF HONSHU, JAPAN	N		0.4	6
6	15	52	55.8*	35.2 N	141.5 E	NEAR EAST COAST OF HONSHU, JAPAN	76	3.9	1.0	7
6	16	00	26.4*	53.6 N	167.6 W	FOX ISLANDS, ALEUTIAN ISLANDS	25	4.3	0.6	13
6	17	16	30.3*	38.9 N	23.6 E	GREECE	N		1.4	5
6	17	46	54.1*	33.7 N	137.4 E	NEAR S. COAST OF HONSHU, JAPAN	351	4.0	0.7	8
7	00	53	40.1*	8.9 S	109.7 W	NORTHERN EASTER I. CORDILLERA	N	4.4	1.2	9
7	02	43	36.1*	14.3 S	167.4 E	NEW HEBRIDES ISLANDS	189		1.3	7
7	08	28	57.7	13.8 N	144.8 E	MARIANA ISLANDS FELT ON GUAM. MAG. 5.5 - 5.9 (BRK).	134 D	5.4	1.0	107
7	09	02	35.0*	14.3 N	92.2 W	NEAR COAST OF CHIAPAS, MEXICO	N	4.2	1.6	10
7	10	39	03.7*	22.5 S	179.6 W	SOUTH OF FIJI ISLANDS	544	4.1	0.6	11
7	11	49	29.8*	15.7 S	167.2 E	NEW HEBRIDES ISLANDS	61		0.4	5
7	14	53	13.9	56.7 N	157.2 W	ALASKA PENINSULA MAG. 4.2 - 4.6 (BRK).	63 D	5.5	1.0	133
7	18	19	49.2*	5.5 S	147.2 E	EAST NEW GUINEA REGION	187	4.6	0.9	9
7	19	40	17.2	55.4 N	162.8 E	NEAR EAST COAST OF KAMCHATKA	58	4.9	0.7	35
7	22	56	10.0*	2.5 S	138.3 E	WEST NEW GUINEA	N	4.6	1.1	5
7	23	49	22.4	17.8 S	178.5 W	FIJI ISLANDS REGION	579	3.9	0.8	16
8	08	28	25.1	16.5 N	95.8 W	OAXACA, MEXICO	62	3.8	1.0	12
8	09	37	53.6	41.2 N	123.4 W	NORTHERN CALIFORNIA MAG. 4.0 (BRK).	N	4.6	0.9	20
8	09	49	40.4	36.5 N	138.0 E	HONSHU, JAPAN	33	4.3	1.2	27
8	12	18	00.5	18.3 S	70.0 W	NEAR COAST OF NORTHERN CHILE	107	4.2	0.7	9
8	13	42	16.6	19.2 S	69.6 W	NORTHERN CHILE	112	4.1	1.5	14
8	15	00	51.1*	12.1 S	165.8 E	SANTA CRUZ ISLANDS	34		1.4	10
8	15	15	00.1	37.2 N	116.0 W	SOUTHERN NEVADA 37°10'04.0"N., 116°02'50.0"W. NEVADA TEST SITE. "WARD" SHOT ELEVATION 1044.9 METERS. (A E C).		4.8		20
8	15	35	43.0	58.3 S	12.9 W	SOUTHWESTERN ATLANTIC OCEAN	N	5.1	0.9	19
8	17	17	41.3	23.1 N	93.9 E	BURMA-INDIA BORDER REGION	5	5.1	1.0	56
8	19	39	13.0	15.2 N	96.4 W	NEAR COAST OF OAXACA, MEXICO	33	4.6	0.9	27
8	22	33	58.8*	25.6 S	71.4 W	OFF COAST OF NORTHERN CHILE	N		2.1	5

FEB	GMT H M S	LAT	LONG	REGION AND COMMENTS	DEPTH KM	CGS MAG MB	SD	N
9	00 50 52.1	36.6 N	138.3 E	HONSHU, JAPAN FELT AT MATSUSHIRO, NAGANO, AND MATSUMOTO.	8	4.3	0.8	23
9	04 43 08.7*	14.0 S	13.7 W	SOUTH ATLANTIC RIDGE	N	4.4	1.6	5
9	10 44 54.9	37.3 N	142.0 E	OFF EAST COAST OF HONSHU, JAPAN	33	4.1	1.2	18
9	13 16 57.4	46.2 N	111.4 W	MONTANA	19	3.9	0.6	6
9	14 08 18.2	40.0 N	20.3 E	GREECE-ALBANIA BORDER REGION MAJOR DAMAGE IN THE GREECE - ALBANIA BORDER REGION.	1	5.5	1.0	134
9	15 24 47.9	2.9 N	74.9 W	COLOMBIA 100 KILLED, MANY INJURED, MAJOR DAMAGE AT CAMPOALE, GUACAMAYA, AND NEIVA. FELT AT QUITO, PERU, AND QUITO, ECUADOR. MAG. 6 3/4 (PAS), 7.3 - 7.5 (BRK), 7 - 7 ¾ (PAL)	60 D	6.3	0.9	218
9	16 44 07.3*	2.8 N	74.7 W	COLOMBIA	62	4.4	0.7	13
9	17 15 37.4	3.2 N	74.9 W	COLOMBIA	31	4.3	1.2	10
9	17 16 13.7	13.9 S	166.9 E	NEW HEBRIDES ISLANDS	N		0.7	7
9	19 25 13.9*	2.5 N	74.2 W	COLOMBIA	87	4.6	0.8	10
9	20 16 28.5*	19.6 S	175.9 W	TONGA ISLANDS	240 G	3.9	1.0	12
9	21 15 26.4	2.9 N	74.8 W	COLOMBIA	66	4.5	0.9	15
10	00 39 41.1	3.3 N	74.4 W	COLOMBIA	123	4.1	1.4	7
10	02 41 21.0	42.2 N	76.6 E	ALMA-ATA REGION	50		0.8	11
10	03 17 43.3*	39.2 S	74.6 W	OFF COAST OF CENTRAL CHILE	N	4.4	0.8	9
10	05 46 31.8	33.3 N	75.3 E	EASTERN KASHMIR	35	4.8	0.7	40
10	05 51 02.3	41.8 N	86.3 E	SOUTHERN SINKIANG PROV., CHINA	18	5.0	0.7	55
10	06 39 12.3*	2.9 N	74.4 W	COLOMBIA	132	4.0	1.2	6
10	06 51 37.0	16.3 S	69.6 W	PERU-BOLIVIA BORDER REGION	288	4.2	1.5	16
10	07 25 23.9*	53.2 N	170.1 W	FOX ISLANDS, ALEUTIAN ISLANDS	20	3.7	2.0	6
10	10 14 15.5*	6.1 S	150.4 E	NEW BRITAIN REGION	52		0.9	6
10	11 29 46.6	7.3 S	128.5 E	BANDA SEA	32	5.2	1.1	42
10	14 28 08.5*	36.5 N	71.3 E	AFGHANISTAN-USSR BORDER REGION	163	4.5	1.4	6
10	21 00 13.5*	27.6 N	96.5 E	BURMA-INDIA BORDER REGION	N	4.7	1.3	6
10	21 03 03.9	3.5 S	135.4 E	WEST NEW GUINEA REGION	36	4.9	0.4	8
10	22 32 31.6*	14.2 N	92.5 W	NEAR COAST OF CHIAPAS, MEXICO	77	4.0	0.9	13
11	00 23 15.6*	15.9 N	98.7 W	OFF COAST OF GUERRERO, MEXICO	N	3.8	0.6	6
11	00 32 23.9*	12.1 N	94.3 E	ANDAMAN ISLANDS REGION	N	5.0	1.3	18
11	02 39 50.7	51.7 N	159.5 E	OFF EAST COAST OF KAMCHATKA	51 D	4.9	1.0	91
11	03 37 07.5*	19.9 S	177.9 W	FIJI ISLANDS REGION	474	3.9	1.2	14
11	04 25 47.2	16.3 N	98.6 W	NEAR COAST OF GUERRERO, MEXICO FELT.	36	4.8	1.0	41
11	04 38 44.8*	16.0 N	98.6 W	NEAR COAST OF GUERRERO, MEXICO	N	3.6	0.5	5
11	04 48 03.4	16.3 N	98.7 W	NEAR COAST OF GUERRERO, MEXICO	20	4.5	1.0	29
11	05 04 27.9*	16.2 N	98.7 W	NEAR COAST OF GUERRERO, MEXICO	37	4.4	1.1	23
11	05 11 42.0*	16.0 N	98.8 W	NEAR COAST OF GUERRERO, MEXICO	N	4.1	1.0	14
11	06 55 58.0*	16.0 N	98.8 W	NEAR COAST OF GUERRERO, MEXICO	14	3.9	0.8	11
11	08 05 12.0	36.7 N	70.9 E	HINDU KUSH REGION	99	4.5	1.2	27
11	08 55 42.1*	4.2 N	75.5 W	COLOMBIA	N	4.3	0.8	5
11	09 27 30.4	52.2 N	106.4 E	LAKE BAIKAL REGION FELT AT ULAN UDE. MAG. 4.7 (BRK).	5	5.3	1.0	83
11	12 29 44.1	19.4 N	108.0 W	REVILLA GIGEDO ISLANDS REGION	N	4.4	0.7	24
11	14 33 08.6	48.3 N	154.9 E	KURILE ISLANDS	43	4.7	0.9	58
11	14 39 14.9*	48.7 N	154.0 E	KURILE ISLANDS	79	4.1	2.4	6
11	15 18 06.4	30.5 N	50.7 E	IRAN	39	5.0	1.0	43
11	15 31 27.4	79.6 N	3.3 E	GREENLAND SEA	N	5.0	1.1	55
11	18 55 49.5*	1.6 N	126.8 E	MOLUCCA PASSAGE	69		1.4	7
11	19 25 02.5*	15.1 S	72.0 W	SOUTHERN PERU	133	4.0	1.0	11
11	19 48 02.7	21.9 S	70.7 W	NEAR COAST OF NORTHERN CHILE	29 D	4.9	1.1	24
11	22 50 32.8*	51.5 N	175.0 E	RAT ISLANDS, ALEUTIAN ISLANDS	N	4.7	0.8	26
12	00 21 30.0	36.6 N	138.4 E	HONSHU, JAPAN SLIGHT DAMAGE IN MATSUSHIRO AREA.	4	4.2	1.0	23
12	00 24 16.9*	23.4 S	174.7 W	TONGA ISLANDS REGION	N	4.3	1.0	9
12	03 29 07.5	44.8 N	148.3 E	KURILE ISLANDS	130	4.1	0.6	18
12	06 11 40.3*	17.6 S	178.9 W	FIJI ISLANDS REGION	493	4.0	0.9	14
12	10 11 52.4	37.7 N	108.0 W	COLORADO	5 G		1.9	5

FEB	GMT H	M	S	LAT		LONG		REGION AND COMMENTS	DEPTH KM		CGS MAG MB	SD	N
12	10	16	13.8	2.4	S	12.4	W	NORTH OF ASCENSION ISLAND	N		4.8	0.7	19
12	11	50	50.0	42.6	S	83.8	E	MID-INDIAN RISE	N		5.1	1.2	24
12	13	55	05.2	2.8	N	74.4	W	COLOMBIA	96		4.1	0.7	7
12	14	08	13.8	21.7	S	70.2	W	NEAR COAST OF NORTHERN CHILE	27	D	5.5	0.9	83
12	16	06	48.3	35.9	N	70.9	E	HINDU KUSH REGION	96	D	5.1	0.9	39
12	16	33	00.5*	52.3	N	169.7	W	FOX ISLANDS, ALEUTIAN ISLANDS	N		4.3	1.0	14
12	16	46	04.3	30.3	N	50.3	E	IRAN	N		4.8	0.8	14
12	17	54	35.8	5.9	S	149.3	E	NEW BRITAIN REGION	92		5.2	0.7	23
12	21	04	56.5	17.6	S	173.6	W	TONGA ISLANDS	80	G	4.3	1.3	18
12	23	23	54.8*	40.4	N	28.1	E	TURKEY	36			0.3	5
12	23	41	17.6	39.4	N	120.1	W	NORTHERN CALIFORNIA	10		4.5	0.9	11
13	05	15	20.2	38.2	S	73.4	W	NEAR COAST OF CENTRAL CHILE	4		4.7	1.4	20
13	05	19	45.3*	51.8	N	173.5	W	ANDREANOF ISLANDS, ALEUTIAN IS.	41		4.2	0.8	11
13	06	02	12.0	24.8	N	122.1	E	TAIWAN REGION	70		4.7	1.2	28
								FELT.					
13	07	25	59.8*	48.2	N	154.8	E	KURILE ISLANDS	45	G	4.5	0.9	14
13	07	38	33.4*	24.3	S	67.1	W	CHILE-ARGENTINA BORDER REGION	167		4.1	0.2	9
13	07	48	21.5*	20.1	S	173.8	W	TONGA ISLANDS	N		4.3	0.8	8
13	08	05	58.5	36.0	N	114.7	W	SOUTHERN NEVADA	13			1.2	6
13	08	32	42.6	38.2	S	72.7	W	CENTRAL CHILE	64		4.3	1.0	12
13	10	07	33.7	52.6	N	169.6	W	FOX ISLANDS, ALEUTIAN ISLANDS	39		4.6	0.8	37
13	10	25	44.0	5.2	S	75.4	W	NORTHERN PERU	39		5.3	0.8	51
13	11	16	32.8	38.2	S	73.1	W	NEAR COAST OF CENTRAL CHILE	N		4.2	1.6	10
13	11	21	08.6	36.2	N	139.8	E	HONSHU, JAPAN	60	G	5.0	1.1	84
								FELT IN CENTRAL HONSHU.					
13	11	30	46.9	44.2	N	148.4	E	KURILE ISLANDS	42	D	4.7	1.0	57
13	13	53	20.2	1.8	N	73.4	W	COLOMBIA	49		4.7	1.0	21
								FELT AT BOGOTA, CALI, AND NEIVA.					
13	13	59	12.6*	6.9	S	129.3	E	BANDA SEA	166		4.9	0.9	10
13	14	09	18.8	35.4	N	140.4	E	NEAR EAST COAST OF HONSHU, JAPAN	30		3.8	0.5	10
13	15	29	05.5	5.1	S	153.1	E	NEW IRELAND REGION	58		5.0	1.0	44
13	17	05	13.1	43.5	N	147.6	E	KURILE ISLANDS	54		4.6	0.9	43
13	17	15	01.0*	16.2	N	98.6	W	NEAR COAST OF GUERRERO, MEXICO	N		4.3	0.9	18
13	18	32	20.3	46.2	N	119.8	W	WASHINGTON	N			1.1	7
13	20	43	47.9*	51.0	N	179.7	W	ANDREANOF ISLANDS, ALEUTIAN IS.	N		4.5	1.0	21
13	20	57	34.4	28.1	S	70.6	W	CENTRAL CHILE	45		4.8	1.2	22
13	21	21	44.3*	2.3	S	121.4	E	CELEBES	N		4.7	1.3	12
13	22	25	14.9*	30.0	S	71.4	W	NEAR COAST OF CENTRAL CHILE	59		4.0	1.0	7
13	23	14	23.5	52.8	N	34.1	W	NORTH ATLANTIC OCEAN	N		5.6	1.2	159
								MAG. 6 3/4 (PAS), 6.5 - 6.9					
								(BRK), 6.3 MS (CGS).					
14	01	08	26.5	37.4	N	116.4	W	SOUTHERN NEVADA	N		3.9	1.0	6
14	01	36	05.4	13.7	N	96.5	E	ANDAMAN ISLANDS REGION	30	D	5.6	1.1	181
								FELT AT BANGKOK, THAILAND. CGS					
								MS 6.8.					
14	05	02	38.8	13.3	S	171.3	E	NEW HEBRIDES ISLANDS REGION	640		5.4	1.0	127
14	08	12	52.3*	63.9	N	151.1	W	CENTRAL ALASKA	46		4.0	1.8	6
14	14	42	26.2	38.4	N	15.1	E	SICILY	256		4.3	1.2	26
14	17	37	29.1	36.0	N	69.3	E	HINDU KUSH REGION	128		4.8	1.5	20
14	18	13	15.8*	18.9	S	173.0	W	TONGA ISLANDS	32		4.9	0.9	27
14	22	02	45.9*	51.7	N	178.2	E	RAT ISLANDS, ALEUTIAN ISLANDS	26		4.4	1.3	20
15	01	47	29.2	34.6	N	47.6	E	WESTERN IRAN	41		5.0	1.3	58
15	01	49	36.0*	19.0	S	169.6	E	NEW HEBRIDES ISLANDS	271		4.6	1.1	13
15	03	28	03.6	40.1	N	109.1	W	UTAH	5	G	4.5	1.0	24
								FELT AT RANGELY, COLORADO.					
15	05	40	14.3	17.1	S	66.7	E	MASCARENE ISLANDS REGION	N		5.0	1.3	12
15	05	57	26.1	20.3	N	94.1	E	BURMA	19		5.5	1.0	112
15	09	18	06.5*	14.0	N	93.3	W	NEAR COAST OF CHIAPAS, MEXICO	64		4.1	0.9	14
15	15	02	16.5*	39.3	N	110.4	W	UTAH	5	G	3.4	1.4	6
15	15	06	59.7	11.8	S	165.7	E	SANTA CRUZ ISLANDS	30		4.8	1.1	11
15	16	11	11.5	9.1	S	71.4	W	PERU-BRAZIL BORDER REGION	595		6.1	1.0	223
								MAG. 6 3/4 - 7 (PAS), 7.2 - 7.4					
								(BRK).					
15	19	32	20.2*	24.6	S	177.6	W	SOUTH OF FIJI ISLANDS	65		4.9	0.7	19
15	21	16	19.2*	51.6	N	178.5	E	RAT ISLANDS, ALEUTIAN ISLANDS	N		4.1	1.1	11
15	23	42	56.0*	52.7	N	33.9	W	NORTH ATLANTIC OCEAN	N		4.4	0.9	11
16	01	19	55.6*	6.0	S	154.3	E	SOLOMON ISLANDS	91			0.8	5
16	02	58	36.6*	51.1	N	129.8	W	QUEEN CHARLOTTE ISLANDS REGION	N		3.6	2.0	11

FEB	GMT H	M	S	LAT	LONG	REGION AND COMMENTS	DEPTH KM	CGS MAG MB	SD	N
16	05	43	11.9*	51.9 N	173.2 W	ANDREANOE ISLANDS, ALEUTIAN IS.	28	4.0	0.8	6
16	07	41	38.7	62.4 N	151.3 W	CENTRAL ALASKA	81	4.1	0.8	11
						FELT.				
16	08	15	17.1*	63.6 N	18.5 W	ICELAND	N	4.0	1.0	5
16	08	22	43.8	4.7 S	155.4 E	SOLOMON ISLANDS	488	4.5	0.5	13
16	11	55	19.8	35.7 N	51.9 E	IRAN	16		1.4	7
16	13	28	22.1	6.0 N	82.6 W	SOUTH OF PANAMA	20	4.3	1.1	13
16	15	05	54.3	37.4 N	114.2 W	SOUTHERN NEVADA	N	4.8	1.2	15
						MAG. 4.6 - 5.0 (BRK).				
16	15	10	01.9*	33.8 N	47.9 E	WESTERN IRAN	29	4.4	1.6	6
16	15	34	52.0*	35.9 N	68.7 E	HINDU KUSH REGION	38	4.9	0.5	9
16	16	27	09.9	37.4 N	114.1 W	SOUTHERN NEVADA	N		1.3	6
16	17	01	23.3	7.1 S	123.3 E	BANDA SEA	652	4.7	1.0	23
16	17	19	18.9	36.5 N	138.2 E	HONSHU, JAPAN	10 G	4.0	1.1	21
						FELT AT MATSUSHIRO.				
16	17	38	09.2	31.6 N	116.2 W	BAJA CALIFORNIA	N	4.0	0.9	16
						MAG. 4 1/2 (PAS).				
16	17	52	07.1	7.5 S	156.2 E	SOLOMON ISLANDS	76	5.0	0.8	12
16	18	47	36.4*	27.8 N	117.0 W	OFF W. COAST OF BAJA CALIFORNIA	N	3.5	1.2	5
						MAG. 3 3/4 (PAS).				
16	19	21	35.1	41.3 N	113.4 W	UTAH	14	4.0	0.7	16
16	19	41	20.0	31.4 N	116.2 W	BAJA CALIFORNIA	N	4.6	1.0	13
						MAG. 4 (PAS).				
16	19	52	12.2	16.0 N	96.9 W	OAXACA, MEXICO	72	4.6	1.1	32
16	23	49	06.7	3.3 N	76.0 W	COLOMBIA	177	4.4	1.1	17
17	00	37	41.0	4.4 N	125.4 E	TALAUD ISLANDS	53	5.6	1.0	103
17	01	19	10.1	30.9 S	65.4 W	CORDOBA PROVINCE, ARGENTINA	186	4.0	1.5	14
17	02	46	52.4	6.7 S	147.6 E	EAST NEW GUINEA REGION	67	4.6	1.2	12
17	07	58	19.0*	25.5 S	71.1 W	OFF COAST OF NORTHERN CHILE	14	4.8	1.1	24
17	08	12	58.5*	31.7 N	116.2 W	BAJA CALIFORNIA	N	4.3	0.7	10
						MAG. 3 3/4 - 4 (PAS).				
17	10	06	45.8	28.8 N	43.5 W	NORTH ATLANTIC RIDGE	N	4.8	0.9	27
17	10	10	51.6	23.7 S	175.2 W	TONGA ISLANDS REGION	19 D	6.2	1.1	210
						MAG. 6 1/2 (PAS), 6.3 - 6.5 (BRK).				
17	12	38	25.0*	15.6 S	168.2 E	NEW HEBRIDES ISLANDS	22	4.3	0.8	9
17	13	09	41.1*	14.6 N	93.3 W	NEAR COAST OF CHIAPAS, MEXICO	41	3.7	1.3	8
17	15	56	29.1	16.8 S	168.1 E	NEW HEBRIDES ISLANDS	203	4.5	1.3	8
17	15	57	47.9	28.9 N	43.5 W	NORTH ATLANTIC RIDGE	N	4.7	0.7	27
17	17	34	30.6*	13.7 S	168.5 E	NEW HEBRIDES ISLANDS	155	4.6	0.4	6
17	20	23	14.8	16.8 N	98.6 W	NEAR COAST OF GUERRERO, MEXICO	25 D	4.6	1.0	29
17	21	13	56.5	21.3 S	68.6 W	CHILE-BOLIVIA BORDER REGION	133	4.3	0.7	5
17	21	52	10.8	0.7 S	20.0 W	CENTRAL MID-ATLANTIC RIDGE	N	4.7	0.7	13
17	23	26	46.8*	15.9 S	71.2 W	SOUTHERN PERU	88	4.4	0.8	12
18	00	31	48.1	28.9 N	43.4 W	NORTH ATLANTIC RIDGE	N	5.2	0.9	46
18	02	39	18.6	5.9 S	153.2 E	NEW IRELAND REGION	33	5.5	1.1	109
18	05	59	06.1*	27.8 S	67.2 W	CATAMARCA PROVINCE, ARGENTINA	149	4.0	1.1	10
18	06	43	29.9	6.4 S	130.1 E	BANDA SEA	142	5.2	1.1	62
18	07	55	45.2*	51.0 N	157.5 E	NEAR EAST COAST OF KAMCHATKA	N	4.4	0.5	9
18	08	50	48.9	35.4 N	140.0 E	NEAR EAST COAST OF HONSHU, JAPAN	58	3.8	1.2	19
						FELT AT YOKOHAMA.				
18	09	51	06.1*	57.5 N	153.8 W	KODIAK ISLAND REGION	61	4.4	0.9	15
18	10	10	51.9	59.7 N	75.9 W	NORTHERN QUEBEC	8	4.0	1.2	23
18	11	27	24.3	36.4 N	71.3 E	AFGHANISTAN-USSR BORDER REGION	98	4.4	1.3	13
18	11	33	31.4	32.4 S	71.4 W	NEAR COAST OF CENTRAL CHILE	71	4.3	0.9	20
18	12	51	23.4	19.3 N	67.8 W	MONA PASSAGE	27	4.3	1.2	21
18	14	22	11.7*	14.5 S	167.4 E	NEW HEBRIDES ISLANDS	188		0.5	9
18	18	48	56.1	34.2 N	117.3 W	SOUTHERN CALIFORNIA	1	4.7		24
						FELT AT SAN BERNARDINO. 34°11.6' N., 117°16.5'W. DEPTH 0.5 KM. HYPOCENTER BY PASADENA. MAG. 3 1/2 (PAS), 4.2 (BRK).				
18	19	21	33.9	40.4 N	109.6 W	UTAH	N		1.3	8
18	20	21	57.6*	22.0 S	66.1 W	JUJUY PROVINCE, ARGENTINA	268	4.4	1.1	14
19	03	47	18.6	30.3 N	130.6 E	KYUSHU, JAPAN	6	4.7	0.4	10
19	06	33	04.6	49.6 N	154.2 E	KURILE ISLANDS	144	4.6	0.9	40
19	10	37	34.3	0.5 S	131.4 E	WEST NEW GUINEA REGION	40	5.0	1.0	33
19	11	46	40.9	16.2 N	98.7 W	NEAR COAST OF GUERRERO, MEXICO	N	4.8	1.1	35
19	12	10	58.5*	15.2 N	98.7 W	OFF COAST OF GUERRERO, MEXICO	N	3.6	0.5	5

FEB	GMT H	M	S	LAT	LONG	REGION AND COMMENTS	DEPTH KM	CGS MAG MB	SD	N
19	12	28	13.7	19.0 N	145.0 E	MARIANA ISLANDS	414	4.7	0.9	70
19	14	21	53.3	21.7 S	174.9 W	TONGA ISLANDS	38	4.5	1.0	21
19	16	32	08.4*	38.3 S	73.2 W	NEAR COAST OF CENTRAL CHILE	51	4.6	1.5	10
19	16	34	14.2*	1.3 S	149.8 E	NEW IRELAND REGION	66	4.3	1.1	5
19	17	53	50.5	21.7 S	169.8 E	LOYALTY ISLANDS REGION	N	4.5	1.0	15
19	19	25	29.9*	18.8 S	174.2 W	TONGA ISLANDS	60 G	4.4	0.7	10
19	19	40	10.8*	16.6 N	94.8 W	OAXACA, MEXICO	21	3.6	1.4	6
19	19	49	44.4	25.5 S	70.6 W	NEAR COAST OF NORTHERN CHILE	15	4.7	0.9	16
19	19	58	38.3	51.6 N	174.6 E	NEAR ISLANDS, ALEUTIAN ISLANDS	N	4.5	0.7	18
19	20	08	21.1	42.1 N	83.5 E	NORTHERN SINKIANG PROV., CHINA	N	5.0	0.9	58
19	20	23	20.0	45.0 N	111.6 W	MONTANA	N		0.4	5
19	21	09	00.5*	24.8 S	63.5 W	SALTA PROVINCE, ARGENTINA	564	4.0	1.0	16
19	21	29	41.3*	52.4 N	169.4 W	FOX ISLANDS, ALEUTIAN ISLANDS	35	4.4	0.9	29
19	22	14	37.1	9.1 S	113.0 E	SOUTH OF JAVA 51 KILLED, MANY INJURED, EXTENSIVE PROPERTY DAMAGE AT MALANG. MAG. 6 3/4 (PAS).	94 D	6.1	1.3	170
19	23	28	25.2	0.1 S	124.1 E	MOLUCCA SEA	73	5.7	1.2	144
20	00	35	22.6	41.3 N	140.0 E	HOKKAIDO, JAPAN REGION	169	4.5	1.0	35
20	06	48	08.6*	15.4 N	91.8 W	MEXICO-GUATEMALA BORDER REGION	107	3.8	1.5	7
20	08	47	46.2	2.7 N	128.1 E	HALMAHERA	80	5.1	1.0	28
20	09	11	36.3	34.8 N	25.0 E	CRETE	40	4.6	0.9	13
20	09	48	09.3	9.2 N	125.5 E	MINDANAO, PHILIPPINE ISLANDS	53	4.6	1.2	24
20	11	00	08.6*	3.3 N	77.5 W	NEAR WEST COAST OF COLOMBIA	83	4.5	0.7	21
20	12	14	35.5	29.1 N	129.3 E	RYUKYU ISLANDS	36	5.1	1.4	36
20	14	23	48.2	33.7 N	75.5 E	EASTERN KASHMIR	34	4.7	1.0	22
20	15	18	38.8	33.7 N	75.3 E	EASTERN KASHMIR FELT AT LAHORE, SARGODHA, AND RAWALPINDI.	18	5.6	1.2	151
20	15	39	49.5*	33.8 N	75.1 E	EASTERN KASHMIR	N	4.3	1.7	5
20	16	33	46.5	5.3 S	68.5 E	CHAGOS ARCHIPELAGO REGION	16	4.8	1.3	28
20	18	01	33.7	15.2 S	167.4 E	NEW HEBRIDES ISLANDS FELT AT LUGANVILLE.	79		1.4	9
20	19	15	49.5	9.0 S	152.9 E	DENTRECASTEAUX ISLANDS REGION	29		1.1	14
20	19	59	54.8	4.3 S	152.4 E	NEW BRITAIN REGION	91		1.7	6
20	20	39	55.4	36.1 N	139.8 E	HONSHU, JAPAN FELT AT UTSUNOMIYA.	65		1.0	9
20	22	41	42.4	11.8 S	166.3 E	SANTA CRUZ ISLANDS	7	4.9	0.9	45
20	23	03	39.2*	11.9 S	166.2 E	SANTA CRUZ ISLANDS	41		1.5	13
21	00	24	55.9*	60.1 N	152.4 W	SOUTHERN ALASKA	114	4.6	0.8	8
21	04	16	21.7	19.1 N	67.9 W	MONA PASSAGE	49	4.9	0.9	66
21	04	50	59.8*	35.4 S	69.9 W	MENDOZA PROVINCE, ARGENTINA	150	4.2	0.8	8
21	06	29	39.3*	19.3 N	67.9 W	MONA PASSAGE	29	4.4	0.6	8
21	07	28	03.2*	25.5 S	71.5 W	OFF COAST OF NORTHERN CHILE	N	5.1	0.9	6
21	09	11	54.1	14.2 N	146.4 E	MARIANA ISLANDS	58	5.1	0.9	69
21	12	37	46.1	33.7 N	75.4 E	EASTERN KASHMIR	41	5.1	1.0	63
21	14	04	34.4	5.1 S	151.6 E	NEW BRITAIN REGION	90 G	5.2	1.2	14
21	14	58	55.2*	46.2 N	152.6 E	KURILE ISLANDS	98	4.2	0.9	9
21	15	10	26.6	31.7 N	49.1 E	WESTERN IRAN	65	4.9	1.1	23
21	17	20	57.5	56.6 S	26.0 W	SOUTH SANDWICH ISLANDS REGION	N	4.7	0.6	11
21	18	42	06.8	1.5 N	127.2 E	HALMAHERA	120	5.5	1.0	89
21	19	37	22.8	11.3 S	166.8 E	SANTA CRUZ ISLANDS	66	4.6	0.9	12
21	20	45	48.7	33.8 N	117.7 W	SOUTHERN CALIFORNIA FELT AT PASADENA, WHITTIER, AND IN ORANGE COUNTY. 33°49.4'N., 117°40.5'W. DEPTH 0.1 KM. HYPOCENTER BY PASADENA. MAG. 3.5 (PAS).	1	4.6		17
22	03	35	22.0*	49.9 N	179.9 W	ALEUTIAN ISLANDS REGION	N	3.9	0.5	9
22	03	51	15.1	36.7 S	97.3 W	WEST CHILE RISE	N	5.0	0.8	23
22	08	47	02.0	35.1 N	140.2 E	NEAR EAST COAST OF HONSHU, JAPAN FELT AT YOKOHAMA AND OSHIMA.	34	4.8	1.1	44
22	11	45	07.6*	5.9 S	150.6 E	NEW BRITAIN REGION	78		0.4	5
22	13	54	32.7	11.7 S	166.4 E	SANTA CRUZ ISLANDS	65 D	4.8	1.2	37
22	14	50	33.6	48.3 N	155.0 E	KURILE ISLANDS	45	4.8	1.1	35
22	17	35	59.1*	52.6 N	169.4 W	FOX ISLANDS, ALEUTIAN ISLANDS	N	3.9	1.5	7

