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SEISMOLOGICAL BULLETIN

October 1966

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

January 1969

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National Oceanic and Atmospheric Administration

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March 4, 2011

LIST OF SEISMOGRAPH STATIONS

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

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

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

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

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

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

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

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

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H, M S	DEG	DEG	KM		
1	02 57 58*	38.1 N	118.3 W	33	3.7	CALIFORNIA-NEVADA BORDER REGION. MAG. 4.0 (BRK).
1	03 56 51*	18.5 S	172.1 W	45	4.2	TONGA ISLANDS REGION.
1	05 46 29.5	10.9 S	162.1 E	30	4.7	SOLOMON ISLANDS.
1	06 12 31.4	15.6 S	172.6 W	33	4.3	SAMOA ISLANDS REGION.
1	07 07 48.5	37.4 N	114.2 W	33		SOUTHERN NEVADA.
1	07 38 30.2	34.7 N	71.0 E	36	4.9	WEST PAKISTAN.
1	07 52 24*	5.4 S	149.4 E	154		NEW BRITAIN REGION.
1	10 05 13.6	24.5 S	179.1 W	368	4.0	SOUTH OF FIJI ISLANDS.
1	10 36 21.3	37.3 N	114.2 W	33		SOUTHERN NEVADA. MAG. 3.7 (BRK).
1	19 23 11*	30.0 N	114.2 W	32	4.3	GULF OF CALIFORNIA.
1	23 07 17.7	23.2 S	66.8 W	196	4.1	JUJUY PROVINCE, ARGENTINA.
1	23 15 05.3	1.8 N	125.6 E	62	5.1	MOLUCCA PASSAGE.
2	00 53 31.2	17.5 S	168.0 E	42		NEW HEBRIDES ISLANDS. FELT AT PORT VILA.
2	02 24 53.1	43.7 N	125.1 E	7	4.7	NORTHEASTERN CHINA.
2	04 31 49.5	24.4 N	94.8 E	84	5.0	BURMA-INDIA BORDER REGION.
2	05 12 34.5	34.0 N	118.3 W	2	3.9	SOUTHERN CALIFORNIA. MAG. 3.5 (PAS), 4 (BRK). FELT AT LOS ANGELES. 33°58.1 N., 118°19.6′ W., DEPTH 1.9 KM. HYPOCENTER BY PASADENA.
2	07 23 38.1	51.6 N	174.6 W	58	5.1	ANDREANOF ISLANDS, ALEUTIAN IS. MAG. 4.9-5.3 (BRK). FELT ON ADAK.
2	11 20 41.9	36.7 N	140.9 E	50	4.5	NEAR EAST COAST OF HONSHU, JAPAN.
2	11 21 44.8	45.7 N	26.5 E	140	5.2	RUMANIA.
2	12 08 00.4	51.6 N	174.6 W	50	4.7	ANDREANOF ISLANDS, ALEUTIAN IS.
2	12 22 24.5	13.4 N	92.3 W	39	4.2	OFF COAST OF CHIAPAS, MEXICO.
2	14 43 37.4	51.5 N	174.6 W	42	4.1	ANDREANOF ISLANDS, ALEUTIAN IS.
2	15 39 41.2	37.3 N	114.2 W	33	4.5	SOUTHERN NEVADA. MAG. 4.5 (BRK).
2	16 43 45*	52.3 N	173.1 W	33	4.3	ANDREANOF ISLANDS, ALEUTIAN IS.
2	16 57 08*	51.7 N	174.5 W	44	4.0	ANDREANOF ISLANDS, ALEUTIAN IS.
2	19 42 06.8	53.7 S	141.2 E	14	5.0	WEST OF MACQUARIE ISLAND.
2	21 54 00.0	11.9 N	143.3 E	42	4.8	SOUTH OF MARIANA ISLANDS.
3	02 26 02.3	37.4 N	104.1 W	10	4.5	COLORADO. SLIGHT DAMAGE AT TRINIDAD, TRINCHERA, AND SEGUNDO. FELT AT PUEBLO, COLORADO AND RATON, NEW MEXICO.
3	04 03 34*	18.0 S	178.1 W	546	3.9	FIJI ISLANDS REGION.
3	05 24 13.0	60.4 S	26.6 W	33	5.1	SOUTH SANDWICH ISLANDS REGION.
3	11 05 32*	25.2 N	142.0 E	33	4.3	VOLCANO ISLANDS REGION.
3	15 03 36.2	33.2 S	78.2 E	33	5.1	MID-INDIAN RISE.
3	15 41 19*	20.6 S	169.4 E	33		NEW HEBRIDES ISLANDS.
3	16 03 50.9	35.8 N	111.6 W	34		EASTERN ARIZONA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
3	17 05 09.7	35.7 N	53.3 E	33	4.9	IRAN.
3	21 54 22.1	3.5 S	140.3 E	33		WEST NEW GUINEA.
3	23 39 00.8	39.4 N	24.9 E	37	4.3	AEGEAN SEA.
4	01 44 27.5	11.1 S	162.3 E	10	5.0	SOLOMON ISLANDS.
4	04 32 40.5	52.5 N	169.1 W	49	4.3	FOX ISLANDS, ALEUTIAN ISLANDS.
4	07 22 55.0	11.9 N	142.1 E	50	5.1	SOUTH OF MARIANA ISLANDS.
4	09 20 52*	47.1 S	12.2 W	33	5.0	SOUTH ATLANTIC RIDGE.
4	15 34 36*	41.6 N	110.6 W	0	3.8	WYOMING.
4	15 59 23*	53.7 S	140.5 E	33		WEST OF MACQUARIE ISLAND.
4	18 30 13.2	37.3 N	114.2 W	33		SOUTHERN NEVADA.
4	23 37 34.7	26.1 S	179.5 E	489	5.0	SOUTH OF FIJI ISLANDS.
5	02 59 58.5	52.3 N	173.9 W	78	4.8	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.
5	04 03 16*	20.6 S	169.3 E	48		NEW HEBRIDES ISLANDS.
5	05 25 41.0	12.3 S	167.1 E	245	4.8	SANTA CRUZ ISLANDS.
5	07 57 20*	29.2 N	81.1 E	33		NEPAL.
5	08 09 48.7	20.7 S	67.0 W	246	3.9	SOUTHERN BOLIVIA.
5	08 34 37.5	0.2 N	29.8 E	8	5.3	REPUBLIC OF THE CONGO.
5	10 06 11.7	20.3 S	175.8 W	225	4.7	TONGA ISLANDS.
5	12 19 58.6	36.7 N	68.5 E	45	4.5	HINDU KUSH REGION.
5	13 32 47.1	6.6 N	93.7 E	33	4.2	NICOBAR ISLANDS REGION.
5	14 00 27.5	10.8 S	162.4 E	83	4.8	SOLOMON ISLANDS.
5	17 53 24.8	21.8 S	68.7 W	114	4.6	CHILE-BOLIVIA BORDER REGION.
5	20 32 33.4	2.4 S	138.6 E	16	4.7	WEST NEW GUINEA.
5	20 47 58.6	10.6 S	161.1 E	42	4.8	SOLOMON ISLANDS.
5	23 09 05*	7.8 S	155.5 E	34		SOLOMON ISLANDS.
5	23 23 53*	52.8 S	28.2 E	33	4.8	SOUTH OF AFRICA.
5	23 38 22*	23.4 S	69.4 W	47	4.7	NORTHERN CHILE.
6	03 11 03.5	6.2 S	146.4 E	113	5.0	EAST NEW GUINEA REGION. FELT AT LAE.
6	07 48 51.0	39.1 N	41.7 E	50	4.5	TURKEY.
6	11 16 05*	4.0 S	139.9 E	37		WEST NEW GUINEA.
6	13 14 43.1	12.2 N	144.0 E	28	4.5	SOUTH OF MARIANA ISLANDS.
6	13 48 31.8	51.4 N	159.5 E	22	4.9	OFF EAST COAST OF KAMCHATKA.
6	14 10 37.4	4.7 N	125.7 E	153	5.4	TALAUD ISLANDS.
6	19 06 15.2	18.4 S	175.5 W	182	3.8	TONGA ISLANDS.
6	23 49 53*	17.4 S	172.9 W	40	4.4	TONGA ISLANDS REGION.
7	01 31 53.0	0.1 S	122.9 E	197	4.8	NORTHERN CELEBES.
7	03 15 08.9	10.3 S	161.6 E	65	4.5	SOLOMON ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
7	03 29 31*	9.0 N	125.7 E	70		MINDANAO, PHILIPPINE ISLANDS. MINOR DAMAGE AT BUTUAN.
7	04 28 28.1	4.4 N	126.0 E	70	5.6	TALAUD ISLANDS.
7	05 08 12.5	38.9 N	73.1 E	171		TADZHIK-SINKIANG BORDER REGION.
7	07 29 13.6	37.5 S	73.4 W	23	4.4	NEAR COAST OF CENTRAL CHILE.
7	12 03 51.1	18.3 N	47.0 W	33	4.4	NORTH ATLANTIC RIDGE.
7	15 55 10.4	21.6 S	170.6 E	160	6.3	LOYALTY ISLANDS REGION. MAG. 6 3/4 (PAS), 6.0 (BRK).
7	19 01 29.4	17.4 S	168.7 E	5		NEW HEBRIDES ISLANDS.
7	19 55 26*	5.5 S	146.2 E	163		EAST NEW GUINEA REGION.
7	20 55 56.4	61.7 N	150.1 W	57	5.6	SOUTHERN ALASKA. FELT AT ANCHORAGE, KENAI, VALDEZ, AND TALKEETNA.
7	22 41 03*	59.2 N	136.0 W	53	4.0	SOUTHEASTERN ALASKA.
7	23 04 07.0	4.4 S	143.1 E	86	5.2	NEW GUINEA. FELT AT AMBOIN AND AMBUNTI.
8	00 12 16.2	16.6 S	177.4 W	18	5.5	FIJI ISLANDS REGION. MAG. 6.6-6.9 (BRK).
8	02 21 38.3	19.4 S	175.2 W	75	5.1	TONGA ISLANDS.
8	02 34 11.2	16.5 S	177.3 W	16	4.8	FIJI ISLANDS REGION.
8	03 06 44.8	57.7 N	151.6 W	20	4.9	KODIAK ISLAND REGION.
8	03 52 22.1	17.6 N	147.3 E	18	5.0	MARIANA ISLANDS REGION.
8	04 23 07.4	32.1 S	67.4 W	135	4.5	MENDOZA PROVINCE, ARGENTINA.
8	10 03 47*	61.3 N	150.5 W	33	3.7	SOUTHERN ALASKA. FELT AT ANCHORAGE.
8	10 32 32*	19.7 S	68.8 W	144	4.1	CHILE-BOLIVIA BORDER REGION.
8	12 02 08.8	35.4 N	140.2 E	65	4.9	NEAR EAST COAST OF HONSHU, JAPAN.
8	12 36 14.7	37.3 N	114.2 W	33	4.0	SOUTHERN NEVADA. MAG. 4.3 (BRK).
8	14 43 55.2	15.6 S	177.8 W	435	4.8	FIJI ISLANDS REGION.
8	15 29 53.8	43.2 N	111.0 W	33		EASTERN IDAHO.
8	17 43 54.9	51.7 N	173.9 W	26	5.2	ANDREANOF ISLANDS, ALEUTIAN IS.
8	19 39 40.8	10.7 N	62.6 W	93	4.7	NEAR COAST OF VENEZUELA.
8	20 38 07*	10.7 N	82.4 W	33	4.1	NORTH OF PANAMA.
8	20 57 30.5	46.2 N	153.0 E	22	4.4	KURILE ISLANDS.
8	23 18 04.6	44.6 N	147.5 E	147		KURILE ISLANDS.
9	00 19 56.5	46.9 N	152.1 E	105	4.5	KURILE ISLANDS.
9	00 37 26.3	37.3 N	114.2 W	33		SOUTHERN NEVADA.
9	02 06 35.7	17.9 S	178.2 W	642	4.8	FIJI ISLANDS REGION.
9	02 17 50.0	1.5 N	85.3 W	33	4.7	OFF COAST OF ECUADOR.
9	03 32 29*	51.8 N	176.4 E	47	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
9	04 38 24.5	44.8 N	111.1 W	16	3.9	HEBGEN LAKE REGION.
9	04 44 41.2	29.6 S	71.7 W	50	4.1	NEAR COAST OF CENTRAL CHILE.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
9	06 48 42.1	12.6 N	30.8 E	22	5.0	SUDAN. 1 KILLED AND MAJOR PROPERTY DAMAGE NEAR KORDANI MOUNTAIN. FELT AT KOSTI, MEDANI AND KHARTOUM.
9	08 10 24.6	31.2 N	114.3 W	8	4.9	GULF OF CALIFORNIA. MAG. 5 1/4-5 1/2 (PAS).
9	08 23 40.9	19.5 S	176.3 W	220	4.3	FIJI ISLANDS REGION.
9	09 26 05*	39.8 S	177.0 E	4		OFF E. COAST OF N. ISLAND, N.Z.
9	10 28 26.8	12.7 N	31.0 E	30		SUDAN.
9	12 06 43*	54.9 S	124.2 W	33	4.7	EASTER ISLAND CORDILLERA.
9	13 50 06.8	18.1 S	178.4 W	570	4.0	FIJI ISLANDS REGION.
9	19 41 49*	44.9 N	111.1 W	33	4.2	HEBGEN LAKE REGION.
9	21 08 20.0	44.8 N	111.3 W	16		HEBGEN LAKE REGION.
9	21 29 21*	55.7 S	27.1 W	33	4.8	SOUTH SANDWICH ISLANDS REGION.
9	22 52 16.8	34.1 S	179.2 E	33	4.5	SOUTH OF KERMADEC ISLANDS.
10	01 19 47.8	16.1 N	98.0 W	80	4.5	NEAR COAST OF GUERRERO, MEXICO.
10	06 38 28*	16.5 N	99.1 W	37	3.5	NEAR COAST OF GUERRERO, MEXICO.
10	06 43 21.5	7.3 S	129.2 E	133	4.8	BANDA SEA.
10	06 53 11.2	44.5 N	149.2 E	26	4.5	KURILE ISLANDS.
10	06 53 46.1	36.6 N	121.2 W	14	4.5	CENTRAL CALIFORNIA. MAG. 4.1 (BRK). FELT AT HOLLISTER. 36°35.4'N., 121° 13.2'W. HYPOCENTER BY BERKELEY.
10	08 38 17*	44.3 N	149.6 E	33	3.9	KURILE ISLANDS.
10	09 56 28*	37.5 N	31.6 E	33		TURKEY.
10	10 03 31.7	10.7 N	62.6 W	99	4.8	NEAR COAST OF VENEZUELA.
10	10 44 10.0	24.0 N	123.0 E	34	4.8	SOUTHWESTERN RYUKYU ISLANDS.
10	13 08 03*	44.9 N	111.3 W	33		HEBGEN LAKE REGION.
10	15 28 46*	1.6 S	78.9 W	66	4.1	ECUADOR.
10	20 09 53*	45.2 N	111.3 W	33		MONTANA.
10	20 25 36.7	29.9 S	67.2 W	47	4.7	LA RIOJA PROVINCE, ARGENTINA.
10	20 28 33.2	19.7 S	70.8 W	36	4.4	NEAR COAST OF NORTHERN CHILE.
10	21 06 51*	19.9 S	71.1 W	33	4.2	OFF COAST OF NORTHERN CHILE.
10	21 17 34.6	57.4 N	136.1 W	33	4.8	SOUTHEASTERN ALASKA.
10	23 58 25.1	15.8 S	172.9 W	40	4.6	SAMOA ISLANDS REGION.
11	01 19 37.5	12.4 N	141.7 E	67	4.6	SOUTH OF MARIANA ISLANDS.
11	01 49 53.1	53.3 N	173.8 W	233	3.8	ANDREANOF ISLANDS, ALEUTIAN IS.
11	03 30 32.5	19.8 S	71.0 W	6	4.2	OFF COAST OF NORTHERN CHILE.
11	04 59 05.9	17.4 S	168.6 E	27	4.9	NEW HEBRIDES ISLANDS.
11	05 39 08.1	30.1 S	71.9 W	34	5.2	NEAR COAST OF CENTRAL CHILE.
11	06 25 56.4	60.5 S	26.3 W	36	5.8	SOUTH SANDWICH ISLANDS REGION.
11	06 57 45.3	4.9 N	76.0 W	106	4.6	COLOMBIA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
11	07 30 04.5	44.9 N	111.1 W	22	4.0	HEBGEN LAKE REGION. FELT AT HEBGEN LAKE AND WEST YELLOWSTONE.
11	07 31 12*	45.0 N	111.3 W	33		MONTANA. FELT AT WEST YELLOWSTONE.
11	07 59 42.5	60.4 S	26.2 W	33	5.4	SOUTH SANDWICH ISLANDS REGION.
11	08 15 03*	16.7 S	167.6 E	17		NEW HEBRIDES ISLANDS.
11	08 23 05.2	44.8 N	111.2 W	16		HEBGEN LAKE REGION. FELT AT WEST YELLOWSTONE.
11	09 57 35*	44.8 N	111.5 W	33		HEBGEN LAKE REGION.
11	10 06 20.7	28.0 N	103.8 E	36	5.0	SZECHWAN PROVINCE, CHINA.
11	11 38 50.7	44.9 N	111.1 W	16	4.5	HEBGEN LAKE REGION.
11	12 06 18.9	14.0 N	120.7 E	102	5.1	LUZON, PHILIPPINE ISLANDS. FELT AT MANILA.
11	14 37 39*	44.9 N	111.3 W	3		HEBGEN LAKE REGION. FELT.
11	16 27 27.6	44.9 N	111.1 W	11		HEBGEN LAKE REGION.
11	16 30 41.0	44.9 N	111.2 W	25		HEBGEN LAKE REGION. FELT AT WEST YELLOWSTONE.
11	16 39 51.1	44.9 N	111.2 W	20	4.0	HEBGEN LAKE REGION. FELT.
11	16 44 02.4	34.6 S	78.5 E	33	5.0	MID-INDIAN RISE.
11	16 49 49.2	62.6 N	148.8 W	54	4.2	CENTRAL ALASKA.
11	16 58 06*	44.8 N	111.4 W	33		HEBGEN LAKE REGION. FELT.
11	16 59 12.6	35.1 N	117.3 W	25	4.5	CENTRAL CALIFORNIA. MAG. 4.4 (PAS), 4.7 (BRK). FELT AT BARSTOW, LOS ANGELES, AND EDWARDS AIR FORCE BASE.
11	17 41 49.9	44.8 N	111.2 W	33		HEBGEN LAKE REGION. FELT AT WEST YELLOWSTONE.
11	17 49 54.3	32.4 S	178.8 W	27	4.5	SOUTH OF KERMADEC ISLANDS.
11	17 52 31.1	44.8 N	111.2 W	8	4.3	HEBGEN LAKE REGION. FELT.
11	17 58 47.5	44.9 N	111.4 W	14		HEBGEN LAKE REGION.
11	18 53 12.8	43.9 N	147.5 E	41		KURILE ISLANDS.
11	19 25 30*	15.9 S	168.6 E	270		NEW HEBRIDES ISLANDS.
11	19 28 30*	36.9 N	114.7 E	33	4.4	EASTERN CHINA.
11	20 02 13*	45.1 N	111.2 W	33		MONTANA.
11	20 40 39.8	32.6 S	178.7 W	33	5.0	SOUTH OF KERMADEC ISLANDS. MAG. 4.8-5.2 (BRK).
11	21 14 05*	33.8 N	137.3 E	346	4.1	NEAR S. COAST OF HONSHU, JAPAN.
11	23 02 29.2	44.9 N	111.3 W	15		HEBGEN LAKE REGION. FELT.
12	00 06 38.8	12.0 S	121.7 E	33	5.6	SOUTH OF TIMOR.
12	01 42 19*	44.8 N	111.3 W	33		HEBGEN LAKE REGION.
12	02 12 29.9	51.6 N	179.0 E	42	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
12	03 16 29.7	14.0 N	146.4 E	63	4.8	MARIANA ISLANDS.
12	03 19 23.0	60.4 N	144.5 W	15	4.6	SOUTHERN ALASKA.
12	04 22 17.7	31.3 S	177.7 W	41	5.1	KERMADEC ISLANDS. MAG. 4.5-4.9 (BRK).

