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SEISMOLOGICAL BULLETIN

August 1966

MSI-308

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

December 1968

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National Oceanic and Atmospheric Administration

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LIST OF SEISMOGRAPH STATIONS

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

Adak, Aleutian, Islands (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)
*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, Puerto Rico (SJG) WWNSS
San Luis Dam, California
Bureau of Reclamation
Sitka, Alaska (SIT)
Tucson, Arizona (TUC) WWNSS
Ukiah, California (UKI)
International Latitude Observatory
Washington, D. C. (WAS)
Washington Science Center, Maryland (WSC)

*Indicates a station maintanied 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 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 Epicenters cards with the addition of some new epicenters.

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

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

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
1	03 23 03.1	10.2 S	161.1 E	70	5.7	SOLOMON ISLANDS.
1	03 54 57.9	71.9 N	7.0 W	33		JAN MAYEN ISLAND REGION.
1	04 27 58.5	39.4 N	72.0 E	19		KIRGIZ SSR.
1	06 25 59.0	51.6 N	177.7 E	49	5.1	RAT ISLANDS, ALEUTIAN ISLANDS.
1	06 29 43.1	39.1 N	70.3 E	34	5.1	TADZHIK SSR.
1	07 42 00.4	14.3 N	92.8 W	55	4.1	NEAR COAST OF CHIAPAS, MEXICO.
1	08 42 38*	21.4 S	175.4 W	33	4.0	TONGA ISLANDS.
1	09 48 02.5	1.2 S	78.6 W	61	4.7	ECUADOR.
1	09 50 38.5	17.8 S	70.6 W	114	4.7	NEAR COAST OF PERU. FELT AT AREQUIPA.
1	11 50 16.0	21.6 N	142.9 E	319	4.8	MARIANA ISLANDS REGION.
1	15 50 28*	51.4 N	178.0 W	68	4.6	ANDREANOF ISLANDS, ALEUTIAN IS.
1	15 51 16*	51.2 N	178.9 W	33	4.7	ANDREANOF ISLANDS, ALEUTIAN IS.
1	17 16 41*	0.8 N	30.0 E	38		UGANDA.
1	19 09 54.6	29.9 N	68.7 E	22	5.4	WEST PAKISTAN.
1	19 45 17.6	19.4 S	174.4 W	33	4.6	TONGA ISLANDS.
1	20 24 22*	15.2 S	173.0 W	33	4.3	TONGA ISLANDS.
1	20 30 55.2	30.0 N	68.5 E	17	5.6	WEST PAKISTAN.
1	20 32 04.5	45.0 N	150.3 E	38	5.1	KURILE ISLANDS.
1	21 02 59.5	30.1 N	68.6 E	33	6.0	WEST PAKISTAN. MAG. 6 3/4 (PAS). AT LEAST TWO PERSONS KILLED, 15 INJURED AND EXTENSIVE PROPERTY DAMAGE IN THE QUETTA AREA.
1	21 35 40.5	29.7 N	69.2 E	33	5.0	WEST PAKISTAN.
1	22 30 53.2	29.9 N	68.8 E	20	5.1	WEST PAKISTAN.
1	23 35 08.0	55.9 S	146.8 E	35	4.9	WEST OF MACQUARIE ISLAND.
2	01 06 20.4	19.8 S	69.0 W	157	4.0	NORTHERN CHILE.
2	02 34 27.6	52.1 N	156.9 E	128	4.7	KAMCHATKA.
2	05 41 38.0	30.1 N	68.7 E	33	5.0	WEST PAKISTAN.
2	09 18 57.6	29.9 N	69.2 E	21	5.0	WEST PAKISTAN.
2	13 54 38*	36.9 N	107.2 W	5		NEW MEXICO.
2	14 27 47*	9.4 S	160.7 E	88	4.4	SOLOMON ISLANDS.
2	15 57 05.2	36.4 S	99.8 W	33	4.6	SOUTHERN PACIFIC OCEAN.
2	18 25 21.8	13.9 S	165.9 E	40	5.0	NEW HEBRIDES ISLANDS.
2	18 48 35.2	36.7 N	137.9 E	7	4.8	HONSHU, JAPAN. SLIGHT DAMAGE AT MATSUSHIRO.
2	19 25 29.0	18.5 S	177.7 W	537	3.9	FIJI ISLANDS REGION.
2	22 01 29.4	20.7 S	176.8 W	406	4.0	FIJI ISLANDS REGION.
3	02 26 21.3	39.4 N	123.2 W	19	4.4	NEAR COAST OF NORTHERN CALIF. MAG. 3.6 (BRK).
3	03 12 40.7	52.5 S	26.1 E	33	4.6	SOUTH OF AFRICA.
3	04 25 44.2	44.9 N	150.2 E	33	4.3	KURILE ISLANDS REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
3	09 41 39*	36.0 N	120.5 W	18	4.0	CENTRAL CALIFORNIA. MAG. 3 (BRK).
3	10 24 39.7	17.6 N	92.4 W	33	3.8	CHIAPAS, MEXICO.
3	11 00 19.9	26.0 N	129.5 E	33	4.9	RYUKYU ISLANDS.
3	12 19 41*	15.7 N	60.8 W	24	4.0	LEEWARD ISLANDS.
3	12 39 04.4	35.7 N	120.4 W	19	4.1	CENTRAL CALIFORNIA. MAG. 3.5 (BRK).
3	16 00 24.6	55.1 N	166.4 E	33	4.6	KOMANDORSKY ISLANDS REGION.
3	18 55 39.2	54.7 N	162.7 W	128	4.4	ALASKA PENINSULA.
3	19 01 25.7	31.3 N	131.7 E	33	4.4	KYUSHU, JAPAN.
3	22 13 25.8	37.2 N	71.3 E	86	4.7	AFGHANISTAN-USSR BORDER REGION.
4	03 26 00.5	1.6 S	106.0 W	33	4.6	NORTHERN EASTER I. CORDILLERA.
4	05 42 22.1	7.2 S	120.4 E	548	5.3	FLORES SEA.
4	11 56 28.1	18.2 S	178.0 W	571	5.1	FIJI ISLANDS REGION.
4	12 33 51*	36.8 N	138.1 E	33	4.3	HONSHU, JAPAN.
4	15 25 37.6	17.7 S	174.9 W	210	4.6	TONGA ISLANDS.
4	17 32 45.1	36.7 N	71.3 E	206		AFGHANISTAN-USSR BORDER REGION.
4	20 23 03*	2.1 N	127.1 E	87	4.2	MOLUCCA PASSAGE.
4	20 37 33.5	51.2 N	179.1 E	53	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
4	22 29 25.2	29.9 N	68.6 E	33	4.9	WEST PAKISTAN.
4	22 49 26.5	17.6 S	167.6 E	8		NEW HEBRIDES ISLANDS.
4	23 39 09*	7.6 N	82.8 W	33	4.1	SOUTH OF PANAMA.
5	00 50 08.2	21.6 S	68.4 W	135	4.3	CHILE-BOLIVIA BORDER REGION.
5	01 03 02.4	32.7 N	79.5 E	36	5.2	KASHMIR-TIBET BORDER REGION.
5	03 57 57.8	49.9 N	78.0 E	0	5.5	EASTERN KAZAKH SSR.
5	04 26 02.8	44.6 N	141.1 E	238	4.3	HOKKAIDO, JAPAN REGION.
5	04 33 02.6	11.1 S	162.6 E	52	5.4	SOLOMON ISLANDS.
5	07 02 48.9	11.1 S	162.9 E	33	4.2	SOLOMON ISLANDS.
5	08 10 59.9	11.1 N	139.6 E	15	4.8	WEST CAROLINE ISLANDS.
5	11 21 18.2	29.0 S	68.5 W	92	4.4	SAN JUAN PROVINCE, ARGENTINA.
5	13 20 57.4	16.6 N	98.2 W	82	3.8	NEAR COAST OF GUERRERO, MEXICO.
5	15 38 12.2	5.4 S	153.8 E	84	5.2	NEW IRELAND REGION.
5	16 44 43*	5.0 S	153.5 E	64		NEW IRELAND REGION.
5	17 47 42.0	42.0 N	18.7 E	37	5.0	YUGOSLAVIA. SLIGHT DAMAGE IN TITOGRAD AREA.
5	19 56 39.1	11.1 S	162.8 E	35	4.8	SOLOMON ISLANDS.
5	20 00 05.0	28.6 N	139.6 E	438	4.7	BONIN ISLANDS REGION.
5	20 09 09*	6.2 N	82.5 W	39	4.6	SOUTH OF PANAMA.
6	02 31 07.1	42.2 N	18.8 E	33	5.2	YUGOSLAVIA. SLIGHT DAMAGE IN TITOGRAD AREA.
6	05 10 11.6	72.6 N	1.6 W	33	4.2	JAN MAYEN ISLAND REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
6	05 51 59.0	42.2 N	18.8 E	33	4.9	YUGOSLAVIA.
6	06 08 50*	51.5 N	179.1 E	33	3.7	RAT ISLANDS, ALEUTIAN ISLANDS.
6	07 26 37.5	51.4 N	179.2 E	49	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
6	07 29 58.8	51.1 N	178.8 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
6	08 04 10.1	45.4 N	150.1 E	53	4.6	KURILE ISLANDS.
6	08 21 26.5	31.6 N	139.6 E	169	4.7	SOUTH OF HONSHU, JAPAN.
6	11 24 13.8	23.5 S	179.7 W	504	4.2	SOUTH OF FIJI ISLANDS.
6	12 49 33.6	46.5 S	165.6 E	15		OFF W. COAST OF S. ISLAND, N.Z.
6	14 38 43.7	7.4 S	74.7 W	156	5.1	PERU-BRAZIL BORDER REGION.
6	15 46 27.7	55.8 S	27.6 W	33	4.7	SOUTH SANDWICH ISLANDS REGION.
6	15 48 55.1	62.4 N	151.4 W	51	3.9	CENTRAL ALASKA.
6	17 58 51.2	24.8 N	123.5 E	126	4.9	SOUTHWESTERN RYUKYU ISLANDS.
6	18 31 07*	73.2 N	6.4 E	33	4.5	GREENLAND SEA.
6	18 32 32.3	38.1 N	22.1 E	36	4.4	GREECE. FELT AT KERTEZA, KALAVRITAN AND PATRAI.
6	19 33 21.1	44.8 N	150.3 E	30	5.0	KURILE ISLANDS REGION.
6	20 12 32.5	73.1 N	6.1 E	33	4.9	GREENLAND SEA.
6	20 19 30.0	44.8 N	150.2 E	39	4.9	KURILE ISLANDS REGION.
6	21 04 33.1	52.0 N	175.3 E	33	5.2	RAT ISLANDS, ALEUTIAN ISLANDS.
7	01 36 56*	18.4 S	178.0 W	530	4.7	FIJI ISLANDS REGION.
7	02 13 04.7	50.6 N	171.2 W	33	6.2	ALEUTIAN ISLANDS REGION. MAG. 6 3/4 (PAS), 7 (BRK). FELT ON ADAK.
7	03 07 13.0	10.7 S	161.2 E	22	5.2	SOLOMON ISLANDS.
7	04 11 30*	11.0 N	86.2 W	125	4.1	NEAR COAST OF NICARAGUA.
7	05 14 32.5	5.9 N	82.5 W	33	4.2	SOUTH OF PANAMA.
7	05 33 40.6	13.4 N	89.9 W	74	4.4	EL SALVADOR.
7	08 20 58.2	6.9 N	73.1 W	140	4.4	NORTHERN COLOMBIA.
7	10 28 28.3	42.3 N	85.1 E	27	4.6	NORTHERN SINKIANG PROV., CHINA.
7	13 42 07.8	24.0 S	179.9 W	536	4.6	SOUTH OF FIJI ISLANDS.
7	14 11 54.9	59.6 N	144.6 W	33	4.8	GULF OF ALASKA. MAG. 4.4-4.8 (BRK).
7	14 30 46.9	36.5 N	22.2 E	54	4.4	SOUTHERN GREECE.
7	14 58 38.6	31.3 S	68.7 W	76	3.3	SAN JUAN PROVINCE, ARGENTINA.
7	15 07 37*	17.4 S	173.5 W	33	4.4	TONGA ISLANDS.
7	17 03 17.7	35.5 N	120.7 W	2	3.9	CENTRAL CALIFORNIA. MAG. 3.2 (BRK).
7	17 36 27.3	31.7 N	114.5 W	33		GULF OF CALIFORNIA. MAG. 6 1/4-6 1/2 (PAS), 6.6-7.0 (BRK). FELT WIDELY IN SOUTHERN CALIFORNIA, ARIZONA AND NORTHERN MEXICO.
7	20 18 41.2	42.4 N	143.0 E	62	5.4	HOKKAIDO, JAPAN REGION.
7	20 22 26.2	17.5 S	72.2 W	45	4.6	NEAR COAST OF PERU.
7	23 45 33.0	19.3 S	168.5 E	32	4.8	NEW HEBRIDES ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
8	00 24 27.7	5.7 S	133.7 E	22	5.2	AROE ISLANDS REGION.
8	00 37 16.6	36.6 N	138.1 E	6	4.6	HONSHU, JAPAN.
8	01 24 27.9	28.7 S	62.5 W	606	3.9	SANTIAGO DEL ESTERO PROV., ARG.
8	05 12 14.5	34.0 S	179.5 W	60	4.3	SOUTH OF KERMADEC ISLANDS.
8	07 24 16.2	10.5 S	164.3 E	33	5.2	SANTA CRUZ ISLANDS REGION.
8	08 02 45.8	19.3 N	108.2 W	33	5.2	REVILLA GIGEDO ISLANDS REGION. MAG. 5.5-5.9 (BRK).
8	09 57 30.4	27.7 S	69.0 W	90	5.4	NORTHERN CHILE.
8	11 43 38.2	40.8 N	21.4 E	24	4.2	GREECE. FELT IN FLORINA AREA AND AT VEVI.
8	12 40 58.1	13.4 N	145.5 E	64	4.7	MARIANA ISLANDS.
8	13 51 17*	40.1 S	75.1 W	33	4.3	OFF COAST OF SOUTHERN CHILE.
8	20 33 47.8	22.9 S	66.5 W	206	4.1	JUJUY PROVINCE, ARGENTINA.
8	22 37 42.4	20.1 S	168.5 E	33	4.1	LOYALTY ISLANDS.
8	23 10 45.3	19.2 N	104.2 W	46	4.1	NEAR COAST OF JALISCO, MEXICO.
9	00 19 58.0	32.6 N	48.9 E	39	4.2	WESTERN IRAN.
9	01 05 34.2	42.2 N	18.9 E	26	4.2	YUGOSLAVIA.
9	01 13 14*	20.1 S	168.5 E	33		LOYALTY ISLANDS.
9	03 34 13.2	40.2 N	19.8 E	27	4.8	ALBANIA. FELT ON CORFU ISLAND.
9	08 26 38.5	35.3 N	118.7 W	2		CENTRAL CALIFORNIA.
9	08 58 55.5	17.0 N	97.8 W	120	4.4	OAXACA, MEXICO.
9	10 32 59.6	19.0 S	69.3 W	127	4.0	NORTHERN CHILE.
9	11 12 39.1	9.3 N	83.8 W	35	4.7	COSTA RICA.
9	15 02 32.8	17.4 S	69.6 W	168	3.8	PERU-BOLIVIA BORDER REGION.
9	15 19 24.6	34.5 N	138.6 E	78	4.2	NEAR S. COAST OF HONSHU, JAPAN.
9	17 30 36.8	20.8 S	174.7 W	25	4.6	TONGA ISLANDS.
9	22 25 42.5	17.3 S	167.5 E	33	5.1	NEW HEBRIDES ISLANDS.
9	22 30 32.8	23.9 S	68.0 W	130	4.1	NORTHERN CHILE.
9	23 31 23*	23.1 S	175.8 W	33	4.6	TONGA ISLANDS REGION.
10	02 03 32.9	52.2 N	174.6 W	69	4.8	ANDREANOF ISLANDS, ALEUTIAN IS.
10	03 21 51*	31.1 N	91.9 E	33	4.6	TIBET.
10	05 01 09.3	20.1 S	175.4 W	95		TONGA ISLANDS. MAG. 6 1/2 (PAS), 5.2-5.6 (BRK).
10	12 33 42.2	5.5 S	151.8 E	37	5.2	NEW BRITAIN REGION. MAG. 5-5.5 (BRK). FELT AT RABAUL.
10	12 56 47*	19.0 N	104.5 W	50	4.0	NEAR COAST OF JALISCO, MEXICO.
10	13 07 18.5	5.5 S	151.7 E	65	5.1	NEW BRITAIN REGION. FELT AT RABAUL.
10	13 16 00.1					37°10'07"N.116°02'52"W. NEVADA TEST SITE. "ROVENA". SHOT ELEVATION 1106.7 METERS (AEC).
10	13 24 51*	30.8 N	114.5 W	33	3.9	GULF OF CALIFORNIA.