FEB	GMT H	M	S	LAT	LONG	REGION AND COMMENTS	DEPTH KM	CGS MAG MB	SD	N
22	18	26	46.1	19.5 S	169.1 E	NEW HEBRIDES ISLANDS FELT AT PORT VILA.	83 D	5.6	1.2	118
22	19	58	39.1	7.3 S	156.1 E	SOLOMON ISLANDS	60		1.1	8
22	20	27	41.0	3.2 N	74.7 W	COLOMBIA FELT IN BOGOTA, CALI, AND NEIVA AREAS.	82	4.5	0.5	10
22	23	27	58.7	58.0 S	25.3 W	SOUTH SANDWICH ISLANDS REGION	43	5.4	1.0	45
23	00	46	52.4*	16.5 N	94.8 W	OAXACA, MEXICO	4	3.7	0.8	5
23	03	38	38.1*	39.0 N	29.2 W	AZORES ISLANDS	N	4.4	0.7	10
23	04	53	24.7	4.9 S	152.3 E	NEW BRITAIN REGION FELT AT RABAUL, ULAMONA, AND UPPER WARANGOI.	64	4.8	0.8	17
23	05	10	54.6	5.6 N	73.4 W	COLOMBIA FELT AT BOGOTA, NEIVA, AND IBAGUE.	171	4.3	0.7	20
23	05	58	28.8	21.6 S	174.5 W	TONGA ISLANDS	21	4.8	0.7	22
23	06	17	45.7*	23.0 S	176.1 W	SOUTH OF FIJI ISLANDS	70 G	4.7	0.9	15
23	11	45	14.4	7.5 S	128.4 E	BANDA SEA	N	4.7	1.1	11
23	14	25	45.9	24.3 N	122.5 E	TAIWAN REGION FELT.	65	5.4	1.1	79
23	14	51	53.5*	41.4 S	87.6 W	WEST CHILE RISE	N	4.9	0.6	18
23	18	34	00.0	37.0 N	116.0 W	SOUTHERN NEVADA 37°01'03.0"N., 116°00'57.0"W. NEVADA TEST SITE. "PERSIMMON" SHOT ELEVATION 906.2 METERS. (A E C). MAG. 4 - 4.4 (BRK).		4.4		19
23	18	50	00.0	37.1 N	116.1 W	SOUTHERN NEVADA 37°07'37.0"N., 116°03'59.0"W. NEVADA TEST SITE. AGILE SHOT ELEVATION 536.4 METERS. (A E C).		5.8		130
23	20	38	55.6	26.1 N	128.5 E	RYUKYU ISLANDS	24	5.4	0.9	93
23	21	11	33.1	37.1 N	116.1 W	SOUTHERN NEVADA "AGILE" COLLAPSE.		4.7		24
23	22	38	51.2	43.7 N	16.0 E	YUGOSLAVIA FELT AT SPLIT.	39		1.1	19
23	22	39	34.6*	45.4 S	38.8 E	PRINCE EDWARD ISLANDS REGION	N	5.1	1.1	7
24	00	17	39.7	33.6 N	75.4 E	EASTERN KASHMIR	39	5.0	1.0	23
24	00	23	52.3	51.8 N	176.9 W	ANDREANOF ISLANDS, ALEUTIAN IS.	119	4.2	0.5	6
24	05	14	08.1*	23.8 S	175.5 W	TONGA ISLANDS REGION	N	4.7	0.8	11
24	07	05	37.9	37.2 N	71.8 E	AFGHANISTAN-USSR BORDER REGION	220 G	4.7	1.3	11
24	07	08	32.3*	23.9 S	175.4 W	TONGA ISLANDS REGION	N	4.7	0.8	9
24	07	31	47.9*	2.3 N	76.3 W	COLOMBIA	87	4.2	0.8	10
24	09	10	27.5	18.5 N	94.4 W	GULF OF CAMPECHE	N	4.1	1.1	16
24	09	16	41.8*	13.4 N	90.1 W	NEAR COAST OF GUATEMALA	135	4.3	0.6	7
24	10	42	41.0	7.1 S	123.8 E	BANDA SEA	554	5.0	1.0	48
24	18	18	10.5	60.3 N	153.7 W	SOUTHERN ALASKA	166	4.0	1.0	16
24	22	13	48.0	39.3 N	8.9 W	PORTUGAL	17	4.1	1.2	8
25	00	18	39.1	43.7 N	139.2 E	EASTERN SEA OF JAPAN	244	4.4	0.9	49
25	02	00	32.9	36.9 N	121.6 W	CENTRAL CALIFORNIA FELT AT AROMAS AND SOUTH OF HOLLISTER. 36°53.0'N.,121°38.3' W. HYPOCENTER BY BERKELEY. MAG. 3.4 - 3.8 (BRK).	2			11
25	05	41	15.3	10.3 S	161.5 E	SOLOMON ISLANDS	75 G	4.8	1.2	21
25	06	04	54.8*	44.8 N	28.4 W	NORTH ATLANTIC RIDGE	N	4.1	0.6	5
25	06	48	30.0	25.1 N	122.7 E	TAIWAN REGION FELT.	18	4.3	0.9	7
25	07	20	21.4	39.0 N	118.1 W	NEVADA MAG. 3.4 - 3.8 (BRK).	N	3.9	1.3	10
25	11	17	41.2	29.1 S	68.9 W	SAN JUAN PROVINCE, ARGENTINA	110 G	4.1	1.2	10
25	11	20	50.1	0.0 S	123.9 E	NORTHERN CELEBES	92 D	5.8	1.2	137
25	11	38	44.4	0.2 S	123.9 E	NORTHERN CELEBES	86	5.6	1.4	134
25	11	56	11.3	27.4 N	92.4 E	INDIA-CHINA BORDER REGION	N	5.1	1.0	22
25	12	30	24.2*	6.8 N	73.2 W	NORTHERN COLOMBIA	167	4.2	0.8	13
25	15	08	58.5*	5.9 N	125.2 E	MINDANAO, PHILIPPINE ISLANDS	90 G	4.9	0.9	10
25	15	46	49.1	19.6 S	175.9 W	TONGA ISLANDS	331	4.5	0.6	17

FEB	GMT H	M	S	LAT		LONG		REGION AND COMMENTS	DEPTH KM	CGS MAG MB	SD	N
25	15	52	07.8	40.4	N	123.2	W	NORTHERN CALIFORNIA	23	4.3	0.7	20
								FELT AT ARCATA AND SALYER.				
								MAG. 3.9 - 4.1 (BRK).				
25	16	17	59.9*	12.7	S	165.8	E	SANTA CRUZ ISLANDS	96		0.0	5
25	17	06	24.1*	2.3	N	76.8	W	COLOMBIA	15	4.2	1.6	7
25	21	33	45.1	40.3	N	124.3	W	NEAR COAST OF NORTHERN CALIF.	15 G		0.9	9
								FELT AT PETROLIA.				
								MAG. 3.3 (BRK).				
25	21	35	58.4*	5.7	N	94.0	E	NORTHERN SUMATRA	N	4.4	0.5	9
25	21	53	16.1	14.3	N	93.2	W	NEAR COAST OF CHIAPAS, MEXICO	N	4.1	1.4	11
26	02	56	24.9	6.2	S	104.6	E	SUNDA STRAIT	19	5.2	0.5	28
26	02	58	26.0*	41.6	N	111.8	W	UTAH	N		0.9	6
26	03	00	00.9*	8.3	S	68.0	E	CHAGOS ARCHIPELAGO REGION	N		0.3	6
26	03	57	57.6	49.8	N	78.2	E	EASTERN KAZAKH SSR	0 G	6.0	1.0	142
26	06	35	50.0*	7.8	S	127.6	E	BANDA SEA	144	5.0	0.7	9
26	06	38	40.9	26.6	N	128.4	E	RYUKYU ISLANDS	7	4.8	1.2	27
26	08	33	19.4*	14.7	N	146.1	E	MARIANA ISLANDS	N	4.3	1.7	8
26	08	56	16.3*	26.6	N	128.3	E	RYUKYU ISLANDS	N	4.7	1.0	13
26	10	29	14.8	6.2	S	149.1	E	NEW BRITAIN REGION	60	4.8	1.0	21
								FELT AT TALASEA, LAGENDA, AND				
								KILENGI.				
26	10	47	43.6*	43.9	N	146.5	E	KURILE ISLANDS	23	4.0	0.8	5
26	11	57	53.9	24.3	S	179.8	E	SOUTH OF FIJI ISLANDS	525 G	4.6	0.9	29
26	13	05	40.9*	27.7	N	111.5	W	GULF OF CALIFORNIA	N	4.3	0.6	5
26	13	33	42.3	11.6	S	166.2	E	SANTA CRUZ ISLANDS	42	4.6	1.2	12
26	13	52	57.4*	36.3	N	114.5	W	SOUTHERN NEVADA	N		0.8	7
26	14	51	49.3*	36.5	N	70.8	E	HINDU KUSH REGION	223	4.2	1.2	6
26	15	24	03.8	36.0	N	68.9	E	HINDU KUSH REGION	30	4.7	1.3	22
26	17	19	16.1	6.6	S	154.9	E	SOLOMON ISLANDS	81	4.9	0.8	15
27	02	06	41.6	2.9	N	74.9	W	COLOMBIA	57	5.1	1.2	42
								FELT IN POPAYAU, BOGOTA, AND				
								MEDELLIN AREAS.				
27	02	29	35.0	38.3	S	74.8	W	OFF COAST OF CENTRAL CHILE	N	4.9	1.5	37
27	03	15	19.2*	15.1	N	93.4	W	NEAR COAST OF CHIAPAS, MEXICO	N	3.6	1.2	6
27	06	27	11.1*	39.9	N	20.1	E	GREECE-ALBANIA BORDER REGION	38	4.4	1.6	9
27	06	42	33.4*	24.0	S	66.8	W	SALTA PROVINCE, ARGENTINA	209	4.1	1.1	8
27	06	50	52.1*	6.7	N	73.1	W	NORTHERN COLOMBIA	184	4.0	1.0	14
27	11	13	02.2	23.9	S	175.3	W	TONGA ISLANDS REGION	N	4.6	0.8	14
27	13	44	59.0*	16.8	S	178.7	W	FIJI ISLANDS REGION	564	3.6	0.8	11
27	15	50	57.0*	6.2	S	154.8	E	SOLOMON ISLANDS	60 G	5.0	1.5	7
27	20	37	19.7*	45.6	S	36.9	E	PRINCE EDWARD ISLANDS REGION	N	4.9	1.7	11
27	21	00	42.6	44.8	N	26.6	E	RUMANIA	46	4.9	1.3	58
27	22	03	51.6	51.1	N	89.9	E	CENTRAL RUSSIA	N	4.4	1.2	9
27	22	53	36.6	41.6	N	110.6	W	WYOMING	0 G	3.7	0.5	6
28	04	00	13.1	64.9	N	148.7	W	CENTRAL ALASKA	29		0.9	7
								FELT AT FAIRBANKS.				
28	05	12	36.7*	57.3	N	152.6	W	KODIAK ISLAND REGION	N	4.0	1.1	9
28	05	36	36.6*	53.1	N	173.0	W	ANDREANOF ISLANDS, ALEUTIAN IS.	209	4.6	0.8	28
28	09	37	20.2	32.7	N	141.6	E	SOUTH OF HONSHU, JAPAN	36	5.3	1.2	155
								MAG. 5 3/4 - 6 (PAS).				
28	11	54	32.0	5.2	S	129.7	E	BANDA SEA	229	5.1	1.0	39
28	12	27	32.7*	21.2	S	179.0	W	FIJI ISLANDS REGION	571	4.1	0.3	10
28	14	21	49.7	37.6	N	21.1	E	SOUTHERN GREECE	34	4.7	1.2	47
								FELT ON ZANTE ISLAND, AND IN				
								ELIS AND MESSENIA REGIONS.				
28	15	15	58.6	53.1	N	159.9	E	NEAR EAST COAST OF KAMCHATKA	58	4.6	1.0	43
28	19	52	48.9	46.6	N	112.3	W	MONTANA	N		0.6	6
								FELT AT HELENA.				
28	20	47	56.3*	55.2	S	129.8	W	SOUTH PACIFIC CORDILLERA	N	5.1	1.0	10

Date and Station	Phase (GCT)
	h m s
FEB 1	
BCN (PN)	00 20 28.0
EUR E(P)	00 20 52.5
EL	21 39.5
FEB 1	
BCN E(P)	00 41 41.5
FEB 1	
H-01 07 19.3	
26.6N 55.2E	
h ABOUT 20KM	
COL E(P)	01 19 08.0
FEB 1	
BMO EP	01 25 03.1
FEB 1	
ALQ E(P)	01 36 35.5
BMO E(P)	01 36 58.2
FEB 1	
TUC (PN)	01 51 06.0
BCN EPN	01 51 25.0
E	51 34.5
EL	52 21.5
GCA E(P)	01 51 42.0
E	51 52.0
ILG	53 02.2
EUR E(P)	01 52 00.6
EL	54 10.9
FEB 1	
EUR IP	01 52 33.2
FEB 1	
ALQ E(P)	01 52 21.5
FEB 1	
BCN EPN	03 52 31.0
EL	52 50.0
FEB 1	
BCN EP	05 09 46.0
FEB 1	
BCN EPN	05 21 42.0
EL	22 01.0
GCA EP	05 21 52.5
IS	22 19.0
EUR EP	05 21 57.5
I	22 00.4
IS	22 38.5
FEB 1	
GCA I(P)	05 22 39.3
IS	23 06.0
TUC (PN)	05 23 02.5
ALQ (PN)	05 23 52.0
FEB 1	
H-06 19 56.2	
15.9S 167.1E	
h ABOUT 19KM	

Date and Station	Phase (GCT)
	h m s
COL EP	06 32 42.3
FEB 1	
EUR IP D	06 22 41.3
ES	22 47.4
FEB 1	
H-06 24 36.2	
16.0S 167.1E	
h ABOUT 9KM	
COL E(P)	06 37 25.5
FEB 1	
COL EP	07 59 08.0
FEB 1	
H-08 54 44.6	
52.6N 169.5W	
h ABOUT 68KM	
ADK IP	08 55 50.3
ES	56 40.3
COL IP	08 58 34.2
NEW EP	09 01 19.0
BMO EP	09 01 29.1
HHM E(P)	09 01 30.0
BOZ E(P)	09 01 54.5
EUR EP	09 02 03.2
TUC E(P)	09 03 05.5
FEB 1	
H-09 18 51.5	
55.6N 160.7E	
h ABOUT 151KM	
BRW E(P)	09 23 47.5
COL EP	09 24 15.0
BMO EP	09 27 35.8
EpP	28 06.6
BOZ E(P)	09 27 54.0
EpP	28 28.5
EUR IP	09 28 09.9
ALQ E(P)	09 29 07.5
E(L)	0 29 39.6
FEB 1	
NEW EP	09 27 49.0
BOZ E(P)	09 28 28.3
FEB 1	
PMR IP	11 05 29.4
ES	05 43.3
FEB 1	
SJG EP	12 08 43.5
ELG	09 44.5
FEB 1	
SLD EP	13 56 21.2
IS	56 40.6

Date and Station	Phase (GCT)
	h m s
FEB 1	
EUR IP	13 58 35.2
FEB 1	
H-13 59 18.9	
11.5S 165.2E	
h ABOUT 29KM	
COL E(P)	14 11 44.5
FEB 1	
H-14 01 21.1	
18.6N 95.6W	
h ABOUT 23KM	
ALQ EP	14 05 42.9
TUC EP	14 05 47.2
FEB 1	
H-14 44 09.4	
16.7S 72.8W	
h ABOUT 53KM	
ALQ EP	14 54 17.0
TUC E(P)	14 54 18.5
EUR IP	14 55 12.0
BOZ E(P)	14 55 26.0
BMO IP	14 55 38.6
NEW EP	14 55 50.0
FEB 1	
SLD EP	14 55 42.7
FEB 1	
H-15 19 54.0	
4.8S 103.1E	
h ABOUT 15KM	
NEW EP'	15 38 54.0
HHM EP'	15 38 58.0
BMO EP'	15 38 58.4
BOZ EP'	15 39 04.2
EUR IP'	15 39 07.3
ALQ EP'	15 39 10.0
E	39 24.0
FEB 1	
EUR IP	15 42 26.0
ALQ E(P)	15 42 54.0
FEB 1	
SJG EP	15 44 25.9
ES	45 01.0
FEB 1	
TUC E(P)	16 44 42.0
FEB 1	
TUC EPN	17 39 10.6
EL	39 26.0

Date and Station	Phase (GCT)
	h m s
FEB 1	
H-17 44 43.6	
29.1S 179.4W	
h ABOUT 282KM	
TUC E(P)	17 57 09.5
FEB 1	
EUR EPN	17 48 51.5
EL	49 11.5
FEB 1	
BOZ EPN	17 56 00.0
EL	56 18.0
FEB 1	
SLD E(P)	18 27 02.5
FEB 1	
ALQ E(P)	19 13 18.4
E(L)	1 13 52.2
FEB 1	
EUR IP	19 19 05.5
FEB 1	
H-19 38 10.7	
51.9N 159.8E	
h ABOUT 33KM	
EUR EP	19 47 54.0
FEB 1	
BOZ EPN	19 41 25.5
EL	41 35.5
FEB 1	
H-20 15 19.3	
38.5N 109.9W	
h ABOUT 5KM	
ALQ E(P)	20 16 29.8
EL	17 24.5
EUR (PN)	20 16 36.5
E(L)	17 42.5
BCN E(P)	20 16 37.0
TUC E(P)	20 16 53.0
FEB 1	
GCA IP	20 15 35.5
E(S)	15 53.5
FEB 1	
BOZ (PN)	20 16 36.0
E(L)	17 30.5
FEB 1	
ALQ E(P)	20 26 17.5
E(L)	2 26 50.6
TUC E(P)	20 27 04.0
FEB 1	
EUR IP	20 30 32.8
FEB 1	
COL IP	20 56 57.4
FEB 1	
UKI E(P)	21 05 41.0

Date and Station	Phase (GCT)
	h m s
FEB 1	
BOZ EPN	21 37 26.5
EL	37 36.5
FEB 1	
EUR (PN)	21 42 01.5
FEB 1	
TUC (PN)	21 46 06.0
EL	46 25.0
FEB 1	
BMO EP	21 50 29.0
FEB 1	
BMO E(P)	22 16 02.5
FEB 1	
TUC EP	22 29 20.6
EL	29 40.5
ALQ E(P)	22 29 44.0
E	2 29 51.0
E(L)	22 30 30.0
FEB 1	
COL EP	22 43 32.5
E(L)	44 52.5
FEB 1	
SJG EP	22 52 56.5
IS	53 07.6
FEB 1	
COL EP	22 43 38.0
FEB 1	
SJG EP	22 57 30.7
IS	57 40.5
ALQ E(P)	22 57 35.0
E(L)	2 58 26.5
FEB 1	
BCN EPN	23 06 33.5
EL	07 04.0
FEB 1	
SJG IP D	23 21 36.7
IS	21 46.5
FEB 1	
SLD IP D	23 21 39.0
I(S)	21 45.6
FEB 1	
H-23 38 47.5	
5.4S 152.4E	
h ABOUT 58KM	
COL EP	23 51 04.0
BMO EP	23 52 00.4
FEB 1	
H-23 46 06.0	
22.4S 67.2W	
h ABOUT 179KM	
SJG EP	23 53 23.5
ALQ EP	23 56 48.6

Date and Station	Phase (GCT)
	h m s
TUC EP	23 56 51.0
E▸P	57 37.0
EUR IP	23 57 38.8
BOZ E(P)	23 57 50.0
BMO IP	23 58 02.9
E▸P	58 51.9
HHM EP	23 58 07.0
FEB 2	
SJG EP	00 17 54.5
IS	18 19.3
FEB 2	
SLD E(P)	03 26 00.8
FEB 2	
BRW EP	03 43 05.4
FEB 2	
H-03 52 06.1	
37.4N 114.0W	
h ABOUT 33KM	
BCN EPN	03 52 31.0
EL	52 49.5
LVN E(P)	03 52 32.0
E	52 50.0
GCA EP	03 52 42.2
IS	53 07.5
EUR EP	03 52 45.9
I	52 52.4
IL	53 23.1
FEB 2	
LVN IP	03 52 50.0
FEB 2	
H-04 56 26.4	
10.3S 161.5E	
h ABOUT 82KM	
COL EP	05 08 47.0
EUR IP	05 09 22.8
BMO EP	05 09 23.6
E	09 44.8
FEB 2	
NEW EP	05 09 48.0
FEB 2	
H-05 43 04.5	
15.9S 167.0E	
h ABOUT 20KM	
COL IP	05 55 50.1
EUR EP	05 56 06.0
BMO EP	05 56 10.4
FEB 2	
H-06 25 49.5	
57.9S 25.4W	
h ABOUT 79KM	

Date and Station	Phase (GCT)
	h m s
BHP IP C	06 37 49.6
IS	48 49.0
SJG IP	06 38 05.8
ES	48 30.0
TUC EP'	06 44 21.0
E	54 37.0
ALQ EP'	06 44 21.5
E	45 17.0
E	55 02.0
BCN EP'	06 44 31.5
E	44 46.0
LVN IP'	06 44 33.0
SLC EP'	06 44 35.5
E	44 49.0
EUR IP'C	06 44 37.2
E	46 37.1
SLD IP'C	06 44 40.0
E	46 34.4
E	48 30.0
BOZ IP'C	06 44 42.3
IP'	44 56.0
E	47 02.0
ESKP	48 21.5
BUT EP'	06 44 44.2
BMO EP'	06 44 46.1
HHM IP'	06 44 47.0
E	44 56.0
NEW IP'	06 44 49.5
I	45 04.0
KIP EP'D	06 44 53.2
COL EP'	06 45 26.0
IP'	45 36.4
I	45 47.7
E	55 26.6
BRW EP'	06 45 27.2
IP'	45 45.5
I	45 59.0
COL IP'	06 45 36.1
FEB 2	
CSC E(P)	06 43 42.0
FEB 2	
COL EP	06 52 37.0
FEB 2	
EUR IP	06 54 32.0
BCN EP	06 54 43.0
FEB 2	
NEW EP	06 57 21.0
FEB 2	
H-07 03 55.9	
7.2S 120.6E	
h ABOUT 590KM	

Date and Station	Phase (GCT)
	h m s
BMO EP'	07 21 36.0
EUR EP'	07 21 42.4
FEB 2	
BOZ EPN	07 20 57.5
EL	21 06.7
FEB 2	
H-07 37 57.6	
39.8N 75.2E	
h ABOUT 52KM	
BRW E(P)	07 48 18.2
COL IP	07 49 06.8
HHM E(P)	07 51 00.0
NEW EP	07 51 01.0
BMO EP	07 51 15.1
BOZ EP	07 51 15.7
E▸P	51 27.0
FEB 2	
COL EP	09 15 25.0
FEB 2	
H-09 30 41.5	
19.4N 155.1W	
h ABOUT 5KM	
KIP I(P)	09 31 31.9
SLD EP	09 37 32.7
EUR IP	09 38 11.5
BCN E(P)	09 38 12.0
BMO EP	09 38 17.9
TUC E(P)	09 38 33.0
NEW EP	09 38 34.0
HHM EP	09 38 50.0
BOZ EP	09 38 53.5
COL EP	09 39 04.0
ALQ E(P)	09 39 04.1
E	50 50.0
FEB 2	
BMO EP	10 37 02.8
COL EP	10 37 53.0
FEB 2	
H-10 57 32.1	
59.7S 25.5W	
h ABOUT 22KM	
BOZ EP'	11 16 33.2
BMO EP'	11 16 37.3
EUR EP'	11 16 38.5
HHM EP'	11 16 39.3