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
12	06 32 38.4	16.1 S	168.1 E	181		NEW HEBRIDES ISLANDS.
12	06 52 26.5	60.5 S	26.5 W	33	5.1	SOUTH SANDWICH ISLANDS REGION.
12	07 30 39.1	17.2 N	120.1 E	64	4.8	LUZON, PHILIPPINE ISLANDS.
12	07 56 58.3	11.0 S	162.3 E	35	5.0	SOLOMON ISLANDS.
12	08 20 38.4	60.4 N	145.0 W	24	4.5	SOUTHERN ALASKA.
12	08 59 22.5	18.1 S	178.4 W	600	4.6	FIJI ISLANDS REGION.
12	09 38 01.2	21.9 S	176.2 W	140	4.5	FIJI ISLANDS REGION.
12	11 30 33.5	59.8 N	144.8 W	14	4.0	GULF OF ALASKA.
12	12 38 14.5	24.5 S	176.4 W	33	4.4	SOUTH OF FIJI ISLANDS.
12	15 49 09.1	60.4 S	26.6 W	33	5.1	SOUTH SANDWICH ISLANDS REGION.
12	16 40 45*	60.5 N	144.2 W	33	4.1	SOUTHERN ALASKA.
12	18 27 48.9	4.7 S	80.9 W	45	4.6	PERU-ECUADOR BORDER REGION.
12	18 55 27.0	16.5 N	98.9 W	25	4.5	NEAR COAST OF GUERRERO, MEXICO.
12	19 04 00*	16.1 N	99.0 W	25	4.0	NEAR COAST OF GUERRERO, MEXICO.
12	20 20 06.6	11.2 N	86.2 W	45	5.1	NEAR COAST OF NICARAGUA.
12	20 58 19.8	29.9 S	71.9 W	10	4.6	NEAR COAST OF CENTRAL CHILE.
12	21 01 38.9	36.5 N	138.0 E	60	4.4	HONSHU, JAPAN. FELT IN CENTRAL HONSHU.
13	01 23 56.5	36.3 N	27.8 E	23	4.4	DODECANESE ISLANDS. FELT ON RHODES ISLAND.
13	02 15 47.4	59.5 N	145.2 W	26	5.0	GULF OF ALASKA.
13	02 37 56.2	15.1 N	105.8 W	33	4.4	OFF COAST OF MICHOACAN, MEXICO.
13	03 16 09.6	37.4 N	114.2 W	33		SOUTHERN NEVADA.
13	05 06 34.5	22.8 N	143.6 E	33	4.5	VOLCANO ISLANDS REGION.
13	05 26 46.9	59.7 N	144.9 W	33	4.2	GULF OF ALASKA.
13	08 31 20*	5.6 N	79.8 W	33	3.9	SOUTH OF PANAMA.
13	12 42 42.0	31.4 N	80.3 E	29	5.1	TIBET.
13	15 45 15.2	8.7 S	74.3 W	150	5.2	PERU-BRAZIL BORDER REGION.
13	17 23 41.9	54.0 S	134.0 W	33	5.0	SOUTH PACIFIC CORDILLERA.
13	17 25 50*	53.9 S	133.9 W	33	4.7	SOUTH PACIFIC CORDILLERA.
13	17 28 41*	54.0 S	133.7 W	33	4.7	SOUTH PACIFIC CORDILLERA.
13	18 44 25*	51.7 N	176.2 E	33	4.7	RAT ISLANDS, ALEUTIAN ISLANDS.
13	19 17 48*	29.8 S	178.2 W	150		KERMADEC ISLANDS REGION.
14	01 04 43.8	36.4 N	87.4 E	25	5.3	SOUTHERN SINKIANG PROV., CHINA.
14	01 11 52.0	39.4 N	80.1 E	33	4.7	SOUTHERN SINKIANG PROV., CHINA.
14	01 49 28.5	19.2 N	67.8 W	47	4.6	MONA PASSAGE.
14	02 32 32.1	15.1 S	173.4 W	33	5.0	TONGA ISLANDS.
14	02 34 37.5	23.8 S	179.9 W	514	4.9	SOUTH OF FIJI ISLANDS.
14	04 01 28*	12.0 S	121.1 E	33	5.1	SOUTH OF TIMOR.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
14	04 11 49*	41.4 N	20.1 E	33		ALBANIA.
14	06 05 20.3	14.1 S	26.1 E	49	3.7	ZAMBIA.
14	07 35 08.2	6.1 S	154.9 E	185	4.5	SOLOMON ISLANDS.
14	09 17 18.7	9.0 S	158.7 E	30	5.0	SOLOMON ISLANDS.
14	12 12 09*	24.3 S	176.4 W	33	4.7	SOUTH OF FIJI ISLANDS.
14	18 02 18*	48.9 N	127.0 W	33	4.1	VANCOUVER ISLAND REGION.
14	20 34 28.9	37.0 N	121.7 W	9	4.6	CENTRAL CALIFORNIA. MAG. 4 1/4-4 1/2 (PAS), 4.2 (BRK). FELT AT HOLLISTER. 36° 59.5′ N., 121° 44.6′ W. HYPOCENTER BY BERKELEY
14	21 09 38.9	41.8 N	110.7 W	0		WYOMING.
14	22 42 51.0	6.8 S	71.2 W	631	3.9	WESTERN BRAZIL.
15	02 20 41*	4.8 S	153.5 E	89		NEW IRELAND REGION.
15	03 55 11*	37.3 S	177.7 E	71		OFF E. COAST OF N. ISLAND, N.Z.
15	05 01 02.8	44.8 N	111.2 W	15		HEBGEN LAKE REGION.
15	06 25 37.4	19.8 S	71.1 W	33	4.3	OFF COAST OF NORTHERN CHILE.
15	06 54 20.6	13.1 N	50.5 E	38	4.6	EASTERN GULF OF ADEN.
15	06 59 18.9	45.6 N	26.4 E	140	4.9	RUMANIA.
15	08 30 52.0	18.0 S	178.3 W	579	4.9	FIJI ISLANDS REGION.
15	12 09 24.7	55.6 N	158.9 W	40	4.3	ALASKA PENINSULA.
15	14 16 58.1	44.4 N	147.8 E	54		KURILE ISLANDS.
15	14 29 39.1	46.6 N	153.2 E	12	4.4	KURILE ISLANDS.
15	18 00 06.5	41.8 N	143.0 E	52	5.1	HOKKAIDO, JAPAN REGION.
15	20 34 53*	23.5 S	175.3 W	33	4.6	TONGA ISLANDS REGION.
15	22 39 22*	23.6 S	175.4 W	40	4.7	TONGA ISLANDS REGION.
16	00 17 12.8	15.4 N	60.9 W	163		LEEWARD ISLANDS.
16	02 39 50.8	45.8 N	26.5 E	129		RUMANIA.
16	06 48 37.4	19.8 S	71.0 W	27	5.0	OFF COAST OF NORTHERN CHILE.
16	09 13 32.2	29.7 N	142.4 E	60	5.4	SOUTH OF HONSHU, JAPAN.
16	09 26 37.8	30.0 N	68.6 E	42	5.0	WEST PAKISTAN.
16	11 58 39.5	42.4 N	142.3 E	90	3.9	HOKKAIDO, JAPAN REGION.
16	12 55 30.8	56.1 S	27.2 W	101	5.5	SOUTH SANDWICH ISLANDS REGION.
16	13 18 17.3	4.9 S	153.5 E	72		NEW IRELAND REGION.
16	15 18 22*	9.3 S	75.9 W	134	4.0	PERU.
16	22 19 17.8	19.9 S	71.0 W	33	3.8	OFF COAST OF NORTHERN CHILE.
16	22 22 41*	34.2 N	136.9 E	355	3.7	SOUTHERN HONSHU, JAPAN.
16	23 32 01*	36.9 N	71.9 E	215		AFGHANISTAN-USSR BORDER REGION.
17	03 57 48.3	11.1 S	166.9 E	25	4.9	SANTA CRUZ ISLANDS.
17	07 30 11.4	23.6 S	179.9 E	550	4.8	SOUTH OF FIJI ISLANDS.
17	08 28 21.0	36.3 N	70.9 E	228		HINDU KUSH REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
17	08 51 44.8	11.2 S	167.1 E	45	4.3	SANTA CRUZ ISLANDS.
17	09 13 25*	11.2 S	167.0 E	33	4.3	SANTA CRUZ ISLANDS.
17	10 15 38.7	11.0 S	166.8 E	35	5.5	SANTA CRUZ ISLANDS. MAG. 5 3/4 (PAS), 4.6-5.0 (BRK).
17	11 11 55.7	13.5 S	74.6 W	107	4.8	PERU.
17	12 09 23*	11.1 S	167.1 E	33	4.6	SANTA CRUZ ISLANDS.
17	12 35 55.3	10.5 S	161.5 E	32	5.0	SOLOMON ISLANDS.
17	13 09 40.7	52.9 N	163.9 W	39	4.8	SOUTH OF ALASKA.
17	13 48 53.8	11.1 S	166.8 E	25	5.1	SANTA CRUZ ISLANDS.
17	14 41 07*	21.2 S	175.6 W	225	4.6	TONGA ISLANDS.
17	16 30 44.2	43.6 N	146.9 E	59	4.7	KURILE ISLANDS.
17	18 20 07.9	22.4 S	179.2 E	634	5.3	SOUTH OF FIJI ISLANDS.
17	20 29 03.6	4.3 S	143.4 E	115		NEW GUINEA.
17	21 00 47*	8.2 N	39.2 W	33	4.5	CENTRAL MID-ATLANTIC RIDGE.
17	21 41 54.7	10.7 S	78.8 W	24	6.3	NEAR COAST OF PERU. MAG. 7 1/2 (PAS), 7.5 (BRK). ABOUT 125 KILLED AND 3000 INJURED. MAJOR PROPERTY DAMAGE IN COASTAL AREAS. TSUNAMI OF 3.4 METERS AT LA PUNTA-CALLAO. FELT ABOARD USN SHIP "BELMONT" OFF CALLAO.
17	21 53 14*	10.6 S	78.2 W	43	5.5	NEAR COAST OF PERU.
17	22 26 40*	10.7 S	78.7 W	25	5.1	NEAR COAST OF PERU.
17	23 04 23.3	10.3 S	78.6 W	41	5.1	NEAR COAST OF PERU.
17	23 32 37.3	10.7 S	78.8 W	30	5.0	NEAR COAST OF PERU.
17	23 46 51.5	10.0 S	79.5 W	39	5.2	OFF COAST OF PERU.
18	01 03 44.0	10.8 S	78.9 W	40	4.3	NEAR COAST OF PERU.
18	01 53 43*	10.1 S	78.6 W	33	4.3	NEAR COAST OF PERU.
18	01 56 16.5	10.6 S	78.9 W	40	4.6	NEAR COAST OF PERU.
18	02 33 31*	18.4 N	145.6 E	74	4.8	MARIANA ISLANDS.
18	02 37 46.7	11.1 S	166.7 E	39	4.7	SANTA CRUZ ISLANDS.
18	04 03 13.6	23.3 S	179.2 E	585	4.9	SOUTH OF FIJI ISLANDS.
18	04 42 55.3	11.3 S	78.5 W	25	4.4	OFF COAST OF PERU.
18	06 13 42*	37.4 N	114.1 W	33		SOUTHERN NEVADA.
18	07 40 53.0	27.1 S	71.1 W	33	4.5	NEAR COAST OF NORTHERN CHILE.
18	08 26 07.7	10.6 S	79.5 W	30	4.9	OFF COAST OF PERU.
18	09 00 01*	11.0 S	78.8 W	33	4.0	OFF COAST OF PERU.
18	10 58 41.3	17.9 S	178.5 W	570	4.6	FIJI ISLANDS REGION.
18	11 02 02.9	10.8 S	79.2 W	25	4.6	OFF COAST OF PERU.
18	11 14 38*	17.0 N	97.7 W	39	3.6	OAXACA, MEXICO.
18	12 52 12.8	10.9 S	79.2 W	25	4.7	OFF COAST OF PERU.
18	15 04 55*	35.9 N	138.1 E	90	4.2	HONSHU, JAPAN.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
18	17 43 16.1	15.1 N	148.0 E	32	4.7	MARIANA ISLANDS REGION.
18	17 58 12*	37.3 N	114.2 W	33		SOUTHERN NEVADA.
18	18 43 34.8	3.6 N	74.5 W	40	4.8	COLOMBIA. FELT STRONGLY IN CENTRAL COLOMBIA.
18	20 06 51*	11.0 S	167.0 E	25	4.8	SANTA CRUZ ISLANDS.
18	20 34 37.4	24.3 N	94.9 E	85	5.2	BURMA-INDIA BORDER REGION.
18	20 49 51.8	11.1 S	166.7 E	33	4.9	SANTA CRUZ ISLANDS.
18	21 15 20.9	3.7 S	151.8 E	5		NEW IRELAND REGION.
18	22 27 35.6	15.1 S	174.2 W	120	5.3	TONGA ISLANDS.
19	00 51 04.3	10.8 S	79.0 W	25	4.5	OFF COAST OF PERU.
19	02 17 44.3	10.3 S	79.5 W	33	5.0	OFF COAST OF PERU.
19	03 21 23*	10.6 S	166.7 E	35	4.7	SANTA CRUZ ISLANDS.
19	03 57 57.7	49.7 N	78.0 E	0	5.7	EASTERN KAZAKH SSR. MAG. 4.6-5.0 (BRK).
19	06 05 56*	11.1 S	79.1 W	33	4.5	OFF COAST OF PERU.
19	06 13 07*	14.0 N	91.6 W	35	4.1	GUATEMALA.
19	06 30 38.9	22.4 N	142.0 E	292	5.0	VOLCANO ISLANDS REGION. MAG. 4.6-5.0 (BRK).
19	07 25 41.7	11.4 S	78.4 W	30	4.4	OFF COAST OF PERU.
19	08 01 33.8	1.5 S	15.4 W	33	6.2	NORTH OF ASCENSION ISLAND. MAG. 6 3/4 (PAS), 6.8-7.2 (BRK), 6 3/4 (CGS SURFACE WAVE).
19	11 22 14.8	12.5 S	166.9 E	220	5.1	SANTA CRUZ ISLANDS.
19	12 42 34.4	7.8 S	127.0 E	183	5.0	BANDA SEA.
19	13 32 16.2	4.0 N	125.5 E	111	4.6	TALAUD ISLANDS.
19	14 28 28.3	3.0 N	78.7 W	39	4.6	SOUTH OF PANAMA.
19	16 34 47.3	18.1 N	145.7 E	145	4.6	MARIANA ISLANDS.
19	17 37 56.9	10.8 S	79.0 W	43	4.8	OFF COAST OF PERU.
19	19 25 38.4	51.2 N	159.2 E	29	4.5	OFF EAST COAST OF KAMCHATKA.
19	19 36 25.8	51.2 N	159.0 E	41	4.8	OFF EAST COAST OF KAMCHATKA.
19	20 35 40.0	51.1 N	159.2 E	38	4.5	OFF EAST COAST OF KAMCHATKA.
19	22 23 37*	10.8 S	79.0 W	33	4.3	OFF COAST OF PERU.
20	00 53 39.8	33.6 N	78.6 E	33	5.0	KASHMIR-TIBET BORDER REGION.
20	02 33 09.0	7.2 S	129.2 E	137	4.7	BANDA SEA.
20	03 40 07*	13.1 N	89.7 W	67	4.1	EL SALVADOR.
20	04 58 27*	42.8 N	17.6 E	33	4.5	ADRIATIC SEA. FELT AT SARAJEVO, YUGOSLAVIA.
20	09 19 15.3	39.6 N	111.1 W	33		UTAH.
20	09 38 34.7	44.2 N	12.1 E	42	4.4	NORTHERN ITALY. FELT IN SAVIO VALLEY.
20	11 36 14.1	1.6 N	127.3 E	121	4.9	HALMAHERA.
20	13 17 24*	5.1 S	151.5 E	97		NEW BRITAIN REGION. FELT AT RABAUL.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
20	13 35 50.1	15.4 S	167.6 E	139	5.0	NEW HEBRIDES ISLANDS. FELT AT NORSUP.
20	14 25 39.8	35.1 N	117.3 W	16	4.5	CENTRAL CALIFORNIA. MAG. 3.8 (PAS), 4.1-4.5 (BRK).
20	15 03 49*	3.7 S	145.4 E	28	4.9	NEAR NORTH COAST OF NEW GUINEA.
20	15 41 43.3	58.8 S	25.5 W	33	4.5	SOUTH SANDWICH ISLANDS REGION.
20	18 28 40.5	13.6 N	91.8 W	5	4.4	NEAR COAST OF GUATEMALA.
20	22 22 48.6	12.0 S	71.7 W	41	4.5	PERU.
20	23 50 54.3	10.7 S	79.0 W	39	4.6	OFF COAST OF PERU.
21	01 56 23.0	26.5 N	125.3 E	113	4.6	NORTHEAST OF TAIWAN.
21	07 13 51.4	38.2 N	113.1 W	29		UTAH. MAG. 4.2 (BRK).
21	09 22 58*	3.7 N	79.2 W	33	4.1	SOUTH OF PANAMA.
21	10 33 25.2	14.1 N	91.1 W	56	4.7	GUATEMALA.
21	10 36 16.0	13.7 N	91.2 W	69	4.8	NEAR COAST OF GUATEMALA.
21	11 18 26.0	4.0 N	32.9 W	33	4.6	CENTRAL MID-ATLANTIC RIDGE.
21	12 39 40.4	27.8 S	67.5 W	67	5.0	CATAMARCA PROVINCE, ARGENTINA. SEVERAL INJURED AND SOME PROPERTY DAMAGE IN BELEN.
21	15 04 44.7	7.1 S	146.0 E	179	4.9	EAST NEW GUINEA REGION.
21	16 17 04.0	39.5 N	22.0 E	56	4.7	GREECE. FELT IN CENTRAL GREECE.
21	18 45 49*	7.6 S	128.6 E	124	4.6	BANDA SEA.
21	18 53 29*	20.7 S	71.0 W	33	4.2	OFF COAST OF NORTHERN CHILE.
22	00 18 18*	6.6 N	82.3 W	33	4.2	SOUTH OF PANAMA.
22	03 03 24.0	23.1 N	94.4 E	71	5.2	BURMA-INDIA BORDER REGION.
22	03 45 03.9	6.8 S	147.6 E	59	4.8	EAST NEW GUINEA REGION.
22	05 38 25.7	41.9 N	23.4 E	32	4.6	GREECE-BULGARIA BORDER REGION.
22	07 45 51.0	10.0 N	70.7 W	57	4.4	VENEZUELA.
22	07 49 00*	9.9 N	70.7 W	18	4.4	VENEZUELA.
22	08 19 32.9	39.4 N	118.1 W	33	3.5	NEVADA. MAG. 3.4 (BRK).
22	09 35 40*	35.9 N	31.4 E	34		CYPRUS.
22	10 42 36.6	33.3 S	70.3 W	103	4.2	CHILE-ARGENTINA BORDER REGION. FELT AT SANTIAGO, CHILE.
22	12 47 18.2	55.2 N	162.0 E	59	5.5	NEAR EAST COAST OF KAMCHATKA.
22	13 14 11.4	26.3 S	27.4 E	16	4.4	REPUBLIC OF SOUTH AFRICA.
22	15 20 41.0	39.4 N	118.1 W	14	4.3	NEVADA. MAG. 3.9 (BRK).
22	15 35 33.5	39.4 N	118.1 W	11	4.0	NEVADA. MAG. 3.8 (BRK).
22	17 16 26.4	40.6 N	116.3 W	32	4.5	NEVADA. MAG. 4.9-5.2 (BRK).
22	17 30 04.2	35.3 N	141.1 E	35	4.5	NEAR EAST COAST OF HONSHU, JAPAN.
22	19 11 15.2	10.3 N	63.8 W	41	4.3	NEAR COAST OF VENEZUELA.
23	00 00 00.9	29.9 N	68.2 E	20	4.6	WEST PAKISTAN.
23	00 00 16.2	2.5 N	126.9 E	33	5.2	MOLUCCA PASSAGE.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
23	00 48 55.2	15.0 N	92.1 W	61	4.0	MEXICO-GUATEMALA BORDER REGION.
23	02 14 13.8	36.6 N	138.2 E	6	4.5	HONSHU, JAPAN. FELT IN CENTRAL HONSHU.
23	03 46 15*	11.1 S	79.1 W	32	4.6	OFF COAST OF PERU.
23	07 04 18.8	33.6 N	135.1 E	50		NEAR S. COAST OF SOUTHERN HONSHU.
23	07 09 20.3	51.0 N	159.2 E	35	5.2	OFF EAST COAST OF KAMCHATKA.
23	09 15 54.6	6.3 S	154.8 E	95	5.0	SOLOMON ISLANDS.
23	12 15 16.8	51.2 N	159.2 E	22	4.8	OFF EAST COAST OF KAMCHATKA.
23	15 32 52.6	10.8 S	79.0 W	30	5.0	OFF COAST OF PERU.
23	15 40 07.6	37.3 N	114.2 W	33		SOUTHERN NEVADA.
23	17 20 00.7	6.3 S	130.0 E	100	5.1	BANDA SEA.
23	20 44 32*	44.5 N	149.8 E	31	4.4	KURILE ISLANDS.
23	21 42 54*	44.4 N	149.7 E	56	4.3	KURILE ISLANDS.
23	22 32 41*	12.8 N	91.4 W	33	3.9	OFF COAST OF CENTRAL AMERICA.
24	06 03 19.0	39.5 N	120.2 W	33		NORTHERN CALIFORNIA.
24	11 05 38*	44.5 N	128.6 W	33	4.3	OFF COAST OF OREGON.
24	13 53 44.2	55.0 N	165.7 E	31	4.9	KOMANDORSKY ISLANDS REGION.
24	14 31 15.0	37.4 N	59.6 E	14	5.2	IRAN-USSR BORDER REGION. FELT AT MASHHAD, IRAN.
24	15 00 15.0	51.0 N	159.4 E	26	4.1	OFF EAST COAST OF KAMCHATKA.
24	15 37 26.1	30.5 S	177.2 W	25	4.6	KERMADEC ISLANDS REGION.
24	18 45 49.6	24.7 N	127.6 E	40	5.0	RYUKYU ISLANDS REGION.
25	00 26 36.3	6.7 S	147.2 E	61	5.2	EAST NEW GUINEA REGION. FELT AT LAE.
25	00 49 26*	7.7 S	128.5 E	121		BANDA SEA.
25	01 08 38*	8.1 N	103.8 W	33	4.6	OFF COAST OF MEXICO.
25	02 07 37.7	32.3 N	142.2 E	33	4.5	SOUTH OF HONSHU, JAPAN.
25	06 46 31.2	8.2 N	103.2 W	33	4.2	OFF COAST OF MEXICO.
25	07 46 30*	16.0 S	172.7 W	35	4.5	SAMOA ISLANDS REGION.
25	10 07 01.0	30.0 N	68.9 E	26	5.2	WEST PAKISTAN.
25	10 08 23*	35.4 N	139.1 E	33	4.2	NEAR S. COAST OF HONSHU, JAPAN. FELT IN CENTRAL HONSHU.
25	12 38 53*	15.9 S	176.7 W	33	4.3	FIJI ISLANDS REGION.
25	14 53 09*	10.7 S	78.8 W	51	4.5	NEAR COAST OF PERU.
25	16 39 32.9	37.3 N	114.2 W	33	4.4	SOUTHERN NEVADA. MAG. 4 3/4-5 (PAS), 4.8-5 (BRK).
25	17 11 48*	39.7 N	77.5 E	56	3.3	SOUTHERN SINKIANG PROV., CHINA.
25	18 04 09.1	36.7 N	138.2 E	13	5.3	HONSHU, JAPAN. FELT IN CENTRAL HONSHU.
25	18 41 42*	21.4 S	68.3 W	131	4.4	CHILE-BOLIVIA BORDER REGION.
25	23 16 00.3	14.6 S	167.5 E	180	4.5	NEW HEBRIDES ISLANDS.
26	05 22 57.4	42.0 N	142.6 E	58	4.4	HOKKAIDO, JAPAN REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
26	05 55 51.4	16.8 N	91.1 W	18	4.0	MEXICO-GUATEMALA BORDER REGION.
26	06 31 35*	11.2 S	165.7 E	45		SANTA CRUZ ISLANDS.
26	13 36 32*	50.4 N	129.3 W	41	4.3	VANCOUVER ISLAND REGION.
26	15 17 38.6	37.3 N	114.2 W	14	4.3	SOUTHERN NEVADA. MAG. 4 3/4 (PAS), 5-5.2 (BRK).
26	16 31 10.7	37.3 N	114.3 W	33		SOUTHERN NEVADA.
26	17 59 40*	25.8 N	109.7 W	26	4.3	GULF OF CALIFORNIA.
26	18 28 53.9	18.4 S	167.6 E	34	5.4	NEW HEBRIDES ISLANDS. MAG. 5-5.4 (BRK). FELT AT PORT VILA.
26	18 28 59.2	4.2 S	152.9 E	68	4.8	NEW BRITAIN REGION. FELT AT RABAUL.
26	19 31 28.0	35.1 N	27.0 E	44		DODECANESE ISLANDS.
26	20 09 36.9	13.6 N	121.2 E	55	5.0	MINDORO, PHILIPPINE ISLANDS. FELT AT CALAPAN.
26	20 43 15.8	15.2 N	90.6 W	20	4.4	GUATEMALA.
26	20 59 04*	58.8 N	149.4 W	33	4.0	GULF OF ALASKA.
26	21 07 42.5	13.8 N	91.3 W	40	4.3	NEAR COAST OF GUATEMALA.
27	00 16 52*	15.5 S	76.1 W	10	4.1	OFF COAST OF PERU.
27	01 45 20*	54.4 S	39.0 W	33	4.7	SOUTH GEORGIA ISLAND REGION.
27	02 27 49.6	14.1 N	145.2 E	124	5.2	MARIANA ISLANDS.
27	05 57 57.7	73.4 N	54.9 E	0	6.3	NOVAYA ZEMLYA. MAG. 5.8-6 (BRK), 5-5 1/4 (PAL).
27	06 54 43.2	18.9 N	145.4 E	237	4.7	MARIANA ISLANDS.
27	09 18 14.4	20.2 N	145.7 E	107	5.4	MARIANA ISLANDS. MAG. 4.1-4.5 (BRK).
27	10 07 39.5	15.1 S	72.1 W	130	4.2	SOUTHERN PERU.
27	12 06 02.2	35.8 N	120.6 W	17	4.2	CENTRAL CALIFORNIA. MAG. 4.2 (PAS), 3.8 (BRK).
27	12 08 34.1	10.0 S	79.5 W	33	5.0	OFF COAST OF PERU. MAG. 4 3/4-5 (PAL).
27	12 37 46*	37.4 N	114.2 W	33		SOUTHERN NEVADA.
27	14 21 04.7	22.1 N	145.9 E	28	6.0	NORTH PACIFIC OCEAN. MAG. 6-o 1/4 (PAS), 5.8-6.2 (BRK).
27	17 15 11*	43.2 N	111.0 W	33	3.7	EASTERN IDAHO.
27	17 33 00*	23.9 N	93.8 E	47	4.5	BURMA-INDIA BORDER REGION.
27	17 49 35.7	29.5 N	142.1 E	33	4.8	SOUTH OF HONSHU, JAPAN.
27	22 26 20.7	7.4 S	146.8 E	135	5.3	EAST NEW GUINEA REGION.
27	23 46 47.6	41.6 N	142.0 E	71	5.3	HOKKAIDO, JAPAN REGION.
28	01 41 19.2	9.7 S	159.8 E	36	5.6	SOLOMON ISLANDS. FELT AT HONIARA.
28	05 04 01.5	37.3 N	114.2 W	23	4.3	SOUTHERN NEVADA. MAG. 4.0 (BRK).
28	06 30 44.4	37.3 N	114.2 W	24	4.3	SOUTHERN NEVADA.
28	09 24 23*	25.7 N	110.0 W	33	3.9	GULF OF CALIFORNIA.
28	10 56 04*	44.6 N	101.7 E	33	4.6	MONGOLIA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
28	13 20 29.8	35.8 N	140.1 E	74	5.2	NEAR EAST COAST OF HONSHU, JAPAN. FELT IN CENTRAL HONSHU.
28	17 35 07.5	51.1 N	159.2 E	32	4.6	OFF EAST COAST OF KAMCHATKA.
28	18 41 06*	14.6 N	93.2 W	23	4.5	NEAR COAST OF CHIAPAS, MEXICO.
28	22 11 47.9	20.1 S	168.8 E	20	5.3	LOYALTY ISLANDS. MAG. 4.8-5.2 (BRK).
28	23 24 14.4	22.6 S	170.9 E	26	4.9	LOYALTY ISLANDS REGION.
28	23 54 00.3	20.0 S	168.2 E	33	4.6	LOYALTY ISLANDS.
29	00 45 40.8	51.1 N	159.1 E	43	4.9	OFF EAST COAST OF KAMCHATKA.
29	00 56 37.3	20.1 S	168.8 E	33	4.2	LOYALTY ISLANDS.
29	02 39 26.0	38.9 N	21.1 E	8	5.8	GREECE. 1 KILLED, 43 INJURED AND MAJOR PROPERTY DAMAGE IN ACARNANIA PROVINCE. FISSURE 2 KM. LONG IN AMPHILOCHIA.
29	04 35 54*	37.3 N	114.2 W	33		SOUTHERN NEVADA.
29	04 45 36*	10.9 S	77.6 W	27	4.3	NEAR COAST OF PERU.
29	05 10 07*	1.5 S	29.7 E	33		LAKE TANGANYIKA REGION.
29	05 11 26*	22.0 S	179.5 W	600	4.0	SOUTH OF FIJI ISLANDS.
29	05 47 55.6	42.3 N	144.1 E	30	4.6	HOKKAIDO, JAPAN REGION.
29	06 30 21.9	41.8 N	144.0 E	32	4.7	HOKKAIDO, JAPAN REGION.
29	07 08 31.1	6.7 S	155.6 E	100	4.9	SOLOMON ISLANDS.
29	08 59 36.8	27.6 N	65.7 E	34	5.2	WEST PAKISTAN.
29	10 38 29.1	20.2 S	168.5 E	18	4.3	LOYALTY ISLANDS.
29	10 58 10.9	24.3 S	67.1 W	175	4.1	CHILE-ARGENTINA BORDER REGION.
29	11 06 18.6	0.2 N	121.8 E	215	4.8	NORTHERN CELEBES.
29	12 13 05.7	34.9 N	27.8 E	52	4.8	EASTERN MEDITERRANEAN SEA.
29	13 17 58.0	20.8 S	69.4 W	102	4.2	NORTHERN CHILE.
29	14 21 51*	12.9 N	89.3 W	68	4.1	OFF COAST OF CENTRAL AMERICA.
29	14 32 40.9	41.8 N	144.1 E	35	5.2	HOKKAIDO, JAPAN REGION.
29	14 46 54.8	36.9 N	70.0 E	45	4.9	HINDU KUSH REGION.
29	15 32 20.2	10.7 S	78.9 W	30	5.0	NEAR COAST OF PERU.
29	15 42 12.2	10.7 S	79.0 W	30	4.7	OFF COAST OF PERU.
29	16 11 03*	20.2 S	168.5 E	44	4.6	LOYALTY ISLANDS.
29	17 50 59.6	38.9 N	20.9 E	15	4.3	GREECE. FELT IN ACARNANIA PROVINCE.
29	20 16 25*	14.2 S	26.0 E	33	3.9	ZAMBIA.
29	22 35 27*	7.7 S	156.6 E	115		SOLOMON ISLANDS.
30	00 02 30.8	20.9 S	176.3 W	250	4.5	FIJI ISLANDS REGION.
30	01 51 59*	28.1 S	70.4 W	36	3.9	CENTRAL CHILE.
30	02 10 15.3	39.0 N	21.8 E	33	4.5	GREECE. FELT AT MESOLONGHI, LEUKAS, AND ASTAKOS.
30	05 05 34.7	3.6 S	30.1 E	33	4.9	LAKE TANGANYIKA REGION.
30	05 43 52.4	22.4 S	63.9 W	21	4.8	SALTA PROVINCE, ARGENTINA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
30	07 24 43*	20.9 S	176.8 W	447	3.5	FIJI ISLANDS REGION.
30	09 50 15.5	21.3 S	178.8 W	503	4.4	FIJI ISLANDS REGION.
30	12 26 10*	0.4 S	129.3 E	33	4.6	HALMAHERA.
30	15 20 33.3	50.6 N	178.7 E	13	4.6	RAT ISLANDS, ALEUTIAN ISLANDS.
30	17 39 48.5	42.7 N	45.9 E	33	4.8	EASTERN CAUCASUS.
30	19 04 18.1	35.6 N	140.4 E	79	4.7	NEAR EAST COAST OF HONSHU, JAPAN.
30	22 20 07*	30.8 N	113.5 W	30	4.6	GULF OF CALIFORNIA. MAG. 4 3/4 (PAS).
30	22 22 46.4	31.4 S	179.2 W	211	4.7	KERMADEC ISLANDS.
30	23 57 13.2	50.6 N	178.8 E	33	4.6	RAT ISLANDS, ALEUTIAN ISLANDS.
31	02 00 23*	21.9 S	169.8 E	33		LOYALTY ISLANDS REGION.
31	02 59 03.2	19.9 S	71.2 W	26	4.2	OFF COAST OF NORTHERN CHILE.
31	05 11 58.4	19.4 N	67.7 W	20	4.3	MONA PASSAGE.
31	06 46 41.6	19.5 N	67.7 W	33	4.1	MONA PASSAGE.
31	08 20 32.0	37.2 S	94.3 W	33	4.3	WEST CHILE RISE.
31	09 09 23.7	52.7 S	18.6 E	33	5.3	SOUTHWEST OF AFRICA.
31	13 36 58*	29.8 N	141.9 E	33	4.3	SOUTH OF HONSHU, JAPAN.
31	14 54 00*	7.3 S	129.1 E	107	4.7	BANDA SEA.
31	17 18 16.8	37.3 N	114.2 W	33	4.7	SOUTHERN NEVADA. MAG. 4 3/4 (PAS), 4.3 (BRK).
31	18 23 51.6	19.2 N	67.8 W	34	4.8	MONA PASSAGE.
31	20 00 48.9	55.7 N	164.1 E	33	4.6	KOMANDORSKY ISLANDS REGION.
31	22 24 19.7	36.4 N	71.0 E	146	4.7	AFGHANISTAN-USSR BORDER REGION.

Date and Station	Phase (GCT)
	h m s
OCT 1	
ADK EP	00 10 25.5
OCT 1	
BOZ E(P)	02 44 03.0
E	44 54.0
OCT 1	
H-02 57 57.7	
38.1N 118.3W	
h ABOUT 33KM	
EUR EP	02 58 33.0
I	58 34.3
SLD IP D	02 58 40.2
IS	59 13.3
BCN E(P)	02 58 52.1
I	58 57.9
IL	59 45.5
GCA E(P)	02 59 21.5
BMO EPN	02 59 38.8
TUC (PN)	02 59 59.0
NEW EP	03 00 25.0
OCT 1	
H-03 56 50.9	
18.5S 172.1W	
h ABOUT 45KM	
BMO E(P)	04 08 58.0
COL IP	04 09 21.7
OCT 1	
ALQ IP	05 21 39.8
TUC EP	05 22 46.2
EUR E(P)	05 23 24.4
E	24 55.0
OCT 1	
H-05 46 29.5	
10.9S 162.1E	
h ABOUT 30KM	
COL EP	05 58 59.0
EUR IP	05 59 32.1
BMO E(P)	05 59 32.7
OCT 1	
COL E(P)	05 47 29.0
OCT 1	
H-06 12 31.4	
15.6S 172.6W	
h ABOUT 33KM	
EUR EP	06 24 17.7
BMO EP	06 24 29.7
COL EP	06 24 49.0

Date and Station	Phase (GCT)
	h m s
OCT 1	
H-07 07 48.5	
37.4N 114.2W	
h ABOUT 33KM	
BCN EP D	07 08 13.9
ES	08 34.3
GCA IP C	07 08 24.0
EUR EP C	07 08 28.0
EL	09 06.2
ALQ E(P)	07 09 36.5
OCT 1	
H-07 38 30.2	
34.7N 071.0E	
h ABOUT 36KM	
COL IP	07 50 15.5
OCT 1	
BCN EP	08 51 01.1
ES	51 21.0
GCA EP	08 51 11.5
EUR IP D	08 51 15.4
EL	52 00.0
OCT 1	
H-10 05 13.6	
24.5S 179.1W	
h ABOUT 368KM	
TUC EP	10 17 16.1
EUR EP	10 17 17.9
BMO EP	10 17 28.6
COL E(P)	10 17 42.0
OCT 1	
H-10 36 21.3	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	10 36 45.6
IS	37 05.8
GCA EP	10 36 55.5
I	36 57.0
EUR IP	10 37 01.3
TUC EPN	10 37 46.2
EL	39 22.0
ALQ IP	10 38 01.2
SLD E(P)	10 38 07.0
ES	39 17.3
BOZ E(P)	10 38 31.0
OCT 1	
BCN EP	10 40 53.9
ES	41 12.4
GCA EP	10 41 03.8

Date and Station	Phase (GCT)
	h m s
EUR EPN	10 41 10.9
IPG	41 17.9
IS	41 39.5
OCT 1	
COL EP	11 22 44.0
OCT 1	
BMO E(P)	12 36 15.4
OCT 1	
COL EP	12 42 07.0
OCT 1	
SJG EP	14 54 42.0
IS	55 15.5
OCT 1	
TUC EP	17 00 29.0
EUR EP	17 00 29.4
OCT 1	
GUA IP	17 57 00.0
IS	57 17.0
OCT 1	
EUR IP	18 07 21.0
BMO E(P)	18 07 54.8
E	09 13.7
OCT 1	
H-19 23 11.0	
30.0N 114.2W	
h ABOUT 32KM	
TUC E(P)	19 24 07.6
EL	25 00.0
BCN E(P)	19 24 40.0
E	26 06.4
EUR E(P)	19 25 29.7
EL	27 55.4
OCT 1	
H-23 07 17.7	
23.2S 066.8W	
h ABOUT 196KM	
BMO EP	23 19 16.4
E	20 10.3
OCT 2	
H-02 24 53.1	
43.7N 125.1E	
h ABOUT 7KM	
COL EP	02 33 51.0
NEW EP	02 36 26.0
BMO EP	02 36 41.5
BOZ E(P)	02 36 51.5
EUR IP	02 37 08.8
OCT 2	
ALQ EP	02 26 16.2
OCT 2	
NEW EP	03 01 54.0

Date and Station	Phase (GCT)
	h m s
OCT 2	
GCA IP	03 19 57.3
IS	20 17.3
EUR EP	03 20 18.2
EL	21 08.0
OCT 2	
H-04 31 49.5	
24.4N 094.8E	
h ABOUT 84KM	
COL E(P)	04 43 46.2
OCT 2	
H-05 12 34.5	
34.0N 118.3W	
h ABOUT 2KM	
BCN EP	05 13 29.1
EL	14 24.6
SLD EP D	05 13 35.0
IS	14 21.7
TUC E(P)	05 14 16.4
ALQ E(P)	05 15 12.0
OCT 2	
SJG IP	05 33 40.5
IS	34 07.4
OCT 2	
EUR EP	06 04 19.8
OCT 2	
BCN EP	06 08 09.5
IS	08 28.6
GCA EP	06 08 20.5
TUC E(P)	06 09 09.5
OCT 2	
EUR EP	06 50 25.2
OCT 2	
H-07 23 38.1	
51.6N 174.6W	
h ABOUT 58KM	
ADK IP	07 23 58.4
COL EP	07 27 56.5
I	28 03.2
NEW IP	07 30 37.4
E	36 44.0
BMO EP	07 30 50.6
HHM EP	07 30 55.1
BOZ IP	07 31 15.5
ES	37 26.0
SLD E(P)	07 31 15.9
E	33 25.8
EUR EP C	07 31 22.6
I▸P	31 34.6
ES	37 26.0

Date and Station	Phase	(GCT) h m s
BCN	E(P)	07 31 45.3
	E▸P	31 59.7
FGU	EP	07 31 49.2
TUC	E(P)	07 32 23.5
	E▸P	32 39.0
ALQ	EP	07 32 35.5
SJG	EP	07 36 20.0
	ES	46 54.0
OCT 2		
ADK	IP	07 30 46.6
	IS	31 04.8
	I	32 10.0
OCT 2		
ADK	IP	07 59 19.5
	IS	59 37.7
OCT 2		
ADK	IP	08 02 09.3
	IS	02 28.0
OCT 2		
COL	EP	08 04 34.9
OCT 2		
ADK	IP	08 09 24.5
	IS	09 42.5
EUR	E(P)	08 16 52.0
OCT 2		
COL	E(P)	08 54 05.2
OCT 2		
ADK	IP	09 08 29.2
	IS	08 47.3
EUR	E(P)	09 15 56.5
OCT 2		
ADK	EP	09 15 11.5
	IS	15 29.5
OCT 2		
BOZ	E(P)	09 16 43.7
OCT 2		
ADK	IP	09 19 08.7
	IS	19 27.0
OCT 2		
ADK	IP	09 22 31.3
	IS	22 49.4
OCT 2		
ADK	IP	09 27 07.6
	IS	27 25.5
OCT 2		
ADK	IP	09 44 52.5
	IS	45 10.7
OCT 2		
ADK	IP	10 11 21.5
	IS	11 40.0
OCT 2		
EUR	E(P)	11 00 02.3
	E	01 20.7

Date and Station	Phase	(GCT) h m s
OCT 2		
H-11 20 41.9		
36.7N 140.9E		
h ABOUT 50KM		
COL	EP	11 29 30.0
BMO	EP	11 32 04.3
BOZ	EP	11 32 20.7
EUR	IP	11 32 28.6
OCT 2		
H-11 21 44.8		
45.7N 026.5E		
h ABOUT 140KM		
COL	EP	11 32 40.1
	E▸P	33 14.0
HHM	EP	11 33 41.1
	E(▸P)	34 15.1
NEW	EP	11 33 47.0
	E▸P	34 21.0
BMO	E(P)	11 34 01.3
	E▸P	34 37.3
EUR	EP	11 34 24.5
	E▸P	34 59.6
SLD	EP	11 34 43.0
	E▸P	35 19.7
TUC	E(P)	11 34 45.0
	E▸P	35 20.5
OCT 2		
H-12 08 00.4		
51.6N 174.6W		
h ABOUT 50KM		
ADK	IP	12 08 22.4
COL	EP	12 12 22.0
NEW	EP	12 15 01.0
BMO	EP	12 15 14.2
	E▸P	15 27.7
HHM	EP	12 15 16.6
BOZ	EP	12 15 39.5
	E	15 53.0
SLD	E(P)	12 15 43.1
EUR	IP	12 15 46.2
BCN	E(P)	12 15 53.1
TUC	E(P)	12 16 47.8
OCT 2		
ADK	IP	12 22 02.2
	IS	22 20.0
OCT 2		
ADK	IP	12 22 37.5
	IS	22 55.2

Date and Station	Phase	(GCT) h m s
OCT 2		
ADK	IP	12 23 06.5
	IS	23 25.0
OCT 2		
H-12 22 24.5		
13.4N 092.3W		
h ABOUT 39KM		
EUR	EP	12 29 02.3
OCT 2		
COL	EP	12 45 00.7
OCT 2		
ADK	IP	13 06 08.4
	IS	06 26.7
OCT 2		
ADK	IP	13 19 02.1
	IS	19 20.9
OCT 2		
ADK	IP	14 31 22.8
	IS	31 40.7
OCT 2		
H-14 43 37.4		
51.5N 174.6W		
h ABOUT 42KM		
ADK	IP	14 43 59.0
	IS	44 16.7
COL	EP	14 48 01.0
NEW	EP	14 50 38.0
BMO	E(P)	14 50 54.0
BOZ	EP	14 51 13.5
EUR	EP	14 51 24.1
OCT 2		
ADK	IP	14 51 11.0
	IS	51 29.0
OCT 2		
H-15 39 41.2		
37.3N 114.2W		
h ABOUT 33KM		
BCN	IP D	15 40 05.5
	IS	40 24.5
LVN	E(P)	15 40 11.5
EUR	IP	15 40 21.0
SLC	E(P)	15 40 44.4
	I	40 53.9
FGU	IP	15 40 59.5
	ELG	42 20.0
TUC	EPN	15 41 06.0
	EL	42 38.0
ALQ	IP	15 41 19.0
BMO	EPN	15 41 36.5

Date and Station	Phase	(GCT) h m s
BUT	E(P)	15 42 01.5
	E	44 09.0
OCT 2		
BCN	IP	15 43 25.6
	IS	43 44.5
GCA	IP	15 43 36.3
OCT 2		
ADK	IP	15 46 23.1
	IS	46 41.4
OCT 2		
BOZ	E(P)	15 53 40.7
OCT 2		
EUR	EP	16 17 40.8
	ES	18 15.5
OCT 2		
FGU	IP	16 19 40.5
	I(S)	19 51.6
OCT 2		
GCA	EP	16 20 55.0
EUR	EP	16 21 00.4
	EL	21 40.0
OCT 2		
BCN	EP	16 22 21.3
	IS	22 40.6
GCA	IP	16 22 31.8
OCT 2		
H-16 43 45.0		
52.3N 173.1W		
h ABOUT 33KM		
ADK	IP	16 44 20.5
	IS	44 46.0
COL	EP	16 47 55.0
NEW	EP	16 50 38.0
BOZ	EP	16 51 19.8
	E▸P	51 30.0
EUR	EP	16 51 25.4
OCT 2		
ADK	IP	16 50 27.5
	IS	50 27.5
OCT 2		
H-16 57 07.5		
51.7N 174.5W		
h ABOUT 44KM		
ADK	IP	16 57 29.9
	IS	57 37.5
COL	EP	17 01 28.4
BOZ	E(P)	17 05 47.0
OCT 2		
ADK	IP	17 01 53.2
	IS	02 12.0