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AUG	H M S	DEG	DEG	KM		
10	15 22 42.3	36.5 N	22.3 E	55	4.5	SOUTHERN GREECE.
10	15 57 40.3	5.5 S	151.8 E	59	5.4	NEW BRITAIN REGION. FELT AT RABAUL.
10	16 51 31*	44.4 S	38.5 E	33	4.7	PRINCE EDWARD ISLANDS REGION.
10	17 45 46*	31.3 N	114.4 W	33	4.7	GULF OF CALIFORNIA.
10	17 47 42.3	2.2 N	102.9 W	33	4.5	EAST CENTRAL PACIFIC OCEAN.
10	21 25 47*	20.0 S	67.6 W	105	4.4	SOUTHERN BOLIVIA.
10	22 05 35.3	38.4 N	69.6 E	5	5.3	TADZHIK SSR.
11	00 23 39.5	37.7 N	21.0 E	38	4.5	SOUTHERN GREECE. FELT IN ELIS AREA.
11	04 34 13.1	38.8 N	21.7 E	5	4.4	GREECE. FELT AT AGRINION.
11	05 12 42.5	19.3 S	173.8 W	31	5.4	TONGA ISLANDS. MAG. 4.7-5.2 (BRK).
11	06 37 39.2	38.4 N	69.4 E	10		TADZHIK SSR.
11	08 40 06.2	18.1 S	178.3 W	572	4.0	FIJI ISLANDS REGION.
11	08 55 05*	18.0 S	178.5 W	579	3.4	FIJI ISLANDS REGION.
11	09 50 41.1	10.5 N	84.0 W	96	4.3	COSTA RICA.
11	10 07 00.9	29.0 S	69.4 W	107	4.2	CHILE-ARGENTINA BORDER REGION.
11	10 45 59.1	52.7 N	169.7 W	56	5.3	FOX ISLANDS, ALEUTIAN ISLANDS.
11	10 50 28*	52.4 N	169.4 W	33	4.4	FOX ISLANDS, ALEUTIAN ISLANDS.
11	13 25 37.2	19.8 N	108.9 W	33	4.4	REVILLA GIGEDO ISLANDS REGION.
11	14 47 04.5	19.8 N	109.0 W	33	4.4	REVILLA GIGEDO ISLANDS REGION.
11	14 59 33.3	19.6 N	109.1 W	33	4.5	REVILLA GIGEDO ISLANDS REGION.
11	15 03 41.7	5.7 N	126.5 E	118	4.9	MINDANAO, PHILIPPINE ISLANDS.
11	15 10 27*	18.9 S	69.6 W	130	4.3	NORTHERN CHILE.
11	15 45 11.7	17.6 S	178.6 W	506	3.6	FIJI ISLANDS REGION.
11	17 47 17*	5.6 S	147.5 E	84		EAST NEW GUINEA REGION.
11	18 58 27*	21.5 S	169.2 E	33	4.3	LOYALTY ISLANDS REGION.
11	19 12 27*	37.6 N	20.7 E	20		IONIAN SEA.
11	20 39 56.0	23.5 S	175.9 W	33	5.2	TONGA ISLANDS REGION.
11	22 16 15.2	23.4 S	175.7 W	33	4.8	TONGA ISLANDS REGION.
11	23 17 19*	23.4 S	175.9 W	33	4.7	TONGA ISLANDS REGION.
11	23 25 37.9	23.4 S	175.9 W	36	5.3	TONGA ISLANDS REGION. MAG. 5.4-5.8 (BRK).
11	23 33 48*	23.6 S	175.6 W	8	4.6	TONGA ISLANDS REGION.
12	00 12 35.1	23.4 S	175.8 W	11	4.9	TONGA ISLANDS REGION.
12	01 49 02.3	14.7 S	176.0 W	22	4.7	FIJI ISLANDS REGION.
12	03 59 49.7	22.4 S	176.2 W	126	5.4	SOUTH OF FIJI ISLANDS.
12	05 04 00*	15.2 S	175.0 W	33	4.5	TONGA ISLANDS.
12	08 53 36.5	14.7 N	91.1 W	33	3.8	GUATEMALA.
12	09 18 54*	36.6 N	107.2 W	5		NEW MEXICO.
12	10 31 40.3	53.1 N	167.3 W	33	4.1	FOX ISLANDS, ALEUTIAN ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
12	14 31 08.5	20.9 S	178.8 W	562	4.3	FIJI ISLANDS REGION.
12	14 37 48.4	23.7 S	175.8 W	5	4.9	TONGA ISLANDS REGION.
12	14 40 56.0	14.3 N	89.9 W	77	3.8	GUATEMALA.
12	15 36 16.5	53.7 N	35.1 W	33	4.7	NORTH ATLANTIC OCEAN.
12	16 06 27.6	53.9 N	35.3 W	33	4.6	NORTH ATLANTIC OCEAN.
12	19 22 25.5	34.0 N	137.4 E	337	4.9	NEAR S. COAST OF HONSHU, JAPAN.
12	19 24 05.9	53.3 S	25.4 E	33	4.8	SOUTH OF AFRICA.
12	20 17 00.5	52.6 N	161.6 W	31	5.6	SOUTH OF ALASKA. MAG. 4.5-4.9 (BRK).
12	21 08 04.1	23.9 N	142.0 E	95	4.6	VOLCANO ISLANDS REGION.
12	22 23 42.3	27.5 N	140.1 E	463	4.1	BONIN ISLANDS REGION.
13	00 43 30.2	16.0 N	97.6 W	59	3.4	OAXACA, MEXICO.
13	02 24 02.2	22.3 S	170.2 E	15	4.7	LOYALTY ISLANDS REGION.
13	05 44 50*	22.1 S	170.2 E	21		LOYALTY ISLANDS REGION.
13	06 42 20.5	21.7 S	169.6 E	33		LOYALTY ISLANDS REGION.
13	07 53 19.1	17.7 S	13.4 W	33	4.3	SOUTH ATLANTIC RIDGE.
13	09 01 00.1	16.6 N	97.9 W	57	3.3	OAXACA, MEXICO.
13	09 18 34.4	22.0 S	170.4 E	33	4.6	LOYALTY ISLANDS REGION.
13	12 11 33*	21.9 S	170.4 E	33	4.7	LOYALTY ISLANDS REGION.
13	15 14 40*	22.4 S	67.5 W	106	3.9	CHILE-BOLIVIA BORDER REGION.
13	16 58 40.8	24.2 N	122.9 E	45	4.6	TAIWAN REGION.
13	19 53 52.1	21.5 S	170.8 E	33		LOYALTY ISLANDS REGION.
13	22 38 48.5	38.0 N	20.8 E	34	4.5	GREECE.
13	22 43 20.5	15.7 N	92.8 W	52	3.3	MEXICO-GUATEMALA BORDER REGION.
14	02 39 49.1	38.8 N	21.6 E	33	4.1	GREECE.
14	03 12 19*	14.3 S	166.4 E	79		NEW HEBRIDES ISLANDS.
14	04 36 10.0	21.9 S	170.1 E	93		LOYALTY ISLANDS REGION.
14	04 51 04.5	21.9 S	170.0 E	15	4.3	LOYALTY ISLANDS REGION.
14	05 08 34.4	38.3 N	73.7 E	144	4.6	TADZHIK-SINKIANG BORDER REGION.
14	05 34 48.9	51.9 N	178.5 W	47	4.6	ANDREANOF ISLANDS, ALEUTIAN IS.
14	06 08 45*	22.1 S	170.0 E	33		LOYALTY ISLANDS REGION.
14	07 46 46.7	14.5 S	68.9 W	33	4.2	PERU-BOLIVIA BORDER REGION.
14	07 47 37.1	22.0 S	170.1 E	33		LOYALTY ISLANDS REGION.
14	10 02 48.8	22.1 S	170.2 E	33	4.8	LOYALTY ISLANDS REGION.
14	11 52 00.4	22.0 S	170.4 E	33		LOYALTY ISLANDS REGION.
14	15 25 52.5	32.0 N	102.6 W	33	3.4	WEST TEXAS. MINOR DAMAGE AT KERMIT, ALSO FELT AT WINK, TEXAS AND LOCO HILLS, NEW MEXICO.
14	19 46 52.7	6.7 S	127.8 E	326		BANDA SEA.
14	20 01 18.8	23.9 S	176.1 W	33	4.3	SOUTH OF FIJI ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
14	21 18 57.6	21.8 S	169.9 E	39		LOYALTY ISLANDS REGION.
14	23 02 41.9	21.2 S	179.2 W	581	3.9	FIJI ISLANDS REGION.
15	02 12 48.1	17.9 S	178.3 W	571	4.5	FIJI ISLANDS RFGION.
15	02 15 34.4	28.7 N	78.9 E	53	5.6	NORTHERN INDIA. 15 KILLED, 24 INJURED AT NEW DELHI.
15	02 45 34.3	13.3 N	121.3 E	24	5.4	MINDORO, PHILIPPINE ISLANDS. FELT.
15	07 40 20*	20.0 S	177.6 W	523		FIJI ISLANDS REGION.
15	09 54 49.8	17.3 S	167.7 E	48		NEW HEBRIDES ISLANDS.
15	10 20 42.3	3.8 N	64.0 E	33	5.8	CARLSBERG RIDGE.
15	10 52 07*	3.8 S	126.7 E	66	4.6	BURU.
15	10 58 51.9	58.2 N	153.0 W	41	4.3	KODIAK ISLAND REGION.
15	12 10 48.7	29.7 N	68.6 E	33	4.8	WEST PAKISTAN.
15	12 58 02.3	20.7 S	178.8 W	525	4.5	FIJI ISLANDS REGION.
15	13 36 24.7	60.3 N	146.0 W	15	5.3	SOUTHERN ALASKA. MAG. 4.6-5 (BRK).
15	15 12 59.3	4.7 N	75.3 W	83	4.0	COLOMBIA.
15	19 37 06*	22.6 S	24.4 E	33		BOTSWANA REPUBLIC.
15	19 37 08.5	61.0 N	152.3 W	104	4.3	SOUTHERN ALASKA.
16	01 15 57.5	16.3 S	172.8 E	33	4.7	NEW HEBRIDES ISLANDS REGION.
16	02 16 19.8	36.5 N	70.8 E	199	5.5	HINDU KUSH REGION. FELT PESHAWAR.
16	02 47 45.1	71.2 N	6.4 W	33	4.3	JAN MAYEN ISLAND REGION.
16	02 51 41.3	32.4 S	71.8 W	41	4.3	NEAR COAST OF CENTRAL CHILE.
16	03 53 39.2	40.2 N	19.7 E	5	4.7	ALBANIA. FELT ON CORFU ISLAND.
16	04 43 21.4	30.1 N	113.7 W	11	4.3	GULF OF CALIFORNIA.
16	04 54 29.7	21.9 S	170.1 E	47	4.2	LOYALTY ISLANDS REGION.
16	08 53 42.9	18.4 S	169.3 E	214	3.8	NEW HEBRIDES ISLANDS.
16	09 42 23.4	33.5 N	137.6 E	215	4.0	NEAR S. COAST OF HONSHU, JAPAN.
16	09 43 25.2	5.8 S	104.4 E	33	4.8	SOUTHERN SUMATRA.
16	14 22 49.9	52.1 N	159.5 E	46	4.3	OFF EAST COAST OF KAMCHATKA.
16	15 00 44.9	14.3 N	93.0 W	33	4.3	NEAR COAST OF CHIAPAS, MEXICO.
16	15 02 15.4	4.1 N	62.8 E	33	4.6	CARLSBERG RIDGE.
16	17 47 42.9	27.8 S	178.0 W	196	4.9	KERMADEC ISLANDS.
16	18 02 36.6	37.4 N	114.2 W	33	5.6	SOUTHERN NEVADA. MAG. 6 (PAS), 5.7-6.1 (BRK), 5 1/2 (PAL). FELT IN SOUTHERN NEVADA AND UTAH.
16	19 45 38.0	21.4 S	171.4 E	28	5.2	LOYALTY ISLANDS REGION. MAG. 5.6-6 (BRK).
16	19 50 09.3	37.4 N	114.2 W	33	4.6	SOUTHERN NEVADA. MAG. 4 1/2 (PAS), 4.2-4.6 (BRK).
16	20 11 33.4	37.3 N	114.2 W	33		SOUTHERN NEVADA.
16	20 34 47.1	37.4 N	114.2 W	33		SOUTHERN NEVADA.
16	20 42 27.5	37.3 N	114.3 W	33		SOUTHERN NEVADA.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
16	21 01 46.6	37.2 N	28.8 E	48	4.6	TURKEY.
16	21 06 15.4	37.5 N	114.1 W	33		SOUTHERN NEVADA.
16	21 25 33.9	20.0 S	177.6 W	536	4.5	FIJI ISLANDS REGION.
16	21 30 25.7	37.4 N	114.3 W	33		SOUTHERN NEVADA.
16	22 18 00.3	71.4 N	2.9 W	33	4.2	JAN MAYEN ISLAND REGION.
16	22 45 59.4	37.1 N	114.1 W	33		SOUTHERN NEVADA.
16	23 04 09*	41.7 N	140.7 E	119	4.0	HOKKAIDO, JAPAN REGION.
17	00 53 43.8	21.7 S	171.0 E	40	4.7	LOYALTY ISLANDS REGION.
17	01 04 13.1	37.4 N	114.2 W	33		SOUTHERN NEVADA.
17	02 37 02.3	37.4 N	114.1 W	33		SOUTHERN NEVADA.
17	03 06 52.7	37.3 N	114.2 W	33		SOUTHERN NEVADA.
17	03 13 59*	37.3 N	114.2 W	33		SOUTHERN NEVADA.
17	04 14 00.7	37.4 N	114.2 W	25		SOUTHERN NEVADA. MAG. 4.4 (BRK).
17	04 46 41.0	37.3 N	114.2 W	33		SOUTHERN NEVADA. MAG. 4 (BRK).
17	05 08 23.5	37.3 N	114.2 W	33		SOUTHERN NEVADA.
17	05 37 56.7	51.9 N	176.2 E	59	4.9	RAT ISLANDS, ALEUTIAN ISLANDS.
17	06 10 21.0	7.5 S	127.9 E	131	4.7	BANDA SEA.
17	10 33 51.6	17.6 S	172.8 W	76	4.0	TONGA ISLANDS REGION.
17	11 19 06*	37.4 N	114.1 W	33		SOUTHERN NEVADA.
17	11 32 40*	37.3 N	114.1 W	33		SOUTHERN NEVADA.
17	11 52 45.9	7.3 S	123.7 E	506	4.9	BANDA SEA.
17	13 06 58.3	37.3 N	114.2 W	33		SOUTHERN NEVADA.
17	13 17 28.2	14.4 S	167.4 E	204	4.0	NEW HEBRIDES ISLANDS.
17	14 20 56.1	37.3 N	114.2 W	33	3.7	SOUTHERN NEVADA.
17	14 40 03.6	48.0 N	123.6 W	33	3.5	VANCOUVER ISLAND REGION.
17	15 39 35*	32.0 S	78.8 E	33		MID-INDIAN RISE.
17	16 18 00.1	35.2 S	70.5 W	125	4.4	CHILE-ARGENTINA BORDER REGION.
17	17 38 22.6	48.5 N	155.6 E	15	4.6	KURILE ISLANDS.
17	19 14 57.7	37.3 N	114.1 W	33		SOUTHERN NEVADA.
17	19 54 10.1	5.0 S	125.2 E	539	5.4	BANDA SEA.
17	20 58 36.6	52.2 N	175.0 E	33	5.5	RAT ISLANDS, ALEUTIAN ISLANDS. FELT.
17	21 42 50.9	37.4 N	114.1 W	33		SOUTHERN NEVADA. MAG. 3.6 (BRK).
17	23 07 58.9	37.4 N	114.1 W	33	4.9	SOUTHERN NEVADA. MAG. 4 3/4 (PAS), 5.5 (BRK).
17	23 14 42.4	50.8 N	30.1 W	33	4.7	NORTH ATLANTIC RIDGE.
17	23 27 21.1	37.4 N	114.3 W	33		SOUTHERN NEVADA.
18	00 05 04.5	1.7 S	100.6 E	16	5.0	SOUTHERN SUMATRA.
18	02 29 44.3	15.8 S	172.8 W	33	4.4	SAMOA ISLANDS REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
18	06 15 01.3	37.3 N	114.2 W	34	4.2	SOUTHERN NEVADA. MAG. 4 1/2 (PAS), 4.3-4.7 (BRK).
18	06 27 43.6	37.3 N	114.2 W	33		SOUTHERN NEVADA. MAG. 3.5 (BRK).
18	06 38 04.4	51.7 N	178.0 E	36	5.2	RAT ISLANDS, ALEUTIAN ISLANDS.
18	06 40 35.9	37.4 N	114.1 W	33		SOUTHERN NEVADA.
18	07 17 09.2	37.4 N	114.2 W	33		SOUTHERN NEVADA.
18	07 32 10.6	37.4 N	114.2 W	33		SOUTHERN NEVADA.
18	07 41 49.9	37.4 N	114.2 W	33		SOUTHERN NEVADA.
18	08 03 37.1	37.4 N	114.2 W	33		SOUTHERN NEVADA. MAG. 3 (BRK).
18	08 07 58.9	37.4 N	114.3 W	33		SOUTHERN NEVADA.
18	09 15 37.5	37.3 N	114.2 W	33	4.6	SOUTHERN NEVADA. MAG. 5 (PAS), 5-5.4 (BRK).
18	09 28 56.9	37.4 N	114.3 W	33	3.7	SOUTHERN NEVADA. MAG. 3.8 (BRK).
18	10 09 22.4	37.3 N	114.2 W	33		SOUTHERN NEVADA. MAG. 3.9 (BRK).
18	10 28 02.5	37.4 N	114.2 W	33		SOUTHERN NEVADA.
18	10 33 17.7	14.6 N	91.7 W	85	5.6	GUATEMALA. MAG. 6 (PAS), 5.9-6.2 (BRK), 6-6 1/4 (PAL). FELT AT SAN SALVADOR.
18	10 43 34.4	37.4 N	114.1 W	33		SOUTHERN NEVADA.
18	11 31 56.2	37.4 N	114.2 W	33		SOUTHERN NEVADA.
18	12 00 35.1	37.3 N	114.2 W	33	4.2	SOUTHERN NEVADA. MAG. 4 1/2 (PAS), 4.4 (BRK).
18	13 26 47.3	37.4 N	114.2 W	33		SOUTHERN NEVADA.
18	13 33 21.2	37.3 N	114.1 W	33	4.3	SOUTHERN NEVADA. MAG. 4 1/2 (PAS), 4.4 (BRK).
18	14 33 58.3	0.1 S	125.0 E	33	6.1	MOLUCCA SEA.
18	14 37 53.0	0.0 N	124.9 E	33	6.2	NORTHERN CELEBES.
18	15 02 19.3	21.7 S	169.8 E	33	4.8	LOYALTY ISLANDS REGION.
18	15 42 41.5	4.3 S	138.4 E	142	5.3	WEST NEW GUINEA.
18	15 58 06.6	37.4 N	114.1 W	33		SOUTHERN NEVADA.
18	17 35 06.4	37.4 N	114.2 W	33	5.2	SOUTHERN NEVADA. MAG. 5 (PAS), 4.5-5 (BRK).
18	19 40 52.2	14.9 N	91.9 W	33	3.7	GUATEMALA.
18	19 57 36.3	37.4 N	114.2 W	33		SOUTHERN NEVADA.
18	20 09 15.4	37.3 N	114.2 W	33		SOUTHERN NEVADA. MAG. 3.7 (BRK).
18	21 23 57.2	37.4 N	114.2 W	33		SOUTHERN NEVADA.
18	21 56 10.3	37.4 N	114.3 W	33		SOUTHERN NEVADA.
18	22 09 00.3	36.3 N	26.4 E	122	4.3	DODECANESE ISLANDS.
19	00 18 56.1	37.3 N	114.2 W	33	4.7	SOUTHERN NEVADA. MAG. 4.3 (BRK).
19	00 25 50.6	27.4 S	69.1 W	93	4.3	NORTHERN CHILE.
19	01 27 16.1	37.3 N	114.1 W	33		SOUTHERN NEVADA.
19	01 48 22.3	14.4 N	93.0 W	33	3.9	NEAR COAST OF CHIAPAS, MEXICO.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
19	02 08 05.1	37.3 N	114.2 W	33	3.9	SOUTHERN NEVADA. MAG. 3.6 (BRK).
19	02 26 47*	24.1 S	67.0 W	215	3.8	CHILE-ARGENTINA BORDER REGION.
19	02 56 00*	31.4 S	68.3 W	87	4.2	SAN JUAN PROVINCE, ARGENTINA.
19	03 10 01.4	59.5 N	144.8 W	14	4.7	GULF OF ALASKA.
19	03 53 01.0	50.4 N	77.9 E	0	4.8	EASTERN KAZAKH SSR.
19	04 15 44.6	30.3 N	105.6 W	33	4.1	TEXAS-MEXICO BORDER REGION.
19	05 15 17.0	37.4 N	114.2 W	33		SOUTHERN NEVADA.
19	05 53 34.9	37.3 N	114.2 W	33		SOUTHERN NEVADA.
19	06 16 09.5	37.4 N	114.2 W	33		SOUTHERN NEVADA.
19	06 22 59*	34.9 N	138.3 E	114	4.2	NEAR S. COAST OF HONSHU, JAPAN.
19	07 38 54*	30.2 N	105.7 W	33	3.9	TEXAS-MEXICO BORDER REGION.
19	07 51 01.2	37.4 N	114.1 W	33		SOUTHERN NEVADA.
19	07 57 52.3	37.4 N	114.3 W	33		SOUTHERN NEVADA.
19	08 38 22*	30.3 N	105.6 W	33	4.0	TEXAS-MEXICO BORDER REGION.
19	09 21 08.1	37.3 N	114.2 W	33		SOUTHERN NEVADA.
19	10 51 40.5	37.3 N	114.2 W	33	4.2	SOUTHERN NEVADA. MAG. 4 1/2 (PAS), 4.8-5.1 (BRK).
19	11 17 47.7	37.3 N	114.2 W	33	4.4	SOUTHERN NEVADA. MAG. 3.6 (BRK).
19	11 23 11.0	53.6 N	167.4 W	23	5.1	FOX ISLANDS, ALEUTIAN ISLANDS.
19	11 52 01.3	37.4 N	114.3 W	33		SOUTHERN NEVADA.
19	11 55 59*	52.5 N	167.1 W	33	4.0	FOX ISLANDS, ALEUTIAN ISLANDS.
19	12 22 10.7	39.2 N	41.6 E	33		TURKEY. MAG. 7-7 1/4 (PAS), 6.7-6.9 (BRK), 6 3/4 (PAL), 6.7 (CGS SURFACE WAVE). 2,520 KILLED, 1,370 INJURED, WITH MAJOR PROPERTY DAMAGE IN ERZURUM, BINGOL, MUS AND BITLIS PROVINCES.
19	12 41 07.0	19.7 N	73.1 W	33	4.8	HAITI REGION.
19	12 46 23.7	36.4 N	141.8 E	27	5.2	NEAR EAST COAST OF HONSHU, JAPAN.
19	13 14 06.1	16.3 S	167.0 E	10		NEW HEBRIDES ISLANDS.
19	13 15 12.3	39.4 N	41.3 E	52	5.0	TURKEY.
19	13 39 42.0	19.1 S	173.6 W	33	4.4	TONGA ISLANDS.
19	13 54 24.7	39.0 N	41.8 E	29	5.3	TURKEY.
19	13 55 47.2	37.3 N	114.2 W	33	4.2	SOUTHERN NEVADA. MAG. 3.9 (BRK).
19	13 57 23.1	18.8 S	177.5 W	564	4.6	FIJI ISLANDS REGION.
19	14 03 57.8	39.2 N	41.3 E	33	4.7	TURKEY.
19	14 17 57.0	39.3 N	41.3 E	44	5.0	TURKEY.
19	18 09 53.2	37.3 N	114.3 W	33		SOUTHERN NEVADA.
19	18 14 33.7	37.4 N	114.2 W	33		SOUTHERN NEVADA.
19	18 41 15.8	39.2 N	41.5 E	34	4.8	TURKEY.
19	21 38 44*	39.0 N	41.4 E	33	4.4	TURKEY.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
19	21 42 48.1	39.0 N	41.4 E	33	4.5	TURKEY.
20	02 13 27*	39.5 N	41.3 E	33	4.9	TURKEY.
20	04 45 22*	38.6 N	41.3 E	33	4.8	TURKEY.
20	06 14 37.4	10.4 S	161.1 E	44	4.6	SOLOMON ISLANDS.
20	06 36 02.7	30.1 N	105.5 W	33	4.3	TEXAS-MEXICO BORDER REGION.
20	07 43 27.8	3.2 S	77.3 W	115	5.5	PERU-ECUADOR BORDER REGION.
20	08 22 03.4	37.3 N	114.3 W	33	3.6	SOUTHERN NEVADA.
20	08 26 50.3	22.6 N	143.1 E	86	4.6	VOLCANO ISLANDS REGION.
20	09 32 31.9	43.1 N	140.6 E	163	5.7	HOKKAIDO, JAPAN REGION. MAG. 6 1/4 (PAS). FELT ON HOKKAIDO.
20	10 35 17.4	37.4 N	114.2 W	33		SOUTHERN NEVADA.
20	10 43 42*	53.4 N	167.2 W	33	4.4	FOX ISLANDS, ALEUTIAN ISLANDS.
20	11 31 18.0	4.1 S	102.6 E	98	5.4	SOUTHERN SUMATRA.
20	11 36 47.9	37.4 N	114.2 W	33	4.2	SOUTHERN NEVADA. MAG. 4.3 (BRK).
20	11 59 08.8	39.4 N	40.9 E	12	5.3	TURKEY. 25 KILLED IN VARTO AREA.
20	12 01 43.2	39.1 N	40.7 E	33	5.5	TURKEY.
20	12 05 19.2	42.2 N	18.7 E	33	5.6	YUGOSLAVIA. SLIGHT DAMAGE AT PERTOVAC.
20	13 08 08.8	42.0 N	18.6 E	30	5.6	YUGOSLAVIA.
20	15 17 34.6	39.3 N	40.5 E	40	4.6	TURKEY.
20	15 58 56.1	47.1 N	152.6 E	70	4.2	KURILE ISLANDS.
20	17 54 06.9	39.4 N	40.7 E	39	4.4	TURKEY.
20	19 08 20.5	42.1 N	18.9 E	25	4.5	YUGOSLAVIA.
20	22 55 00.9	23.5 S	175.9 W	37	5.6	TONGA ISLANDS REGION. MAG. 5 3/4 (PAS), 5.6-5.8 (BRK).
20	23 13 17.9	23.5 S	175.3 W	13	5.0	TONGA ISLANDS REGION.
20	23 43 28*	37.4 N	114.2 W	33		SOUTHERN NEVADA.
21	00 15 03.0	39.0 N	41.9 E	37	4.7	TURKEY.
21	01 30 42.9	40.4 N	27.4 E	12	4.7	TURKEY. FELT IN NORTHWESTERN TURKEY, EASTERN THRACE, GREECE AND ON LESVOS ISLAND.
21	02 14 03.0	23.5 S	176.0 W	47	4.8	SOUTH OF FIJI ISLANDS.
21	02 25 06.8	39.1 N	41.7 E	33	4.9	TURKEY.
21	02 57 25*	30.0 N	105.6 W	33	4.1	TEXAS-MEXICO BORDER REGION.
21	05 00 28.6	8.5 N	126.6 E	79	5.9	MINDANAO, PHILIPPINE ISLANDS. MAG. 6.6-6.9 (BRK).
21	06 04 00.5	24.0 S	175.8 W	33	4.4	SOUTH OF TONGA ISLANDS.
21	06 40 58.1	51.0 N	178.9 E	33	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
21	07 29 08.3	37.3 N	114.2 W	33		SOUTHERN NEVADA. MAG. 4 (BRK).
21	07 43 23*	24.1 S	176.6 W	33	4.5	SOUTH OF FIJI ISLANDS.
21	08 48 07*	15.5 S	70.2 W	247	3.8	SOUTHERN PERU.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
21	09 39 19.8	4.1 S	79.1 W	120	4.1	PERU-ECUADOR BORDER REGION.
21	11 43 10.5	36.5 N	71.2 E	167		AFGHANISTAN-USSR BORDER REGION.
21	11 50 39.4	42.1 N	18.6 E	24	4.8	YUGOSLAVIA.
21	13 55 12.8	7.2 S	129.4 E	131		BANDA SEA.
21	18 33 05.0	27.3 N	140.2 E	512	4.1	BONIN ISLANDS REGION.
21	18 33 55.3	41.6 N	43.7 E	4		TURKEY-USSR BORDER REGION.
21	20 25 36.3	28.9 N	132.0 E	34	5.2	EAST OF RYUKYU ISLANDS.
21	20 44 51*	40.5 N	119.6 W	33	4.2	NEVADA. MAG. 3.5 (BRK).
21	21 27 47*	5.4 S	11.7 W	33	4.4	ASCENSION ISLAND REGION.
21	22 36 35.7	39.2 N	41.5 E	33	4.8	TURKEY.
22	08 27 30.2	37.3 N	114.2 W	33	4.3	SOUTHERN NEVADA. MAG. 4 1/2-4 3/4 (PAS), 4.6 (BRK).
22	08 48 30.3	37.3 N	114.2 W	33		SOUTHERN NEVADA.
22	10 37 17.3	37.4 N	114.2 W	33		SOUTHERN NEVADA. MAG. 3.9 (BRK).
22	11 10 11.9	54.2 N	164.0 W	36	4.6	UNIMAK ISLAND REGION.
22	13 28 54.0	37.4 N	114.1 W	33		SOUTHERN NEVADA.
22	14 21 14.0	50.3 N	147.7 E	630	5.1	SEA OF OKHOTSK. MAG. 5.2-5.6 (BRK).
22	15 16 37*	51.3 N	179.6 W	57	4.1	ANDREANOF ISLANDS, ALEUTIAN IS.
22	17 00 57.5	22.5 S	70.3 W	62	4.8	NEAR COAST OF NORTHERN CHILE.
22	17 02 04.2	1.8 S	134.2 E	17	5.9	WEST NEW GUINEA REGION.
22	17 42 09.9	22.4 S	170.6 E	36		LOYALTY ISLANDS REGION. MAG. 6 1/2 (PAS), 6.7-7.1 (BRK).
22	18 19 30.4	1.9 S	134.0 E	50		WEST NEW GUINEA REGION.
22	19 05 42.7	37.3 N	114.2 W	33		SOUTHERN NEVADA. MAG. 3.8 (BRK).
22	20 31 57.2	22.5 S	170.6 E	33	4.9	LOYALTY ISLANDS REGION.
22	20 36 10.3	39.3 N	41.5 E	30	4.7	TURKEY.
22	21 28 29.3	24.9 N	61.8 E	33	4.7	NEAR COAST OF WEST PAKISTAN.
22	21 49 17.2	71.8 N	11.5 W	33	4.5	JAN MAYEN ISLAND REGION.
22	22 36 49*	1.9 S	133.8 E	33		WEST NEW GUINEA REGION.
22	23 06 37.9	0.9 N	26.7 W	33	4.5	CENTRAL MID-ATLANTIC RIDGE.
22	23 53 05.8	24.0 N	122.6 E	57	4.8	TAIWAN REGION.
22	23 53 35.4	22.6 S	170.5 E	33	5.5	LOYALTY ISLANDS REGION.
23	01 35 45.2	39.4 N	41.0 E	38	4.6	TURKEY.
23	01 37 14.7	10.8 S	78.1 W	117	4.4	NEAR COAST OF PERU.
23	01 41 58*	22.4 S	170.4 E	33	3.8	LOYALTY ISLANDS REGION.
23	02 41 11.1	7.6 S	107.0 E	33	4.9	JAVA.
23	05 46 31*	27.6 N	139.8 E	491	4.1	BONIN ISLANDS REGION.
23	06 07 36.1	12.4 N	88.2 W	39	4.0	OFF COAST OF CENTRAL AMERICA.
23	06 43 20*	16.8 N	99.5 W	93	3.8	NEAR COAST OF GUERRERO, MEXICO.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
23	06 48 44.7	49.3 N	128.5 W	33	4.2	VANCOUVER ISLAND REGION.
23	07 40 13*	22.1 S	169.6 E	33		LOYALTY ISLANDS REGION.
23	15 02 55.5	51.8 N	157.2 E	111	4.6	NEAR EAST COAST OF KAMCHATKA.
23	18 22 17.3	23.8 N	123.3 E	41	5.4	SOUTHWESTERN RYUKYU ISLANDS.
23	18 57 42.1	22.4 S	170.7 E	33		LOYALTY ISLANDS REGION.
23	19 13 19.5	52.0 N	176.3 E	48	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
23	21 58 55.7	22.5 S	170.1 E	18	4.4	LOYALTY ISLANDS REGION.
23	22 35 02.7	16.2 S	173.2 W	33	4.9	TONGA ISLANDS.
24	00 50 47.5	51.9 N	176.2 W	59	4.2	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.
24	01 51 09.2	30.0 S	177.5 W	33	4.6	KERMADEC ISLANDS REGION.
24	02 20 49.3	19.0 S	177.6 W	443	4.3	FIJI ISLANDS REGION.
24	02 46 58.4	37.4 N	73.0 E	38	4.7	TADZHIK SSR.
24	03 35 39.6	34.7 N	26.5 E	33	4.3	CRETE.
24	04 32 39.9	36.9 N	73.5 E	182	4.9	NORTHWESTERN KASHMIR.
24	04 54 31.0	37.4 N	114.2 W	33		SOUTHERN NEVADA.
24	06 51 15.9	30.0 N	68.6 E	33	5.0	WEST PAKISTAN. FELT IN LORALAI DISTRICT.
24	07 17 17.6	19.9 S	69.1 W	100	5.5	NORTHERN CHILE. MAG. 4.7-5.1 (BRK). FELT AT AREQUIPA, PERU.
24	08 27 20*	37.3 N	114.3 W	33		SOUTHERN NEVADA.
24	12 08 24.4	24.3 S	67.2 W	178	4.1	CHILE-ARGENTINA BORDER REGION.
24	15 41 01.4	7.7 S	74.3 W	142	4.2	PERU-BRAZIL BORDER REGION.
24	15 46 21.6	19.0 S	167.8 E	33	4.5	NEW HEBRIDES ISLANDS REGION.
24	18 22 35*	37.3 N	114.2 W	33		SOUTHERN NEVADA.
24	20 10 08.6	1.5 S	77.5 W	200	4.9	ECUADOR.
24	21 25 00.2	20.0 S	175.3 W	33	4.2	TONGA ISLANDS.
25	00 32 49.1	32.2 N	132.3 E	31	4.3	SHIKOKU, JAPAN.
25	03 00 46.1	37.3 N	114.2 W	33		SOUTHERN NEVADA. MAG. 3.7 (BRK).
25	03 09 48.9	37.3 N	114.3 W	33	-.0	SOUTHERN NEVADA. MAG. 3.7 (BRK).
25	11 45 45*	18.9 S	173.8 W	33	4.7	TONGA ISLANDS.
25	12 04 20.3	12.6 N	89.3 W	73	4.4	OFF COAST OF CENTRAL AMERICA. FELT AT SAN SALVADOR, EL SALVADOR.
25	15 45 49.4	37.4 N	114.2 W	33		SOUTHERN NEVADA.
25	19 30 06.6	37.3 N	114.2 W	33		SOUTHERN NEVADA.
25	22 20 34.5	22.6 S	68.6 W	113	4.5	NORTHERN CHILE. FELT AT CALAMA.
25	23 18 51.0	22.4 S	68.6 W	112	5.3	NORTHERN CHILE. FELT AT CALAMA.
25	23 42 55*	37.6 N	115.1 E	33	4.9	NORTHEASTERN CHINA.
25	23 59 01.3	10.3 S	161.2 E	91	5.0	SOLOMON ISLANDS.
26	00 15 49.8	22.5 S	68.6 W	118	4.3	NORTHERN CHILE.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
26	00 51 54.1	27.8 S	176.9 W	83	5.6	KERMADEC ISLANDS. MAG. 5.7-6.1 (BRK).
26	02 56 22.3	7.0 S	130.2 E	72		TANIMBAR ISLANDS REGION.
26	03 05 17.5	29.0 S	67.3 W	122	4.1	LA RIOJA PROVINCE, ARGENTINA.
26	04 27 03.4	35.9 N	140.7 E	49	4.4	NEAR EAST COAST OF HONSHU, JAPAN.
26	05 56 22.6	38.1 N	8.5 W	20	4.7	PORTUGAL. FELT IN LISBON AREA.
26	08 42 38*	15.4 N	93.5 W	112	4.0	NEAR COAST OF CHIAPAS, MEXICO.
26	09 06 47.5	22.1 S	170.1 E	12	5.0	LOYALTY ISLANDS REGION. MAG. 5.4-5.8 (BRK).
26	10 19 35.6	66.9 N	162.6 W	33	5.0	ALASKA. FELT AT KOTZEBUE.
26	12 01 17.7	7.3 S	147.6 E	64	5.1	EAST NEW GUINEA REGION.
26	13 28 13.2	22.1 S	169.8 E	48	4.6	LOYALTY ISLANDS REGION.
26	13 32 26.5	22.3 S	169.8 E	64	4.1	LOYALTY ISLANDS REGION.
26	13 44 21.2	22.2 S	170.2 E	33		LOYALTY ISLANDS REGION.
26	14 37 26.3	13.7 S	76.8 W	50	4.4	NEAR COAST OF PERU.
26	20 35 45.7	22.1 S	170.0 E	33		LOYALTY ISLANDS REGION.
26	21 53 39*	37.3 N	114.1 W	33		SOUTHERN NEVADA.
26	22 24 48.6	23.4 S	175.9 W	61	4.5	TONGA ISLANDS REGION.
26	22 53 40.0	24.9 S	67.9 W	96	4.4	CHILE-ARGENTINA BORDER REGION.
27	00 59 35.5	11.5 S	76.5 W	123	4.3	PERU.
27	02 36 33.2	3.2 N	128.1 E	172	5.4	NORTH OF HALMAHERA.
27	03 02 32.7	23.7 S	175.7 W	60	4.8	TONGA ISLANDS REGION.
27	04 35 48.1	5.8 N	126.0 E	116	5.3	MINDANAO, PHILIPPINE ISLANDS.
27	10 27 49.9	17.9 S	178.4 W	547	4.3	FIJI ISLANDS REGION.
27	11 23 55.3	11.7 N	140.7 E	76	4.6	WEST CAROLINE ISLANDS.
27	12 12 23*	16.1 N	86.1 W	36	4.0	CARIBBEAN SEA.
27	12 58 56.8	39.4 N	141.1 E	99	3.9	HONSHU, JAPAN.
27	15 16 34.1	19.3 S	67.6 W	246	3.9	SOUTHERN BOLIVIA.
27	15 31 49.5	37.3 N	114.3 W	33		SOUTHERN NEVADA. MAG. 3.6 (BRK).
27	15 42 52*	10.8 S	79.0 W	33	4.1	OFF COAST OF PERU.
27	17 10 44.8	13.9 N	123.6 E	16	4.9	LUZON, PHILIPPINE ISLANDS.
27	17 51 48.2	26.1 S	179.6 E	510	4.8	SOUTH OF FIJI ISLANDS.
28	02 11 21*	2.5 N	129.0 E	76		HALMAHERA.
28	04 09 21.8	36.6 N	138.2 E	7	4.5	HONSHU, JAPAN. FELT IN MATSUSHIRO AREA.
28	04 18 10.4	42.2 N	18.8 E	22	4.5	YUGOSLAVIA. MINOR DAMAGE AT BUDVA.
28	04 54 54*	37.3 N	114.3 W	33		SOUTHERN NEVADA.
28	07 29 35.6	35.9 S	178.5 E	120	5.7	OFF E. COAST OF N. ISLAND, N.Z.
28	10 03 02.2	4.6 S	155.3 E	501	5.5	SOLOMON ISLANDS.
28	10 43 01.6	36.4 N	70.9 E	180	4.8	HINDU KUSH REGION.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
28	12 02 55.4	38.1 N	23.0 E	39	4.2	GREECE.
28	12 41 03.0	41.9 N	18.7 E	44	4.7	ADRIATIC SEA.
28	13 21 13.5	18.7 S	175.6 W	176	4.6	TONGA ISLANDS.
28	13 29 15.4	51.8 N	176.8 E	66	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
28	14 53 54.7	37.3 N	114.2 W	33		SOUTHERN NEVADA.
28	15 36 16.5	36.7 N	138.2 E	5	5.0	HONSHU, JAPAN. SEVEN INJURED AT MATSUSHIRO.
28	16 44 25.4	23.5 S	179.7 E	629	4.1	SOUTH OF FIJI ISLANDS.
28	18 47 57*	2.5 N	128.1 E	52	5.1	HALMAHERA.
28	18 56 20.5	13.9 N	120.8 E	119	5.1	MINDORO, PHILIPPINE ISLANDS. FELT AT CALAPAN.
28	19 00 55*	2.5 N	128.0 E	66	5.1	HALMAHERA.
28	19 35 56.6	19.8 N	64.2 W	60	3.9	VIRGIN ISLANDS.
28	20 03 34.7	35.7 N	139.8 E	66	4.7	NEAR S. COAST OF HONSHU, JAPAN.
28	22 30 54.9	2.3 N	128.5 E	70	5.4	HALMAHERA.
29	05 48 08.6	18.5 S	71.6 W	26	4.7	OFF COAST OF NORTHERN CHILE.
29	08 05 20.0	20.6 S	69.1 W	113	4.1	NORTHERN CHILE.
29	12 10 25.4	33.0 N	137.8 E	337	4.0	NEAR S. COAST OF HONSHU, JAPAN.
29	13 10 27.1	64.8 S	177.9 E	33	5.4	BALLENY ISLANDS REGION.
29	13 28 18.7	46.6 N	152.6 E	52	4.6	KURILE ISLANDS.
29	17 35 22*	13.3 N	90.9 W	33	3.8	NEAR COAST OF GUATEMALA.
29	19 31 24.6	6.8 N	82.2 W	33	5.0	SOUTH OF PANAMA.
29	21 06 58.2	23.3 N	108.0 W	33	4.2	GULF OF CALIFORNIA.
29	22 22 36*	37.3 N	114.2 W	33		SOUTHERN NEVADA.
29	22 30 22.0	56.3 N	153.2 W	31	4.7	KODIAK ISLAND REGION.
30	01 03 11.7	55.0 S	158.5 E	33		MACQUARIE ISLAND REGION.
30	02 44 33.2	44.8 S	167.8 E	35		SOUTH ISLAND, NEW ZEALAND.
30	05 29 47.8	14.5 N	92.3 W	79	4.2	NEAR COAST OF CHIAPAS, MEXICO. FELT.
30	06 10 33.6	51.7 N	104.5 E	33	4.9	LAKE BAIKAL REGION. FELT IN IRKUTSK AREA.
30	06 42 25.9	32.2 N	56.1 E	33		IRAN.
30	08 36 03.4	33.4 S	179.1 W	33	4.5	SOUTH OF KERMADEC ISLANDS.
30	12 40 27.8	13.4 N	120.7 E	81	5.4	MINDORO, PHILIPPINE ISLANDS.
30	13 37 38.8	17.4 S	173.4 W	33	4.7	TONGA ISLANDS.
30	15 04 01.3	23.5 S	179.9 W	502	4.1	SOUTH OF FIJI ISLANDS.
30	16 54 38.2	23.8 S	179.8 W	510	4.3	SOUTH OF FIJI ISLANDS.
30	18 08 00*	15.6 N	95.8 W	15	3.9	NEAR COAST OF OAXACA, MEXICO.
30	19 42 40*	4.6 N	126.8 E	33	5.5	TALAUD ISLANDS.

DATE 1966	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
AUG	H M S	DEG	DEG	KM		
30	20 20 53.9	61.3 N	147.5 W	35	5.8	SOUTHERN ALASKA. MAG. 5 3/4-6 (PAS), 4.9-5.3 (BRK), 5 3/4 (PAL). FELT AT ANCHORAGE, VALDEZ, GLENALLEN, CORDOVA, AND KENAI.
30	20 23 18.2	61.5 N	147.5 W	33	5.5	SOUTHERN ALASKA. MAG. 4.8-5.2 (BRK).
30	23 37 19.5	18.7 N	107.0 W	53	5.0	OFF COAST OF JALISCO, MEXICO. MAG. 5.7-6.1 (BRK).
31	01 19 00.0	36.5 N	71.3 E	73	4.7	AFGHANISTAN-USSR BORDER REGION.
31	02 44 09.6	19.1 N	104.4 W	44	4.0	NEAR COAST OF JALISCO, MEXICO.
31	03 56 21.2	26.2 S	27.3 E	21		REPUBLIC OF SOUTH AFRICA.
31	08 46 06*	23.6 S	175.8 W	33	4.9	TONGA ISLANDS REGION.
31	08 58 15.6	37.3 N	114.2 W	33		SOUTHERN NEVADA.
31	08 59 14.6	8.3 S	74.3 W	150	3.9	PERU-BRAZIL BORDER REGION.
31	09 38 17.0	26.9 S	176.5 W	57	4.7	SOUTH OF FIJI ISLANDS.
31	09 56 49.7	14.6 S	75.3 W	115	4.4	NEAR COAST OF PERU.
31	12 42 38.7	37.3 N	114.2 W	33		SOUTHERN NEVADA.
31	13 22 47*	71.7 N	0.6 W	33		JAN MAYEN ISLAND REGION.
31	14 10 43.9	64.0 N	146.8 W	28	4.1	CENTRAL ALASKA.
31	15 35 30.5	53.4 N	166.7 W	53	4.8	FOX ISLANDS, ALEUTIAN ISLANDS.
31	15 42 14.5	15.2 N	120.2 E	87	5.0	LUZON, PHILIPPINE ISLANDS. FELT AT MANILA.
31	16 58 21*	16.7 N	99.1 W	33	3.6	NEAR COAST OF GUERRERO, MEXICO.
31	17 38 47*	42.0 N	141.9 E	87	4.2	HOKKAIDO, JAPAN REGION.
31	18 15 40*	71.6 N	2.7 W	33	5.0	JAN MAYEN ISLAND REGION.
31	19 09 04*	52.3 N	172.3 W	33	4.0	ANDREANOF ISLANDS, ALEUTIAN IS.
31	19 39 09.4	37.6 S	73.0 W	32	4.8	NEAR COAST OF CENTRAL CHILE.
31	23 36 08*	49.5 S	116.5 W	33	5.0	EASTER ISLAND CORDILLERA.