Date and Station	Phase (GCT)
	h m s
COL EP'	11 17 27.8
E	17 40.1
FEB 2	
H-12 05 40.5	
38.0N 22.1E	
h ABOUT 6KM	
BMO EP	12 18 38.2
FEB 2	
COL E(P)	12 24 45.5
FEB 2	
H-12 44 30.9	
15.7S 167.5E	
h ABOUT 41KM	
COL E(P)	12 57 13.0
FEB 2	
COL EP	13 49 37.0
I	49 56.1
I(S)	50 59.0
FEB 2	
H-13 59 01.5	
38.3N 118.1W	
h ABOUT 4KM	
EUR EP	13 59 38.7
I	59 42.7
IL	14 00 09.6
SLD E(P)	13 59 47.5
EL	14 00 21.5
BCN E(P)	14 00 05.0
EL	00 53.0
FEB 2	
H-16 24 39.3	
41.6N 139.7E	
h ABOUT 174KM	
ADK EP	16 30 42.2
BRW IP C	16 32 18.1
I	32 38.6
COL IP C	16 32 46.6
I	34 38.9
NEW IP	16 35 19.8
EpP	36 02.0
HHM EP	16 35 30.0
EpP	36 12.0
EsP	37 12.0
BMO EP	16 35 32.0
EpP	36 14.5
BUT EP	16 35 42.4
BOZ IP C	16 35 47.0
IpP	36 30.7
E(SP)	36 42.3
SLD IP C	16 35 48.3
IpP	36 31.2
EUR IP C	16 35 57.5
IpP	36 39.0
EPP	38 37.0
SLC EP	16 36 06.4
BCN EP	16 36 15.0
EpP	36 56.0
GCA EP	16 36 21.6
IpP	37 04.3
TUC EP	16 36 41.2
EpP	37 24.0
EPP	39 57.0
ALQ EP C	16 36 45.5
EpP	37 27.6
E	46 48.0
FEB 2	
BMO E(P)	16 29 13.9
FEB 2	
EUR IP	16 30 43.7
FEB 2	
SLC EP	16 36 48.6
E	37 07.5
FEB 2	
H-16 47 43.0	
51.7N 176.0W	
h ABOUT 56KM	
ADK IP	16 47 53.6
COL EP	16 52 09.0
NEW EP	16 54 50.0
EUR IP	16 55 35.2
FEB 2	
H-16 58 35.7	
37.5N 72.4E	
h ABOUT 190KM	
COL IP	17 09 47.4
FEB 2	
BMO EP	17 03 28.9
FEB 2	
SJG IP	17 46 56.0
E	47 28.0
ELG	47 43.8
FEB 2	
COL IP	17 52 09.3
FEB 2	
H-18 18 17.4	
4.4S 153.7E	
h ABOUT 247KM	
GUA IP	18 22 32.0
KIP IP C	18 27 18.1
COL EP D	18 30 05.9
EpP	31 02.0
BMO EP	18 31 01.0
EpP	31 58.6
NEW EP	18 31 02.0
EUR IP	18 31 05.1
HHM E(P)	18 31 12.0
BOZ E(P)	18 31 20.0
SJG EP'	18 37 16.0
FEB 2	
BMO E(P)	18 56 18.7
FEB 2	
EUR IP	19 23 37.8
FEB 2	
EUR IP	19 41 59.5
FEB 2	
ALQ E(P)	23 31 23.2
E(L)	31 46.0
FEB 2	
TUC EP	23 59 25.0
FEB 3	
SJG EP	00 42 34.4
IS	43 00.5
FEB 3	
EUR E(P)	00 56 07.7
FEB 3	
GUA E(P)	01 00 11.0
FEB 3	
H-01 57 05.2	
43.3N 126.1W	
h ABOUT 33KM	
BMO EP	01 58 40.5
EUR E(P)	01 59 08.5
HHM E(P)	01 59 26.8
BOZ EP	01 59 37.5
ALQ EP	02 01 06.2
FEB 3	
EUR IP	02 19 31.6
FEB 3	
BOZ E(P)	02 54 19.5
FEB 3	
H-02 55 59.1	
20.7S 175.3W	
h ABOUT 66KM	
EUR EP	03 08 10.8
BMO EP	03 08 22.6
COL E(P)	03 08 40.7
FEB 3	
SJG IP D	04 24 47.0
IS	24 56.8
FEB 3	
SJG IP	04 49 11.2
IS	49 21.0
FEB 3	
SJG IP D	05 21 11.7
IS	21 21.0
FEB 3	
ALQ E(P)	05 29 31.0
E(L)	30 36.2
FEB 3	
H-05 56 56.5	
51.8N 177.9E	
h ABOUT 116KM	
ADK EPN	05 57 48.7
EL	58 26.2
COL EP	06 01 41.0
NEW EP	06 04 25.0
BMO EP	06 04 39.8
EUR IP	06 05 12.6
FEB 3	
BMO EP	06 35 09.6
FEB 3	
BMO E(P)	06 46 18.4
FEB 3	
SJG E(P)	07 52 47.2
IS	53 01.5
FEB 3	
H-08 17 03.7	
36.5N 138.1E	
h ABOUT 12KM	
BRW E(P)	08 25 40.1
COL EP	08 26 08.5
NEW EP	08 28 31.0
HHM EP	08 28 41.0
BMO EP	08 28 42.2
E	29 01.0
BOZ EP	08 28 57.5
EUR IP	08 29 05.8
TUC EP	08 29 47.0
ALQ EP	08 29 51.0
FEB 3	
H-09 05 33.5	
14.6N 93.5W	
h ABOUT 6KM	
ALQ EP	09 10 45.4
TUC E(P)	09 10 48.0
EUR E(P)	09 12 01.0
BOZ E(P)	09 12 23.5

Date and Station	Phase (GCT)
	h m s
FEB 3	
BMO EP	09 15 03.8
FEB 3	
BMO EP	09 56 50.8
EUR EP	09 57 05.3
FEB 3	
SJG EP	11 01 30.8
IS	02 01.0
FEB 3	
EUR IP	11 43 41.0
FEB 3	
H-12 30 49.9	
5.7S 110.3E	
h ABOUT 530KM	
BMO EP'	12 48 47.1
BOZ EP'	12 48 54.0
EUR EP'	12 48 54.1
E	51 20.0
ALQ EP'	12 49 12.5
E	51 52.0
FEB 3	
H-12 48 08.6	
5.6S 110.5E	
h ABOUT 547KM	
ADK E(P)	12 59 41.0
I	13 09 13.2
BRW EP	13 00 37.1
COL E(P)	13 01 05.0
NEW EP'	13 06 01.0
BMO EP'	13 06 03.6
EP'	07 09.8
HHM EP'	13 06 05.3
EP'	07 10.8
E	08 13.3
E	08 51.0
SLD IP'	13 06 07.2
IP'	07 12.5
EpP'	08 11.8
TUC EP'	13 06 09.0
E	09 02.0
BOZ IP'	13 06 10.3
EP'	07 17.0
EpP	08 11.5
EUR IP'D	13 06 11.6
IP'	07 17.7
EpP'	08 18.9
E	12 32.4
SLC EP'	13 06 16.2
EpP'	08 46.9
BCN EP'	13 06 18.0
EpP'	08 46.0

Date and Station	Phase (GCT)
	h m s
ALQ EP'	13 06 19.0
EP'	06 29.4
EP'	07 36.0
ESKP	09 11.5
E	10 15.4
GCA EP'	13 06 20.0
EpP'	08 52.5
IsP	09 22.0
SJG EP'	13 07 13.0
EP'	08 18.5
E	32 10.0
FEB 3	
TUC E(P)	12 51 45.0
ALQ EP	12 51 52.1
FEB 3	
BRW EP	13 02 37.5
FEB 3	
EUR IP	13 15 46.9
FEB 3	
EUR I(P)	13 19 34.1
FEB 3	
COL EP	15 02 09.6
FEB 3	
SJG EP	15 33 05.0
IS	33 28.5
FEB 3	
H-15 35 08.6	
39.5N 122.0W	
h ABOUT 13KM	
UKI E(P)	15 35 27.0
SLD EP	15 35 49.7
IL	36 20.3
EUR IP	15 36 21.1
E(L)	37 25.4
BMO EP	15 36 46.0
TUC E(P)	15 37 52.8
FEB 3	
SJG E(P)	15 37 35.0
ES	37 58.2
FEB 3	
EUR E(P)	16 13 47.6
FEB 3	
H-16 27 46.1	
5.5S 147.0E	
h ABOUT 208KM	
COL E(P)	16 39 56.5
BMO EP	16 40 59.7
EUR EP	16 41 04.8
FEB 3	
NEW EP	17 06 01.0

Date and Station	Phase (GCT)
	h m s
FEB 3	
ALQ E(P)	17 25 58.0
E(L)	26 34.0
FEB 3	
ALQ EP	17 34 45.5
FEB 3	
SJG EP	17 38 15.0
ES	38 53.5
FEB 3	
BCN EP	17 38 26.0
FEB 3	
EUR E(P)	18 04 08.7
FEB 3	
BRW E(P)	18 31 07.5
FEB 3	
ALQ E(P)	18 50 04.2
E(L)	50 29.0
FEB 3	
SLD EP	19 28 13.2
IS	28 26.1
FEB 3	
TUC EP	20 28 04.5
FEB 3	
ALQ E(P)	20 31 26.0
E(L)	32 10.4
FEB 3	
BHP IP C	20 41 30.6
IS	41 34.7
FEB 3	
ALQ E(P)	21 21 33.2
E(L)	22 13.5
FEB 3	
H-21 26 44.4	
55.3N 155.8W	
h ABOUT 19KM	
COL EP	21 29 14.0
BRW E(P)	21 30 33.0
NEW EP	21 32 06.0
EUR EP	21 33 00.7
FEB 3	
ALQ E(P)	21 50 42.2
E(L)	51 18.5
FEB 3	
EUR EP	21 53 28.5
FEB 3	
EUR IP	22 18 05.8
FEB 3	
BUT EPN	22 43 34.6
BOZ EPN	22 43 46.7
EL	43 57.5

Date and Station	Phase (GCT)
	h m s
FEB 3	
H-23 25 47.2	
21.4S 67.3W	
h ABOUT 190KM	
SJG IP	23 32 56.7
EpP	33 36.0
ES	38 38.0
ALQ IP D	23 36 23.6
TUC EP	23 36 26.2
SLC EP	23 37 06.5
EUR IP D	23 37 14.5
IPCP	37 26.0
SLD IP D	23 37 23.5
BOZ EP	23 37 26.0
BUT EP	23 37 31.4
HHM EP	23 37 42.8
NEW IP	23 37 49.1
FEB 3	
COL EP	23 45 06.0
I	54 11.5
FEB 3	
PMR IP	23 53 28.8
IS	53 55.0
FEB 4	
COL EP	00 09 05.9
I	09 11.4
ES	10 09.7
FEB 4	
GCA EP	00 09 54.2
ES	10 18.5
EUR E(P)	00 10 15.5
EL	10 56.5
FEB 4	
EUR E(P)	05 38 49.4
FEB 4	
H-05 42 49.6	
19.8S 69.2W	
h ABOUT 118KM	
SJG EP	05 49 52.0
EUR EP	05 54 11.9
HHM E(P)	05 54 40.3
FEB 4	
ALQ EP	05 53 47.0
EUR IP	05 54 40.5
BOZ E(P)	05 54 52.3
FEB 4	
COL E(P)	06 45 03.5
EUR EP	06 48 36.7

Date and Station	Phase	(GCT) h m s
FEB 4		
BOZ	E(P)	08 36 20.4
FEB 4		
EUR	EP	08 45 43.5
FEB 4		
H-09 27 07.2		
39.7N 142.4E		
h ABOUT 33KM		
COL	E(P)	09 35 31.6
FEB 4		
BMO	EP	10 00 53.3
FEB 4		
COL	EP	11 39 43.0
EUR	EP	11 43 43.6
FEB 4		
EUR	E(P)	12 13 18.0
FEB 4		
PMR	EP	12 14 00.8
	IS	14 23.3
FEB 4		
COL	E(P)	13 26 12.0
FEB 4		
SJG	IP	14 10 58.3
	IS	11 37.6
EUR	EP	14 18 56.7
BMO	EP	14 19 08.9
NEW	EP	14 19 13.0
FEB 4		
BMO	E(P)	14 20 56.0
FEB 4		
BMO	EPN	15 51 05.0
BOZ	EPN	15 51 16.5
	EL	51 46.5
FEB 4		
BOZ	E(P)	17 08 17.5
FEB 4		
H-17 49 02.4		
25.6N 142.7E		
h ABOUT 33KM		
GUA	E(P)	17 51 56.0
	E(S)	54 10.0
COL	E(P)	17 58 57.0
NEW	EP	18 00 57.0
HHM	E(P)	18 01 08.5
BOZ	E(P)	18 01 21.5
EUR	IP	18 01 22.7
TUC	EP	18 02 00.7
ALQ	EP	18 02 06.5
FEB 4		
H-18 33 57.3		
15.6S 172.7W		
h ABOUT 33KM		
EUR	E(P)	18 45 44.0
BMO	EP	18 45 56.3
COL	EP	18 46 17.0
FEB 4		
EUR	E(P)	20 35 18.9
FEB 4		
H-20 44 19.9		
54.3S 132.1W		
h ABOUT 33KM		
TUC	E(P)	20 57 08.4
ALQ	EP	20 57 24.0
EUR	IP	20 57 37.0
FEB 4		
BOZ	EPN	22 09 37.5
	EL	09 48.5
FEB 4		
ALQ	E(P)	22 16 26.0
	E(L)	17 08.5
FEB 5		
ADK	EPN	02 54 46.2
	EL	55 48.0
COL	EP	02 57 32.0
BMO	EP	03 00 35.2
FEB 5		
H-03 20 44.3		
5.1S 80.6W		
h ABOUT 82KM		
SJG	EP	03 26 22.0
	E	26 25.4
ALQ	EP	03 29 07.2
EUR	E(P)	03 30 11.0
BMO	E(P)	03 30 51.6
FEB 5		
H-05 24 21.0		
13.2N 90.9W		
h ABOUT 33KM		
TUC	E(P)	05 29 55.5
EUR	EP	05 31 07.2
FEB 5		
MID	IP	06 23 40.4
	IS	23 50.3
COL	EP	06 24 09.0
	E	24 27.0
FEB 5		
ALQ	EP	09 17 18.1
	E	17 24.2
FEB 5		
NEW	EP	09 42 04.0
FEB 5		
H-10 07 16.6		
39.5N 110.1W		
h ABOUT 33KM		
GCA	EP	10 08 01.2
	E	08 40.0
EUR	E(P)	10 08 30.7
FEB 5		
EUR	EP	11 03 16.6
FEB 5		
H-12 48 58.4		
8.1N 70.9W		
h ABOUT 47KM		
SJG	IP	12 51 34.8
	ES	52 34.0
HHM	E(P)	12 57 22.0
EUR	EP	12 57 57.5
BOZ	E(P)	12 58 00.0
BMO	EP	12 58 21.1
NEW	EP	12 58 32.0
FEB 5		
COL	E(P)	12 54 41.8
FEB 5		
H-15 47 32.3		
16.0N 98.3W		
h ABOUT 33KM		
ALQ	EP	15 52 06.9
BMO	EP	15 54 04.6
FEB 5		
H-17 02 27.0		
7.2N 73.2W		
h ABOUT 128KM		
SJG	EP	17 05 25.6
	E(S)	07 44.0
TUC	E(P)	17 10 14.5
FEB 5		
BMO	E(P)	17 07 53.3
FEB 5		
ALQ	E(P)	17 32 21.0
	E(L)	32 35.6
FEB 5		
BHP	EP	18 12 24.5
	ES	13 07.4
FEB 5		
H-18 21 15.1		
17.1N 99.8W		
h ABOUT 36KM		
TUC	E(P)	18 25 25.0
ALQ	E(P)	18 25 32.1
FEB 5		
H-18 55 47.1		
5.5S 11.4W		
h ABOUT 33KM		
SJG	EP	19 05 45.0
BMO	EP	19 09 53.5
FEB 5		
BHP	IP C	21 41 51.8
	ES	42 00.0
FEB 5		
EUR	IP	22 01 55.0
	I	02 02.7
	IL	02 42.9
FEB 5		
ALQ	E(P)	22 27 18.2
	E(L)	27 59.0
FEB 6		
H-00 12 25.2		
20.7S 178.9W		
h ABOUT 587KM		
EUR	EP	00 23 54.0
COL	IP	00 24 15.4
BOZ	E(P)	00 24 22.7
FEB 6		
H-01 18 04.1		
24.0S 179.7W		
h ABOUT 421KM		
EUR	EP	01 30 02.5
TUC	EP	01 30 02.9
FEB 6		
H-01 35 17.9		
20.2S 176.2W		
h ABOUT 280KM		
COL	IP	01 47 34.9
FEB 6		
BMO	EP	02 47 48.5
FEB 6		
H-03 10 32.9		
23.1S 176.0W		
h ABOUT 90KM		
SLD	EP	03 22 29.3
TUC	IP C	03 22 51.9
	EpP	23 15.0
EUR	IP C	03 22 53.5
	EpP	23 17.8
NEW	EP	03 23 15.0
HHM	E(P)	03 23 22.0
COL	IP	03 23 23.2

Date and Station	Phase (GCT)
	h m s
BOZ EP	03 23 23.5
E▸P	23 47.0
FEB 6	
BMO E(P)	03 26 24.3
FEB 6	
MID IP	03 28 16.2
ES	29 08.0
FEB 6	
H-03 26 35.5	
60.1N 152.8W	
h ABOUT 108KM	
COL IP	03 27 53.7
ES	28 56.0
SIT E(P)	03 28 48.5
E	30 32.5
BRW I(P)	03 29 08.4
ADK IP	03 30 12.3
I	30 22.0
NEW IP	03 31 39.1
E▸P	32 01.0
HHM EP	03 31 51.5
E▸P	32 16.2
EPCP	35 22.2
BUT EP	03 32 13.5
E▸P	32 36.3
BOZ EP C	03 32 20.0
E(▸P)	32 48.0
EsP	32 52.5
EPP	33 11.5
EPCP	35 29.7
SLD EP	03 32 41.5
EUR EP	03 32 43.8
I▸P	33 07.2
IPCP	35 36.9
TUC EP	03 33 54.5
EPCP	36 01.0
SJG EP	03 37 53.0
FEB 6	
NEW EP	03 29 26.0
FEB 6	
SLD IP	03 35 36.7
FEB 6	
EUR IP	03 39 09.8
TUC E(P)	03 39 39.5
HHM E(P)	03 39 52.0
FEB 6	
H-04 23 27.3	
52.8N 169.5W	
h ABOUT 67KM	
ADK IP	04 24 34.0
IS	25 22.6

Date and Station	Phase (GCT)
	h m s
COL EP	04 27 14.0
BOZ E(P)	04 30 36.5
EUR E(P)	04 30 44.0
FEB 6	
H-04 28 14.8	
20.6N 120.1E	
h ABOUT 7KM	
COL E(P)	04 39 50.5
FEB 6	
BMO E(P)	06 12 01.1
FEB 6	
EUR E(P)	07 36 58.8
FEB 6	
NEW EP	08 36 06.0
FEB 6	
ADK EP	09 15 02.0
IS	15 39.0
FEB 6	
H-10 18 52.1	
23.0S 66.9W	
h ABOUT 211KM	
TUC E(P)	10 29 38.5
EUR IP	10 30 26.0
BOZ E(P)	10 30 37.0
FEB 6	
BMO EP	13 02 58.9
FEB 6	
COL EP	13 43 36.0
FEB 6	
COL EP	13 58 56.0
FEB 6	
COL IP	14 19 24.2
BMO E(P)	14 23 34.1
FEB 6	
H-14 24 33.5	
40.3N 124.5W	
h ABOUT 28KM	
SLD IP	14 25 36.0
EUR IP	14 26 11.1
BMO EP	14 26 16.5
FEB 6	
COL IP	14 47 36.5
FEB 6	
H-14 48 39.6	
64.7N 146.9W	
h ABOUT 32KM	
COL IP	14 48 50.0
IS	48 57.0

Date and Station	Phase (GCT)
	h m s
BRW EP	14 50 28.6
EL	51 54.6
NEW EP	14 53 42.0
HHM E(P)	14 54 53.7
EUR IP	14 54 57.0
TUC EP	14 56 07.2
FEB 6	
BOZ E(P)	14 54 05.0
E	54 25.7
FEB 6	
ADK IP	15 37 32.4
IS	37 39.7
FEB 6	
H-16 00 26.4	
53.6N 167.6W	
h ABOUT 25KM	
COL EP	16 04 02.0
BRW EP	16 04 40.5
BMO EP	16 07 03.9
EUR IP	16 07 39.5
FEB 6	
BMO EP	16 04 40.4
FEB 6	
COL EP	17 20 33.0
FEB 6	
ALQ E(P)	17 38 52.2
E(L)	39 31.6
FEB 6	
H-17 46 54.1	
33.7N 137.4E	
h ABOUT 351KM	
BOZ E(P)	17 58 17.5
EUR E(P)	17 58 29.0
FEB 6	
EUR E(P)	18 24 06.5
IL	24 46.6
FEB 6	
BOZ EPN	18 35 04.5
E	35 13.5
EL	35 20.0
FEB 6	
BMO E(P)	18 40 52.1
FEB 6	
BUT EP	18 49 00.0
FEB 6	
SLD IP D	19 29 30.2
ES	29 42.8
FEB 6	
COL EP	20 26 19.0

Date and Station	Phase (GCT)
	h m s
FEB 6	
BUT EPN	21 04 19.2
FEB 6	
TUC E(P)	21 09 12.7
EL	10 18.0
FEB 6	
BMO EPN	22 37 52.0
FEB 6	
COL EP	23 06 13.0
EUR IP	23 12 28.0
FEB 6	
EUR IP	23 32 41.0
FEB 7	
H-00 53 40.1	
8.9S 109.7W	
h ABOUT 33KM	
EUR EP	01 02 23.5
BMO E(P)	01 03 11.8
FEB 7	
COL EP	01 03 50.0
FEB 7	
SJG IP	02 00 39.8
IS	01 01.8
FEB 7	
H-02 43 36.1	
14.3S 167.4E	
h ABOUT 189KM	
COL E(P)	02 55 54.0
EUR E(P)	02 56 12.0
FEB 7	
EUR IP	04 05 34.2
FEB 7	
COL EP	05 25 11.0
E	26 00.0
FEB 7	
H-08 28 57.7	
13.8N 144.8E	
h ABOUT 134KM	
GUA IP	08 29 18.0
IS	29 33.0
KIP IP	08 38 11.3
BRW EP	08 39 34.5
COL EP	08 39 41.5
UKI E(P)	08 41 11.0
NEW IP	08 41 19.7
IsP	42 13.0
SLD EP	08 41 19.9
E▸P	41 53.1
ES	51 38.9

Date and Station	Phase	(GCT) h m s
HHM	IP	08 41 29.6
	EPCP	41 32.0
	E(pP)	42 41.1
	EsP	42 25.0
	IPP	44 53.6
EUR	IP C	08 41 35.9
	E	42 08.3
	EPP	45 03.5
	ES	52 10.7
BUT	EP	08 41 38.0
BOZ	IP D	08 41 41.2
	IsP	42 35.0
	IPP	45 13.4
SLC	EP	08 41 47.6
LVN	I(P)	08 41 49.0
GCA	EP	08 41 55.0
TUC	EP	08 42 05.6
ALQ	EP	08 42 17.4
	EPP	46 11.0
SJG	EP'	08 47 54.5
	ISKP	51 24.0
FEB 7		
H-09 02 35.0		
14.3N 92.2W		
h ABOUT 33KM		
ALQ	EP	09 07 52.0
EUR	E(P)	09 09 07.0
BMO	EP	09 09 45.2
FEB 7		
COL	EP	09 11 29.0
FEB 7		
BMO	EP	09 43 42.0
FEB 7		
BMO	EP	10 07 11.0
FEB 7		
H-10 39 03.7		
22.5S 179.6W		
h ABOUT 544KM		
COL	EP	10 51 07.0
FEB 7		
BMO	EP	11 15 11.3
FEB 7		
EUR	IP	11 31 34.9
FEB 7		
NEW	EP	13 27 37.0
FEB 7		
KIP	IP C	14 40 29.8
FEB 7		
H-14 53 13.9		
56.7N 157.2W		
h ABOUT 63KM		

Date and Station	Phase	(GCT) h m s
COL	IP	14 55 27.7
	ES	57 24.0
BRW	EP D	14 56 38.7
	I	56 58.7
	EL	15 01 30.5
NEW	IP	14 58 38.2
	EpP	58 54.0
HHM	IP	14 58 52.4
	EPCP	15 02 11.0
	E(S)	23 01.9
BUT	EP	14 59 13.0
BOZ	IP D	14 59 19.0
	IPCP	02 18.5
SLD	EP	14 59 26.8
	IPCP	15 02 20.5
EUR	IP D	14 59 35.0
	I	59 42.4
	IPCP	15 02 23.1
SLC	EP	14 59 45.8
GCA	IP C	15 00 11.2
TUC	IP D	15 00 44.7
	E	10 27.0
ALQ	IP D	15 00 46.8
	EPCP	02 49.2
SJG	IP	15 04 52.7
KIP	I	15 01 19.7
FEB 7		
COL	EP	14 58 24.0
BRW	E(P)	14 59 38.5
FEB 7		
NEW	EP	15 20 19.0
BMO	EP	15 20 31.4
EUR	EP	15 21 04.9
FEB 7		
BMO	EP	15 23 00.5
FEB 7		
EUR	EP	15 31 05.3
BRW	EP	15 37 21.5
FEB 7		
ALQ	E(P)	16 48 30.0
	E(L)	49 08.0
FEB 7		
H-18 19 49.2		
5.5S 147.2E		
h ABOUT 187KM		
COL	E(P)	18 32 02.2
BMO	EP	18 33 04.5
NEW	EP	18 33 05.0

Date and Station	Phase	(GCT) h m s
FEB 7		
BMO	EP	18 59 05.9
COL	IP	18 59 29.7
FEB 7		
ALQ	E(P)	19 02 34.8
	E(L)	02 59.0
FEB 7		
BOZ	EPN	19 17 00.0
	EL	17 11.5
FEB 7		
EUR	IP	19 27 58.0
FEB 7		
H-19 40 17.2		
55.4N 162.8E		
h ABOUT 58KM		
COL	IP	19 45 42.9
NEW	IP	19 48 47.5
BMO	EP	19 49 03.5
BOZ	E(P)	19 49 22.5
EUR	IP D	19 49 37.4
TUC	E(P)	19 50 34.8
ALQ	EP	19 50 36.5
FEB 7		
BMO	EP	19 53 35.5
FEB 7		
BMO	EP	20 25 30.6
FEB 7		
BMO	EP	21 33 54.1
FEB 7		
EUR	E(P)	21 45 50.5
FEB 7		
EUR	E(P)	22 01 43.3
FEB 7		
BMO	E(P)	22 12 47.3
FEB 7		
BMO	E(P)	22 15 35.5
	E	15 51.7
FEB 7		
EUR	E(P)	22 18 54.0
FEB 7		
ALQ	E(P)	22 28 27.5
	E	28 35.0
	E(L)	29 15.5
FEB 7		
EUR	EP	22 42 39.3
	EL	43 25.5
FEB 7		
H-22 56 10.0		
2.5S 138.3E		
h ABOUT 33KM		

Date and Station	Phase	(GCT) h m s
EUR	E(P)	23 09 56.0
FEB 7		
BOZ	E(P)	22 58 15.5
	E	58 44.5
	EL	58 55.0
FEB 7		
H-23 49 22.4		
17.8S 178.5W		
h ABOUT 579KM		
BMO	EP	24 00 50.7
COL	IP	24 01 00.2
FEB 8		
ALQ	E(P)	00 47 38.0
	E(L)	48 11.4
TUC	E(P)	00 48 25.8
FEB 8		
SJG	E(P)	01 32 53.5
	ELG	33 05.0
FEB 8		
SLD	EP D	02 06 53.0
	IS	07 04.9
FEB 8		
SLD	IP D	02 26 25.9
	IS	26 37.9
FEB 8		
BMO	EP	02 39 38.9
FEB 8		
COL	E(P)	04 32 07.5
FEB 8		
H-08 28 25.1		
16.5N 95.8W		
h ABOUT 62KM		
ALQ	E(P)	08 33 03.0
TUC	E(P)	08 33 03.5
EUR	E(P)	08 34 19.5
COL	EP	08 38 23.0
FEB 8		
BMO	E(P)	08 34 32.6
FEB 8		
BMO	EP	08 37 39.0
FEB 8		
H-09 37 53.6		
41.2N 123.4W		
h ABOUT 33KM		
UKI	E(P)	09 38 29.5
SLD	EP	09 39 02.8
	E(S)	39 26.5
	EL	39 49.8
BMO	IPN	09 39 19.7
EUR	EP C	09 39 21.3
	I	41 07.1