Date and Station	Phase (GCT)
	h m s
OCT 2	
GUA EP	17 32 24.0
ES	39 33.0
OCT 2	
COL EP	18 56 32.0
OCT 2	
ADK EP	19 09 25.5
IS	09 49.8
OCT 2	
ADK IP	19 18 05.2
IS	18 22.7
OCT 2	
H-19 42 06.8	
53.7S 141.2E	
h ABOUT 14KM	
EUR IP'	20 01 18.9
BOZ EP'	20 01 26.5
OCT 2	
ADK IP	21 53 37.0
IS	53 55.7
OCT 2	
H-21 54 00.0	
11.9N 143.3E	
h ABOUT 42KM	
GUA IP	21 54 35.0
IS	55 05.0
COL EP	22 05 09.4
E	05 15.5
NEW EP	22 06 44.0
BMO IP	22 06 48.8
EUR IP	22 07 01.0
BOZ EP	22 07 05.5
OCT 2	
GUA EP	22 04 27.0
IS	04 41.0
COL EP	22 15 01.5
BMO EP	22 16 40.6
BOZ E(P)	22 16 55.5
OCT 2	
ALQ IP	22 30 50.4
I	30 58.5
OCT 2	
SJG EP	23 51 39.5
IS	52 01.9
OCT 3	
ADK IP	00 51 21.9
IS	51 30.0
OCT 3	
ADK E(P)	01 21 30.7
COL E(P)	01 25 18.5
EUR E(P)	01 28 48.0
E	29 08.5
OCT 3	
BCN EP	01 31 28.4
IS	31 48.7
EUR EP	01 31 43.7
E(S)	32 17.0
OCT 3	
COL EP	01 57 03.0
OCT 3	
H-02 26 02.3	
37.4N 104.1W	
h ABOUT 10KM	
ALQ IP	02 26 52.2
GCA EP	02 27 34.1
I	27 53.1
IL	29 05.8
RCD E(P)	02 27 37.0
E	28 06.0
EL	29 34.0
TUC E(P)	02 27 55.0
EPG	28 18.5
EL	29 52.5
EUR E(P)	02 28 23.7
EL	30 54.2
BCN EP	02 28 44.0
E(S)	29 59.2
IL	30 34.4
LVN EP	02 28 57.2
ILG	30 56.8
BOZ EP	02 28 27.0
ELG	31 31.5
BUT E(P)	02 29 24.0
ELG	31 43.5
HHM E(P)	02 29 03.1
ELG	32 58.6
OCT 3	
H-04 03 33.8	
18.0S 178.1W	
h ABOUT 546KM	
EUR EP	04 14 54.7
BMO EP	04 15 04.5
COL IP	04 15 15.9
BOZ EP	04 15 23.5
OCT 3	
GCA EP	04 31 14.5
EUR EPN	04 31 18.4
IPG	31 23.9
ILG	31 56.6
ALQ E(P)	04 32 21.5
OCT 3	
COL EP	04 36 30.0
OCT 3	
H-05 24 13.0	
60.4S 026.6W	
h ABOUT 33KM	
BMO EP'	05 43 16.6
OCT 3	
ADK EP	06 19 18.7
IS	19 47.5
EUR EP	06 26 58.0
OCT 3	
EUR EP	06 34 41.3
ES	35 22.0
OCT 3	
EUR E(P)	07 54 24.1
EL	55 12.0
OCT 3	
FGU IP C	08 37 16.2
I(S)	37 25.2
ILG	37 27.4
OCT 3	
GCA EP	09 16 25.0
ES	16 44.2
OCT 3	
COL EP	09 40 51.0
OCT 3	
H-11 05 32.3	
25.2N 142.0E	
h ABOUT 33KM	
COL EP	11 15 31.2
BMO EP	11 17 39.0
EUR E(P)	11 17 56.3
OCT 3	
EUR EP	14 27 28.0
OCT 3	
BCN EP	14 31 03.7
IS	31 23.0
OCT 3	
H-15 03 36.2	
33.2S 078.2E	
h ABOUT 33KM	
SJG EP'	15 23 11.8
OCT 3	
HHM EP	15 24 23.1
OCT 3	
H-16 03 50.9	
35.8N 111.6W	
h ABOUT 34KM	
GCA IP D	16 04 10.2
IS	04 25.8
BCN E(P)	16 04 32.4
I	04 37.6
ILG	05 09.8
TUC EPN	16 04 44.0
EL	05 38.0
EUR IP	16 05 06.2
FGU IP	16 05 12.8
ILG	06 33.5
OCT 3	
GCA E(P)	16 48 24.0
IS	48 48.0
EUR IP	16 48 26.1
IS	48 58.9
OCT 3	
H-17 05 09.7	
35.7N 053.3E	
h ABOUT 33KM	
COL IP	17 17 10.5
NEW EP	17 18 36.0
OCT 3	
EUR IP	17 27 22.7
OCT 3	
KIP EP	21 27 25.0
OCT 3	
SJG EP	22 08 30.5
OCT 3	
BOZ EP	22 10 48.5
EL	10 57.5
OCT 3	
BOZ EP	23 29 39.2
OCT 4	
H-01 44 27.5	
11.1S 162.3E	
h ABOUT 10KM	
COL EP	01 57 03.2
EUR IP	01 57 32.8
BMO EP	01 57 33.5
NEW EP	01 57 37.0
OCT 4	
KIP IP	01 53 57.1
OCT 4	
BOZ E(P)	02 34 08.5
BMO E(P)	02 35 05.7
OCT 4	
GUA IP	03 53 15.0
IS	53 29.0
OCT 4	
ADK IP	04 08 58.7
IS	09 13.0

Date and Station	Phase	(GCT) h m s
OCT 4		
H-04 32 40.5		
52.5N 169.1W		
h ABOUT 49KM		
ADK	IP	04 33 49.1
	IS	34 53.2
COL	EP	04 36 30.5
	E	36 49.0
NEW	EP	04 39 13.0
BOZ	EP	04 39 49.5
EUR	E(P)	04 39 51.6
BCN	E(P)	04 40 23.2
TUC	E(P)	04 41 01.7
OCT 4		
BMO	E(P)	04 41 58.9
OCT 4		
H-07 22 55.0		
11.9N 142.1E		
h ABOUT 50KM		
GUA	IP	07 23 43.0
	IS	24 15.0
NEW	IP	07 35 41.8
SLD	EP	07 35 42.3
BMO	IP	07 35 46.0
EUR	IP	07 35 58.0
BOZ	EP	07 36 02.5
OCT 4		
ADK	IP	07 42 32.3
	IS	42 50.0
OCT 4		
BCN	E(P)	08 54 18.2
OCT 4		
CED	IP	09 17 33.8
	IS	17 54.5
BCN	E(P)	09 18 16.5
EUR	EP	09 18 47.1
OCT 4		
SJG	EP	09 23 07.0
OCT 4		
BMO	EP	09 40 05.7
OCT 4		
SLD	E(P)	10 07 25.7
OCT 4		
NEW	EP	11 01 24.0
OCT 4		
EUR	EP	11 36 14.5
OCT 4		
COL	E(P)	11 50 59.2
OCT 4		
ALQ	EP	13 36 23.0
OCT 4		
COL	E(P)	14 05 59.1
OCT 4		
H-15 34 36.0		
41.6N 110.6W		
h ABOUT 0KM		
FGU	IP C	15 34 57.8
	I	34 59.8
	IS	35 17.6
	ILG	35 18.6
BOZ	EP	15 35 41.0
EUR	IP	15 35 49.0
OCT 4		
H-15 59 22.5		
53.7S 140.5E		
h ABOUT 33KM		
EUR	EP'	16 18 31.0
OCT 4		
BOZ	E(P)	17 07 32.0
OCT 4		
EUR	EP	18 03 12.8
OCT 4		
BOZ	EP	18 23 00.0
	EL	24 09.0
OCT 4		
H-18 30 13.2		
37.3N 114.2W		
h ABOUT 33KM		
BCN	EP	18 30 37.5
	IS	30 56.3
LVN	E(P)	18 30 41.0
EUR	EP	18 30 53.0
TUC	E(P)	18 31 37.5
	EL	33 12.5
OCT 4		
ADK	IP	18 42 01.6
	IS	42 18.5
OCT 4		
ALQ	EP	19 00 29.3
OCT 4		
BCN	EP	20 18 16.1
OCT 4		
BOZ	EP	20 44 57.5
	EL	45 09.5
OCT 4		
TUC	EP	21 10 12.0
ALQ	EP	21 10 39.7
EUR	EP	21 10 41.4
BMO	E(P)	21 11 09.2
BOZ	E(P)	21 11 24.8
COL	E(P)	21 12 45.5
OCT 4		
BCN	E(P)	21 25 56.6
	E	25 09.6
OCT 4		
BOZ	EP	21 43 57.5
	EL	44 09.3
OCT 4		
SJG	EP	22 44 41.5
	IS	45 16.5
OCT 4		
BOZ	EP	22 51 35.5
	EL	51 46.5
OCT 4		
BOZ	E(P)	22 57 02.0
OCT 4		
BCN	E(P)	23 27 44.6
OCT 4		
H-23 37 34.7		
26.1S 179.5E		
h ABOUT 489KM		
TUC	EP	23 49 35.0
EUR	E(P)	23 49 36.5
OCT 5		
SJG	EP	00 33 33.6
	IS	34 51.0
OCT 5		
KIP	EP	01 54 48.0
OCT 5		
ADK	EP	02 19 16.5
	IS	19 47.8
OCT 5		
H-02 59 58.5		
52.3N 173.9W		
h ABOUT 78KM		
ADK	IP	03 00 28.0
	IS	00 48.5
COL	EP	03 04 09.0
	I	04 11.0
NEW	IP	03 06 51.3
BMO	IP	03 07 05.1
HHM	EP	03 07 07.2
	E	09 23.2
BOZ	IP C	03 07 29.0
	I▸P	07 48.5
	E▸P	07 56.0
	EPCP	09 31.5
EUR	IP C	03 07 37.8
	EPCP	09 34.0
TUC	EP	03 08 39.7
	E▸P	08 59.0
OCT 5		
EUR	EP	04 46 34.4
	ES	47 15.0
OCT 5		
H-05 25 41.0		
12.3S 167.1E		
h ABOUT 245KM		
COL	IP	05 37 44.2
BCN	EP	05 38 03.8
	E▸P	39 06.8
EUR	IP C	05 38 04.2
	I▸P	04 39 05.2
BMO	IP	05 38 07.4
NEW	IP	05 38 12.4
TUC	EP	05 38 14.5
HHM	EP	05 38 22.2
OCT 5		
BCN	E(P)	05 55 58.1
OCT 5		
BCN	E(P)	06 59 15.3
OCT 5		
ADK	IP	06 59 19.6
	IS	59 45.0
OCT 5		
H-08 09 48.7		
20.7S 067.0W		
h ABOUT 246KM		
BMO	E(P)	08 21 31.0
OCT 5		
BOZ	E(P)	08 20 35.0
OCT 5		
H-08 34 37.5		
00.2N 029.8E		
h ABOUT 8KM		
BOZ	EP'	08 53 38.0
	E	53 45.0
	EPP	55 07.0
BMO	EP'	08 53 43.0
EUR	EP'	08 53 50.5
	E	53 58.5
TUC	EP'	08 53 53.1
	E	54 01.5
BCN	EP'	08 53 55.4
OCT 5		
EUR	E(P)	09 10 08.0
	ES	10 48.5
OCT 5		
H-10 06 11.7		
20.3S 175.8W		
h ABOUT 225KM		

Date and Station	Phase (GCT)
	h m s
BMO EP	10 18 13.8
E▸P	19 09.1
COL EP	10 18 32.7
E▸P	19 30.0
BCN E▸P	10 18 54.6
TUC E▸P	10 18 59.0
EUR E(P)	10 18 06.0
E▸P	19 01.0
OCT 5	
TUC E(P)	10 57 34.5
OCT 5	
CED IP	12 30 02.7
IS	12 30 12.0
BCN IP	12 30 23.0
IS	30 54.3
EUR EP	12 31 06.7
ILG	32 31.2
TUC E(P)	12 31 23.4
OCT 5	
EUR EP	13 50 07.0
ES	50 44.0
OCT 5	
H-14 00 27.5	
10.8S 162.4E	
h ABOUT 83KM	
COL IP	14 12 49.7
EUR EP	14 13 22.3
E▸P	13 42.6
OCT 5	
COL E(P)	15 59 20.2
OCT 5	
EUR EP	16 42 16.2
OCT 5	
EUR E(P)	17 04 45.2
OCT 5	
H-17 53 24.8	
21.8S 068.7W	
h ABOUT 114KM	
ALQ E(P)	18 04 06.5
TUC E(P)	18 04 09.0
EUR EP	18 04 57.5
BOZ EP	18 05 10.5
E▸P	05 39.5
BMO EP	18 05 22.1
OCT 5	
BOZ EP	18 10 12.0
EL	10 23.5
OCT 5	
BOZ EP	18 44 24.5
EL	44 36.5

Date and Station	Phase (GCT)
	h m s
OCT 5	
GUA IP	18 55 09.0
IS	55 16.0
OCT 5	
BMO E(P)	19 47 46.7
COL EP	19 48 10.0
OCT 5	
EUR E(P)	20 03 31.0
OCT 5	
GUA EP	20 16 11.0
IS	16 41.0
OCT 5	
H-20 32 33.4	
2.4S 138.6E	
h ABOUT 16KM	
COL EP	20 45 09.0
OCT 5	
GUA EP	20 38 38.0
IS	38 57.0
OCT 5	
H-20 47 58.6	
10.6S 161.1E	
h ABOUT 42KM	
COL EP	21 00 28.6
EUR EP	21 01 01.3
OCT 5	
GUA EP	21 01 04.0
IS	01 21.0
OCT 5	
BOZ EP	21 54 44.5
EL	54 55.0
OCT 5	
BOZ EP	22 15 09.5
EL	15 17.9
OCT 5	
GUA IP	22 20 53.0
IS	21 13.0
OCT 5	
ALQ EP	22 29 46.0
OCT 5	
NEW EP	22 33 10.0
OCT 5	
KIP IP	22 33 42.8
OCT 5	
H-23 09 05.0	
7.8S 155.5E	
h ABOUT 34KM	
COL E(P)	23 21 32.0
EUR EP	23 22 14.6
OCT 5	
COL EP	23 22 08.0

Date and Station	Phase (GCT)
	h m s
OCT 5	
H-23 23 53.0	
52.8S 028.2E	
h ABOUT 33KM	
BCN EP'	23 43 36.5
EUR EP'	23 43 43.5
OCT 5	
COL EP	23 32 08.0
OCT 5	
H-23 38 21.5	
23.4S 069.4W	
h ABOUT 47KM	
ALQ EP	23 49 19.1
EPCP	49 49.0
EUR EP	23 50 01.9
BMO E(P)	23 50 31.9
E	51 03.7
OCT 6	
KIP EP	01 52 49.0
OCT 6	
EUR E(P)	02 43 40.0
OCT 6	
H-03 11 03.5	
06.2S 146.4E	
h ABOUT 113KM	
COL IP	03 23 29.0
BMO EP	03 24 31.9
NEW EP	03 24 32.0
E▸P	25 12.0
EUR IP	03 24 37.1
OCT 6	
ALQ IP	06 30 27.7
OCT 6	
COL EP	09 18 56.0
OCT 6	
EUR E(P)	09 42 56.8
OCT 6	
EUR E(P)	09 47 43.3
TUC E(P)	09 47 43.6
OCT 6	
BOZ E(P)	11 28 32.5
E	28 49.0
BMO EP	11 29 03.1
EUR EP	11 29 06.8
OCT 6	
BOZ E(P)	12 00 25.5
E	00 46.5

Date and Station	Phase (GCT)
	h m s
OCT 6	
H-13 14 43.1	
12.2N 144.0E	
h ABOUT 28KM	
GUA IP	13 15 09.8
ES	15 29.0
COL E(P)	13 25 52.5
NEW EP	13 27 26.0
EUR IP	13 27 42.2
OCT 6	
EUR EP	13 38 57.1
BMO E(P)	13 39 28.2
NEW EP	13 39 47.0
OCT 6	
H-13 48 31.8	
51.4N 159.5E	
h ABOUT 22KM	
BMO E(P)	13 57 49.2
EUR IP	13 58 20.8
OCT 6	
COL EP	13 53 52.0
NEW EP	13 58 11.0
OCT 6	
H-14 10 37.4	
04.7N 125.7E	
h ABOUT 153KM	
COL EP	14 22 52.0
OCT 6	
EUR IP	14 40 14.5
OCT 6	
SJG IP	15 08 02.2
IS	08 20.5
OCT 6	
BMO EP	16 10 52.0
OCT 6	
BMO IP	16 25 11.7
OCT 6	
BMO E(P)	18 41 29.3
OCT 6	
BOZ EP	21 55 02.5
EL	55 11.5
OCT 6	
COL EP	22 43 28.0
IS	44 14.6
NEW EP	22 47 19.0
OCT 6	
UKI IP	22 54 00.5
SLD E(P)	22 54 31.8
EUR EP	22 55 10.5

Date and Station	Phase (GCT)
	h m s
OCT 6	
TUC E(P)	23 06 17.4
OCT. 6	
H-23 49 52.7	
17.4S 172.9W	
h ABOUT 40KM	
BMO EP	24 01 58.8
COL IP	24 02 21.3
OCT 7	
SJG IP D	01 03 47.0
IS	04 06.0
OCT 7	
BMO E(P)	01 12 17.1
NEW EP	01 12 23.0
OCT 7	
H-01 31 53.0	
.1S 122.9E	
h ABOUT 197KM	
BOZ EP'	01 50 08.5
ALQ EP'	01 50 27.7
OCT 7	
H-03 15 08.9	
10.3S 161.6E	
h ABOUT 65KM	
COL EP	03 27 32.0
E▸P	27 50.8
EUR EP	03 28 12.2
OCT 7	
H-04 28 28.1	
4.4N 126.0E	
h ABOUT 70KM	
COL EP	04 40 54.0
OCT 7	
LVN IP	06 35 51.8
OCT 7	
H-07 29 13.6	
37.5S 073.4W	
h ABOUT 23KM	
ALQ E(P)	07 41 08.0
EUR IP	07 41 53.2
OCT 7	
EUR IP	09 09 35.5
LVN EP	09 09 40.0
OCT 7	
COL E(P)	09 31 35.7
OCT 7	
ADK EP	11 02 39.0
ES	03 01.5

Date and Station	Phase (GCT)
	h m s
OCT 7	
H-12 03 51.1	
18.3N 047.0W	
h ABOUT 33KM	
SJG E(P)	12 08 03.0
TUC E(P)	12 13 47.3
EUR EP	12 14 14.6
NEW EP	12 14 17.0
COL E(P)	12 15 49.0
OCT 7	
EUR EP	14 34 26.0
E(S)	35 07.1
OCT 7	
H-15 55 10.4	
21.6S 170.6E	
h ABOUT 160KM	
GUA IP	16 02 57.0
ES	08 52.0
KIP IP	16 04 10.1
IS	11 27.0
ADK IP	16 06 29.2
SLD ES	16 17 47.8
EP'P'	33 40.5
BCN EP	16 07 56.5
E▸P	08 39.4
EP'P'	33 34.0
COL IP C	16 08 00.1
I	08 12.9
I▸P	08 42.8
EPP	11 33.2
ISKS	18 16.4
ES	18 46.0
EPKKP	25 18.0
EUR IP C	16 08 01.0
I▸P	08 41.3
I	11 19.7
I	12 06.3
EPKKP	25 22.3
EP'P'	33 21.7
TUC EP	16 08 04.8
E▸P	08 45.0
E	19 01.0
EP'P'	33 28.0
BMO EP	16 08 07.2
E▸P	08 48.0
GCA EP	16 08 12.5
E▸P	08 51.0
NEW EP	16 08 16.0
E	09 04.0
SLC EP	16 08 17.1
ALQ EP	16 08 24.0
E	08 37.0
E▸P	09 04.0

Date and Station	Phase (GCT)
	h m s
HHM E(P)	16 08 24.7
E▸P	18 43.7
SJG IP'C	16 13 55.5
EPP	15 56.0
ISKP	16 56.0
ISKP	17 17.0
ISKS	20 46.0
ISKS	21 18.0
I	22 28.0
E	25 04.0
ISKKP	27 13.5
ESS	33 06.0
E▸SS	34 00.0
EG	48 12.0
P'P'P'	52 45.0
OCT 7	
BCN EP	16 17 40.5
EL	17 59.2
EUR EP	16 17 56.0
I	18 01.5
IS	18 37.0
OCT 7	
ALQ EP	16 24 45.2
HHM EP	16 25 03.2
E	33 20.2
OCT 7	
COL EP	16 45 42.5
OCT 7	
EUR EP	17 23 44.0
OCT 7	
EUR E(P)	18 06 07.5
E(S)	08 00.5
OCT 7	
ADK IP	19 07 31.7
IS	07 46.5
OCT 7	
EUR EP	20 32 00.8
OCT 7	
ADK IP	20 34 45.8
IS	34 54.0
OCT 7	
H-20 55 56.4	
61.7N 150.1W	
h ABOUT 57KM	
COL IP	20 56 50.2
ES	57 30.0
ADK E(P)	21 00 02.0
NEW EP	21 00 52.0
I	00 58.0
BMO EP	21 01 20.3
E	01 36.0
EUR IP D	21 02 05.8
I▸P	02 25.2
I(PP)	03 14.3
ESCP	08 41.4
SLD EP	21 02 06.0

Date and Station	Phase (GCT)
	h m s
SLC EP	21 02 12.1
BCN EP	21 02 37.0
ALQ EP	21 03 12.7
ISCP	09 09.1
TUC E(P)	21 03 17.4
OCT 7	
ADK EP	21 34 42.8
IS	35 08.0
OCT 7	
H-22 41 03.0	
59.2N 136.0W	
h ABOUT 53KM	
SIT EP	22 41 36.6
COL E(P)	22 43 00.3
BMO EP	22 45 15.7
EUR E(P)	22 46 19.2
OCT 7	
NEW EP	22 49 31.0
OCT 7	
H-23 04 07.0	
04.4S 143.1E	
h ABOUT 86KM	
SJG IP'	23 23 43.0
I▸P'	24 10.0
OCT 8	
H-00 12 16.2	
16.6S 177.4W	
h ABOUT 18KM	
GUA EP	00 20 51.0
SLD EP	00 23 59.6
BCN EP	00 24 18.2
EUR EP	00 24 25.7
E	24 58.5
TUC EP	00 24 27.2
E	34 38.0
BMO EP	00 24 34.1
E	25 09.3
SLC E(P)	00 24 42.8
NEW EP	00 24 46.0
ALQ EP	00 24 49.5
OCT 8	
CED IP	00 50 09.5
IS	50 23.4
OCT 8	
SJG IP	00 58 03.5
IS	58 17.5

Date and Station	Phase (GCT)
	h m s
OCT 8	
H-02 21 38.3	
19.4S 175.2W	
h ABOUT 75KM	
GUA EP	02 30 35.5
BCN EP	02 33 38.3
E	33 15.8
TUC EP	02 33 43.4
E	34 18.0
EUR IP	02 33 44.2
BMO EP	02 33 55.0
ALQ IP	02 34 06.3
COL IP D	02 34 13.0
E	34 48.2
OCT 8	
H-02 34 11.2	
16.5S 177.3W	
h ABOUT 16KM	
SLD EP	02 45 54.2
BCN EP	02 46 15.8
EUR IP C	02 46 20.4
E	50 18.0
TUC EP	02 46 22.8
ES	56 28.0
BMO EP	02 46 30.0
NEW E(P)	02 46 31.0
SLC E(P)	02 46 35.1
ALQ IP	02 46 45.1
OCT 8	
H-03 06 44.8	
57.7N 151.6W	
h ABOUT 20KM	
COL EP	03 08 35.0
I	08 40.3
IS	09 57.3
BOZ E(P)	03 11 31.5
NEW IP	03 11 45.5
HHM EP	03 12 01.2
EUR IP D	03 12 48.1
E	13 19.6
EPCP	15 53.3
BCN EP	03 13 17.9
TUC EP	03 14 00.0
OCT 8	
ALQ EP	03 16 17.0

Date and Station	Phase (GCT)
	h m s
OCT 8	
H-03 52 22.1	
17.6N 147.3E	
h ABOUT 18KM	
GUA IP	03 53 34.0
IS	54 25.0
NEW EP	04 04 35.0
EUR IP	04 04 52.8
TUC E(P)	04 05 24.0
OCT 8	
COL E(P)	04 01 31.5
E	02 54.3
TUC EP	04 02 56.5
EUR IP C	04 02 56.6
OCT 8	
H-04 23 07.4	
32.1S 067.4W	
h ABOUT 135KM	
EUR IP	04 35 25.2
ALQ E(P)	04 36 41.5
OCT 8	
COL E(P)	04 40 10.0
OCT 8	
TUC E(P)	06 04 29.0
OCT 8	
ADK EP	07 11 46.0
ES	12 18.2
OCT 8	
COL IP D	07 55 42.8
IL	55 58.9
OCT 8	
COL E(P)	09 20 46.5
OCT 8	
H-10 03 47.0	
61.3N 150.5W	
h ABOUT 33KM	
COL EP	10 04 44.0
BMO EP	10 09 13.9
EUR EP	10 09 58.8
OCT 8	
H-10 32 32.0	
19.7S 68.8W	
h ABOUT 144KM	
EUR EP	10 43 51.9
E	44 35.5
BMO E(P)	10 44 16.6
E>P	44 53.6
OCT 8	
EUR E(P)	10 33 13.0

Date and Station	Phase (GCT)
	h m s
OCT 8	
EUR E(P)	11 42 13.5
OCT 8	
H-12 02 08.8	
35.4N 140.2E	
h ABOUT 65KM	
GUA EP	12 07 00.1
COL EP	12 11 05.0
NEW EP	12 13 27.0
HHM EP	12 13 37.2
EUR IP C	12 14 00.6
I	14 14.5
BCN EP	12 14 14.1
TUC EP	12 14 40.2
OCT 8	
EUR EP	12 24 47.5
OCT 8	
CED IP	12 33 31.6
IS	33 41.0
BCN E(P)	12 34 04.3
EUR IP	12 34 48.7
I	36 54.5
OCT 8	
LVN IP	12 35 19.8
OCT 8	
H-12 36 14.7	
37.3N 114.2W	
h ABOUT 33KM	
GCA IP	12 36 49.2
IS	37 16.5
EUR IP	12 36 54.5
FGU IP	12 37 32.6
I	37 45.6
ILG	38 51.3
TUC EPN	12 37 40.0
EL	39 15.5
SLD E(P)	12 37 37.7
EL	39 11.0
ALQ EP	12 37 52.6
E	38 15.0
EL	39 40.0
ALQ IP	12 37 52.6
BMO EPN	12 38 09.5
OCT 8	
COL EP	13 12 22.0
OCT 8	
SJG IP C	14 06 24.5
IS	06 39.0

Date and Station	Phase (GCT)
	h m s
OCT 8	
BOZ EP	14 42 25.5
OCT 8	
H-14 43 55.2	
15.6S 177.8W	
h ABOUT 435KM	
SLD EP	14 54 51.9
BCN EP	14 55 12.0
EUR IP	14 55 16.6
TUC EP	14 55 19.7
BMO EP	14 55 26.5
SLC EP	14 55 33.8
COL IP	14 55 35.2
ALQ E(P)	14 55 41.1
OCT 8	
H-15 29 53.8	
43.2N 111.0W	
h ABOUT 33KM	
BOZ IP	15 30 31.3
FGU EP	15 30 33.0
I	30 36.6
IS	31 02.3
ILG	31 08.5
SLC EP	15 30 33.3
EL	31 14.5
BMO EPN	15 31 06.8
EUR E(P)	15 31 11.8
E	32 21.0
IL	32 39.3
ALQ E(P)	15 32 15.6
OCT 8	
ADK E(P)	15 36 25.0
OCT 8	
BOZ EP	15 44 30.7
OCT 8	
EUR IP	17 36 40.2
OCT 8	
H-17 43 54.9	
51.7N 173.9W	
h ABOUT 26KM	
ADK IP	17 44 23.9
IS	44 50.0
COL EP	17 48 14.1
NEW IP	17 50 54.5
I	51 10.0
BMO EP	17 51 07.7
HHM EP	17 51 10.2
E	52 02.7

Date and Station	Phase	Phase (GCT) h m s
SLD	EP	17 51 25.5
	E	51 39.0
	I	53 46.2
BOZ	E(P)	17 51 33.0
EUR	EP C	17 51 40.0
	I	51 52.9
	IPCP	53 38.3
	ESCP	57 24.6
BCN	EP	17 52 03.2
	I	52 17.0
TUC	EP	17 52 41.4
	E	52 54.5
SJG	EP	17 56 37.0
OCT 8		
EUR	EP	18 31 34.5
OCT 8		
SJG	IP C	18 56 43.5
	IS	56 52.0
OCT 8		
H-19 39 40.8		
10.7N 062.6W		
h ABOUT 93KM		
SJG	IP C	19 41 37.2
	IS	43 01.5
TUC	EP	19 48 21.8
	E	48 47.2
EUR	IP	19 49 05.9
BMO	EP	19 49 22.0
COL	IP	19 51 31.2
OCT 8		
COL	EP	19 54 03.0
OCT 8		
H-20 38 07.0		
10.7N 82.4W		
h ABOUT 33KM		
SJG	EP	20 42 09.5
EUR	EP	20 45 53.0
OCT 8		
BHP	IP	20 38 36.5
OCT 8		
ADK	EP	20 42 42.4
	IS	43 02.0
OCT 8		
H-20 57 30.5		
46.2N 153.0E		
h ABOUT 22KM		
COL	EP	21 04 37.0
EUR	IP	21 08 02.1
OCT 8		
HHM	IP	21 00 11.2
OCT 8		
BMO	E(P)	21 07 45.6
OCT 8		
BHP	IP	21 19 06.0
	IS	19 49.0
OCT 8		
BHP	EP	21 25 23.0
OCT 8		
SLC	E(P)	21 54 34.0
OCT 8		
SJG	IP D	23 10 17.2
	IS	10 40.0
OCT 9		
H-00 19 56.5		
46.9N 152.1E		
h ABOUT 105KM		
COL	E(P)	00 26 52.5
EUR	IP	00 30 19.3
OCT 9		
BMO	E(P)	00 30 14.5
EUR	EP	00 30 42.0
OCT 9		
H-00 37 26.3		
37.3N 114.2W		
h ABOUT 33KM		
BCN	EP	00 37 50.5
	IS	38 10.3
EUR	EP	00 38 06.1
	IS	38 33.5
OCT 9		
H-02 06 35.7		
17.9S 178.2W		
h ABOUT 642KM		
GUA	EP	02 14 20.0
ADK	EP	02 16 41.5
SLD	EP	02 17 24.6
BCN	IP C	02 17 44.4
EUR	EP D	02 17 48.5
TUC	IP	02 17 50.5
BMO	EP	02 17 58.3
NEW	IP	02 18 07.7
COL	IP	02 18 08.0
BOZ	IP C	02 18 16.5
OCT 9		
SJG	EP	02 16 48.3
	IS	17 12.1
OCT 9		
ADK	EP	02 17 34.4
SLD	EP	02 18 17.2
BCN	EP	02 18 36.4
EUR	EP	02 18 41.5
TUC	I	02 18 43.5
TUL	EP	02 18 43.5
BMO	EP	02 18 51.2
NEW	EP	02 19 00.0
COL	IP	02 19 00.9
BOZ	IP	02 19 10.2
OCT 9		
H-02 17 50.0		
1.5N 85.3W		
h ABOUT 33KM		
BHP	IP D	02 20 06.0
ALQ	EP	02 25 13.8
TUC	E(P)	02 25 15.5
BCN	E(P)	02 25 56.4
SLC	E(P)	02 26 11.5
EUR	IP	02 26 20.8
BOZ	EP	02 26 40.0
SLD	E(P)	02 26 40.2
BMO	EP	02 26 54.0
HHM	E(P)	02 27 04.7
NEW	EP	02 27 12.0
OCT 9		
ADK	IP	02 27 53.5
	IS	28 13.7
OCT 9		
EUR	EP	02 35 06.2
OCT 9		
SJG	IP D	02 37 53.0
	IS	38 14.5
OCT 9		
SJG	I(P)	02 39 04.5
	I(S)	39 31.0
OCT 9		
SJG	EP	02 44 42.7
	IS	45 05.0
OCT 9		
NEW	EP	02 46 06.0
EUR	E(P)	02 47 05.0
BMO	E(P)	02 47 11.3
NEW	EP	02 47 18.0
OCT 9		
SJG	IP	02 46 22.5
	IS	46 47.7
OCT 9		
BOZ	EP	02 54 45.7
	E	55 07.0
EUR	E(P)	02 54 57.2
	E	55 29.5
BMO	EP	02 55 13.0
NEW	EP	02 55 20.0
OCT 9		
SJG	IP	03 05 19.5
	IS	05 44.5
OCT 9		
H-03 32 29.2		
51.8N 176.4E		
h ABOUT 47KM		
ADK	EP	03 33 34.8
	ES	34 25.3
COL	E(P)	03 37 26.0
EUR	E(P)	03 40 58.5
OCT 9		
H-04 38 24.5		
44.8N 111.1W		
h ABOUT 16KM		
BOZ	EP	04 38 41.0
	EL	39 03.5
BZM	EP	04 38 42.4
	E	38 58.0
HHM	E(P)	04 39 28.7
	E	39 39.2
	EL	40 32.2
FGU	E(P)	04 39 31.4
	I	39 37.5
	ELG	40 28.2
BMO	E(P)	04 39 37.9
EUR	E(P)	04 40 05.0
OCT 9		
FGU	EP	06 29 20.1
	ILG	29 50.6
OCT 9		
SJG	EP	06 42 32.5
	IS	42 57.0
OCT 9		
H-06 48 42.1		
12.6N 030.8E		
h ABOUT 22KM		
BMO	EP'	07 07 24.9
EUR	EP'	07 07 33.5
TUC	EP'	07 07 39.2