Date and Station	Phase (GCT)
	h m s
AUG 1	
TUC E(P)	01 04 06.2
AUG 1	
COL IP	01 54 28.7
EUR IP	01 54 57.5
AUG 1	
COL EP	02 33 02.9
AUG 1	
H-03 23 03.1	
10.2S 177.6E	
h ABOUT 70KM	
GUA EP	03 28 54.0
COL IP	03 35 26.0
SLD IP C	03 35 40.0
EUR IP C	03 36 01.6
EPP	39 36.0
EPKKP	54 07.2
BCN IP C	03 36 02.1
PP	39 36.1
BMO EP	03 36 02.3
NEW IP	03 36 05.5
TUC IP C	03 36 14.6
HHM EP	03 36 14.7
EP'P'	04 01 29.5
SLC EP	03 36 17.3
BOZ IP	03 36 21.5
E	37 05.0
EP'P'	04 01 52.0
ALQ IP	03 36 32.0
SJG EP'	03 42 13.0
AUG 1	
GUA EP	03 56 35.0
AUG 1	
BOZ EP	04 37 27.9
AUG 1	
TUC E(P)	05 34 05.0
AUG 1	
BOZ EP	06 20 34.0
AUG 1	
H-06 25 59.0	
51.6N 177.7E	
h ABOUT 49KM	
ADK EP	06 26 52.3
ES	27 32.5
COL IP	06 30 52.7
EL	40 19.0
NEW IP	06 33 36.5
IPCP	35 37.0

Date and Station	Phase (GCT)
	h m s
BMO EP	06 33 50.8
HHM EP	06 33 51.0
EPP	35 43.5
SLD EP	06 34 09.6
BOZ IP C	06 34 14.0
EUR EP D	06 34 23.0
IPCP	35 58.1
EPP	36 13.7
BCN EP C	06 34 46.1
EPCP	36 08.4
TUC EP	06 35 22.0
E	36 49.0
ALQ IP	06 35 28.6
AUG 1	
BMO E(P)	06 39 28.8
E	39 49.5
AUG 1	
H-07 42 00.4	
14.3N 092.8W	
h ABOUT 55KM	
ALQ EP	07 47 11.5
TUC EP	07 47 16.2
E	47 25.4
BCN E(P)	07 48 00.5
EUR IP	07 48 27.0
BOZ EP	07 48 50.5
BMO E(P)	07 49 04.9
E	49 13.1
HHM E(P)	07 49 14.5
COL EP	07 52 20.6
AUG 1	
COL EP	07 42 21.0
AUG 1	
EUR EP	09 26 06.1
AUG 1	
H-09 48 02.5	
1.2S 078.6W	
h ABOUT 61KM	
SJG EP	09 53 00.0
E	53 15.5
ALQ IP	09 56 09.6
I	10 00 52.0
TUC EP	09 56 14.2
BCN EP	09 56 53.2
EUR IP	09 57 15.5
SLD EP	09 57 29.5
I	10 01 56.0

Date and Station	Phase (GCT)
	h m s
BOZ IP	09 57 30.5
BMO EP	09 57 44.5
HHM EP	09 57 51.7
NEW IP	09 58 01.1
COL EP	10 00 19.0
AUG 1	
H-09 50 38.5	
17.8S 070.6W	
h ABOUT 114KM	
ALQ EP	10 00 52.0
TUC EP	10 00 54.5
BCN EP	10 01 27.7
EUR EP D	10 01 46.8
I	01 52.8
SLD IP	10 01 56.0
BOZ EP	10 01 59.5
HHM E(P)	10 02 04.0
EPCP	02 15.0
BMO EP	10 02 11.8
AUG 1	
H-11 50 16.0	
21.6N 142.9E	
h ABOUT 319KM	
GUA IP	11 52 14.0
COL IP	12 00 02.4
NEW IP	12 01 54.0
ALQ E(P)	12 01 59.0
BMO EP	12 02 00.5
E	03 11.1
SLD EP	12 02 01.0
HHM EP	12 02 04.0
EUR IP C	12 02 15.9
E	02 36.5
EPP	03 33.3
BOZ IP	12 02 18.0
BCN EP	12 02 26.8
TUC EP	12 02 48.4
ALQ EP	12 02 57.3
AUG 1	
SLD IP D	12 05 00.0
IS	05 22.2
AUG 1	
EUR E(P)	12 07 03.5
EL	08 12.5

Date and Station	Phase (GCT)
	h m s
AUG 1	
BCN E(P)	14 14 58.9
AUG 1	
BMO E(P)	14 20 28.0
AUG 1	
H-15 50 28.3	
51.4N 178.0W	
h ABOUT 68KM	
ADK IP	15 50 46.7
ES	51 06.2
COL EP	15 55 04.0
NEW IP	15 57 44.4
I	58 41.0
BMO EP	15 57 58.1
BOZ IP	15 58 22.6
EUR IP	15 58 29.8
BMO E(P)	15 58 54.6
BOZ I(P)	15 59 19.2
EUR E(P)	15 59 26.0
E	59 29.0
TUC E(P)	15 59 31.1
AUG 1	
H-15 51 16.0	
51.2N 178.9W	
h ABOUT 33KM	
ADK EP	15 51 43.4
ES	52 02.2
COL EP	15 56 00.5
AUG 1	
COL EP	16 23 20.0
AUG 1	
HHM E(P)	17 33 10.0
E	33 45.5
AUG 1	
ADK IP	17 40 54.6
IS	41 10.1
AUG 1	
BMO EP	18 06 47.8
AUG 1	
ALQ IP	18 20 45.4
I	21 21.0
AUG 1	
COL EP	18 27 55.0
AUG 1	
EUR EP	18 31 26.3
HHM E(P)	18 33 07.7
E	33 41.5

Date and Station	Phase (GCT)
	h m s
AUG 1	
H-19 09 54.6	
29.9N 068.7E	
h ABOUT 22KM	
COL EP C	19 22 10.5
IpP	22 19.3
E(PP)	25 21.0
ES	32 29.0
ADK E(P)	19 22 14.1
NEW EP	19 23 54.0
E(PP)	28 00.0
BOZ E(P)	19 24 02.0
E	27 04.5
EpP	28 20.0
HHM E(P)	19 24 02.5
E	27 05.0
E	28 03.0
BMO EP	19 24 06.2
EUR E	19 24 37.5
EP'	27 50.0
EPP	29 05.3
BMO EP'	19 28 27.5
E	28 35.8
ALQ EP'	19 28 38.0
TUC EP'	19 28 42.3
AUG 1	
EUR IP	19 15 07.7
AUG 1	
AUG 1	
COL EP	19 32 54.0
AUG 1	
COL IP	19 43 56.3
AUG 1	
COL EP	19 44 39.0
AUG 1	
H-19 45 17.6	
19.4S 174.4W	
h ABOUT 33KM	
TUC EP	19 57 24.0
E	57 40.0
EUR EP	19 57 25.8
E	57 40.5
BMO EP	19 57 38.1
ALQ IP	19 57 47.4
NEW EP	19 57 49.0
COL IP C	19 57 59.0
I	58 15.9
AUG 1	
ALQ IP	20 00 30.4

Date and Station	Phase (GCT)
	h m s
AUG 1	
H-20 24 21.7	
15.2S 173.0W	
h ABOUT 33KM	
BMO EP	20 36 19.6
E	36 38.6
COL EP	20 36 39.0
AUG 1	
H-20 30 55.2	
30.0N 068.5E	
h ABOUT 17KM	
COL EP C	20 43 11.4
I	44 49.1
E	46 09.0
EUR IP'	20 49 30.0
TUC EP'	20 49 43.9
E	49 57.5
ALQ EP'	20 49 45.1
AUG 1	
H-20 32 04.5	
45.0N 150.3E	
h ABOUT 38KM	
ADK EP	20 37 07.0
COL IP C	20 39 28.0
IpP	39 41.2
IsP	39 49.2
ES	45 26.0
EL	48 12.0
NEW EP	20 42 07.0
E	42 23.0
HHM IP	20 42 19.0
IsP	42 34.5
E	49 01.5
BMO EP	20 42 20.9
EsP	42 36.0
BUT EP	20 42 34.4
BOZ EP	20 42 39.0
IsP	42 56.0
EUR EP C	20 42 47.3
IsP	43 02.9
E	44 19.5
BCN EP	20 43 06.2
TUC E(P)	20 43 35.7
E	43 50.8
ALQ IP	20 43 41.6
I	43 55.0
CSC E(P)	20 45 08.0
AUG 1	
GUA E(P)	20 45 14.0
AUG 1	
NEW EP	20 48 52.0

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	20 49 21.5
AUG 1	
EUR E(P)	21 00 28.0
BMO E(P)	21 00 44.4
E	01 02.0
AUG 1	
H-21 02 59.5	
30.1N 068.6E	
h ABOUT 33KM	
GUA E(P)	21 14 27.0
ADK IP	21 15 10.6
COL IP C	21 15 12.3
I	15 15.3
I	15 30.7
IPP	18 35.5
ES	25 25.5
EPKKP	33 40.0
EL	35 47.0
EP'P'	41 55.8
ESKPP'	45 28.0
SIT IP	21 16 05.0
IS	26 45.0
HHM E(P)	21 16 44.0
E	21 03.5
NEW EP	21 16 55.0
E	21 05.0
BOZ E(P)	21 17 06.0
IP'	21 27.0
BMO EP	21 17 09.9
SLD EP'	21 21 15.0
EPP	21 39.2
E	25 40.0
EPKKP	32 41.0
ALQ EP'	21 21 25.5
EUR IP'	21 21 37.5
I	22 22.9
E	24 05.0
E	25 42.5
E	31 16.4
BCN EP'	21 21 42.7
EPP	22 38.3
E	32 25.0
TUC EP'	21 21 44.0
CSC EP'	21 22 00.0
BHP EP'	21 22 11.0
EPP	25 40.0
AUG 1	
ALQ IP	21 03 43.4
AUG 1	
ALQ E(P)	21 29 44.5
AUG 1	
ALQ E(P)	21 32 15.0

Date and Station	Phase (GCT)
	h m s
EUR I(P)	21 32 41.8
AUG 1	
H-21 35 40.5	
29.7N 069.2E	
h ABOUT 33KM	
COL EP	21 47 56.0
AUG 1	
COL EP	21 41 56.0
AUG 1	
H-22 30 53.2	
29.9N 068.8E	
h ABOUT 20KM	
COL IP	22 43 09.7
BOZ EP'	22 49 08.0
E	49 20.5
BMO EP'	22 49 17.2
AUG 1	
NEW EP	22 48 47.0
AUG 1	
BMO E(P)	23 03 18.4
E	03 29.7
AUG 1	
H-23 35 08.0	
55.9S 146.8E	
h ABOUT 35KM	
BMO EP'	23 54 11.8
AUG 2	
H-01 06 20.4	
19.8S 069.0W	
h ABOUT 157KM	
BMO E(P)	01 18 06.9
E	18 39.6
AUG 2	
SLD IP C	01 56 56.3
IS	57 01.3
AUG 2	
NEW EP	02 26 36.0
AUG 2	
H-02 34 27.6	
52.1N 156.9E	
h ABOUT 128KM	
COL IP	02 40 31.0
NEW EP	02 43 26.0
BMO EP	02 43 41.6
BOZ EP	02 44 00.0
EpP	44 30.0
EUR IP C	02 44 12.8
IpP	44 43.0
TUC EP	02 45 05.8
AUG 2	
BMO E(P)	03 43 26.6

Date and Station	Phase (GCT)
	h m s
AUG 2	
EUR E(P)	04 10 03.5
AUG 2	
BMO E(P)	04 59 04.9
AUG 2	
COL IP	05 13 22.4
AUG 2	
SLD IP	05 38 33.0
IS	38 40.0
AUG 2	
H-05 41 38.0	
30.1N 068.7E	
h ABOUT 33KM	
COL IP	05 53 52.8
EUR EP'	06 00 10.0
TUC EP'	06 00 24.0
AUG 2	
BOZ E(P)	05 59 56.0
E	06 00 04.0
AUG 2	
COL IP	06 18 42.9
AUG 2	
EUR IP	06 19 20.5
AUG 2	
EUR IP	07 19 30.3
AUG 2	
COL EP	08 14 44.0
AUG 2	
COL EP	08 23 09.0
AUG 2	
SLD IP	08 44 46.4
IS	44 56.3
AUG 2	
ADK EP	08 48 12.2
AUG 2	
SLD I(P)	08 48 46.7
IS	48 56.5
AUG 2	
H-09 18 57.6	
29.9N 069.2E	
h ABOUT 21KM	
COL IP	09 31 13.6
BMO EP'	09 37 25.5
AUG 2	
BOZ E(P)	09 36 18.0
E	37 23.5
NEW EP	09 37 04.0
AUG 2	
TUC EP	10 12 40.1
BOZ EP	10 14 40.0

Date and Station	Phase (GCT)
	h m s
AUG 2	
TUC E(P)	11 01 02.0
BMO EP	11 01 13.4
COL EP	11 01 33.0
BOZ E(P)	11 01 34.0
AUG 2	
COL EP	12 15 31.0
EUR EP	12 16 09.2
AUG 2	
ADK E(P)	12 57 51.0
E	58 41.0
COL EP	13 01 35.0
BMO E(P)	13 04 32.3
EUR IP	13 05 04.6
AUG 2	
ADK EP	12 58 41.0
AUG 2	
EUR EP	13 40 42.6
E	40 50.2
AUG 2	
H-13 54 38.2	
36.9N 107.2W	
h ABOUT 5KM	
ALQ IP	13 55 13.6
GCA EP	13 55 35.5
E	55 44.7
IL	55 32.7
AUG 2	
TUC E(P)	13 56 20.0
AUG 2	
COL IP	14 14 20.6
AUG 2	
BCN EP	14 15 29.5
AUG 2	
GUA EP	14 26 06.1
ES	26 30.2
AUG 2	
H-14 27 47.4	
09.4S 160.7E	
h ABOUT 88KM	
COL EP	14 40 06.0
EPCP	40 12.7
EUR IP	14 40 43.0
BCN E(P)	14 40 51.5
AUG 2	
GUA EP	15 26 33.8
ES	26 59.0
AUG 2	
BMO E(P)	15 38 49.1

Date and Station	Phase (GCT)
	h m s
AUG 2	
H-15 57 05.2	
36.4S 099.8W	
h ABOUT 33KM	
TUC E(P)	16 08 10.0
ALQ EP	16 08 23.0
E	08 33.5
EUR IP	16 08 56.9
BOZ EP	16 09 26.0
BMO E(P)	16 09 26.2
AUG 2	
BOZ EP	16 46 27.0
IL	46 37.5
AUG 2	
BOZ IP	17 16 39.5
IL	16 50.0
AUG 2	
EUR IP C	17 38 18.2
I	38 27.0
AUG 2	
ALQ E(P)	18 08 23.0
AUG 2	
BOZ IP	18 16 35.0
IL	16 44.0
AUG 2	
H-18 25 21.8	
13.9S 165.9E	
h ABOUT 40KM	
COL EP	18 37 59.0
BCN EP	18 38 17.6
EUR IP	18 38 18.2
E	38 27.0
BMO EP	18 38 20.7
E	38 29.6
NEW EP	18 38 26.0
AUG 2	
SLD EP	18 40 06.0
IS	40 10.7
AUG 2	
H-18 48 35.2	
36.7N 137.9E	
h ABOUT 7KM	
COL EP	18 57 38.0
NEW EP	19 00 03.0
HHM EP	19 00 12.0
BMO EP	19 00 13.1
E	00 26.1
BOZ EP	19 00 30.0
EUR IP	19 00 36.8

Date and Station	Phase (GCT)
	h m s
BCN EP	19 00 54.2
TUC E(P)	19 01 17.0
ALQ EP	19 01 22.4
AUG 2	
H-19 25 29.0	
18.5S 177.7W	
h ABOUT 537KM	
EUR E(P)	19 36 51.5
TUC E(P)	19 36 52.2
BMO E(P)	19 37 01.2
COL IP	19 37 13.2
AUG 2	
SJG EP	20 27 34.6
IS	27 55.4
AUG 2	
ALQ IP	20 35 30.0
AUG 2	
EUR IP	21 13 09.3
AUG 2	
EUR EP	21 23 31.4
AUG 2	
H-22 01 29.4	
20.7S 176.8W	
h ABOUT 406KM	
EUR EP	22 13 09.0
BMO E(P)	22 13 19.8
AUG 2	
ALQ IP	22 27 05.4
I	27 30.0
AUG 3	
SLD IP D	00 27 34.8
ES	27 53.5
EUR EP	00 28 38.5
AUG 3	
EUR E(P)	00 44 24.6
AUG 3	
EUR E(P)	01 27 46.8
EL	29 25.5
AUG 3	
COL EP	01 36 55.0
AUG 3	
SLD EP	01 43 21.0
EL	43 49.5
AUG 3	
BMO EP	01 44 16.1
EUR IP	01 44 24.6
AUG 3	
BMO E(P)	02 02 00.0

Date and Station	Phase	(GCT) h m s
AUG 3		
COL	IP	02 22 14.5
HHM	E(P)	02 26 40.1
BMO	EP	02 27 01.6
	E	27 26.9
AUG 3		
H-02 26 21.3		
39.4N 123.2W		
h ABOUT 19KM		
UKI	IP	02 26 28.6
SLD	E(P)	02 27 12.5
	E(L)	28 07.0
EUR	EP	02 27 46.8
BMO	E(P)	02 28 12.6
	E	28 32.7
AUG 3		
EUR	E(P)	02 32 26.1
AUG 3		
H-03 12 40.7		
52.5S 026.1E		
h ABOUT 33KM		
EUR	IP'	03 32 26.0
BMO	EP'	03 32 29.4
	E	32 39.6
BOZ	EP'	03 32 33.0
AUG 3		
H-04 25 44.2		
44.9N 150.2E		
h ABOUT 33KM		
COL	EP	04 33 08.0
NEW	EP	04 35 48.0
HHM	E(P)	04 36 02.9
BMO	E(P)	04 36 14.9
BOZ	EP	04 36 19.5
	E	36 33.5
EUR	IP	04 36 28.2
AUG 3		
EUR	E(P)	05 11 31.0
AUG 3		
BOZ	E(P)	05 25 25.0
	E	26 12.5
AUG 3		
GUA	EP	06 10 10.0
AUG 3		
EUR	EP	06 39 39.2
AUG 3		
ADK	EP	07 01 10.0
	E	01 36.5
AUG 3		
ADK	EP	07 29 03.0
AUG 3		
EUR	EP	08 43 01.0
	I	43 17.4
	ES	44 17.3
AUG 3		
SLD	EP	08 59 46.0
	IS	59 53.4
AUG 3		
COL	EP	09 05 21.0
AUG 3		
COL	EP	09 24 59.0
EUR	EP	09 30 18.7
	E	30 50.0
AUG 3		
H-09 41 38.9		
36.0N 120.5W		
h ABOUT 18KM		
SLD	IP	09 42 01.0
	IS	42 21.3
BCN	E(P)	09 43 00.8
	EL	44 18.2
EUR	EP	09 43 01.0
	E	43 17.8
	EL	44 17.1
AUG 3		
EUR	EP	10 13 22.7
AUG 3		
H-10 24 39.7		
17.6N 092.4W		
h ABOUT 33KM		
ALQ	EP	10 29 26.4
TUC	E(P)	10 29 35.0
EUR	EP	10 30 50.0
BOZ	E(P)	10 31 08.0
BMO	E(P)	10 31 24.0
AUG 3		
COL	E(P)	10 27 09.0
BMO	E(P)	10 29 53.2
EUR	EP	10 30 18.5
	E	30 50.0
AUG 3		
H-11 00 19.9		
26.0N 129.5E		
h ABOUT 33KM		
NEW	EP	11 12 53.0
HHM	E(P)	11 13 00.9
BMO	EP	11 13 02.6
	E	13 26.7
BOZ	EP	11 13 16.0
	E	13 31.6
AUG 3		
COL	EP	11 21 46.0
AUG 3		
EUR	EP	11 40 24.5
	E	40 39.3
	IL	41 48.1
AUG 3		
H-12 19 41.3		
15.7N 060.8W		
h ABOUT 24KM		
SJG	EP	12 21 06.5
	E(S)	22 06.1
ALQ	E(P)	12 28 05.9
BOZ	EP	12 28 50.0
BMO	E(P)	12 29 14.5
NEW	EP	12 29 20.0
AUG 3		
H-12 39 04.4		
35.7N 120.4W		
h ABOUT 19KM		
SLD	IP D	12 39 31.5
	IS	39 51.0
CED	E(P)	12 39 57.7
	IS	40 34.0
EUR	IP	12 40 24.5
	E	40 39.1
AUG 3		
BCN	E(P)	12 40 43.5
	E	41 42.5
AUG 3		
BCN	EP	14 14 48.0
AUG 3		
ADK	EP	15 09 57.2
BOZ	EP	15 14 17.5
AUG 3		
H-16 00 24.6		
55.1N 166.4E		
h ABOUT 33KM		
ADK	EP	16 02 56.8
COL	EP	16 05 39.1
NEW	EP	16 08 43.0
	I▸P	08 53.0
BMO	EP	16 09 00.6
	E▸P	09 09.8
HHM	E(P)	16 09 03.4
BOZ	EP	16 09 19.5
	I▸P	09 29.2
EUR	EP	16 09 34.1
	I▸P	09 43.8
	EPP	11 28.3
TUC	E(P)	16 10 31.2
BCN	E(P)	16 10 57.8
AUG 3		
BMO	EP	16 11 31.6
	E	11 42.3
AUG 3		
SLD	E(P)	16 50 35.5
	IL	50 57.0
AUG 3		
SLD	E(P)	18 04 03.5
	E(S)	04 22.5
AUG 3		
ALQ	IP	18 30 07.0
	IS	30 43.0
AUG 3		
BOZ	E(P)	18 33 47.0
	E	37 10.0
AUG 3		
H-18 55 39.2		
54.7N 162.7W		
h ABOUT 128KM		
ADK	IP	18 57 44.2
	I	58 30.0
COL	IP	18 58 35.0
BMO	E(P)	19 01 41.4
BOZ	EP	19 02 06.5
	EPCP	04 46.5
EUR	IP D	19 02 17.2
	I▸P	02 41.6
BCN	E(P)	19 02 42.8
AUG 3		
H-19 01 25.7		
31.3N 131.7E		
h ABOUT 33KM		
BMO	EP	19 13 41.9
	E▸P	13 52.5
AUG 3		
ALQ	EP	19 05 18.1
AUG 3		
HHM	E(P)	19 11 02.4
AUG 3		
BOZ	E(P)	19 12 14.5
AUG 3		
ALQ	IP	19 52 12.0
	IS	52 44.6
AUG 3		
BOZ	E(P)	19 56 20.0

Date and Station	Phase (GCT)
	h m s
AUG 3	
ALQ IP	20 41 20.5
I	41 56.5
AUG 3	
SJG IP	21 10 02.1
IS	10 53.0
AUG 3	
BCN E(P)	21 49 48.5
AUG 3	
ALQ IP	21 55 30.8
I	56 01.5
AUG 3	
H-22 13 25.8	
37.2N 071.3E	
h ABOUT 86KM	
COL EP	22 24 52.0
E▸P	25 21.7
AUG 3	
ALQ IP	22 44 58.5
IS	45 24.0
AUG 3	
BMO E(P)	23 13 02.7
AUG 4	
SLD IP C	00 54 49.7
IS	54 07.7
BMO EP	00 56 05.9
AUG 4	
EUR IP	00 56 09.9
AUG 4	
BOZ EP	01 03 17.0
BMO EP	01 03 41.4
NEW EP	01 03 47.0
AUG 4	
BMO E(P)	01 34 19.2
AUG 4	
BMO E(P)	02 07 29.5
AUG 4	
BMO E(P)	02 10 23.8
E	10 42.1
AUG 4	
BOZ EP	02 28 13.4
E	28 33.0
BMO EP	02 28 37.3
E	28 57.4
NEW EP	02 28 43.0
E	29 03.0
AUG 4	
ADK IP	02 29 17.0
IS	29 23.9
AUG 4	
BOZ EP	02 46 58.5
BMO E(P)	02 47 22.7

Date and Station	Phase (GCT)
	h m s
NEW EP	02 47 29.0
AUG 4	
BMO E(P)	03 14 19.2
E	15 06.5
BOZ E(P)	03 14 41.5
AUG 4	
BMO E(P)	03 22 59.5
AUG 4	
BMO E(P)	03 25 13.1
E	25 45.0
AUG 4	
H-03 26 00.5	
01.6S 106.0W	
h ABOUT 33KM	
BCN EP	03 33 20.6
EUR IP	03 33 51.0
BOZ EP	03 34 32.0
BMO EP	03 34 32.5
E▸P	34 42.0
HHM E(P)	03 34 52.1
NEW EP	03 34 57.0
AUG 4	
BOZ E(P)	03 45 32.0
BMO E(P)	03 45 55.9
ADK EP	03 46 24.0
AUG 4	
BOZ EP	03 48 06.5
BMO EP	03 48 30.8
NEW EP	03 48 37.0
AUG 4	
BOZ E(P)	03 53 15.0
BMO EP	03 53 38.7
NEW EP	03 53 45.0
AUG 4	
BOZ EP	04 03 14.5
BMO EP	04 03 39.1
AUG 4	
BMO EP	04 05 10.4
AUG 4	
BMO EP	04 09 15.5
NEW EP	04 09 22.0
SLD IP	04 11 10.5
AUG 4	
BOZ E(P)	04 18 34.5
BMO E(P)	04 18 58.5

Date and Station	Phase (GCT)
	h m s
AUG 4	
ADK IP	04 39 57.0
IS	40 26.1
AUG 4	
BOZ EP	04 43 30.5
BMO E(P)	04 43 54.5
NEW EP	04 44 02.0
SLD EP	04 45 38.5
AUG 4	
BOZ EP	04 52 17.5
AUG 4	
BOZ EP	04 56 55.5
E	58 19.5
BMO E(P)	04 57 20.4
EUR EP	04 57 47.5
AUG 4	
BMO E(P)	04 58 37.6
AUG 4	
BOZ EP	05 14 02.0
BMO EP	05 14 25.8
NEW EP	05 14 32.0
AUG 4	
ADK EP	05 27 19.8
E	28 13.0
AUG 4	
BOZ EP	05 36 48.9
AUG 4	
H-05 42 22.1	
07.2S 120.4E	
h ABOUT 548KM	
NEW EP'	06 00 06.0
BMO EP'	06 00 06.8
HHM EP'	06 00 08.1
EUR IP'	06 00 13.0
BOZ EP'	06 00 14.9
BCN EP'	06 00 17.0
TUC EP'	06 00 24.2
AUG 4	
EUR E(P)	05 47 47.0
AUG 4	
BMO E(P)	05 54 12.0
COL EP	05 54 31.0
AUG 4	
SLD IP C	05 54 52.7
IS	54 59.9

Date and Station	Phase (GCT)
	h m s
AUG 4	
SLD IP	05 55 56.4
IS	56 04.0
AUG 4	
TUC E(P)	06 02 49.0
E	03 09.0
BMO E(P)	06 02 50.0
ALQ E(P)	06 03 00.5
AUG 4	
EUR E(P)	06 10 19.6
AUG 4	
BOZ EP	06 13 28.0
AUG 4	
BOZ E(P)	06 48 00.0
BMO E(P)	06 48 32.0
NEW EP	06 48 39.0
AUG 4	
SLD IP	07 01 10.0
IS	01 16.9
AUG 4	
BOZ EP	07 15 17.5
BMO EP	07 15 41.7
AUG 4	
ADK EP	07 43 58.0
ES	44 32.6
AUG 4	
BOZ EP	07 55 42.0
BMO E(P)	07 56 06.3
AUG 4	
ADK IP	08 04 10.3
AUG 4	
BOZ EP	08 14 33.0
BMO EP	08 14 57.0
AUG 4	
COL EP	08 20 02.0
AUG 4	
ADK EP	08 35 59.9
E	36 24.0
AUG 4	
CED IP	08 39 18.9
ES	39 38.1
EUR E(P)	08 40 05.3
AUG 4	
BOZ EP	08 47 39.7
BMO E(P)	08 48 04.1
AUG 4	
ALQ EP	10 19 14.6
BOZ EP	10 20 10.0

Date and Station	Phase	(GCT)
		h m s
BMO	E(P)	10 20 33.7
NEW	EP	10 20 40.0
AUG 4		
COL	EP	11 06 33.0
AUG 4		
BMO	E(P)	11 21 34.0
	E	21 48.0
NEW	EP	11 21 54.0
AUG 4		
BMO	E(P)	11 21 34.0
	E	38 27.2
AUG 4		
BOZ	E(P)	11 32 26.5
AUG 4		
H-11 56 28.1		
18.2S 178.0W		
h ABOUT 571KM		
EUR	EP	12 07 47.7
AUG 4		
COL	E(P)	11 56 37.0
AUG 4		
COL	EP	12 09 19.0
AUG 4		
H-12 33 50.9		
36.8N 138.1E		
h ABOUT 33KM		
BMO	EP	12 45 24.5
BOZ	EP	12 45 41.0
EUR	IP	12 45 47.8
AUG 4		
SLD	IP D	12 56 43.6
	IS	56 47.0
AUG 4		
GUA	EP	14 32 34.0
AUG 4		
H-15 25 37.6		
17.7S 174.9W		
h ABOUT 210KM		
ADK	E(P)	15 35 23.4
BCN	EP	15 37 14.6
EUR	EP	15 37 20.2
	E(pP)	38 17.3
BOZ	EP	15 37 47.0
	IPCP	37 52.0
	IpP	38 20.8
COL	IP	15 37 49.6
AUG 4		
BHP	EP	15 30 38.0
	ES	31 45.0