Date and Station	Phase (GCT)
	h m s
BOZ EP	09 40 13.5
ALQ EP	09 41 22.2
FEB 8	
BMO EP	09 46 24.0
FEB 8	
H-09 49 40.4	
36.5N 138.0E	
h ABOUT 33KM	
COL EP	09 58 41.0
HHM E(P)	10 01 13.7
BMO EP	10 01 15.7
BOZ EP	10 01 31.5
EUR EP	10 01 38.4
FEB 8	
BUT E(P)	10 01 08.5
FEB 8	
COL EP	10 52 56.0
FEB 8	
H-12 18 00.5	
18.3S 70.0W	
h ABOUT 107KM	
BMO EP	12 29 39.0
FEB 8	
BMO E(P)	12 22 53.5
FEB 8	
H-13 42 16.6	
19.2S 69.6W	
h ABOUT 112KM	
BOZ E(P)	13 53 42.5
BMO EP	13 54 00.5
E	54 25.3
FEB 8	
NEW EP	14 04 35.0
FEB 8	
BMO EP	14 19 44.7
FEB 8	
H-15 15 00.1	
37.2N 116.0W	
h ABOUT 0KM	
EUR IP	15 15 39.6
GCA IP C	15 15 59.0
SLD E(P)	15 16 09.5
I	16 15.7
IL	17 08.3
SLC EP	15 16 18.5
E	16 33.7
TUC E(P)	15 16 38.0
EL	18 26.5
BMO EPN	15 16 57.2
ALQ E(P)	15 17 01.0
E	17 29.0
EL	19 11.5
BOZ E(P)	15 17 19.5
E	17 41.3
NEW EP	15 17 46.0
EL	21 06.0
FEB 8	
EUR IP	15 31 09.4
GCA EP	15 31 38.0
SLD EP	15 31 44.7
I	32 42.5
FEB 8	
H-15 35 43.0	
58.3S 12.9W	
h ABOUT 33KM	
EUR EP'	15 54 51.3
BMO EP'	15 54 55.5
E	55 09.8
FEB 8	
COL EP	15 42 42.0
FEB 8	
COL EP	15 56 04.0
FEB 8	
BMO E(P)	16 06 07.1
FEB 8	
H-17 17 41.3	
23.1N 93.9E	
h ABOUT 5KM	
COL IP	17 29 55.1
BMO EP'	17 36 25.0
FEB 8	
BMO IP	17 31 30.9
FEB 8	
BMO EP	18 03 22.5
FEB 8	
EUR E(P)	18 57 09.7
FEB 8	
BUT EPN	19 03 55.7
BOZ EPN	19 04 06.0
EL	04 16.8
FEB 8	
TUC (PN)	19 24 54.0
FEB 8	
H-19 39 13.0	
15.2N 96.4W	
h ABOUT 33KM	
TUC EP	19 44 02.0
E	44 09.0
ALQ EP	19 44 03.5
EUR IP	19 45 18.9
BMO EP	19 45 59.0
E	48 34.0
NEW EP	19 46 22.0
COL IP	19 49 20.9
FEB 8	
ALQ E(P)	22 00 14.4
E	00 17.0
E(L)	00 48.5
FEB 9	
GCA IP	00 25 12.8
IS	25 37.5
FEB 9	
ADK EP	00 27 12.4
ES	27 44.0
FEB 9	
H-00 50 52.1	
36.6N 138.3E	
h ABOUT 8KM	
EUR EP	01 02 52.3
FEB 9	
BMO EP	02 10 56.8
FEB 9	
BMO E(P)	02 59 51.0
FEB 9	
BMO E(P)	03 43 10.8
FEB 9	
BOZ E(P)	05 12 50.0
FEB 9	
BOZ E(P)	05 17 19.0
FEB 9	
BOZ E(P)	05 53 49.6
FEB 9	
BMO E(P)	06 07 02.0
FEB 9	
BMO EP	08 05 07.1
FEB 9	
TUC EP	08 54 13.6
EUR EP	08 54 14.0
BMO EP	08 54 24.5
FEB 9	
H-10 44 54.9	
37.3N 142.0E	
h ABOUT 33KM	
BMO EP	10 56 13.5
BOZ E(P)	10 56 30.7
EUR IP	10 56 37.1
FEB 9	
BOZ EPN	11 39 47.0
E	39 58.5
BMO EPN	11 40 40.7
FEB 9	
BMO EP	11 50 28.5
FEB 9	
ADK EP	11 56 41.8
IS	58 30.0
FEB 9	
ADK E(P)	12 01 00.4
ES	01 48.6
FEB 9	
COL EP	12 05 38.0
FEB 9	
EUR EP	13 16 41.3
BUT E(P)	13 17 44.7
HHM E(P)	13 18 01.2
FEB 9	
H-13 16 57.4	
46.2N 111.4W	
h ABOUT 19KM	
BZM E(P)	13 17 09.5
BOZ EPN	13 17 10.5
E	17 22.5
EL	17 28.5
BMO EP	13 18 04.6
FEB 9	
H-14 08 18.2	
40.0N 20.3E	
h ABOUT 1KM	
COL IP	14 20 03.0
HHM EP	14 20 48.2
NEW IP	14 20 54.3
BOZ EP C	14 20 55.3
BMO EP	14 21 07.8
ALQ E(P)	14 21 25.4
EUR IP	14 21 28.5
TUC E(P)	14 21 44.2
FEB 9	
BMO EP	14 30 20.5
FEB 9	
BOZ EPN	14 45 50.0
FEB 9	
H-15 24 47.9	
2.9N 74.9W	
h ABOUT 60KM	
BHP IP	15 26 34.5
IS	27 57.5
SJG I(P)	15 28 42.1
IS	31 50.0

Date and Station	Phase	(GCT) h m s
CSC	IP	15 31 05.0
	EPP	31 20.0
	ES	36 26.0
WSC	EP	15 31 45.0
	EL	37 57.5
PHI	IP	15 31 53.9
	IS	37 36.5
CHK	EP	15 32 18.8
	EPP	34 00.8
	ES	38 24.0
ALQ	IP C	15 32 46.4
	E	38 01.5
	E	39 28.0
GCA	IP C	15 33 22.4
	IS	43 16.0
FGU	IP C	15 33 30.4
LVN	IP	15 33 37.0
SLC	IP	15 33 39.3
	E	34 39.1
	EPP	35 36.1
	ES	40 51.4
EUR	IP	15 33 53.2
BOZ	IP C	15 34 02.3
	EPCP	35 03.5
BUT	IP	15 34 09.0
	ES	41 39.7
SLD	IP C	15 34 11.1
	IPP	34 25.4
	ES	41 49.9
	ISCS	43 59.8
	E	44 22.5
BMO	EP	15 34 20.7
HHM	IP	15 34 24.2
	EPCP	35 29.7
	EPP	36 32.2
UKI	E(P)	15 34 26.0
	E	42 27.0
NEW	IP	15 34 34.5
	IS	42 34.0
SIT	IP	15 36 07.0
	IS	45 28.0
COL	IP C	15 36 52.0
	I	37 08.0
	EPP	40 12.7
	IS	46 52.0
KIP	IP C	15 37 09.2
	IS	47 14.3
HON	I(P)	15 37 10.6
ADK	EP	15 38 05.0
	ES	49 19.3

Date and Station	Phase	(GCT) h m s
FEB 9		
SLD	IP D	15 29 20.6
	IS	29 23.5
FEB 9		
BMO	EP	15 31 05.9
FEB 9		
GUA	EP	15 43 48.0
FEB 9		
BMO	E(P)	16 11 38.2
FEB 9		
EUR	EP	16 38 16.2
FEB 9		
H-16 44 07.3		
2.8N 74.7W		
h ABOUT 62KM		
ALQ	EP	16 52 07.4
EUR	E(P)	16 53 15.0
BOZ	E(P)	16 53 23.7
BMO	EP	16 53 42.2
FEB 9		
BOZ	E(P)	17 12 03.5
FEB 9		
BMO	E(P)	17 13 12.2
BOZ	E(P)	17 14 10.5
FEB 9		
H-17 15 37.4		
3.2N 74.9W		
h ABOUT 31KM		
ALQ	EP	17 23 37.0
BOZ	E(P)	17 25 03.5
BMO	E(P)	17 25 03.9
FEB 9		
BOZ	E(P)	17 21 45.5
FEB 9		
TUC	E(P)	17 31 35.0
EUR	EP	17 32 46.0
BMO	EP	17 33 21.6
FEB 9		
BOZ	E(P)	17 43 07.5
FEB 9		
SJG	EP	17 58 03.0
	ES	58 39.0
FEB 9		
BOZ	E(P)	19 13 08.5
FEB 9		
H-19 25 13.9		
2.5N 74.2W		
h ABOUT 87KM		
ALQ	EP	19 33 15.1

Date and Station	Phase	(GCT) h m s
EUR	E(P)	19 34 20.1
BOZ	E(P)	19 34 30.7
FEB 9		
EUR	EP	19 31 17.0
FEB 9		
EUR	IP	19 39 53.8
FEB 9		
H-20 16 28.5		
19.6S 175.9W		
h ABOUT 240KM		
COL	EP	20 28 46.0
FEB 9		
EUR	E(P)	20 17 02.0
FEB 9		
H-21 15 26.4		
2.9N 74.8W		
h ABOUT 66KM		
SJG	EP	21 19 29.0
ALQ	EP	21 23 25.0
TUC	E(P)	21 23 34.0
BMO	EP	21 25 03.4
COL	E(P)	21 27 39.2
FEB 9		
EUR	IP	21 17 14.2
FEB 9		
BOZ	E(P)	21 24 19.5
	E	24 40.0
	E	25 00.0
FEB 9		
BOZ	EPN	21 26 14.5
	EL	26 35.0
FEB 9		
BOZ	E(P)	21 42 18.3
FEB 9		
EUR	IP	21 55 06.2
ALQ	E(P)	21 55 12.0
	E(L)	55 50.0
FEB 9		
ALQ	EP	22 20 59.2
FEB 9		
ALQ	E(P)	22 26 55.5
	E(L)	27 34.2
EUR	E(P)	22 27 28.5
FEB 9		
ADK	E(P)	22 39 07.0
BMO	EP	22 41 05.7
FEB 9		
ALQ	E(P)	22 59 29.4
	E	59 48.6

Date and Station	Phase	(GCT) h m s
FEB 9		
ALQ	E(P)	23 00 20.5
BOZ	E(P)	23 02 35.0
FEB 9		
EUR	EP	23 37 09.7
FEB 9		
SLD	EP	23 58 54.4
	IS	59 11.8
FEB 10		
COL	IP	01 40 55.1
FEB 10		
H-02 41 21.0		
42.2N 76.6E		
h ABOUT 50KM		
COL	EP	02 52 14.8
FEB 10		
H-03 17 43.3		
39.2S 74.6W		
h ABOUT 33KM		
ALQ	IP	03 29 48.5
FEB 10		
PMR	IP C	04 08 20.2
	I	08 33.1
FEB 10		
SJG	IP	04 53 04.0
	IS	53 51.5
FEB 10		
EUR	E(P)	05 09 16.2
FEB 10		
H-05 46 31.8		
33.3N 75.3E		
h ABOUT 35KM		
COL	IP	05 58 19.3
FEB 10		
PMR	EP	05 50 22.5
FEB 10		
H-05 51 02.3		
41.8N 86.3E		
h ABOUT 18KM		
COL	IP	06 01 46.2
NEW	IP	06 03 53.0
BMO	EP	06 04 07.2
BOZ	EP	06 04 09.5
	E	04 22.0
EUR	IP	06 04 33.1
FEB 10		
TUC	E(P)	06 08 04.2
FEB 10		
H-06 51 37.0		
16.3S 69.6W		
h ABOUT 288KM		

Date and Station	Phase (GCT)
	h m s
TUC E(P)	07 01 31.5
EUR EP	07 02 23.4
FEB 10	
BMO EP	06 57 26.3
FEB 10	
BMO EP	07 20 48.3
FEB 10	
H-07 25 23.9	
53.2N 170.1W	
h ABOUT 20KM	
ADK IP	07 26 28.2
IS	27 20.3
COL EP	07 29 13.0
BMO EP	07 32 16.6
EUR E(P)	07 32 49.0
FEB 10	
LVN EP	07 36 44.0
FEB 10	
TUC E(P)	07 39 44.8
EL	41 22.0
FEB 10	
TUC E(P)	07 41 22.0
E	42 07.0
BCN (PN)	07 41 26.6
EL	42 57.1
GCA EP	07 41 57.0
ILG	43 38.0
EUR E(P)	07 42 06.0
I	42 32.0
ALQ E(P)	07 42 11.0
E	42 56.5
E	44 37.0
FEB 10	
PMR IP D	08 36 35.0
BMO EP	08 40 53.5
FEB 10	
PMR IP D	08 46 26.8
FEB 10	
BOZ E(P)	08 57 21.7
FEB 10	
COL IP	09 13 36.0
FEB 10	
TUC E(P)	09 26 25.5
EL	27 04.8
BCN (PN)	09 27 05.1
E(L)	27 58.1
FEB 10	
SLD EP	09 32 07.7
IS	32 23.5

Date and Station	Phase (GCT)
	h m s
FEB 10	
BOZ EPN	09 50 29.5
EL	50 38.7
FEB 10	
EUR IP	11 28 48.5
FEB 10	
H-11 29 46.6	
7.3S 128.5E	
h ABOUT 32KM	
COL EP	11 43 03.0
EUR IP'	11 48 25.1
BOZ EP'	11 48 37.0
ALQ EP'	11 48 42.6
FEB 10	
EUR IP	13 48 36.2
FEB 10	
H-14 28 08.5	
36.5N 71.3E	
h ABOUT 163KM	
COL E(P)	14 39 29.0
FEB 10	
ADK E(P)	14 50 43.2
ES	51 46.7
FEB 10	
COL IP	15 50 17.3
FEB 10	
BHP IP	16 29 28.7
IS	29 30.6
FEB 10	
EUR EP	18 15 58.4
IS	16 06.8
FEB 10	
NEW EP	18 34 16.0
FEB 10	
BCN E(P)	19 35 28.6
FEB 10	
ALQ E(P)	20 31 14.6
E(L)	31 48.0
FEB 10	
PMR EP	20 55 15.4
IS	55 24.8
FEB 10	
H-21 00 13.5	
27.6N 96.5E	
h ABOUT 33KM	
COL E(P)	21 11 58.0
FEB 10	
EUR IP	21 56 13.3
FEB 10	
ALQ E(P)	22 28 24.0
E	28 31.2
E(L)	29 10.6

Date and Station	Phase (GCT)
	h m s
FEB 10	
H-22 32 31.6	
14.2N 92.5W	
h ABOUT 77KM	
TUC E(P)	22 37 46.0
BMO EP	22 39 36.7
COL EP	22 42 52.0
FEB 10	
BOZ E(P)	23 04 20.0
FEB 10	
PMR EP	23 39 44.7
FEB 11	
BMO IPN	00 02 54.5
FEB 11	
H-00 23 15.6	
15.9N 98.7W	
h ABOUT 33KM	
BMO EP	00 29 53.5
FEB 11	
EUR EP	00 39 22.8
E(S)	39 33.5
FEB 11	
COL E(P)	00 45 49.0
FEB 11	
BMO EP	00 52 34.9
ALQ EP	00 54 39.6
FEB 11	
COL EP	02 09 36.0
FEB 11	
H-02 39 50.7	
51.7N 159.5E	
h ABOUT 51KM	
BRW E(P)	02 45 44.4
COL IP	02 45 52.5
NEW EP	02 48 49.0
BMO EP	02 49 03.2
HHM E(P)	02 49 04.7
BOZ EP	02 49 22.3
EpP	49 36.0
EsP	49 44.0
EUR IP	02 49 34.8
BCN E(P)	02 50 02.1
ALQ EP	02 50 33.5
FEB 11	
BMO EP	02 41 14.4
BOZ E(P)	02 42 02.7

Date and Station	Phase (GCT)
	h m s
FEB 11	
PMR IP	02 56 28.2
ES	56 36.7
COL EP	02 57 10.2
IS	57 48.0
FEB 11	
H-03 37 07.5	
19.9S 177.9W	
h ABOUT 474KM	
EUR EP	03 48 41.0
TUC EP	03 48 41.5
BMO EP	03 48 51.8
COL EP	03 49 04.0
FEB 11	
COL EP	04 16 35.0
FEB 11	
H-04 25 47.2	
16.3N 98.6W	
h ABOUT 36KM	
TUC EP	04 30 11.5
EL	35 26.0
ALQ IP C	04 30 18.0
E(S)	34 04.0
EL	36 27.0
GCA EP	04 30 57.2
CSC EP	04 30 57.5
E(S)	35 24.0
BCN EP	04 31 04.6
E	32 12.6
EL	38 42.6
SLC EP	04 31 27.7
E	31 35.5
EUR IP C	04 31 33.2
EL	40 01.0
BOZ EP	04 32 06.0
E	32 36.0
BUT EP	04 32 10.8
BMO EP	04 32 15.9
E	32 22.1
HHM EP	04 32 32.7
NEW EP	04 32 38.0
I	32 47.0
EPCP	35 15.0
COL IP	04 35 42.2
BRW EP	04 36 22.3
FEB 11	
COL EP	04 32 02.0
FEB 11	
SLD E(P)	04 32 50.5

Date and Station	Phase	(GCT) h m s
FEB 11		
EUR	IP	04 40 26.3
FEB 11		
H-04 48 03.4		
16.3N 98.7W		
h ABOUT 20KM		
TUC	EP	04 52 29.0
	EL	58 05.0
ALQ	EP C	04 52 36.2
	E	52 42.0
	EL	59 04.0
CSC	EP	04 53 15.5
BCN	EP	04 53 21.6
	E	53 27.4
	EL	05 01 02.1
EUR	EP	04 53 52.0
	EL	05 02 53.0
BOZ	EP	04 54 24.0
	E	54 30.0
BMO	EP	04 54 34.0
	E	54 40.4
HHM	E(P)	04 54 51.2
NEW	EP	04 54 58.0
COL	EP	04 58 00.0
FEB 11		
H-05 04 27.9		
16.2N 98.7W		
h ABOUT 37KM		
TUC	EP	05 08 53.5
	EL	14 40.0
ALQ	EP	05 08 59.6
	E	09 06.0
	EL	15 11.5
GCA	E(P)	05 09 40.0
BCN	E(P)	05 09 45.6
	EL	17 00.1
EUR	EP	05 10 15.2
	EL	19 32.5
BOZ	E(P)	05 10 47.0
BMO	EP	05 10 58.1
	E	11 05.3
NEW	EP	05 11 23.0
COL	EP	05 14 24.0
FEB 11		
ALQ	EP	05 11 34.0
BMO	EP	05 13 38.1
FEB 11		
H-05 11 42.0		
16.0N 98.8W		
h ABOUT 33KM		
ALQ	EP	05 16 15.5
EUR	IP	05 17 30.8
BMO	EP	05 18 13.4
	E	18 19.3
FEB 11		
EUR	E(P)	06 46 41.5
FEB 11		
H-06 55 58.0		
16.0N 98.8W		
h ABOUT 14KM		
TUC	E(P)	07 00 27.5
ALQ	EP	07 00 33.0
EUR	EP	07 01 53.4
BMO	EP	07 02 31.2
	E	02 37.1
FEB 11		
COL	EP	07 16 05.0
FEB 11		
H-08 05 12.0		
36.7N 70.9E		
h ABOUT 99KM		
COL	EP	08 16 39.0
FEB 11		
H-09 27 30.4		
52.2N 106.4E		
h ABOUT 5KM		
BRW	EP D	09 35 38.5
COL	IP	09 36 28.7
PMR	EP	09 36 40.7
NEW	IP	09 39 04.7
HHM	EP	09 39 09.7
	E	39 19.7
BMO	IP	09 39 22.2
BOZ	IP C	09 39 27.5
	E▸P	39 34.5
EUR	IP D	09 39 51.1
	I▸P	39 58.5
	EPP	42 50.4
SLC	EP	09 39 51.3
	E	40 03.9
SLD	EP	09 39 53.0
GCA	EP	09 40 09.5
BCN	EP	09 40 10.4
	E▸P	40 16.6
ALQ	IP D	09 40 27.0
	E▸P	40 35.0
TUC	E(P)	09 40 29.5
FEB 11		
EUR	EP	09 33 32.8
FEB 11		
CSC	EP	10 46 06.4
FEB 11		
BCN	(PN)	11 20 49.1
	EL	21 28.6
EUR	EP	11 21 27.6
FEB 11		
H-12 29 44.1		
19.4N 108.0W		
h ABOUT 33KM		
TUC	E(P)	12 32 50.5
	ES	35 30.0
ALQ	EP	12 33 25.6
	EL	36 24.0
BCN	EP	12 33 49.6
	E	33 58.1
	E	34 18.1
GCA	EP	12 33 53.5
LVN	IP	12 33 54.5
SLD	EP	12 34 27.2
EUR	IP	12 34 28.8
BOZ	E(P)	12 35 18.5
BMO	EP	12 35 19.7
NEW	EP	12 35 50.0
COL	EP	12 38 59.0
FEB 11		
COL	EP	12 40 07.0
FEB 11		
PMR	IP	13 04 27.6
FEB 11		
H-14 33 08.6		
48.3N 154.9E		
h ABOUT 43KM		
BRW	EP	14 39 33.0
COL	IP	14 39 52.2
NEW	EP	14 42 39.0
BMO	EP	14 42 53.9
BOZ	EP	14 43 12.5
EUR	IP	14 43 23.2
TUC	EP	14 44 13.5
ALQ	EP	14 44 18.8
FEB 11		
H-14 39 14.9		
48.7N 154.0E		
h ABOUT 79KM		
COL	E(P)	14 46 06.2
FEB 11		
BCN	EPN	15 06 28.8
	ES	06 30.6
TUC	(PN)	15 07 23.2
FEB 11		
BCN	EPN	15 14 18.0
	ES	14 19.4
FEB 11		
EUR	IP	15 15 16.7
SLD	EP	15 15 58.3
	IL	16 25.1
FEB 11		
EUR	EP	15 16 15.4
	IS	16 52.7
FEB 11		
H-15 18 06.4		
30.5N 50.7E		
h ABOUT 39KM		
BRW	EP	15 29 55.7
COL	EP	15 30 34.0
FEB 11		
H-15 31 27.4		
79.6N 3.3E		
h ABOUT 33KM		
COL	EP	15 38 16.0
HHM	E(P)	15 40 00.0
NEW	IP	15 40 05.0
BOZ	E(P)	15 40 17.0
BMO	EP	15 40 29.8
EUR	IP	15 41 08.0
ALQ	EP	15 41 28.5
BCN	EP	15 41 30.9
SLD	EP	15 41 31.0
TUC	EP	15 41 50.0
FEB 11		
COL	EP	16 26 56.0
FEB 11		
BCN	IPND	17 46 54.4
	E(S)	46 56.1
LVN	IP	17 47 01.0
EUR	E(P)	17 47 47.9
FEB 11		
EUR	IP	17 48 04.5
FEB 11		
ALQ	E(P)	17 58 06.5
	E(L)	58 45.5

Date and Station	Phase (GCT)
	h m s
FEB 11	
EUR EP	18 01 06.1
FEB 11	
TUC E(P)	19 18 25.5
FEB 11	
H-19 25 02.5	
15.1S 72.0W	
h ABOUT 133KM	
BMO EP	19 36 16.5
FEB 11	
H-19 48 02.7	
21.9S 70.7W	
h ABOUT 29KM	
SJG IP	19 55 31.4
ALQ EP	19 58 48.0
BCN EP	19 59 20.6
EUR IP	19 59 40.0
BOZ E(P)	19 59 52.8
BUT EP	19 59 57.0
BMO EP	20 00 05.2
HHM E(P)	20 00 10.7
NEW EP	20 00 17.0
FEB 11	
COL IP	21 38 44.7
BRW EP	21 39 32.7
EL	40 55.0
FEB 11	
COL EP	22 05 51.8
FEB 11	
H-22 50 32.8	
51.5N 175.0E	
h ABOUT 33KM	
ADK IP	22 51 49.3
ES	52 47.0
COL E(P)	22 55 39.5
BRW EP	22 55 41.7
NEW IP	22 58 24.9
E	58 39.0
BMO EP	22 58 38.6
E	58 53.6
EUR IP C	22 59 11.1
I	59 24.9
BCN EP	22 59 33.7
FEB 11	
ALQ E(P)	22 58 39.8
E(L)	59 04.5
FEB 11	
BMO EP	23 08 26.8
HHM E(P)	23 08 28.2
COL IP	23 09 16.0
FEB 11	
BOZ E(P)	23 10 25.3
COL EP	23 15 54.0
FEB 11	
BMO E(P)	23 11 45.7
FEB 11	
EUR EP	23 18 26.6
FEB 12	
H-00 21 30.0	
36.6N 138.4E	
h ABOUT 4KM	
BMO EP	00 33 07.5
FEB 12	
H-00 24 16.9	
23.4S 174.7W	
h ABOUT 33KM	
BMO E(P)	00 36 54.9
COL EP	00 37 14.0
FEB 12	
BHP IP	00 30 25.7
IS	31 13.3
FEB 12	
BCN IPND	00 48 56.2
LVN IP	00 49 03.0
EUR E(P)	00 49 50.5
EL	50 47.5
FEB 12	
SLD E(P)	01 28 25.8
EL	28 53.9
FEB 12	
EUR IP	01 40 32.1
I	40 39.5
SLD E(P)	01 40 40.5
BCN EPN	01 40 52.7
EL	40 48.8
FEB 12	
TUC E(P)	01 43 18.0
FEB 12	
EUR IP	02 05 21.2
FEB 12	
ALQ E(P)	02 44 39.2
E(L)	45 38.0
FEB 12	
COL E(P)	03 10 08.5
FEB 12	
H-03 29 07.5	
44.8N 148.3E	
h ABOUT 130KM	
COL EP	03 36 28.9
BMO EP	03 39 22.3
BOZ E(P)	03 39 39.4
EUR EP	03 39 49.4
FEB 12	
BMO EP	05 27 35.5
FEB 12	
BCN IPND	05 42 49.7
IS	42 51.4
FEB 12	
H-06 11 40.3	
17.6S 178.9W	
h ABOUT 493KM	
EUR EP	06 23 07.3
TUC EP	06 23 09.2
BMO EP	06 23 16.9
COL EP	06 23 24.0
FEB 12	
BOZ E(P)	06 54 08.0
E	54 25.3
FEB 12	
BMO EP	07 14 02.2
FEB 12	
ALQ E(P)	07 18 11.6
E(L)	18 48.4
FEB 12	
BMO IP	08 38 21.4
E	38 43.0
BOZ E(P)	08 38 48.5
E	38 57.0
EL	39 38.5
EUR E(P)	08 39 02.8
E	39 06.9
EL	40 08.8
FEB 12	
SJG EP	09 02 25.5
I	02 26.3
IS	02 56.8
FEB 12	
SLD IP D	09 14 08.3
IS	14 20.4
FEB 12	
H-10 11 52.4	
37.7N 108.0W	
h ABOUT 5KM	
ALQ E(P)	10 12 41.0
E(L)	13 18.5
GCA E(P)	10 12 46.6
ELG	13 25.5
FEB 12	
TUC (PN)	10 13 38.0
EUR E(P)	10 13 54.0
FEB 12	
BCN EP	10 14 55.8
FEB 12	
H-10 16 13.8	
2.4S 12.4W	
h ABOUT 33KM	
BMO EP	10 30 07.0
COL E(P)	10 30 49.0
FEB 12	
BMO E(P)	10 53 09.8
FEB 12	
COL EP	11 28 40.0
FEB 12	
H-11 50 50.0	
42.6S 83.8E	
h ABOUT 33KM	
COL EP'	12 10 19.0
SLD EP'	12 10 47.6
TUC EP'	12 10 51.0
E	11 46.5
BCN EP'	12 10 52.3
E	11 44.6
EUR IP'	12 10 52.5
ALQ EP'	12 10 54.5
FEB 12	
BMO EP	12 11 16.5
EUR IP	12 11 47.1
HHM E(P)	12 11 52.2
ALQ EP	12 12 05.5
BOZ E(P)	12 12 06.0
FEB 12	
BMO E(P)	12 11 46.0
FEB 12	
EUR EP	13 03 00.4
FEB 12	
BCN IPNC	13 30 36.8
IS	30 38.6
FEB 12	
EUR E(P)	14 00 33.0
FEB 12	
H-14 08 13.8	
21.7S 70.2W	
h ABOUT 27KM	
SJG IP C	14 15 44.5
IPP	17 20.5
IS	21 44.0
CSC E(P)	14 17 53.5