Date and Station	Phase (GCT)
	h m s
OCT 9	
H-08 10 24.6	
31.2N 114.3W	
h ABOUT 8KM	
TUC EP	08 11 13.2
E(S	11 50.0
BCN EP	08 11 36.6
I	11 45.5
IL	13 02.1
ALQ EP	08 12 17.2
I	12 51.6
IL	14 33.8
SLD EP	08 12 27.7
IL	15 03.5
EUR IP	08 12 27.8
SLC E(P)	08 12 49.7
FGU EP	08 12 59.3
ELG	15 42.9
BMO E(P)	08 13 44.5
BOZ I(P)	08 14 00.0
EL	18 07.0
BUT EP	08 14 01.3
EL	18 38.0
NEW EP	08 14 27.0
CSC E(P)	08 16 18.0
EL	25 26.0
COL IP	08 17 58.6
SJG EP	08 18 45.0
I	18 53.5
OCT 9	
COL IP	08 21 50.1
OCT 9	
BCN E(P)	08 30 09.2
EL	32 22.8
OCT 9	
EUR E(P)	08 31 54.0
EL	34 21.0
OCT 9	
COL EP	08 31 04.0
OCT 9	
TUC E(P)	08 35 50.0
BCN EP	08 36 23.0
EL	37 42.8
OCT 9	
TUC E(P)	08 45 49.5
OCT 9	
EUR EP	08 52 43.9
OCT 9	
EUR EP	09 06 42.3

Date and Station	Phase (GCT)
	h m s
OCT 9	
TUC E(P)	09 18 23.1
BCN E(P)	09 18 40.2
EL	20 05.3
EUR EP	09 19 35.2
EL	22 05.5
ALQ IP	09 19 51.0
OCT 9	
ADK IP	11 07 16.9
IS	08 02.2
OCT 9	
EUR EP	11 14 46.4
OCT 9	
TUC E(P)	11 27 05.4
OCT 9	
H-12 06 42.6	
54.9S 124.2W	
h ABOUT 33KM	
TUC E(P)	12 19 27.8
ALQ EP	12 19 43.0
EUR E(P)	12 20 00.5
OCT 9	
TUC EP	12 36 25.0
EPG	36 39.2
BCN E(P)	12 36 47.7
IL	38 20.4
EUR E(P)	12 37 38.6
IL	40 05.8
OCT 9	
TUC EP	13 21 00.0
OCT 9	
H-13 50 06.8	
18.1S 178.4W	
h ABOUT 570KM	
EUR IP	14 01 27.7
TUC EP	14 01 29.0
BMO E(P)	14 01 37.2
COL EP	14 01 45.7
OCT 9	
BCN E(P)	14 02 53.4
EL	04 19.8
EUR E(P)	14 03 43.0
EL	06 10.8
OCT 9	
SJG EP	14 59 35.3
IS	15 00 00.3
OCT 9	
SJG EP	15 27 27.5
OCT 9	
EUR IP	15 33 40.9

Date and Station	Phase (GCT)
	h m s
OCT 9	
BMO IP	18 13 14.2
IS	13 17.2
OCT 9	
SJG EP	18 40 04.5
IS	40 29.0
OCT 9	
H-19 41 49.0	
44.9N 111.1W	
h ABOUT 33KM	
BZM E(P)	19 42 03.0
ES	42 19.0
BOZ EP	19 42 05.0
EL	42 41.5
BUT E(P)	19 42 27.0
EL	43 02.0
FGU IP	19 42 51.9
I	42 57.2
ILG	43 43.1
SLC E(P)	19 43 00.0
ELG	44 02.4
BMO EP	19 43 08.7
EUR E(P)	19 43 31.5
HHM E(P)	19 43 17.3
EL	44 22.5
OCT 9	
COL EP	20 13 10.0
EUR E(P)	20 17 15.0
OCT 9	
BOZ EP	20 50 15.0
E	50 34.5
OCT 9	
BOZ EP	21 01 49.5
OCT 9	
H-21 08 20.0	
44.8N 111.3W	
h ABOUT 16KM	
BOZ IP	21 08 34.9
BZM EP	21 08 36.5
ES	08 53.5
HHM E(P)	21 09 22.2
E	09 39.0
EL	10 26.2
OCT 9	
EUR E(P)	21 10 11.0
E	10 16.2
OCT 9	
BOZ EP	21 18 31.3
EL	18 42.5
OCT 9	
COL EP	21 23 14.0

Date and Station	Phase (GCT)
	h m s
OCT 9	
TUC E(P)	21 22 48.0
OCT 9	
H-21 29 21.4	
55.7S 027.1W	
h ABOUT 33KM	
BMO EP'	21 48 19.3
COL EP'	21 49 08.0
OCT 9	
CSC EP	22 24 52.0
OCT 9	
BCN E(P)	22 37 08.6
OCT 9	
H-22 52 16.8	
34.1S 179.2E	
h ABOUT 33KM	
TUC EP	23 05 30.2
EUR IP	23 05 34.2
OCT 9	
COL EP	23 17 54.0
OCT 9	
BOZ IP	23 18 26.0
IL	18 37.5
OCT 9	
COL E(P)	23 50 52.7
OCT 10	
EUR E(P)	00 10 15.5
OCT 10	
H-01 19 47.8	
16.1N 098.0W	
h ABOUT 80KM	
TUC EP	01 24 14.0
EL	30 04.0
ALQ EP	01 24 18.8
BCN EP	01 25 06.2
BOZ E(P)	01 25 07.0
EUR IP	01 25 35.1
SJG EP	01 25 59.0
BMO EP	01 26 16.5
NEW EP	01 26 41.0
COL EP	01 29 41.0
OCT 10	
SJG EP	01 54 32.4
ES	54 57.2
OCT 10	
COL EP	02 29 12.0
OCT 10	
SJG IP	02 37 53.0

Date and Station	Phase	Phase (GCT) h m s
OCT 10		
SJG	IP	02 46 22.6
OCT 10		
EUR	IP	02 50 44.0
OCT 10		
EUR	EP	03 05 59.0
	ES	06 33.0
OCT 10		
SLD	EP	03 25 06.0
	ES	25 25.2
OCT 10		
EUR	IP	03 28 24.0
OCT 10		
COL	E(P)	03 39 09.5
OCT 10		
COL	E(P)	03 44 31.5
OCT 10		
EUR	EP	04 50 15.0
	E(S)	50 54.0
OCT 10		
TUC	E(P)	05 21 15.0
OCT 10		
BOZ	EP	05 48 18.5
	EL	48 39.5
FGU	E(P)	05 48 56.9
	E	49 02.7
	ELG	49 42.2
OCT 10		
H-06 53 11.2		
44.5N 149.2E		
h ABOUT 26KM		
COL	EP	07 00 42.0
BOZ	EP	07 03 52.0
EUR	EP	07 04 02.0
OCT 10		
H-06 53 46.1		
36.6N 121.2W		
h ABOUT 14KM		
SLD	IPD	06 53 56.1
	IS	54 03.3
EUR	EP C	06 55 05.0
	I	55 18.5
	IS	56 19.1
BCN	E(P)	06 55 10.7
	EL	56 50.2
BOZ	EP	06 56 11.0
	E	56 23.0
	EL	56 44.7
NEW	EP	06 56 44.0
OCT 10		
BMO	IP	07 46 17.8
	ES	46 20.7
OCT 10		
ADK	IP	08 00 08.0
	IS	00 27.2
OCT 10		
EUR	IP C	08 07 19.9
OCT 10		
BMO	E(P)	09 13 07.0
OCT 10		
H-10 03 31.7		
10.7N 062.6W		
h ABOUT 99KM		
SJG	EP	10 05 27.5
	IS	06 53.0
TUC	E(P)	10 12 12.0
BCN	EP	10 12 44.9
BOZ	EP	10 12 49.0
EUR	IP	10 12 57.0
BMO	EP	10 13 12.8
COL	IP	10 15 21.7
OCT 10		
COL	EP	10 18 23.0
OCT 10		
H-10 44 10.0		
24.0N 123.0E		
h ABOUT 34KM		
GUA	E(P)	10 49 15.4
COL	EP	10 55 08.0
NEW	E(P)	10 56 59.0
BMO	EP	10 57 18.7
EUR	EP	10 57 38.5
OCT 10		
BOZ	IP	11 05 25.3
	IL	05 41.3
OCT 10		
H-13 08 03.0		
44.9N 111.3W		
h ABOUT 33KM		
BOZ	IP	13 08 14.5
	IS	08 26.7
BZM	E(P)	13 08 15.0
	ES	08 27.0
OCT 10		
SJG	EP	14 51 56.0
	ES	52 16.0
OCT 10		
BUT	EP	15 41 15.0
OCT 10		
EUR	EP	16 08 00.5
OCT 10		
BUT	EP	16 25 13.5
OCT 10		
EUR	EP	16 45 31.8
OCT 10		
ADK	IP	18 00 08.0
	IS	00 27.2
OCT 10		
SJG	IP D	18 24 56.9
	IS	25 22.4
OCT 10		
COL	EP	19 10 04.0
OCT 10		
COL	EP	19 15 27.0
OCT 10		
H-20 09 53.4		
45.2N 111.3W		
h ABOUT 33KM		
BOZ	IP	20 10 03.0
	IS	10 15.5
BUT	E(P)	20 10 15.0
	IL	10 36.5
OCT 10		
H-20 25 36.7		
29.9S 067.2W		
h ABOUT 47KM		
ALQ	IP	20 37 11.5
BOZ	EP	20 38 09.0
EUR	EP	20 37 56.9
	E	39 58.0
BMO	EP	20 38 19.3
	E	38 28.2
OCT 10		
H-20 28 33.2		
19.7S 70.8W		
h ABOUT 36KM		
SJG	EP	20 35 45.5
	ES	41 35.0
ALQ	E(P)	20 39 11.5
EUR	EP	20 39 58.0
BOZ	EP	20 40 11.3
BMO	EP	20 40 24.0
HHM	E(P)	20 40 29.5
NEW	EP	20 40 39.0
OCT 10		
H-21 06 50.5		
19.9S 071.1W		
h ABOUT 33KM		
BMO	E(P)	21 18 42.1
	E	18 51.7
OCT 10		
H-21 17 34.6		
57.4N 136.1W		
h ABOUT 33KM		
SIT	IP	21 17 42.0
COL	IP	21 19 46.9
	ES	22 25.5
	EL	23 04.0
NEW	EP	21 21 01.0
HHM	EP	21 21 20.8
	ESCP	25 51.2
BUT	E(P)	21 21 42.0
	EL	27 05.0
BOZ	EP	21 21 56.7
	E(S)	26 34.5
	EL	27 40.5
EUR	IP D	21 22 29.2
	I	23 14.2
	ISCP	29 44.0
SLD	EP	21 22 34.5
	E	23 37.9
SLC	E(P)	21 22 36.8
BCN	EP	21 23 04.6
TUC	EP	21 23 46.4
OCT 10		
TUC	E(P)	21 27 21.0
OCT 10		
ALQ	E(P)	21 29 02.4
EUR	IP	21 29 44.1
OCT 10		
BOZ	EP	21 48 02.5
	EL	48 15.5
OCT 10		
FGU	EP	21 59 34.3
	IS	59 53.4
OCT 10		
FGU	EP	22 23 08.9
	ELG	23 33.6
OCT 10		
GCA	EP	22 29 14.6
	IS	29 40.9
ALQ	I(P)	22 30 26.4
OCT 10		
BCN	EP	22 31 18.2
OCT 10		
H-23 58 25.1		
15.8S 172.9W		
h ABOUT 40KM		
BCN	E(P)	24 10 11.3
TUC	EP	24 10 13.0

Date and Station	Phase (GCT)
	h m s
EUR IP	24 10 15.5
BMO EP	24 10 23.4
E	10 37.9
BOZ EP	24 10 43.5
E	11 47.5
COL EP	24 10 44.2
OCT 11	
COL EP	00 14 43.0
OCT 11	
H-01 19 37.5	
12.4N 141.7E	
h ABOUT 67KM	
GUA IP	01 20 28.0
I	20 50.0
COL EP	01 30 46.0
BMO EP	01 32 27.8
OCT 11	
BCN EP	01 33 32.0
ES	33 51.1
GCA IP	01 33 42.4
IS	34 08.7
EUR EPN	01 33 46.8
IS	34 14.1
OCT 11	
BOZ IP	01 46 00.0
IL	47 15.0
BUT EP	01 46 15.2
IL	46 34.7
HHM E(P)	01 46 54.0
E	47 01.1
EL	47 57.0
OCT 11	
H-01 49 53.1	
53.3N 173.8W	
h ABOUT 233KM	
ADK IP	01 50 36.6
IS	51 08.7
COL EP	01 53 43.8
NEW IP	01 56 27.8
BOZ EP	01 57 05.5
EUR IP C	01 57 15.2
OCT 11	
H-03 30 32.5	
19.8S 71.0W	
h ABOUT 6KM	
SJG EP	03 37 50.0
BMO EP	03 42 28.5
OCT 11	
ADK IP	04 37 44.5
IS	38 05.3

Date and Station	Phase (GCT)
	h m s
OCT 11	
EUR IP	04 45 28.5
OCT 11	
BOZ EP	04 54 34.5
EL	54 45.5
OCT 11	
H-04 59 05.9	
17.4S 168.6E	
h ABOUT 27KM	
COL EP	05 11 54.9
EUR IP	05 12 06.0
OCT 11	
H-05 39 08.1	
30.1S 071.9W	
h ABOUT 34KM	
SJG IP C	05 47 45.0
I▸P	47 52.2
I▸P	47 56.0
TUC E(P)	05 50 31.0
BCN E(P)	05 51 05.4
EUR IP	05 51 18.0
SLD E(P)	05 51 32.0
BMO EP	05 51 42.5
BOZ E(P)	05 51 42.5
HHM E(P)	05 51 55.7
E	51 51.0
NEW EP	05 51 57.0
OCT 11	
H-06 25 56.4	
60.5S 026.3W	
h ABOUT 36KM	
SJG EP	06 38 24.0
E▸P	38 34.5
EPP	41 50.5
ES	48 45.0
EG	07 00 30.0
CSC EP'	06 44 09.0
EPP	44 26.0
ALQ EP'	06 44 26.8
TUC EP'	06 44 33.5
BCN EP'	06 44 44.3
E(PP)	46 18.5
EKKP	55 05.7
SLC IP'	06 44 48.6
EUR IP'	06 44 51.1
E	46 14.6
I(PP)	46 39.4
E	48 47.0
EPKKP	54 41.5
E	56 07.3
ESKKP	58 37.5

Date and Station	Phase (GCT)
	h m s
SLD IP'	06 44 52.7
EPP	46 27.5
BOZ IP'C	06 44 55.7
IPP	46 49.5
ESKP	58 36.0
BMO IP'	06 44 59.7
HHM IP'	06 45 01.0
ESKP	48 20.7
NEW EP'	06 45 03.0
COL EP'	06 45 39.5
I	45 50.5
IP'	46 03.1
E(PP)	49 30.0
ADK IP'	06 46 39.1
OCT 11	
H-06 57 45.3	
04.9N 076.0W	
h ABOUT 106KM	
BHP IP C	06 59 03.0
IS	07 00 03.0
SJG EP'	07 01 28.4
I	04 17.0
I(S)	04 38.5
TUC E(P)	07 05 31.5
EUR EP	07 06 33.5
BOZ EP	07 06 38.2
E▸P	07 06.7
OCT 11	
BUT EP	06 59 55.7
OCT 11	
H-07 30 04.5	
44.9N 111.1W	
h ABOUT 22KM	
BOZ IP	07 30 19.5
BZM IP C	07 30 19.8
EL	30 37.2
HHM EP	07 31 07.0
E	31 17.7
EL	32 10.5
FGU EP	07 31 07.1
E	31 16.0
ILG	32 06.6
BMO IPN	07 31 10.5
SLC E(P)	07 31 12.0
NEW IP	07 31 24.2
EL	32 48.0
EUR EP	07 31 43.2
OCT 11	
BZM E(P)	07 31 25.5
EL	31 43.0

Date and Station	Phase (GCT)
	h m s
BUT E(P)	07 31 33.7
IL	31 58.7
HHM I(P)	07 32 10.5
I	32 27.0
I	33 17.5
NEW E(P)	07 32 30.0
ES	33 54.0
OCT 11	
H-07 31 12.0	
45.0N 111.3W	
h ABOUT 33KM	
EUR E(P)	07 32 56.0
E	33 02.0
OCT 11	
BOZ EP	07 39 48.0
EL	40 00.0
OCT 11	
H-07 59 42.5	
60.4S 026.2W	
h ABOUT 33KM	
SJG EP	08 12 11.1
E▸P	12 22.0
TUC EP'	08 18 20.0
BMO IP'	08 18 46.1
E	18 57.9
HHM EP'	08 18 48.0
E	19 01.0
NEW EP'	08 18 49.0
COL EP'	08 19 29.0
I	19 36.9
OCT 11	
BOZ IP	08 13 28.5
IL	13 46.0
BZM E(P)	08 13 30.2
EL	13 47.5
HHM E(P)	08 14 18.0
E	14 27.0
E	14 35.2
EUR E(P)	08 15 05.5
OCT 11	
BOZ EP	08 14 56.0
EL	15 40.0
BZM E(P)	08 14 56.0
EL	15 13.5
BUT EP	08 15 10.6
IL	15 28.6
HHM E(P)	08 15 53.5
E	16 47.5
OCT 11	
BOZ EP	08 19 33.5
EL	19 53.0

Date and Station	Phase (GCT)
	h m s
BZM E(P)	08 19 47.0
EL	20 05.0
HHM E(P)	08 20 51.5
E	21 44.0
OCT 11	
NEW EP	08 22 11.0
OCT 11	
H-08 23 05.2	
44.8N 111.2W	
h ABOUT 16KM	
BOZ IP	08 23 20.5
IL	23 47.0
BZM EP C	08 23 21.5
ES	23 37.5
HHM EP	08 24 09.0
E	24 18.5
EL	25 13.0
FGU EP	08 24 09.1
E	24 17.6
ELG	25 06.6
BMO EPN	08 24 12.3
NEW IP	08 24 26.0
EL	25 52.0
EUR E(P)	08 24 49.7
EL	26 30.4
OCT 11	
BOZ EP	08 46 24.0
ES	46 35.7
BUT E(P)	08 46 38.5
IL	46 58.5
HHM E(P)	08 47 26.7
E(S)	48 16.0
OCT 11	
BUT E(P)	08 52 59.5
IL	52 18.5
HHM E(P)	08 53 39.5
E	54 35.5
OCT 11	
BOZ EP	09 33 00.0
EL	34 16.5
BZM E(P)	09 33 00.5
ES	33 17.0
HHM E(P)	09 33 52.5
E	34 49.5
OCT 11	
BOZ EP	09 47 20.3
ES	47 32.5
BZM E(P)	09 47 20.5
ES	47 38.4
HHM E(P)	09 48 07.5
E	48 17.5
EL	49 10.5

Date and Station	Phase (GCT)
	h m s
OCT 11	
BOZ EP	09 50 14.5
ES	50 27.5
HHM E(P)	09 51 13.5
EL	52 08.5
OCT 11	
H-09 57 35.1	
44.8N 111.5W	
h ABOUT 33KM	
BOZ IP	09 57 48.4
IL	58 08.5
BZM EP	09 57 50.2
HHM EP	09 58 36.0
E	58 48.0
EL	59 40.5
OCT 11	
H-10 06 20.7	
28.0N 103.8E	
h ABOUT 36KM	
COL EP	10 17 43.0
OCT 11	
H-11 38 50.7	
44.9N 111.1W	
h ABOUT 16KM	
BOZ IP	11 39 06.8
BZM IP C	11 39 07.8
ES	39 24.0
HHM EP	11 39 54.0
E	40 54.0
EL	40 56.5
FGU IP	11 39 54.6
I	40 04.1
ILG	40 54.1
SLC EP	11 39 55.6
NEW IP	11 40 12.1
EL	41 37.0
EUR E(P)	11 40 32.3
IPG	40 42.5
ILG	42 11.3
OCT 11	
BOZ EP	11 47 56.5
ES	48 10.5
OCT 11	
H-12 06 18.9	
14.0N 120.7E	
h ABOUT 102KM	
COL EP	12 18 08.0
OCT 11	
EUR E(P)	12 16 06.7
NEW EP	12 17 01.0
OCT 11	
SJG EP	13 05 18.0
IS	05 45.5

Date and Station	Phase (GCT)
	h m s
OCT 11	
EUR EP	13 07 54.5
E	08 00.0
E(S)	08 37.1
BMO E(P)	13 10 05.5
OCT 11	
NEW EP	13 42 24.0
OCT 11	
BOZ EP	14 01 02.5
ES	01 15.0
OCT 11	
BOZ IP	14 07 29.0
IS	07 42.5
BZM E(P)	14 07 30.0
ES	07 47.0
HHM E(P)	14 08 24.0
E	08 32.5
EL	09 18.0
OCT 11	
COL IP	14 23 02.7
OCT 11	
BOZ EP	14 27 38.5
ES	27 51.2
HHM E(P)	14 28 35.5
EI	29 31.5
OCT 11	
EUR E(P)	14 37 13.0
ES	38 03.3
OCT 11	
H-14 37 39.3	
44.9N 111.3W	
h ABOUT 3KM	
BOZ IP	14 37 54.5
IS	38 09.5
BZM E(P)	14 37 55.6
ES	38 13.0
HHM E(P)	14 38 42.5
E	38 54.0
EL	39 47.5
FGU EP	14 38 45.4
EUR EPG	14 39 09.7
ELG	40 58.5
OCT 11	
BOZ E(P)	14 39 12.2
ES	39 28.5
BZM E(P)	14 39 14.0
ES	39 32.8
OCT 11	
SLD E(P)	14 40 01.0
ES	40 34.0
OCT 11	
BCN EP	15 10 24.5
ES	10 43.8

Date and Station	Phase (GCT)
	h m s
EUR EP	15 10 39.5
ES	11 18.8
OCT 11	
BOZ IP	15 23 45.5
IL	24 10.0
HHM E(P)	15 24 36.5
E	24 43.5
EL	25 40.5
OCT 11	
BOZ IP	15 54 19.5
IS	54 32.0
HHM E(P)	15 55 18.5
EL	56 11.5
OCT 11	
BOZ IP	15 59 31.5
IL	59 51.7
HHM E(P)	16 00 29.5
EL	01 22.0
OCT 11	
H-16 27 27.6	
44.9N 111.1W	
h ABOUT 11KM	
BOZ IP	16 27 42.0
IS	27 52.7
BZM EP	16 27 42.2
EL	28 00.0
HHM E(P)	16 28 30.0
E	28 39.5
EL	29 33.5
OCT 11	
H-16 30 41.0	
44.9N 111.2W	
h ABOUT 25KM	
BZM IP C	16 30 55.6
EL	31 14.0
BUT EP	16 31 07.8
IL	31 29.8
FGU E(P)	16 31 40.5
E	31 57.0
ELG	32 39.0
HHM EP	16 31 43.0
E	31 53.0
EL	32 46.0
BMO EPN	16 31 46.7
NEW EP	16 32 00.0
EL	33 26.0
EUR EPG	16 32 23.7
ELG	34 01.3
OCT 11	
H-16 39 51.1	
44.9N 111.2W	
h ABOUT 20KM	
BOZ IP	16 40 05.0

Date and Station	Phase (GCT)
	h m s
BZM IP C	16 40 05.5
EL	40 23.1
HHM E(P)	16 40 52.0
E	41 02.5
EL	41 57.5
FGU EP	16 40 53.5
I	41 06.0
ELG	41 53.0
BMO EPN	16 40 56.1
EUR E(P)	16 41 30.2
E	41 39.6
IL	43 10.8
OCT 11	
BOZ E(P)	16 43 44.0
OCT 11	
BZM E(P)	16 49 28.0
OCT 11	
H-16 49 49.2	
62.6N 148.8W	
h ABOUT 54KM	
COL IP D	16 50 25.6
ES	50 55.1
HHM EP	16 55 00.0
BMO IP	16 55 12.3
E	55 36.0
BOZ E(P)	16 55 29.5
SLD EP	16 56 00.3
E	56 23.5
OCT 11	
H-16 58 06.0	
44.8N 111.4W	
h ABOUT 33KM	
BOZ EP	16 58 21.7
ES	58 38.5
BZM IP C	16 58 21.8
ES	59 39.0
FGU E(P)	16 59 08.5
E	59 20.0
ELG	17 00 07.0
HHM EP	16 59 09.0
E	59 19.5
EL	17 00 13.5
OCT 11	
H-16 59 12.6	
35.1N 117.3W	
h ABOUT 35KM	
CED IP	16 59 28.8
I	17 00 08.0
LVN EP	16 59 46.0
IL	17 00 17.0
BCN EP C	16 59 48.2
I	59 53.0

Date and Station	Phase (GCT)
	h m s
SLD IP D	17 00 10.0
I	00 15.9
E(S)	00 51.5
IL	01 07.4
EUR IP	17 00 21.0
GCA IP	17 00 29.5
I	00 47.0
IL	01 49.2
TUC EP	17 00 41.8
EL	02 10.0
FGU EP	17 01 22.5
ELG	03 39.0
SLC EP	17 01 26.3
EL	03 08.6
BMO E(P)	17 01 43.1
SJG EP	17 03 36.0
OCT 11	
SJG E(P)	17 32 54.0
E>P	32 12.2
OCT 11	
BOZ IP	17 39 51.5
IL	40 19.0
HHM E(P)	17 40 52.5
EL	41 43.0
OCT 11	
H-17 41 49.9	
44.8N 111.2W	
h ABOUT 33KM	
BZM EP	17 42 04.8
EL	42 22.0
BUT E(P)	17 42 15.7
IS	42 36.7
HHM EP	17 42 51.0
E	43 03.5
EL	43 53.5
FGU EP	17 42 51.2
I	43 00.5
ELG	43 50.0
OCT 11	
BOZ EP	17 46 43.0
OCT 11	
BOZ EP	17 47 21.0
HHM E(P)	17 48 11.5
EL	49 11.5
OCT 11	
BOZ EP	17 48 04.0
OCT 11	
H-17 49 54.3	
32.4S 178.8W	
h ABOUT 27KM	
EUR EP	18 03 01.9

Date and Station	Phase (GCT)
	h m s
OCT 11	
H-17 52 31.1	
44.8N 111.2W	
h ABOUT 8KM	
BOZ IP	17 52 47.1
BZM IP C	17 52 48.5
ES	53 02.0
FGU EP	17 53 35.5
I	53 44.6
ELG	54 34.0
HHM IP	17 53 35.6
I	53 45.0
ILG	54 40.5
FGU IP	17 53 35.9
I	53 44.5
ILG	54 34.2
BMO EPN	17 53 38.6
NEW IP	17 53 52.9
EL	55 19.0
EUR E(P)	17 54 13.3
E	54 20.0
ELG	55 50.0
OCT 11	
H-17 58 47.5	
44.8N 111.2W	
h ABOUT 8KM	
BZM EP	17 59 01.9
ES	59 18.0
HHM E(P)	17 59 50.5
E	59 59.0
EL	18 00 52.0
NEW EP	18 00 06.0
EL	01 32.0
EUR E(P)	18 00 30.9
OCT 11	
BZM E(P)	18 07 08.7
ES	07 26.0
HHM E(P)	18 07 54.0
E	08 07.0
EL	08 59.0
OCT 11	
SJG EP	18 08 29.0
IS	08 52.0
OCT 11	
BOZ IP	18 20 29.0
IS	20 42.0
HHM E(P)	18 21 22.5
E	22 20.6
OCT 11	
BUT E(P)	18 24 17.0
IL	24 35.5
OCT 11	
BOZ EP	18 39 03.5
EL	39 16.5

Date and Station	Phase (GCT)
	h m s
HHM E(P)	18 39 51.0
E	40 02.9
OCT 11	
COL IP	19 21 32.5
OCT 11	
H-19 28 29.9	
36.9N 114.7E	
h ABOUT 33KM	
COL EP	19 38 37.0
BMO E(P)	19 41 08.5
EUR E(P)	19 41 32.5
OCT 11	
BOZ EP	19 56 42.5
ES	56 54.5
BUT E(P)	19 56 56.5
EL	56 19.5
HHM E(P)	19 57 30.5
E	57 41.5
EL	58 34.7
OCT 11	
H-20 02 13.0	
45.1N 111.2W	
h ABOUT 33KM	
BOZ EP	20 02 23.5
ES	02 37.5
BZM E(P)	20 02 24.0
ES	02 42.0
HHM E(P)	20 03 21.1
EL	04 18.0
OCT 11	
H-20 40 39.8	
32.6S 178.7W	
h ABOUT 33KM	
BCN EP	20 53 42.2
TUC EP	20 53 42.7
EUR IP	20 53 48.2
BMO E(P)	20 54 00.2
E	54 14.0
OCT 11	
H-21 14 04.7	
33.8N 137.3E	
h ABOUT 346KM	
BMO EP	21 25 18.8
EUR EP	21 25 39.8
OCT 11	
BOZ EP	22 02 00.0
ES	03 11.5
OCT 11	
H-23 02 29.2	
44.9N 111.3W	
h ABOUT 15KM	