Date and Station	Phase	(GCT)
		h m s
ALQ	EP	15 37 05.6
	I	37 43.4
AUG 4		
GUA	EP	15 32 26.0
AUG 4		
BMO	E(P)	15 46 59.3
AUG 4		
ADK	EP	16 27 52.0
AUG 4		
SLD	IP D	17 33 34.5
	IS	33 38.6
AUG 4		
BMO	E(P)	19 10 56.0
	E	11 09.3
	E	11 49.2
AUG 4		
ALQ	IP	19 36 06.8
	I	36 45.8
AUG 4		
SLD	IP C	19 58 14.5
	IS	58 19.5
AUG 4		
BOZ	EP	20 31 31.5
	E	32 28.0
AUG 4		
H-20 37 33.5		
51.2N 179.1E		
h ABOUT 53KM		
ADK	IP	20 38 16.5
	IS	38 51.7
COL	EP	20 42 24.0
BMO	EP	20 45 19.5
	E	45 30.9
EUR	IP	20 45 50.8
AUG 4		
ADK	EP	21 03 39.8
AUG 4		
ADK	EP	21 38 26.7
AUG 4		
COL	EP	21 54 09.0
ADK	IP	21 57 42.0
AUG 4		
ALQ	IP	22 02 52.2
	I	03 24.4
AUG 4		
H-22 29 25.2		
29.9N 068.6E		
h ABOUT 33KM		
COL	EP	22 41 40.0
AUG 4		
SLD	IP C	22 41 40.0
	I(S)	41 46.1

Date and Station	Phase	(GCT)
		h m s
AUG 4		
SLD	IP D	22 42 36.5
	IS	42 43.0
AUG 4		
H-23 39 08.8		
07.6N 082.8W		
h ABOUT 33KM		
BHP	IP D	23 40 02.0
SJG	EP	23 43 34.7
BMO	EP	23 47 44.0
AUG 5		
BHP	EP C	00 01 41.0
	ES	02 22.0
AUG 5		
H-00 50 08.2		
21.6S 068.4W		
h ABOUT 135KM		
ALQ	IP	01 00 47.0
	IpP	01 18.5
TUC	EP	01 00 49.5
	EpP	01 20.5
EUR	IP	01 01 38.0
BMO	EP	01 02 03.0
	EpP	02 35.5
AUG 5		
BHP	EP C	01 01 41.0
	ES	02 21.5
AUG 5		
BOZ	EP	01 02 23.5
AUG 5		
BHP	EP	01 01 41.0
	ES	02 21.5
AUG 5		
H-01 03 02.4		
32.7N 079.5E		
h ABOUT 36KM		
COL	EP	01 14 46.0
	I	14 49.3
	E	15 25.7
	EPP	17 38.1
AUG 5		
BHP	IP	01 22 20.5
	IS	23 01.0
AUG 5		
BHP	IP D	01 05 01.0
AUG 5		
BHP	EP C	01 09 33.5
AUG 5		
BMO	E(P)	01 12 43.2
	E	13 04.1
AUG 5		
BHP	IP D	01 19 04.0
	IS	19 45.0

Date and Station	Phase	(GCT)
		h m s
AUG 5		
BMO	E(P)	01 20 37.2
	E	20 53.0
AUG 5		
ADK	EP	02 28 20.1
	IS	29 03.6
AUG 5		
H-03 57 57.8		
49.9N 078.0E		
h ABOUT 0KM		
COL	IP	04 08 08.6
ADK	IP	04 08 10.7
NEW	IP	04 10 17.7
HHM	EP	04 10 18.6
BOZ	IP	04 10 34.2
	E	13 10.5
BMO	IP	04 10 34.3
EUR	IP	04 11 02.2
BCN	EP	04 11 19.0
ALQ	IP	04 11 27.0
AUG 5		
H-04 26 02.8		
44.6N 141.1E		
h ABOUT 238KM		
ADK	IP	04 31 38.5
COL	IP C	04 33 38.9
	EpP	34 30.7
NEW	EP	04 36 18.0
	I	36 24.0
	EpP	37 15.0
HHM	EP	04 36 28.6
	EpP	37 24.3
BMO	EP	04 36 32.5
	E	36 38.0
BOZ	EP	04 36 48.0
	IpP	37 45.5
EUR	IP	04 36 59.2
ALQ	IP	04 37 49.0
	IpP	38 45.5
BCN	E(P)	04 38 13.5
AUG 5		
H-04 33 02.6		
11.1S 162.6E		
h ABOUT 52KM		
GUA	IP	04 39 08.0
ADK	IP	04 43 40.6
COL	IP C	04 45 29.3
	EPCP	45 43.4

Date and Station	Phase (GCT)
	h m s
BCN IP	04 46 00.7
EUR IP C	04 46 00.8
E	00 47 51.0
EPP	49 31.2
EPKKP	05 03 28.0
E	04 11.5
BMO EP	04 46 02.1
E	46 08.5
NEW IP	04 46 06.4
TUC EP	04 46 12.0
SLC EP	04 46 16.1
HHM EP	04 46 16.1
BOZ IP	04 46 21.8
I	46 29.0
E	57 00.0
EPKKP	05 03 19.0
ALQ EP	04 46 30.8
E	46 50.0
EPKKP	05 03 10.5
SJG EP'	04 52 12.8
I	55 41.0
AUG 5	
COL EP	05 02 16.7
AUG 5	
EUR EP	05 56 15.5
AUG 5	
H-07 02 48.9	
11.1S 162.9E	
h ABOUT 33KM	
COL E(P)	07 15 17.8
EUR IP	07 15 48.5
AUG 5	
H-08 10 59.9	
11.1N 139.6E	
h ABOUT 15KM	
GUA EP	08 12 26.0
ES	13 30.0
BMO E(P)	08 24 07.3
EUR EP	08 24 19.0
BOZ E(P)	08 24 22.0
E	24 31.0
AUG 5	
EUR EP	08 12 30.2
BMO E(P)	08 12 40.5
BOZ E(P)	08 13 00.0
AUG 5	
BMO E(P)	09 10 26.8
AUG 5	
COL EP	09 31 46.5

Date and Station	Phase (GCT)
	h m s
AUG 5	
BMO E(P)	10 13 19.4
AUG 5	
H-11 21 18.2	
29.0S 068.5W	
h ABOUT 92KM	
ALQ IP	11 32 39.6
EUR IP	11 33 25.5
BOZ EP	11 33 39.5
BMO E(P)	11 33 48.7
AUG 5	
BMO E(P)	12 19 31.1
AUG 5	
H-13 20 57.4	
16.6N 098.2W	
h ABOUT 82KM	
TUC E(P)	13 25 19.0
ALQ IP	13 25 22.0
EUR EP	13 26 40.0
BOZ E(P)	13 27 06.5
E	27 22.0
BMO EP	13 27 21.6
E	27 31.9
AUG 5	
EUR IP	14 36 14.2
AUG 5	
H-15 38 12.2	
5.4S 153.8E	
h ABOUT 84KM	
ADK IP	15 48 29.0
COL EP	15 50 23.9
E	50 41.2
EUR E(P)	15 51 21.4
AUG 5	
BCN EP	16 42 54.6
AUG 5	
ADK EP	16 55 43.1
IS	56 18.1
AUG 5	
ALQ IP	17 22 34.5
AUG 5	
H-17 47 42.0	
42.0N 018.7E	
h ABOUT 37KM	
BMO EP	18 00 16.3
AUG 5	
EUR IP	17 56 13.1
AUG 5	
BOZ EP	18 19 00.0
IL	19 09.0

Date and Station	Phase (GCT)
	h m s
HHM E(P)	18 19 32.1
E	20 06.1
AUG 5	
NEW EP	18 27 45.0
BMO IP	18 27 56.1
BOZ EP	18 28 12.5
EUR E(P)	18 28 16.0
COL EP	18 29 42.0
AUG 5	
ALQ IP	19 11 16.5
I	11 29.5
AUG 5	
BCN E(P)	19 31 29.4
AUG 5	
H-19 56 39.1	
11.1S 162.8E	
h ABOUT 35KM	
COL IP	20 09 09.2
BMO E(P)	20 09 38.8
EUR IP	20 09 39.9
AUG 5	
H-20 00 05.0	
28.6N 139.6E	
h ABOUT 438KM	
NEW EP	20 11 14.0
HHM EP	20 11 23.1
E	13 00.1
BMO IP	20 11 23.2
E	11 48.2
BOZ IP	20 11 39.8
EUR IP	20 11 41.2
ALQ IP	20 12 23.4
IPP	16 10.5
AUG 5	
H-20 09 08.9	
06.2N 082.5W	
h ABOUT 39KM	
BHP IP D	20 10 09.0
IS	10 57.0
SJG EP	20 13 41.5
TUC EP	20 16 16.8
BCN EP	20 16 58.3
EUR E(P)	20 17 20.5
BOZ IP	20 17 36.0
E	19 29.5
BMO EP	20 17 52.1
HHM EP	20 18 01.4

Date and Station	Phase (GCT)
	h m s
AUG 5	
ADK IP	21 17 19.3
IS	17 43.0
AUG 5	
ALQ IP	22 12 24.0
IS	12 58.5
AUG 5	
BCN EP	22 30 06.8
AUG 5	
BCN EP	22 33 32.5
AUG 5	
EUR IP	23 59 48.6
AUG 6	
EUR E(P)	00 10 46.3
AUG 6	
COL IP	01 25 24.4
BMO E(P)	01 29 38.1
ALQ IP	01 30 25.6
I	30 47.2
AUG 6	
COL EP	01 25 24.4
EL	26 19.0
AUG 6	
H-02 31 07.1	
42.2N 018.8E	
h ABOUT 33KM	
COL IP	02 42 34.2
HHM EP	02 43 19.2
NEW EP	02 43 25.0
BMO EP	02 43 39.9
ALQ EP	02 43 58.5
EUR IP	02 44 01.2
BCN EP	02 44 13.3
TUC EP	02 44 18.0
AUG 6	
BOZ IP	02 43 48.0
E	46 35.5
AUG 6	
SLD IP	03 08 17.7
IS	08 19.5
AUG 6	
COL EP	03 24 22.0
AUG 6	
ADK IP	04 39 17.2
IS	39 34.1
BOZ EP	04 46 54.5
EUR EP	04 47 01.8
AUG 6	
COL EP	04 52 21.0

Date and Station	Phase	(GCT) h m s
AUG 6		
H-05 10 11.6		
72.6N 001.6W		
h ABOUT 33KM		
BMO	E(P)	05 19 38.0
ALQ	EP	05 20 26.0
AUG 6		
COL	EP	05 24 30.0
AUG 6		
BMO	E(P)	05 36 08.2
H-05 51 59.0		
42.2N 018.8E		
h ABOUT 33KM		
COL	EP	06 03 25.5
HHM	E(P)	06 04 17.5
NEW	EP	06 04 18.0
BOZ	EP	06 04 19.5
BMO	EP	06 04 32.2
AUG 6		
BMO	EP	05 54 38.4
EUR	IP	05 55 10.6
AUG 6		
EUR	EP	06 02 10.8
	E	02 29.7
AUG 6		
H-06 08 49.8		
51.5N 179.1E		
h ABOUT 33KM		
ADK	IP	06 09 31.8
	IS	10 07.0
COL	EP	06 13 39.0
BMO	EP	06 16 35.4
	EpP	16 46.6
EUR	EP	06 17 06.9
AUG 6		
ADK	EP	06 19 55.4
	IS	20 30.3
BOZ	E(P)	06 26 04.0
	E	27 55.0
AUG 6		
ADK	IP	06 59 03.4
	IS	59 38.0
COL	EP	07 03 11.0
EUR	EP	07 06 39.1
AUG 6		
GCA	EP	07 21 08.1
	IS	21 28.9
	IL	21 30.5
AUG 6		
H-07 26 37.5		
51.4N 179.2E		
h ABOUT 49KM		
ADK	IP	07 27 18.3
	IS	27 53.2
COL	EP	07 31 26.0
NEW	EP	07 34 09.0
	EpP	34 21.0
BMO	EP	07 34 21.6
	EpP	34 35.6
BOZ	EP	07 34 45.0
EUR	IP	07 34 53.8
AUG 6		
H-07 29 58.8		
51.1N 178.8E		
h ABOUT 33KM		
ADK	IP	07 30 45.3
	IS	31 20.0
COL	EP	07 34 53.0
BMO	E(P)	07 37 48.5
	E	38 00.0
EUR	IP	07 38 20.2
AUG 6		
H-08 04 10.1		
45.4N 150.1E		
h ABOUT 53KM		
COL	EP	08 11 29.4
	IpP	11 42.4
NEW	EP	08 14 10.0
	EpP	14 24.0
HHM	EP	08 14 21.7
BMO	EP	08 14 23.7
	EpP	14 39.0
BOZ	IP	08 14 42.5
EUR	EP	08 14 51.0
	EpP	15 06.1
BCN	E(P)	08 15 24.1
ALQ	EP	08 15 44.2
AUG 6		
H-08 21 26.5		
31.6N 139.6E		
h ABOUT 169KM		
COL	IP	08 30 38.1
NEW	IP	08 32 51.1
	EpP	33 28.0
BMO	EP	08 33 00.9
	EpP	33 37.8
HHM	EP	08 33 01.7
BOZ	EP	08 33 17.5
	E	33 48.0
EUR	IP	08 33 21.0
BCN	EP	08 33 33.9
ALQ	EP	08 34 05.6
AUG 6		
COL	EP	09 43 03.0
AUG 6		
ADK	IP	09 43 58.0
	IS	44 43.0
AUG 6		
H-11 24 13.8		
23.5S 179.7W		
h ABOUT 504KM		
EUR	EP	11 36 02.5
TUC	EP	11 36 02.6
BMO	E(P)	11 36 12.1
ALQ	EP	11 36 22.2
AUG 6		
ADK	EP	12 07 43.2
AUG 6		
BOZ	EP	13 19 32.0
AUG 6		
BMO	E(P)	13 55 56.0
AUG 6		
H-14 38 43.7		
07.4S 074.7W		
h ABOUT 156KM		
ALQ	IP	14 47 36.8
	IpP	48 10.2
TUC	EP	14 47 41.2
	EPCP	48 50.0
EUR	IP D	14 48 37.2
	I	49 20.0
BOZ	IP	14 48 51.0
	EpP	49 25.0
BMO	EP	14 49 05.3
	E	49 28.9
HHM	EP	14 49 11.7
NEW	IP	14 49 19.6
	IpP	49 54.0
COL	IP D	14 51 24.3
	EpP	52 02.3
AUG 6		
H-15 48 55.1		
62.4N 151.4W		
h ABOUT 51KM		
COL	IP	15 49 41.2
	IL	50 08.5
NEW	EP	15 54 02.0
BMO	EP	15 54 27.0
	E	54 49.8
EUR	EP	15 55 12.5
AUG 6		
BOZ	E(P)	16 16 21.0
AUG 6		
H-17 58 51.2		
24.8N 123.5E		
h ABOUT 126KM		
	EpP	12 01.0
HHM	EP	18 11 42.7
	EpP	12 09.7
	E	12 12.2
BMO	EP	18 11 43.9
	EpP	12 12.7
EUR	EP	18 12 02.9
AUG 6		
H-18 31 06.6		
73.2N 006.4E		
h ABOUT 33KM		
BMO	E(P)	18 40 44.5
AUG 6		
H-18 32 32.3		
38.1N 022.1E		
h ABOUT 36KM		
BMO	E(P)	18 45 28.8
	E	45 33.9
AUG 6		
EUR	EP	18 43 59.0
	E	44 17.0
AUG 6		
H-19 33 21.1		
44.8N 150.3E		
h ABOUT 30KM		
COL	EP	19 40 46.0
NEW	EP	19 43 26.0
	E	43 40.0
HHM	EP	19 43 37.2
BMO	E(P)	19 43 39.6
	E	43 53.3
BOZ	EP	19 43 57.5
	I	44 12.0
EUR	EP	19 44 06.6
	I	44 20.3
ALQ	E(P)	19 46 04.3
AUG 6		
H-20 12 32.5		
73.1N 006.1E		
h ABOUT 33KM		

Date and Station	Phase (GCT) h m s
BMO EP	20 22 09.1
EpP	22 20.7
AUG 6	
H-20 19 30.0	
44.8N 150.2E	
h ABOUT 39KM	
COL EP	20 26 54.0
BMO E(P)	20 29 46.8
BOZ EP	20 30 06.2
EpP	30 20.2
EUR EP	20 30 13.8
EpP	30 26.8
AUG 6	
ALQ IP	20 38 45.5
AUG 6	
ADK EP	20 39 50.8
COL EP	20 42 22.7
AUG 6	
NEW EP	20 42 39.0
AUG 6	
H-21 04 33.1	
52.0N 175.3E	
h ABOUT 33KM	
ADK IP	21 05 47.9
IS	06 51.2
COL EP	21 09 34.8
NEW IP	21 12 22.6
IPCP	14 18.0
HHM EP	21 12 37.2
E	14 24.2
BMO EP	21 12 37.2
E	13 05.0
SLD EP	21 12 57.0
E	14 32.0
BOZ I(P)	21 12 59.8
E	14 39.5
EUR IP C	21 13 09.1
I	14 38.2
EPP	16 26.0
TUC EP	21 14 07.8
ALQ IP	21 14 13.5
IPCP	15 10.6
AUG 6	
SLD IP C	21 05 19.5
IS	05 36.7
EUR E(P)	21 06 12.9
E	06 27.5
EL	07 36.7
AUG 6	
BMO EP	21 14 23.5

Date and Station	Phase (GCT) h m s
AUG 6	
HHM E(P)	22 51 08.0
AUG 6	
ALQ IP	23 02 34.5
I	02 58.6
AUG 6	
EUR EP	23 24 47.3
AUG 6	
SLD IP D	23 34 55.7
IS	35 01.8
AUG 7	
CED EP	00 24 27.3
IS	24 52.3
BCN EP	00 24 56.9
SLD E(P)	00 25 09.0
EL	26 03.0
TUC E(P)	00 25 22.0
EUR EP	00 25 37.0
E	26 05.0
EL	27 33.4
AUG 7	
BMO E(P)	01 05 15.0
AUG 7	
TUC E(P)	01 32 44.0
AUG 7	
H-01 36 56.1	
18.4S 178.0W	
h ABOUT 530KM	
GUA IP	01 44 51.0
AUG 7	
H-02 13 04.7	
50.6N 171.2W	
h ABOUT 33KM	
ADK IP	02 13 58.0
E	14 30.0
COL IP	02 17 21.0
ES	20 48.0
SIT IP	02 17 58.0
HON EP	02 19 22.0
E(S)	24 23.0
NEW IP	02 19 52.0
UKI EP	02 20 00.5
BMO EP	02 20 04.8
HHM IP	02 20 08.0
EPCP	22 30.7
ES	25 53.2
EL	28 47.2
SLD IP D	02 20 20.5
ES	26 03.0
ESCS	30 30.0

Date and Station	Phase (GCT) h m s
BUT EP	02 20 24.0
ES	26 18.0
ESCS	30 34.0
BOZ IP	02 20 31.5
ES	26 32.0
EUR IP D	02 20 36.0
IS	26 37.9
SLC IP	02 20 51.2
IpP	21 02.2
ES	27 16.7
CED IP D	02 20 55.3
I	21 02.0
BCN IP D	02 20 58.9
IPCP	22 54.2
ES	27 18.1
GCA EP D	02 21 10.5
I	21 18.0
EPCP	22 56.3
TUC IP	02 21 38.0
EPP	23 26.0
ES	28 30.0
ALQ IP	02 21 46.5
GUA EP	02 22 03.0
I	22 08.5
E	28 57.0
CHK EP	02 22 39.0
ES	30 20.6
EL	39 33.0
BHP IP	02 25 33.0
IS	35 57.0
SJG IP D	02 25 39.5
EPP	28 56.5
IS	36 10.5
EsS	36 35.5
ISP	37 05.5
AUG 7	
COL EP	02 23 04.0
E	27 08.0
AUG 7	
SLD EP	02 26 58.0
EUR I(P)	02 27 05.5
AUG 7	
NEW EP	02 46 48.0
AUG 7	
EUR IP C	02 50 18.3
AUG 7	
H-03 07 13.0	
10.7S 161.2E	
h ABOUT 22KM	
GUA E(P)	03 13 24.0
ADK E(P)	03 17 53.0
COL IP	03 19 43.2

Date and Station	Phase (GCT) h m s
SLD EP	03 19 57.5
BMO EP	03 20 19.3
NEW IP	03 20 22.6
TUC E(P)	03 20 30.5
HHM EP	03 20 31.2
BOZ EP	03 20 38.8
ALQ E(P)	03 20 47.0
AUG 7	
BCN EP	03 30 17.8
E	30 22.6
AUG 7	
H-04 11 30.4	
11.0N 086.2W	
h ABOUT 125KM	
SJG EP	04 16 01.5
ALQ E(P)	04 17 28.0
BMO E(P)	04 19 18.1
AUG 7	
H-05 14 32.5	
5.9N 82.5W	
h ABOUT 33KM	
BHP EP C	05 15 38.0
ES	16 34.0
SJG EP	05 19 05.5
ALQ EP	05 21 37.2
BOZ EP	05 23 02.0
AUG 7	
H-05 33 40.6	
13.4N 89.9W	
h ABOUT 74KM	
ALQ EP	05 39 10.5
EPCP	42 35.8
TUC E(P)	05 39 16.0
EUR IP	05 40 26.1
BMO E(P)	05 41 01.0
EpP	41 16.8
COL EP	05 44 10.7
AUG 7	
EUR E(P)	05 43 00.0
BMO E(P)	05 43 10.8
NEW IP	05 43 18.3
AUG 7	
BOZ IP	05 45 45.9
AUG 7	
TUC E(P)	05 54 05.5

Date and Station	Phase	(GCT) h m s
AUG 7		
COL	EP	06 28 54.9
EUR	IP	06 29 31.1
AUG 7		
EUR	IP	07 04 44.0
AUG 7		
H-08 20 58.2		
6.9N 073.1W		
h ABOUT 140KM		
BHP	IP	08 22 35.0
	ES	23 48.0
SJG	EP	08 23 58.5
	IS	26 13.6
ALQ	EP	08 28 34.0
	E	28 39.0
TUC	EP	08 28 47.5
BOZ	IP	08 29 47.5
BMO	E(P)	08 30 07.4
NEW	EP	08 30 20.0
AUG 7		
TUC	E(P)	08 33 44.5
AUG 7		
EUR	IP	09 29 42.8
AUG 7		
COL	EP	10 14 15.3
EUR	IP	10 14 47.0
AUG 7		
H-10 28 28.3		
42.3N 085.1E		
h ABOUT 27KM		
COL	E(P)	10 39 10.0
NEW	EP	10 41 16.0
AUG 7		
COL	E(P)	12 03 23.0
AUG 7		
GUA	EP	12 09 06.0
	ES	09 26.0
AUG 7		
BMO	E(P)	12 21 28.0
AUG 7		
H-13 42 07.8		
24.0S 179.9W		
h ABOUT 536KM		
GUA	EP	13 50 17.0
BCN	E(P)	13 53 49.6
TUC	EP	13 53 55.0
EUR	IP	13 53 56.2
BMO	EP	13 54 06.6
ALQ	EP D	13 54 15.4
	EpP	56 15.5
COL	EP	13 54 17.0
BOZ	EP	13 54 24.6
	EpP	56 23.5
AUG 7		
COL	EP	14 05 53.1
AUG 7		
H-14 11 54.9		
59.6N 144.6W		
h ABOUT 33KM		
SIT	EP	14 13 13.0
COL	EP C	14 13 15.5
	I	13 25.4
	IS	14 37.0
	IL	14 51.0
NEW	EP	14 16 22.0
ADK	EP	14 16 22.6
HHM	EP	14 16 36.7
	ES	26 40.2
BMO	EP	14 16 48.4
	E	16 54.7
BUT	EP	14 17 02.0
BOZ	IP D	14 17 09.3
	E	17 29.5
	ES	21 26.0
	EL	23 40.0
	E	43 13.0
EUR	EP D	14 17 35.9
	E	20 59.1
	EL	24 36.6
SLD	EP	14 17 36.5
BCN	E(P)	14 18 06.5
ALQ	IP	14 18 45.4
TUC	E(P)	14 18 49.0
AUG 7		
H-14 30 46.9		
36.5N 022.2E		
h ABOUT 54KM		
HHM	EP	14 43 28.2
COL	E(P)	14 43 45.5
BMO	E(P)	14 43 48.0
AUG 7		
BOZ	EP	15 05 07.5
AUG 7		
H-15 07 37.0		
17.4S 173.5W		
h ABOUT 33KM		
TUC	E(P)	15 19 32.5
BMO	EP	15 19 47.1
	E	20 02.6
COL	EP	15 20 09.0
AUG 7		
COL	E(P)	15 26 14.0
AUG 7		
H-17 03 17.7		
35.5N 120.7W		
h ABOUT 2KM		
SLD	IP C	17 03 47.8
	IS	04 03.8
CED	E(P)	17 04 20.3
EUR	EP	17 04 43.0
	I	05 03.8
	ES	06 04.5
BCN	E(P)	17 04 44.6
AUG 7		
ADK	EP	17 15 10.2
AUG 7		
H-17 36 27.3		
31.7N 114.5W		
h ABOUT 33KM		
TUC	IP C	17 37 12.0
CED	EP D	17 37 18.8
BCN	IP D	17 37 29.7
GCA	IP D	17 37 51.6
	IL	39 30.6
ALQ	E(P)	17 38 14.0
	E(S)	40 05.0
SLD	EP	17 38 18.0
	EL	40 40.0
EUR	IP	17 38 20.7
SLC	IP	17 38 42.8
	I	38 50.3
	EL	41 03.6
UKI	E(P)	17 38 59.0
	EL	41 40.0
BMO	EP	17 39 37.0
BOZ	EP	17 39 48.5
	ES	42 44.0
	IL	44 00.0
BUT	EP	17 39 51.5
	ES	43 04.0
	EL	45 34.0
NEW	EP	17 40 19.0
HHM	IP	17 40 19.7
CHK	EP	17 41 40.1
	ES	46 03.7
	IL	48 58.5
SIT	E(P)	17 42 28.5
	EL	47 28.0
COL	EP D	17 43 53.2
	I	43 56.2
	IPP	45 30.4
	IS	50 00.0
	EL	53 05.0
BHP	IP C	17 43 55.5
	IS	50 08.0
HON	EP	17 44 03.8
	ES	50 17.8
SJG	EP C	17 44 43.5
	EPP	46 36.0
	E	51 29.5
	ESS	54 56.0
ADK	EP	17 45 10.5
GUA	E(P)	17 49 19.0
	E(S)	18 00 12.0
AUG 7		
TUC	E(P)	18 45 13.5
AUG 7		
COL	EP	19 20 56.0
AUG 7		
ADK	IP	19 23 13.0
	ES	23 54.3
AUG 7		
TUC	E(P)	19 41 34.5
AUG 7		
ADK	E(P)	19 48 52.3
AUG 7		
TUC	E(P)	19 45 09.0
AUG 7		
TUC	E(P)	19 57 02.0
AUG 7		
H-20 18 41.2		
42.4N 143.0E		
h ABOUT 62KM		
COL	IP	20 26 43.7
NEW	IP	20 29 19.7
HHM	EP	20 29 30.2
BMO	EP	20 29 32.7
	E	29 54.5
BUT	EP	20 29 43.7
	E	29 58.7
SLD	EP	20 29 47.5
BOZ	IP	20 29 49.5

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EUR IP	20 29 58.4
E	31 21.7
E	33 48.3
TUC E(P)	20 30 42.6
AUG 7	
H-20 22 26.2	
17.5S 072.2W	
h ABOUT 45KM	
BMO E(P)	20 34 00.0
E	34 13.0
AUG 7	
TUC E(P)	20 26 49.5
BCN EP	20 27 03.3
I	30 16.4
EUR IP	20 28 07.8
AUG 7	
ALQ EP	20 28 17.5
I	30 47.6
AUG 7	
TUC E(P)	22 01 04.7
AUG 7	
GUA IP	22 09 46.0
IS	09 54.0
AUG 7	
BMO E(P)	22 22 11.0
E	22 22.0
AUG 7	
COL IP	22 32 33.1
NEW EP	22 35 41.0
BMO EP	22 36 07.2
AUG 7	
BOZ EP	22 48 00.0
E	48 32.0
AUG 7	
EUR E(P)	22 54 45.7
E	59 08.5
AUG 7	
H-23 45 33.0	
19.3S 168.5E	
h ABOUT 32KM	
TUC E(P)	23 58 42.5
AUG 7	
SLD EP	23 55 18.5
ES	55 34.0
AUG 8	
EUR EP	00 00 18.6
AUG 8	
H-00 24 27.7	
5.7S 133.7E	
h ABOUT 22KM	
GUA EP	00 29 24.0
E	29 39.0
BMO E(P)	00 38 50.9
EUR EP	00 38 55.3
AUG 8	
SJG EP	00 32 55.6
AUG 8	
H-00 37 16.6	
36.6N 138.1E	
h ABOUT 6KM	
COL EP	00 46 20.0
NEW EP	00 48 44.0
HHM E(P)	00 48 54.6
BMO EP	00 48 55.5
BOZ EP	00 49 11.5
EUR IP	00 49 19.0
TUC EP	00 50 01.0
ALQ E(P)	00 50 04.0
AUG 8	
SJG EP	00 44 53.6
AUG 8	
EUR E(P)	00 54 05.3
E	54 22.6
AUG 8	
EUR EP	01 09 41.0
AUG 8	
H-01 24 27.9	
28.7S 062.5W	
h ABOUT 606KM	
ALQ EP	01 35 13.9
EUR E(P)	01 35 57.7
AUG 8	
TUC EP	02 28 08.3
BCN EP	02 28 27.2
EL	29 50.3
EUR IP	02 29 19.0
ES	31 38.1
AUG 8	
ALQ IP	02 29 45.0
AUG 8	
ADK IP	02 44 43.5
IS	45 07.7
AUG 8	
BCN EP	02 48 16.3
EL	49 40.1
EUR EP	02 49 07.9
E	49 42.5
ES	51 29.8
ALQ EP	02 49 29.0
AUG 8	
BOZ IP	04 22 20.5
IL	22 35.0
BUT EP	04 22 23.7
E	22 40.2
BMO EP	04 23 03.0
AUG 8	
NEW EP	04 32 32.0
AUG 8	
TUC E(P)	04 50 27.4
AUG 8	
TUC E(P)	04 56 08.5
AUG 8	
H-05 12 14.5	
34.0S 179.5W	
h ABOUT 60KM	
EUR E(P)	05 25 21.5
AUG 8	
BMO E(P)	06 09 54.6
AUG 8	
GUA IP	06 15 19.0
ES	15 25.0
AUG 8	
COL EP	06 29 47.0
EUR E(P)	06 31 03.0
AUG 8	
GUA E(P)	07 19 03.0
AUG 8	
ALQ IP	07 24 02.4
EUR E(P)	07 31 33.7
AUG 8	
H-07 24 16.2	
10.5S 164.3E	
h ABOUT 33KM	
COL EP	07 36 39.0
SLD EP	07 36 46.0
BCN EP	07 37 07.8
EUR IP C	07 37 08.5
E	40 44.0
BMO EP	07 37 09.7
E	37 32.8
NEW EP	07 37 18.0
TUC E(P)	07 37 20.5
HHM EP	07 37 24.1
SLC EP	07 37 24.7
BUT EP	07 37 26.7
BOZ EP	07 37 30.0
EPP	41 10.0
ALQ IP	07 37 39.0
SJG EP'	07 43 28.0
AUG 8	
H-08 02 45.8	
19.3N 108.2W	
h ABOUT 33KM	
TUC IP D	08 05 54.3
E	06 05.0
EL	09 09.0
ALQ IP	08 06 28.0
BCN IP D	08 06 53.0
ES	09 55.0
EL	13 52.0
GCA EP	08 06 56.0
SLD EP	08 07 28.5
ES	11 38.0
EUR IP D	08 07 31.9
ES	11 19.5
E	11 50.9
EL	16 39.5
SLC EP	08 07 35.5
I	07 50.5
EL	11 48.2
UKI E(P)	08 07 58.0
BOZ EP D	08 08 21.5
E	09 14.0
ES	13 00.0
EL	16 18.0
BMO EP	08 08 22.8
BUT EP	08 08 25.9
ES	13 07.2
EL	17 16.2
HHM IP	08 08 47.6
EPP	09 44.1
ES	13 44.1
EL	21 39.1
BHP EP	08 08 50.0
ES	16 04.0
NEW EP	08 08 51.0
IPCP	11 52.0
WSC EP	08 09 21.3
E	09 38.3
SJG IP C	08 10 18.0
IPP	10 34.5
IPCP	12 22.6
IS	16 13.0
COL EP	08 11 57.0
ES	19 28.0
AUG 8	
TUC E(P)	08 29 03.5