Date and Station	Phase	Phase (GCT) h m s
ALQ	IP C	14 19 00.5
	EpP	19 09.0
TUC	EP	14 19 01.2
	EpP	19 09.5
GCA	EP	14 19 27.0
BCN	EP	14 19 33.1
EUR	IP C	14 19 51.8
	IpP	20 00.0
	E	21 45.0
SLD	EP	14 19 59.6
BOZ	IP C	14 20 05.3
	EpP	20 13.5
BUT	EP	14 20 09.7
BMO	IP	14 20 16.7
NEW	IP	14 20 28.9
COL	IP	14 22 15.6
FEB 12		
BCN	IPNC	14 14 36.3
	ES	14 37.6
FEB 12		
COL	E(P)	14 26 36.5
FEB 12		
BMO	EP	15 27 22.0
	E	27 35.5
EUR	IP	15 27 25.1
FEB 12		
GUA	EP	15 33 39.0
	E(S)	37 48.0
FEB 12		
H-16 06 48.3		
35.9N 70.9E		
h ABOUT 96KM		
COL	IP	16 18 20.8
FEB 12		
H-16 33 00.5		
52.3N 169.7W		
h ABOUT 33KM		
COL	EP	16 36 56.0
BMO	E(P)	16 39 59.2
EUR	EP	16 40 27.5
FEB 12		
H-16 46 04.3		
30.3N 50.3E		
h ABOUT 33KM		
COL	EP	16 58 34.0
FEB 12		
ADK	EP	17 34 06.0
	ES	34 51.3
FEB 12		
H-17 54 35.8		
5.9S 149.3E		
h ABOUT 92KM		
COL	IP	18 06 57.2
EUR	EP	18 07 59.1
FEB 12		
SLD	IP	18 45 41.5
	IS	45 59.8
FEB 12		
BOZ	EPN	19 29 40.5
	EL	31 51.5
FEB 12		
H-21 04 56.5		
17.6S 173.6W		
h ABOUT 80KM		
TUC	E(P)	21 16 48.0
EUR	IP	21 16 50.2
BMO	EP	21 17 00.8
COL	IP	21 17 20.8
FEB 12		
BCN	EPN	22 02 42.8
	ES	02 44.3
FEB 12		
EUR	EP	22 08 16.6
	EL	09 03.2
FEB 12		
COL	EP	22 16 38.0
FEB 12		
COL	IP	22 17 39.3
FEB 12		
SJG	E(P)	22 38 53.8
	ELG	39 47.3
FEB 12		
BCN	EPN	22 53 34.8
	ES	54 15.3
FEB 12		
BMO	EP	23 32 56.5
	E	33 04.6
EUR	EP	23 33 36.2
FEB 12		
H-23 41 17.6		
39.4N 120.1W		
h ABOUT 10KM		
SLD	EP	23 42 01.3
	IS	42 33.5
EUR	IP	23 42 09.7
FEB 13		
EUR	IP	01 09 56.8
FEB 13		
FGU	EP	02 25 09.5
	ILG	25 35.5
FEB 13		
BCN	EPN	02 55 54.8
	ES	55 56.3
FEB 13		
UKI	(PN)	03 22 18.5
FEB 13		
EUR	IP	04 39 07.0
FEB 13		
LVN	E(P)	05 11 22.0
FEB 13		
H-05 15 20.2		
38.2S 73.4W		
h ABOUT 4KM		
ALQ	EP	05 27 27.5
FEB 13		
H-05 19 45.3		
51.8N 173.5W		
h ABOUT 41KM		
ADK	IP	05 20 15.7
COL	E(P)	05 24 00.7
HHM	E(P)	05 26 56.0
BMO	E(P)	05 27 00.7
EUR	IP	05 27 26.2
FEB 13		
BCN	EPN	05 56 26.2
	EL	57 22.3
EUR	EP	05 57 06.1
FEB 13		
H-06 02 12.0		
24.8N 122.1E		
h ABOUT 70KM		
COL	EP	06 13 04.0
NEW	IP	06 15 06.5
HHM	EP	06 15 13.6
BMO	EP	06 15 15.4
SLD	EP	06 15 27.0
EUR	EP	06 15 33.5
FEB 13		
BOZ	E(P)	06 34 19.5
FEB 13		
H-07 25 59.8		
48.2N 154.8E		
h ABOUT 45KM		
COL	IP	07 32 42.3
BMO	EP	07 35 44.9
	E	35 57.4
EUR	IP	07 36 13.9
FEB 13		
H-07 38 33.4		
24.3S 67.1W		
h ABOUT 167KM		
BMO	E(P)	07 50 39.1
FEB 13		
H-07 48 21.5		
20.1S 173.8W		
h ABOUT 33KM		
TUC	E(P)	08 00 27.5
EUR	EP	08 00 30.4
BMO	EP	08 00 41.3
COL	EP	08 01 05.0
FEB 13		
H-08 05 58.5		
36.0N 114.7W		
h ABOUT 13KM		
BCN	I(P)	08 06 01.2
GCA	E(P)	08 06 46.4
	I	06 47.5
	ILG	07 22.0
EUR	EP	08 06 54.6
	E(S)	07 34.0
	IL	07 51.0
TUC	(PN)	08 07 13.5
FEB 13		
BMO	EP	08 06 42.8
FEB 13		
H-08 32 42.6		
38.2S 72.7W		
h ABOUT 64KM		
ALQ	EP	08 44 42.4
EUR	EP	08 45 21.4
FEB 13		
BMO	E(P)	08 46 11.9
FEB 13		
ALQ	E(P)	09 09 57.0
	E(L)	11 51.5
FEB 13		
COL	IP	09 17 38.6
EUR	EP	09 17 59.0
BMO	EP	09 18 02.0
FEB 13		
ADK	IP	09 20 22.6
	ES	20 44.9
FEB 13		
H-10 07 33.7		
52.6N 169.6W		
h ABOUT 39KM		
ADK	IP	10 08 39.5
	IS	09 30.2

Date and Station	Phase (GCT)
	h m s
COL EP	10 11 25.0
BRW E(P)	10 12 13.3
NEW IP	10 14 07.9
E	14 18.0
BMO EP	10 14 22.0
E	14 33.0
HHM EP	10 14 23.4
BOZ EP	10 14 46.0
E(pP)	15 12.0
EUR IP	10 14 55.0
TUC E(P)	10 15 57.0
ALQ E(P)	10 16 05.1
EPCP	17 35.0
FEB 13	
SLD E(P)	10 14 58.3
BMO EP	10 16 53.0
ALQ EP	10 17 35.7
FEB 13	
EUR I(P)	10 17 05.7
FEB 13	
H-10 25 44.0	
5.2S 75.4W	
h ABOUT 39KM	
SJG IP	10 31 05.0
ALQ IP C	10 34 33.5
EpP	34 49.0
E	35 34.5
TUC IP	10 34 38.5
EpP	34 54.5
GCA EP	10 35 05.3
EpP	35 23.5
E	35 27.5
EsP	35 34.0
BCN EP	10 35 14.8
SLC EP	10 35 26.0
EPCP	36 21.3
EUR IP	10 35 35.9
BOZ IP C	10 35 48.5
EpP	36 04.5
SLD IP C	10 35 49.3
BMO EP	10 36 03.2
EpP	36 20.5
HHM EP	10 36 10.0
NEW IP	10 36 18.7
COL EP	10 38 27.0

Date and Station	Phase (GCT)
	h m s
FEB 13	
H-11 16 32.8	
38.2S 73.1W	
h ABOUT 33KM	
EUR E(P)	11 29 15.4
FEB 13	
EUR IP	11 18 00.0
FEB 13	
H-11 21 08.6	
36.2N 139.8E	
h ABOUT 60KM	
BRW EP	11 29 41.3
COL IP	11 30 02.6
NEW EP	11 32 25.0
HHM EP	11 32 35.4
BMO EP	11 32 36.7
SLD EP	11 32 49.0
BOZ EP	11 32 52.0
E	33 02.5
EUR IP C	11 32 59.4
IpP	33 15.4
BCN EP	11 33 15.3
TUC EP	11 33 39.5
ALQ EP	11 33 46.1
FEB 13	
EUR IP	11 26 40.2
FEB 13	
H-11 30 46.9	
44.2N 148.4E	
h ABOUT 42KM	
BRW I(P)	11 37 00.0
NEW EP	11 41 03.0
IpP	41 13.0
HHM E(P)	11 41 13.4
EpP	41 23.4
BMO EP	11 41 13.8
EpP	41 25.3
BOZ EP	11 41 30.7
EpP	41 43.0
EPCP	42 04.3
EUR EP	11 41 40.0
BCN EP	11 41 57.3
TUC E(P)	11 42 25.5
FEB 13	
FGU E(P)	13 04 18.5
E	04 20.2
ILG	04 44.1

Date and Station	Phase (GCT)
	h m s
FEB 13	
H-13 53 20.2	
1.8N 73.4W	
h ABOUT 49KM	
SJG EP	13 57 25.5
I	58 11.1
ALQ EP D	14 01 34.4
TUC E(P)	14 01 44.0
EUR IP	14 02 41.8
BMO E(P)	14 03 11.4
FEB 13	
BMO EP	14 02 32.8
BOZ E(P)	14 02 34.0
COL EP	14 06 12.0
FEB 13	
H-14 09 18.8	
35.4N 140.4E	
h ABOUT 30KM	
COL E(P)	14 18 19.0
FEB 13	
HHM EP	14 20 22.4
FEB 13	
BMO E(P)	15 11 44.3
FEB 13	
H-15 29 05.5	
5.1S 153.1E	
h ABOUT 58KM	
GUA E(P)	15 33 39.0
COL IP	15 41 19.3
BMO EP	15 42 14.1
E	42 48.9
EUR IP	15 42 18.7
BCN E(P)	15 42 34.8
E	42 46.3
FEB 13	
NEW EP	15 42 48.0
BRW E(P)	15 43 08.1
FEB 13	
SLD E(P)	16 12 52.2
ES	13 12.5
FEB 13	
H-17 05 13.1	
43.5N 147.6E	
h ABOUT 54KM	
COL EP	17 12 53.0
NEW EP	17 15 31.0
HHM E(P)	17 15 42.4
BMO E(P)	17 15 44.0

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	17 16 00.0
EUR IP	17 16 10.9
FEB 13	
H-17 15 01.0	
16.2N 98.6W	
h ABOUT 33KM	
TUC E(P)	17 19 27.8
EL	25 42.0
ALQ EP C	17 19 33.4
EL	25 51.0
BCN EP	17 20 18.8
EUR IP	17 20 49.2
BMO EP	17 21 30.5
COL EP	17 24 57.0
FEB 13	
ALQ E(P)	18 13 58.0
E(L)	14 38.0
FEB 13	
H-18 32 20.3	
46.2N 119.8W	
h ABOUT 33KM	
BMO EPN	18 32 54.6
NEW EP	18 33 04.0
ES	33 39.0
HHM EP	18 33 27.6
I	34 42.4
EUR I(P)	18 33 56.8
FEB 13	
BOZ E(P)	18 33 19.0
E	35 20.0
FEB 13	
BUT E(P)	18 34 48.1
FEB 13	
BOZ EPN	19 17 06.5
EL	17 16.5
FEB 13	
BHP IP C	20 02 24.3
IS	02 28.7
FEB 13	
H-20 43 47.9	
51.0N 179.7W	
h ABOUT 33KM	
COL IP	20 48 36.6
NEW EP	20 51 17.0
BOZ E(P)	20 51 53.7
EUR E(P)	20 52 00.2
FEB 13	
ALQ E(P)	20 55 11.0
E(L)	55 50.0

Date and Station	Phase	(GCT)
		h m s
FEB 13		
H-20 57 34.4		
28.1S 70.6W		
h ABOUT 45KM		
EUR	EP C	21 09 37.9
	I	09 53.3
FEB 13		
TUC	E(P)	21 09 06.0
ALQ	EP	21 09 06.5
GCA	EP	21 09 31.4
	ELG	10 36.5
BCN	EP	21 09 35.3
EUR	IP	21 09 53.8
SLD	IP	21 09 59.5
FEB 13		
BOZ	E(P)	21 10 07.5
BMO	EP	21 10 18.2
HHM	E(P)	21 10 25.0
NEW	EP	21 10 30.0
FEB 13		
H-21 21 44.3		
2.3S 121.4E		
h ABOUT 33KM		
COL	E(P)	21 34 53.7
FEB 13		
BCN	(PN)	23 01 40.4
	E(L)	02 13.9
FEB 13		
H-23 14 23.5		
52.8N 34.1W		
h ABOUT 33KM		
WSC	EP	23 20 52.0
CSC	EP	23 21 40.8
	E	21 57.0
	E(S)	27 45.0
SJG	EP	23 22 16.5
	EPPP	24 32.7
	E	28 14.5
	ES	28 38.5
	ESCS	32 48.5
	ET	00 05 53.5
HHM	EP	23 23 06.0
	EPP	23 18.4
BOZ	IP D	23 23 08.0
BUT	EP	23 23 13.6
	ES	30 31.1
NEW	EP	23 23 16.0
SLC	EP	23 23 31.4
COL	EP D	23 23 32.2
	IPP	23 43.2
	I	23 55.5
	EPP	25 23.3
	IS	31 07.0
BMO	EP	23 23 33.3
	E	23 42.0
ALQ	EP	23 23 38.4
	E	23 55.0
	EPCP	24 45.0
	E(S)	31 16.0
GCA	EP	23 23 49.7
EUR	IP	23 23 55.8
BHP	IP C	23 24 05.5
	IS	32 05.8
	IL	40 53.0
TUC	E(P)	23 24 09.0
	EL	32 14.0
BCN	EP	23 24 12.7
UKI	E(P)	23 24 28.0
SLD	EP	23 24 29.0
FEB 13		
GUA	EP	23 35 14.0
HON	IP	23 38 45.7
FEB 13		
BCN	EP	23 54 13.9
FEB 13		
SJG	IP D	23 55 53.2
	IS	56 04.0
FEB 14		
H-01 08 26.5		
37.4N 116.4W		
h ABOUT 33KM		
BCN	EP	01 08 57.9
LVN	I(P)	01 08 58.0
EUR	IP	01 09 01.4
SLD	E(P)	01 09 34.5
	EL	10 28.5
FEB 14		
TUC	E(P)	01 10 32.2
ALQ	EP	01 10 46.0
	E	12 47.0
FEB 14		
H-01 36 05.4		
13.7N 96.5E		
h ABOUT 30KM		
GUA	I(P)	01 44 45.0
	IS	51 39.0
COL	IP	01 48 54.2
	ES	59 56.0
BOZ	EP'	01 54 32.0
	E	55 02.5
	EPP	55 52.0
BMO	EP'	01 54 39.5
NEW	EP'	01 54 43.0
	E	02 05 34.0
EUR	EP'	01 54 53.5
	EPP	56 15.1
	EPKKP	02 05 12.6
	E	09 04.6
BCN	EP'	01 55 02.9
	E	55 16.4
	E	56 39.9
SLD	EP'	01 55 07.3
WSC	EP'	01 55 08.5
	EPP	59 09.0
TUC	EP'	01 55 09.0
ALQ	EP'	01 55 09.1
CSC	EP'	01 55 18.0
SJG	EP'	01 55 36.5
	I	55 55.0
	EPP	58 57.0
FEB 14		
BMO	EP	01 51 09.0
FEB 14		
COL	EP	02 20 20.0
FEB 14		
PMR	EP	03 48 24.1
FEB 14		
COL	IP	04 14 02.0
FEB 14		
COL	IP	04 26 29.9
BMO	EP	04 29 30.7
EUR	EP	04 30 02.4
	I	30 13.3
FEB 14		
ADK	EP	04 45 08.6
	I	45 20.5
COL	EP	04 47 46.0
	E	48 26.2
NEW	IP	04 51 47.9
BMO	EP	04 52 01.9
EUR	EP	04 52 34.8
	E	52 46.0
FEB 14		
BOZ	EPN	05 00 58.7
	EL	01 10.3
FEB 14		
BUT	EPN	05 01 29.6
FEB 14		
H-05 02 38.8		
13.3S 171.3E		
h ABOUT 640KM		
GUA	EP	05 09 01.5
KIP	IP	05 10 06.0
ADK	IP C	05 12 23.5
UKI	E(P)	05 13 45.5
SLD	IP D	05 13 49.8
	EPP	17 03.7
COL	IP	05 14 02.3
	IS	24 34.5
BCN	EP	05 14 09.2
	E	14 28.9
	E	15 01.9
EUR	IP C	05 14 12.2
	EPP	17 35.8
	E	23 59.5
	EPKKP	32 12.9
LVN	I(P)	05 14 15.0
BMO	EP	05 14 16.5
	EPP	16 29.7
BRW	EP	05 14 19.5
TUC	IP	05 14 20.0
	EPP	16 34.9
NEW	IP	05 14 23.0
GCA	IP D	05 14 24.5
SLC	IP	05 14 28.6
	E	14 45.9
HHM	EP	05 14 32.0
	EPP	18 14.3
BUT	EP	05 14 33.6
BOZ	IP D	05 14 36.5
	EPP	18 18.5
ALQ	IP D	05 14 39.6
	E	15 36.6
	EPP	18 26.4
	E	20 14.0
PMR	I(P)	05 14 49.1
SJG	IP'	05 20 27.3
	I	20 59.3
	EPP	22 14.3
FEB 14		
COL	EP	05 23 10.0
	I	23 35.0
FEB 14		
KIP	IP C	05 25 06.0
FEB 14		
EUR	E(P)	05 36 32.5

Date and Station	Phase (GCT)
	h m s
ALQ EP	05 36 47.5
E	36 53.0
COL IP	05 37 02.2
FEB 14	
BMO E(P)	05 38 33.7
FEB 14	
BCN EP	05 42 44.9
EUR IP	05 42 45.3
FEB 14	
BOZ E(P)	06 06 34.0
FEB 14	
PMR IP D	06 10 00.4
IS	10 16.1
FEB 14	
PMR EP	06 15 13.4
ES	15 43.4
FEB 14	
H-08 12 52.3	
63.9N 151.1W	
h ABOUT 46KM	
COL IP	08 13 21.0
IS	13 39.0
PMR EP	08 13 30.9
IS	13 59.0
BMO EP	08 18 31.7
FEB 14	
BMO EP	09 34 55.6
FEB 14	
TUC E(P)	10 11 02.8
FEB 14	
PMR EP	11 37 07.7
ES	37 25.5
FEB 14	
COL EP	14 30 30.0
FEB 14	
H-14 42 26.2	
38.4N 15.1E	
h ABOUT 256KM	
COL E(P)	14 53 47.7
FEB 14	
COL EP	15 02 38.0
FEB 14	
SJG EP	16 29 55.4
IS	30 19.6
FEB 14	
SLD EP	16 56 12.0
E(S)	56 29.4
FEB 14	
H-17 37 29.1	
36.0N 69.3E	
h ABOUT 128KM	
COL E(P)	17 49 00.5

Date and Station	Phase (GCT)
	h m s
FEB 14	
H-18 13 15.8	
18.9S 173.0W	
h ABOUT 32KM	
TUC EP	18 25 15.5
EUR IP	18 25 17.2
BMO EP	18 25 29.7
ALQ EP	18 25 39.2
NEW EP	18 25 41.0
HHM EP	18 25 48.3
BOZ EP	18 25 48.5
E	26 03.8
COL IP	18 25 52.3
FEB 14	
NEW EP	19 06 22.0
FEB 14	
BCN EP	19 09 52.6
FEB 14	
ALQ EP	20 00 17.0
E(L)	00 51.0
FEB 14	
COL IP	20 21 57.0
FEB 14	
GUA IP	21 24 17.0
IS	24 39.0
NEW EP	21 36 33.0
BMO EP	21 36 36.6
FEB 14	
BOZ EPN	21 59 13.0
EL	59 22.7
FEB 14	
BCN EP	22 02 36.5
E	02 42.0
FEB 14	
H-22 02 45.9	
51.7N 178.2E	
h ABOUT 26KM	
ADK IP	22 03 35.1
IS	04 12.2
COL EP	22 07 39.0
NEW EP	22 10 25.0
BMO EP	22 10 37.5
BOZ E(P)	22 11 00.0
EUR IP	22 11 10.9
FEB 14	
BUT EPN	23 01 00.0
BOZ EPN	23 01 12.5
EL	01 24.0

Date and Station	Phase (GCT)
	h m s
FEB 14	
HHM E(P)	23 01 45.0
E	02 21.6
FEB 14	
PMR IP C	23 14 00.9
FEB 15	
PMR EP	00 23 53.2
I	24 03.9
FEB 15	
COL EP	01 41 20.0
FEB 15	
H-01 47 29.2	
34.6N 47.6E	
h ABOUT 41KM	
COL EP	01 59 37.0
I	02 02 03.1
BMO E(P)	02 01 13.3
FEB 15	
H-01 49 36.0	
19.0S 169.6E	
h ABOUT 271KM	
COL E(P)	02 02 03.1
EUR EP	02 02 09.5
FEB 15	
PMR EP	02 48 59.8
FEB 15	
BCN EPN	03 27 23.0
EL	28 12.0
FEB 15	
H-03 28 03.6	
40.1N 109.1W	
h ABOUT 5KM	
FGU I(P)	03 28 18.5
IS	28 28.8
SLC IP	03 28 42.6
IL	29 16.4
GCA EP	03 28 57.7
E	29 03.5
ILG	29 47.0
EUR IP D	03 29 27.6
EL	30 52.3
ALQ E(P)	03 29 29.0
E	29 45.6
EL	30 54.0
BOZ EP	03 29 32.5
E	29 51.2
BUT E(P)	03 29 41.1
TUC E(P)	03 29 59.0
EL	32 09.0
BMO EP	03 29 59.6
HHM EP	03 30 17.0

Date and Station	Phase (GCT)
	h m s
NEW E(P)	03 30 27.0
EL	33 14.0
FEB 15	
ALQ E(P)	03 42 54.2
E(L)	43 05.0
FEB 15	
COL EP	04 11 11.0
FEB 15	
FGU IP	04 33 36.9
I	33 45.0
IS	33 47.8
FEB 15	
EUR EP	04 40 09.7
ES	40 31.1
FEB 15	
COL E(P)	05 27 44.5
FEB 15	
H-05 40 14.3	
17.1S 66.7E	
h ABOUT 33KM	
HHM EP'	06 00 01.4
NEW EP'	06 00 03.0
BMO EP'	06 00 07.0
BOZ EP'	06 00 07.5
E	00 13.5
EUR IP'	06 00 22.2
FEB 15	
H-05 57 26.1	
20.3N 94.1E	
h ABOUT 19KM	
BRW EP	06 09 17.1
E	09 20.4
COL IP	06 09 51.0
E	20 03.0
BMO E(P)	06 11 57.5
EP'	15 50.9
HHM EP'	06 16 04.0
EUR EP'	06 16 07.0
EPP	17 02.5
BMO EP'	06 16 08.2
TUC EP'	06 16 21.0
ALQ EP'	06 16 22.0
E	18 03.5
BOZ EP'	06 16 28.0
E	16 47.5
FEB 15	
BCN IPNC	05 58 13.5
IS	58 15.0
FEB 15	
EUR IP	06 04 26.9

Date and Station	Phase	(GCT) h m s
FEB 15		
EUR	E(P)	06 26 46.5
NEW	EP	06 27 10.0
FEB 15		
BMO	EP	08 03 10.9
FEB 15		
EUR	EP	09 13 35.2
COL	E(P)	09 19 30.5
FEB 15		
H-09 18 06.5		
14.0N 93.3W		
h ABOUT 64KM		
TUC	E(P)	09 23 20.0
BOZ	E(P)	09 24 41.7
COL	E(P)	09 28 26.0
FEB 15		
BCN	IPNC	10 28 30.5
	IS	28 32.0
BMO	EP	10 30 05.0
FEB 15		
BCN	IPNC	10 58 03.0
	IS	58 04.5
FEB 15		
COL	IP	11 22 00.7
FEB 15		
KIP	IP	11 23 13.2
FEB 15		
COL	EP	11 22 28.0
FEB 15		
COL	EP	11 40 53.0
FEB 15		
EUR	IP	13 09 14.5
BMO	EP	13 09 17.5
ALQ	E(P)	13 09 24.0
	E	09 39.2
FEB 15		
BMO	EP	13 49 21.6
FEB 15		
COL	EP	14 29 36.0
FEB 15		
BMO	IP	14 39 33.0
FEB 15		
H-15 02 16.5		
39.3N 110.4W		
h ABOUT 5KM		
FGU	IP	15 02 50.3
	I	02 52.5
	IS	03 12.5
	ILG	03 16.0
GCA	IP	15 02 58.2
	ILG	03 33.0
EUR	E(P)	15 03 35.8
FEB 15		
H-15 06 59.7		
11.8S 165.7E		
h ABOUT 30KM		
EUR	E(P)	15 19 51.7
BMO	EP	15 19 58.7
FEB 15		
COL	EP	15 16 26.0
FEB 15		
H-16 11 11.5		
9.1S 71.4W		
h ABOUT 595KM		
BHP	IP	16 15 05.0
	IS	17 25.6
SJG	IP D	16 16 12.9
	IsP	18 50.8
	IS	20 10.1
	IPCP	20 21.3
	IsS	22 52.3
	ISS	23 10.8
	ISCS	25 41.8
CSC	IP	16 18 27.0
	E	19 06.0
	E	24 09.0
PHI	IP	16 19 06.4
	EpP	20 52.0
	SCP	23 38.5
CHK	EP	16 19 29.0
	ES	26 08.2
ALQ	IP D	16 19 49.0
	EpP	21 46.0
	EsP	22 50.0
	ESCP	24 44.5
	ES	26 45.0
	ESCS	28 35.0
	E	29 35.0
	EP'P'	49 31.0
TUC	IP D	16 19 54.3
	EpP	21 47.0
	ES	26 52.0
GCA	IP D	16 20 19.5
	EPCP	21 00.5
	EPP	22 17.0
	I	24 04.0
	IS	27 45.0
	P'P'	49 50.0
BCN	IP D	16 20 28.5
	E	20 47.0
	EPCP	21 00.0
	E	21 15.0
	EpP	22 23.5
	E(PP)	22 37.0
	EsP	23 14.0
	ESCP	24 32.5
	ES	28 03.0
	EP'P'	49 27.0
FGU	IP D	16 20 30.0
	IpP	22 32.0
	IS	28 02.5
	ISCS	29 23.5
	EP'P'	49 08.0
	P'P'	49 28.5
	SKPP'	51 52.0
SLC	IP	16 20 36.6
	PCP	21 11.4
	EpP	22 39.4
	ES	28 14.6
EUR	IP D	16 20 46.6
	IpP	22 45.2
	IS	28 36.5
	EP'P'	49 19.8
	SKPP'	51 47.9
BOZ	IP D	16 20 58.0
	IPCP	21 17.5
	IpP	22 55.5
	EPP	23 49.0
	EsP	24 04.0
	EpPP	25 45.0
	EPPP	26 02.7
	EsPP	27 03.0
	IS	29 03.0
	ESCS	29 25.0
	EsS	32 05.0
	ESS	33 15.0
	EP'P'	49 16.5
	EsKP'	52 10.5
SLD	IP D	16 20 59.4
	IpP	22 59.6
	IS	29 00.2
	E	30 14.5
	P'P'	49 24.4
	SKPP'	52 58.9
BUT	IP	16 21 04.6
	ES	29 01.8
BMO	IP	16 21 12.3
	EpP	23 12.0
UKI	E(P)	16 21 15.0
HHM	IP	16 21 16.4
	IPCP	21 31.4
	IpP	23 20.4
	EPP	24 17.4
	EsP	24 24.4
	EsPP	26 01.4
	ES	29 15.0
	EsS	33 15.7
	ESS	34 32.0
	EP'P'	49 19.4
	SKP'P'	51 41.0
	EpPP	25 39.4
NEW	IP	16 21 25.0
	EpP	23 27.0
	E	29 48.0
SIT	E(P)	16 22 40.5
	EpP	22 52.5
	E	24 48.6
KIP	IP D	16 23 13.2
	ISKS	32 46.4
	IS	33 17.0
HON	IP D	16 23 13.4
	IpP	25 21.8
PMR	EP	16 23 18.8
COL	IP D	16 23 20.0
	IpP	25 29.1
	ISKS	32 55.0
	IS	33 30.9
	I	34 50.0
	EPKKP	50 11.0
	EP'P.	17 09 11.5
BRW	IP D	16 23 41.6
	E	25 02.4
	EpP	25 51.8
	EPP	27 39.0
	ES	33 22.0
	ISP	35 37.5
	EPKKP	40 53.4
ADK	EP'	16 28 59.0
	E	34 04.5
GUA	EP'	16 29 41.0
	I	32 26.0
FEB 15		
HHM	E(P)	16 47 03.4
BOZ	E(P)	16 47 10.0
SJG	EP	16 48 30.3
EUR	E(P)	16 48 56.0
FEB 15		
BMO	EP	16 56 55.4
	E	57 57.3
ALQ	EP	16 57 01.5
EUR	EP	16 57 39.2
	E	59 50.7
ALQ	EP	16 59 12.8
FEB 15		
BMO	E(P)	17 00 18.5
FEB 15		
COL	IP	17 05 29.8
FEB 15		
EUR	EP	17 03 09.8
FEB 15		
BMO	E(P)	17 11 14.1
FEB 15		
EUR	EP	17 39 40.3
FEB 15		
ALQ	EP	18 21 35.6
FEB 15		
COL	EP	19 05 58.0
FEB 15		
COL	IP	19 24 15.1

Date and Station	Phase (GCT)
	h m s
FEB 15	
H-19 32 20.2	
24.6S 177.6W	
h ABOUT 65KM	
TUC EP	19 44 52.0
BCN E(P)	19 44 53.1
EUR E(P)	19 44 54.5
E	44 59.8
BMO EP	19 45 05.8
ALQ EP	19 45 12.5
E	45 19.0
NEW E(P)	19 45 21.0
BOZ E(P)	19 45 22.5
FEB 15	
ALQ EP	20 07 18.0
COL EP	20 07 41.0
FEB 15	
SJG E(P)	20 12 11.6
FEB 15	
BHP IP C	20 14 01.8
IS	14 06.1
FEB 15	
COL IP	20 20 40.9
FEB 15	
PMR EP	21 16 06.2
FEB 15	
H-21 16 19.2	
51.6N 178.5E	
h ABOUT 33KM	
ADK IP	21 17 07.0
IS	17 45.4
COL E(P)	21 21 11.7
BMO (P)	21 24 08.3
EUR IP	21 24 41.1
FEB 15	
COL EP	21 20 56.0
FEB 15	
BCN (PN)	22 25 45.1
EL	26 20.1
FEB 15	
ALQ E(P)	22 30 34.4
E	31 16.2
FEB 15	
NEW EP	22 44 01.0
FEB 15	
BCN EPN	23 59 36.8
EL	59 58.1
GCA IP	23 59 44.3
I	00 00 10.4