Date and Station	Phase (GCT) h m s
BOZ EP	23 02 43.5
ES	02 56.5
BZM EP	23 02 44.0
ES	03 02.0
HHM E(P)	23 03 31.2
E	03 41.0
EL	04 34.0
NEW IP	23 03 48.6
EL	05 15.0
OCT 11	
BMO E(P)	23 13 18.5
OCT 11	
COL EP	23 42 18.0
OCT 12	
H-00 06 38.8	
12.0S 121.7E	
h ABOUT 33KM	
GUA E(P)	00 13 21.0
ADK EP	00 19 05.1
COL EP	00 20 25.0
SLD EP'	00 25 26.1
NEW EP'	00 25 27.0
EPP	26 47.0
BMO EP'	00 25 27.9
EPP	26 50.9
HHM EP'	00 25 30.5
EUR IP'	00 25 32.5
IPP	27 06.4
EPKKP	35 29.4
ESKKP	39 05.8
BOZ IP'C	00 25 35.7
BCN EP'	00 25 36.5
SLC EP'	00 25 38.7
TUC EP'	00 25 44.0
ALQ EP'	00 25 50.5
WSC EP'	00 26 20.0
CSC EP'	00 26 23.0
E	26 28.0
SJG EP'	00 26 44.0
IP'	28 01.7
I	28 13.1
EPP	31 48.1
ESKKKS	38 56.0
EPPS	45 44.0
ESS	52 52.0
OCT 12	
BOZ IP	00 26 18.0
IL	26 37.0
BZM E(P)	00 26 19.5
E(L)	26 36.5
BUT E(P)	00 26 31.2
EL	26 51.7
OCT 12	
BOZ EP	00 58 17.5
ES	58 30.0
BUT E(P)	00 58 34.1
IS	58 52.1
HHM EP	00 59 16.5
E	01 00 08.5
OCT 12	
SJG EP	01 02 18.2
IS	02 37.6
OCT 12	
BOZ EP	01 12 06.0
ES	12 20.0
BUT EP	01 12 23.0
ES	12 38.0
HHM E(P)	01 13 05.5
E	14 16.5
OCT 12	
H-01 42 18.7	
44.8N 111.3W	
h ABOUT 33KM	
BOZ IP	01 42 32.5
IL	42 52.0
BZM EP	01 42 32.5
ES	42 50.0
FGU E(P)	01 43 18.3
ELG	44 22.3
HHM EP	01 43 19.5
E	43 31.5
IL	44 24.5
NEW IP	01 43 37.3
EL	45 05.0
OCT 12	
BOZ EP	02 06 16.0
ES	06 26.5
OCT 12	
ADK EP	02 08 21.7
IS	13 46.9
OCT 12	
H-02 12 29.9	
51.6N 179.0E	
h ABOUT 42KM	
ADK IP	02 13 14.1
IS	13 46.9
COL EP	02 17 20.6
E	17 32.0
NEW IP	02 20 02.0
I>P	20 14.0
BOZ IP C	02 20 39.2
I>P	20 50.7
EPCP	22 21.5
EUR IP C	02 20 48.7
I>P	21 00.0
BCN EP	02 21 11.8
TUC EP	02 21 48.0
E>P	22 00.0
OCT 12	
NEW IP	02 14 03.7
E	14 13.0
BOZ EP	02 14 40.0
E	14 50.0
EUR EP	02 14 48.3
OCT 12	
BOZ EP	02 15 46.7
IS	15 58.7
OCT 12	
BCN EP	02 22 02.0
NEW EP	02 22 06.0
OCT 12	
COL EP	02 39 54.0
OCT 12	
SJG EP	02 41 57.2
IS	42 21.0
OCT 12	
BMO E(P)	02 53 32.5
OCT 12	
BOZ EP	02 57 54.3
ES	58 06.0
OCT 12	
H-03 16 29.7	
14.0N 146.4E	
h ABOUT 63KM	
GUA IP	03 16 55.0
NEW EP	03 28 54.0
HHM EP	03 29 04.0
EUR IP	03 29 09.2
BOZ EP	03 29 15.7
OCT 12	
BCN EP	03 16 35.0
ES	16 54.5
OCT 12	
SJG EP	03 20 16.5
OCT 12	
H-03 19 23.0	
60.4N 144.5W	
h ABOUT 15KM	
COL IP	03 20 40.2
I	20 46.6
IS	21 38.9
NEW EP	03 23 56.0
BMO EP	03 24 22.8
BOZ EP	03 24 42.0
EUR IP	03 25 10.0
EPCP	28 25.5
ALQ E(P)	03 26 19.0
TUC EP	03 26 23.0
OCT 12	
EUR E(P)	03 21 28.5
NEW EP	03 22 15.0
OCT 12	
H-04 22 17.7	
31.3S 177.7W	
h ABOUT 41KM	
TUC EP	04 35 12.0
EUR IP	04 35 17.4
BMO EP	04 35 29.9
BOZ EP	04 35 47.5
COL E(P)	04 35 53.3
OCT 12	
BOZ E(P)	04 52 26.5
EUR E(P)	04 52 26.5
OCT 12	
ADK E(P)	06 00 51.7
OCT 12	
BOZ EP	06 34 58.7
ES	35 11.5
OCT 12	
BOZ EP	06 40 04.5
ES	40 17.5
OCT 12	
H-06 52 26.5	
60.5S 026.5W	
h ABOUT 33KM	
BMO EP'	07 11 29.7
OCT 12	
FGU IP	06 56 24.4
ELG	56 53.6
OCT 12	
EUR EP	06 59 59.4
E	07 00 10.5
OCT 12	
H-07 30 39.1	
17.2N 120.1E	
h ABOUT 64KM	
COL EP	07 42 17.0
BMO E(P)	07 44 16.7
OCT 12	
H-07 56 58.3	
11.0S 162.3E	
h ABOUT 35KM	

Date and Station	Phase (GCT)
	h m s
COL IP	08 09 27.8
EUR IP	08 09 58.0
BCN EP	08 09 59.0
E	10 16.7
BMO EP	08 09 59.8
NEW EP	08 10 04.0
BOZ EP	08 10 19.0
OCT 12	
H-08 20 38.4	
60.4N 145.0W	
h ABOUT 24KM	
COL IP C	08 21 50.0
I	22 00.3
EL	22 57.5
NEW EP	08 25 12.0
BMO EP	08 25 39.1
E	25 48.8
BOZ EP	08 25 57.5
EUR EP	08 26 26.0
OCT 12	
TUC EPN	08 25 02.1
OCT 12	
BOZ EP	08 29 34.6
OCT 12	
NEW EP	08 40 20.0
OCT 12	
H-08 59 22.5	
18.1S 178.4W	
h ABOUT 600KM	
BCN EP	09 10 35.3
EUR IP	09 10 40.0
TUC EP	09 10 42.3
BMO IP	09 10 49.8
NEW IP	09 10 58.8
ALQ IP	09 11 02.8
BOZ EP C	09 11 08.5
OCT 12	
SJG EP	09 21 12.5
IS	21 37.0
OCT 12	
H-09 38 01.2	
21.9S 176.2W	
h ABOUT 140KM	
TUC EP	09 50 11.0
EUR EP	09 50 12.5
ALQ E(P)	09 50 32.6
E▸P	51 08.0

Date and Station	Phase (GCT)
	h m s
OCT 12	
COL IP	10 08 06.0
OCT 12	
H-11 30 33.5	
59.8N 144.8W	
h ABOUT 14KM	
COL EP	11 31 54.0
ES	33 08.0
NEW EP	11 35 07.0
BMO EP	11 35 31.0
BOZ E(P)	11 35 51.7
OCT 12	
SJG IP D	11 39 36.2
IS	39 46.3
OCT 12	
BCN E(P)	12 08 57.0
ES	09 17.3
EUR EP	12 09 11.5
I	09 18.0
ES	09 50.5
OCT 12	
H-12 38 14.5	
24.5S 176.4W	
h ABOUT 33KM	
EUR E(P)	12 50 48.5
OCT 12	
EUR IP	12 40 00.2
OCT 12	
COL EP	13 47 30.0
OCT 12	
BCN EP	14 26 09.2
ES	26 28.3
OCT 12	
BHP IP	14 45 40.0
IS	45 49.5
OCT 12	
BOZ E(P)	15 40 12.0
E	40 34.0
BMO E(P)	15 40 51.3
OCT 12	
H-15 49 09.1	
60.4S 026.6W	
h ABOUT 33KM	
EUR EP'	16 08 03.4
BOZ EP'	16 08 09.5
EPP	10 03.5
BMO EP'	16 08 12.1
HHM EP'	16 08 13.5
COL EP'	16 09 16.0
OCT 12	
BMO EP	16 16 36.6

Date and Station	Phase (GCT)
	h m s
COL E(P)	16 17 40.5
OCT 12	
BMO E(P)	16 37 03.0
OCT 12	
H-16 40 44.8	
60.5N 144.2W	
h ABOUT 33KM	
COL EP	16 41 53.0
I	42 01.8
IL	43 08.4
NEW EP	16 45 14.0
HHM E(P)	16 45 28.5
BOZ EP	16 46 03.4
OCT 12	
BUT EP	18 18 42.2
OCT 12	
H-18 27 48.9	
04.7S 080.9W	
h ABOUT 45KM	
SJG EP	18 33 28.0
E	33 40.2
ALQ EP	18 36 12.3
E▸P	36 25.0
EUR EP	18 37 15.4
E▸P	37 27.9
BOZ IP C	18 37 32.5
I▸P	37 44.3
HHM E(P)	18 37 54.0
BMO E(P)	18 37 46.7
E▸P	37 58.0
OCT 12	
ADK IP	18 35 24.1
IS	35 32.0
OCT 12	
H-18 55 27.0	
16.5N 098.9W	
h ABOUT 25KM	
TUC E(P)	18 59 49.5
BCN E(P)	19 00 42.9
EUR IP	19 01 12.8
BOZ IP C	19 01 44.3
I▸P	01 51.7
OCT 12	
H-19 04 00.0	
16.1N 99.0W	
h ABOUT 25KM	
BOZ EP	19 10 20.0
OCT 12	
ALQ E(P)	19 05 46.8

Date and Station	Phase (GCT)
	h m s
GCA E(P)	19 05 51.4
IL	06 24.5
OCT 12	
BMO IP	19 41 13.9
ES	41 58.8
OCT 12	
BMO IP	19 57 22.5
ES	57 28.2
OCT 12	
BHP IP	20 06 54.0
OCT 12	
H-20 20 06.6	
11.2N 086.2W	
h ABOUT 45KM	
BHP IP D	20 21 51.5
SJG EP	20 24 44.2
I	24 53.5
ES	28 38.0
ALQ IP	20 26 13.5
E	26 24.5
ES	31 30.0
TUC EP	20 26 21.0
EPCP	29 18.0
FGU EP C	20 27 04.4
IPCP	29 32.4
EUR IP C	20 27 27.9
E	27 59.0
IPCP	29 41.2
BOZ IP C	20 27 43.1
IPCP	29 45.0
SLD EP	20 27 46.0
EPCP	29 47.4
BMO IP	20 28 00.7
HHM IP C	20 28 09.2
IPCP	29 57.5
NEW IP	20 28 19.0
IPCP	30 00.0
COL IP	20 31 02.1
ADK IP	20 32 22.0
OCT 12	
ADK IP	20 20 55.5
IS	21 02.5
OCT 12	
BOZ EP	20 47 23.0
OCT 12	
H-20 58 19.8	
29.9S 71.9W	
h ABOUT 10KM	
SJG EP	21 07 00.0
ALQ EP	21 09 46.5
EUR E(P)	21 10 33.5

Date and Station	Phase	(GCT) h m s
OCT 12		
H-21 01 38.9		
36.5N 138.0E		
h ABOUT 60KM		
BOZ	EP	21 13 26.5
EUR	EP	21 13 34.3
OCT 12		
SJG	EP	21 36 55.5
	IS	37 19.8
OCT 12		
BOZ	EP	21 59 52.0
	ES	22 00 04.5
OCT 12		
BOZ	EP	22 24 12.0
	ES	24 23.5
HHM	EP	22 24 45.4
	EL	25 19.4
OCT 12		
SJG	IP	22 50 40.1
	IS	51 12.0
OCT 12		
BOZ	EP	23 01 17.5
OCT 12		
BCN	E(P)	23 06 23.3
	ES	06 42.5
GCA	E(P)	23 06 34.2
	IS	07 00.4
EUR	IP	23 06 39.3
	I	06 44.4
	E(S)	07 12.8
OCT 13		
TUC	E(P)	02 01 29.5
OCT 13		
H-02 15 47.4		
59.5N 145.2W		
h ABOUT 26KM		
COL	IP	02 17 09.1
	IL	18 26.0
SIT	E(P)	02 17 11.5
NEW	EP	02 20 18.0
BMO	EP	02 20 44.5
BUT	EP	02 20 58.2
BOZ	IP C	02 21 04.7
	IPCP	24 42.5
EUR	IP D	02 21 31.4
	EPCP	24 48.8
SLD	IP C	02 21 32.1
ALQ	IP	02 22 41.3
TUC	EP	02 22 44.0
CSC	EP	02 24 29.1
	EL	41 44.0
SJG	EP	02 26 51.8
OCT 13		
COL	EP	02 37 00.0
OCT 13		
H-02 37 56.2		
15.1N 105.8W		
h ABOUT 33KM		
TUC	E(P)	02 42 04.0
ALQ	E(P)	02 42 28.5
EUR	E(P)	02 43 29.0
BOZ	EP	02 44 10.5
NEW	EP	02 44 41.0
SJG	EP	02 45 14.0
OCT 13		
H-03 16 09.6		
37.4N 114.2W		
h ABOUT 33KM		
GCA	EP	03 16 43.7
	IS	17 11.3
EUR	IP	03 16 49.2
TUC	E(P)	03 17 35.0
OCT 13		
TUC	EPN	03 52 30.5
	EL	53 26.4
OCT 13		
COL	EP	04 31 16.0
OCT 13		
H-05 06 34.5		
22.8N 143.6E		
h ABOUT 33KM		
GUA	IP	05 08 49.0
BOZ	EP	05 19 00.0
EUR	IP	05 19 00.7
OCT 13		
H-05 26 46.9		
59.7N 144.9W		
h ABOUT 33KM		
COL	EP	05 28 06.0
	IL	29 44.0
NEW	EP	05 31 18.0
BMO	EP	05 31 42.2
BOZ	EP	05 32 02.5
EUR	IP	05 32 29.1
OCT 13		
SJG	IP	05 58 32.2
	IS	58 56.5
OCT 13		
SJG	EP	06 50 53.5
	IS	51 17.0
OCT 13		
BOZ	EP	06 59 34.5
	ES	59 40.0
OCT 13		
H-08 31 19.9		
5.6N 79.8W		
h ABOUT 33KM		
BHP	IP D	08 32 08.0
	IS	32 45.0
BOZ	EP	08 40 03.0
OCT 13		
SJG	IP	08 53 17.5
	IS	53 42.0
OCT 13		
BMO	IP	09 26 42.9
	ES	26 44.8
OCT 13		
BMO	IP	09 56 40.5
	ES	56 42.7
OCT 13		
BMO	IP	09 59 28.7
	ES	59 30.9
OCT 13		
TUC	E(P)	10 47 09.0
OCT 13		
SJG	E(P)	11 00 09.5
	ES	00 35.5
OCT 13		
SJG	IP	11 01 37.8
	IS	01 50.4
OCT 13		
H-12 42 42.0		
31.4N 80.3E		
h ABOUT 29KM		
COL	EP	12 54 34.1
OCT 13		
ADK	IP	13 12 40.0
	IS	12 47.5
OCT 13		
SJG	EP	14 08 20.5
	E	08 37.5
OCT 13		
COL	E(P)	15 12 14.5
OCT 13		
SJG	IP	15 24 58.4
	IS	25 08.3
OCT 13		
H-15 45 15.2		
08.7S 074.3W		
h ABOUT 150KM		
BHP	IP C	15 49 19.5
SJG	IP D	15 50 52.0
	E	51 32.0
	IS	55 21.0
ALQ	EP D	15 54 18.7
	E▸P	54 57.0
TUC	IP D	15 54 23.5
FGU	IP D	15 55 01.0
	I▸P	55 38.5
SLC	EP	15 55 08.6
EUR	IP	15 55 18.9
SLD	IP D	15 55 30.8
	E▸P	56 05.9
BMO	IP	15 55 46.3
HHM	IP	15 55 51.8
NEW	IP	15 56 00.4
	E▸P	56 39.0
COL	IP D	15 58 03.3
	I▸P	59 43.5
OCT 13		
NEW	EP	15 58 47.0
OCT 13		
EUR	E(P)	16 24 31.3
OCT 13		
ALQ	IP	16 54 18.7
OCT 13		
CED	IP	17 11 10.3
	IS	11 20.7
OCT 13		
H-17 23 41.9		
54.0S 134.0W		
h ABOUT 33KM		
TUC	EP	17 36 31.5
ALQ	I(P)	17 36 46.6
EUR	IP	17 36 59.2
OCT 13		
H-17 25 50.2		
53.9S 133.9W		
h ABOUT 33KM		
TUC	E(P)	17 38 40.3
ALQ	EP	17 38 54.9
	E	39 08.5
OCT 13		
H-17 28 40.7		
54.0S 133.7W		
h ABOUT 33KM		
TUC	E(P)	17 41 29.5
ALQ	EP	17 41 45.6
	E	41 50.8

Date and Station	Phase (GCT)
	h m s
OCT 13	
BUT EP	18 04 17.3
OCT 13	
BOZ EP	18 14 36.5
ES	14 47.5
OCT 13	
H-18 44 25.0	
51.7N 176.2E	
h ABOUT 33KM	
ADK E(P)	18 45 35.5
E	45 43.5
COL EP	18 49 38.0
ES	54 02.0
NEW E(P)	18 52 22.0
BOZ E(P)	18 52 49.0
E	52 59.2
EUR E(P)	18 52 54.5
TUC E(P)	18 53 49.0
ALQ E(P)	18 54 03.4
OCT 13	
EUR EP	22 01 11.5
E(S)	01 58.4
OCT 13	
NEW EP	22 07 37.0
OCT 13	
BOZ EP	22 18 07.0
ES	18 17.2
OCT 13	
EUR E(P)	22 30 43.3
E(S)	31 26.7
OCT 13	
SJG EP	23 07 08.3
IS	07 32.0
OCT 14	
SJG EP	00 53 05.4
IS	53 20.4
OCT 14	
H-01 04 43.8	
36.4N 087.4E	
h ABOUT 25KM	
COL IP	01 15 56.2
NEW EP	01 17 56.0
BMO E(P)	01 18 10.2
BOZ EP	01 18 12.0
OCT 14	
H-01 11 52.0	
39.4N 080.1E	
h ABOUT 33KM	
BOZ EP	01 25 11.5
OCT 14	
TUC EP	01 14 51.2

Date and Station	Phase (GCT)
	h m s
OCT 14	
H-01 49 28.5	
19.2N 67.8W	
h ABOUT 47KM	
SJG IP D	01 49 59.3
IS	50 24.0
CSC E(P)	01 53 40.0
E(S)	56 57.0
WSC EP	01 54 14.4
E	54 35.8
EPCP	58 00.3
ALQ IP	01 56 39.5
TUC E(P)	01 57 05.5
BOZ IP C	01 57 39.0
BUT EP	01 57 44.6
EUR IP	01 57 49.1
HHM EP	01 57 58.3
NEW IP	01 58 12.2
COL EP	02 00 28.0
OCT 14	
GUA EP	02 28 32.0
ES	32 25.0
OCT 14	
H-02 32 32.1	
15.1S 173.4W	
h ABOUT 33KM	
TUC E(P)	02 44 18.0
EUR EP	02 44 19.0
BMO IP	02 44 31.1
ALQ E(P)	02 44 42.5
COL IP	02 44 49.9
OCT 14	
H-02 34 37.5	
23.8S 179.9W	
h ABOUT 514KM	
GUA E(P)	02 42 50.0
ADK IP	02 45 28.0
TUC EP	02 46 26.2
EUR IP	02 46 26.9
BMO EP	02 46 37.1
OCT 14	
SJG EP	03 07 51.8
IS	08 16.5
OCT 14	
GUA E(P)	03 55 26.0

Date and Station	Phase (GCT)
	h m s
OCT 14	
H-04 01 28.0	
12.0S 121.1E	
h ABOUT 33KM	
EUR IP'	04 20 22.8
OCT 14	
TUC E(P)	04 09 18.7
OCT 14	
SLD EP C	06 04 01.9
IS	04 33.3
OCT 14	
H-07 35 08.2	
06.1S 154.9E	
h ABOUT 185KM	
COL EP	07 47 07.5
BMO E(P)	07 48 00.0
EUR EP C	07 48 03.2
EPP	48 49.2
OCT 14	
SJG EP	07 48 35.5
IS	48 57.0
OCT 14	
BOZ EP	08 24 44.5
EL	24 54.0
OCT 14	
H-09 17 18.7	
09.0S 158.7E	
h ABOUT 30KM	
COL IP	09 29 44.8
EUR IP	09 30 27.2
OCT 14	
EUR EP	10 37 58.2
OCT 14	
H-12 12 09.1	
24.3S 176.4W	
h ABOUT 33KM	
TUC E(P)	12 24 31.5
EUR IP	12 24 41.8
BMO E(P)	12 24 44.8
COL E(P)	12 25 14.3
OCT 14	
NEW EP	12 38 57.0
OCT 14	
EUR EP	16 24 46.5
OCT 14	
BCN EP	16 34 16.8
OCT 14	
EUR EP	16 54 29.9
OCT 14	
SJG EP	17 14 35.0
IS	14 51.0

Date and Station	Phase (GCT)
	h m s
OCT 14	
H-18 02 18.0	
48.9N 127.0W	
h ABOUT 33KM	
NEW EP	18 03 55.0
EUR EP	18 05 13.2
ALQ E(P)	18 06 54.2
TUC E(P)	18 06 55.3
OCT 14	
BOZ EP	18 14 26.3
ES	14 37.5
OCT 14	
EUR EP	19 12 49.6
OCT 14	
H-20 34 28.9	
37.0N 121.7W	
h ABOUT 9KM	
SLD IP C	20 34 37.2
I(S)	34 41.5
UKI E(P)	20 35 08.1
EUR IP	20 35 49.2
BMO EPN	20 36 40.5
NEW EP	20 37 25.0
OCT 14	
SJG EP	20 38 13.3
IS	38 35.0
OCT 14	
EUR EP	21 01 21.4
OCT 14	
H-21 09 38.9	
41.8N 110.7W	
h ABOUT 0KM	
FGU IP C	21 10 03.4
IS	10 22.4
ILG	10 24.4
EUR E(P)	21 10 50.5
OCT 14	
BOZ EP	22 00 51.0
OCT 14	
FGU E(P)	22 16 41.9
E	16 44.6
ELG	17 12.4
OCT 14	
ALQ IP	22 29 51.3
I	29 53.4
OCT 14	
H-22 42 51.0	
06.8S 071.2W	
h ABOUT 631KM	
ALQ EP	22 51 14.7
TUC EP	22 51 21.4

Date and Station	Phase	(GCT)
		h m s
EUR	EP	22 52 13.7
BOZ	EP	22 52 22.5
BMO	E(P)	22 52 38.7
HHM	EP	22 52 41.5
COL	IP	22 54 48.7
OCT 14		
SJG	EP	23 54 23.5
	IS	54 48.0
OCT 15		
COL	E(P)	02 30 58.0
OCT 15		
BMO	IP	02 54 42.9
EUR	EP	02 54 57.3
OCT 15		
H-05 01 02.8		
44.8N 111.2W		
h ABOUT 15KM		
BOZ	IP	05 01 18.7
	IL	01 51.0
HHM	E(P)	05 02 06.5
	E	02 17.0
	EL	03 08.5
FGU	E(P)	05 02 07.3
	ELG	03 05.0
BMO	EPN	05 02 09.7
NEW	IP	05 02 23.5
	EL	03 49.0
EUR	E(P)	05 02 44.3
	E	02 57.1
	ELG	04 23.9
OCT 15		
COL	IP	05 11 42.5
OCT 15		
SJG	EP	05 17 14.3
	IS	17 39.0
OCT 15		
BOZ	IP	05 20 47.2
OCT 15		
BOZ	EP	05 21 48.5
	ES	22 00.0
OCT 15		
EUR	EP	05 23 30.3
OCT 15		
H-06 25 37.4		
19.8S 071.1W		
h ABOUT 33KM		
BMO	E(P)	06 37 29.3
	E	37 37.8
OCT 15		
H-06 54 20.6		
13.1N 050.5E		
h ABOUT 38KM		
SJG	EP'	07 13 05.0
EUR	IP'	07 13 22.1
OCT 15		
H-06 59 18.9		
45.6N 026.4E		
h ABOUT 140KM		
COL	EP	07 10 16.0
SJG	EP	07 11 09.0
	E	11 12.9
HHM	EP	07 11 15.1
NEW	EP	07 11 21.0
BMO	EP	07 11 36.0
	EpP	12 12.3
EUR	EP	07 11 58.5
OCT 15		
BOZ	EP	07 29 55.7
	EL	30 11.0
EUR	EP	07 31 37.3
OCT 15		
H-08 30 52.0		
18.0S 178.3W		
h ABOUT 579KM		
BCN	EP	08 42 06.0
EUR	IP	08 42 11.0
TUC	IP	08 42 13.0
BMO	IP	08 42 20.8
NEW	IP	08 42 29.8
ALQ	IP	08 42 33.4
HHM	EP	08 42 37.6
OCT 15		
BOZ	EP	08 32 18.3
	ES	32 30.0
OCT 15		
EUR	E(P)	09 46 28.5
OCT 15		
H-12 09 24.7		
55.6N 158.9W		
h ABOUT 40KM		
COL	EP	12 12 00.0
NEW	EP	12 15 00.0
BOZ	E(P)	12 15 42.0
EUR	IP	12 15 54.0
OCT 15		
EUR	E(P)	12 18 39.7
OCT 15		
COL	EP	13 00 09.0
EUR	EP	13 04 16.0
OCT 15		
EUR	IP	14 29 03.9
	IS	29 29.2
OCT 15		
H-14 29 39.1		
46.6N 153.2E		
h ABOUT 12KM		
EUR	IP D	14 40 09.8
	E	40 19.1
OCT 15		
BOZ	IP	15 45 51.5
	IS	46 07.5
OCT 15		
SJG	EP	17 04 37.2
	IS	05 51.7
OCT 15		
EUR	E(P)	17 50 33.7
OCT 15		
EUR	E(P)	17 55 34.0
OCT 15		
H-18 00 06.5		
41.8N 143.0E		
h ABOUT 52KM		
COL	IP	18 08 13.6
NEW	IP	18 10 48.6
HHM	EP	18 10 58.7
BUT	EP	18 11 12.8
SLD	IP D	18 11 16.8
EUR	IP	18 11 26.8
BCN	IP C	18 11 44.3
	E	11 56.5
TUC	EP	18 12 12.0
	EpP	12 27.0
OCT 15		
BUT	EP	18 05 15.8
BOZ	IP	18 05 30.3
	IS	05 41.4
OCT 15		
COL	EP	18 45 09.5
OCT 15		
ADK	IP	19 04 42.3
	IS	04 54.5
OCT 15		
SJG	EP	19 30 53.5
OCT 15		
H-20 34 53.0		
23.5S 175.3W		
h ABOUT 33KM		
EUR	IP	20 47 19.6
BCN	E(P)	20 47 21.5
BMO	E(P)	20 47 31.6
BOZ	EP	20 47 48.0
COL	EP	20 48 06.0
OCT 15		
BUT	EP	21 58 41.8
OCT 15		
HHM	EP	21 59 26.2
	E	22 00 03.2
OCT 15		
H-22 39 22.0		
23.6S 175.4W		
h ABOUT 40KM		
EUR	E(P)	22 51 47.5
	EpP	51 59.3
OCT 15		
UKI	E(P)	22 59 55.5
EUR	IP	23 00 51.9
BMO	IP	23 00 53.4
BOZ	EP	23 01 45.5
OCT 16		
TUC	E(P)	01 17 22.0
OCT 16		
ADK	IP	03 08 16.3
	IS	08 34.3
OCT 16		
SJG	EP	05 20 36.5
	EL	21 39.5
OCT 16		
COL	EP	05 52 32.0
OCT 16		
H-06 48 37.4		
19.8S 071.0W		
h ABOUT 27KM		
SJG	EP	06 55 51.5
	EpP	56 00.6
	I	56 30.9
	ES	01 38.0
CSC	EP	06 58 03.0
	EpP	58 11.5
ALQ	IP	06 59 10.8
TUC	EP	06 59 13.0
BCN	EP	06 59 45.4
RCD	EP	06 59 49.0
	EpP	59 58.0

Date and Station	Phase (GCT)
	h m s
EUR IP	07 00 04.0
SLD EP	07 00 12.5
BOZ IP	07 00 17.5
BUT EP	07 00 19.8
BMO EP	07 00 29.8
HHM EP	07 00 36.2
NEW EP	07 00 41.0
OCT 16	
ADK IP	07 40 57.6
OCT 16	
SJG EP	07 43 45.5
EL	43 48.0
OCT 16	
H-09 13 32.2	
29.7N 142.4E	
h ABOUT 60KM	
GUA E(P)	09 17 16.5
ADK IP D	09 20 40.7
COL EP	09 22 58.0
NEW IP	09 25 08.0
BMO EP	09 25 16.7
HHM IP	09 25 19.2
SLD IP C	09 25 22.6
BUT EP	09 25 29.3
BOZ EP	09 25 34.0
EUR IP	09 25 35.6
BCN IP	09 25 45.8
RCD EP	09 26 04.8
TUC EP	09 26 13.5
ALQ IP	09 26 21.4
OCT 16	
H-09 26 37.8	
30.0N 68.6E	
h ABOUT 42KM	
COL EP	09 38 51.0
OCT 16	
BMO E(P)	10 00 44.5
OCT 16	
COL E(P)	10 33 56.5
OCT 16	
NEW EP	11 26 23.0
OCT 16	
LVN IP	12 06 28.5
IS	06 48.0

Date and Station	Phase (GCT)
	h m s
BCN EP	12 06 46.4
IS	07 07.1
GCA EP	12 06 59.0
IS	07 25.6
EUR EP	12 07 03.1
ALQ I(P)	12 08 14.2
OCT 16	
SJG EP	12 36 16.5
EL	37 07.0
OCT 16	
H-12 55 30.8	
56.1S 027.2W	
h ABOUT 101KM	
SJG EP	13 07 33.5
ALQ IP'	13 13 56.2
TUC EP'	13 13 56.8
RCD EP'	13 14 06.1
EUR IP'	13 14 12.4
SLD IP'C	13 14 14.8
E▸P'	14 41.2
BOZ IP'C	13 14 17.0
IPP	15 55.5
ESKP	17 43.5
BMO IP'	13 14 20.8
EPP	16 12.7
HHM IP'	13 14 22.2
NEW IP'	13 14 24.2
E▸P'	14 50.0
COL EP'	13 15 02.0
I	15 09.6
OCT 16	
ADK EP	13 11 35.0
E	11 46.4
I	13 00.5
OCT 16	
ADK IP	13 16 04.5
OCT 16	
BOZ EP C	13 24 05.5
EUR IP	13 24 12.1
OCT 16	
COL EP	13 30 49.9
E	31 07.5
EUR E(P)	13 31 27.0
I	31 49.6
OCT 16	
COL E(P)	15 09 24.7
OCT 16	
COL EP	16 23 28.0
EUR EP	16 23 32.0

Date and Station	Phase (GCT)
	h m s
OCT 16	
COL EP	16 35 13.0
OCT 16	
COL EP	17 14 36.0
OCT 16	
COL EP	18 25 23.4
OCT 16	
BHP IP C	18 26 39.5
IS	27 19.3
OCT 16	
SJG EP	21 16 37.5
IS	17 03.0
OCT 16	
H-22 22 40.5	
34.2N 136.9E	
h ABOUT 355KM	
BMO EP	22 33 53.4
EUR EP	22 34 15.2
OCT 16	
SJG EP	22 28 16.5
EL	29 18.0
OCT 17	
COL EP	01 48 56.0
BMO E(P)	01 52 00.4
BOZ EP	01 52 22.0
EUR EP	01 52 33.1
OCT 17	
ADK IP	03 08 16.3
IS	08 34.3
COL EP	03 10 02.0
OCT 17	
SLD EP	03 40 53.2
IS	41 22.3
EUR IP	03 41 09.8
OCT 17	
H-03 57 48.3	
11.1S 166.9E	
h ABOUT 25KM	
COL EP	04 10 11.2
E▸P	10 17.4
SLD E(P)	04 10 11.5
I▸P	10 19.2
EUR EP	04 10 34.0
I▸P	10 41.1
EPP	13 54.8
BCN EP	04 10 34.7
E▸P	10 41.8
BMO EP	04 10 36.9
TUC E(P)	04 10 44.5
E▸P	10 53.7

Date and Station	Phase (GCT)
	h m s
NEW E(P)	04 10 48.0
SLC E(P)	04 10 50.8
HHM E(P)	04 10 59.0
SJG EP'	04 17 02.0
OCT 17	
COL E(P)	04 43 23.1
EUR IP	04 43 48.3
OCT 17	
ALQ I(P)	05 47 45.3
EUR IP	05 47 46.6
TUC EP	05 47 58.2
OCT 17	
ADK IP	07 16 37.0
OCT 17	
H-07 30 11.4	
23.6S 179.9E	
h ABOUT 550KM	
ADK IP	07 40 57.6
TUC EP	07 41 58.1
EUR IP	07 41 58.9
ALQ IP	07 42 18.0
COL IP	07 42 19.5
E	44 20.7
OCT 17	
COL EP	07 39 36.0
OCT 17	
BCN EP	08 45 04.3
IS	45 24.2
GCA EP	08 45 14.0
IS	45 40.4
EUR EP	08 45 18.3
I	45 24.8
E(S)	45 52.4
TUC E(P)	08 46 07.3
OCT 17	
H-08 51 44.8	
11.2S 167.1E	
h ABOUT 45KM	
COL EP	09 04 04.8
EUR IP	09 04 28.7
BMO E(P)	09 04 29.6
OCT 17	
H-09 13 25.0	
11.2S 167.0E	
h ABOUT 33KM	
COL EP	09 25 48.6
EUR IP	09 26 10.2

Date and Station	Phase (GCT)
	h m s
OCT 17	
TUC EP	09 37 07.7
EUR EP	09 38 28.5
OCT 17	
EUR EP	09 50 23.5
OCT 17	
H-10 15 38.7	
11.0S 166.8E	
h ABOUT 35KM	
GUA EP	10 22 09.0
ES	27 19.0
COL EP	10 28 00.4
SLD EP	10 28 00.8
EUR IP C	10 28 23.2
I	28 29.7
EPP	31 42.9
BCN EP	10 28 24.0
NEW EP	10 28 31.0
TUC E(P)	10 28 34.4
ES	39 13.0
SLC E(P)	10 28 39.4
E	28 46.9
HHM EP	10 28 41.4
BOZ IP C	10 28 45.3
I	28 53.0
EPP	32 22.5
ALQ E(P)	10 28 55.5
SJG EP'	10 34 49.2
OCT 17	
COL E(P)	10 41 25.8
EUR E(P)	10 41 36.5
OCT 17	
COL EP	10 55 09.3
OCT 17	
H-11 11 55.7	
13.5S 074.6W	
h ABOUT 107KM	
ALQ IP	11 21 31.4
TUC E(P)	11 21 33.5
EUR IP	11 22 29.0
SLD EP	11 22 38.5
COL EP	11 25 08.0
OCT 17	
H-12 09 23.0	
11.1S 167.1E	
h ABOUT 33KM	
COL EP	12 21 42.8