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AUG 8		
ALQ	EP	09 03 14.1
	E	03 20.0
	E	09 19.0
AUG 8		
BMO	EP	09 18 13.0
AUG 8		
TUC	E(P)	09 49 05.0
AUG 8		
H-09 57 30.4		
27.7S 069.0W		
h ABOUT 90KM		
BHP	EP D	10 04 40.8
SJG	IP D	10 05 41.1
	I	07 32.0
WSC	EP	10 08 13.3
	E	08 54.8
TUC	EP	10 08 44.2
	E	09 25.3
ALQ	IP	10 08 44.5
	I	09 25.0
GCA	IP	10 09 09.4
SLC	EP	10 09 25.0
EUR	IP D	10 09 31.0
	I	10 12.2
BOZ	IP	10 09 45.2
BMO	IP	10 09 54.8
HHM	IP	10 10 01.1
NEW	IP	10 10 06.0
BCN	I(P)	10 10 13.4
	E	10 19.4
	I	10 54.2
COL	EP'	10 15 51.0
GUA	IP'	10 16 59.0
AUG 8		
COL	EP	10 43 37.0
EUR	E(P)	10 44 06.5
AUG 8		
ALQ	E(P)	11 19 10.5
	E	20 27.0
AUG 8		
COL	EP	11 29 07.0
AUG 8		
H-11 43 38.2		
40.8N 021.4E		
h ABOUT 24KM		
BMO	E(P)	11 56 22.1
AUG 8		
ADK	EP	12 22 04.2
AUG 8		
H-12 40 58.1		
13.4N 145.5E		
h ABOUT 64KM		
GUA	IP	12 41 11.0
	IS	41 17.0
NEW	EP	12 53 27.0
HHM	E(P)	12 53 31.1
	E	53 45.1
BMO	EP	12 53 33.1
	E	53 38.4
EUR	IP	12 53 43.0
BOZ	EP	12 53 49.5
	E	54 15.0
BCN	EP	12 53 55.6
ALQ	E(P)	12 54 20.0
AUG 8		
H-13 51 16.9		
40.1S 075.1W		
h ABOUT 33KM		
ALQ	IP	14 03 24.4
	EPCP	03 33.5
EUR	EP	14 04 03.2
AUG 8		
SJG	EP	14 15 24.0
	IS	15 58.0
AUG 8		
TUC	(PN)	14 25 38.0
AUG 8		
ADK	IP	15 34 49.2
	IS	35 20.6
AUG 8		
ALQ	EP	16 08 12.0
	E	08 18.2
BCN	EP	16 08 31.8
EUR	IP	16 09 11.8
BOZ	EP	16 10 02.0
AUG 8		
ADK	IP	17 33 11.1
	IS	33 37.1
AUG 8		
ALQ	IP	18 08 48.8
	I	09 14.2
AUG 8		
EUR	E(P)	18 41 28.2
AUG 8		
ALQ	IP	19 31 06.5
	I	31 38.0
AUG 8		
H-20 33 47.8		
22.9S 066.5W		
h ABOUT 206KM		
ALQ	EP D	20 44 33.0
TUC	EP	20 44 35.1
EUR	IP	20 45 22.5
BOZ	EP	20 45 34.0
BMO	EP	20 45 45.6
AUG 8		
TUC	EP	20 35 00.4
AUG 8		
BMO	IP	22 18 23.6
AUG 8		
BHP	EP D	22 34 34.8
	ES	34 21.0
AUG 8		
H-22 37 42.4		
20.1S 168.5E		
h ABOUT 33KM		
EUR	EP	22 50 45.5
AUG 8		
TUC	EP	22 41 30.8
AUG 8		
H-23 10 45.3		
19.2N 104.2W		
h ABOUT 46KM		
TUC	EP	23 14 09.5
	EL	18 14.0
ALQ	IP	23 14 28.0
	I	19 03.0
GCA	E(P)	23 15 11.0
BCN	E(P)	23 15 16.3
FGU	E(P)	23 15 38.0
	I	15 45.5
	EL	22 06.5
EUR	EP	23 15 47.1
	I	16 07.0
	EL	22 45.0
BMO	EP	23 16 29.8
	E	16 35.9
BOZ	EP	23 16 30.0
AUG 8		
BMO	E(P)	23 19 45.9
AUG 8		
TUC	E(P)	23 40 39.0
SJG	E(P)	23 41 41.0
AUG 9		
EUR	EP	00 09 34.2
AUG 9		
ADK	IP	00 19 11.3
	IS	19 35.0
AUG 9		
H-00 19 58.0		
32.6N 048.9E		
h ABOUT 39KM		
COL	EP	00 32 15.0
AUG 9		
H-01 05 34.2		
42.2N 018.9E		
h ABOUT 26KM		
BMO	EP	01 18 08.5
AUG 9		
BUT	E(P)	01 15 07.0
AUG 9		
BMO	E(P)	02 30 33.3
AUG 9		
H-03 34 13.2		
40.2N 019.8E		
h ABOUT 27KM		
COL	EP	03 45 54.0
HHM	EP	03 46 37.1
NEW	IP	03 46 43.5
BUT	E(P)	03 46 44.6
BOZ	EP	03 46 45.5
BMO	EP	03 46 57.5
EUR	EP D	03 47 16.7
	E	47 45.0
AUG 9		
EUR	IP	03 52 53.2
AUG 9		
COL	EP	05 00 35.0
AUG 9		
COL	IP	05 48 01.0
AUG 9		
SJG	EP	06 34 01.3
	IS	34 43.0
	IL	34 54.0
AUG 9		
COL	EP	07 09 53.0
AUG 9		
BMO	E(P)	07 14 02.8
AUG 9		
H-08 26 38.5		
35.3N 118.7W		
h ABOUT 2KM		
CED	E(P)	08 27 16.1
	IS	27 39.6
SLD	EP	08 27 23.3
	IL	27 55.5

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	h m s
BCN EP	08 27 32.3
EUR EP	08 27 52.6
E	28 07.7
ES	29 06.5
AUG 9	
H-08 58 55.5	
17.0N 097.8W	
h ABOUT 120KM	
TUC EP	09 03 09.2
ES	09 00.0
ALQ IP	09 03 14.5
I	09 16.5
GCA EP	09 03 54.0
BCN E(P)	09 04 01.3
FGU EP	09 04 19.0
EUR EP D	09 04 30.0
I	10 04 36.5
EL	09 15 56.0
BOZ EP	09 05 03.0
BUT EP	09 05 08.5
BMO EP	09 05 12.8
E	05 19.2
HHM E(P)	09 05 29.1
NEW EP	09 05 37.0
COL IP	09 08 38.8
AUG 9	
COL EP	09 32 03.0
AUG 9	
UKI (PN)	10 14 59.7
EUR EP	10 16 13.0
E	17 38.2
AUG 9	
H-10 32 59.6	
19.0S 069.3W	
h ABOUT 127KM	
BMO EP	10 44 41.3
E	45 26.4
AUG 9	
SLD EP	10 42 36.2
EL	43 05.0
AUG 9	
H-11 12 39.1	
9.3N 083.8W	
h ABOUT 35KM	
SJG EP	11 17 04.5
E	17 11.5
ES	20 54.0
ALQ EP	11 19 14.5
TUC EP	11 19 20.0

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	h m s
EUR E(P)	11 20 25.6
E	22 19.0
BOZ E(P)	11 20 38.5
EPCP	22 29.2
BMO E(P)	11 20 55.0
E	21 26.4
COL EP	11 23 56.0
ADK IP	11 25 10.3
AUG 9	
BHP IP C	11 33 44.0
IS	34 35.0
AUG 9	
TUC EP	11 40 48.0
EL	41 29.4
AUG 9	
BMO EP	13 07 51.8
AUG 9	
GUA EP	14 27 09.0
AUG 9	
H-15 02 32.8	
17.4S 069.6W	
h ABOUT 168KM	
BOZ E(P)	15 13 47.0
BMO EP	15 14 04.3
AUG 9	
H-15 19 24.6	
34.5N 138.6E	
h ABOUT 78KM	
BMO EP	15 30 59.8
HHM E(P)	15 31 00.6
BOZ EP	15 31 17.0
EUR EP	15 31 22.7
AUG 9	
BHP EP D	17 18 15.0
AUG 9	
COL EP	17 22 56.0
AUG 9	
H-17 30 36.8	
20.8S 174.7W	
h ABOUT 25KM	
TUC EP	17 42 50.4
EUR EP	17 42 51.7
BMO EP	17 43 03.7
E	43 25.2
ALQ IP	17 43 12.8
BOZ EP	17 43 22.5
E	43 43.9

Date and Station	Phase (GCT)
	h m s
AUG 9	
ALQ IP	18 35 02.2
I	35 41.0
AUG 9	
BMO E(P)	19 18 56.8
AUG 9	
BMO E(P)	19 50 52.5
AUG 9	
COL EP	20 12 00.0
AUG 9	
BCN EP	20 19 48.6
AUG 9	
EUR EP	20 27 35.8
E	28 02.0
AUG 9	
ALQ IP	21 06 20.5
I	06 55.6
AUG 9	
BHP EP D	21 26 50.3
ES	27 22.0
AUG 9	
EUR IP	21 54 03.0
AUG 9	
H-22 25 42.5	
17.3S 167.5E	
h ABOUT 33KM	
COL EP	22 38 34.0
BCN E(P)	22 38 39.5
EUR IP	22 38 44.4
BMO EP	22 38 48.3
AUG 9	
H-22 30 32.8	
23.9S 068.0W	
h ABOUT 130KM	
BOZ E(P)	22 42 27.0
AUG 9	
H-23 31 22.5	
23.1S 175.8W	
h ABOUT 33KM	
COL EP	23 44 22.0
BOZ EP	23 44 22.0
AUG 9	
BCN EP	23 36 04.8
AUG 10	
H-02 03 32.9	
52.2N 174.6W	
h ABOUT 69KM	
ADK IP	02 03 56.1
IS	04 13.2
COL EP	02 07 49.0

Date and Station	Phase (GCT)
	h m s
NEW IP	02 10 30.4
IPP	10 47.0
BMO IP	02 10 44.3
EPP	11 00.9
BOZ IP	02 11 09.0
IPP	11 26.1
EUR IP	02 11 16.9
TUC IP C	02 12 17.7
ALQ IP	02 12 24.8
AUG 10	
BMO EP	02 12 57.8
AUG 10	
ADK EP	02 29 21.1
E	30 37.3
AUG 10	
ADK IP	03 06 57.0
IS	07 07.0
AUG 10	
H-03 21 50.8	
31.1N 091.9E	
h ABOUT 33KM	
COL EP	03 33 28.0
AUG 10	
ADK IP	03 39 55.7
NEW IP	03 41 54.8
BMO EP	03 42 03.6
AUG 10	
H-05 01 09.3	
20.1S 175.4W	
h ABOUT 95KM	
KIP IP	05 09 13.5
I	09 35.4
GUA EP	05 10 08.0
ES	17 13.0
ADK IP	05 12 21.8
SLD IP	05 12 50.0
IPP	13 15.0
E	16 02.5
BCN IP C	05 13 09.3
EPP	13 34.3
EP'P'	40 05.3
TUC IP C	05 13 14.4
EPP	13 37.2
ES	23 17.0
EPKKP	31 53.0
EP'P'	39 53.5

Date and Station	Phase	(GCT) h m s
EUR	IP C	05 13 15.5
	IpP	13 41.0
	I	16 20.8
	IPP	16 42.0
	ES	23 44.5
	EP'P'	39 40.0
	E	39 50.0
	E	43 20.5
	E	44 33.0
GCA	IP	05 13 24.7
	IpP	13 50.4
	ES	23 34.0
	E	24 21.0
BMO	IP	05 13 27.7
	EpP	13 52.5
SLC	EP	05 13 32.9
	EpP	13 58.8
ALQ	IP	05 13 37.2
	IpP	14 02.0
	EPKKP	31 38.0
NEW	IP	05 13 38.0
	IpP	14 03.0
FGU	IP C	05 13 42.2
	IpP	14 07.0
	I	14 21.5
	ES	24 00.0
	E	24 24.0
BUT	EP	05 13 44.3
	E(pP)	14 09.3
	EPP	17 27.5
	ESKS	24 03.8
	ES	24 59.8
COL	IP	05 13 45.5
	IS	24 04.0
HHM	IP	05 13 45.6
	E	14 12.1
	ES	24 06.1
	EPKKP	31 34.6
	EP'P'	39 43.1
BOZ	IP	05 13 47.0
	IpP	14 13.0
	IsP	14 29.2
	EPP	17 24.0
	ES	24 08.0
	EPKKP	32 40.0
	EP'P'	39 25.0
SJG	EP'	05 19 36.0
AUG 10		
ALQ	E(P)	05 54 49.5
	E	56 00.0
AUG 10		
ALQ	E(P)	06 09 33.0
AUG 10		
BMO	E(P)	07 21 38.5
COL	EP	07 22 28.0
AUG 10		
COL	EP	08 30 25.0
NEW	EP	08 31 46.0
AUG 10		
TUC	(PN)	08 37 33.5
AUG 10		
COL	IP	08 55 28.8
EUR	EP	08 55 49.5
BMO	E(P)	08 55 51.6
AUG 10		
COL	EP	11 31 23.0
NEW	EP	11 33 50.0
BMO	E(P)	11 34 15.9
	E	34 33.2
AUG 10		
NEW	IP	11 47 18.8
BMO	E(P)	11 47 33.5
HHM	E(P)	11 47 36.6
BOZ	E(P)	11 48 25.0
	E	50 34.0
AUG 10		
TUC	(PN)	12 20 03.5
AUG 10		
H-12 33 42.2		
05.5S 151.8E		
h ABOUT 37KM		
GUA	EP	12 38 16.0
	EL	42 02.0
ADK	EP	12 44 08.9
COL	IP	12 46 02.9
BMO	EP	12 46 59.6
NEW	EP	12 47 01.0
EUR	EP	12 47 03.7
	E	47 57.8
	EpP	50 50.0
BCN	E(P)	12 47 04.3
	E	47 08.5
HHM	EP	12 47 10.6
BOZ	EP	12 47 18.9
	EPP	51 16.0
	E(S)	59 00.0
	EL	13 11 08.0
ALQ	I(P)	12 47 44.5
SJG	EP'	12 53 10.0
AUG 10		
COL	EP	12 54 02.0
AUG 10		
H-12 56 47.0		
19.0N 104.5W		
h ABOUT 50KM		
ALQ	IP	13 00 35.4
	I	02 59.5
BMO	E(P)	13 02 34.7
AUG 10		
H-13 07 18.5		
05.5S 151.7E		
h ABOUT 65KM		
COL	IP	13 19 36.4
BMO	E(P)	13 20 33.4
NEW	IP	13 20 34.9
HHM	E(P)	13 20 43.6
BOZ	EP	13 20 52.0
AUG 10		
TUC	(PN)	13 10 40.0
EUR	E(P)	13 12 24.0
AUG 10		
BCN	EP	13 12 26.4
ALQ	EP	13 13 07.5
EUR	EP	13 13 16.1
	I	16 39.6
AUG 10		
H-13 16 00.1		
37.2N 116.2W		
h ABOUT 0KM		
BCN	IP	13 16 28.9
TUC	E(P)	13 16 36.0
EUR	IP	13 16 39.5
BMO	E(P)	13 16 57.0
GCA	E(P)	13 17 01.5
SLD	I(P)	13 17 16.0
	IL	18 09.0
BMO	E(P)	13 17 57.0
AUG 10		
H-13 24 51.1		
30.8N 114.5W		
h ABOUT 33KM		
TUC	(PN)	13 25 44.5
CED	E(P)	13 25 59.5
	E	26 03.0
BCN	EP	13 26 09.6
	EL	27 46.5
GCA	EP	13 26 30.0
	IL	28 06.0
ALQ	IP	13 26 47.0
	I	27 25.5
EUR	EP	13 27 01.4
	E	27 27.5
	EL	29 27.6
BOZ	E(P)	13 28 29.0
AUG 10		
ADK	EP	13 26 24.5
	ES	27 00.0
AUG 10		
COL	EP	13 33 42.5
AUG 10		
BCN	E(P)	13 35 47.6
	E	35 39.7
AUG 10		
COL	EP	13 34 26.1
AUG 10		
COL	EP	13 40 26.0
AUG 10		
COL	EP	14 43 07.0
AUG 10		
ADK	IP	14 49 41.5
	IS	50 06.0
AUG 10		
ADK	IP	14 54 41.5
	ES	55 05.0
COL	EP	14 58 38.8
	E	58 54.0
BMO	EP	15 01 35.6
EUR	IP	15 02 08.8
AUG 10		
H-15 22 42.3		
36.5N 022.3E		
h ABOUT 55KM		
COL	IP	15 34 40.2
HHM	EP	15 35 24.1
NEW	IP	15 35 30.0
BOZ	EP	15 35 31.2
BMO	EP	15 35 42.9
AUG 10		
TUC	E(P)	15 23 58.0
AUG 10		
H-15 57 40.3		
05.5S 151.8E		
h ABOUT 59KM		
GUA	EP	16 02 12.2
COL	EP	16 09 58.0
BMO	EP	16 10 55.2
BOZ	EP	16 11 15.0
AUG 10		
EUR	IP	16 11 38.8

Date and Station	Phase (GCT) h m s
AUG 10	
BOZ E(P)	16 31 06.0
E	34 15.0
AUG 10	
H-16 51 30.5	
44.4S 038.5E	
h ABOUT 33KM	
ALQ EP'	17 11 21.0
AUG 10	
COL EP	16 51 45.0
AUG 10	
TUC EP	17 19 08.7
EL	19 56.0
CED E(P)	17 19 22.5
E	19 26.0
BCN EP	17 19 30.2
E	20 00.8
ALQ IP	17 20 14.5
I	20 49.0
I	22 22.0
EUR E(P)	17 20 24.2
I	21 15.5
IL	22 39.7
BOZ E(P)	17 21 45.0
BMO E(P)	17 21 48.4
NEW EP	17 22 32.0
AUG 10	
H-17 45 45.5	
31.3N 114.4W	
h ABOUT 33KM	
TUC EP	17 46 35.9
EL	47 26.0
CED E(P)	17 46 52.5
E	46 54.4
BCN EP C	17 46 55.8
EUR E(P)	17 47 46.8
EL	50 00.4
ALQ I(P)	17 47 52.0
I	48 20.0
IL	49 50.0
AUG 10	
H-17 47 42.3	
2.2N 102.9W	
h ABOUT 33KM	
ALQ IP	17 54 15.0
EUR IP	17 55 08.9
BOZ EP	17 55 48.5
IPCP	57 33.8
BMO E(P)	17 55 50.7
EPP	57 33.9
HHM EP	17 56 12.1
NEW EP	17 56 15.0
COL EP	17 58 53.0
AUG 10	
TUC EPN	17 52 15.0
AUG 10	
TUC E(P)	17 56 53.2
AUG 10	
ALQ IP	18 01 11.5
I	01 51.4
AUG 10	
ADK EP	19 01 50.0
AUG 10	
BCN IP D	19 07 56.6
IS	07 57.6
AUG 10	
SJG IP C	20 17 24.2
IS	17 50.3
AUG 10	
COL IP	20 35 23.0
AUG 10	
H-21 25 47.3	
20.0S 067.6W	
h ABOUT 105KM	
ALQ EP	21 36 25.0
BMO E(P)	21 37 37.1
AUG 10	
BOZ EP	21 31 39.8
E	31 47.2
E	33 33.5
AUG 10	
BOZ EP	22 04 45.0
AUG 10	
H-22 05 35.3	
38.4N 069.6E	
h ABOUT 5KM	
COL IP	22 17 06.5
NEW IP	22 18 53.7
BOZ EP	22 19 08.0
AUG 10	
BOZ EP	22 17 14.0
E	17 35.0
E	22 43.0
AUG 10	
SIT E(P)	23 04 15.8
AUG 11	
H-00 23 39.5	
37.7N 021.0E	
h ABOUT 38KM	
HHM EP	00 36 14.1
NEW EP	00 36 21.0
BMO EP	00 36 34.6
AUG 11	
HHM E(P)	00 32 56.0
E	33 13.8
AUG 11	
GUA EP	01 07 13.6
ES	07 39.0
AUG 11	
NEW EP	01 18 59.0
BMO EP	01 19 03.2
AUG 11	
BOZ EP	02 01 30.0
AUG 11	
ALQ IP	02 15 54.4
AUG 11	
ADK IP	03 38 00.7
IS	38 23.4
EUR EP	03 44 17.1
AUG 11	
H-04 34 13.1	
38.8N 021.7E	
h ABOUT 5KM	
COL EP	04 46 05.0
HHM EP	04 46 49.1
BOZ EP	04 46 57.0
BMO EP	04 47 09.3
AUG 11	
BMO E(P)	04 42 57.8
AUG 11	
BHP IP C	04 45 37.0
IS	46 11.0
AUG 11	
H-05 12 42.5	
19.3S 173.8W	
h ABOUT 31KM	
KIP IP	05 20 43.3
GUA EP	05 21 50.5
EL	29 34.0
ADK IP	05 23 58.0
SLD EP	05 24 22.0
BCN IP C	05 24 41.9
E	24 48.4
TUC IP C	05 24 47.2
E	24 53.0
EL	34 50.0
EUR IP C	05 24 48.0
I	24 55.7
E(P)	27 46.0
GCA EP	05 24 57.0
BMO EP	05 25 00.2
EPCP	25 08.5
SLC EP	05 25 06.2
EPCP	25 13.1
E	25 18.8
ALQ IP	05 25 10.0
NEW IP	05 25 11.2
HHM EP	05 25 19.6
BOZ IP C	05 25 20.3
ESKS	35 20.0
EP'P'	51 31.0
COL EP	05 25 21.0
IPP	25 34.0
ES	35 58.0
AUG 11	
BOZ IP	06 13 26.2
AUG 11	
BMO E(P)	06 22 36.4
AUG 11	
BMO E(P)	06 56 58.0
EUR E(P)	06 57 02.9
AUG 11	
H-08 40 06.2	
18.1S 178.3W	
h ABOUT 572KM	
EUR IP	08 51 26.2
TUC EP	08 51 28.2
BMO EP	08 51 36.0
COL IP	08 51 45.2
ALQ EP	08 51 47.8
E	52 08.0
BOZ EP	08 51 55.0
AUG 11	
H-08 55 04.9	
18.0S 178.5W	
h ABOUT 579KM	
COL IP	09 06 43.3
AUG 11	
ADK IP	09 25 30.5
IS	25 51.6
BMO E(P)	09 30 07.5
EUR E(P)	09 30 12.0
AUG 11	
H-09 50 41.1	
10.5N 084.0W	
h ABOUT 96KM	
BHP IP C	09 51 49.5
IS	52 42.0
BOZ EP	09 58 27.0
BMO E(P)	09 58 44.0

Date and Station	Phase (GCT) h m s
AUG 11	
TUC EPN	09 54 07.0
AUG 11	
EUR EP	09 57 33.5
AUG 11	
H-10 07 00.9	
29.0S 069.4W	
h ABOUT 107KM	
ALQ EP	10 18 19.5
EUR IP	10 19 05.1
BOZ E(P)	10 19 19.5
EpP	19 50.5
BMO EP	10 19 27.7
EpP	19 59.8
AUG 11	
SLD E(P)	10 23 05.5
AUG 11	
H-10 45 59.1	
52.7N 169.7W	
h ABOUT 56KM	
ADK IP	10 47 05.1
I	47 08.6
IS	47 55.0
COL IP	10 49 46.8
E	52 41.3
ES	53 04.0
ESCS	11 01 44.0
SIT IP	10 50 32.0
IS	54 16.0
NEW IP	10 52 31.2
IPCP	55 14.0
BMO EP	10 52 45.3
HHM IP	10 52 47.1
EPP	54 03.6
IPCP	55 19.1
ES	58 16.1
BOZ IP D	10 53 10.7
E	54 38.0
EPCP	55 27.0
EL	06 00.0
EUR IP D	10 53 19.0
EPP	54 50.6
SLC EP	10 53 33.2
BCN EP	10 53 44.2
EpP	53 58.0
E	54 22.7
TUC EP	10 54 22.8
EpP	54 34.8
EPCP	55 56.5
ALQ IP	10 54 28.6
IPCP	55 59.5
GUA EP	10 55 09.0

Date and Station	Phase (GCT) h m s
SJG EP	10 58 23.5
IPCP	58 38.0
AUG 11	
H-10 50 28.3	
52.4N 169.4W	
h ABOUT 33KM	
ADK IP	10 51 37.0
IS	52 25.0
COL E(P)	10 54 21.8
BMO E(P)	10 57 15.6
E	58 57.8
EUR E(P)	10 57 49.5
TUC E(P)	10 58 53.0
AUG 11	
BMO EP	10 55 18.0
SLD IP	10 55 25.0
EUR IP C	10 55 30.4
I	57 49.6
E	59 13.0
AUG 11	
ALQ EP	10 59 48.0
AUG 11	
COL EP	11 12 05.0
AUG 11	
BMO EP	12 36 30.7
AUG 11	
H-13 25 37.2	
19.8N 108.9W	
h ABOUT 33KM	
ALQ IP	13 29 14.0
SLD EP	13 30 13.5
EUR IP	13 30 17.0
BMO E(P)	13 31 04.0
BOZ EP	13 31 06.2
AUG 11	
EUR IP	13 36 39.5
AUG 11	
BOZ EP	13 53 36.5
AUG 11	
COL EP	14 14 28.0
AUG 11	
EUR IP	14 30 29.8
BOZ E(P)	14 31 50.0
AUG 11	
EUR EP	14 41 15.0
AUG 11	
H-14 47 04.5	
19.8N 109.0W	
h ABOUT 33KM	

Date and Station	Phase (GCT) h m s
ALQ IP	14 50 40.4
EUR IP	14 51 43.0
BOZ EP	14 52 36.0
BMO E(P)	14 52 37.5
COL EP	14 56 15.4
AUG 11	
H-14 59 33.3	
19.6N 109.1W	
h ABOUT 33KM	
ALQ EP C	15 03 12.5
BCN E(P)	15 03 27.4
E	03 44.0
GCA EP	15 03 37.6
SLD EP	15 04 08.8
EUR IP	15 04 13.8
BMO EP	15 05 04.6
BOZ EP	15 05 07.0
E	05 14.9
E	05 33.0
NEW EP	15 05 35.0
COL EP	15 08 40.0
AUG 11	
H-15 03 41.7	
05.7N 126.5E	
h ABOUT 118KM	
ADK E(P)	15 14 13.5
COL EP	15 15 55.0
AUG 11	
H-15 10 26.7	
18.9S 069.6W	
h ABOUT 130KM	
EUR E(P)	15 21 42.6
BOZ EP	15 21 54.6
BMO EP	15 22 07.2
E(pP)	22 34.2
AUG 11	
H-15 45 11.7	
17.6S 178.6W	
h ABOUT 506KM	
EUR EP	15 56 36.5
BMO EP	15 56 45.5
AUG 11	
BCN EP	16 11 25.1
AUG 11	
BOZ EP	18 12 02.5
I	12 10.0

Date and Station	Phase (GCT) h m s
AUG 11	
H-19 12 27.1	
37.6N 020.7E	
h ABOUT 20KM	
BOZ E(P)	19 25 11.0
AUG 11	
ALQ IP	20 00 53.8
AUG 11	
BOZ E(P)	20 29 08.0
AUG 11	
TUC (PN)	20 33 25.0
ALQ IP	20 33 31.5
I	34 07.0
AUG 11	
H-20 39 56.0	
23.5S 175.9W	
h ABOUT 33KM	
ADK EP	20 51 35.5
TUC E(P)	20 52 21.6
EUR IP	20 52 24.5
BMO EP	20 52 36.2
ALQ IP	20 52 43.0
BOZ EP	20 52 55.0
COL IP	20 52 56.1
AUG 11	
H-22 16 15.2	
23.4S 175.7W	
h ABOUT 33KM	
ADK EP	22 27 55.0
EUR EP	22 28 45.0
COL EP	22 29 16.0
AUG 11	
TUC PN	22 16 50.7
AUG 11	
TUC EP	22 27 04.5
ES	27 24.0
ALQ IP	22 27 28.0
I	28 13.5
AUG 11	
COL EP	22 28 25.0
AUG 11	
EUR EP	22 55 48.0
AUG 11	
H-23 17 19.2	
23.4S 175.9W	
h ABOUT 33KM	
ADK EP	23 28 58.2
EUR E(P)	23 29 47.3

Date and Station	Phase (GCT)
	h m s
ALQ EP	23 30 06.1
BOZ EP	23 30 18.0
COL EP	23 30 18.7
AUG 11	
H-23 25 37.9	
23.4S 175.9W	
h ABOUT 36KM	
GUA EP	23 34 54.0
E(S)	42 39.0
ADK IP	23 37 17.0
TUC EP	23 38 02.4
E(S)	48 26.0
EUR IP	23 38 05.2
GCA EP	23 38 13.2
BMO EP	23 38 16.7
ALQ IP	23 38 24.6
HHM E(P)	23 38 34.6
BOZ IP	23 38 36.0
ES	49 34.0
COL EP	23 38 37.0
NEW E(P)	23 38 38.0
AUG 11	
ALQ E(P)	23 26 25.0
BOZ E(P)	23 26 35.0
E	27 25.0
AUG 11	
H-23 33 48.3	
23.6S 175.6W	
h ABOUT 8KM	
TUC E(P)	23 46 16.5
ALQ E(P)	23 46 38.8
BOZ EP	23 46 50.5
AUG 12	
H-00 12 35.1	
23.4S 175.8W	
h ABOUT 11KM	
ADK IP	00 24 17.6
TUC E(P)	00 25 04.5
EUR EP	00 25 06.5
BMO E(P)	00 25 18.0
COL EP	00 25 38.0
AUG 12	
FGU IP C	00 28 50.5
IS	29 09.7
IL	29 11.0