Date and Station	Phase (GCT)
	h m s
EUR EP	24 00 02.0
EL	00 50.0
FEB 16	
COL E(P)	01 03 02.5
FEB 16	
SJG E(P)	01 07 09.0
ELG	08 23.5
FEB 16	
COL EP	01 11 25.9
FEB 16	
H-01 19 55.6	
6.0S 154.3E	
h ABOUT 91KM	
EUR EP	01 33 03.2
FEB 16	
H-02 58 36.6	
51.1N 129.8W	
h ABOUT 33KM	
NEW EP	03 00 42.0
EL	03 20.0
BMO EP	03 01 04.4
BOZ E(P)	03 01 45.5
EUR EP	03 02 07.5
FEB 16	
BCN IPNC	05 04 19.7
IS	04 21.2
LVN IP	05 04 25.0
FEB 16	
H-05 43 11.9	
51.9N 173.2W	
h ABOUT 28KM	
ADK IP	05 43 46.0
IS	44 13.5
COL E(P)	05 47 26.0
FEB 16	
H-07 41 38.7	
62.4N 151.3W	
h ABOUT 81KM	
PMR IP D	07 42 02.0
ES	42 20.0
COL IP D	07 42 24.7
IS	42 52.5
BRW IP D	07 43 49.9
BMO IP	07 47 08.2
EpP	47 29.7
FEB 16	
H-08 15 17.1	
63.6N 18.5W	
h ABOUT 33KM	
COL EP	08 23 43.0
BMO EP	08 24 42.9

Date and Station	Phase (GCT)
	h m s
FEB 16	
H-08 22 43.8	
4.7S 155.4E	
h ABOUT 488KM	
COL IP	08 34 05.9
EUR IP	08 35 01.6
FEB 16	
PMR EP	08 32 50.0
FEB 16	
PMR EP	11 55 02.6
ES	55 20.8
COL E(P)	11 55 49.5
FEB 16	
H-13 28 22.1	
6.0N 82.6W	
h ABOUT 20KM	
BHP IP C	13 29 25.4
ES	29 34.6
SJG EP	13 32 58.5
ALQ EP	13 35 27.5
BOZ EP	13 36 53.0
BMO EP	13 37 09.0
FEB 16	
BCN EPN	15 05 18.2
ES	05 37.5
GCA EP	15 05 29.0
IS	05 55.0
EUR IP	15 05 33.7
ALQ E(P)	15 06 45.0
E	07 56.0
E	09 18.0
FEB 16	
H-15 05 54.3	
37.4N 114.2W	
h ABOUT 33KM	
TUC E(P)	15 06 17.5
EL	08 51.0
BCN IPNC	15 06 18.2
IS	06 36.2
LVN IP	15 06 20.0
E(S)	06 48.0
GCA EP	15 06 27.5
I	06 28.9
IS	06 54.3
EUR IP	15 06 32.5
SLC E(P)	15 07 03.6
IL	08 19.7
FGU IP C	15 07 14.5
ILG	08 36.3
BMO EPN	15 07 48.4

Date and Station	Phase (GCT)
	h m s
BOZ EP	15 08 02.5
EL	10 11.2
NEW EP	15 08 37.0
EL	11 41.0
FEB 16	
SLD EP	15 07 34.5
EL	08 51.5
FEB 16	
H-16 27 09.9	
37.4N 114.1W	
h ABOUT 33KM	
BCN EPN	16 27 35.2
ES	27 53.2
LVN IP	16 27 35.5
E	27 55.5
GCA IP	16 27 44.5
IS	28 10.7
EUR IP C	16 27 49.7
E(S)	28 25.0
FEB 16	
ALQ E(P)	16 29 04.5
E(L)	15 35.2
FEB 16	
H-17 01 23.3	
7.1S 123.3E	
h ABOUT 652KM	
BMO EP'	17 18 54.5
BOZ EP'	17 19 00.0
EUR IP'	17 19 00.5
FEB 16	
EUR IP	17 25 04.9
FEB 16	
H-17 38 09.2	
31.6N 116.2W	
h ABOUT 33KM	
LVN E(P)	17 39 17.0
BCN EPN	17 39 17.3
E	39 22.8
E	39 29.0
EL	40 27.8
TUC E(P)	17 39 18.3
EL	40 34.0
GCA EP	17 39 46.9
ELG	41 35.0
SLD E(P)	17 39 54.5
EL	41 24.6
EUR IP D	17 40 04.9
IL	42 07.5
ALQ E(P)	17 40 18.5
E(L)	42 52.0
BMO EP	17 41 22.3

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		h m s
BOZ	E(P)	17 41 38.5
NEW	IP	17 42 06.0
FEB 16		
H-17 52 07.1		
7.5S 156.2E		
h ABOUT 76KM		
COL	EP	18 04 25.0
BMO	EP	18 05 13.4
EUR	EP	18 05 17.1
FEB 16		
EUR	E(P)	18 00 32.6
FEB 16		
BHP	EP C	18 20 40.0
	ES	21 19.9
FEB 16		
EUR	E(P)	18 38 55.8
FEB 16		
TUC	E(P)	18 49 51.9
EUR	EP	18 50 25.2
BCN	E(P)	18 50 49.3
FEB 16		
COL	IP	19 08 45.5
FEB 16		
H-19 21 35.1		
41.3N 113.4W		
h ABOUT 14KM		
SLC	IP	19 21 58.4
	IS	22 18.4
	IL	22 32.4
EUR	IP	19 22 19.8
FGU	E(P)	19 22 25.9
	I	22 30.6
	I	23 04.6
	ILG	23 08.5
GCA	EP	19 22 45.5
	ILG	22 57.0
BMO	EPN	19 22 45.7
BOZ	E(P)	19 22 46.5
	I	22 54.5
	I	23 50.0
BCN	EPN	19 22 58.8
	E	23 15.3
	FL	24 31.3
BUT	E(P)	19 23 03.1
HHM	E(P)	19 23 24.0
	E(S)	25 11.4
NEW	EP	19 23 30.0
	E	23 50.0
	EL	25 30.0
ALQ	E(P)	19 23 42.0
	E	24 11.0
	EL	25 52.5
SLD	EL	19 25 23.7
FEB 16		
BOZ	EPN	19 28 00.0
	EL	28 12.5
FEB 16		
NEW	EP	19 29 51.0
FEB 16		
SLD	IP	19 33 53.1
	ES	34 05.5
FEB 16		
H-19 41 20.0		
31.4N 116.2W		
h ABOUT 33KM		
TUC	E(P)	19 42 29.5
BCN	EPN	19 42 30.8
	E	42 41.8
	EL	43 40.3
GCA	EP	19 43 00.5
	ELG	44 49.0
EUR	IP C	19 43 18.8
	EL	45 22.4
FEB 16		
H-19 52 12.2		
16.0N 96.9W		
h ABOUT 72KM		
TUC	EP	19 56 46.4
	E	56 56.5
ALQ	EP	19 56 48.2
	E	57 06.5
GCA	EP	19 57 29.0
BCN	EP	19 57 36.6
EUR	IP	19 58 04.5
BOZ	EP	19 58 33.5
BMO	EP	19 58 45.9
HHM	E(P)	19 59 00.0
NEW	EP	19 59 10.0
COL	EP	20 02 09.0
FEB 16		
BMO	EP	20 01 26.6
FEB 16		
ADK	IP	22 27 21.3
	IS	27 33.7
FEB 16		
EUR	E(P)	23 18 41.4
FEB 16		
EUR	IP	23 27 53.8
FEB 16		
H-23 49 06.7		
3.3N 76.0W		
h ABOUT 177KM		
BHP	IP	23 50 40.6
ALQ	EP	23 56 45.2
	E	57 42.6
TUC	E(P)	23 56 55.3
EUR	EP	23 57 53.6
BOZ	EP	23 58 00.0
BMO	EP	23 58 21.2
FEB 17		
UKI	(PN)	00 03 42.5
FEB 17		
GCA	EP	00 15 17.2
	IS	15 23.5
FEB 17		
H-00 37 41.0		
4.4N 125.4E		
h ABOUT 53KM		
GUA	E(P)	00 42 29.0
ADK	EP	00 48 31.0
KIP	IP D	00 49 25.7
BRW	IP C	00 49 56.9
PMR	IP	00 50 06.9
COL	IP D	00 50 10.2
	E	52 56.8
NEW	IP	00 51 42.7
	E	55 52.0
BMO	EP	00 51 48.1
	E	52 22.3
	E	55 13.9
EUR	IP	00 52 02.3
HHM	EP'	00 56 06.0
BOZ	EP'	00 56 07.0
	E	56 31.5
EUR	IP'	00 56 07.8
SLD	EP'	00 56 10.0
TUC	EP'	00 56 20.0
ALQ	EP'C	00 56 24.2
BCN	EP'	00 56 37.3
BHP	IP'D	00 57 31.3
SJG	EP'	00 57 35.5
	E	57 46.5
	E	57 54.5
FEB 17		
EUR	EP	01 07 27.0
FEB 17		
H-01 19 10.1		
30.9S 65.4W		
h ABOUT 186KM		
BOZ	E(P)	01 31 34.5
BMO	E(P)	01 32 26.8
FEB 17		
EUR	E(P)	01 32 05.2
FEB 17		
SLD	EP	01 32 38.6
	IS	32 53.4
FEB 17		
EUR	E(P)	01 38 30.0
FEB 17		
H-02 46 52.4		
6.7S 147.6E		
h ABOUT 67KM		
COL	EP	02 59 23.0
BMO	EP	03 00 26.0
SJG	EP'	03 06 25.0
FEB 17		
COL	EP	03 32 56.0
FEB 17		
BMO	E(P)	04 05 27.1
FEB 17		
PMR	IP	04 20 07.2
	E	20 20.3
COL	E(P)	04 20 53.6
FEB 17		
BCN	(PN)	05 51 47.2
	ES	51 48.4
FEB 17		
BMO	EP	06 37 16.6
FEB 17		
BMO	EP	07 07 53.6
FEB 17		
PMR	IP	07 20 52.6
	ES	21 12.4
FEB 17		
H-07 58 19.0		
25.5S 71.1W		
h ABOUT 14KM		
TUC	E(P)	08 09 25.1
ALQ	EP	08 09 26.0
BCN	EP	08 09 56.3
EUR	EP	08 10 14.2
BOZ	E(P)	08 10 28.0

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	h m s
BMO EP	08 10 38.6
E	10 52.2
HHM E(P)	08 10 45.2
FEB 17	
PMR IP	08 02 36.6
IS	02 45.1
BMO EP	08 07 45.5
FEB 17	
H-08 12 58.5	
31.7N 116.2W	
h ABOUT 33KM	
BCN EPN	08 14 05.3
EL	15 16.3
TUC EPN	08 14 08.0
EUR EP	08 14 53.0
EL	16 58.5
FEB 17	
LVN EP	08 14 28.0
E	15 29.0
FEB 17	
PMR EP	08 56 02.6
FEB 17	
SJG E(P)	09 00 07.5
FEB 17	
H-10 06 45.8	
28.8N 43.5W	
h ABOUT 33KM	
ALQ EP	10 16 03.4
BOZ E(P)	10 16 17.5
TUC E(P)	10 16 31.5
NEW IP	10 16 41.1
BMO EP	10 16 45.5
EUR EP	10 16 48.1
BCN EP	10 16 49.8
HON E(P)	10 19 28.0
FEB 17	
H-10 10 51.6	
23.7S 175.2W	
h ABOUT 19KM	
KIP I(P)	10 19 30.4
HON I(P)	10 19 34.8
IS	26 32.0
GUA EP	10 20 14.0
ES	27 51.0
ADK IP D	10 22 34.5
ES	32 14.4
SLD IP D	10 22 56.6
EP'P'	49 53.0
I	50 02.9
UKI E(P)	10 22 57.0
BCN IP D	10 23 14.3
EpP	23 29.3
E	24 11.1
EPP	26 20.3
EPKKP	41 44.3
EP'P'	49 41.8
LVN IP	10 23 16.0
TUC EP	10 23 16.5
ES	33 45.0
EPKKP	41 37.5
EP'P'	49 34.0
EUR IP D	10 23 20.9
E(PP)	26 52.0
E(S)	33 33.4
EPKKP	41 39.7
EP'P'	49 33.0
E	49 46.9
EP'P'	11 09 53.5
GCA IP D	10 23 28.5
EPP	26 43.5
BMO IP	10 23 33.0
E	24 20.5
SLC IP	10 23 36.1
IpP	23 43.6
I	24 13.4
SIT IP	10 23 38.0
PMR IP C	10 23 39.3
ALQ IP D	10 23 39.5
E	24 00.0
E	24 10.0
E	28 14.0
ES	34 32.0
NEW IP	10 23 43.6
E	24 00.0
FGU IP D	10 23 46.6
I	23 51.1
BOZ IP D	10 23 50.2
I	24 26.5
I	24 36.0
EPP	27 45.0
IPKKP	41 24.5
EP'P'	49 18.5
HHM IP C	10 23 51.2
EPP	27 26.7
EPKKP	41 24.2
EP'P'	49 27.0
COL IP C	10 23 54.1
EPP	27 36.5
ES	34 54.0
EPKKP	41 15.5
E	49 29.5
ESSS	44 31.0
P'P'P'	11 10 20.0
BUT E(P)	10 23 54.6
BRW EP	10 24 17.5
E	24 35.3
EPP	28 07.3
SJG IP'	10 29 30.0
EPP	30 27.0
EPS	40 00.0
EPKKP	40 14.0
ESS	46 36.0
ESSS	50 07.0
CSC EPKKP	10 40 39.0
E	11 07 10.0
FEB 17	
COL EP	12 18 47.0
FEB 17	
H-12 38 25.0	
15.6S 168.2E	
h ABOUT 22KM	
COL EP	12 51 09.0
FEB 17	
H-13 09 41.1	
14.6N 93.3W	
h ABOUT 41KM	
TUC E(P)	13 14 51.5
FEB 17	
COL EP	13 38 45.0
FEB 17	
EUR EP	15 15 16.0
EL	15 48.2
FEB 17	
EUR IP	15 32 21.8
FEB 17	
H-15 56 29.1	
16.8S 168.1E	
h ABOUT 203KM	
COL EP	16 08 58.0
FEB 17	
H-15 57 47.9	
28.9N 43.5W	
h ABOUT 33KM	
ALQ EP	16 07 05.5
BOZ E(P)	16 07 19.0
TUC E(P)	16 07 34.0
BMO EP	16 07 47.5
EUR IP	16 07 50.2
FEB 17	
BOZ E(P)	16 54 23.5
FEB 17	
BHP IP D	18 02 49.5
IS	02 54.0
FEB 17	
COL EP	18 04 00.0
FEB 17	
EUR IP	19 43 16.0
FEB 17	
PMR IP D	20 01 57.1
IS	02 15.1
FEB 17	
H-20 23 14.8	
16.8N 98.6W	
h ABOUT 25KM	
TUC EP	20 27 37.1
EpP	27 46.0
EL	33 04.5
ALQ IP C	20 27 41.6
E	27 48.5
E	33 12.0
GCA EP	20 28 23.5
E	28 29.5
BCN EP	20 28 29.3
EUR IP	20 28 58.6
BOZ EP	20 29 30.7
IpP	29 37.7
BMO EP	20 29 41.2
EpP	29 48.5
HHM E(P)	20 30 00.0
NEW EP	20 30 05.0
COL IP	20 33 08.5
FEB 17	
BMO E(P)	20 32 30.4
FEB 17	
H-21 13 56.5	
21.3S 68.6W	
h ABOUT 133KM	
BMO EP	21 25 49.2
EpP	26 23.3
FEB 17	
ALQ E(P)	21 20 45.5
E(L)	21 10.6
FEB 17	
SJG E(P)	21 51 41.3
IS	52 33.0
FEB 17	
H-21 52 10.8	
.7S 20.0W	
h ABOUT 33KM	
ALQ EP	22 04 57.8
FEB 17	
NEW EP	22 02 07.0
FEB 17	
COL EP	22 11 30.1
FEB 17	
ALQ EP	22 59 54.4
E(L)	23 00 45.5

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FEB 17		
RUT	EP	23 12 05.5
BOZ	EPN	23 12 17.5
	EL	12 27.7
HHM	E(P)	23 12 50.7
	E	13 24.2
FEB 17		
H-23 26 46.8		
15.9S 71.2W		
h ABOUT 88KM		
ALQ	E(P)	23 36 50.0
BMO	E(P)	23 38 12.9
FEB 18		
H-00 31 48.1		
28.9N 43.4W		
h ABOUT 33KM		
ALQ	EP	00 41 05.5
	E	41 11.5
BOZ	E(P)	00 41 19.5
SLC	EP	00 41 26.5
GCA	EP	00 41 32.4
TUC	E(P)	00 41 34.0
NEW	IP	00 41 42.9
EUR	IP	00 41 50.1
BCN	EP	00 41 51.3
COL	EP	00 42 58.0
FEB 18		
SJG	E(P)	00 36 20.5
	E	36 55.5
FEB 18		
BOZ	EPN	01 35 54.5
	EL	36 14.3
FEB 18		
BMO	EPN	02 14 26.5
FEB 18		
PMR	EP	02 34 18.9
COL	IP	02 34 31.8
FEB 18		
H-02 39 18.6		
5.9S 153.2E		
h ABOUT 33KM		
GUA	I(P)	02 44 02.0
	E(S)	47 40.0
COL	IP	02 51 39.2
BRW	EP	02 51 45.8
BMO	EP	02 52 32.2
NEW	EP	02 52 35.0
BOZ	E(P)	02 52 36.5
	E	52 55.6
EUR	IP	02 52 37.1
BCN	EP	02 52 40.8
HHM	EP	02 52 46.4
SJG	EP'	02 58 41.5
	IP'	58 46.5
	ISKP	03 02 21.6
FEB 18		
NEW	EP	03 19 37.0
FEB 18		
NEW	EP	03 26 32.0
FEB 18		
SJG	E(P)	03 47 15.0
	E	47 18.7
FEB 18		
BOZ	EPN	05 08 32.3
	EL	08 54.0
FEB 18		
COL	EP	05 09 07.0
EUR	E(P)	05 09 43.3
FEB 18		
COL	EP	06 20 17.0
FEB 18		
H-06 43 29.9		
6.4S 130.1E		
h ABOUT 142KM		
BRW	E(P)	06 56 19.5
COL	EP	06 56 24.0
EUR	IP'	07 01 51.6
ALQ	EP'	07 02 08.4
FEB 18		
H-07 55 45.2		
51.0N 157.5E		
h ABOUT 33KM		
COL	EP	08 02 01.0
EUR	IP	08 05 41.6
FEB 18		
SJG	EP	09 00 01.0
FEB 18		
PMR	EP	09 31 29.9
FEB 18		
ALQ	E(P)	09 49 57.0
	E(L)	50 24.5
FEB 18		
H-09 51 06.1		
57.5N 153.8W		
h ABOUT 61KM		
PMR	EP	09 52 17.2
COL	IP	09 53 00.8
BRW	E(P)	09 54 20.5
NEW	E(P)	09 56 19.0
EUR	E(P)	09 57 13.2
FEB 18		
H-10 10 51.9		
59.7N 75.9W		
h ABOUT 8KM		
HHM	E(P)	10 16 10.0
BOZ	E(P)	10 16 23.5
COL	EP	10 17 21.5
WSC	E(P)	10 21 17.6
FEB 18		
HHM	EP	10 20 45.4
BOZ	E(P)	10 21 04.7
	E	21 22.5
	EL	25 03.5
FEB 18		
NEW	EP	10 24 17.0
	I	24 45.0
FEB 18		
BOZ	E(P)	11 03 27.5
	E	03 52.0
	EL	04 25.0
FEB 18		
H-11 33 31.4		
32.4S 71.4W		
h ABOUT 71KM		
EUR	IP	11 45 48.8
BOZ	E(P)	11 46 03.5
BMO	E(P)	11 46 12.1
FEB 18		
COL	E(P)	12 00 56.5
FEB 18		
H-12 51 23.4		
19.3N 67.8W		
h ABOUT 27KM		
SJG	IP C	12 51 54.9
	IS	52 19.0
ALQ	EP	12 58 37.5
HHM	E(P)	12 59 00.0
BOZ	E(P)	12 59 34.7
EUR	IP	12 59 47.2
NEW	EP	13 00 09.0
BMO	E(P)	13 00 14.6
COL	EP	13 02 25.0
FEB 18		
COL	EP	13 06 39.0
FEB 18		
EUR	E(P)	14 21 49.0
	EL	23 27.0
FEB 18		
H-14 22 11.7		
14.5S 167.4E		
h ABOUT 188KM		
COL	E(P)	14 34 32.0
FEB 18		
BRW	E(P)	15 24 28.6
EUR	EP	15 26 19.9
FEB 18		
NEW	EP	17 20 46.0
FEB 18		
SJG	IP	17 34 05.3
	IS	34 37.0
FEB 18		
PMR	E(P)	17 35 26.3
FEB 18		
SLD	EP	17 50 01.5
	IL	50 51.6
FEB 18		
BHP	IP C	18 39 14.1
	IS	39 17.3
FEB 18		
SLD	EP	18 46 12.6
	EL	46 25.6
FEB 18		
H-18 48 56.1		
34.2N 117.3W		
h ABOUT 1KM		
BCN	EPN	18 49 40.3
	E	49 46.8
	EL	50 24.3
LVN	I(P)	18 49 49.0
	ES	50 25.0
TUC	(P)	18 50 17.0
EUR	IP	18 50 19.4
	IL	51 49.6
GCA	E(P)	18 50 21.0
	ELG	51 48.0
ALQ	E(P)	18 51 07.5
	E(L)	53 41.0
FEB 18		
ALQ	E(P)	19 10 46.0
	E(L)	11 16.5
TUC	(PN)	19 11 13.5

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	h m s
FEB 18	
H-19 21 33.9	
40.4N 109.6W	
h ABOUT 33KM	
FGU IP C	19 21 46.3
IS	21 57.5
EUR E(P)	19 22 55.9
BOZ E(P)	19 23 05.5
FEB 18	
ALQ E(P)	19 23 41.5
E(L)	24 20.2
TUC (PN)	19 23 58.0
BCN E(P)	19 24 47.3
FEB 18	
H-20 21 57.6	
22.0S 66.1W	
h ABOUT 268KM	
ALQ EP	20 32 32.5
TUC EP	20 32 35.4
EUR EP	20 33 22.3
BMO EP	20 33 45.8
FEB 18	
EUR EP	22 02 14.5
FEB 18	
BOZ EPN	23 06 02.5
EL	06 13.5
FEB 18	
BCN (PN)	23 08 21.4
E(L)	08 44.9
FEB 18	
EUR EP	23 09 13.8
FEB 18	
BCN E(P)	23 19 39.9
FEB 18	
BOZ EPN	23 37 39.5
EL	37 50.7
FEB 19	
EUR IP	00 21 16.0
FEB 19	
PMR IP	00 46 55.8
FEB 19	
EUR IP	02 38 40.0
FEB 19	
H-03 47 18.6	
30.3N 130.6E	
h ABOUT 6KM	
COL E(P)	03 57 28.5
BMO EP	03 59 46.5
EUR E(P)	04 00 17.0

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	h m s
FEB 19	
EUR EP	05 34 27.5
FEB 19	
H-06 33 04.6	
49.6N 154.2E	
h ABOUT 144KM	
BRW IP C	06 39 10.6
COL IP	06 39 31.6
BMO EP	06 42 36.2
E	45 55.7
BOZ E(P)	06 42 54.0
EUR IP	06 43 05.7
FEB 19	
COL E(P)	07 26 15.5
FEB 19	
EUR IP	07 36 41.4
FEB 19	
EUR EP	09 32 51.0
EL	33 33.0
FEB 19	
H-10 37 34.3	
.5S 131.4E	
h ABOUT 40KM	
COL E(P)	10 50 15.0
FEB 19	
COL IP	10 42 26.8
FEB 19	
BMO E(P)	11 21 15.0
FEB 19	
H-11 46 40.9	
16.2N 98.7W	
h ABOUT 33KM	
TUC EP	11 51 07.5
E(S)	56 40.0
ALQ EP C	11 51 13.2
E(S)	55 04.0
EL	57 21.0
CSC E(P)	11 51 53.0
E(S)	56 18.0
GCA EP	11 51 53.5
ELG	59 28.0
BCN EP	11 51 59.2
EL	59 29.9
LVN EP	11 52 05.0
EL	59 54.0
EUR EP	11 52 29.5
EL	12 01 11.5
SJG EP	11 52 58.5
BOZ EP	11 53 01.3
E	53 22.5
E	12 03 30.0

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	h m s
BMO IP	11 53 11.5
HHM E(P)	11 53 29.1
NEW EP	11 53 35.0
COL EP	11 56 37.0
BRW EP	11 57 17.8
FEB 19	
BMO EP	11 55 57.6
FEB 19	
EUR IP	12 01 21.8
FEB 19	
NEW EP	12 06 44.0
FEB 19	
H-12 28 13.7	
19.0N 145.0E	
h ABOUT 414KM	
GUA E(P)	12 29 42.0
BRW IP D	12 37 54.1
COL IP	12 38 00.7
NEW IP	12 39 45.5
E	40 12.0
SLD EP	12 39 48.3
BMO IP	12 39 50.7
HHM E(P)	12 39 56.3
EUR IP	12 40 04.8
BOZ EP	12 40 07.5
BCN EP	12 40 15.8
TUC EP	12 40 35.5
ALQ EP	12 40 46.1
FEB 19	
GUA E(P)	12 30 30.0
FEB 19	
COL EP	12 52 45.0
FEB 19	
EUR IP	13 11 34.5
FEB 19	
NEW EP	13 19 14.0
FEB 19	
COL EP	14 10 24.0
FEB 19	
H-14 21 53.3	
21.7S 174.9W	
h ABOUT 38KM	
TUC E(P)	14 34 08.0
EUR E(P)	14 34 12.6
E	34 17.0

Date and Station	Phase (GCT)
	h m s
BMO EP	14 34 23.4
ALQ EP C	14 34 31.2
E	34 37.0
BOZ E(P)	14 34 41.0
COL EP	14 34 44.0
FEB 19	
EUR EP	14 23 37.2
FEB 19	
COL EP	14 48 07.0
EUR EP	14 51 39.5
FEB 19	
COL E(P)	14 58 18.2
EUR IP	15 01 50.9
FEB 19	
BOZ EPN	15 41 06.5
E	41 12.0
EL	41 42.0
FEB 19	
EUR IP	15 41 42.0
FEB 19	
EUR EP	15 48 45.5
FEB 19	
BMO EP	15 54 24.7
FEB 19	
COL IP	16 02 08.8
FEB 19	
H-16 34 14.2	
1.3S 149.8E	
h ABOUT 66KM	
COL EP	16 46 16.0
BMO EP	16 47 22.6
FEB 19	
H-17 53 50.5	
21.7S 169.8E	
h ABOUT 33KM	
COL EP	18 06 57.0
BMO E(P)	18 07 03.7
FEB 19	
GCA EP	19 22 35.0
I	22 40.2
ILG	23 24.0
FEB 19	
H-19 25 29.9	
18.8S 174.2W	
h ABOUT 60KM	
BMO EP	19 37 44.5
COL EP	19 38 04.0

Date and Station	Phase	(GCT) h m s
FEB 19		
H-19 49 44.4		
25.5S 70.6W		
h ABOUT 15KM		
TUC	E(P)	20 00 52.0
EUR	IP	20 01 41.0
BOZ	EP	20 01 54.5
	EPCP	02 04.5
BMO	EP	20 02 05.8
HHM	EP	20 02 12.1
FEB 19		
H-19 58 38.3		
51.6N 174.6E		
h ABOUT 33KM		
ADK	E(P)	19 59 47.5
	ES	20 00 13.4
COL	E(P)	20 03 45.6
	E	03 56.0
	E	04 07.0
BMO	EP	20 06 47.1
BOZ	E(P)	20 07 09.3
EUR	IP	20 07 19.2
FEB 19		
H-20 08 21.1		
42.1N 83.5E		
h ABOUT 33KM		
BRW	EP	20 18 20.5
COL	IP	20 19 06.3
NEW	IP	20 21 10.9
BMO	E(P)	20 21 25.7
BOZ	EP	20 21 27.0
EUR	EP	20 21 51.6
FEB 19		
H-20 23 20.0		
45.0N 111.6W		
h ABOUT 33KM		
BOZ	IPN	20 23 32.2
	IL	23 43.5
BZM	EP	20 23 34.0
BUT	EPN	20 23 44.2
HHM	E(P)	20 24 20.0
	E	24 30.6
	EL	25 20.0
BMO	EPN	20 24 21.2
NEW	EP	20 24 35.0
	ES	25 37.0
FEB 19		
COL	EP	20 50 16.0