Date and Station	Phase (GCT)
	h m s
EUR IP	12 22 07.6
OCT 17	
H-12 35 55.3	
10.5S 161.5E	
h ABOUT 32KM	
COL EP	12 48 24.0
SLD E(P)	12 48 37.0
EUR IP C	12 48 58.0
I▸P	49 08.5
I	49 15.3
EPP	52 38.7
BMO EP	12 48 58.6
E	49 09.2
BCN EP	12 48 58.9
NEW EP	12 49 03.0
E▸P	49 13.0
TUC EP	12 49 10.2
E▸P	49 20.2
BOZ E(P)	12 49 16.5
ALQ IP	12 49 28.2
OCT 17	
BOZ EP	12 48 05.5
EL	48 14.5
OCT 17	
EUR E(P)	13 07 03.3
OCT 17	
H-13 09 40.7	
52.9N 163.9W	
h ABOUT 39KM	
ADK EP	13 11 35.0
E	11 46.4
IS	13 00.5
COL E(P)	13 13 00.0
NEW IP	13 15 43.7
I▸P	15 55.0
BOZ EP C	13 16 23.5
EUR IP D	13 16 32.2
I▸P	16 43.8
TUC E(P)	13 17 29.8
ALQ IP	13 17 44.2
IPCP	19 30.5
OCT 17	
TUC EP	13 31 37.0
EUR E(P)	13 31 41.5
OCT 17	
H-13 48 53.8	
11.1S 166.8E	
h ABOUT 25KM	
COL EP	14 01 15.8

Date and Station	Phase (GCT)
	h m s
SLD EP	14 01 19.0
EUR IP	14 01 39.6
NEW EP	14 01 49.0
TUC E(P)	14 01 53.0
BUT EP	14 02 01.9
OCT 17	
H-14 41 07.3	
21.2S 175.6W	
h ABOUT 225KM	
GUA EP	14 49 54.0
TUC EP	14 53 02.4
EUR IP	14 53 04.1
BMO EP	14 53 15.9
E	53 44.6
BOZ EP	14 53 34.2
E	53 54.0
COL EP	14 53 34.5
OCT 17	
EUR EP	15 02 37.4
OCT 17	
EUR E(P)	16 25 44.5
OCT 17	
H-16 30 44.2	
43.6N 146.9E	
h ABOUT 59KM	
COL EP	16 38 27.2
E	38 38.9
EUR EP	16 41 43.3
OCT 17	
COL E(P)	17 14 07.4
EUR E(P)	17 14 30.2
OCT 17	
SJG E(P)	17 52 59.5
ES	53 23.5
OCT 17	
SJG EP	18 15 45.3
ES	16 04.3
OCT 17	
COL EP	18 20 40.3
OCT 17	
H-18 20 07.9	
22.4S 179.2E	
h ABOUT 634KM	
GUA IP	18 28 00.0
ADK EP	18 30 40.3
SLD EP	18 31 23.2
BCN EP	18 31 40.3

Date and Station	Phase (GCT)
	h m s
EUR IP D	18 31 45.5
IPCP	31 53.2
E▸P	34 06.3
TUC IP D	18 31 46.3
E▸P	34 01.8
SLC EP	18 32 01.3
E▸P	34 21.9
NEW EP	18 32 04.0
ALQ IP	18 32 05.7
BOZ EP D	18 32 12.5
E	32 46.5
SJG EP'	18 37 46.0
OCT 17	
ALQ E(P)	18 34 20.5
BOZ EP C	18 34 28.0
OCT 17	
BMO EP	20 20 59.8
BOZ E(P)	20 21 43.2
E	22 06.0
EUR IP	20 22 02.2
ALQ E(P)	20 23 40.5
OCT 17	
H-20 29 03.6	
4.3S 143.4E	
h ABOUT 115KM	
SJG EP'	20 49 00.6
E	49 19.5
OCT 17	
BOZ EP	20 58 28.5
ES	58 40.5
OCT 17	
H-21 00 47.0	
08.2N 039.2W	
h ABOUT 33KM	
BOZ E(P)	21 12 05.5
E	12 25.5
EUR EP	21 12 25.2
OCT 17	
BOZ E(P)	21 01 19.5
OCT 17	
H-21 41 54.7	
10.7S 078.8W	
h ABOUT 24KM	
BHP IP C	21 46 22.6
IL	53 16.0
SJG IP C	21 48 14.4
CSC IP	21 50 05.9
E	50 17.5
ESCP	55 29.0
WSC EP	21 50 45.6

Date and Station	Phase (GCT)
	h m s
PHI IP	21 50 55.1
ALQ IP	21 51 08.4
TUC EP	21 51 09.0
CHK EP	21 51 11.3
E(S)	58 35.3
BCN EP C	21 51 45.0
E▸P	51 53.2
E	55 17.0
ES	59 45.5
EP'P'	22 21 37.4
LVN EP	21 51 47.0
RCD EP	21 51 53.0
EPCP	52 45.0
ES	22 00 00.0
FGU IP C	21 51 53.1
ES	22 00 15.9
EP'P'	21 35.9
SLC EP	21 51 59.3
ES	22 00 07.9
EUR IP C	21 52 07.8
SLD EP	21 52 16.2
ISCP	56 33.5
I	57 15.0
E(S)	22 01 56.5
IP'P'	21 38.0
BOZ IP C	21 52 23.0
BUT EP	21 52 26.5
EPCP	53 32.3
E(PP)	54 10.5
E(S)	22 01 06.3
UKI E(P)	21 52 33.5
E(S)	22 01 17.0
EP'P'	21 30.5
HHM IP	21 52 45.6
IPCP	53 10.3
I	53 34.3
EP'P'	22 21 16.3
NEW IP	21 52 52.2
ES	22 01 50.0
HON E(P)	21 54 31.0
COL IP C	21 54 57.2
IPP	59 02.0
ISKS	22 05 26.0
EPKKP	12 28.0
ADK IP	21 55 56.5
GUA EP'	22 01 20.0
OCT 17	
H-21 53 14.0	
10.6S 78.2W	
h ABOUT 43KM	
BCN EP	22 03 02.2

Date and Station	Phase (GCT)
	h m s
FGU IP	22 03 10.5
I▸P	03 23.9
SLD EP	22 03 34.6
NEW IP	22 04 10.5
COL IP D	22 06 15.5
OCT 17	
COL IP C	22 24 42.2
OCT 17	
H-22 26 40.4	
10.7S 078.7W	
h ABOUT 25KM	
SJG EP	22 33 00.0
OCT 17	
COL EP	22 39 43.0
OCT 17	
FGU IP C	22 40 15.2
IS	40 16.2
OCT 17	
SJG IP	22 40 41.4
IS	41 00.5
OCT 17	
H-23 04 23.3	
10.3S 078.6W	
h ABOUT 41KM	
SJG IP	23 10 37.5
I▸P	10 51.0
BCN E(P)	23 14 11.5
HHM EP	23 15 10.8
NEW IP	23 15 17.8
COL IP	23 17 23.4
OCT 17	
FGU IP	23 05 53.5
IS	05 54.6
OCT 17	
H-23 32 37.3	
10.7S 078.8W	
h ABOUT 30KM	
SJG EP	23 38 55.5
BCN E(P)	23 42 27.0
HHM E(P)	23 43 31.7
NEW EP	23 43 33.0
COL EP	23 45 38.0
OCT 17	
H-23 46 51.5	
10.0S 079.5W	
h ABOUT 39KM	
BHP IP D	23 51 14.7
SJG IP	23 53 06.5

Date and Station	Phase (GCT)
	h m s
CSC EP	23 54 59.2
E	55 07.0
ALQ E(P)	23 55 54.5
TUC EP	23 55 56.5
BCN EP	23 56 34.9
SLC E(P)	23 56 52.6
SLD EP	23 57 06.5
BUT E(P)	23 57 20.3
HHM E(P)	23 57 35.7
NEW EP	23 57 41.0
COL EP	23 59 47.0
OCT 18	
SJG EP	00 13 13.5
OCT 18	
ALQ E(P)	00 15 35.6
OCT 18	
H-01 03 44.0	
10.8S 78.9W	
h ABOUT 40KM	
SJG EP	01 10 02.0
ALQ E(P)	01 12 57.0
EUR E(P)	01 13 55.5
NEW EP	01 14 40.0
OCT 18	
EUR E(P)	01 50 56.0
OCT 18	
H-01 53 43.0	
10.1S 78.6W	
h ABOUT 33KM	
EUR E(P)	02 03 53.2
OCT 18	
H-01 56 16.5	
10.6S 078.9W	
h ABOUT 40KM	
SJG EP	02 02 33.8
ALQ E(P)	02 05 26.0
E	05 34.5
EUR EP	02 06 28.0
BOZ E(P)	02 06 48.5
COL EP	02 09 16.0
OCT 18	
H-02 33 30.7	
18.4N 145.6E	
h ABOUT 74KM	
GUA IP	02 34 43.0
I	35 03.0

Date and Station	Phase (GCT)
	h m s
COL EP	02 43 55.0
NEW IP	02 45 40.4
EUR IP	02 45 58.7
BOZ EP C	02 46 03.1
E	46 19.5
OCT 18	
H-02 37 46.7	
11.1S 166.7E	
h ABOUT 39KM	
COL EP	02 50 08.0
EUR IP	02 50 31.8
BOZ EP	02 50 53.5
OCT 18	
EUR E(P)	03 39 32.4
OCT 18	
H-04 03 13.6	
23.3S 179.2E	
h ABOUT 585KM	
ADK EP	04 13 55.8
SLD IP D	04 14 36.1
BCN EP	04 14 53.6
TUC EP	04 14 58.2
EUR IP	04 14 58.2
SLC E(P)	04 15 14.2
COL EP	04 15 17.0
BOZ EP	04 15 25.0
OCT 18	
COL EP	04 17 27.0
OCT 18	
H-04 42 55.3	
11.3S 078.5W	
h ABOUT 25KM	
SJG EP	04 49 18.8
E	49 27.0
ALQ IP	04 52 13.3
EUR IP	04 53 12.1
BOZ E(P)	04 53 25.0
OCT 18	
H-06 13 42.0	
37.4N 114.1W	
h ABOUT 33KM	
BCN EP	06 14 07.2
IS	14 21.1
EUR EP	06 14 22.2
I	14 29.8
E(S)	15 00.0
ALQ E(P)	06 15 36.5

Date and Station	Phase	(GCT) h m s
OCT 18		
SJG	IP	06 17 24.0
	IS	17 48.0
OCT 18		
BOZ	E(P)	06 19 14.0
OCT 18		
SJG	EP	06 51 52.0
OCT 18		
H-07 40 53.0		
27.1S 71.1W		
h ABOUT 33KM		
EUR	EP	07 52 53.0
BOZ	E(P)	07 53 06.5
OCT 18		
SJG	EP	08 20 27.2
OCT 18		
H-08 26 07.7		
10.6S 079.5W		
h ABOUT 30KM		
SJG	EP	08 32 27.5
	E	32 34.0
ALQ	IP	08 35 15.7
TUC	EP	08 35 17.0
BCN	EP	08 35 53.8
	E	36 11.4
EUR	IP	08 36 15.8
SLD	EP	08 36 24.4
BOZ	EP	08 36 33.5
	E	36 40.5
NEW	IP	08 37 02.3
COL	IP	08 39 07.8
OCT 18		
H-09 00 01.0		
11.0S 78.8W		
h ABOUT 33KM		
EUR	E(P)	09 10 13.2
OCT 18		
EUR	EP	09 22 53.0
OCT 18		
BCN	EP	10 31 05.5
	ES	31 25.1
EUR	EP	10 31 19.4
	I	31 26.2
	E(S)	31 49.7
OCT 18		
H-10 58 41.3		
17.9S 178.5W		
h ABOUT 570KM		
EUR	IP	11 10 01.6
TUC	IP	11 10 03.7
NEW	EP	11 10 20.0
BOZ	EP	11 10 29.4
OCT 18		
H-11 02 02.9		
10.8S 079.2W		
h ABOUT 25KM		
SJG	EP	11 08 23.5
ALQ	E(P)	11 11 16.0
EUR	IP	11 12 15.8
BOZ	EP	11 12 31.0
	E▸P	12 44.5
NEW	EP	11 13 01.0
COL	IP	11 15 05.5
OCT 18		
SJG	IP D	11 39 28.5
	IS	39 53.8
OCT 18		
COL	E(P)	11 43 54.1
BOZ	E(P)	11 47 20.0
EUR	IP	11 47 48.0
OCT 18		
COL	EP	12 11 59.0
OCT 18		
BOZ	EP	12 28 55.5
	EL	29 06.0
OCT 18		
H-12 52 12.8		
10.9S 79.2W		
h ABOUT 25KM		
SJG	EP	12 58 34.5
	I▸P	58 42.5
ALQ	E(P)	13 01 26.2
EUR	E(P)	13 02 25.0
BOZ	E(P)	13 02 40.7
NEW	EP	13 03 12.0
COL	EP	13 05 16.0
OCT 18		
COL	E(P)	14 25 13.8
OCT 18		
H-15 04 55.0		
35.9N 138.1E		
h ABOUT 90KM		
COL	EP	15 13 53.8
BMO	IP	15 16 24.5
EUR	EP	15 16 47.1
OCT 18		
BOZ	IP	16 57 50.0
	IL	58 05.5
HHM	E(P)	16 58 46.6
	EL	59 44.1
OCT 18		
BUT	E(P)	17 02 56.7
HHM	E(P)	17 03 42.1
	E	04 20.5
OCT 18		
H-17 43 16.1		
15.1N 148.0E		
h ABOUT 32KM		
GUA	IP	17 44 07.0
	IS	44 42.0
NEW	EP	17 55 35.0
EUR	EP	17 55 51.5
OCT 18		
H-17 58 12.0		
37.3N 114.2W		
h ABOUT 33KM		
BCN	EP	17 58 36.5
	IS	58 56.0
GCA	EP	17 58 48.5
	IS	59 13.6
EUR	IP	17 58 52.0
ALQ	E(P)	17 59 56.2
OCT 18		
H-18 43 34.8		
03.6N 074.5W		
h ABOUT 40KM		
SJG	EP	18 47 22.5
	I	47 35.0
	IS	50 15.0
ALQ	IP	18 51 33.6
	I	51 50.4
TUC	IP	18 51 44.9
RCD	EP	18 52 08.0
	E▸P	52 20.0
BCN	EP	18 52 23.4
EUR	IP	18 52 41.8
BOZ	E(P)	18 52 47.5
	E▸P	53 00.0
NEW	EP	18 53 21.0
	E	53 40.0
	EPCP	54 17.0
COL	EP	18 55 52.0
OCT 18		
HHM	E(P)	18 59 11.6
OCT 18		
H-20 06 50.7		
11.0S 167.0E		
h ABOUT 25KM		
COL	E(P)	20 19 03.0
	I	19 13.3
EUR	IP	20 19 36.8
BMO	E(P)	20 19 38.3
OCT 18		
H-20 34 37.4		
24.3N 094.9E		
h ABOUT 85KM		
EUR	EP'	20 53 08.6
OCT 18		
H-20 49 51.8		
11.1S 166.7E		
h ABOUT 33KM		
COL	EP	21 02 15.0
EUR	EP	21 02 37.5
BMO	E(P)	21 02 39.8
	E	02 46.9
BCN	E(P)	21 02 44.5
OCT 18		
BOZ	EP	20 59 08.5
	ES	59 20.0
OCT 18		
H-21 15 20.9		
3.7S 151.8E		
h ABOUT 5KM		
COL	EP	21 27 38.0
EUR	E(P)	21 28 21.5
OCT 18		
EUR	E(P)	21 33 25.0
OCT 18		
ALQ	IP	22 00 55.0
OCT 18		
BCN	E(P)	22 11 27.9
OCT 18		
H-22 27 35.6		
15.1S 174.2W		
h ABOUT 120KM		
BCN	IP C	22 39 09.5
	E	39 20.3
EUR	IP C	22 39 15.0
	EPP	42 06.9
TUC	EP	22 39 16.0
GCA	IP	22 39 25.5
NEW	EP	22 39 36.0
ALQ	IP	22 39 39.6

Date and Station	Phase (GCT)
	h m s
COL IP	22 39 44.4
OCT 18	
BOZ EP	22 28 05.0
ES	28 16.0
OCT 18	
ADK EP	23 20 36.5
I	21 06.5
COL EP	23 24 21.0
NEW IP	23 27 03.1
EUR IP	23 27 50.4
OCT 18	
EUR E(P)	23 45 11.8
OCT 19	
EUR EP	00 17 27.8
OCT 19	
H-00 51 04.3	
10.8S 079.0W	
h ABOUT 25KM	
SJG EP	00 57 24.0
ALQ IP	01 00 17.0
I	00 26.2
EUR E(P)	01 01 16.5
OCT 19	
SJG EP	01 13 33.6
OCT 19	
SJG EP	01 20 08.3
OCT 19	
H-02 17 44.3	
10.3S 079.5W	
h ABOUT 33KM	
SJG EP	02 24 02.0
ALQ IP	02 26 50.2
EUR IP	02 27 51.1
BMO EP	02 28 19.4
NEW EP	02 28 38.0
COL EP	02 30 43.0
OCT 19	
H-03 21 23.0	
10.6S 166.7E	
h ABOUT 35KM	
COL EP	03 33 44.0
EUR IP	03 34 07.0
OCT 19	
H-03 57 57.7	
49.7N 078.0E	
h ABOUT 0KM	
BRW IP	04 07 18.0
COL IP	04 08 08.8
ADK EP	04 08 11.2
NEW IP	04 10 18.0
BOZ EP	04 10 34.2
EUR IP	04 11 03.0
SLD IP	04 11 10.7
BCN EP	04 11 20.1
TUC EP	04 11 38.3
OCT 19	
COL EP	04 31 47.0
OCT 19	
BOZ E(P)	04 59 52.7
OCT 19	
BCN EP	05 09 03.4
ES	09 23.8
OCT 19	
BCN EP	05 24 03.4
GCA EP	05 24 13.3
ES	24 39.2
EUR EP	05 24 17.5
I	24 23.1
ES	24 57.2
OCT 19	
H-06 05 56.0	
11.1S 79.1W	
h ABOUT 33KM	
ALQ IP	06 15 09.8
EUR IP	06 16 08.6
NEW IP	06 16 54.2
OCT 19	
H-06 13 06.8	
14.0N 091.6W	
h ABOUT 35KM	
TUC E(P)	06 18 35.5
EUR IP	06 19 45.2
BMO EP	06 20 21.0
OCT 19	
H-06 30 38.9	
22.4N 142.0E	
h ABOUT 292KM	
GUA IP	06 32 48.0
ADK EP	06 38 13.4
COL IP	06 40 26.5
NEW IP	06 42 20.1
SLD IP C	06 42 28.3
HHM EP	06 42 30.0
BOZ E(P)	06 42 32.5
BUT EP	06 42 37.6
EUR IP C	06 42 42.8
I▸P	43 48.0
E(PP)	46 02.3
BCN IP	06 42 55.4
E	43 56.5
TUC EP	06 43 15.5
ALQ IP	06 43 24.4
IPP	47 11.2
OCT 19	
SJG EP	06 52 17.0
OCT 19	
EUR EP	07 05 29.4
OCT 19	
H-07 25 41.7	
11.4S 78.4W	
h ABOUT 30KM	
ALQ IP	07 35 00.5
EUR EP	07 35 58.5
OCT 19	
H-08 01 33.8	
01.5S 015.4W	
h ABOUT 33KM	
SJG EP	08 10 52.0
ES	18 28.0
EP'P'	41 36.0
BHP IP D	08 12 13.0
I	13 35.0
WSC EP	08 12 41.7
IPCP	13 03.0
CSC E(P)	08 12 48.8
E	14 11.5
E(S)	22 30.0
ALQ IP	08 14 41.0
I	14 59.0
IPP	18 35.0
BOZ E(P)	08 14 54.5
TUC E(P)	08 14 56.0
HHM E(P)	08 15 07.0
SLC E(P)	08 15 13.9
E	15 42.8
E(S)	26 38.8
EUR IP C	08 15 15.2
I	15 34.7
I	18 47.2
I(PP)	19 26.5
ESP	27 25.4
EPKKP	31 46.0
BCN E(P)	08 15 28.9
IPP	19 33.6
SLD EP	08 15 55.5
IPP	20 09.6
E	20 30.1
COL EP'	08 19 46.0
E	28 24.0
GUA EP'	08 21 42.0
E	27 06.0
OCT 19	
EUR EP	08 14 03.9
OCT 19	
BHP IP C	08 55 14.0
IS	55 48.0
OCT 19	
BCN EP	09 55 27.3
IS	55 46.2
GCA EP	09 55 37.0
IS	56 03.5
EUR EP	09 55 42.2
E	55 47.4
E(S)	56 13.2
IL	56 22.7
OCT 19	
BOZ EP	10 57 32.0
ES	57 44.5
OCT 19	
H-11 22 14.8	
12.5S 166.9E	
h ABOUT 220KM	
SLD EP	11 34 20.0
COL IP	11 34 22.3
BCN EP C	11 34 42.0
E▸P	35 35.6
EUR IP C	11 34 42.1
E▸P	35 35.2
NEW IP	11 34 50.5
TUC IP C	11 34 52.0
E▸P	35 47.0
SLC EP	11 34 58.4
E▸P	35 52.0
BOZ E(P)	11 35 02.0
ALQ IP	11 35 11.0
I▸P	36 07.2
SJG EP'	11 40 56.7
OCT 19	
BOZ EP	11 37 34.5
ES	35 47.5
OCT 19	
BMO E(P)	11 52 16.0
E	52 23.8
OCT 19	
BHP IP C	12 37 44.0
IS	38 30.0

Date and Station	Phase (GCT)
	h m s
OCT 19	
H-12 42 34.4	
7.8S 127.0E	
h ABOUT 183KM	
EUR EP'	13 00 56.6
E>P'	01 43.7
ALQ IP'	13 01 13.6
OCT 19	
SJG EP	13 03 09.5
OCT 19	
BOZ E(P)	13 15 54.5
OCT 19	
H-14 28 28.3	
3.0N 078.7W	
h ABOUT 39KM	
SJG EP	14 32 55.3
I	33 01.0
ALQ IP	14 36 09.8
E	36 19.0
TUC E(P)	14 36 16.8
EUR IP	14 37 19.1
BOZ E(P)	14 37 29.5
BMO E(P)	14 37 51.0
NEW EP	14 38 03.0
COL E(P)	14 40 36.0
OCT 19	
EUR EP	15 08 59.6
OCT 19	
EUR EP	16 25 26.0
OCT 19	
H-16 34 47.3	
18.1N 145.7E	
h ABOUT 145KM	
GUA EP	16 35 57.0
ES	36 52.0
COL E(P)	19 45 41.0
NEW EP	16 46 50.0
EUR IP	16 47 07.8
OCT 19	
H-17 37 56.9	
10.8S 79.0W	
h ABOUT 43KM	
SJG EP	17 44 14.8
E	44 23.8
TUC E(P)	17 47 03.8
EUR IP	17 48 06.8
NEW EP	17 48 51.0
COL EP	17 50 57.5

Date and Station	Phase (GCT)
	h m s
OCT 19	
SLD E(P)	17 48 33.9
OCT 19	
ALQ IP	18 15 40.8
I	16 06.2
OCT 19	
ALQ EP	18 27 41.5
OCT 19	
BMO E(P)	18 56 25.1
OCT 19	
EUR E(P)	18 59 40.8
OCT 19	
H-19 25 38.4	
51.2N 159.2E	
h ABOUT 29KM	
COL IP	19 31 46.3
EUR IP	19 35 27.4
OCT 19	
EUR EP	19 30 28.0
E	30 51.5
OCT 19	
H-19 36 25.8	
51.2N 159.0E	
h ABOUT 41KM	
COL EP	19 42 34.0
NEW EP	19 45 27.0
BMO E(P)	19 45 43.0
BOZ E(P)	19 46 00.0
EUR IP	19 46 14.2
ALQ IP	19 47 12.0
OCT 19	
H-20 35 40.0	
51.1N 159.2E	
h ABOUT 38KM	
COL EP	20 42 48.4
EUR EP	20 45 27.8
OCT 19	
ALQ IP	20 56 34.4
OCT 19	
COL IP C	21 12 21.9
IS	12 45.5
OCT 19	
EUR E(P)	21 25 19.5
OCT 19	
BUT EP	21 49 26.3
OCT 19	
H-22 23 37.0	
10.8S 079.0W	
h ABOUT 33KM	
COL EP	22 36 39.0

Date and Station	Phase (GCT)
	h m s
OCT 19	
EUR E(P)	22 45 21.5
OCT 19	
EUR E(P)	22 55 44.4
OCT 19	
FGU IP C	23 01 44.5
IS	01 50.3
OCT 19	
BOZ EP	23 08 32.3
EL	08 55.2
HHM E(P)	23 08 35.6
E	09 05.4
OCT 19	
NEW EP	23 10 02.0
OCT 20	
H-00 53 39.8	
33.6N 078.6E	
h ABOUT 33KM	
COL IP	01 05 22.3
OCT 20	
COL E(P)	01 08 11.5
OCT 20	
ADK E(P)	03 08 23.2
E	09 10.9
OCT 20	
BCN E(P)	03 14 35.0
EL	15 21.7
TUC EPN	03 14 39.2
GCA EP	03 15 03.2
I	15 15.2
EL	16 19.2
EUR EP	03 15 19.4
EL	17 13.5
ALQ EP	03 15 36.0
OCT 20	
COL EP	03 22 57.0
OCT 20	
COL EP	03 35 21.0
OCT 20	
H-03 40 07.2	
13.1N 089.7W	
h ABOUT 67KM	
BMO E(P)	03 47 33.0
OCT 20	
BMO E(P)	03 49 41.7
OCT 20	
EUR EP	04 01 45.9
OCT 20	
SJG IP C	04 13 22.5
IS	13 47.0
OCT 20	
BOZ E(P)	04 25 22.0

Date and Station	Phase (GCT)
	h m s
OCT 20	
EUR E(P)	04 36 28.1
OCT 20	
COL E(P)	04 43 44.5
OCT 20	
COL EP	05 03 51.0
OCT 20	
EUR E(P)	05 10 32.6
OCT 20	
EUR E(P)	07 12 20.0
OCT 20	
EUR E(P)	08 01 42.7
EL	02 52.4
BCN E(P)	08 01 57.0
OCT 20	
BMO E(P)	08 28 55.0
OCT 20	
BMO E(P)	08 50 19.1
EUR IP C	08 50 32.3
OCT 20	
EUR IP	08 59 02.8
BMO E(P)	08 59 36.9
OCT 20	
H-09 19 15.3	
39.6N 111.1W	
h ABOUT 33KM	
FGU EP	09 19 46.9
IS	20 13.4
ILG	20 16.1
GCA E(P)	09 19 56.5
EL	20 30.5
EUR E(P)	09 20 12.0
OCT 20	
H-09 38 34.7	
44.2N 012.1E	
h ABOUT 42KM	
BMO EP	09 50 44.5
OCT 20	
EUR EP	10 00 08.0
IS	00 41.4
OCT 20	
ADK EP	10 14 39.0
OCT 20	
BCN EP	10 36 39.5
TUC EP	10 36 41.8
GCA EP	10 37 05.5
I	37 17.3
EL	38 26.0
EUR EP	10 37 22.6

Date and Station	Phase (GCT)
	h m s
OCT 20	
COL EP	12 21 45.0
OCT 20	
H-13 35 50.1	
15.4S 167.6E	
h ABOUT 139KM	
COL EP	13 48 19.0
EUR EP	13 48 33.7
I▸P	49 08.8
BMO EP	13 48 37.7
E▸P	49 12.0
TUC E(P)	13 48 41.2
E▸P	49 16.9
SJG EP'	13 54 41.2
OCT 20	
BMO EP	14 05 59.6
OCT 20	
H-14 25 39.8	
35.1N 117.3W	
h ABOUT 16KM	
LVN IP	14 26 14.0
ES	26 43.5
SLD E(P)	14 26 38.5
I	26 43.5
IL	27 28.5
EUR IP	14 26 49.0
IPG	27 03.7
ILG	28 01.5
GCA IP C	14 26 56.4
IL	28 15.0
TUC EPN	14 27 09.1
EPG	27 36.0
ELG	28 51.0
ALQ E(P)	14 28 05.8
E	28 25.5
ILG	30 17.0
OCT 20	
EUR EPN	14 59 57.5
EPG	15 00 12.4
ELG	01 13.5
OCT 20	
H-15 03 48.5	
3.7S 145.4E	
h ABOUT 28KM	
COL EP	15 16 12.0
BMO E(P)	15 17 17.5
SJG EP'	15 23 28.0
OCT 20	
EUR E(P)	15 12 06.7
EL	13 12.2

Date and Station	Phase (GCT)
	h m s
OCT 20	
H-15 41 43.3	
58.8S 025.5W	
h ABOUT 33KM	
COL IP'	16 01 36.7
OCT 20	
BCN E(P)	15 43 53.4
ES	44 21.0
GCA E(P)	15 44 10.6
E	44 37.0
EUR EP	15 44 14.4
I	44 20.6
IS	44 52.2
OCT 20	
ADK IP	18 15 32.0
IS	15 52.9
OCT 20	
EUR EP	18 19 25.2
E	19 52.2
OCT 20	
BCN E(P)	18 24 15.1
OCT 20	
H-18 28 40.5	
13.6N 091.8W	
h ABOUT 5KM	
EUR EP	18 35 23.4
BMO E(P)	18 36 01.1
OCT 20	
EUR E(P)	19 03 43.8
E	03 46.8
IS	04 20.8
OCT 20	
SJG EP	20 04 52.5
OCT 20	
EUR EP	20 38 54.1
OCT 20	
COL EP	21 33 07.0
OCT 20	
ALQ IP	22 28 14.0
I	29 05.6
OCT 20	
H-23 50 54.3	
10.7S 079.0W	
h ABOUT 39KM	
SJG EP	23 57 12.0
ALQ IP	24 00 04.4
EUR EP	24 01 03.7
COL EP	24 03 55.0
OCT 20	
NEW EP	23 51 54.0

Date and Station	Phase (GCT)
	h m s
OCT 21	
BHP IP	00 02 02.0
IS	02 50.0
OCT 21	
EUR EP	00 48 21.5
ES	49 03.7
OCT 21	
H-01 56 23.0	
26.5N 125.3E	
h ABOUT 113KM	
COL EP	02 06 52.0
NEW EP	02 08 56.0
BMO EP	02 09 06.2
BOZ EP	02 09 19.5
EUR EP	02 09 25.2
OCT 21	
SLD EP	04 19 56.4
IS	20 13.2
EUR E(P)	04 21 02.0
ILG	22 14.5
OCT 21	
SLD EP	04 22 36.6
ES	22 53.7
EUR E(P)	04 23 36.3
EPG	23 48.4
ILG	24 53.9
OCT 21	
BOZ EP	04 26 13.2
OCT 21	
COL EP	04 35 02.0
OCT 21	
NEW EP	05 08 33.0
EUR EP	05 09 00.6
OCT 21	
BOZ E(P)	05 13 45.4
OCT 21	
COL EP	05 58 33.0
OCT 21	
BMO EP	06 48 21.7
OCT 21	
NEW EP	07 01 03.0
OCT 21	
H-07 13 51.4	
38.2N 113.1W	
h ABOUT 29KM	
GCA IP C	07 14 20.0
IS	14 41.5
BCN EP	07 14 31.0
EUR IP	07 14 32.5
SLC EP	07 14 37.1

Date and Station	Phase (GCT)
	h m s
FGU IP	07 14 53.9
ILG	15 49.8
TUC E(P)	07 15 24.0
EL	16 57.0
BMO E(P)	07 15 44.4
BOZ E(P)	07 15 46.5
E	16 20.0
SLD E(P)	07 15 52.5
EL	17 16.5
OCT 21	
GCA EP	07 41 33.8
IS	41 54.9
OCT 21	
GCA EP	09 04 59.0
IS	05 25.0
EUR EPN	09 05 03.2
IPG	05 09.4
ES	05 32.1
OCT 21	
H-09 22 57.5	
03.7N 079.2W	
h ABOUT 33KM	
ALQ IP	09 30 32.0
OCT 21	
EUR EP	09 38 57.9
OCT 21	
H-10 33 25.2	
14.1N 91.1W	
h ABOUT 56KM	
ALQ IP	10 38 46.0
I	41 38.2
TUC EP	10 38 50.6
EUR IP	10 40 02.9
BOZ E(P)	10 40 22.2
E▸P	40 36.0
BMO EP	10 40 38.1
HHM E(P)	10 40 48.8
NEW EP	10 40 58.0
COL IP	10 43 49.9
IPCP	44 25.8
OCT 21	
H-10 36 16.0	
13.7N 91.2W	
h ABOUT 69KM	
BHP IP	10 39 11.0
I	39 22.0
CSC E(P)	10 41 09.8
E	41 38.6
TUC EP	10 41 43.0
BCN E(P)	10 42 14.8