Date and Station	Phase (GCT)
	h m s
AUG 12	
BOZ E(P)	00 40 19.0
E	40 51.0
AUG 12	
ADK IP	01 07 33.3
IS	08 45.0
EUR E(P)	01 13 17.3
AUG 12	
ADK EP	01 46 59.0
E	48 10.0
AUG 12	
H-01 49 02.3	
14.7S 176.0W	
h ABOUT 22KM	
EUR IP	02 00 59.8
TUC E(P)	02 01 01.0
BMO EP	02 01 08.4
COL EP	02 01 22.0
ALQ E(P)	02 01 24.1
AUG 12	
HHM E(P)	02 07 00.1
AUG 12	
ADK EP	03 39 56.9
IS	40 31.5
AUG 12	
H-03 59 49.7	
22.4S 176.2W	
h ABOUT 126KM	
GUA EP	04 08 49.0
ADK I(P)	04 10 11.5
SLD EP	04 11 40.0
E▸P	12 11.5
BCN EP C	04 11 53.0
E▸P	12 24.4
TUC IP C	04 12 02.2
E	12 35.0
EUR IP C	04 12 04.2
I▸P	12 38.7
EPP	15 16.7
GCA EP	04 12 12.5
I▸P	12 44.5
E	13 05.5
BMO EP	04 12 15.7
E▸P	12 48.8
ALQ IP	04 12 23.8
I▸P	12 56.5
NEW IP	04 12 26.1
COL IP	04 12 33.9
BOZ IP	04 12 33.9
I▸P	13 07.5

Date and Station	Phase (GCT)
	h m s
HHM EP	04 12 34.1
E▸P	13 08.1
COL IP C	04 12 34.7
I▸P	13 07.4
AUG 12	
H-05 03 59.8	
15.2S 175.0W	
h ABOUT 33KM	
TUC E(P)	05 15 54.2
EUR E(P)	05 15 55.0
BMO EP	05 16 02.2
ALQ EP	05 16 18.0
COL EP	05 16 19.0
BOZ EP	05 16 24.0
AUG 12	
ADK IP	05 04 13.5
IS	04 56.8
AUG 12	
ADK E(P)	06 18 29.5
AUG 12	
BMO E(P)	08 28 30.3
COL EP	08 28 43.0
BOZ E(P)	08 28 50.0
AUG 12	
H-08 53 36.5	
14.7N 091.1W	
h ABOUT 33KM	
ALQ E(P)	08 58 54.2
EUR EP	09 00 11.4
BMO E(P)	09 00 47.2
AUG 12	
ADK EP	09 15 55.0
ES	16 42.0
AUG 12	
H-09 18 53.9	
36.6N 107.2W	
h ABOUT 5KM	
ALQ IP	09 19 25.0
IL	19 52.6
GCA EP	09 19 49.5
I	19 57.5
IL	20 39.0
EUR E(P)	09 20 47.9
AUG 12	
BOZ E(P)	09 33 32.0
BMO E(P)	09 33 48.0

Date and Station	Phase (GCT)
	h m s
AUG 12	
H-10 31 40.3	
53.1N 167.3W	
h ABOUT 33KM	
ADK IP	10 33 06.0
IS	34 17.5
COL E(P)	10 35 16.5
EUR EP	10 38 50.0
TUC E(P)	10 39 54.0
AUG 12	
ALQ E(P)	10 41 37.2
AUG 12	
BMO E(P)	11 12 27.5
AUG 12	
ADK IP	11 32 17.6
IS	33 07.0
AUG 12	
COL EP	12 32 56.0
AUG 12	
ADK IP	13 36 07.2
IS	36 40.6
AUG 12	
H-14 31 08.5	
20.9S 178.8W	
h ABOUT 562KM	
EUR EP	14 42 41.0
BMO E(P)	14 42 50.6
COL IP	14 43 01.8
AUG 12	
H-14 37 48.4	
23.7S 175.8W	
h ABOUT 5KM	
ADK E(P)	14 49 31.5
TUC E(P)	14 50 19.0
EUR IP	14 50 21.9
BMO EP	14 50 33.1
E	50 41.5
ALQ EP	14 50 40.5
BOZ EP	14 50 51.0
COL IP	14 50 53.9
AUG 12	
ADK IP	14 50 12.0
IS	50 27.0
EUR E(P)	14 56 09.2
AUG 12	
COL EP	14 55 24.0
AUG 12	
BOZ EP	15 34 45.0

Date and Station	Phase	(GCT) h m s
BMO	E(P)	15 35 11.0
AUG 12		
H-15 36 16.5		
53.7N 35.1W		
h ABOUT 33KM		
BOZ	EP	15 44 53.5
NEW	EP	15 45 03.0
COL	EP	15 45 17.0
BMO	E(P)	15 45 19.7
ALQ	EP	15 45 25.5
EUR	EP	15 45 39.6
AUG 12		
HHM	E(P)	15 56 33.6
AUG 12		
H-16 06 27.6		
53.9N 035.3W		
h ABOUT 33KM		
BOZ	EP	16 15 03.5
NEW	EP	16 15 11.0
BMO	E(P)	16 15 29.8
ALQ	EP	16 15 37.0
EUR	IP	16 15 52.2
AUG 12		
SLD	IP C	16 53 36.4
	IS	54 01.5
EUR	IP	16 53 46.5
AUG 12		
ADK	IP	16 55 00.0
	IS	55 28.0
AUG 12		
BOZ	IP	16 58 51.1
	IL	59 08.0
HHM	EP	16 59 00.6
	E	59 25.6
AUG 12		
COL	EP	17 01 16.3
AUG 12		
BOZ	IP	17 17 37.5
	EL	17 55.0
AUG 12		
ALQ	IP	17 40 55.0
	I	41 30.5
AUG 12		
BRW	EP	18 53 02.1
	I	53 28.1
COL	IP	18 53 20.1
AUG 12		
BCN	EP	19 21 01.4
AUG 12		
GUA	EP	19 26 12.0
	E(S)	26 49.0
AUG 12		
H-19 22 25.5		
34.0N 137.4E		
h ABOUT 337KM		
COL	EP	19 31 14.0
HHM	E(P)	19 33 40.1
BMO	EP	19 33 40.4
	EpP	34 57.1
ALQ	I(P)	19 33 47.0
BOZ	E(P)	19 33 57.5
	EpP	35 12.5
EUR	IP	19 34 02.8
AUG 12		
H-19 24 05.9		
53.3S 025.4E		
h ABOUT 33KM		
BCN	EP'	19 43 46.3
BOZ	EP'	19 43 49.4
BMO	EP'	19 43 53.2
EUR	EP'	19 43 54.6
	E	44 17.6
AUG 12		
NEW	EP	19 34 45.0
AUG 12		
ADK	E(P)	20 13 08.0
	ES	13 53.4
AUG 12		
H-20 17 00.5		
52.6N 161.6W		
h ABOUT 31KM		
ADK	IP	20 19 12.8
	IS	20 52.0
COL	E(P)	20 20 14.0
	EL	23 16.0
SIT	E(P)	20 20 37.0
BRW	I(P)	20 21 17.5
NEW	IP	20 22 52.9
	IPCP	26 05.0
BMO	EP	20 23 06.2
HHM	IP	20 23 09.1
	IpP	23 18.6
	IPCP	23 26 09.1
	IpPCP	20 26 18.6
	E(S)	28 57.6
SLD	IP D	20 23 27.5
	IpP	23 35.3
	IsP	23 37.0
	IPCP	26 14.8
	IsPCP	26 24.8
BOZ	EP	20 23 33.0
	IpP	23 43.0
	IPCP	26 17.0
	IpCP	26 27.0
	ES	28 50.0
EUR	IP D	20 23 40.9
	I	24 00.7
BCN	IP	20 24 06.1
	EpP	24 16.8
	EPCP	26 27.3
FGU	IP	20 24 08.0
	IpP	24 17.7
	EPCP	26 27.5
	IpPCP	26 38.5
GCA	IP	20 24 16.7
	IpP	24 24.3
	IsP	24 26.5
	IPCP	26 32.0
	IpPCP	26 39.0
TUC	EP	20 24 47.7
	IpP	24 57.0
	IPCP	26 43.5
	IpPCP	26 54.0
	ES	31 06.0
	EL	34 30.0
ALQ	IP	20 24 53.6
	IPCP	26 46.5
GUA	EP	20 26 45.0
	EpP	26 56.0
SJG	EP	20 29 02.5
AUG 12		
BMO	EP	20 26 07.6
	E	26 16.7
EUR	IP	20 26 19.7
	E	30 08.7
AUG 12		
BOZ	E(P)	21 00 08.0
BMO	E(P)	21 00 14.9
AUG 12		
H-21 08 04.1		
23.9N 142.0E		
h ABOUT 95KM		
GUA	EP	21 10 36.0
	ES	12 45.0
COL	EP	21 18 05.8
NEW	EP	21 20 01.0
BMO	EP	21 20 08.7
	EpP	20 27.0
HHM	E(P)	21 20 10.6
EUR	IP	21 20 26.6
AUG 12		
ALQ	IP	21 35 15.0
	IS	35 49.0
COL	EP	21 41 12.0
AUG 12		
EUR	E(P)	22 00 18.0
FGU	IP	22 00 24.2
	IS	00 46.5
BOZ	E(P)	22 00 54.5
AUG 12		
ALQ	IP	22 13 56.5
	IS	14 30.0
AUG 12		
H-22 23 42.3		
27.5N 140.1E		
h ABOUT 463KM		
COL	E(P)	22 32 49.0
NEW	IP	22 34 52.4
BMO	EP	22 35 00.8
HHM	E(P)	22 35 02.6
BOZ	EP	22 35 17.0
EUR	EP	22 35 18.6
AUG 12		
HHM	EP	22 38 51.6
AUG 12		
BMO	E(P)	23 55 32.7
AUG 13		
BMO	E(P)	01 26 33.9
AUG 13		
NEW	EP	01 28 10.0
AUG 13		
ALQ	E(P)	02 17 32.8
EUR	EP	02 18 33.2
AUG 13		
FGU	E(P)	02 36 38.0
	I	39 39.5
	IS	36 56.5
	IL	36 58.3
AUG 13		
COL	EP	02 31 03.1
AUG 13		
COL	E(P)	03 17 12.0
	E	17 55.6
AUG 13		
SIT	(PN)	04 30 45.2
BMO	EP	04 33 48.2
EUR	EP	04 34 02.9

Date and Station	Phase (GCT)
	h m s
AUG 13	
COL IP	04 38 30.6
BMO EP	04 42 37.2
E	42 49.4
AUG 13	
COL E(P)	04 40 06.0
SIT (PN)	04 41 34.0
BMO E(P)	04 44 41.5
E	45 07.0
EUR E(P)	04 45 51.5
AUG 13	
ADK IP	05 02 18.0
IS	02 27.1
AUG 13	
ADK IP	05 10 55.4
IS	11 04.5
AUG 13	
EUR IP	06 33 26.7
AUG 13	
BMO E(P)	07 14 43.4
AUG 13	
BMO E(P)	07 22 09.8
AUG 13	
ADK IP	07 34 53.5
AUG 13	
TUC EPN	09 42 20.0
ALQ E(P)	09 43 25.5
I	45 43.0
AUG 13	
COL EP	10 03 47.0
AUG 13	
GUA IP	11 59 26.0
IS	59 42.0
BMO E(P)	12 11 39.8
AUG 13	
GUA IP	12 16 19.0
IS	16 36.0
BMO E(P)	12 28 35.3
AUG 13	
NEW EP	12 48 50.0
BMO EP	12 48 58.4
AUG 13	
ADK IP	13 24 30.5
ES	25 03.6
AUG 13	
TUC (PN)	13 30 46.3
BCN E(P)	13 32 30.3
AUG 13	
BOZ IP	13 58 07.5
IL	58 23.5

Date and Station	Phase (GCT)
	h m s
HHM EP	13 58 15.8
E	58 41.3
AUG 13	
BMO EP	14 24 34.5
AUG 13	
ADK EP	14 29 40.5
ES	30 05.5
AUG 13	
BMO EP	14 49 20.0
AUG 13	
ADK E(P)	14 58 37.2
E	58 41.5
ES	59 33.5
AUG 13	
H-15 14 39.8	
22.4S 067.5W	
h ABOUT 106KM	
BMO EP	15 26 44.6
AUG 13	
BMO EP	15 14 48.2
AUG 13	
BMO E(P)	16 53 20.5
EUR EP	16 53 44.5
AUG 13	
H-16 58 40.8	
24.2N 122.9E	
h ABOUT 45KM	
BOZ EP	17 11 58.5
AUG 13	
ADK IP	17 24 18.0
IS	24 38.5
AUG 13	
COL E(P)	17 59 13.2
AUG 13	
TUC (PN)	19 01 44.6
AUG 13	
ALQ E(P)	19 03 32.0
I	05 06.0
AUG 13	
BMO E(P)	20 01 36.5
E	01 46.0
AUG 13	
BCN EP	20 06 34.1
AUG 13	
EUR E(P)	20 08 29.0
AUG 13	
EUR EP	20 28 33.7
AUG 13	
SJG IP	21 38 15.0
IL	38 42.0
AUG 13	
SLD EP	22 13 34.9
IS	13 53.0

Date and Station	Phase (GCT)
	h m s
EUR EP	22 14 47.3
AUG 13	
H-22 43 20.5	
15.7N 092.8W	
h ABOUT 52KM	
ALQ E(P)	22 48 19.5
BMO EP	22 50 14.8
AUG 14	
SJG IP	00 20 14.3
IS	20 27.0
AUG 14	
ADK E(P)	01 09 20.5
ES	09 58.3
AUG 14	
H-02 39 49.1	
38.8N 021.6E	
h ABOUT 33KM	
HHM E(P)	02 53 25.3
E	53 58.3
AUG 14	
NEW IP	02 53 21.3
IS	53 46.3
BOZ EP	02 53 39.5
EL	54 27.0
AUG 14	
H-04 51 04.5	
21.9S 170.0E	
h ABOUT 15KM	
GUA E(P)	04 59 14.0
ES	05 05 40.0
EUR IP	05 04 15.9
COL E(P)	05 04 19.1
SJG EP'	05 10 10.0
AUG 14	
H-05 08 34.4	
38.3N 073.7E	
h ABOUT 144KM	
COL EP	05 19 44.7
AUG 14	
BMO E(P)	05 21 24.3
AUG 14	
H-05 34 48.9	
51.9N 178.5W	
h ABOUT 47KM	
ADK IP	05 35 09.2
IS	35 23.8
COL E(P)	05 39 23.5
NEW IP	05 42 08.5
EUR IP	05 42 54.2

Date and Station	Phase (GCT)
	h m s
AUG 14	
SJG IP	07 29 56.5
IS	30 41.5
AUG 14	
H-07 46 46.7	
14.5S 068.9W	
h ABOUT 33KM	
EUR E(P)	07 57 53.1
BMO EP	07 58 17.3
AUG 14	
ALQ IP	10 41 21.4
EUR IP	10 41 57.9
AUG 14	
ALQ E(P)	11 27 01.8
AUG 14	
EUR EP	11 47 20.7
AUG 14	
SJG IP	12 57 18.0
IS	57 30.6
AUG 14	
SJG EP	14 08 12.5
IL	08 49.5
AUG 14	
BCN EP	15 06 31.4
AUG 14	
H-15 25 52.5	
32.0N 102.6W	
h ABOUT 33KM	
ALQ EP	15 27 00.0
I	27 02.0
IL	27 53.0
TUC EPN	15 27 35.1
SLD IP D	17 01 24.5
IS	01 27.9
AUG 14	
SLD EP	18 37 58.5
IS	38 16.5
AUG 14	
TUC EPN	22 32 09.0
AUG 14	
COL EP	22 59 32.5
EUR EP	23 03 18.0
BMO EP	23 03 31.7
E	03 48.6
AUG 14	
H-23 02 41.9	
21.2S 179.2W	
h ABOUT 581KM	
TUC EP	23 14 14.8
BMO E(P)	23 14 24.6

Date and Station	Phase	(GCT) h m s
AUG 14		
COL	EP	23 30 13.0
AUG 15		
ADK	E(P)	00 59 13.5
	ES	59 57.7
AUG 15		
H-02 12 48.1		
17.9S 178.3W		
h ABOUT 571KM		
GUA	EP	02 20 36.0
SLD	EP	02 23 42.5
BCN	EP	02 24 02.8
EUR	IP	02 24 07.6
TUC	EP C	02 24 09.2
	EpP	26 10.5
BMO	EP	02 24 17.0
NEW	IP	02 24 25.0
COL	EP	02 24 25.9
	EpP	26 34.2
ALQ	IP	02 24 30.0
AUG 15		
H-02 15 34.4		
28.7N 078.9E		
h ABOUT 53KM		
BRW	IP	02 26 59.0
	I	27 07.5
COL	IP	02 27 39.0
	IPP	30 40.0
BMO	E(P)	02 29 44.1
EUR	EP'	02 34 11.5
TUC	EP'	02 34 19.5
AUG 15		
ADK	EP	02 31 19.5
	ES	31 50.4
NEW	EP	02 33 01.0
HHM	E(P)	02 33 12.2
AUG 15		
EUR	E(P)	02 45 01.7
	E	45 10.3
BMO	E(P)	02 45 17.9
	E	45 34.6
	E	45 43.2
AUG 15		
H-02 45 34.3		
13.3N 121.3E		
h ABOUT 24KM		
GUA	EP	02 50 38.0
	ES	54 50.0
ADK	EP	02 55 56.8
BRW	EP	02 57 14.1
COL	EP	02 57 34.0
	ES	03 07 28.0
NEW	EP	02 59 17.0
HHM	EP	02 59 26.2
BMO	EP	02 59 26.5
SLD	E(P)	02 59 32.0
BUT	E(P)	02 59 36.3
	E	03 02 46.3
EUR	IP	02 59 44.0
BCN	EP'	03 04 02.1
TUC	EP'	03 04 12.0
WSC	EP'	03 04 34.9
	E	06 18.0
SJG	EP'	03 05 17.0
AUG 15		
EUR	IP	03 15 39.0
AUG 15		
ADK	IP	03 38 22.0
	IS	38 47.5
AUG 15		
BMO	EP	03 48 41.3
COL	EP	03 49 30.9
AUG 15		
ADK	EP	04 35 36.3
	IS	36 04.4
COL	EP	04 37 07.0
AUG 15		
EUR	IP	05 26 18.0
AUG 15		
ADK	IP	06 40 24.6
AUG 15		
BMO	E(P)	06 53 22.7
AUG 15		
EUR	EP	09 34 10.6
AUG 15		
SLD	IP D	10 03 31.5
	IS	03 37.5
AUG 15		
EUR	E(P)	10 04 59.2
AUG 15		
H-10 20 42.3		
03.8N 064.0E		
h ABOUT 33KM		
GUA	E(P)	10 33 06.0
NEW	IP'	10 39 46.8
	EPP	41 51.0
BUT	EP'	10 39 50.8
	EPP	42 05.8
BMO	EP'	10 39 52.9
EUR	EP'	10 39 56.6
	E	40 05.5
	IPP	42 50.5
SLD	EP'	10 40 04.0
ALQ	IP'	10 40 04.5
	ISKP	43 50.0
BCN	EP'	10 40 05.5
TUC	EP'	10 40 13.0
AUG 15		
COL	EP	10 37 57.0
AUG 15		
H-10 58 51.9		
58.2N 153.0W		
h ABOUT 41KM		
COL	IP	11 00 36.5
	EL	02 35.0
ADK	EP	11 02 20.0
	I	02 23.5
NEW	IP	11 03 57.5
	E	04 15.0
HHM	EP	11 04 11.2
BMO	EP	11 04 18.3
	E	04 31.3
EUR	IP	11 05 00.5
TUC	EP	11 06 11.5
	E	06 22.7
AUG 15		
H-12 10 48.7		
29.7N 068.6E		
h ABOUT 33KM		
COL	IP	12 23 04.8
AUG 15		
SLD	IP	12 27 58.4
	IS	28 17.0
AUG 15		
H-12 58 02.3		
20.7S 178.8W		
h ABOUT 525KM		
GUA	EP	13 06 05.1
ADK	IP	13 08 34.5
BMO	EP	13 09 47.5
COL	IP	13 09 58.3
AUG 15		
BMO	EP	13 21 20.5
AUG 15		
H-13 36 24.7		
60.3N 146.0W		
h ABOUT 15KM		
COL	IP	13 37 36.2
	EL	38 50.0
SIT	IP	13 38 02.0
ADK	EP	13 40 46.0
	I	40 49.5
HHM	IP	13 41 18.7
	IpP	41 24.7
	E(S)	45 22.2
	EL	48 16.2
BMO	IP	13 41 30.7
	E	41 41.0
BZM	EP	13 41 52.0
EUR	IP	13 42 17.5
	I	49 12.0
SLD	IP D	13 42 18.0
	EPCP	45 31.0
	ISCP	49 11.5
SLC	EP	13 42 24.0
	E	42 40.5
	E	42 57.5
BCN	EP D	13 42 47.7
	EL	49 23.6
ALQ	IP	13 43 26.0
	IL	49 38.2
TUC	EP	13 43 30.0
	ES	49 17.0
WSC	EP	13 44 55.0
SJG	EP	13 47 38.0
AUG 15		
ADK	EP	14 41 23.5
	ES	41 48.5
AUG 15		
SLD	E(P)	15 00 01.1
	IS	00 07.1
AUG 15		
COL	EP	15 04 14.0
AUG 15		
H-15 12 59.3		
4.7N 075.3W		
h ABOUT 83KM		
EUR	EP	15 21 52.5
AUG 15		
ADK	EP	15 26 56.7
	I	26 59.5
	IS	27 42.5
AUG 15		
ADK	IP	17 28 13.5
	IS	28 22.3

Date and Station	Phase (GCT)
	h m s
AUG 15	
SJG IP	18 12 58.2
IS	13 20.0
AUG 15	
H-19 37 08.5	
61.0N 152.3W	
h ABOUT 104KM	
COL IP	19 38 13.6
ES	39 09.0
NEW IP	19 42 10.7
HHM IP	19 42 22.7
BMO IP	19 42 36.7
E	42 48.4
EUR IP	19 43 19.0
BCN E(P)	19 43 47.8
ALQ E(P)	19 44 26.6
IPCP	46 39.0
TUC EP	19 44 30.0
AUG 15	
ALQ IP	21 48 45.6
I	49 23.0
AUG 15	
ALQ IP	22 55 05.4
IS	55 30.0
AUG 15	
EUR EP	23 28 15.3
FGU IP	23 29 08.5
IS	29 18.5
AUG 16	
H-01 15 57.5	
16.3S 172.8E	
h ABOUT 33KM	
COL EP	01 28 36.0
EUR IP	01 28 40.2
BMO E(P)	01 28 42.3
AUG 16	
COL EP	01 30 02.0
AUG 16	
H-02 16 19.8	
36.5N 070.8E	
h ABOUT 199KM	
ADK EP	02 27 33.0
COL IP C	02 27 37.6
EPP	28 25.4
SIT E(P)	02 28 31.1
NEW IP	02 29 22.8
E	30 13.0
HHM IP	02 29 23.1
E(PP)	33 12.1

Date and Station	Phase (GCT)
	h m s
BUT EP	02 29 33.8
E(PP)	33 30.3
BZM EP	02 29 36.6
BMO EP	02 29 37.2
EUR EP	02 30 03.8
E	32 39.3
I	34 05.8
E	45 44.5
SLD EP'	02 34 08.5
E	34 19.5
E	34 38.0
TUC EP'	02 34 30.5
BCN EP'	02 34 47.2
AUG 16	
ALQ IP	02 29 08.2
I	30 25.4
IS	34 52.0
AUG 16	
H-02 47 45.1	
71.2N 006.4W	
h ABOUT 33KM	
BMO E(P)	02 57 10.8
EUR EP	02 57 44.6
AUG 16	
H-02 51 41.3	
32.4S 071.8W	
h ABOUT 41KM	
EUR EP	03 04 01.5
BMO EP	03 04 24.5
AUG 16	
HHM E(P)	03 41 04.1
E	41 16.7
BMO E(P)	03 41 21.0
E	41 35.8
NEW EP	03 41 22.0
AUG 16	
EUR EP	03 53 39.0
COL EP	04 00 02.0
AUG 16	
H-03 53 39.2	
40.2N 019.7E	
h ABOUT 5KM	
COL EP	04 05 22.0
HHM EP	04 06 07.1
E	06 11.1
NEW IP	04 06 12.6
BMO EP	04 06 27.2
EUR EP	04 06 47.5

Date and Station	Phase (GCT)
	h m s
AUG 16	
BMO EP	04 42 35.2
AUG 16	
H-04 43 21.4	
30.1N 113.7W	
h ABOUT 11KM	
TUC EPN	04 44 12.1
BCN EP	04 44 52.2
E	45 33.6
GCA EP	04 45 07.8
EL	47 16.5
ALQ IP	04 45 15.0
I	45 25.0
EUR EP	04 45 41.0
I	45 45.5
E	46 59.0
EL	48 20.5
SLD E(P)	04 45 48.0
EL	48 17.0
BMO EP	04 46 57.0
BUT E(P)	04 47 07.8
HHM EP	04 47 37.4
NEW IP	04 47 39.0
AUG 16	
TUC (PN)	04 59 20.0
AUG 16	
TUC (PN)	05 08 56.0
ALQ IP	05 09 58.0
I	12 32.5
BMO E(P)	05 11 41.6
AUG 16	
BMO EP	05 24 52.2
AUG 16	
TUC (PN)	05 26 56.5
AUG 16	
BMO E(P)	05 25 52.2
AUG 16	
TUC (PN)	06 00 27.6
ALQ E(P)	06 01 28.0
AUG 16	
TUC (PN)	06 11 04.4
AUG 16	
TUC (PN)	06 25 41.0
AUG 16	
COL EP	06 28 28.0
AUG 16	
TUC (PN)	06 28 48.6
ALQ EP	06 29 03.2

Date and Station	Phase (GCT)
	h m s
AUG 16	
TUC (PN)	07 40 52.0
AUG 16	
ADK IP	08 12 30.6
IS	12 55.2
AUG 16	
TUC EPN	08 59 41.4
ALQ EP	09 00 41.0
AUG 16	
H-09 42 23.4	
33.5N 137.6E	
h ABOUT 215KM	
BMO EP	09 53 49.7
EUR EP	09 54 14.0
AUG 16	
H-09 43 25.2	
05.8S 104.4E	
h ABOUT 33KM	
HHM EP'	10 02 27.6
BMO EP'	10 02 27.8
EUR EP'	10 02 36.2
E	05 54.0
AUG 16	
TUC (PN)	10 33 20.0
AUG 16	
TUC (PN)	10 47 32.6
AUG 16	
EUR IP	11 15 13.0
AUG 16	
ADK IP	11 33 37.2
I	34 02.0
AUG 16	
ADK IP	12 49 34.3
IS	50 21.5
EUR EP	12 57 05.1
AUG 16	
ALQ IP	13 39 35.8
I	40 14.0
AUG 16	
BMO E(P)	13 59 05.1
AUG 16	
H-14 22 49.9	
52.1N 159.5E	
h ABOUT 46KM	
BMO EP	14 32 02.4
EUR EP	14 32 33.5
I	32 53.3
AUG 16	
H-15 00 44.9	
14.3N 093.0W	
h ABOUT 33KM	

Date and Station	Phase	(GCT) h m s
ALQ	IP	15 05 58.6
TUC	E(P)	15 06 02.0
	E	06 11.0
BCN	E(P)	15 06 46.3
EUR	IP	15 07 13.9
BMO	E(P)	15 07 51.0
	E	09 15.5
HHM	E(P)	15 08 02.0
AUG 16		
H-15 02 15.4		
4.1N 062.8E		
h ABOUT 33KM		
EUR	EP'	15 21 36.5
AUG 16		
ALQ	EP	16 18 19.1
AUG 16		
H-17 47 42.9		
27.8S 178.0W		
h ABOUT 196KM		
ADK	IP	17 59 26.0
EUR	IP	18 00 13.9
BMO	EP	18 00 25.0
ALQ	EP	18 00 30.8
AUG 16		
H-18 02 36.6		
37.4N 114.2W		
h ABOUT 33KM		
BCN	IP C	18 03 01.3
GCA	IP D	18 03 09.6
	IL	03 39.0
EUR	EP	18 03 15.0
SLC	EP	18 03 35.2
FGU	IP D	18 03 54.0
	IL	05 34.5
SLD	EP	18 04 00.0
TUC	IP C	18 04 00.7
	EL	05 28.0
ALQ	IP	18 04 13.0
BMO	EPN	18 04 30.0
BUT	EP	18 04 43.0
	E(S)	06 25.0
BZM	EP	18 04 46.0
	I	05 12.0
	IL	07 00.0
HHM	IP	18 05 14.5
	E	06 06.5
	EL	08 22.0
NEW	IP	18 05 15.0
	IL	08 28.0
CHK	EP	18 07 15.8
	E(S)	11 11.0
	EL	14 19.0
SIT	IP	18 07 55.0
CSC	EP	18 08 17.0
	ES	13 18.0
	EL	16 44.0
WSC	IP	18 08 36.5
COL	EP	18 09 19.0
	ES	14 49.0
ADK	IP	18 10 50.5
SJG	IpP	18 11 00.0
	IPCP	11 07.4
	pPCP	12 17.4
		12 25.0
AUG 16		
HHM	E(P)	18 02 56.5
	E	03 31.5
AUG 16		
BCN	EP	18 18 00.3
	EL	18 20.5
GCA	EP	18 18 09.5
	ES	18 36.0
AUG 16		
SJG	EP	18 25 23.0
	IS	25 40.0
AUG 16		
BCN	E(P)	18 20 32.1
	E(L)	20 50.9
GCA	E(P)	18 20 40.0
	IS	21 06.3
AUG 16		
SJG	IP	18 26 54.5
	IS	27 25.5
AUG 16		
GCA	E(P)	18 26 07.6
	ES	26 35.0
AUG 16		
BCN	EP	18 50 45.9
	EL	51 06.1
GCA	IP	18 50 55.3
	IS	51 22.0
ALQ	E(P)	18 52 08.0
AUG 16		
BCN	EP	19 01 58.1
	IL	02 18.6
GCA	IP C	19 02 08.0
	IS	02 32.1
	IL	02 34.0
ALQ	E(P)	19 03 08.0
AUG 16		
GCA	EP	19 05 11.5
	IS	05 38.0
AUG 16		
GCA	E(P)	19 10 19.2
	ES	10 45.5
AUG 16		
BCN	EP	19 12 34.3
	ES	12 52.5
FGU	IP C	19 13 41.5
AUG 16		
BCN	EP	19 30 44.7
	EL	31 02.8
GCA	E(P)	19 30 53.5
	ES	31 18.0
AUG 16		
BCN	EP	19 34 01.9
	IL	34 22.2
GCA	IP	19 34 11.0
	IS	34 37.2
	IL	34 40.9
AUG 16		
BCN	EP	19 42 53.6
	EL	43 12.8
GCA	E(P)	19 43 03.2
	ES	43 29.0
AUG 16		
H-19 45 38.0		
21.4S 171.4E		
h ABOUT 28KM		
GUA	E(P)	19 53 38.4
	E(S)	00 11.0
BCN	EP	19 58 37.6
COL	EP	19 58 42.5
	EPP	02 23.5
	ES	08 58.0
	EL	27 50.0
BMO	EP	19 58 46.5
GCA	E(P)	19 58 50.8
AUG 16		
H-19 50 09.3		
37.4N 114.2W		
h ABOUT 33KM		
BCN	IP	19 50 34.6
GCA	IP C	19 50 43.5
	IS	51 11.2
	IL	51 13.0
FGU	IP D	19 51 27.8
	I	51 40.5
TUC	EPN	19 51 33.7
ALQ	EP	19 51 47.6
BMO	EPN	19 52 04.2
NEW	E(P)	19 52 59.0
	E	55 43.0
	E	20 02 32.0
AUG 16		
ALQ	IP	19 51 27.7
	I	52 09.2
AUG 16		
COL	EP	19 52 58.0
AUG 16		
GCA	EP	20 04 49.5
	IS	05 16.0
	IL	05 19.3
ALQ	IP	20 05 56.0
AUG 16		
H-20 11 33.4		
37.3N 114.2W		
h ABOUT 33KM		
GCA	EP	20 12 08.5
	IS	12 35.0
	IL	12 38.5
EUR	IP	20 12 13.0
ALQ	IP	20 13 11.0
AUG 16		
GCA	E(P)	20 16 11.0
	ES	16 33.0
EUR	E(P)	20 16 13.4
AUG 16		
ADK	IP	20 18 17.3
	IS	18 53.0
AUG 16		
GCA	EP	20 19 02.3
	ES	19 28.0
EUR	EP D	20 19 06.8
	I	19 13.2
	E(S)	19 48.2
BMO	E(P)	20 19 20.7
AUG 16		
GCA	EP	20 20 06.0
AUG 16		
GUA	EP	20 30 30.0
AUG 16		
BCN	E(P)	20 23 31.5
	EL	23 51.4
GCA	E(P)	20 23 40.8
	IS	24 07.0
EUR	E(P)	20 23 45.0
	E(S)	24 21.6
AUG 16		
H-20 34 47.1		
37.4N 114.2W		
h ABOUT 33KM		
BCN	EP	20 35 12.1
	IL	35 32.1