Date and Station	Phase	(GCT) h m s
FEB 19		
H-21 09 00.5		
24.8S 63.5W		
h ABOUT 564KM		
EUR	EP	21 20 15.6
BMO	EP	21 20 37.7
FEB 19		
H-21 29 41.3		
52.4N 169.4W		
h ABOUT 35KM		
ADK	EP	21 30 48.3
	ES	31 41.6
COL	EP	21 33 34.0
NEW	EP	21 36 15.0
BMO	E(P)	21 36 28.7
HHM	E(P)	21 36 31.1
BOZ	E(P)	21 36 53.6
FEB 19		
EUR	E(P)	21 31 03.5
	E	31 11.5
FEB 19		
BMO	E(P)	21 39 01.3
	E	39 14.4
BOZ	E(P)	21 39 14.5
FEB 19		
EUR	EP	22 06 26.3
	EL	07 16.1
FEB 19		
H-22 14 37.1		
9.1S 113.0E		
h ABOUT 94KM		
GUA	IP	22 21 54.0
	ES	22 06.0
ADK	EP	22 27 04.5
KIP	EP C	22 27 41.1
HON	IP D	22 27 41.8
BRW	IP	22 28 08.0
	EpP	28 33.6
COL	EP	22 28 22.0
	EPP	32 23.3
	ESKS	38 52.0
	ESP	41 29.0
	EPKKP	44 24.6
	I	45 14.0
NEW	EP'	22 33 23.0
	E	33 52.0
BMO	IP'	22 33 26.3
	E(PP)	35 09.5
	ESKP	36 36.0
	EsP	45 00.0

Date and Station	Phase	(GCT) h m s
SLD	EP'	22 33 26.8
	I	33 53.2
	EPP	35 09.0
	ESKKP	47 07.6
HHM	EP'	22 33 27.1
	E	33 54.1
BUT	IP'	22 33 32.5
BOZ	IP'C	22 33 32.5
	I	33 44.5
	I	33 52.5
	IPP	35 30.5
	I	35 38.5
	ESKKP	46 43.5
EUR	IP'	22 33 33.2
	IP'	33 33.1
	IPP	35 27.8
	ESKKP	46 57.2
FGU	EP'	22 33 33.5
	I	33 41.0
	ISKP	36 56.6
	IsSKP	37 35.2
ALQ	EP'	22 33 36.8
	E	33 52.0
	E	34 19.0
	ESKP	37 13.0
	E	48 19.0
BCN	EP'	22 33 37.5
	E	33 49.0
	E	34 05.5
GCA	EP'	22 33 41.0
	E	34 13.3
	EPP	35 55.0
	ISKP	36 57.8
	IsSKP	37 09.3
WSC	EP'	22 34 15.0
CSC	EP'	22 34 18.5
	E	34 46.0
	E	44 44.0
SJG	EP'	22 34 37.5
	EP'	35 59.0
	EPP	39 46.0
	E	43 42.0
	E	46 24.0
	ESS	23 00 38.0
FEB 19		
EUR	IP	22 31 03.1
FEB 19		
TUC	E(P)	22 33 25.0
	E	33 46.0
FEB 19		
COL	EP	23 14 32.0
	I	15 37.2
FEB 19		
H-23 28 25.2		
.1S 124.1E		
h ABOUT 73KM		

Date and Station	Phase	(GCT) h m s
GUA	EP	23 33 42.0
	ES	37 12.0
ADK	E(P)	23 39 41.5
HON	EP	23 40 22.0
	E	40 41.0
KIP	IP	23 40 25.9
BRW	IP	23 41 02.5
	I	41 22.1
COL	IP	23 41 13.6
NEW	EP	23 42 43.0
	E	43 02.0
	E	58 09.0
BMO	EP'	23 46 49.7
	EPKKP	57 55.8
SLD	EP'	23 46 49.8
HHM	EP'	23 46 51.1
	EPKKP	57 51.0
EUR	IP'	23 46 57.0
	EPKKP	57 53.2
FGU	IP'	23 47 04.5
	IpP'	47 25.5
TUC	EP'	23 47 08.0
	EpP'	47 29.5
ALQ	EP'C	23 47 13.8
	EpP'	47 35.0
	ESKP	50 43.0
	E	57 14.0
WSC	EP'	23 47 40.0
	EPP	51 08.5
CSC	EP'	23 47 45.6
	EpP'	48 07.0
FEB 19		
BMO	EP	23 42 31.9
EUR	IP	23 43 19.2
FEB 19		
NEW	EP	23 44 43.0
FEB 19		
NEW	EP	23 46 12.0
FEB 20		
H-00 35 22.6		
41.3N 140.0E		
h ABOUT 169KM		
COL	IP	00 43 31.3
NEW	IP	00 46 03.7
BMO	IP	00 46 16.7
BOZ	EP	00 46 31.5
EUR	IP	00 46 41.8
ALQ	EP	00 47 29.9

Date and Station	Phase (GCT)
	h m s
FEB 20	
ADK IP	01 22 00.8
IS	22 12.2
FEB 20	
BMO EP	03 25 42.2
COL EP	03 25 44.0
FEB 20	
COL E(P)	04 43 48.0
EUR EP	04 47 24.5
FEB 20	
TUC E(P)	06 12 38.0
E	13 22.0
FEB 20	
NEW EP	06 43 11.0
FEB 20	
H-06 48 08.6	
15.4N 91.8W	
h ABOUT 107KM	
EUR E(P)	06 54 25.5
FEB 20	
MID EP	06 50 33.1
FEB 20	
H-08 47 46.2	
2.7N 128.1E	
h ABOUT 80KM	
COL E(P)	09 00 13.0
FEB 20	
H-09 11 36.3	
34.8N 25.0E	
h ABOUT 40KM	
COL E(P)	09 23 45.5
BMO EP	09 24 49.0
FEB 20	
PMR EP	09 36 17.5
MID IP	09 36 50.9
COL EP	09 36 54.0
FEB 20	
H-09 48 09.3	
9.2N 125.5E	
h ABOUT 53KM	
BRW E(P)	10 00 03.2
COL EP	10 00 16.0
BMO E(P)	10 01 53.4
EUR EP'	10 06 34.0
FEB 20	
PMR FP	10 02 23.3
COL EP	10 02 56.0
I	03 04.5

Date and Station	Phase (GCT)
	h m s
MID IP	10 02 57.0
ES	03 12.8
BMO EP	10 06 29.1
FEB 20	
MID IP	10 31 27.0
COL EP	10 31 31.0
E	31 34.0
FEB 20	
H-11 00 08.6	
3.3N 77.5W	
h ABOUT 83KM	
ALQ IP	11 07 49.0
TUC E(P)	11 07 57.5
EUR IP	11 08 57.6
BOZ EP	11 09 08.5
BMO EP	11 09 25.8
HHM E(P)	11 09 31.0
NEW EP	11 09 41.0
FEB 20	
BMO E(P)	12 09 02.7
FEB 20	
H-12 14 35.5	
29.1N 129.4E	
h ABOUT 36KM	
BRW EP	12 24 22.5
COL EP	12 24 47.0
NEW EP	12 26 57.0
HHM EP	12 27 07.0
BMO EP	12 27 07.3
E	29 15.0
EUR IP	12 27 31.2
FEB 20	
GUA E(P)	12 23 22.0
FEB 20	
NEW EP	12 35 17.0
FEB 20	
EUR EP	13 19 16.6
FEB 20	
BMO EP	13 29 49.2
FEB 20	
NEW EP	13 33 05.0
FEB 20	
H-14 23 48.2	
33.7N 75.5E	
h ABOUT 34KM	
COL EP	14 35 34.0

Date and Station	Phase (GCT)
	h m s
FEB 20	
EUR EP	14 48 31.0
FEB 20	
H-15 18 38.8	
33.7N 75.3E	
h ABOUT 18KM	
BRW IP C	15 29 44.4
COL IP	15 30 27.4
PMR E(P)	15 30 39.8
NEW EP	15 32 14.0
HHM E(P)	15 32 15.4
BMO E(P)	15 32 26.2
BOZ EP	15 32 28.5
EPP	36 31.5
EUR E(P)	15 32 59.1
EPP	37 17.7
FEB 20	
EUR EP	15 23 08.4
EL	23 49.9
FEB 20	
NEW EP	15 36 09.0
ALQ E(P)	15 38 00.5
FEB 20	
EUR IP	15 48 24.5
FEB 20	
PMR IP D	16 08 52.4
FEB 20	
H-16 33 46.5	
5.3S 68.5E	
h ABOUT 16KM	
BOZ EP'	16 53 13.5
SLD EP'	16 53 25.1
EUR IP'	16 53 27.8
ALQ EP'	16 53 38.0
FEB 20	
COL EP	16 35 54.0
FEB 20	
EUR E(P)	16 56 00.7
FEB 20	
BOZ E(P)	17 03 11.5
FEB 20	
SJG IP	17 42 04.2
IS	42 14.0
FEB 20	
H-18 01 33.7	
15.2S 167.4E	
h ABOUT 79KM	
EUR E(P)	18 14 25.0

Date and Station	Phase (GCT)
	h m s
FEB 20	
NEW EP	18 42 44.0
FEB 20	
NEW EP	19 08 20.0
BOZ E(P)	19 08 27.6
E	08 34.0
BMO E(P)	19 08 28.2
FEB 20	
H-19 15 49.5	
9.0S 152.9E	
h ABOUT 29KM	
COL EP	19 28 26.0
BRW E(P)	19 28 32.2
FEB 20	
SLD EP	19 46 16.5
ES	46 29.8
FEB 20	
ALQ E(P)	19 59 24.0
FEB 20	
H-19 59 54.8	
4.3S 152.4E	
h ABOUT 91KM	
COL E(P)	20 12 04.7
FEB 20	
ALQ EP	20 37 16.0
E	37 50.5
FEB 20	
COL EP	21 11 47.0
BMO EP	21 14 48.8
EUR IP	21 15 21.2
FEB 20	
ALQ E(P)	22 29 24.5
E(L)	29 46.0
FEB 20	
H-22 41 42.4	
11.8S 166.4E	
h ABOUT 7KM	
COL EP	22 54 14.0
EUR IP	22 54 36.2
BMO EP	22 54 38.4
E	55 02.5
FEB 20	
EUR EP	22 50 33.0
BRW E(P)	22 54 43.6
FEB 20	
NEW EP	22 55 07.0
FEB 20	
H-23 03 39.2	
11.9S 166.2E	
h ABOUT 41KM	

Date and Station	Phase	(GCT)
		h m s
COL	EP	23 16 04.0
FEB 20		
BMO	EP	23 12 11.5
FEB 20		
BCN	EPN	23 28 49.5
	ES	28 53.0
FEB 20		
ALQ	EP	23 32 48.1
FEB 21		
BCN	E(P)	00 04 43.8
GCA	EP	00 04 51.5
	ES	05 15.6
EUR	IP	00 05 08.9
FEB 21		
H-00 24 55.9		
60.1N 152.4W		
h ABOUT 114KM		
PMR	IP D	00 25 32.2
	IS	25 58.9
COL	IP	00 26 13.3
FEB 21		
H-04 16 21.7		
19.1N 67.9W		
h ABOUT 49KM		
SJG	IP D	04 16 52.5
	IS	17 19.0
	IL	17 31.0
	ISCS	31 47.0
BHP	IP C	04 19 50.7
	IS	20 25.9
CSC	EP	04 20 40.0
WSC	EP	04 21 07.5
	E(S)	24 42.5
ALQ	EP C	04 23 33.6
TUC	EP	04 23 59.2
SLC	EP	04 24 19.3
	EpP	24 34.3
	EsP	24 44.8
BCN	EP	04 24 31.0
	E	24 42.5
BOZ	EP	04 24 31.3
BUT	EP	04 24 38.0
EUR	EP	04 24 41.9
	EPP	26 24.3
	E	30 11.5
HHM	EP	04 24 50.7
BMO	EP	04 24 58.2
NEW	IP	04 25 05.2
COL	EP	04 27 20.0
FEB 21		
SJG	I(P)	04 20 43.0
	IS	21 10.5
CSC	E(P)	04 23 43.0
FEB 21		
SJG	IP	04 25 01.0
	IS	25 27.0
FEB 21		
EUR	EP	04 30 11.0
FEB 21		
H-04 50 59.8		
35.4S 69.9W		
h ABOUT 150KM		
EUR	E(P)	05 03 24.2
FEB 21		
TUC	EP	05 48 36.4
BMO	E(P)	05 48 46.6
FEB 21		
H-06 29 39.3		
19.3N 67.9W		
h ABOUT 29KM		
SJG	IP	06 30 12.5
	IS	30 39.5
FEB 21		
SJG	IP	06 54 30.5
	IS	54 53.7
FEB 21		
EUR	IP	08 09 51.6
FEB 21		
BHP	EP	08 22 05.4
	IS	22 50.5
FEB 21		
EUR	E(P)	08 40 56.5
FEB 21		
H-09 11 54.1		
14.2N 146.4E		
h ABOUT 58KM		
GUA	IP	09 12 22.0
	ES	12 42.0
COL	EP	09 22 42.0
SLD	EP	09 24 18.0
NEW	IP	09 24 18.3
	IpP	24 36.0
BMO	EP	09 24 21.8
	EpP	24 39.7
HHM	EP	09 24 29.2
	E	24 41.7
EUR	IP	09 24 34.8
BOZ	EP	09 24 39.5
BCN	EP	09 24 44.0
TUC	EP	09 25 04.0
FEB 21		
NEW	EP	09 55 24.0
FEB 21		
SLD	EP	10 25 28.5
	IL	25 56.5
FEB 21		
SLD	E(P)	11 03 31.6
	ES	03 46.5
FEB 21		
SJG	EP	11 08 07.0
	IS	08 32.5
FEB 21		
NEW	EP	11 22 04.0
FEB 21		
COL	E(P)	11 41 02.5
FEB 21		
BZM	E(P)	11 48 35.0
BOZ	EPN	11 48 36.5
	EL	48 49.3
FEB 21		
COL	EP	11 51 36.0
FEB 21		
BUT	EPN	11 49 12.0
HHM	E(P)	11 49 36.6
FEB 21		
EUR	IP	12 30 24.2
FEB 21		
H-12 37 46.1		
33.7N 75.4E		
h ABOUT 41KM		
COL	IP	12 49 31.2
FEB 21		
SJG	IP	12 44 08.5
	IS	44 35.0
FEB 21		
BMO	E(P)	12 55 31.0
FEB 21		
COL	EP	13 37 50.0
FEB 21		
H-14 04 34.4		
5.1S 151.6E		
h ABOUT 90KM		
GUA	IP	14 09 00.0
COL	E(P)	14 16 46.5
EUR	EP	14 17 50.2
FEB 21		
H-14 58 55.2		
46.2N 152.6E		
h ABOUT 98KM		
COL	E(P)	15 05 53.4
FEB 21		
H-15 10 26.6		
31.7N 49.1E		
h ABOUT 65KM		
COL	EP	15 22 46.0
FEB 21		
BMO	EP	15 13 38.2
COL	EP	15 13 49.0
FEB 21		
BOZ	E(P)	15 42 02.0
	E	42 07.0
	E	42 22.0
FEB 21		
EUR	IP	16 19 53.0
FEB 21		
SJG	IP D	16 51 16.5
	IS	51 26.0
FEB 21		
H-17 20 57.5		
56.6S 26.0W		
h ABOUT 33KM		
COL	EP'	17 40 47.0
FEB 21		
H-18 42 06.8		
1.5N 127.2E		
h ABOUT 120KM		
BRW	IP	18 54 25.7
BOZ	EP'	19 00 21.3
ALQ	EP'	19 00 42.8
FEB 21		
SLD	EP	19 26 43.1
	ES	26 55.8
FEB 21		
H-19 37 22.8		
11.3S 166.8E		
h ABOUT 66KM		
COL	IP	19 49 42.7
FEB 21		
COL	E(P)	19 42 45.0
FEB 21		
ADK	IP	19 59 30.3
	IS	59 41.7
FEB 21		
EUR	IP	20 27 17.2
FEB 21		
H-20 45 48.7		
33.8N 117.7W		
h ABOUT 1KM		
BCN	EPN	20 46 39.5
	E	46 47.5
	EL	47 29.6
SLD	E(P)	20 46 54.3
	EL	47 43.0

Date and Station	Phase (GCT)
	h m s
EUR IP	20 47 17.8
FEB 21	
PMR IP	21 02 04.3
FEB 21	
ALQ EP	21 05 31.6
E(L)	06 06.2
FEB 21	
EUR E(P)	21 14 46.3
FEB 21	
BOZ E(P)	21 24 59.5
FEB 21	
ALQ E(P)	21 47 37.0
E(L)	48 12.8
FEB 21	
GUA EP	22 21 54.0
FEB 22	
H-03 35 22.0	
49.9N 179.9W	
h ABOUT 33KM	
ADK IP	03 36 06.6
IS	36 43.4
COL E(P)	03 40 19.5
BOZ E(P)	03 43 32.5
EUR EP	03 43 38.6
EpP	43 48.0
FEB 22	
H-03 51 15.1	
36.7S 97.3W	
h ABOUT 33KM	
SJG EP	04 01 30.3
TUC E(P)	04 02 23.6
ALQ E(P)	04 02 35.5
EUR IP	04 03 10.8
BOZ E(P)	04 03 38.6
HHM E(P)	04 03 53.5
NEW IP	04 03 56.1
FEB 22	
BMO EP	04 03 11.4
FEB 22	
BRW EP	05 17 02.9
E(S)	17 48.4
COL EP	05 17 23.5
FEB 22	
PMR E(P)	08 28 22.8
FEB 22	
H-08 47 02.0	
35.1N 140.2E	
h ABOUT 34KM	
COL EP	08 56 04.0
NEW IP	08 58 25.8
HHM EP	08 58 36.0
BOZ EP	08 58 52.3
EUR IP	08 58 58.9
FEB 22	
EUR E(P)	09 38 47.0
FEB 22	
COL EP	09 56 17.0
NEW EP	09 59 15.0
EUR IP	09 59 48.2
FEB 22	
EUR EP	10 07 37.5
FEB 22	
PMR IP	11 39 51.6
FEB 22	
EUR EP	11 54 39.0
FEB 22	
BOZ E(P)	12 23 47.0
EUR IP	12 25 28.0
FEB 22	
NEW EP	12 27 10.0
FEB 22	
FGU EPG	12 40 29.4
ILG	41 03.9
EUR IP	12 40 42.5
FEB 22	
COL EP	13 40 20.0
BMO E(P)	13 43 37.5
EUR EP	13 44 11.8
FEB 22	
H-13 54 32.7	
11.7S 166.4E	
h ABOUT 65KM	
COL EP	14 06 54.0
EUR EP	14 07 18.1
EpP	07 35.0
I	10 01.1
BMO EP	14 07 19.8
E(pP)	07 37.8
NEW EP	14 07 26.0
TUC E(P)	14 07 29.6
BOZ E(P)	14 07 37.0
FEB 22	
SLD EP	14 07 12.3
BRW E(P)	14 07 25.5
BCN EP	14 07 34.6
FEB 22	
H-14 50 33.6	
48.3N 155.0E	
h ABOUT 45KM	
BRW EP	14 56 56.0
COL IP	14 57 16.7
BMO EP	15 00 18.2
BOZ E(P)	15 00 35.0
EUR IP	15 00 47.8
FEB 22	
EUR IP	16 26 02.8
FEB 22	
COL EP	16 48 11.0
FEB 22	
H-17 35 59.1	
52.6N 169.4W	
h ABOUT 33KM	
ADK EP	17 37 05.5
ES	37 55.0
EUR EP	17 43 19.9
FEB 22	
BUT EP	18 15 45.6
BOZ EPN	18 16 00.0
EL	16 11.7
FEB 22	
HHM E(P)	18 16 30.5
E	17 08.0
FEB 22	
H-18 26 46.1	
19.5S 169.1E	
h ABOUT 83KM	
GUA EP	18 34 20.0
ES	40 25.0
UKI E(P)	18 39 20.0
SLD IP C	18 39 22.3
EpP	39 44.9
COL IP	18 39 37.4
BCN EP	18 39 41.6
E	39 55.1
E	40 18.2
EUR IP D	18 39 43.2
I	40 07.0
TUC EP	18 39 49.0
EpP	40 10.5
E	40 29.4
BMO EP	18 39 49.3
EpP	40 11.8
BRW IP	18 39 52.8
EpP	40 14.4
NEW EP	18 39 57.0
EpP	40 21.0
HHM E(P)	18 40 05.0
BOZ E(P)	18 40 07.6
E	40 30.5
ALQ EP	18 40 10.0
E	43 04.0
HON E	18 43 12.0
SJG EP'	18 46 06.5
FEB 22	
BOZ EPN	19 03 44.7
EL	03 55.0
HHM E(P)	19 04 17.5
E	04 52.0
FEB 22	
SJG EP	20 40 19.0
FEB 22	
PMR EP	21 02 41.4
IS	03 03.6
COL IP	21 02 49.2
FEB 22	
PMR IP	21 14 03.5
FEB 22	
SJG EP	21 40 15.5
IS	40 40.0
FEB 22	
EUR E(P)	21 58 46.4
EL	59 31.5
FEB 22	
ALQ E(P)	22 03 17.4
E(L)	03 52.0
FEB 22	
H-23 27 58.7	
58.0S 25.3W	
h ABOUT 43KM	
TUC EP'	23 46 34.0
EUR IP'D'	23 46 52.0
SLD IP'D	23 46 53.5
BOZ EP'	23 46 54.5
BMO IP'	23 46 59.4
NEW EP'	23 47 03.0
COL IP'	23 47 49.4
I	48 00.7
FEB 22	
HHM EP	23 46 01.5
PMR EP	23 46 49.2
BRW EP	23 48 13.9
E	48 27.6

Date and Station	Phase	(GCT) h m s
FEB 22		
NEW	EP	23 50 22.0
FEB 22		
EUR	EP	23 56 44.1
FEB 23		
PMR	E(P)	00 45 09.1
FEB 23		
NEW	EP	03 01 02.0
FEB 23		
H-03 38 38.1		
39.0N 29.2W		
h ABOUT 33KM		
NEW	EP	03 48 50.0
FEB 23		
H-04 53 24.7		
4.9S 152.3E		
h ABOUT 64KM		
COL	IP	05 05 39.0
BMO	EP	05 06 35.8
	EPP	06 52.5
EUR	EP	05 06 40.2
BOZ	E(P)	05 06 53.7
	E	07 06.5
FEB 23		
H-05 10 54.6		
5.6N 73.5W		
h ABOUT 171KM		
BHP	EP C	05 12 31.0
ALQ	E(P)	05 18 33.0
TUC	E(P)	05 18 45.0
EUR	EP	05 19 41.0
FEB 23		
H-05 58 28.8		
21.6S 174.5W		
h ABOUT 21KM		
TUC	E(P)	06 10 44.0
EUR	IP	06 10 47.4
BMO	EP	06 10 59.0
ALQ	EP	06 11 07.0
BOZ	E(P)	06 11 17.3
COL	EP	06 11 20.0
FEB 23		
H-06 17 45.7		
23.0S 176.1W		
h ABOUT 70KM		
TUC	E(P)	06 30 06.0
EUR	EP	06 30 08.7
BMO	E(P)	06 30 20.5
BOZ	E(P)	06 30 38.5
COL	EP	06 30 39.0
FEB 23		
SLD	E(P)	07 26 40.3
FEB 23		
BMO	IP	11 28 09.6
FEB 23		
NEW	EP	14 06 01.0
FEB 23		
NEW	EP	14 10 29.0
FEB 23		
NEW	EP	14 16 01.0
FEB 23		
H-14 25 45.9		
24.3N 122.5E		
h ABOUT 65KM		
COL	EP	14 36 40.0
NEW	IP	14 38 41.9
HHM	IP	14 38 50.0
BMO	IP	14 38 51.1
BOZ	EP	14 39 02.5
	E	39 13.5
EUR	IP	14 39 09.8
FEB 23		
H-14 51 53.5		
41.4S 87.6W		
h ABOUT 33KM		
TUC	EP	15 03 40.0
ALQ	EP D	15 03 49.2
EUR	IP	15 04 24.2
BOZ	E(P)	15 04 46.7
FEB 23		
PMR	EP	16 43 35.9
	ES	43 52.4
FEB 23		
EUR	EP	17 10 57.5
FEB 23		
TUC	E(P)	17 37 35.0
	E	38 28.5
FEB 23		
BMO	EP	18 12 43.4
FEB 23		
EUR	E(P)	18 17 12.0
FEB 23		
EUR	EP	18 25 02.5
FEB 23		
H-18 34 00.0		
37.0N 116.0W		
h ABOUT 0KM		
BCN	IPNC	18 34 26.7
EUR	IP	18 34 41.5
GCA	EP	18 34 57.5
	ELG	35 51.0
SLD	E(P)	18 35 13.8
	I	35 18.3
	IL	36 11.5
SLC	E(P)	18 35 24.7
TUC	E(P)	18 35 35.0
	E	37 23.5
BMO	EPN	18 36 01.4
FEB 23		
ALQ	EP	18 36 28.8
FEB 23		
BCN	EP	18 40 57.7
EUR	IP	18 41 13.5
GCA	EPG	18 41 36.5
	ELG	42 30.0
SLD	E(P)	18 41 49.8
	EL	42 48.7
BMO	EP	18 42 57.8
FEB 23		
ALQ	E(P)	18 42 57.0
FEB 23		
H-18 50 00.0		
37.1N 116.1W		
h ABOUT 0KM		
BCN	IPNC	18 50 27.7
EUR	IP	18 50 39.9
GCA	IP C	18 50 57.5
	I	51 06.3
	ILG	52 52.5
SLD	EP C	18 51 04.4
	I	51 08.2
	I	51 14.5
	IL	52 10.3
SLC	IP	18 51 16.7
	IL	52 43.4
UKI	E(P)	18 51 32.0
TUC	IP	18 51 37.0
	EL	53 34.0
FGU	IP C	18 51 40.0
BMO	EPN	18 51 56.8
ALQ	IP	18 51 59.4
	E	52 30.0
	EL	54 16.0
BOZ	IP C	18 52 17.3
BUT	EP	18 52 18.2
NEW	IP	18 52 43.8
HHM	IP	18 52 47.1
PMR	IP	18 56 29.8
COL	IP	18 56 42.1
	I	56 50.2
	I	57 00.3
KIP	IP D	18 57 34.4
HON	IP	18 57 34.7
BRW	IP	18 57 38.5
SJG	IP	18 58 38.5
	I	58 58.0
	IPCP	19 00 07.5
FEB 23		
BHP	IP C	19 18 29.8
	IS	18 34.4
FEB 23		
COL	EP	19 56 34.0
BCN	E(P)	19 58 42.2
FEB 23		
BCN	EPN	20 21 34.6
	E(S)	21 39.7
FEB 23		
UKI	E(P)	20 30 42.5
BMO	EP	20 31 58.2
	E	32 16.2
FEB 23		
H-20 38 55.6		
26.1N 128.5E		
h ABOUT 24KM		
GUA	IP	20 43 27.0
	ES	47 17.0
BRW	IP	20 49 10.7
	E	49 18.3
COL	IP	20 49 28.4
NEW	IP	20 51 33.6
HHM	EP	20 51 42.5
BMO	EP	20 51 43.0
BOZ	EP	20 51 55.7
	E	52 17.5
SLD	E(P)	20 52 01.5
FEB 23		
H-21 11 33.1		
37.1N 116.1W		
h ABOUT 0KM		
BCN	E(P)	21 11 58.8
GCA	E(P)	21 12 34.3
	ELG	13 29.0

Date and Station	Phase (GCT)
	h m s
SLD E(P)	21 12 47.9
I	12 52.5
IL	13 47.0
SLC EP	21 12 55.9
TUC E(P)	21 13 10.0
EL	15 04.0
BMO EPN	21 13 35.8
ALQ EP	21 13 36.5
E	14 06.0
EL	15 52.0
BOZ E(P)	21 13 56.5
E	14 33.7
NEW EP	21 14 22.0
EL	17 38.0
HHM E(P)	21 14 25.4
FEB 23	
BCN EPN	21 20 18.2
EL	20 56.3
FEB 23	
BOZ EPN	21 30 42.5
EL	30 50.0
FEB 23	
ALQ E(P)	22 07 19.0
E(L)	07 57.0
FEB 23	
ALQ E(P)	22 28 30.6
E(L)	29 10.6
FEB 23	
COL EP	22 41 33.0
FEB 23	
BUT E(P)	22 52 33.0
BOZ EPN	22 52 45.6
EL	52 56.0
BZM E(P)	22 52 55.2
FEB 23	
HHM EPN	22 53 18.3
EL	53 57.8
FEB 23	
BOZ E(P)	23 04 51.6
FEB 23	
BOZ E(P)	23 07 23.5
E	07 36.5
TUC E(P)	23 09 14.0
FEB 23	
BMO EP	23 41 56.2
E	43 00.5
BOZ E(P)	23 42 00.0
FEB 24	
H-00 17 39.7	
33.6N 75.4E	
h ABOUT 39KM	