Date and Station	Phase	(GCT)
		h m s
EUR	IP	10 42 53.7
BOZ	E(P)	10 43 07.5
BMO	EP	10 43 30.4
NEW	EP	10 43 50.0
ADK	E(P)	10 48 02.4
OCT 21		
TUC	EP	10 48 54.2
OCT 21		
SLD	E(P)	10 58 10.3
OCT 21		
H-11 18 26.0		
4.0N 032.9W		
h ABOUT 33KM		
TUC	E(P)	11 30 21.5
BMO	E(P)	11 30 50.2
OCT 21		
EUR	EP	11 35 28.0
OCT 21		
H-12 39 40.4		
27.8S 067.5W		
h ABOUT 67KM		
ALQ	IP	12 51 02.4
TUC	E(P)	12 51 02.6
BCN	E(P)	12 51 22.0
RCD	EP	12 51 36.0
EUR	IP	12 51 48.9
BMO	EP	12 52 12.1
HHM	E(P)	12 52 17.0
OCT 21		
H-15 04 44.7		
7.1S 146.0E		
h ABOUT 179KM		
COL	IP	15 17 07.8
OCT 21		
EUR	EP	15 06 49.5
OCT 21		
UKI	E(P)	16 11 13.3
	E(S)	11 19.8
OCT 21		
H-16 17 04.0		
39.5N 022.0E		
h ABOUT 56KM		
COL	EP	16 28 45.0
HHM	E(P)	16 29 21.0
BMO	EP	16 29 50.4
OCT 21		
ALQ	IP	17 32 28.5
	I	33 01.5
GCA	E(P)	17 32 33.8
	EL	34 07.5
OCT 21		
BCN	E(P)	19 17 38.0
OCT 21		
COL	IP	20 13 43.9
OCT 21		
BCN	EP	20 36 02.5
OCT 21		
EUR	EP	20 46 14.3
	ES	46 46.5
BCN	EP	20 46 19.0
OCT 21		
EUR	EP	22 00 26.4
	EL	01 13.8
OCT 21		
SJG	EP	22 12 46.5
	IS	13 20.0
OCT 21		
EUR	EP	22 15 17.0
	I	15 28.3
OCT 21		
SJG	EP	22 47 57.3
	IS	48 47.0
OCT 21		
SJG	EP	23 08 45.5
	IS	09 34.3
OCT 22		
ADK	IP	00 12 50.3
	IS	13 34.6
OCT 22		
BMO	E(P)	00 17 02.1
COL	EP	00 17 21.0
OCT 22		
H-00 18 17.5		
06.6N 082.3W		
h ABOUT 33KM		
BHP	IP D	00 19 10.5
	IL	20 01.0
SJG	EP	00 22 44.5
ALQ	E(P)	00 25 12.0
OCT 22		
EUR	EP	00 46 04.7
	E(S)	46 33.0
OCT 22		
RCD	E(P)	01 54 51.0
OCT 22		
H-03 03 24.0		
23.1N 094.4E		
h ABOUT 71KM		
COL	EP	03 15 27.4
TUC	EP'	03 22 09.2
OCT 22		
EUR	EP	03 06 51.5
OCT 22		
H-03 45 03.9		
6.8S 147.6E		
h ABOUT 59KM		
COL	EP	03 57 35.9
EUR	E(P)	03 58 42.3
SJG	EP'	04 04 36.5
	E	04 52.0
OCT 22		
TUC	E(P)	04 36 31.7
OCT 22		
EUR	EP	04 39 20.0
OCT 22		
BOZ	E(P)	04 43 00.0
	ES	44 11.7
OCT 22		
HHM	EP	04 44 49.1
OCT 22		
TUC	EP	04 55 53.3
OCT 22		
H-05 38 25.7		
41.9N 23.4E		
h ABOUT 32KM		
BMO	E(P)	05 51 08.1
OCT 22		
EUR	E(P)	06 22 25.3
TUC	EP	06 22 25.8
OCT 22		
H-07 45 51.0		
10.0N 70.7W		
h ABOUT 57KM		
SJG	EP	07 48 01.2
	ES	49 40.0
OCT 22		
H-07 49 00.0		
9.9N 70.7W		
h ABOUT 18KM		
SJG	EP	07 51 15.3
	ES	52 54.2
OCT 22		
H-08 19 32.9		
39.4N 118.1W		
h ABOUT 33KM		
EUR	IP	08 19 59.2
SLD	E(P)	08 20 34.5
	EL	21 17.2
BCN	E(P)	08 20 52.0
	E	20 47.2
OCT 22		
EUR	EP	08 30 20.5
OCT 22		
EUR	EP	08 38 49.6
OCT 22		
EUR	IP	08 52 36.2
OCT 22		
EUR	EP	09 03 56.6
OCT 22		
H-10 42 36.6		
33.3S 070.3W		
h ABOUT 103KM		
EUR	EP	10 54 57.2
OCT 22		
ALQ	IP	11 30 44.0
	I	31 48.5
OCT 22		
ALQ	IP	11 57 41.0
	I	57 58.2
OCT 22		
ADK	EP	12 07 10.2
OCT 22		
BMO	E(P)	12 23 28.3
OCT 22		
H-12 47 18.2		
55.2N 162.0E		
h ABOUT 59KM		
ADK	EP	12 50 19.4
	E(S)	52 35.2
COL	IP	12 52 48.5
NEW	IP	12 55 52.1
	E	56 18.0
BMO	IP	12 56 08.8
BOZ	EP	12 56 27.0
SLD	EP	12 56 34.3
EUR	IP	12 56 42.5
SLC	EP	12 56 51.5
	E	57 10.4
BCN	EP	12 57 04.9
	E	57 25.3
RCD	EP	12 57 05.5
	E	57 24.0
TUC	EP	12 57 39.0
	E	58 00.3
OCT 22		
SJG	EP	12 57 37.0
	IS	58 03.0
OCT 22		
H-13 14 11.4		
26.3S 027.4E		
h ABOUT 16KM		
BMO	EP'	13 33 54.2

Date and Station	Phase (GCT)
	h m s
EUR EP'	13 33 58.0
COL IP'	13 33 59.3
OCT 22	
SJG EP	13 23 28.0
IS	23 51.5
OCT 22	
H-15 20 41.0	
39.4N 118.1W	
h ABOUT 14KM	
EUR IP D	15 21 09.0
SLD EPN	15 21 36.7
I	21 43.0
IL	22 26.0
BCN E(P)	15 21 49.3
E	21 59.7
IL	21 55.4
BOZ E(P)	15 22 53.0
NEW E(P)	15 23 00.0
EL	25 24.0
OCT 22	
H-15 35 33.5	
39.4N 118.1W	
h ABOUT 11KM	
EUR IP	15 36 02.1
SLD E(P)	15 36 37.3
IL	37 21.2
BCN E(P)	15 36 52.5
EL	37 51.0
OCT 22	
SJG IP	16 19 55.3
IS	20 21.0
OCT 22	
H-17 16 26.4	
40.6N 116.3W	
h ABOUT 32KM	
EUR IP	17 16 46.2
SLC E(P)	17 17 17.6
IL	18 14.9
BCN EP	17 17 37.1
I	17 54.6
IL	18 53.6
GCA EP	17 17 43.2
I	18 01.0
IL	19 04.0
SLD IP C	17 17 44.1
I	18 04.2
IL	19 12.5
FGU IP	17 17 45.4
ILG	19 05.0
BOZ E(P)	17 18 00.0
BUT E(P)	17 18 08.4
NEW IP	17 18 18.5
EL	20 21.0
HHM EP	17 18 21.5
E	18 05.1
EL	20 28.7
ALQ IP	17 18 43.8
I	19 25.6
TUC E(P)	17 18 44.0
OCT 22	
H-17 30 04.2	
35.3N 141.1E	
h ABOUT 35KM	
COL E(P)	17 39 03.0
BMO E(P)	17 41 34.2
EUR EP	17 41 56.6
OCT 22	
ALQ IP	18 57 33.6
IS	57 42.4
OCT 22	
H-19 11 15.2	
10.3N 063.8W	
h ABOUT 41KM	
EUR E(P)	19 20 42.0
BMO E(P)	19 20 59.8
OCT 22	
ADK IP	19 45 00.8
OCT 22	
EUR EP	20 11 45.5
OCT 22	
SJG EP	21 17 02.7
OCT 22	
EUR IP	21 19 57.5
IS	20 21.0
OCT 22	
SLD EP	21 21 11.4
OCT 22	
BCN E(P)	21 44 54.0
OCT 22	
HHM EP	22 02 40.7
E	02 14.2
OCT 22	
EUR EP	23 33 46.5
OCT 23	
H-00 00 00.9	
29.9N 068.2E	
h ABOUT 20KM	
COL EP	00 12 18.0
EUR EP'	00 18 44.7
OCT 23	
SLD IP D	00 33 20.4
IS	33 38.9
EUR E(P)	00 34 35.0
OCT 23	
ADK EP	00 43 52.0
ES	44 19.0
OCT 23	
H-00 48 55.2	
15.0N 092.1W	
h ABOUT 61KM	
TUC E(P)	00 54 05.7
BCN E(P)	00 54 53.6
EUR EP	00 55 19.9
OCT 23	
H-02 14 13.8	
36.6N 138.2E	
h ABOUT 6KM	
BMO EP	02 25 50.5
EUR EP	02 26 14.0
OCT 23	
ADK EP	02 27 40.3
OCT 23	
BHP IP	03 19 47.0
IS	20 02.5
OCT 23	
H-03 46 15.0	
11.1S 079.1W	
h ABOUT 32KM	
ALQ IP	03 55 28.6
I	55 37.8
EUR EP	03 56 27.5
NEW EP	03 57 13.0
OCT 23	
NEW EP	04 00 06.0
OCT 23	
SJG IP	05 35 39.2
IS	35 43.5
OCT 23	
H-07 09 20.3	
51.0N 159.2E	
h ABOUT 35KM	
ADK EP	07 12 57.4
COL IP	07 15 30.1
BOZ E(P)	07 18 00.0
NEW IP	07 18 23.5
HHM E(P)	07 18 36.5
BMO EP	07 18 39.2
EUR IP	07 19 09.2
BCN E(P)	07 19 28.8
RCD EP	07 19 34.6
TUC E(P)	07 20 03.3
ALQ IP	07 20 07.5
OCT 23	
GUA IP	07 37 24.2
ES	37 49.0
OCT 23	
NEW EP	07 49 36.0
EUR EP	07 49 51.5
OCT 23	
EUR EP	08 54 17.0
OCT 23	
H-09 15 54.6	
06.3S 154.8E	
h ABOUT 95KM	
ADK IP	09 26 13.0
COL IP	09 28 07.1
BMO EP	09 28 58.0
NEW EP	09 29 00.0
EUR IP	09 29 01.2
SJG EP'	09 35 11.8
OCT 23	
NEW EP	09 20 00.0
OCT 23	
BCN EP	09 49 15.8
IS	49 36.0
GCA EP	09 49 25.5
IS	49 51.5
EUR EP	09 49 30.8
IL	50 09.3
OCT 23	
BOZ E(P)	09 53 22.3
ES	53 34.5
OCT 23	
HHM E(P)	09 55 04.3
E	55 42.0
OCT 23	
SLD EP	10 19 39.7
ES	19 56.0
OCT 23	
COL EP	11 34 16.0
OCT 23	
H-12 15 16.8	
51.2N 159.2E	
h ABOUT 22KM	
COL EP	12 21 26.0
NEW EP	12 24 21.0
BMO EP	12 24 36.2
EUR IP	12 25 05.5

Date and Station	Phase	(GCT)
		h m s
BCN	EP	12 25 28.8
TUC	E(P)	12 26 00.8
ALQ	IP	12 26 05.4
OCT 23		
EUR	EP	14 18 16.8
OCT 23		
H-15 32 52.6		
10.8S 079.0W		
h ABOUT 30KM		
SJG	EP	15 39 10.8
ALQ	IP	15 42 05.4
	I	42 14.0
NEW	EP	15 43 50.0
COL	IP	15 45 55.2
OCT 23		
H-15 40 07.6		
37.3N 114.2W		
h ABOUT 33KM		
GCA	IP	15 40 42.0
	IS	41 07.8
EUR	IP	15 40 46.8
SLC	E(P)	15 41 21.8
TUC	E(P)	15 41 30.0
OCT 23		
SJG	EP	16 38 59.5
	IS	39 22.2
OCT 23		
H-17 20 00.7		
6.3S 130.0E		
h ABOUT 100KM		
EUR	EP'	17 38 26.8
ALQ	EP'	17 38 43.4
OCT 23		
GCA	EP	18 30 11.3
	IS	30 37.5
EUR	EP	18 30 15.8
	ES	30 47.1
OCT 23		
BCN	EP	18 45 01.4
	ES	45 22.8
OCT 23		
COL	EP	20 19 05.0
OCT 23		
COL	EP	20 21 26.0
	I	21 37.5
OCT 23		
COL	IP	22 49 36.2
OCT 24		
EUR	IP	00 06 09.1
		h m s
OCT 24		
EUR	EP	02 24 14.0
OCT 24		
GUA	E(P)	05 41 05.0
	E(S)	41 41.0
OCT 24		
BMO	IP	05 53 08.7
EUR	EP	05 53 20.2
OCT 24		
H-06 03 19.0		
39.5N 120.2W		
h ABOUT 33KM		
EUR	IP	06 04 08.6
OCT 24		
BCN	EP	06 06 08.9
OCT 24		
BHP	IP D	06 41 32.0
	IS	41 45.0
OCT 24		
SLD	E(P)	07 19 07.4
OCT 24		
COL	EP	08 12 28.0
OCT 24		
H-11 05 38.0		
44.5N 128.6W		
h ABOUT 33KM		
BMO	EPN	11 07 33.6
	EL	09 56.0
NEW	EP	11 07 43.0
EUR	IP	11 08 11.2
BCN	E(P)	11 08 47.0
ALQ	EP	11 10 03.0
OCT 24		
BOZ	EP	11 38 31.5
OCT 24		
H-13 53 44.2		
55.0N 165.7E		
h ABOUT 31KM		
COL	IP	13 59 03.9
NEW	IP	14 02 06.5
BMO	EP	14 02 23.1
BOZ	EP	14 02 41.5
EUR	IP	14 02 57.5
ALQ	EP	14 03 57.8
OCT 24		
H-14 31 15.0		
37.4N 059.6E		
h ABOUT 14KM		
COL	IP	14 43 03.0
		h m s
NEW	EP	14 44 38.0
OCT 24		
H-15 00 15.0		
51.0N 159.4E		
h ABOUT 26KM		
COL	EP	15 06 25.5
EUR	IP	15 10 05.3
OCT 24		
H-15 37 26.1		
30.5S 177.2W		
h ABOUT 25KM		
TUC	E(P)	15 50 17.0
BMO	E(P)	15 50 36.0
OCT 24		
ALQ	IP	16 42 32.4
	E	43 11.0
OCT 24		
SJG	EP	17 27 43.5
	IS	28 05.5
OCT 24		
ALQ	IP	18 21 40.0
OCT 24		
EUR	EP D	18 40 24.5
	ES	40 44.5
OCT 24		
H-18 45 49.6		
24.7N 127.6E		
h ABOUT 40KM		
COL	EP	18 56 30.0
BMO	IP	18 58 42.1
EUR	IP C	18 59 00.5
OCT 24		
NEW	EP	19 36 10.0
OCT 24		
NEW	EP	20 02 07.0
OCT 24		
COL	EP	20 13 16.0
OCT 24		
EUR	E(P)	20 42 07.8
OCT 24		
ALQ	EP	20 55 09.0
	IS	55 47.0
OCT 24		
BMO	E(P)	21 40 00.7
OCT 24		
EUR	E(P)	21 46 55.6
OCT 24		
BOZ	EP	21 54 07.5
	EL	54 18.5
		h m s
OCT 24		
EUR	EP D	22 01 53.0
	ES	02 39.4
OCT 24		
COL	EP	22 09 13.0
OCT 24		
ALQ	IP	22 48 00.6
	IS	48 25.5
OCT 24		
EUR	EP D	23 29 26.5
	ES	29 57.5
OCT 24		
ADK	IP	23 53 45.5
	IS	53 55.4
OCT 25		
ALQ	EP	00 09 04.0
OCT 25		
H-00 26 36.3		
06.7S 147.2E		
h ABOUT 61KM		
COL	IP	00 39 07.9
BMO	EP	00 40 09.7
EUR	IP	00 40 15.8
SJG	EP'	00 46 09.0
	E	46 31.0
OCT 25		
H-01 08 38.0		
08.1N 103.8W		
h ABOUT 33KM		
TUC	EP	01 14 00.5
EUR	IP	01 15 15.0
NEW	EP	01 16 25.0
OCT 25		
BMO	EP	01 21 04.6
OCT 25		
KIP	EP	01 42 43.9
OCT 25		
H-02 07 37.7		
32.3N 142.2E		
h ABOUT 33KM		
NEW	EP	02 19 06.0
BMO	IP	02 19 16.1
	E	19 29.4
EUR	EP	02 19 36.3
OCT 25		
SJG	E(P)	02 14 02.5
	IS	14 27.2
OCT 25		
EUR	EP	04 59 45.2

Date and Station	Phase (GCT)
	h m s
OCT 25	
H-06 46 31.2	
8.2N 103.2W	
h ABOUT 33KM	
TUC E(P)	06 51 52.0
EUR IP	06 53 07.4
OCT 25	
TUC EP	06 49 54.5
NEW EP	06 52 17.0
E	54 17.0
OCT 25	
BOZ E(P)	06 55 43.5
E	55 48.0
EL	55 57.3
OCT 25	
BMO E(P)	07 36 41.8
OCT 25	
H-07 46 30.1	
16.0S 172.7W	
h ABOUT 35KM	
TUC EP	07 58 17.4
E▸P	58 27.0
EUR IP	07 58 18.2
BMO EP	07 58 30.5
E▸P	58 41.7
ALQ IP	07 58 41.6
COL EP	07 58 52.0
E▸P	59 03.8
OCT 25	
TUC EP	07 47 30.3
OCT 25	
TUC EP	08 02 51.0
OCT 25	
BMO E(P)	09 48 37.0
EUR EP	09 49 59.7
OCT 25	
TUC E(P)	10 01 24.1
OCT 25	
H-10 07 01.0	
30.0N 068.9E	
h ABOUT 26KM	
BRW EP	10 18 36.1
COL IP	10 19 16.8
TUC EP'	10 25 48.8
OCT 25	
H-10 08 23.0	
35.4N 139.1E	
h ABOUT 33KM	
COL E(P)	10 17 26.0

Date and Station	Phase (GCT)
	h m s
BMO EP	10 19 59.3
E	20 07.5
EUR EP	10 20 22.0
OCT 25	
NEW EP	10 25 06.0
OCT 25	
BOZ E(P)	10 38 04.5
EL	38 29.5
OCT 25	
BOZ E(P)	10 40 05.5
E	40 15.5
E	40 30.3
OCT 25	
BOZ E(P)	10 51 14.5
E	52 02.5
OCT 25	
BOZ E(P)	10 56 11.5
E	56 37.0
OCT 25	
EUR EP	11 23 32.6
OCT 25	
EUR IP D	11 53 07.2
OCT 25	
SJG EP	12 32 15.0
IS	32 39.5
OCT 25	
H-12 38 52.7	
15.9S 176.7W	
h ABOUT 33KM	
BCN E(P)	12 50 54.0
EUR EP	12 50 54.3
TUC E(P)	12 50 58.0
BMO EP	12 51 04.5
BOZ E(P)	12 51 17.8
COL E(P)	12 51 19.0
ALQ IP	12 51 20.5
OCT 25	
COL EP	12 48 23.0
OCT 25	
EUR EP	12 59 21.7
TUC EP	12 59 25.1
BMO IP	12 59 32.7
COL EP	12 59 43.0
ALQ EP	12 59 47.6
OCT 25	
GUA E(P)	14 44 37.0

Date and Station	Phase (GCT)
	h m s
OCT 25	
H-14 53 09.0	
10.7S 78.8W	
h ABOUT 51KM	
SJG E(P)	14 59 25.5
ALQ EP	15 02 18.5
EUR EP	15 03 25.5
COL EP	15 06 08.0
I	06 17.4
OCT 25	
H-16 39 32.9	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	16 39 56.5
GCA IP D	16 40 07.0
IS	40 34.0
EUR IP	16 40 12.0
FGU EP	16 40 51.5
ILG	42 12.0
TUC IP C	16 40 57.4
EL	42 30.5
ALQ IP	16 41 10.5
I	41 31.2
ILG	42 57.5
SLD EP	16 41 13.2
I	41 18.3
I(S)	41 53.5
IL	42 27.0
BMO EPN	16 41 27.9
BOZ E(P)	16 41 37.5
EL	43 49.5
RCD E(P)	16 42 05.5
NEW IP	16 42 14.5
EL	45 21.0
HHM E(P)	16 42 30.5
EL	45 25.5
OCT 25	
BCN EP	16 54 32.5
ES	54 52.5
GCA EP	16 54 42.8
IS	55 09.5
EUR EP	16 54 47.5
I	54 53.7
EL	55 33.8
OCT 25	
BOZ E(P)	17 01 05.2
EL	01 12.5
NEW EP	17 02 08.0
E	03 39.0

Date and Station	Phase (GCT)
	h m s
OCT 25	
BOZ E(P)	17 02 03.1
EL	02 12.6
OCT 25	
GCA IP C	17 12 47.5
IS	13 02.5
EUR E(P)	17 13 25.5
BCN E(P)	17 13 29.8
EL	13 48.7
OCT 25	
EUR E(P)	17 28 44.0
OCT 25	
ADK IP	17 41 21.4
IS	41 50.0
OCT 25	
NEW EP	17 47 47.0
OCT 25	
H-18 04 09.1	
36.7N 138.2E	
h ABOUT 13KM	
BRW EP	18 12 47.4
E	13 16.4
COL IP	18 13 10.2
NEW IP	18 15 35.0
HHM EP	18 15 44.5
SLD EP	18 15 59.5
BOZ E(P)	18 16 00.0
EUR IP	18 16 09.8
BCN IP C	18 16 25.3
RCD E(P)	18 16 32.0
TUC EP	18 16 50.5
E	17 10.0
OCT 25	
BOZ E(P)	18 12 19.3
EL	12 32.8
EUR E(P)	18 14 00.4
E(S)	14 38.5
OCT 25	
H-18 41 42.2	
21.4S 068.3W	
h ABOUT 131KM	
SJG EP	18 48 57.5
TUC E(P)	18 52 24.0
BMO EP	18 53 37.2
OCT 25	
BOZ E(P)	19 09 14.3
E	09 27.5
OCT 25	
EUR E(P)	19 29 43.8

Date and Station	Phase	Phase (GCT) h m s
OCT 25		
EUR	EP	20 56 22.1
OCT 25		
BCN	E(P)	21 16 46.8
	EL	17 06.4
EUR	EP	21 17 02.4
	E(S)	17 28.7
OCT 25		
BOZ	EP	21 38 29.7
	ES	38 42.6
OCT 25		
EUR	EP	21 39 06.7
	E	39 40.1
OCT 25		
SJG	EP	21 41 28.8
OCT 25		
BOZ	EP	22 10 21.3
	E	10 53.7
OCT 25		
ALQ	IP	22 57 53.4
	I	58 12.5
	E	58 44.0
OCT 25		
EUR	EP	23 09 18.0
OCT 25		
H-23 16 00.3		
14.6S 167.5E		
h ABOUT 180KM		
COL	EP	23 28 20.0
EUR	IP	23 28 37.8
BMO	EP	23 28 40.7
OCT 25		
EUR	EP	23 19 49.1
	E	20 24.0
OCT 26		
SJG	IP C	00 31 21.6
	IS	31 48.0
OCT 26		
BOZ	E(P)	01 30 53.5
	E	31 08.0
OCT 26		
COL	EP	02 36 35.0
OCT 26		
BHP	IP D	04 13 33.0
	IS	14 16.8
OCT 26		
H-05 22 57.4		
42.0N 142.6E		
h ABOUT 58KM		
COL	IP	05 31 03.8
NEW	EP	05 33 40.0
BOZ	E(P)	05 34 08.0
	E>P	34 23.0
EUR	IP	05 34 17.9
BCN	EP	05 34 36.1
	E>P	34 51.8
ALQ	E(P)	05 35 07.0
OCT 26		
H-05 55 51.4		
16.8N 091.1W		
h ABOUT 18KM		
ALQ	EP	06 00 54.5
	I	06 11.2
TUC	EP D	06 01 03.2
BCN	E(P)	06 01 50.0
BOZ	E(P)	06 02 31.5
BMO	E(P)	06 02 48.2
OCT 26		
BUT	E(P)	06 22 41.8
HHM	EP	06 22 50.9
	EL	23 14.5
OCT 26		
H-06 31 34.9		
11.2S 165.7E		
h ABOUT 45KM		
COL	EP	06 43 59.0
BMO	EPN	06 44 28.1
OCT 26		
BCN	EP	06 42 56.9
	IS	43 16.3
LVN	IP	06 43 00.0
EUR	E(P)	06 43 03.9
	IL	43 12.9
GCA	IP	06 43 08.0
	IS	43 34.0
OCT 26		
NEW	EP	06 47 51.0
OCT 26		
TUC	EP	07 13 15.7
OCT 26		
EUR	E(P)	08 14 18.3
OCT 26		
COL	EP	10 44 03.0
OCT 26		
FGU	EP C	11 50 26.8
	IS	50 49.4
OCT 26		
EUR	EP	13 33 04.5
OCT 26		
H-13 36 32.1		
50.4N 129.3W		
h ABOUT 41KM		
NEW	EP	13 38 31.0
EUR	EP	13 39 53.8
BCN	E(P)	13 40 38.8
ALQ	EP	13 41 30.6
TUC	E(P)	13 41 31.0
OCT 26		
H-15 17 38.6		
37.3N 114.2W		
h ABOUT 14KM		
BCN	IP D	15 18 05.0
GCA	IP	15 18 14.5
EUR	IP	15 18 20.0
FGU	EP	15 18 59.5
	ELG	20 21.5
TUC	IP C	15 19 04.7
	EL	20 33.0
SLD	E(P)	15 19 18.6
	IL	20 34.6
BMO	IPN	15 19 35.8
BOZ	EPN	15 19 44.7
	EL	22 02.5
BUT	E(P)	15 19 59.0
	E	22 05.7
RCD	E(P)	15 20 13.0
COL	EP	15 24 26.0
OCT 26		
BCN	EP	15 51 39.0
	E(S)	51 58.0
EUR	E(P)	15 51 53.7
OCT 26		
BCN	E(P)	16 13 31.5
OCT 26		
EUR	E(P)	16 22 47.5
OCT 26		
H-16 31 10.7		
37.3N 114.3W		
h ABOUT 33KM		
BCN	EP C	16 31 35.1
	IS	31 54.6
GCA	IP C	16 31 46.0
	IS	32 10.2
EUR	EP	16 31 50.0
TUC	E(P)	16 32 35.8
OCT 26		
SLD	EP	16 34 13.3
OCT 26		
EUR	E(P)	17 10 25.5
OCT 26		
COL	EP	17 18 51.0
OCT 26		
H-17 59 40.0		
25.8N 109.7W		
h ABOUT 26KM		
TUC	E(P)	18 01 12.5
	EL	03 03.0
ALQ	I(P)	18 01 51.5
	I	02 52.5
	IL	04 42.0
BCN	E(P)	18 02 18.8
	E	06 36.7
EUR	EP	18 03 08.8
	E	03 26.4
	EL	07 33.8
BMO	E(P)	18 04 09.2
BOZ	EP	18 04 10.5
OCT 26		
BOZ	EPN	18 00 47.5
	IPG	00 50.5
	IS	00 59.5
OCT 26		
BCN	EP	18 21 23.4
OCT 26		
BOZ	E(P)	18 28 09.5
OCT 26		
H-18 28 53.9		
18.4S 167.6E		
h ABOUT 34KM		
SLD	IP C	18 41 36.4
	E	41 51.3
COL	IP	18 41 48.1
BCN	EP C	18 41 56.0
	E	42 10.8
EUR	EP	18 41 58.0
BMO	IP	18 42 03.1
TUC	EP	18 42 04.7
	E	42 17.0
BOZ	EP	18 42 20.5
SJG	EP'	18 47 59.0
OCT 26		
H-18 28 59.2		
04.2S 152.9E		
h ABOUT 68KM		
COL	IP	18 41 09.0
OCT 26		
GCA	IP C	19 05 48.0
	IS	06 14.5
EUR	EP	19 05 52.0
	E(S)	06 19.5

Date and Station	Phase (GCT)
	h m s
OCT 26	
BCN E(P)	19 23 12.4
OCT 26	
BCN EP	19 26 55.7
EL	26 17.2
EUR EP	19 27 10.2
E(S)	27 37.6
OCT 26	
H-19 31 28.0	
35.1N 027.0E	
h ABOUT 44KM	
BMO E(P)	19 44 43.2
OCT 26	
ADK EP	20 07 14.0
ES	08 01.7
OCT 26	
H-20 09 36.9	
13.6N 121.2E	
h ABOUT 55KM	
BRW EP	20 21 13.7
COL EP	20 21 32.9
OCT 26	
H-20 43 15.8	
15.2N 90.6W	
h ABOUT 20KM	
ALQ EP	20 48 31.5
TUC E(P)	20 48 42.0
OCT 26	
H-20 59 04.3	
58.8N 149.4W	
h ABOUT 33KM	
COL EP	21 00 35.0
IS	01 42.0
IL	02 27.2
BMO EP	21 04 17.1
OCT 26	
H-21 07 42.5	
13.8N 091.3W	
h ABOUT 40KM	
ALQ IP	21 13 06.4
TUC E(P)	21 13 10.5
EUR EP	21 14 22.5
BCN E(P)	21 13 56.2
BOZ E(P)	21 14 41.5
BMO EP	21 14 58.3
COL EP	21 18 10.0
OCT 26	
BOZ EPN	21 49 04.5
ES	49 13.5

Date and Station	Phase (GCT)
	h m s
OCT 26	
BOZ EPN	21 54 44.0
ES	54 55.3
OCT 26	
ALQ IP	22 29 24.0
I	30 05.0
OCT 26	
EUR E(P)	22 38 37.0
OCT 26	
BOZ EPN	23 01 51.0
EL	01 58.7
OCT 26	
BCN EP	23 13 01.2
ES	13 20.3
GCA E(P)	23 13 09.5
ES	13 36.0
EUR EP	23 13 15.0
E(S)	13 48.2
OCT 26	
BMO IP	23 31 20.5
OCT 26	
ADK EP	23 35 31.8
ES	36 17.3
OCT 27	
TUC E(P)	00 43 18.5
OCT 27	
H-01 45 20.2	
54.4S 039.0W	
h ABOUT 33KM	
COL IP'	02 04 57.2
OCT 27	
H-02 27 49.6	
14.1N 145.2E	
h ABOUT 124KM	
GUA IP	02 28 09.0
IS	28 21.0
ADK EP	02 36 21.4
BRW EP C	02 38 28.1
COL EP	02 38 33.0
SLD IP C	02 40 10.7
BMO IP	02 40 14.9
HHM EP	02 40 21.0
EUR IP	02 40 27.0
BOZ IP	02 40 32.0
EPP	41 05.4
BCN EP	02 40 36.5
OCT 27	
COL EP	05 26 36.0

Date and Station	Phase (GCT)
	h m s
OCT 27	
H-05 57 57.7	
73.4N 054.9E	
h ABOUT 0KM	
BRW IP C	06 04 47.1
IPCP	07 23.0
COL IP C	06 05 46.2
I	06 21.9
IPCP	07 41.6
I	10 17.3
IS	12 04.0
SIT IP	06 06 52.0
ADK IP D	06 06 55.0
I	07 17.5
IPP	08 52.5
HHM IP	06 07 55.5
I	08 10.0
EPP	10 06.0
BUT EP	06 08 11.6
BOZ EP	06 08 14.0
EP'P'	36 50.0
BMO IP	06 08 20.6
WSC IP C	06 08 28.6
EP'P'	37 21.0
FGU IP C	06 08 43.5
SLC IP	06 08 45.8
E	08 53.8
EUR IP	06 08 56.4
UKI E(P)	06 08 59.6
CSC IP	06 09 05.0
E	09 21.0
SLD IP C	06 09 12.3
IPCP	09 35.0
EPP	11 45.8
LVN IP	06 09 19.0
ALQ IP	06 09 20.0
IPP	11 57.0
TUC IP C	06 09 38.6
EPP	12 21.0
GUA IP	06 09 52.0
SJG EP C	06 10 16.0
EPKKP	28 50.5
EP'P'	36 49.0
OCT 27	
ADK EP	06 19 10.0
E	20 07.8
OCT 27	
LVN IP	06 24 24.5
EUR E(P)	06 24 37.0