Date and Station	Phase (GCT)
	h m s
GCA IP D	20 35 22.4
IS	35 48.5
IL	35 51.5
EUR IP D	20 35 27.0
ALQ I(P)	20 36 35.3
AUG 16	
BMO E(P)	20 37 07.9
E	37 13.7
AUG 16	
H-20 42 27.5	
37.3N 114.3W	
h ABOUT 33KM	
BCN IP D	20 42 52.7
IL	43 14.4
GCA IP C	20 43 01.8
IS	43 27.5
IL	43 30.7
EUR IP	20 43 06.6
ALQ I(P)	20 44 05.8
AUG 16	
BCN EP	20 45 25.6
EL	45 47.9
GCA IP	20 45 35.5
IS	46 01.6
IL	46 04.0
AUG 16	
GCA E(P)	20 59 14.0
ES	59 40.0
AUG 16	
H-21 01 46.6	
37.2N 028.8E	
h ABOUT 48KM	
BMO E(P)	21 14 53.4
AUG 16	
H-21 06 15.4	
37.5N 114.1W	
h ABOUT 33KM	
BCN EP	21 06 41.9
EL	07 04.3
GCA E(P)	21 06 49.0
ES	07 15.5
EUR EP	21 06 57.0
AUG 16	
EUR EP	21 22 15.3
AUG 16	
H-21 25 33.9	
20.0S 177.6W	
h ABOUT 536KM	
TUC EP	21 37 02.2
BMO EP	21 37 12.0
ALQ I(P)	21 37 22.5

Date and Station	Phase (GCT)
	h m s
AUG 16	
H-21 30 25.7	
37.4N 114.3W	
h ABOUT 33KM	
BCN IP D	21 30 48.8
IS	31 08.2
EUR IP	21 31 03.8
ALQ E(P)	21 32 18.0
AUG 16	
BCN IP D	21 36 24.5
IS	36 45.3
GCA IP	21 36 35.0
IS	37 01.0
EUR IP	21 36 38.7
BMO E(P)	21 38 17.6
E	38 25.0
AUG 16	
BCN E(P)	21 46 37.1
EUR E(P)	21 46 52.8
AUG 16	
EUR EP	21 49 59.4
AUG 16	
EUR EP	21 53 51.2
AUG 16	
EUR EP	22 06 52.0
AUG 16	
COL EP	22 09 39.0
AUG 16	
HHM E(P)	22 12 12.0
E	12 36.5
BMO EP	22 12 30.9
AUG 16	
BCN EP	22 15 13.1
ES	15 32.9
GCA EP	22 15 25.5
EUR IP D	22 15 27.4
I	15 33.7
E(S)	16 05.0
AUG 16	
H-22 18 00.3	
71.4N 002.9W	
h ABOUT 33KM	
BMO E(P)	22 27 31.3
AUG 16	
BCN EP	22 21 57.3
ES	22 17.3
GCA IP	22 22 06.8
IS	22 34.2
EUR IP	22 22 11.3
E(S)	22 49.0

Date and Station	Phase (GCT)
	h m s
AUG 16	
EUR EP	22 32 01.8
AUG 16	
BCN E(P)	22 32 26.4
E(S)	32 45.9
GCA EP	22 32 35.9
IS	33 03.5
AUG 16	
EUR E(P)	22 38 13.0
AUG 16	
H-22 45 59.4	
37.1N 114.1W	
h ABOUT 33KM	
GCA IP	22 46 32.0
IS	46 55.3
FGU EP	22 47 15.0
I	47 27.0
TUC EPN	22 47 20.0
ALQ E(P)	22 47 35.0
BMO E(P)	22 47 51.7
E	48 19.8
AUG 16	
BCN E(P)	22 46 08.0
GCA E(P)	22 46 19.5
EUR IP D	22 46 22.1
AUG 16	
BCN IP D	22 46 21.4
IS	46 41.9
AUG 16	
BCN EP	22 49 49.1
E(S)	50 06.1
EUR EP	22 49 59.9
AUG 16	
H-23 04 08.9	
41.7N 140.7E	
h ABOUT 119KM	
COL EP	23 12 16.0
NEW EP	23 14 53.0
E	15 10.0
BMO E(P)	23 15 03.8
E	15 22.6
EUR E(P)	23 15 28.0
I	15 48.1
ALQ E(P)	23 16 17.5
AUG 16	
EUR EP	23 19 19.5
AUG 16	
EUR E(P)	23 22 14.0
AUG 16	
BCN EP	23 30 30.2

Date and Station	Phase (GCT)
	h m s
EUR IP D	23 30 44.7
AUG 16	
EUR EP	23 40 44.0
AUG 16	
ALQ E(P)	23 43 17.2
BCN EP	23 44 55.0
ES	45 14.6
EUR EP	23 45 08.0
AUG 16	
GCA EP	23 45 04.7
IS	45 30.4
AUG 16	
BCN EP	23 46 09.0
ES	46 28.8
AUG 16	
EUR EP	23 49 30.2
AUG 17	
BCN EP	00 08 32.8
ES	08 52.2
GCA EP	00 08 43.0
ES	09 07.5
EUR E(P)	00 08 47.8
AUG 17	
EUR E(P)	00 14 19.9
AUG 17	
ADK EP	00 21 06.0
IS	22 04.2
AUG 17	
BCN EP	00 24 27.9
ES	24 47.6
EUR EP	00 24 36.9
GCA EP	00 24 37.5
IS	25 04.2
BMO E(P)	00 26 05.1
AUG 17	
ADK E(P)	00 26 29.0
AUG 17	
COL IP	00 30 09.2
EL	30 51.0
AUG 17	
BCN EP	00 28 20.9
E(S)	28 41.9
GCA EP	00 28 30.5
ES	28 56.0
EUR E(P)	00 28 36.0
AUG 17	
EUR EP	00 33 51.2
E	34 04.8
AUG 17	
ADK EP	00 50 56.6

Date and Station	Phase	Phase (GCT) h m s
AUG 17		
BCN	EP	00 54 48.7
	ES	55 08.3
GCA	EP	00 54 58.2
	ES	55 24.3
EUR	EP	00 55 03.0
AUG 17		
H-00 53 43.8		
21.7S 171.0E		
h ABOUT 40KM		
ALQ	E(P)	01 06 04.0
AUG 17		
H-01 04 13.1		
37.4N 114.2W		
h ABOUT 33KM		
BCN	IP	01 04 39.1
	IS	04 59.0
GCA	IP	01 04 48.6
	ES	05 16.4
EUR	IP D	01 04 52.7
AUG 17		
EUR	EP	01 24 14.1
AUG 17		
EUR	E(P)	01 41 51.8
AUG 17		
EUR	E(P)	01 52 12.8
AUG 17		
BOZ	EP	02 10 57.2
	EL	11 33.0
AUG 17		
BMO	EP	02 23 30.8
EUR	EP	02 23 53.0
AUG 17		
BMO	E(P)	02 29 33.7
BOZ	EP	02 29 50.0
AUG 17		
BCN	EP	02 31 23.6
	ES	31 43.4
GCA	EP	02 31 33.0
	ES	31 58.0
AUG 17		
EUR	EP	02 31 36.6
AUG 17		
H-02 37 02.3		
37.4N 114.1W		
h ABOUT 33KM		
BCN	EP	02 37 27.9
	IS	37 47.9
GCA	EP	02 37 37.0
	IS	38 03.5
EUR	EP	02 37 42.9
AUG 17		
BCN	EP	02 51 54.4
	ES	52 14.4
GCA	EP	02 52 02.4
	ES	52 29.5
EUR	EP	02 52 07.6
AUG 17		
ADK	IP	02 57 07.0
AUG 17		
H-03 06 52.7		
37.3N 114.2W		
h ABOUT 33KM		
BCN	EP	03 07 17.2
	ES	07 36.8
GCA	EP	03 07 27.5
	IS	07 53.7
EUR	EP	03 07 32.5
AUG 17		
ALQ	E(P)	03 08 49.5
BMO	E(P)	03 09 15.5
AUG 17		
H-03 13 58.9		
37.3N 114.2W		
h ABOUT 33KM		
BCN	IP	03 14 23.3
	IS	14 43.1
GCA	EP	03 14 33.5
	IS	15 00.3
EUR	IP	03 14 38.6
AUG 17		
ALQ	E(P)	03 15 15.0
BMO	E(P)	03 16 22.3
AUG 17		
ALQ	E(P)	03 15 56.0
AUG 17		
GCA	E(P)	03 55 43.5
EUR	EP	03 55 48.2
AUG 17		
GCA	E(P)	03 55 43.5
	ES	56 09.0
AUG 17		
ADK	IP	04 06 05.0
	IS	06 19.7
AUG 17		
H-04 14 00.7		
37.4N 114.2W		
h ABOUT 25KM		
BCN	IP C	04 14 26.7
	IS	14 45.7
GCA	IP	04 14 36.6
	IS	15 03.0
EUR	IP	04 14 40.8
SLC	E(P)	04 15 13.9
	E	16 03.6
FGU	IP	04 15 20.0
	I	15 32.8
TUC	EPN	04 15 25.8
ALQ	IP	04 15 40.0
	I	16 01.5
BMO	E(P)	04 15 55.6
	E	16 19.0
	E	16 24.6
BOZ	E(P)	04 16 14.0
	E	17 46.0
AUG 17		
NEW	EP	04 19 42.0
AUG 17		
BCN	EP	04 27 14.2
	ES	27 34.2
GCA	EP	04 27 23.8
	IS	27 49.5
EUR	EP	04 27 27.7
AUG 17		
BCN	EP	04 28 52.2
	ES	29 11.9
GCA	EP	04 29 02.0
	ES	29 25.5
EUR	EP	04 29 12.5
AUG 17		
EUR	EP	04 34 13.4
AUG 17		
BCN	EP	04 37 08.7
	ES	37 28.7
GCA	E(P)	04 37 18.2
	ES	37 43.0
EUR	E(P)	04 37 25.0
AUG 17		
ADK	IP	04 42 38.0
	IS	42 59.9
AUG 17		
EUR	E(P)	04 41 36.4
AUG 17		
H-04 46 41.0		
37.3N 114.2W		
h ABOUT 33KM		
BCN	I(P)	04 47 08.4
	IS	47 28.6
GCA	IP	04 47 16.5
	IS	47 42.0
EUR	IP	04 47 21.0
SLC	E(P)	04 47 51.4
FGU	EP	04 48 00.1
	I	48 13.0
TUC	(PN)	04 48 05.0
ALQ	EP	04 48 19.7
	I	48 42.0
AUG 17		
BOZ	E(P)	04 49 18.5
AUG 17		
EUR	EP	04 57 57.3
AUG 17		
H-05 08 23.5		
37.3N 114.2W		
h ABOUT 33KM		
BCN	EP	05 08 47.9
	ES	09 08.5
GCA	EP	05 08 59.0
	IS	09 25.3
EUR	IP D	05 09 03.8
AUG 17		
BCN	E(P)	05 09 13.5
	ES	09 33.5
GCA	IP	05 09 22.5
	IS	09 49.0
EUR	IP	05 09 28.4
ALQ	EP	05 10 17.0
AUG 17		
GCA	EP	05 21 19.0
EUR	EP	05 21 23.9
	I(S)	22 04.0
AUG 17		
GCA	EP	05 21 19.0
	IS	21 44.5
AUG 17		
BMO	EP	05 28 06.5
AUG 17		
H-05 37 56.7		
51.9N 176.2E		
h ABOUT 59KM		
ADK	IP	05 39 02.7
	I	39 09.0
	IS	39 56.5
COL	EP	05 42 53.0
BMO	E(P)	05 45 53.7
BOZ	EP	05 46 16.5
AUG 17		
BCN	EP	05 45 40.2
	ES	45 59.6
GCA	EP	05 45 48.5
	ES	46 14.5

Date and Station	Phase (GCT)
	h m s
EUR EP	05 45 54.4
E(S)	46 34.0
ALQ EP	05 47 09.5
AUG 17	
BCN EP	06 19 31.2
ES	19 50.8
GCA EP	06 19 39.5
ES	20 06.8
EUR EP	06 19 44.5
E(S)	20 18.4
AUG 17	
EUR EP	06 27 27.2
ALQ EP	06 28 27.5
AUG 17	
BOZ EP	06 37 34.2
EL	37 51.7
AUG 17	
BCN EP	06 47 10.8
ES	47 31.3
AUG 6	
GCA E(P)	06 47 20.5
E(S)	47 43.0
EUR EP	06 47 25.5
E(S)	47 59.5
AUG 17	
BOZ EP	06 51 47.0
EL	52 06.0
AUG 17	
SLD IP	06 52 10.0
IS	52 37.0
EUR E(P)	06 52 25.0
AUG 17	
BCN EP	06 58 18.6
ES	58 38.6
GCA EP	06 58 29.2
IS	58 54.5
EUR E(P)	06 58 32.5
AUG 17	
BOZ E(P)	07 01 55.5
EL	02 15.4
AUG 17	
BCN E(P)	07 18 28.7
GCA EP	07 18 38.5
ES	19 04.0
EUR EP	07 18 40.5
AUG 17	
EUR EP	07 49 12.2
E(S)	49 53.5
AUG 17	
ADK EP	07 54 52.3
AUG 17	
GCA EP	08 09 07.5
EUR E(P)	08 09 11.0
AUG 17	
GUA EP	08 19 13.0
AUG 17	
BMO EP	08 30 04.2
BOZ E(P)	08 30 24.5
E	30 39.0
AUG 17	
GCA EP	08 54 20.0
EUR EP	08 54 21.5
AUG 17	
GCA EP	08 54 20.0
ES	54 43.5
AUG 17	
BCN EP	08 56 03.9
ES	56 23.2
GCA EP	08 56 12.0
IS	56 38.5
EUR E(P)	08 56 19.6
AUG 17	
BMO E(P)	09 32 35.4
ALQ EP	09 32 49.6
AUG 17	
ALQ EP	10 01 35.5
AUG 17	
BCN EP	10 23 57.4
ES	24 18.2
GCA EP	10 24 07.0
IS	24 32.5
EUR EP	10 24 11.7
E(S)	24 52.0
AUG 17	
ADK IP	10 26 39.0
IS	26 51.4
AUG 17	
H-10 33 51.6	
17.6S 172.8W	
h ABOUT 76KM	
EUR EP	10 45 41.0
BMO EP	10 45 54.3
ALQ E(P)	10 46 04.3
BOZ EP	10 46 14.5
EPP	46 29.6
COL EP	10 46 17.0
AUG 17	
COL E(P)	11 12 33.4
AUG 17	
H-11 19 05.9	
37.4N 114.1W	
h ABOUT 33KM	
BCN EP	11 19 31.2
ES	19 51.1
GCA EP	11 19 40.5
IS	20 07.0
EUR EP	11 19 45.0
HHM E(P)	11 22 41.7
AUG 17	
BOZ EP	11 24 10.5
E	24 31.7
E	24 51.7
AUG 17	
GUA EP	11 30 12.0
ES	33 12.0
AUG 17	
H-11 32 40.0	
37.3N 114.1W	
h ABOUT 33KM	
BCN EP	11 33 04.8
E(S)	33 24.5
GCA EP	11 33 14.0
IS	33 40.5
EUR EP	11 33 19.7
I(S)	33 59.5
AUG 17	
ALQ EP	11 34 36.5
AUG 17	
BMO E(P)	11 39 45.1
AUG 17	
EUR E(P)	11 49 33.0
AUG 17	
H-11 52 45.9	
07.3S 123.7E	
h ABOUT 506KM	
BMO EP'	12 10 30.6
EUR IP'	12 10 36.5
BOZ EP'	12 10 38.4
E	10 42.5
E	10 45.7
ALQ IP'	12 10 53.0
AUG 17	
EUR EP	12 04 09.0
AUG 17	
EUR EP	12 23 50.0
AUG 17	
BCN EP	12 46 08.8
E(S)	46 28.0
AUG 17	
BCN EP	12 46 56.0
E(S)	47 13.0
GCA EP	12 47 05.5
ES	47 31.0
EUR EP	12 47 10.3
AUG 17	
BCN EP	12 58 33.4
ES	58 52.9
GCA EP	12 58 43.0
ES	59 09.0
EUR E(P)	12 58 47.0
AUG 17	
H-13 06 58.3	
37.3N 114.2W	
h ABOUT 33KM	
BCN EP	13 07 24.0
IS	07 44.5
GCA EP	13 07 32.5
IS	07 59.5
EUR EP C	13 07 37.2
ALQ E(P)	13 08 35.6
AUG 17	
NEW IP	18 11 34.9
COL E(P)	13 08 36.5
AUG 17	
H-13 17 28.2	
14.4S 167.4E	
h ABOUT 204KM	
COL EP	13 29 46.0
EUR E(P)	13 29 58.5
BMO EP	13 30 05.5
AUG 17	
GCA EP	13 47 05.5
AUG 17	
H-14 20 56.1	
37.3N 114.2W	
h ABOUT 33KM	
BCN EP	14 21 21.7
ES	21 41.9
EUR IP	14 21 36.0
AUG 17	
ALQ E(P)	14 22 53.5
AUG 17	
H-14 40 03.6	
48.0N 123.6W	
h ABOUT 33KM	
NEW IP	14 41 09.9
ES	42 33.0
BMO EP	14 41 23.4
BOZ E(P)	14 42 08.3
E	42 19.3
ES	44 15.5
EUR E(P)	14 42 32.5

Date and Station	Phase	Phase (GCT) h m s
AUG 17		
HHM	E(P)	14 42 18.7
	E	43 17.2
EUR	EP	14 42 46.5
AUG 17		
EUR	EP	14 55 37.0
AUG 17		
ALQ	IP	15 21 22.0
	IS	21 56.0
AUG 17		
GCA	E(P)	15 21 27.5
	I(S)	22 00.8
AUG 17		
EUR	EP	15 29 31.6
AUG 17		
EUR	EP	16 06 20.3
AUG 17		
H-16 18 00.1		
35.2S 070.5W		
h ABOUT 125KM		
ALQ	IP	16 29 43.0
BMO	E(P)	16 30 47.3
AUG 17		
GCA	EP	16 42 29.5
EUR	EP	16 42 35.4
AUG 17		
GCA	EP	16 42 29.5
	ES	42 55.5
AUG 17		
COL	EP	17 07 00.0
AUG 17		
H-17 38 22.6		
48.5N 155.6E		
h ABOUT 15KM		
BMO	EP	17 48 07.8
BOZ	EP	17 48 26.3
	E	48 43.5
EUR	IP	17 48 37.2
AUG 17		
ADK	IP	17 52 18.0
	IS	52 45.0
AUG 17		
COL	EP	18 08 10.0
AUG 17		
BOZ	IP	18 20 51.9
	EL	21 05.6
EUR	EP	18 21 04.7
HHM	E(P)	18 21 22.2
	E	21 58.2
AUG 17		
ALQ	IP	18 48 28.0
	I	49 46.0
AUG 17		
ALQ	IP	18 54 51.0
	I	55 16.0
AUG 17		
BCN	IP D	19 00 23.0
	IS	00 43.0
AUG 17		
H-19 14 57.7		
37.3N 114.1W		
h ABOUT 33KM		
BCN	IP	19 15 22.9
	IS	15 43.9
GCA	EP	19 15 31.5
	IS	15 58.5
EUR	IP	19 15 36.8
TUC	(PN)	19 16 22.0
AUG 17		
BMO	EPG	19 17 22.9
AUG 17		
EUR	EP	19 22 15.0
AUG 17		
BOZ	EP	19 43 45.6
	E	44 24.5
AUG 17		
H-19 54 10.1		
05.0S 125.2E		
h ABOUT 539KM		
GUA	EP	19 59 09.9
	E	20 00 38.0
	E(S)	03 04.0
ADK	IP	20 04 58.2
COL	IP	20 06 26.1
SLD	IP'C	20 11 42.5
	IPP	12 33.5
	ISKP	14 26.0
NEW	EP'	20 11 45.0
	E	12 35.0
BMO	IP'	20 11 46.6
	E	12 42.4
HHM	IP'	20 11 48.7
EUR	IP'	20 11 52.3
ALQ	IP'	20 11 52.5
	I	12 09.0
	I▸P'	14 07.0
BOZ	IP'	20 11 54.2
	IPP	13 09.0
	I▸P'	14 37.5
	E	17 55.5
BCN	EP'	20 11 55.6
	E▸P'	14 40.1
TUC	IP'	20 12 03.8
	EPP	13 41.0
	E▸P'	14 47.0
AUG 17		
BMO	E(P)	20 07 56.5
AUG 17		
BMO	EP	20 12 42.3
COL	EP	20 15 16.0
AUG 17		
BMO	IP	20 14 29.5
EUR	IP D	20 14 35.3
	E	15 54.8
AUG 17		
TUC	E(P)	20 22 09.5
BMO	E(P)	20 22 45.3
COL	EP	20 22 56.0
AUG 17		
BOZ	EP	20 26 24.2
AUG 17		
H-20 58 36.6		
52.2N 175.0E		
h ABOUT 33KM		
COL	IP	21 03 38.3
	ES	07 43.0
NEW	IP	21 06 27.8
	E▸P	06 38.0
HHM	IP	21 06 41.2
	E	07 02.2
	EPP	08 27.7
BMO	EP	21 06 41.8
SLD	E(P)	21 07 00.4
BOZ	IP	21 07 04.3
	I	07 13.8
	ES	13 47.0
EUR	IP	21 07 14.4
TUC	EP	21 08 13.0
ALQ	IP	21 08 17.5
	I▸P	08 29.0
	I	11 08.0
AUG 17		
BCN	EP	21 04 07.1
	ES	04 26.9
GCA	EP	21 04 15.0
	ES	04 42.5
EUR	IP D	21 04 20.0
AUG 17		
BCN	E(P)	21 07 18.5
AUG 17		
BMO	E(P)	21 12 15.0
	E	12 33.4
BCN	E(P)	21 13 58.8
AUG 17		
BOZ	IP	21 21 15.5
	IL	21 28.5
AUG 17		
H-21 42 50.9		
37.4N 114.1W		
h ABOUT 33KM		
BCN	IP	21 43 16.2
	IS	43 36.4
GCA	IP	21 43 26.0
	IS	43 52.0
EUR	IP D	21 43 30.2
ALQ	IP	21 44 29.0
	I	44 50.5
	IL	46 28.4
AUG 17		
BMO	EPG	21 45 13.9
AUG 17		
EUR	EP	21 51 21.7
AUG 17		
BOZ	EP	21 51 37.2
	IL	51 47.5
AUG 17		
EUR	EP	21 53 36.5
AUG 17		
H-23 07 58.9		
37.4N 114.1W		
h ABOUT 33KM		
BCN	IP D	23 08 23.6
GCA	IP	23 08 33.5
	IS	09 00.8
EUR	IP	23 08 38.0
SLC	E(P)	23 08 58.6
	I	09 08.5
FGU	EP	23 09 17.0
	IL	10 34.2
SLD	E(P)	23 09 18.0
	I	09 39.0
	IL	10 53.5
TUC	EPN	23 09 23.0
	EL	10 42.0
ALQ	IP	23 09 37.0
	I	09 58.6
	IS	11 25.5
BMO	EPN	23 09 54.0
BOZ	EP	23 10 05.3
	I	10 12.8
	ES	11 42.0

Date and Station	Phase (GCT)
	h m s
HHM E(P)	23 10 36.7
EL	13 36.2
NEW IP	23 10 40.4
EL	13 36.0
COL EP	23 14 43.0
AUG 17	
H-23 14 42.4	
50.8N 030.1W	
h ABOUT 33KM	
BOZ EP	23 23 48.3
COL E(P)	23 24 12.5
ALQ IP	23 24 19.0
AUG 17	
BCN EP	23 17 30.4
GCA EP	23 17 47.0
IS	18 13.2
EUR IP	23 17 51.5
AUG 17	
BCN EP	23 17 37.8
IS	17 57.4
AUG 17	
BCN IP D	23 23 29.6
IS	23 49.4
GCA EP	23 23 39.3
IS	24 05.0
EUR IP C	23 23 44.1
BMO EPG	23 25 25.4
AUG 17	
H-23 27 21.1	
37.4N 114.3W	
h ABOUT 33KM	
BCN E(P)	23 27 45.4
IS	28 05.6
GCA IP	23 27 55.5
IS	28 21.3
EUR IP D	23 28 00.0
ALQ IP	23 29 02.0
I	30 47.0
AUG 17	
BMO EPG	23 29 43.5
AUG 17	
BOZ EP	23 42 17.9
AUG 17	
BCN EP	23 49 53.4
E	50 13.0
EUR E(P)	23 50 01.6
GCA EP	23 50 02.2
IS	50 28.0
AUG 17	
TUC E(P)	23 53 01.0
AUG 18	
EUR EP	00 02 46.8
AUG 18	
H-00 05 04.5	
01.7S 100.6E	
h ABOUT 16KM	
NEW EP'	00 24 03.0
BMO EP'	00 24 08.0
EUR EP'	00 24 15.7
AUG 18	
BOZ EP	00 23 16.7
I	23 35.8
I	24 11.3
ALQ IP	00 23 21.0
I	24 25.0
AUG 18	
BCN EP	00 33 18.8
ES	33 38.4
GCA EP	00 33 27.2
ES	33 53.4
EUR IP D	00 33 32.3
AUG 18	
EUR E(P)	01 13 55.5
AUG 18	
COL E(P)	01 16 35.9
AUG 18	
BCN EP	01 21 52.5
ES	22 11.7
EUR EP	01 22 01.5
GCA EP	01 22 01.5
ES	22 26.8
AUG 18	
BCN EP	01 25 00.5
ES	25 20.0
GCA EP	01 25 10.0
ES	25 35.5
EUR EP	01 25 14.7
AUG 18	
NEW EP	01 25 49.0
BMO E(P)	01 26 58.6
AUG 18	
GCA E(P)	01 39 15.5
ES	39 42.2
EUR EP	01 39 20.3
AUG 18	
EUR EP	01 59 34.2
AUG 18	
BCN EP	02 07 15.4
ES	07 34.7
GCA EP	02 07 24.6
ES	07 48.4
EUR EP D	02 07 29.6
AUG 18	
BCN EP	02 17 17.6
ES	17 37.4
GCA IP	02 17 27.4
ES	17 53.5
EUR EP	02 17 32.0
AUG 18	
H-02 29 44.3	
15.8S 172.8W	
h ABOUT 33KM	
EUR E(P)	02 40 32.6
BMO EP	02 41 44.6
EPCP	41 54.6
BOZ EP	02 42 02.5
E(pP)	42 16.9
NEW E(P)	02 42 03.0
COL EP	02 42 05.7
IpP	42 16.8
BCN E(P)	02 42 23.6
AUG 18	
GCA EP	02 40 27.0
ES	40 54.0
AUG 18	
EUR EP	03 04 27.1
AUG 18	
COL IP	03 11 25.5
IS	12 49.0
AUG 18	
BCN EP	03 20 41.1
E(S)	21 00.3
GCA IP C	03 20 50.0
IS	21 16.5
EUR IP D	03 20 54.0
BMO EPG	03 22 37.6
AUG 18	
EUR E(P)	03 41 08.3
AUG 18	
BCN EP	03 54 23.6
GCA E(P)	03 54 35.0
ES	54 58.0
EUR EP	03 54 36.8
AUG 18	
GCA EP	04 04 27.5
EUR EP	04 04 32.4
AUG 18	
BCN EP	04 31 00.1
GCA EP	04 31 09.0
ES	31 35.4
EUR IP D	04 31 13.8
AUG 18	
GCA EP	04 36 35.6
ES	37 00.3
EUR EP	04 36 40.3
AUG 18	
SJG IP	04 43 07.2
IS	43 35.5
AUG 18	
EUR EP	04 43 29.5
AUG 18	
GCA EP	05 04 57.8
EUR EP	05 05 03.0
AUG 18	
GCA EP	05 04 57.8
ES	05 24.0
AUG 18	
GCA EP	05 08 41.5
E(S)	09 05.5
AUG 18	
GCA EP	05 47 33.5
EUR EP	05 47 38.8
AUG 18	
GCA EP	05 47 33.5
ES	48 00.8
AUG 18	
EUR E(P)	05 55 33.5
AUG 18	
H-06 15 01.3	
37.3N 114.2W	
h ABOUT 34KM	
BCN IP D	06 15 26.0
IS	15 46.3
GCA IP	06 15 35.0
IS	16 03.5
EUR IP	06 15 41.0
SLC EP	06 16 05.0
I	16 12.9
I	17 03.7
FGU IP	06 16 20.0
IL	17 38.5
SLD E(P)	06 16 24.0
I	16 41.5
IL	17 55.0
TUC EPN	06 16 25.2