Date and Station	Phase (GCT)
	h m s
HHM E(P)	00 31 11.5
BOZ E(P)	00 31 35.0
FEB 24	
H-00 23 52.3	
51.8N 176.9W	
h ABOUT 119KM	
ADK IP	00 24 09.0
IS	24 19.0
COL EP	00 28 16.0
NEW IP	00 30 56.5
BMO EP	00 31 09.6
FEB 24	
BMO EP	02 28 30.5
FEB 24	
COL EP	02 47 37.0
FEB 24	
COL EP	03 14 48.0
FEB 24	
COL IP	04 38 55.8
FEB 24	
NEW EP	04 51 04.0
FEB 24	
H-05 14 08.1	
23.8S 175.5W	
h ABOUT 33KM	
BOZ E(P)	05 27 06.5
E	27 13.6
COL EP	05 27 08.0
FEB 24	
BMO E(P)	06 54 57.9
FEB 24	
H-07 05 37.9	
37.2N 71.8E	
h ABOUT 220KM	
COL EP	07 16 49.0
FEB 24	
H-07 08 32.3	
23.9S 175.4W	
h ABOUT 33KM	
BOZ E(P)	07 21 30.0
FEB 24	
H-07 31 47.9	
2.3N 76.3W	
h ABOUT 87KM	
ALQ EP	07 39 40.5
BOZ E(P)	07 40 58.5
FEB 24	
FGU IP	07 33 36.8
E	33 03.2
ILG	33 06.0

Date and Station	Phase (GCT)
	h m s
FEB 24	
H-09 10 27.5	
18.5N 94.4W	
h ABOUT 33KM	
ALQ EP	09 14 56.5
TUC EP	09 15 01.7
E	15 06.0
BOZ E(P)	09 16 40.0
BMO EP	09 16 56.8
E	17 10.6
FEB 24	
H-09 16 41.8	
13.4N 90.1W	
h ABOUT 135KM	
BOZ E(P)	09 23 39.5
FEB 24	
BCN EP	09 30 51.8
FEB 24	
BCN E(P)	10 17 56.8
SLD E(P)	10 18 18.3
EL	19 00.7
COL E(P)	10 20 34.3
FEB 24	
H-10 42 41.0	
7.1S 123.8E	
h ABOUT 554KM	
COL EP	10 55 07.0
BMO IP'	11 00 20.7
HHM EP'	11 00 22.7
BOZ EP'	11 00 28.3
BCN EP'	11 00 30.3
TUC EP'	11 00 38.0
ALQ EP'	11 00 44.2
FEB 24	
PMR EP	11 46 14.7
IS	46 23.7
FEB 24	
COL IP	12 08 02.1
FEB 24	
COL EP	12 35 44.0
FEB 24	
PMR IP	12 45 51.9
IS	45 57.5
FEB 24	
NEW EP	12 58 27.0
FEB 24	
PMR IP D	14 04 07.8
IS	04 12.8

Date and Station	Phase (GCT)
	h m s
FEB 24	
PMR IP	15 07 54.5
FEB 24	
BMO E(P)	15 33 31.3
FEB 24	
COL EP	16 15 06.0
FEB 24	
PMR EP	16 35 57.5
IS	36 28.5
FEB 24	
TUC E(P)	16 55 46.0
BMO E(P)	16 55 53.5
FEB 24	
BUT EPN	17 06 05.7
BOZ IPN	17 06 19.0
IL	06 29.3
BZM E(P)	17 06 27.3
FEB 24	
HHM EPN	17 06 49.0
EL	07 27.2
FEB 24	
NEW EP	17 08 08.0
FEB 24	
FGU IP	17 14 21.0
ILG	14 50.0
FEB 24	
COL IP	17 21 20.9
FEB 24	
BOZ EPN	17 53 04.5
EL	53 15.5
FEB 24	
H-18 18 10.5	
60.3N 153.7W	
h ABOUT 166KM	
PMR IP C	18 18 52.9
IS	19 23.1
COL IP	18 19 30.2
NEW EP	18 23 13.0
BMO EP	18 23 34.7
EPP	24 09.6
BOZ E(P)	18 23 53.0
EUR E(P)	18 24 18.0
FEB 24	
HHM E(P)	18 30 14.5
BMO E(P)	18 30 16.7
EUR IP	18 30 33.0
FEB 24	
BOZ EPN	19 09 21.2
EL	09 32.2

Date and Station	Phase	(GCT) h m s
FEB 24		
COL	EP	19 17 05.0
FEB 24		
COL	EP	19 24 13.0
FEB 24		
SLD	IP	19 28 28.7
	IS	28 40.5
FEB 24		
COL	IP	20 03 12.5
FEB 24		
COL	EP	20 08 42.0
FEB 24		
BMO	EP	20 42 30.8
COL	IP	20 43 22.1
FEB 24		
COL	IP	21 22 13.9
FEB 24		
PMR	IP	21 29 24.2
FEB 24		
UKI	E(P)	22 40 51.5
FEB 24		
COL	EP	23 00 33.0
FEB 24		
BUT	EPN	23 10 15.7
BOZ	EPN	23 10 28.3
	EL	10 39.5
FEB 25		
H-00 18 39.1		
43.7N 139.2E		
h ABOUT 244KM		
COL	EP	00 26 27.0
BMO	EP	00 29 18.8
BOZ	E(P)	00 29 32.7
FEB 25		
H-02 00 32.9		
36.9N 121.6W		
h ABOUT 2KM		
SLD	I(P)	02 00 40.6
	IS	00 46.4
FEB 25		
EUR	IP	02 02 12.5
FEB 25		
SJG	EP	03 08 28.0
	IS	08 59.5
FEB 25		
PMR	IP D	04 59 57.1
FEB 25		
H-05 41 15.3		
10.3S 161.5E		
h ABOUT 75KM		
COL	IP	05 53 37.2
	EPP	53 55.0
BMO	EP	05 54 12.8
	EPP	54 32.4
EUR	IP D	05 54 12.9
	IPP	54 32.3
NEW	EP	05 54 14.0
FEB 25		
PMR	EP	06 42 00.6
MID	IP	06 42 18.6
BMO	E(P)	06 46 26.1
FEB 25		
H-06 48 30.0		
25.1N 122.7E		
h ABOUT 18KM		
BMO	E(P)	07 01 43.0
FEB 25		
PMR	EP	07 11 06.8
	IS	11 25.7
FEB 25		
H-07 20 21.4		
39.0N 118.1W		
h ABOUT 33KM		
EUR	EP	07 20 48.6
	IL	21 59.6
BCN	I(P)	07 21 33.4
	EL	22 30.4
FEB 25		
LVN	EP	07 21 35.0
	E(S)	22 24.0
FEB 25		
BRW	EP	08 03 09.6
FEB 25		
BRW	E(P)	09 05 50.2
FEB 25		
BRW	E(P)	10 06 19.5
FEB 25		
PMR	EP	10 45 01.8
FEB 25		
SJG	IP	11 11 49.9
	IS	12 33.5
FEB 25		
H-11 17 41.2		
29.1S 68.9W		
h ABOUT 110KM		
BMO	EP	11 30 09.7
FEB 25		
H-11 20 50.1		
.0S 123.9E		
h ABOUT 92KM		
GUA	IP	11 26 05.0
	ES	30 13.0
KIP	EP	11 32 47.8
HON	IP	11 32 48.1
BRW	IP C	11 33 25.8
	I	33 53.0
PMR	IP	11 33 33.7
COL	EP	11 33 36.0
	E	37 13.0
NEW	IP	11 35 06.9
	E	39 12.0
	E	50 30.0
BMO	EP'	11 39 13.3
	E	39 53.6
	E	50 15.9
SLD	EP'	11 39 14.3
HHM	EP'	11 39 14.8
	EPKKP	50 13.0
BOZ	IP'C	11 39 20.5
	EPKKP	50 11.7
SLC	EP'	11 39 23.8
BCN	EP'	11 39 24.9
GCA	EP'	11 39 27.5
TUC	EP'	11 39 31.9
	EPP	40 52.1
	EPKKP	50 28.0
ALQ	IP'C	11 39 37.0
	EPP	40 56.8
	EPKKP	49 36.0
SJG	EP'	11 40 40.2
	I	41 19.5
	I	41 40.5
FEB 25		
BCN	E(P)	11 25 42.9
FEB 25		
BMO	EP	11 35 12.3
	E	35 22.0
FEB 25		
H-11 38 44.4		
.2S 123.9E		
h ABOUT 86KM		
GUA	IP	11 44 01.0
	ES	48 22.0
HON	IP	11 50 43.4
BRW	EP C	11 51 20.3
COL	IP	11 51 31.2
NEW	IP	11 53 02.0
	E	57 06.0
BMO	EP'	11 57 09.0
	E	58 17.9
HHM	EP'	11 57 10.3
SLD	EP'	11 57 11.2
BOZ	EP'	11 57 15.5
BCN	EP'	11 57 19.9
TUC	EP'	11 57 27.0
	EPKKP	12 08 16.0
ALQ	EP'	11 57 31.4
	E	57 49.0
	E	12 09 15.0
SJG	EP'	11 58 35.0
	I	59 15.4
FEB 25		
H-11 56 11.3		
27.4N 92.4E		
h ABOUT 33KM		
BRW	EP C	12 07 24.9
COL	EP	12 08 01.5
FEB 25		
TUC	EP	12 07 08.6
ALQ	E(P)	12 07 28.0
BOZ	E(P)	12 08 07.0
BMO	EP	12 08 10.9
	E	08 21.8
FEB 25		
H-12 30 24.2		
6.8N 73.2W		
h ABOUT 167KM		
BOZ	E(P)	12 39 10.2
FEB 25		
PMR	IP	12 36 34.5
	IS	36 50.6
FEB 25		
SJG	IP	14 18 51.0
	IS	19 31.4
FEB 25		
H-15 08 58.5		
5.9N 125.2E		
h ABOUT 90KM		
COL	IP	15 21 16.2
FEB 25		
H-15 46 49.1		
19.6S 175.9W		
h ABOUT 331KM		
TUC	EP	15 58 28.4
BMO	EP	15 58 40.8
ALQ	IP	15 58 51.4
COL	EP	15 58 57.5
HHM	E(P)	15 59 00.0

Date and Station	Phase (GCT)
	h m s
FEB 25	
H-15 52 07.8	
40.4N 123.2W	
h ABOUT 23KM	
UKI EP	15 52 30.0
E	52 57.0
SLD IP C	15 53 05.0
IS	53 46.0
EUR IP	15 53 31.4
BMO EPN	15 53 41.0
I	53 51.6
BCN E(P)	15 54 05.9
NEW EP	15 54 26.0
BOZ E(P)	15 54 35.3
HHM E(P)	15 54 37.8
TUC E(P)	15 55 12.2
FEB 25	
BCN EP	15 54 35.9
FEB 25	
H-16 17 59.9	
12.7S 165.8E	
h ABOUT 96KM	
COL E(P)	16 30 24.6
FEB 25	
H-17 06 24.1	
2.3N 76.8W	
h ABOUT 15KM	
ALQ EP	17 14 24.6
BOZ E(P)	17 15 41.0
FEB 25	
EUR EP	17 08 20.5
FEB 25	
BOZ EPN	17 12 26.0
FEB 25	
BUT EPN	17 13 12.2
FEB 25	
EUR E(P)	17 23 49.0
FEB 25	
SLD E(P)	17 33 18.1
ES	33 45.0
FEB 25	
TUC E(P)	19 17 47.0
FEB 25	
COL EP	20 30 16.0
FEB 25	
PMR IP	21 32 46.7
IS	33 06.1

Date and Station	Phase (GCT)
	h m s
FEB 25	
H-21 33 45.1	
40.3N 124.3W	
h ABOUT 15KM	
UKI E(P)	21 34 17.0
EUR EP	21 35 22.1
FEB 25	
H-21 53 16.1	
14.3N 93.2W	
h ABOUT 33KM	
ALQ E(P)	21 58 28.0
TUC EP	21 58 33.2
FEB 25	
EUR EP	21 59 26.6
IL	22 00 18.7
FEB 25	
PMR E(P)	22 11 03.1
FEB 25	
ALQ E(P)	22 25 25.6
E	25 34.0
E	26 14.0
FEB 25	
EUR EP	22 29 41.7
FEB 25	
BCN (PN)	22 49 46.0
GCA EP	22 49 54.5
ES	50 18.2
EUR IP	22 50 12.2
FEB 25	
FGU EP	22 58 20.7
BOZ E(P)	22 59 00.0
FEB 26	
PMR IP	00 52 36.1
IS	52 57.3
FEB 26	
EUR IP	00 54 24.7
IL	54 50.9
FEB 26	
H-02 56 24.9	
6.2S 104.6E	
h ABOUT 19KM	
HHM EP'	03 15 27.7
BMO EP'	03 15 29.5
BOZ EP'	03 15 35.7
EUR IP'	03 15 38.0
EPP	19 47.8
FEB 26	
H-02 58 26.0	
41.6N 111.8W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
FGU IPN	02 58 56.8
IS	59 21.7
ILG	59 24.1
EUR EP	02 59 23.6
E(S)	03 00 10.8
IL	00 29.0
BOZ E(P)	02 59 26.0
FEB 26	
H-03 00 00.9	
8.3S 68.0E	
h ABOUT 33KM	
EUR IP'	03 19 48.0
SLD EP'	03 19 52.4
FEB 26	
TUC E(P)	03 19 21.5
FEB 26	
H-03 57 57.6	
49.8N 78.2E	
h ABOUT 0KM	
BRW IP C	04 07 17.0
IPCP	08 25.0
COL IP C	04 08 08.9
PMR IP D	04 08 25.0
IPCP	09 04.8
HHM EP C	04 10 15.7
NEW IP	04 10 18.1
BUT EP	04 10 31.5
BOZ IP C	04 10 34.0
E	10 41.3
BMO EP	04 10 34.6
WSC IP	04 10 54.5
E	11 08.5
I	12 18.0
SLC IP	04 10 58.5
FGU IP C	04 10 59.6
EUR IP C	04 11 02.9
EPKKP	28 28.3
SLD IP C	04 11 10.5
GCA IP C	04 11 15.7
BCN EP	04 11 20.0
E	11 27.0
ALQ EP	04 11 27.4
TUC EP	04 11 37.6
FEB 26	
TUC E(P)	04 28 09.0
NEW EP	04 28 49.0

Date and Station	Phase (GCT)
	h m s
FEB 26	
COL EP	04 37 15.0
FEB 26	
COL EP	04 51 44.0
NEW IP	04 54 24.8
HHM E(P)	04 54 39.7
BOZ E(P)	04 55 03.5
EUR EP	04 55 12.5
FEB 26	
BRW EP	04 55 09.8
FEB 26	
BMO EP	05 38 42.2
FEB 26	
PMR IP D	05 50 43.6
FEB 26	
BMO IP	06 18 13.0
FEB 26	
PMR IP	06 21 49.6
IS	22 10.4
FEB 26	
PMR IP	06 28 33.1
IS	28 36.7
FEB 26	
H-06 35 50.0	
7.8S 127.6E	
h ABOUT 144KM	
EUR EP'	06 54 15.5
FEB 26	
PMR EP	06 38 18.7
ES	38 46.8
BMO E(P)	06 40 12.8
EUR IP	06 41 48.0
FEB 26	
H-06 38 40.9	
26.6N 128.4E	
h ABOUT 7KM	
COL E(P)	06 49 14.0
NEW EP	06 51 19.0
HHM E(P)	06 51 25.7
BMO EP	06 51 28.7
EUR E(P)	06 51 47.0
FEB 26	
H-08 33 19.4	
14.7N 146.1E	
h ABOUT 33KM	
GUA EP	08 33 46.0
ES	34 17.0
NEW EP	08 45 46.0

Date and Station	Phase	(GCT)
		h m s
BMO	EP	08 45 50.7
EUR	E(P)	08 46 03.0
FEB 26		
PMR	IP	08 50 29.9
FEB 26		
H-08 56 16.3		
26.6N 128.3E		
h ABOUT 33KM		
BRW	E(P)	09 06 23.5
COL	E(P)	09 06 47.0
FEB 26		
FUR	EP	08 58 25.3
FEB 26		
NEW	EP	09 28 54.0
FEB 26		
BMO	E(P)	09 43 19.5
FEB 26		
BMO	EP	10 07 19.6
FEB 26		
SJG	IP	10 11 26.0
	IS	12 50.0
FEB 26		
H-10 29 14.8		
6.2S 149.1E		
h ABOUT 60KM		
COL	EP	10 41 41.0
EUR	EP	10 42 46.9
FEB 26		
BMO	E(P)	10 49 01.7
FEB 26		
H-11 57 53.9		
24.3S 179.8E		
h ABOUT 525KM		
TUC	EP	12 09 44.7
	I	09 50.5
EUR	IP	12 09 45.2
BMO	IP	12 09 55.7
ALQ	EP	12 10 05.0
	E	10 10.0
COL	EP	12 10 06.5
BOZ	E(P)	12 10 13.5
FEB 26		
PMR	IP	12 22 35.1
	IS	22 42.7
FEB 26		
PMR	EP	12 48 27.0
FEB 26		
H-13 05 40.9		
27.7N 111.5W		
h ABOUT 33KM		
TUC	EP	13 06 50.5
	EL	08 29.5
ALQ	E(P)	13 07 44.0
	E(L)	10 48.0
EUR	E(P)	13 08 42.5
NEW	EP	13 10 24.0
FEB 26		
BCN	E(P)	13 10 56.0
FEB 26		
H-13 33 42.3		
11.6S 166.2E		
h ABOUT 42KM		
COL	EP	13 46 08.0
EUR	E(P)	13 46 34.5
FEB 26		
SLD	EP	13 52 48.5
	EL	53 26.0
EUR	EP	13 53 14.5
ALQ	E(P)	13 54 58.0
	E	56 21.0
FEB 26		
H-13 52 57.4		
36.3N 114.5W		
h ABOUT 33KM		
BCN	IP D	13 53 06.0
	EL	53 12.0
LVN	IP	13 53 10.0
	EL	53 28.0
GCA	EP	13 53 36.0
	I	53 37.4
	ILG	54 07.1
EUR	EP	13 53 49.5
	EL	54 42.0
TUC	E(P)	13 54 11.8
	IL	55 32.7
FEB 26		
BHP	IP C	14 29 26.2
	IS	30 22.4
FEB 26		
GUA	EP	14 37 20.0
	ES	37 28.0
FEB 26		
H-14 51 49.3		
36.5N 70.8E		
h ABOUT 223KM		
COL	E(P)	15 03 04.5
FEB 26		
SLD	IP	15 18 06.1
	IS	18 13.5
FEB 26		
EUR	E(P)	15 19 36.0
FEB 26		
BMO	E(P)	15 21 35.9
FEB 26		
H-15 24 03.8		
36.0N 68.9E		
h ABOUT 30KM		
COL	IP	15 35 46.8
FEB 26		
BOZ	E(P)	16 23 15.5
EUR	EP	16 23 23.5
FEB 26		
BOZ	E(P)	16 47 00.0
FEB 26		
H-17 19 16.1		
6.6S 154.9E		
h ABOUT 81KM		
COL	EP	17 31 31.0
BMO	E(P)	17 32 22.0
EUR	IP	17 32 24.9
FEB 26		
SJG	IP	18 14 50.5
	IS	15 25.5
FEB 26		
PMR	IP	18 17 16.7
	IS	17 23.2
FEB 26		
EUR	E(P)	18 36 13.0
NEW	EP	18 36 17.0
FEB 26		
EUR	IP	19 41 57.6
FEB 26		
PMR	EP	20 33 16.1
	ES	33 33.9
FEB 26		
GUA	IP	20 46 03.0
	IS	46 18.0
EUR	EP	20 58 16.2
FEB 26		
BMO	EP	22 02 12.1
FEB 26		
EUR	EP	22 06 14.7
	EL	07 05.0
FEB 26		
EUR	EP	22 24 44.2
BMO	EP	22 24 56.0
FEB 26		
HHM	EPN	22 53 57.7
	EL	54 34.2
FEB 26		
COL	EP	23 46 16.0
FEB 27		
PMR	IP	00 22 26.3
	IS	22 41.9
FEB 27		
COL	EP	02 04 04.0
FEB 27		
PMR	EP	02 06 39.3
	IS	06 49.8
FEB 27		
H-02 06 41.6		
2.9N 74.9W		
h ABOUT 57KM		
BHP	IP C	02 08 30.1
	IS	11 38.6
SJG	E(P)	02 10 41.0
	ES	13 55.0
CSC	E(P)	02 13 08.5
ALQ	EP D	02 14 41.0
	E	14 50.0
	E	15 23.0
TUC	EP	02 14 51.0
	E	15 00.8
BCN	E(P)	02 15 38.1
EUR	IP	02 15 49.2
BOZ	EP	02 15 57.0
	E	16 06.5
SLD	EP	02 16 06.5
BMO	EP	02 16 15.7
	E	16 28.9
HHM	EP	02 16 19.1
NEW	IP	02 16 29.3
COL	E(P)	02 18 45.5
FEB 27		
H-02 29 35.0		
38.3S 74.8W		
h ABOUT 33KM		
TUC	EP	02 41 30.6
	EpP	41 39.5
ALQ	EP D	02 41 35.5
BCN	E(P)	02 41 54.1
EUR	IP	02 42 14.8
BOZ	E(P)	02 42 27.5
BMO	E(P)	02 42 38.3
HHM	E(P)	02 42 46.1
FEB 27		
BMO	E(P)	03 31 36.1
	E	31 48.0
EUR	IP	03 32 09.1

Date and Station	Phase (GCT)
	h m s
FEB 27	
ALQ EP	03 44 38.0
E	44 46.0
FEB 27	
SJG EP	04 59 41.5
IS	05 00 41.0
FEB 27	
NEW IP	06 34 18.2
BMO EP	06 34 22.7
E	34 54.9
HHM E(P)	06 34 28.6
EUR IP	06 34 36.8
BOZ E(P)	06 34 40.3
FEB 27	
H-06 42 33.4	
24.0S 66.8W	
h ABOUT 209KM	
EUR EP	06 54 11.7
FEB 27	
H-06 50 52.1	
6.7N 73.1W	
h ABOUT 184KM	
TUC E(P)	06 58 37.5
EUR E(P)	06 59 33.0
BOZ E(P)	06 59 37.5
FEB 27	
EUR EP	06 57 35.8
FEB 27	
EUR E(P)	07 22 50.0
FEB 27	
H-11 13 02.2	
23.9S 175.3W	
h ABOUT 33KM	
TUC E(P)	11 25 26.5
EUR EP	11 25 30.1
BMO E(P)	11 25 41.6
COL IP	11 26 03.5
FEB 27	
COL EP	13 35 42.0
FEB 27	
H-13 44 59.0	
16.8S 178.7W	
h ABOUT 564KM	
EUR E(P)	13 56 16.0
COL EP	13 56 35.0
FEB 27	
PMR EP	14 46 05.1
I	46 07.2
ES	46 37.2

Date and Station	Phase (GCT)
	h m s
FEB 27	
BHP IP	15 18 23.4
ES	19 14.6
FEB 27	
EUR E(P)	15 42 13.6
FEB 27	
H-15 50 57.0	
6.2S 154.8E	
h ABOUT 60KM	
COL EP	16 03 12.9
EUR EP	16 04 07.5
FEB 27	
HHM E(P)	16 44 48.1
FEB 27	
PMR IP	18 44 42.3
FEB 27	
SLD EP	19 28 28.3
ES	28 40.0
FEB 27	
EUR EP	20 21 23.7
FEB 27	
H-20 37 19.7	
45.6S 36.9E	
h ABOUT 33KM	
TUC EP'	20 57 06.9
ALQ EP'	20 57 07.0
FEB 27	
EUR E(P)	20 57 40.5
FEB 27	
H-21 00 42.6	
44.8N 26.6E	
h ABOUT 46KM	
COL EP	21 11 54.0
HHM E(P)	21 12 54.0
BMO EP	21 13 14.4
E	13 35.0
EUR E(P)	21 13 37.5
FEB 27	
NEW EP	21 07 50.0
E	08 15.0
FEB 27	
ALQ E(P)	21 30 06.0
E	30 11.2
E(L)	30 47.0
FEB 27	
HHM E(P)	21 48 51.6
FEB 27	
H-22 03 51.6	
51.1N 89.9E	
h ABOUT 33KM	
BMO EP	22 16 08.1

Date and Station	Phase (GCT)
	h m s
FEB 27	
EUR EP	22 18 25.1
NEW EP	22 18 50.0
FEB 27	
EUR E(P)	22 23 29.5
FEB 27	
EUR IP	22 25 28.1
FEB 27	
BOZ EPN	22 38 06.5
EL	38 16.5
FEB 27	
H-22 53 36.6	
41.6N 110.6W	
h ABOUT 0KM	
FGU IP C	22 53 58.9
IS	54 19.0
SLC E(P)	22 54 00.5
BOZ E(P)	22 54 41.7
EUR IP	22 54 49.5
FEB 28	
BOZ EP	02 49 15.5
FEB 28	
BMO IP	03 55 34.2
FEB 28	
H-04 00 13.1	
64.9N 148.7W	
h ABOUT 29KM	
COL IP	04 00 21.3
IS	00 28.0
PMR EP	04 01 04.8
BRW EP	04 01 56.7
EL	03 55.8
FEB 28	
H-05 12 36.7	
57.3N 152.6W	
h ABOUT 33KM	
PMR E(P)	05 13 45.3
COL EP	05 14 32.0
FEB 28	
H-05 36 36.6	
53.1N 173.0W	
h ABOUT 209KM	
COL EP	05 40 26.0
BRW IP C	05 40 50.8
NEW IP	05 43 10.5
BMO IP	05 43 24.6
EpP	44 15.8
HHM EP	05 43 25.1
E	43 44.6

Date and Station	Phase (GCT)
	h m s
BOZ IP C	05 43 48.5
E	44 42.7
EUR IP	05 43 57.5
BCN EP	05 44 22.2
TUC EP	05 45 00.0
ALQ EP	05 45 06.0
FEB 28	
COL EP	05 48 09.0
NEW EP	05 49 03.0
BMO E(P)	05 49 08.5
HHM E(P)	05 49 10.6
EUR EP	05 49 25.0
E	50 25.0
FEB 28	
PMR EP	06 14 55.1
ES	15 17.9
FEB 28	
SJG EP	06 58 51.2
I	58 57.2
ILG	59 22.3
FEB 28	
NEW EP	08 18 09.0
FEB 28	
H-09 37 20.2	
32.7N 141.6E	
h ABOUT 36KM	
GUA IP	09 41 42.0
ES	45 18.0
BRW EP	09 46 15.0
COL EP	09 46 33.0
ES	54 02.0
HHM E(P)	09 48 00.0
NEW EP	09 48 49.0
BMO EP	09 48 58.2
EPCP	49 11.0
SLD EP	09 49 07.2
BUT EP	09 49 13.0
EUR IP	09 49 19.6
SLC EP	09 49 31.6
E	49 42.1
FGU EP	09 49 39.2
GCA EP	09 49 40.1
TUC EP	09 50 00.1
ES	10 00 27.0
ALQ EP	09 50 07.0

Date and Station	Phase (GCT)
	h m s
FEB 28	
BMO IP	09 59 27.3
COL EP	09 59 39.0
FEB 28	
BCN EP	10 04 33.7
E	04 46.2
E	07 44.2
FEB 28	
H-12 27 32.7	
21.2S 179.0W	
h ABOUT 571KM	
BMO EP	12 39 16.0
FEB 28	
BMO IP	13 35 09.5
FEB 28	
H-14 21 49.7	
37.6N 21.1E	
h ABOUT 34KM	
BRW EP	14 33 08.5
HHM EP	14 34 27.1
NEW EP	14 34 33.0
BMO EP	14 34 45.5
FEB 28	
EUR EP	14 34 12.0
FEB 28	
SLD EP	14 42 37.0
ES	42 54.0
FEB 28	
H-15 15 58.6	
53.1N 159.9E	
h ABOUT 58KM	
COL E(P)	15 21 49.5
BMO EP	15 25 04.4
E	25 15.6
EUR EP	15 25 37.0
I	25 47.6
FEB 28	
BMO EP	15 58 11.2
FEB 28	
SJG EP	16 36 46.5
I	36 56.8
ELG	37 39.8
FEB 28	
BMO IP	17 17 16.1
FEB 28	
BMO IP	17 27 20.5
FEB 28	
EUR E(P)	18 04 58.0
FEB 28	
NEW EP	19 05 28.0

Date and Station	Phase (GCT)
	h m s
FEB 28	
H-19 52 48.9	
46.6N 112.3W	
h ABOUT 33KM	
BUT IPN	19 53 01.8
BOZ IPN	19 53 08.3
IL	54 23.6
BZM E(P)	19 53 11.5
HHM IPN	19 53 22.7
I	53 28.4
IS	53 48.8
NEW EP	19 53 42.0
ILG	54 40.0
BMO EPN	19 53 47.5
FEB 28	
EUR IP	20 13 21.1
FEB 28	
H-20 47 56.3	
55.2S 129.8W	
h ABOUT 33KM	
ALQ E(P)	21 01 03.5
EUR E(P)	21 01 16.0
FEB 28	
BMO E(P)	20 55 25.5
FEB 28	
SLD IP	21 14 08.4
E(S)	14 20.9
FEB 28	
COL EP	22 28 04.0
ALQ E(P)	22 31 11.5
E(L)	31 50.5
FEB 28	
BUT EP	22 55 20.3
BOZ EPN	22 55 31.5
EL	55 43.5
FEB 28	
HHM EPN	22 56 05.6
EL	56 41.4
BMO EPN	22 56 27.2

Date and Station	Phase (GCT)
	h m s

Date and Station	Phase (GCT)
	h m s