Date and Station	Phase (GCT)
	h m s
ALQ EP	06 27 21.6
I	29 12.8
COL EP	06 27 49.0
OCT 27	
BOZ E(P)	06 28 00.0
E	28 13.5
HHM E(P)	06 29 04.0
OCT 27	
TUC E(P)	06 34 36.0
EUR EP	06 34 56.5
OCT 27	
TUC E(P)	06 36 36.0
ALQ IP	06 36 55.8
OCT 27	
BOZ E(P)	06 37 09.0
E	37 28.5
E	37 37.5
HHM E(P)	06 37 11.0
E	37 22.8
BUT E(P)	06 37 18.5
OCT 27	
COL EP	06 37 10.0
OCT 27	
EUR EP	06 45 45.7
OCT 27	
H-06 54 43.2	
18.9N 145.4E	
h ABOUT 237KM	
GUA IP	06 56 04.0
IS	57 02.0
ADK EP	07 02 30.7
COL IP	07 04 46.8
BMO IP	07 06 37.8
HHM E(P)	07 06 43.0
EUR EP	07 06 51.5
BOZ EP	07 06 55.6
BCN EP	07 07 02.3
TUC EP	07 07 23.0
OCT 27	
SJG EP	08 02 51.5
EL	03 39.3
OCT 27	
EUR EP	08 29 22.4
E(S)	29 55.0
OCT 27	
EUR E(P)	08 51 23.3
E(S)	51 55.7

Date and Station	Phase	Phase (GCT) h m s
OCT 27		
COL	EP	08 55 02.7
OCT 27		
BOZ	EPN	08 54 34.5
	EPG	54 38.6
	EL	55 23.0
OCT 27		
H-09 18 14.4		
20.2N 145.7E		
h ABOUT 107KM		
GUA	EP	09 19 52.0
	IS	21 03.0
ADK	EP C	09 26 06.2
BRW	EP	09 28 17.0
	E	28 32.5
COL	IP C	09 28 24.4
SLD	IP C	09 30 16.7
	E	30 49.0
BMO	EP	09 30 18.0
HHM	EP	09 30 23.2
EUR	IP D	09 30 32.2
	I▸P	31 01.9
	EPP	33 46.3
BUT	EP	09 30 32.5
BOZ	EP D	09 30 35.0
BCN	EP C	09 30 43.0
TUC	EP	09 31 05.0
	E	31 30.0
	EPP	34 37.5
ALQ	IP	09 31 15.2
	I▸P	31 44.0
OCT 27		
BOZ	E(P)	10 18 13.3
	E	18 39.5
OCT 27		
EUR	E(P)	10 58 06.7
LVN	EP	10 58 16.0
GCA	E(P)	10 59 07.0
	IS	59 32.3
OCT 27		
H-12 06 02.2		
35.8N 120.6W		
h ABOUT 17KM		
SLD	IP D	12 06 27.2
	IS	06 45.8
LVN	EP	12 07 11.5
EUR	EP	12 07 22.0
BCN	E(P)	12 07 25.3
TUC	(PN)	12 08 11.4
ALQ	E(P)	12 08 53.0
OCT 27		
CED	EP	12 06 51.5
	IS	07 08.0
OCT 27		
H-12 08 34.1		
10.0S 079.5W		
h ABOUT 33KM		
SJG	EP	12 14 50.5
ALQ	IP	12 17 39.0
BCN	EP	12 18 19.8
EUR	EP	12 18 38.2
BOZ	EP	12 18 55.0
BMO	E(P)	12 19 04.5
COL	EP	12 21 32.0
OCT 27		
H-12 37 46.4		
37.4N 114.2W		
h ABOUT 33KM		
BCN	EP	12 38 10.3
	ES	38 29.8
GCA	EP	12 38 21.0
	IS	38 47.0
EUR	EP	12 38 26.0
	E(S)	38 57.2
OCT 27		
BCN	E(P)	13 06 01.6
OCT 27		
BOZ	EP	14 20 42.2
OCT 27		
H-14 21 04.7		
22.1N 145.9E		
h ABOUT 28KM		
GUA	I(P)	14 23 14.0
	IL	25 22.0
ADK	EP	14 28 49.6
KIP	EP	14 30 12.2
BRW	IP C	14 31 03.2
	I▸P	31 12.4
COL	EP C	14 31 10.6
	E	34 53.5
	IS	39 21.5
	ISCS	40 57.9
	ISS	43 31.0
	EL	46 17.0
	EP'P'	15 00 36.8
SLD	IP D	14 33 09.3
HHM	IP	14 33 14.5
	I▸P	33 23.8
	ES	43 15.5
BUT	EP	14 33 24.4
	ES	43 34.4
EUR	IP D	14 33 25.0
	ES	43 34.2
	E	45 50.9
	EPKKP	51 52.2
	EP'P'	59 53.2
	ESKPP'	15 03 35.5
BOZ	IP D	14 33 27.3
	IS	43 40.5
BCN	EP D	14 33 36.1
SLC	EP	14 33 36.7
	E	33 46.4
FGU	IP D	14 33 46.0
TUC	EP	14 33 58.7
	E	34 08.5
	ESKS	44 26.0
ALQ	IP	14 34 08.4
SJG	EP'	14 40 07.2
	I	40 11.6
	I	40 20.4
	E(PP)	42 26.0
	ESKP	43 30.0
OCT 27		
COL	E(P)	14 50 14.7
OCT 27		
BMO	E(P)	15 14 44.3
OCT 27		
EUR	EP	16 59 42.0
HHM	E(P)	17 01 48.5
	E	03 03.5
OCT 27		
ALQ	EP	17 14 04.2
	IS	14 39.5
OCT 27		
H-17 15 11.0		
43.2N 111.0W		
h ABOUT 33KM		
BOZ	EP C	17 15 49.5
	IS	16 23.5
SLC	EP	17 15 51.1
FGU	EP	17 15 52.5
	ILG	16 23.0
BUT	E(P)	17 16 00.0
EUR	EP	17 16 29.0
OCT 27		
COL	EP	17 15 36.0
OCT 27		
TUC	E(P)	17 30 34.0
BCN	E(P)	17 31 18.0
	I	32 21.5
EUR	E(P)	17 31 45.7
	E	34 13.5
ALQ	EP	17 32 03.0
OCT 27		
H-17 49 35.7		
29.5N 142.1E		
h ABOUT 33KM		
COL	E(P)	17 59 07.0
NEW	IP	18 01 16.8
BMO	EP	18 01 25.2
HHM	E(P)	18 01 26.5
BOZ	E(P)	18 01 41.2
EUR	IP	18 01 44.9
OCT 27		
BOZ	EPN	17 54 39.3
	EPG	54 42.5
	ES	54 50.5
OCT 27		
ALQ	IP	18 47 44.5
	I	48 10.0
OCT 27		
ADK	EP	19 12 57.2
OCT 27		
ALQ	IP	20 35 06.5
OCT 27		
EUR	EP	20 55 27.5
	E(S)	56 05.3
OCT 27		
BCN	E(P)	21 52 26.5
	EL	53 03.0
EUR	EP	21 53 11.5
OCT 27		
ALQ	IP	22 04 17.5
OCT 27		
ALQ	EP	22 13 10.0
OCT 27		
H-22 26 20.7		
07.4S 146.8E		
h ABOUT 135KM		
COL	EP	22 38 49.0
SJG	EP'	22 45 46.5
	E	46 18.8
OCT 27		
ALQ	IP	22 28 37.6
OCT 27		
BMO	E(P)	22 40 21.7
OCT 27		
H-23 46 47.6		
41.6N 142.0E		
h ABOUT 71KM		

Date and Station	Phase (GCT)
	h m s
COL IP	23 54 58.2
NEW EP	23 57 31.0
E	57 45.0
BOZ EP C	23 57 59.5
E▸P	58 19.0
EUR IP C	23 58 10.0
I▸P	58 27.6
BCN EP	23 58 27.5
I▸P	58 46.7
TUC E(P)	23 58 54.1
E▸P	59 14.0
ALQ IP	23 58 58.5
I▸P	59 18.5
OCT 28	
EUR IP	00 08 35.0
I(S)	08 56.7
OCT 28	
BCN E(P)	01 00 40.0
IS	00 58.5
LVN EP	01 00 45.5
EUR IP D	01 00 55.2
E(S)	01 27.5
OCT 28	
H-01 41 19.2	
9.7S 159.8E	
h ABOUT 36KM	
ADK EP	01 51 55.5
COL IP	01 53 46.1
BRW EP	01 53 57.1
BMO EP	01 54 24.8
EUR IP	01 54 25.0
BCN EP	01 54 26.6
E	58 03.9
NEW IP	01 54 28.4
BOZ E(P)	01 54 42.7
ALQ E(P)	01 54 56.0
OCT 28	
NEW EP	02 22 30.0
OCT 28	
TUC E(P)	03 58 06.8
OCT 28	
EUR EP	04 10 09.5
OCT 28	
H-05 04 01.5	
37.3N 114.2W	
h ABOUT 23KM	
BCN EP	05 04 26.5
IS	04 46.3

Date and Station	Phase (GCT)
	h m s
LVN I(P)	05 04 31.0
E	05 04.5
EUR IP	05 04 42.7
FGU E(P)	05 05 14.9
ELG	06 42.7
TUC EPN	05 05 27.1
ALQ EP	05 05 41.5
I	06 03.0
ILG	07 28.0
BMO EPN	05 05 58.3
OCT 28	
COL EP	05 28 03.0
OCT 28	
SJG EP	05 38 56.5
IS	39 31.8
OCT 28	
H-06 30 44.4	
37.3N 114.2W	
h ABOUT 24KM	
BCN IP D	06 31 08.5
IS	31 27.0
LVN I(P)	06 31 13.0
EUR IP	06 31 24.1
SLC E(P)	06 31 50.1
E	32 00.7
FGU IP C	06 32 03.5
ILG	33 23.2
TUC EPN	06 32 08.5
ALQ IP	06 32 22.5
I	32 33.4
ILG	34 11.2
BMO EPN	06 32 39.4
BOZ E(P)	06 32 47.0
E	33 10.5
OCT 28	
NEW EP	06 36 31.0
OCT 28	
EUR E(P)	08 32 22.0
OCT 28	
H-09 24 23.2	
25.7N 110.0W	
h ABOUT 33KM	
TUC E(P)	09 26 00.1
ALQ EP	09 26 41.8
EUR EP	09 27 58.0
BMO EP	09 28 54.4
NEW EP	09 29 27.0

Date and Station	Phase (GCT)
	h m s
OCT 28	
TUC E(P)	09 49 01.6
BCN E(P)	09 49 33.5
OCT 28	
NEW EP	10 06 51.0
OCT 28	
NEW EP	10 34 58.0
OCT 28	
H-10 56 04.3	
44.6N 101.7E	
h ABOUT 33KM	
COL EP	11 05 57.0
NEW EP	11 08 21.0
BMO E(P)	11 08 33.1
BOZ E(P)	11 08 40.3
EUR E(P)	11 09 00.0
OCT 28	
ADK EP	11 51 55.5
OCT 28	
H-13 20 29.8	
35.8N 140.1E	
h ABOUT 74KM	
COL EP	13 29 24.0
NEW IP	13 31 46.3
BMO EP	13 31 56.8
BOZ EP	13 32 12.7
EUR IP	13 32 20.0
BCN EP	13 32 35.8
TUC EP	13 33 00.0
OCT 28	
SJG EP	13 20 48.5
IS	21 07.0
OCT 28	
BCN E(P)	13 23 09.7
ES	23 28.7
EUR EPN	13 23 25.0
OCT 28	
BCN EP	14 01 19.6
OCT 28	
GUA E(P)	14 28 28.5
OCT 28	
GUA EP	14 30 52.0
OCT 28	
GUA EP	14 39 18.0
OCT 28	
BMO EP	14 43 19.0

Date and Station	Phase (GCT)
	h m s
OCT 28	
COL EP	15 37 41.0
OCT 28	
BOZ EPN	17 28 32.0
EPG	28 35.5
ES	28 42.5
OCT 28	
H-17 35 07.5	
51.1N 159.2E	
h ABOUT 32KM	
COL EP	17 41 17.0
BMO E(P)	17 44 26.0
BOZ E(P)	17 44 37.6
E	44 45.4
EUR IP	17 44 57.0
OCT 28	
BCN EP	17 40 39.5
OCT 28	
BCN E(P)	17 54 39.3
EUR EP	17 54 54.0
ES	55 42.0
OCT 28	
BOZ EP	18 10 45.2
ES	10 56.0
OCT 28	
BCN E(P)	18 39 29.3
ES	39 48.0
EUR EP	18 39 44.0
IL	40 16.1
OCT 28	
H-18 41 05.7	
14.6N 093.2W	
h ABOUT 23KM	
ALQ EP	18 46 16.6
TUC EP	18 46 19.0
BCN EP	18 47 05.3
EUR E(P)	18 47 32.0
BMO EP	18 48 09.2
COL EP	18 51 26.8
OCT 28	
BMO EP	18 55 30.2
EUR EP	18 56 01.1
OCT 28	
BOZ E(P)	19 00 57.8
E	01 15.5
E	02 04.5
HHM E(P)	19 01 17.9
E	01 30.1

Date and Station	Phase	(GCT) h m s
OCT 28		
SJG	IP D	19 56 07.8
	IS	56 30.0
OCT. 28		
SJG	I(P)	19 57 05.4
	IS	57 27.4
OCT 28		
BOZ	EPN	21 47 38.0
	EL	47 49.0
OCT 28		
BOZ	EPN	21 58 14.2
	EPG	58 17.0
	ES	58 24.5
OCT 28		
H-22 11 47.9		
20.1S 168.8E		
h ABOUT 20KM		
SLD	EP	22 24 34.0
BCN	EP	22 24 53.5
	E	25 17.4
COL	EP	22 24 54.0
EUR	IP	22 24 56.0
TUC	EP	22 25 00.8
	E	25 11.0
NEW	EP	22 25 10.0
SJG	EP'	22 30 52.0
OCT 28		
ALQ	E(P)	22 12 07.7
OCT 28		
EUR	IP	22 29 05.9
ALQ	E(P)	22 30 01.0
OCT 28		
EUR	E(P)	22 55 42.0
OCT 28		
H-23 24 14.4		
22.6S 170.9E		
h ABOUT 26KM		
BCN	E(P)	23 37 19.0
EUR	IP	23 37 22.2
BMO	E(P)	23 37 34.6
COL	EP	23 37 15.3
OCT 29		
H-00 45 40.8		
51.1N 159.1E		
h ABOUT 43KM		
BRW	EP	00 51 31.7
COL	EP	00 51 50.0
BOZ	E(P)	00 55 15.2
EUR	EP	00 55 29.5
BMO	E(P)	00 55 57.8
ALQ	E(P)	00 56 36.5
OCT 29		
ALQ	EP	01 07 52.7
EUR	IP	01 08 31.5
OCT 29		
H-02 39 26.0		
38.9N 021.1E		
h ABOUT 8KM		
BRW	EP C	02 50 40.0
WSC	EP	02 50 54.7
	E	51 06.5
COL	IP	02 51 16.3
SJG	EP	02 51 21.5
RCD	EP	02 51 55.0
BUT	E(P)	02 52 01.9
	ES	03 02 41.7
NEW	IP	02 52 06.6
BMO	EP	02 52 20.2
SLC	EP	02 52 26.8
ALQ	EP	02 52 37.5
	EPP	56 21.0
	ESKS	03 03 08.0
EUR	IP C	02 52 41.0
	ESKS	03 03 13.0
	EPKKP	09 50.0
BCN	EP	02 52 52.5
TUC	EP	02 52 56.6
	ESKS	03 03 33.0
SLD	IP C	02 53 00.7
OCT 29		
BCN	EP	03 09 44.8
EUR	IP	03 09 51.2
ALQ	EP	03 09 53.0
NEW	EP	03 10 07.0
OCT 29		
TUC	EP	03 37 06.0
OCT 29		
BMO	E(P)	03 53 43.0
OCT 29		
GCA	EP	04 35 28.0
	IS	35 54.3
OCT 29		
H-04 35 54.0		
37.3N 114.2W		
h ABOUT 33KM		
GCA	EP	04 36 28.0
	IS	36 54.3
EUR	EP	04 36 33.0
	E(S)	37 05.0
OCT 29		
H-05 11 26.0		
22.0S 179.5W		
h ABOUT 600KM		
EUR	EP	05 23 00.5
BMO	EP	05 23 11.0
OCT 29		
BMO	EP	05 24 20.6
OCT 29		
H-05 47 55.6		
42.3N 144.1E		
h ABOUT 30KM		
BRW	EP	05 55 35.4
COL	EP	05 56 00.0
	E>P	56 09.0
NEW	EP	05 58 34.0
HHM	E(P)	05 58 44.8
	E	58 55.1
BOZ	EP	05 59 03.0
	E	59 13.7
EUR	IP	05 59 12.5
OCT 29		
TUC	EP	05 50 24.0
OCT 29		
H-06 30 21.9		
41.8N 144.0E		
h ABOUT 32KM		
BRW	EP	06 38 04.3
COL	IP	06 38 28.3
NEW	IP	06 41 03.0
	E>P	41 13.0
BMO	EP	06 41 15.3
	E>P	41 25.5
BOZ	EP	06 41 32.4
	E>P	41 42.4
EUR	IP	06 41 41.2
BCN	EP	06 41 58.0
TUC	EP	06 42 26.0
	E>P	42 36.0
ALQ	EP	06 42 30.6
	E>P	42 41.5
OCT 29		
H-07 08 31.1		
06.7S 155.6E		
h ABOUT 100KM		
COL	IP	07 20 44.0
BRW	EP	07 20 50.4
	E	21 09.2
BMO	EP	07 21 32.1
	E	21 51.8
EUR	IP	07 21 35.8
OCT 29		
SJG	IP	08 12 31.0
	IS	13 06.5
OCT 29		
BMO	E(P)	08 32 40.9
OCT 29		
H-08 59 36.8		
27.6N 065.7E		
h ABOUT 34KM		
COL	EP	09 12 07.0
OCT 29		
EUR	EP	10 20 04.9
	I	20 11.0
	E(S)	20 34.0
	IL	20 44.8
OCT 29		
H-10 38 29.1		
20.2S 168.5E		
h ABOUT 18KM		
BCN	E(P)	10 51 36.7
EUR	E(P)	10 51 38.5
COL	E(P)	10 51 40.0
OCT 29		
H-10 58 10.9		
24.3S 067.1W		
h ABOUT 175KM		
BMO	E(P)	11 10 16.0
OCT 29		
H-11 06 18.6		
00.2N 121.8E		
h ABOUT 215KM		
EUR	EP'	11 24 34.0
OCT 29		
NEW	EP	11 14 01.0
	E	14 28.0
EUR	EP	11 14 38.0
OCT 29		
BUT	E(P)	11 24 04.7
OCT 29		
NEW	EP	11 43 11.0
OCT 29		
H-12 13 05.7		
34.9N 027.8E		
h ABOUT 52KM		
COL	E(P)	12 25 17.5

Date and Station	Phase (GCT)
	h m s
BMO E(P)	12 26 23.2
OCT 29	
COL EP	12 46 48.0
OCT 29	
H-13 17 58.0	
20.8S 069.4W	
h ABOUT 102KM	
EUR EP	13 29 25.7
BMO EP	13 29 50.5
OCT 29	
BRW EP	13 29 02.9
OCT 29	
H-14 21 50.7	
12.9N 089.3W	
h ABOUT 68KM	
TUC EP	14 27 37.3
SLD E(P)	14 28 52.0
OCT 29	
H-14 32 40.9	
41.8N 144.1E	
h ABOUT 35KM	
BRW EP	14 40 22.7
I	40 34.4
EPCP	42 23.3
COL IP	14 40 46.4
E▸P	40 55.5
NEW EP	14 43 20.0
I▸P	43 31.0
HHM EP	14 43 31.3
E▸P	43 41.6
BMO EP	14 43 33.3
BOZ EP	14 43 49.5
I▸P	43 59.3
EUR IP	14 43 59.2
SLC E(P)	14 44 07.6
BCN EP	14 44 17.3
TUC EP	14 44 43.9
ALQ EP	14 44 49.0
OCT 29	
COL E(P)	14 35 53.8
EUR EP	14 41 44.5
OCT 29	
H-14 46 54.8	
36.9N 070.0E	
h ABOUT 45KM	
COL EP	14 58 30.0

Date and Station	Phase (GCT)
	h m s
OCT 29	
H-15 32 20.2	
10.7S 078.9W	
h ABOUT 30KM	
SJG EP	15 38 39.5
ES	43 46.8
ALQ EP	15 41 31.3
TUC EP	15 41 34.5
ES	49 00.0
BCN E(P)	15 42 14.2
EUR EP	15 42 30.5
SLD EP	15 42 42.0
BOZ E(P)	15 42 47.8
BMO E(P)	15 43 02.8
NEW EP	15 43 16.0
COL IP	15 45 21.6
OCT 29	
H-15 42 12.2	
10.7S 079.0W	
h ABOUT 30KM	
SJG EP	15 48 32.5
ALQ E(P)	15 51 24.3
EUR IP	15 52 24.2
COL EP	15 55 14.0
OCT 29	
COL EP	15 57 06.0
OCT 29	
BCN E(P)	16 14 12.5
OCT 29	
COL E(P)	16 23 39.5
EUR EP	16 24 07.5
OCT 29	
ADK IP	19 05 15.7
IS	05 32.8
OCT 29	
COL EP	21 20 27.0
BOZ E(P)	21 23 50.2
OCT 29	
BUT EP	21 47 52.5
OCT 29	
H-22 35 27.0	
7.7S 156.6E	
h ABOUT 115KM	
COL EP	22 47 39.4
OCT 29	
BCN E(P)	22 42 55.5
ES	43 15.5

Date and Station	Phase (GCT)
	h m s
EUR E(P)	22 43 09.8
E(S)	43 42.0
OCT 29	
EUR EP	23 48 09.5
OCT 29	
BHP IP C	23 56 42.5
IS	57 19.0
OCT 30	
H-00 02 30.8	
20.9S 176.3W	
h ABOUT 250KM	
BCN EP	00 14 21.0
TUC EP	00 14 25.0
E	14 32.6
EUR EP	00 14 26.2
BMO EP	00 14 37.1
E	14 49.9
ALQ EP	00 14 47.0
COL EP	00 14 53.0
EUR EP	00 14 26.8
OCT 30	
BCN EP	01 39 01.8
IS	39 20.5
GCA E(P)	01 39 11.4
IS	39 36.7
EUR EP	01 39 15.8
I	39 21.2
I(S)	39 48.1
OCT 30	
H-02 10 15.3	
39.0N 021.8E	
h ABOUT 33KM	
COL EP	02 19 40.5
BMO E(P)	02 23 07.5
OCT 30	
BCN E(P)	03 11 45.5
ES	12 04.5
EUR EP	03 12 00.3
IS	12 40.5
OCT 30	
SJG IP	04 49 25.0
IS	49 33.8
OCT 30	
H-05 43 52.4	
22.4S 063.9W	
h ABOUT 21KM	
ALQ EP	05 55 03.7
TUC EP	05 55 06.8
BCN EP	05 55 37.8
EUR IP	05 55 55.0

Date and Station	Phase (GCT)
	h m s
BMO IP	05 56 16.5
HHM E(P)	05 56 20.6
NEW EP	05 56 25.0
OCT 30	
GCA EP	05 44 49.7
IS	45 15.5
EUR E(P)	05 44 58.5
IL	45 42.4
OCT 30	
SJG EP	06 53 24.0
IS	53 47.5
OCT 30	
H-07 24 42.9	
20.9S 176.8W	
h ABOUT 447KM	
BMO E(P)	07 36 30.7
COL EP	07 36 47.3
OCT 30	
SJG EP	07 59 07.0
IS	59 14.5
OCT 30	
H-09 50 15.5	
21.3S 178.8W	
h ABOUT 503KM	
TUC EP	10 01 54.0
EUR E(P)	10 01 54.0
COL EP	10 02 16.0
OCT 30	
SJG EP	11 53 04.5
IS	53 31.5
OCT 30	
TUC EPN	13 50 04.5
BCN EP	13 50 34.0
EL	52 39.8
OCT 30	
EUR EP	14 42 54.5
OCT 30	
H-15 20 33.3	
50.6N 178.7E	
h ABOUT 13KM	
ADK IP	15 21 24.9
IS	22 02.2
COL EP	15 25 33.0
NEW EP	15 28 15.0
HHM E(P)	15 28 27.6
BOZ EP	15 28 51.5
EUR IP	15 28 58.2
BCN EP	15 29 23.0

Date and Station	Phase (GCT)
	h m s
TUC E(P)	15 29 57.0
OCT 30	
TUC EP	17 23 05.6
BCN EP	17 23 33.9
EL	25 46.3
ALQ E(P)	17 24 04.2
EUR EP	17 24 26.5
OCT 30	
EUR EP	17 33 19.0
OCT 30	
H-17 39 48.5	
42.7N 45.9E	
h ABOUT 33KM	
COL EP	17 51 10.0
NEW EP	17 52 37.0
EUR EP	17 53 18.4
OCT 30	
H-19 04 18.1	
35.6N 140.4E	
h ABOUT 79KM	
COL EP	19 13 12.0
NEW P D	19 15 33.0
HHM E(P)	19 15 43.1
BOZ E(P)	19 16 00.0
EUR IP	19 16 07.1
ALQ EP	19 16 53.7
OCT 30	
BMO EP	19 39 46.7
OCT 30	
EUR EP	19 40 57.5
ES	41 28.0
OCT 30	
EUR EP	20 17 35.3
E(S)	18 12.7
OCT 30	
EUR EP	21 32 38.4
EL	32 26.7
OCT 30	
ADK EP	22 05 34.9
ES	06 11.7
OCT 30	
H-22 20 06.8	
30.8N 113.5W	
h ABOUT 30KM	
TUC EP	22 20 49.2
BCN EP	22 21 23.9
ELG	22 54.0
GCA EP	22 21 41.5
IL	23 43.5

Date and Station	Phase (GCT)
	h m s
ALQ EP	22 21 53.6
EUR EP	22 22 14.7
EL	25 08.5
BMO EP	22 23 30.8
BOZ E(P)	22 23 39.7
BUT EP	22 23 40.5
NEW EP	22 24 11.0
COL EP	22 27 39.0
OCT 30	
H-22 22 46.4	
31.4S 179.2W	
h ABOUT 211KM	
TUC EP	22 35 26.8
EUR IP	22 35 30.9
OCT 30	
SLD E(P)	22 23 27.0
BMO EP	22 23 30.8
BOZ E(P)	22 23 39.7
BUT EP	22 23 40.5
NEW EP	22 24 11.0
COL EP	22 27 39.0
OCT 30	
BMO E(P)	22 52 41.6
OCT 30	
COL E(P)	23 15 51.0
OCT 30	
H-23 57 13.2	
50.6N 178.8E	
h ABOUT 33KM	
ADK IP	23 58 01.4
IS	58 38.4
COL EP	24 02 11.0
NEW EP	24 04 51.0
BMO EP	24 05 03.7
HHM E(P)	24 05 06.6
EUR IP	24 05 35.5
BCN EP	24 05 58.8
TUC E(P)	24 06 33.2
OCT 31	
ADK EP	00 10 54.0
ES	11 31.4
OCT 31	
ADK EP	00 21 53.6
ES	22 30.6

Date and Station	Phase (GCT)
	h m s
OCT 31	
TUC E(P)	00 41 15.0
OCT 31	
ADK IP	01 02 55.5
IS	03 32.4
OCT 31	
COL E(P)	01 03 17.0
BMO E(P)	01 09 59.1
BOZ E(P)	01 10 23.0
EUR IP	01 10 29.0
OCT 31	
ADK EP	01 50 11.9
IS	50 48.4
COL E(P)	01 54 35.0
EUR EP	01 57 47.0
OCT 31	
H-02 59 03.2	
19.9S 071.2W	
h ABOUT 26KM	
BMO EP	03 10 55.6
EUR EP	03 10 27.2
OCT 31	
COL IP	03 10 39.7
OCT 31	
SJG IP	04 01 09.0
IS	01 12.5
OCT 31	
COL EP	04 13 02.0
EUR EP	04 13 49.0
OCT 31	
COL IP	04 23 35.2
EUR IP	04 24 22.3
OCT 31	
TUC E(P)P	04 54 39.2
OCT 31	
EUR EP	04 57 02.8
OCT 31	
BRW EP	05 08 23.0
OCT 31	
H-05 11 58.4	
19.4N 067.7W	
h ABOUT 20KM	
SJG IP D	05 12 31.8
IS	12 56.0
ALQ I(P)	05 19 13.3
BCN EP	05 20 11.3
BOZ E(P)	05 20 11.7
BUT E(P)	05 20 17.1

Date and Station	Phase (GCT)
	h m s
EUR IP	05 20 22.4
BMO EP	05 20 38.4
NEW EP	05 20 45.0
COL EP	05 23 01.0
OCT 31	
SJG IP	05 30 32.3
IS	30 57.0
OCT 31	
H-06 46 41.6	
19.5N 67.7W	
h ABOUT 33KM	
SJG IP D	06 47 13.2
IS	47 38.5
OCT 31	
SJG IP	07 49 21.5
IS	49 47.5
OCT 31	
SJG IP	08 10 40.3
IS	11 04.6
OCT 31	
H-08 20 32.0	
37.2S 094.3W	
h ABOUT 33KM	
EUR EP	08 32 32.5
BUT E(P)	08 33 02.6
BMO E(P)	08 33 04.2
OCT 31	
H-09 09 23.7	
52.7S 018.6E	
h ABOUT 33KM	
BUT EP'	09 29 02.6
EUR EP'	09 29 02.8
EUR IP'	09 29 04.8
BMO EP'	09 29 09.1
HHM EP'	09 29 09.5
OCT 31	
SJG EP	10 26 40.2
ES	27 07.0
OCT 31	
TUC EP	11 20 11.0
OCT 31	
ADK EP	11 50 11.9
IS	50 48.4
OCT 31	
BCN E(P)	13 08 48.7
ES	08 57.0
EUR EP	13 08 53.2
I	08 59.0
E(S)	09 33.2

Date and Station	Phase (GCT)
	h m s
OCT 31	
H-13 36 58.4	
29.8N 141.9E	
h ABOUT 33KM	
COL EP	13 46 29.0
BMO EP	13 48 47.9
EUR EP	13 49 06.9
OCT 31	
TUC E(P)	14 40 39.7
BCN E(P)	14 41 09.2
EL	43 08.8
EUR E(P)	14 42 04.1
OCT 31	
TUC E(P)	15 04 23.0
EUR E(P)	15 05 11.0
BMO EP	15 05 34.4
OCT 31	
EUR EP	15 20 11.2
OCT 31	
BCN EP	15 43 55.9
OCT 31	
EUR E(P)	16 34 27.2
OCT 31	
BMO IPN	17 02 11.8
OCT 31	
H-17 18 16.8	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	17 18 40.4
GCA IP	17 18 51.5
IS	19 17.8
SLC E(P)	17 19 28.6
TUC EPN	17 19 40.5
ALQ E(P)	17 19 54.6
E	20 16.0
EL	21 41.0
BOZ E(P)	17 20 15.5
E	22 45.5
OCT 31	
ADK IP	17 19 44.8
IS	19 52.9
COL IP	17 22 43.2
NEW EP	17 24 02.0
OCT 31	
SLD EP	17 20 00.3
IL	21 12.6
OCT 31	
ADK IP	17 54 02.6

Date and Station	Phase (GCT)
	h m s
OCT 31	
H-18 23 51.6	
19.2N 067.8W	
h ABOUT 34KM	
SJG IP D	18 24 23.2
IS	24 48.0
ALQ IP	18 31 04.5
TUC EP	18 31 30.0
BCN EP	18 32 02.9
BOZ EP C	18 32 03.7
EUR EP	18 32 12.5
HHM E(P)	18 32 22.0
BMO E(P)	18 32 29.3
NEW IP	18 32 36.2
COL EP	18 34 52.0
OCT 31	
EUR EP	18 49 14.1
OCT 31	
BCN E(P)	19 21 44.5
OCT 31	
SLC E(P)	19 34 02.5
OCT 31	
H-20 00 48.9	
55.7N 164.1E	
h ABOUT 33KM	
NEW EP	20 09 16.0
BOZ E(P)	20 09 51.4
EUR IP	20 10 06.8
BCN E(P)	20 10 30.6
OCT 31	
COL E(P)	20 05 46.5
OCT 31	
BOZ EPN	21 35 37.7
EL	35 47.2
OCT 31	
BUT E(P)	22 52 15.3

Date and Station	Phase (GCT)
	h m s

Date and Station	Phase (GCT)
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