Date and Station	Phase (GCT)
	h m s
ALQ IP	06 16 38.5
I	17 02.2
BMO EPN	06 16 56.1
BOZ E(P)	06 17 06.3
E	17 28.0
EL	19 20.5
NEW E(P)	06 17 37.0
EL	20 44.0
AUG 18	
BCN EP	06 24 23.1
ES	24 43.1
GCA EP	06 24 24.5
ES	24 50.4
EUR IP D	06 24 29.7
AUG 18	
H-06 27 43.6	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	06 28 08.0
IS	28 28.2
GCA IP C	06 28 18.5
IS	28 44.4
EUR IP C	06 28 23.5
FGU EP	06 29 01.5
EL	30 16.0
TUC (PN)	06 29 08.4
ALQ IP	06 29 22.0
I	29 43.0
IL	31 10.6
BMO EPN	06 29 38.5
AUG 18	
H-06 38 04.4	
51.7N 178.0E	
h ABOUT 36KM	
ADK IP	06 38 57.0
IS	39 37.8
COL IP	06 42 58.9
ES	47 03.0
NEW EP	06 45 42.0
HHM EP	06 45 56.4
BMO EP	06 45 56.4
E	46 20.8
BOZ IP	06 46 19.0
I	46 33.5
I	46 43.6
EUR IP C	06 46 29.3
BCN EP	06 46 51.9
TUC EP	06 47 27.8
ALQ IP	06 47 34.5

Date and Station	Phase (GCT)
	h m s
AUG 18	
H-06 40 35.9	
37.4N 114.1W	
h ABOUT 33KM	
BCN EP	06 41 01.8
ES	41 20.8
GCA IP C	06 41 10.5
IS	41 36.3
EUR EP	06 41 15.7
AUG 18	
BMO E(P)	06 47 48.7
AUG 18	
BMO E(P)	06 51 36.8
AUG 18	
EUR E(P)	06 54 50.8
AUG 18	
BCN EP	06 56 38.0
ES	56 57.8
GCA IP	06 56 47.5
ES	57 13.8
EUR EP	06 56 51.7
ALQ EP	06 58 10.2
I	59 40.0
BMO EPG	06 58 35.4
AUG 18	
H-07 17 09.2	
37.4N 114.2W	
h ABOUT 33KM	
BCN EP	07 17 34.2
ES	17 54.2
GCA IP C	07 17 44.5
ES	18 10.5
EUR IP D	07 17 49.0
AUG 18	
BCN EP	07 29 07.6
ES	29 27.2
EUR EP	07 29 22.3
AUG 18	
GUA EP	07 32 04.0
ES	32 24.0
AUG 18	
ADK IP	07 36 05.7
IS	36 22.3
AUG 18	
H-07 32 10.6	
37.4N 114.2W	
h ABOUT 33KM	
BCN EP	07 32 35.7
ES	32 55.2
GCA EP	07 32 46.0
ES	33 09.5

Date and Station	Phase (GCT)
	h m s
EUR EP	07 32 50.7
AUG 18	
COL E(P)	07 40 18.0
AUG 18	
BMO E(P)	07 43 13.0
NEW EP	07 43 19.0
BOZ EP	07 43 34.3
E	43 57.3
AUG 18	
H-07 41 49.9	
37.4N 114.2W	
h ABOUT 33KM	
BCN EP	07 42 15.2
E	42 35.4
GCA IP	07 42 25.5
IS	42 51.4
EUR IP C	07 42 29.8
ALQ E(P)	07 43 32.4
I	43 51.2
IL	45 15.0
BMO E(P)	07 43 33.2
AUG 18	
NEW EP	07 48 48.0
BMO EP	07 48 53.0
AUG 18	
BMO E(P)	07 49 53.0
AUG 18	
BCN IP	07 57 15.1
IS	57 35.2
AUG 18	
H-08 03 37.1	
37.4N 114.2W	
h ABOUT 33KM	
BCN EP	08 04 02.3
ES	04 22.4
GCA IP	08 04 12.0
IS	04 38.5
EUR EP	08 04 16.6
AUG 18	
ALQ EP	08 05 34.0
I	07 03.5
BMO EPG	08 05 59.7
AUG 18	
H-08 07 58.9	
37.4N 114.3W	
h ABOUT 33KM	
BCN IP	08 08 23.2
IS	08 43.0
GCA IP C	08 08 33.7
IS	08 59.9

Date and Station	Phase (GCT)
	h m s
EUR IP D	08 08 38.2
ALQ I(P)	08 09 32.0
I	09 58.5
IL	11 25.0
AUG 18	
BMO EPG	08 10 21.6
AUG 18	
BCN EP	08 17 13.8
ES	17 34.1
GCA E(P)	08 17 28.0
ES	17 50.7
EUR IP D	08 17 29.2
AUG 18	
BCN EP	08 30 14.4
ES	30 34.0
EUR EP	08 30 27.5
AUG 18	
BCN EP	08 33 04.6
ES	33 24.8
EUR EP	08 33 18.5
AUG 18	
GCA EP	08 53 37.5
AUG 18	
COL EP	08 59 02.0
AUG 18	
GCA EP	08 53 37.5
ES	54 03.5
AUG 18	
BMO E(P)	08 58 12.3
AUG 18	
H-09 15 37.5	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	09 16 02.1
GCA IP	09 16 11.5
IS	16 36.0
EUR IP	09 16 16.9
SLC E(P)	09 16 36.5
I	16 48.1
IS	17 06.6
FGU EP D	09 16 55.8
IL	18 14.5
SLD E(P)	09 16 59.2
I	17 14.6
IL	18 31.7
TUC EP	09 17 01.7
EL	18 36.0
ALQ IP	09 17 14.0
IL	19 03.5
BMO EPN	09 17 32.2

Date and Station	Phase (GCT) h m s
BOZ EP	09 17 41.9
E	17 45.2
EL	19 32.0
HHM E(P)	09 18 12.4
E	19 30.9
EL	21 17.9
NEW EP	09 18 18.0
EL	21 25.0
COL EP	09 22 21.0
AUG 18	
BCN E(P)	09 23 43.4
ES	24 03.1
GCA IP C	09 23 54.0
IS	24 20.5
EUR E(P)	09 23 59.0
AUG 18	
BCN EP	09 26 21.3
GCA IP	09 26 32.0
IS	26 58.2
FGU EP	09 27 15.3
EL	28 32.5
BMO EPG	09 28 20.4
AUG 18	
SLD IP D	09 28 47.0
IS	28 50.4
BOZ EP	09 31 29.2
AUG 18	
H-09 28 56.9	
37.4N 114.3W	
h ABOUT 33KM	
BCN IP D	09 29 20.9
IS	29 42.2
GCA IP C	09 29 30.0
IS	29 57.5
EUR IP	09 29 35.0
SLC E(P)	09 30 04.1
I	30 09.1
I	30 13.6
NEW EP	09 31 38.0
EL	35 14.0
AUG 18	
BMO EPG	09 31 22.1
AUG 18	
BCN EP	09 32 37.5
ES	32 57.0
GCA EP	09 32 47.0
IS	33 14.2
AUG 18	
BCN E(P)	09 40 16.2
E(S)	40 36.2
GCA IP	09 40 27.3
IS	40 52.8
EUR E(P)	09 40 30.5
AUG 18	
BMO EPG	09 42 16.1
AUG 18	
COL EP	09 48 44.0
AUG 18	
GCA EP	10 00 21.0
EUR E(P)	10 00 26.0
AUG 18	
GCA EP	10 00 21.0
IS	00 47.2
AUG 18	
BCN EP	10 03 26.5
ES	03 46.6
AUG 18	
H-10 09 22.4	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	10 09 47.0
IS	10 06.9
IS	10 23.8
GCA IP C	10 09 57.5
EUR IP C	10 10 03.5
SLC EP	10 10 26.0
FGU EP	10 10 41.5
EL	12 00.0
TUC E(P)	10 10 46.3
ALQ IP	10 11 01.2
I	11 22.0
BMO EPN	10 11 18.3
BOZ E(P)	10 11 42.0
EL	13 44.0
AUG 18	
NEW EP	10 14 44.0
AUG 18	
BCN E(P)	10 15 05.7
E(S)	15 25.5
AUG 18	
EUR E(P)	10 26 46.5
AUG 18	
H-10 28 02.5	
37.4N 114.2W	
h ABOUT 33KM	
BCN EP	10 28 27.7
ES	28 47.0
GCA IP C	10 28 37.8
IS	29 04.4
EUR IP D	10 28 42.7
AUG 18	
H-10 33 17.7	
14.6N 091.7W	
h ABOUT 85KM	
BHP IP C	10 36 22.0
IS	39 41.0
CSC EP	10 38 05.5
E	42 07.0
SJG EP C	10 38 31.2
IPCP	42 08.7
pPCP	42 27.0
IS	43 23.0
IL	44 48.0
ESCP	45 43.5
ESCS	49 32.5
TUC IP	10 38 33.9
ES	42 54.0
CHK EP	10 38 54.6
ES	43 47.4
WSC IP	10 38 59.0
IpP	39 18.0
IsP	39 27.5
EL	44 57.5
PHI EP	10 39 16.6
EL	44 31.0
BCN IP C	10 39 19.3
IpP	39 35.8
FGU EP C	10 39 24.3
SLC IP	10 39 33.6
EUR EP	10 39 45.4
SLD IP	10 39 55.9
IpP	40 11.5
IPCP	42 32.5
IpPCP	42 47.5
ES	45 12.0
ISCP	46 14.0
IpSCP	46 28.5
ESCS	50 16.0
BOZ IP C	10 40 05.5
EpP	40 23.5
E	40 49.2
ES	45 16.0
BMO IP	10 40 21.8
HHM IP	10 40 31.9
IPCP	42 45.9
EpPCP	43 02.9
E(S)	46 56.9
ESCS	50 34.9
E	51 02.4
NEW IP	10 40 41.9
I	41 00.0
SIT IP	10 42 35.0
ES	50 12.0
COL IP C	10 43 35.8
IpP	43 52.5
IPCP	44 12.4
I	44 31.7
E(S)	52 32.0
ADK EP	10 44 54.6
E	47 24.2
AUG 18	
BCN EP	10 37 51.7
ES	38 11.2
GCA EP	10 38 01.1
ES	38 26.0
AUG 18	
H-10 43 34.4	
37.4N 114.1W	
h ABOUT 33KM	
BCN I(P)	10 43 59.5
I(S)	44 19.8
GCA IP	10 44 09.5
IS	44 35.6
EUR I(P)	10 44 14.5
AUG 18	
FGU IP	10 46 03.6
AUG 18	
COL IP	10 46 49.8
ES	52 02.0
AUG 18	
BCN EP	11 04 32.8
ES	04 52.2
GCA IP	11 04 41.7
IS	05 07.7
EUR E(P)	11 04 47.0
AUG 18	
GCA EP	11 07 57.5
EUR EP	11 08 03.5
AUG 18	
GCA EP	11 07 57.5
IS	08 24.2
AUG 18	
BMO E(P)	11 12 22.4
NEW EP	11 12 35.0
AUG 18	
COL EP	11 18 30.0
AUG 18	
COL EP	11 20 34.0
AUG 18	
COL EP	11 26 45.0
ES	29 48.0
AUG 18	
ADK IP	11 27 28.4
IS	27 52.5

Date and Station	Phase	Phase (GCT) h m s
AUG 18		
H-11 31 56.2		
37.4N 114.2W		
h ABOUT 33KM		
BCN	EP	11 32 22.6
GCA	EP	11 32 31.8
	ES	32 59.0
EUR	IP D	11 32 36.4
AUG 18		
SLD	IP	11 38 00.0
	IS	38 05.6
AUG 18		
EUR	EP	11 48 44.5
AUG 18		
EUR	EP	11 56 28.5
AUG 18		
H-12 00 35.1		
37.3N 114.2W		
h ABOUT 33KM		
BCN	IP D	12 00 58.7
GCA	IP C	12 01 09.7
	IS	01 35.5
EUR	IP C	12 01 14.5
SLC	EP	12 01 39.1
	I	01 45.5
	IL	02 37.4
FGU	EP	12 01 53.7
	I	02 05.5
	IL	03 11.5
SLD	E(P)	12 01 55.0
	I	02 10.5
	IL	03 26.0
TUC	EPN	12 01 59.0
	EL	03 34.0
	IL	04 02.0
ALQ	IP	12 02 13.0
BMO	EPN	12 02 29.9
BOZ	EP	12 02 41.7
	E	02 48.7
	EL	14 53.0
NEW	EP	12 03 16.0
	EL	06 24.0
AUG 18		
BCN	EP	12 10 15.8
	ES	10 35.2
GCA	EP	12 10 26.0
	IS	10 52.0
EUR	EP	12 10 30.7
AUG 18		
EUR	EP	12 14 12.4
AUG 18		
BCN	EP	12 24 03.7
	E(S)	24 23.2
GCA	EP	12 24 13.5
	ES	24 40.4
EUR	EP	12 24 19.0
AUG 19		
GCA	EP	12 34 13.5
AUG 18		
BCN	EP	13 12 59.8
	ES	13 18.8
GCA	EP	13 13 10.2
	IS	13 36.6
EUR	IP	13 13 15.4
AUG 18		
GCA	E(P)	13 17 24.0
	ES	17 49.0
EUR	E(P)	13 17 28.0
AUG 18		
H-13 26 47.3		
37.4N 114.2W		
h ABOUT 33KM		
BCN	EP	13 27 12.6
	IS	27 31.9
GCA	EP	13 27 22.5
	IS	27 47.0
EUR	IP D	13 27 27.8
AUG 18		
ALQ	IP	13 28 42.5
	I	30 18.0
BMO	EPG	13 29 14.9
AUG 18		
H-13 33 21.2		
37.3N 114.1W		
h ABOUT 33KM		
BCN	IP D	13 33 45.7
GCA	IP	13 33 56.0
	IS	34 23.0
SLC	E(P)	13 34 23.6
	I	34 31.8
	IS	35 12.6
FGU	IP D	13 34 40.0
	IL	35 56.5
SLD	E(P)	13 34 41.8
	E	34 57.0
	EL	36 16.0
TUC	EPN	13 34 45.5
ALQ	IP	13 34 59.0
	I	35 22.0
	IL	36 50.0
BMO	EPN	13 35 15.9
BOZ	EP	13 35 27.0
	EL	37 43.5
NEW	EP	13 36 02.0
	ES	39 08.0
AUG 18		
GCA	EP	13 37 22.5
AUG 18		
BCN	E(P)	13 53 47.5
	ES	54 07.1
EUR	EP	13 53 54.7
AUG 18		
BCN	EP	14 03 43.0
	E(S)	04 03.2
GCA	EP	14 03 52.5
	E(S)	04 17.5
EUR	EP	14 03 57.5
AUG 18		
BCN	EP	14 07 43.2
	ES	08 03.0
GCA	E(P)	14 07 52.0
	ES	08 19.3
EUR	EP	14 07 57.7
AUG 18		
BCN	EP	14 20 51.1
	ES	21 11.1
EUR	IP	14 21 05.5
AUG 18		
H-14 33 58.3		
00.1S 125.0E		
h ABOUT 33KM		
GUA	EP	14 39 10.0
ADK	IP	14 45 14.5
HON	I(P)	14 45 47.6
COL	EP C	14 46 49.2
	E	47 05.4
	ES	56 30.0
SIT	IP	14 47 23.0
NEW	EP	14 48 18.0
	E	52 13.0
	EPKKP	15 03 48.0
BMO	E(P)	14 48 23.3
	E	14 52 00.9
	EPKKP	15 03 44.4
HHM	E	14 48 27.4
	E(P)'	14 52 07.9
	I	52 28.9
	E	57 40.4
	ESKS	15 02 26.9
	ES	02 53.9
SLD	EP'	14 52 22.0
	EPKKP	15 03 44.6
EUR	E	14 48 37.0
IP'	IP	52 34.3
	I	56 27.5
	E	15 03 25.4
WSC	E	14 52 25.0
	EP'	53 19.0
	E	57 12.5
	E	59 44.5
	E	15 00 41.0
BOZ	IP'	14 52 34.5
	I	52 47.5
	E	53 21.4
	ISKP	56 29.0
	I	57 14.0
	EPKKP	15 03 24.8
	E	11 14.5
BCN	EP'	14 52 38.6
	EPKKP	15 03 24.9
TUC	EP'	14 52 44.8
	E	52 52.0
ALQ	IP'	14 52 50.5
	ISKP	56 43.5
SJG	IP'	14 53 51.2
	I	54 31.5
AUG 18		
H-14 37 53.0		
00.0N 124.9E		
h ABOUT 33KM		
GUA	EP	14 43 03.5
ADK	IP	14 49 09.1
	I	54 30.6
HON	IP	14 49 51.0
COL	IP	14 50 43.5
SIT	EP	14 51 16.0
SLD	EP'	14 56 17.0
	PKKP	15 07 38.5
EUR	EP'	14 56 27.5
NEW	EP'	14 56 31.0
BCN	EP'	14 56 32.3
TUC	EP'	14 56 39.5
	E	56 47.0
SJG	EP'	14 57 49.5
	I'	58 26.0
AUG 18		
SJG	EP	15 02 03.5
AUG 18		
BCN	E(P)	15 05 36.0
	E(S)	05 56.0
GCA	EP	15 05 47.2
	ES	06 13.5

Date and Station	Phase (GCT)
	h m s
EUR I(P)	15 07 28.7
E	08 16.6
AUG 18	
AUG 18	
NEW EP	15 07 42.0
AUG 18	
COL E(P)	15 12 44.8
AUG 18	
GCA E(P)	15 31 17.0
EUR E(P)	15 31 22.0
AUG 18	
GCA E(P)	15 31 17.0
ES	31 44.0
AUG 18	
BMO EP	15 35 13.8
AUG 18	
H-15 42 41.5	
4.3S 138.4E	
h ABOUT 142KM	
GUA EP	15 46 53.0
ADK EP	15 53 25.0
COL IP D	15 55 10.8
I	56 09.4
BMO E(P)	15 56 25.5
EUR E(P)	15 56 34.2
SJG EP*	16 02 22.3
E	03 03.5
AUG 18	
EUR EP	15 54 27.3
AUG 18	
H-15 58 06.6	
37.4N 114.1W	
h ABOUT 33KM	
BCN EP	15 58 31.4
ES	58 50.4
GCA E(P)	15 58 41.5
ES	59 08.0
EUR IP D	15 58 46.3
BOZ E(P)	16 01 09.2
AUG 18	
ALQ IP	16 11 59.5
AUG 18	
EUR EP	16 50 53.7
AUG 18	
GUA EP	17 02 41.0
AUG 18	
BOZ EP	17 14 01.2
EL	14 21.1

Date and Station	Phase (GCT)
	h m s
AUG 18	
LVN P	17 23 08.0
AUG 18	
BOZ E(P)	17 30 53.8
AUG 18	
H-17 35 06.4	
37.4N 114.2W	
h ABOUT 33KM	
BCN IP D	17 35 31.1
GCA IP	17 35 41.0
IS	36 06.5
EUR IP	17 35 46.3
SLC EP	17 36 08.4
SLD EP	17 36 24.2
I	36 45.5
IL	38 00.0
FGU IP D	17 36 25.8
IL	37 46.0
TUC IP C	17 36 31.4
EL	38 05.0
ALQ IP	17 36 44.4
I	37 08.5
BMO IPN	17 37 01.9
BOZ EP	17 37 15.0
E	37 20.8
EL	39 20.0
HHM E(P)	17 37 47.9
E	38 37.4
E	40 50.4
E	42 04.0
NEW EP	17 37 48.0
COL IP	17 41 51.9
AUG 18	
ALQ IP	17 38 31.0
AUG 18	
BCN EP D	17 45 14.7
AUG 18	
GCA EP	17 47 17.0
EUR EP	17 47 22.2
EL	48 02.0
BOZ EP	17 48 36.0
AUG 18	
GCA EP	17 47 17.0
ES	47 43.5
AUG 18	
BCN EP	17 49 36.5
ES	49 56.3
GCA EP	17 49 49.2
ES	50 12.0

Date and Station	Phase (GCT)
	h m s
AUG 18	
BOZ IP	17 59 00.0
ES	59 09.0
HHM E(P)	17 59 31.2
AUG 18	
LVN EP	18 06 15.0
GCA EP	18 06 39.5
ES	07 06.1
EUR E(P)	18 06 42.0
AUG 18	
BCN EP	18 06 29.9
ES	06 49.3
AUG 18	
LVN EP	18 09 16.0
AUG 18	
LVN EP	18 12 01.0
AUG 18	
LVN EP	18 13 33.0
AUG 18	
BOZ IP	18 24 05.8
EL	24 18.5
EUR IP	18 25 12.0
AUG 18	
GCA EP	18 34 34.4
EUR EP	18 34 39.8
AUG 18	
GCA EP	18 34 34.4
E(S)	34 58.5
AUG 18	
BCN EP	18 53 03.2
ES	53 22.4
GCA EP	18 53 13.2
ES	53 40.0
EUR EP	18 53 18.3
AUG 18	
BOZ EP	18 58 05.0
E	58 11.3
AUG 18	
BCN EP	19 07 17.8
E	07 42.1
GCA EP	19 07 32.7
ES	08 00.0
EUR EP	19 07 38.4
AUG 18	
H-19 40 52.2	
14.9N 091.9W	
h ABOUT 33KM	
ALQ IP	19 46 05.2
BOZ E(P)	19 47 30.5

Date and Station	Phase (GCT)
	h m s
AUG 18	
GCA EP	19 46 45.0
ES	47 12.0
BOZ E(P)	19 47 30.5
AUG 18	
EUR EP	19 46 55.9
HHM E(P)	19 47 03.9
AUG 18	
BCN EP	19 52 42.3
AUG 18	
H-19 57 36.3	
37.4N 114.2W	
h ABOUT 33KM	
BCN EP C	19 58 01.4
ES	58 21.6
GCA IP C	19 58 11.5
IS	58 37.3
EUR IP	19 58 16.0
TUC (PN)	19 59 03.0
AUG 18	
ALQ IP	19 59 31.5
IS	20 01 03.0
AUG 18	
BMO EPG	19 59 59.2
AUG 18	
BOZ E(P)	20 03 50.5
AUG 18	
H-20 09 15.4	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP	20 09 40.7
IS	10 00.2
GCA IP C	20 09 50.5
IS	10 16.5
EUR IP C	20 09 54.6
FGU EP	20 10 34.0
TUC (PN)	20 10 38.0
AUG 18	
GCA E(P)	20 30 56.5
ES	31 23.0
AUG 18	
BCN EP	20 31 05.6
AUG 18	
ALQ IP	20 33 02.2
AUG 18	
BCN E(P)	20 56 20.6
E	58 01.7
ALQ IP	20 57 08.0
I	59 11.4

Date and Station	Phase	Phase (GCT) h m s
AUG 18		
GUA	EP	21 05 15.7
AUG 18		
EUR	E(P)	20 59 40.5
AUG 18		
GCA	EP	21 13 58.5
AUG 18		
ADK	E(P)	21 18 41.2
AUG 18		
GCA	EP	21 13 58.5
	ES	14 24.4
AUG 18		
BCN	EP	21 16 12.1
	ES	16 31.5
GCA	EP	21 16 23.5
	ES	16 49.5
EUR	IP	21 16 28.5
AUG 18		
BCN	E(P)	21 20 07.8
	ES	20 27.1
GCA	EP	21 20 28.0
	ES	20 54.5
EUR	EP	21 20 33.5
BMO	E(P)	21 22 17.6
AUG 18		
H-21 23 57.2		
37.4N 114.2W		
h ABOUT 33KM		
BCN	EP	21 24 22.9
	ES	24 42.4
GCA	EP	21 24 32.5
	IS	24 58.8
EUR	IP	21 24 37.2
AUG 18		
BMO	EPG	21 26 24.2
AUG 18		
GCA	E(P)	21 37 49.5
	ES	38 16.0
AUG 18		
BCN	EP	21 39 04.0
	ES	39 24.0
GCA	E(P)	21 39 13.5
	ES	39 39.0
AUG 18		
EUR	EP	21 51 16.3
AUG 18		
H-21 56 10.3		
37.4N 114.3W		
h ABOUT 33KM		
BCN	EP	21 56 34.7
	IS	56 54.7
GCA	EP	21 56 44.7
	ES	57 10.8
EUR	IP	21 56 49.0
BMO	EPN	21 58 05.4
AUG 18		
BMO	E(P)	22 02 14.8
AUG 18		
H-22 09 00.3		
36.3N 026.4E		
h ABOUT 122KM		
BMO	EP	22 21 59.2
	EPP	22 29.8
AUG 18		
ALQ	IP	22 24 20.0
	IS	24 54.4
AUG 18		
ALQ	IP	22 28 04.0
	IS	28 47.0
AUG 18		
TUC	(PN)	22 30 52.0
AUG 18		
ALQ	IP	22 32 29.5
	I	34 08.0
GCA	E(P)	22 33 08.5
	EL	33 44.5
EUR	EP	22 33 23.0
AUG 18		
GCA	EP	22 41 18.0
EUR	EP	22 41 23.4
AUG 18		
ADK	IP	22 48 11.4
	IS	49 02.0
AUG 18		
GCA	EP	22 41 18.0
	ES	41 44.5
AUG 18		
EUR	EP	22 51 41.3
AUG 18		
GCA	E(P)	22 52 23.5
	ES	52 51.0
AUG 18		
BCN	IP	23 05 14.5
	IS	05 34.3
GCA	IP C	23 05 25.1
	IS	05 51.8
EUR	IP C	23 05 29.4
TUC	(PN)	23 06 11.5
BMO	EPG	23 07 13.9
AUG 18		
BCN	E(P)	23 05 59.0
	IL	06 18.0
GCA	I(P)	23 06 08.7
	IS	06 34.2
BMO	EPN	23 07 33.6
AUG 18		
EUR	EP	23 24 01.1
AUG 18		
ALQ	IP	23 32 47.2
	I	33 12.0
AUG 18		
EUR	EP	23 56 01.7
	IL	56 44.0
AUG 19		
H-00 18 56.1		
37.3N 114.2W		
h ABOUT 33KM		
BCN	IP D	00 19 21.0
	IS	19 41.2
GCA	IP	00 19 31.0
	IS	19 55.5
EUR	IP	00 19 35.2
SLC	EP	00 19 56.8
	EL	21 10.4
FGU	EP	00 20 15.3
TUC	E(P)	00 20 21.5
ALQ	IP	00 20 34.0
	I	20 55.5
	IL	22 13.0
BMO	EPN	00 20 51.6
BOZ	E(P)	00 20 55.0
NEW	EP	00 21 37.0
AUG 19		
BOZ	IP	00 33 00.0
AUG 19		
EUR	EP	01 23 22.3
AUG 19		
H-01 27 16.1		
37.3N 114.1W		
h ABOUT 33KM		
BCN	IP	01 27 41.3
	IS	28 01.0
GCA	EP	01 27 50.6
	IS	28 16.8
EUR	EP C	01 27 55.5
TUC	(PN)	01 28 40.7
ALQ	I(P)	01 29 06.0
	I	29 16.5
AUG 19		
COL	EP	01 31 35.0
AUG 19		
EUR	EP	01 35 34.8
	E(S)	36 14.5
AUG 19		
EUR	EP	01 39 08.8
AUG 19		
ALQ	IP	01 51 02.0
	I	52 13.5
	I	53 37.0
AUG 19		
H-02 08 05.1		
37.3N 114.2W		
h ABOUT 33KM		
BCN	IP	02 08 29.6
	IS	08 50.0
GCA	IP D	02 08 40.0
	IS	09 06.2
EUR	IP	02 08 44.5
TUC	(PN)	02 09 29.5
ALQ	IP	02 09 43.5
	I	10 04.8
	I	11 33.5
BMO	EPN	02 10 01.0
AUG 19		
BOZ	EP	02 08 39.3
AUG 19		
BOZ	IP	02 09 47.3
	E	10 10.2
AUG 19		
ALQ	IP	02 27 15.0
	I	28 19.0
AUG 19		
BOZ	IP	02 28 44.0
	I	28 46.5
AUG 19		
EUR	EP	02 45 52.6
AUG 19		
EUR	EP	03 08 41.0
AUG 19		
H-03 10 01.4		
59.5N 144.8W		
h ABOUT 14KM		
SIT	IP	03 11 21.0
	IS	12 22.0
COL	EP	03 11 25.5
ADK	E(P)	03 14 31.0
NEW	IP	03 14 31.9
HHM	IP	03 14 46.8
	I	14 49.8
BMO	EP	03 14 57.4

Date and Station	Phase (GCT)
	h m s
BOZ IP D	03 15 18.0
E	15 28.2
EsP	15 35.0
E(S)	19 41.0
EUR EP	03 15 45.1
EPCP	19 10.0
EL	22 45.7
SLD EP	03 15 45.5
ALQ IP	03 16 54.8
TUC EP	03 16 58.7
CSC EP	03 18 44.0
E	18 50.0
AUG 19	
ALQ IP	03 42 50.0
BUT E(P)	03 45 29.3
E	54 44.3
AUG 19	
ALQ IP	03 48 17.5
IS	49 21.8
TUC (PN)	03 48 23.2
AUG 19	
COL EP	04 03 09.0
AUG 19	
H-03 53 01.0	
50.4N 77.9E	
h ABOUT 000KM	
BMO E(P)	04 05 33.7
EUR EP	04 06 02.5
AUG 19	
H-04 15 44.6	
30.3N 105.6W	
h ABOUT 33KM	
ALQ IP	04 16 55.5
IL	18 17.0
TUC EP	04 16 57.0
EL	18 13.0
EUR EP	04 18 49.2
EL	22 16.7
BMO E(P)	04 19 49.6
AUG 19	
BCN EP	04 20 49.2
E	21 08.4
AUG 19	
BCN EP	04 40 50.7
ES	40 30.7
GCA E(P)	04 41 01.5
ES	41 28.0
EUR EP	04 41 06.5
E(S)	41 45.0

Date and Station	Phase (GCT)
	h m s
AUG 19	
ADK IP	05 08 04.4
IS	08 19.7
AUG 19	
ALQ IP	05 12 32.0
I	13 44.0
AUG 19	
H-05 15 17.0	
37.4N 114.2W	
h ABOUT 33KM	
BCN IP D	05 15 41.5
IS	16 01.8
GCA EP	05 15 52.0
IS	16 18.8
EUR EP C	05 15 56.3
ES	16 34.5
ALQ I(P)	05 17 07.5
AUG 19	
EUR EP	05 33 03.5
E(S)	33 44.7
AUG 19	
H-05 53 34.9	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	05 53 59.6
IS	54 19.4
GCA IP	05 54 10.0
IS	54 36.3
EUR IP C	05 54 14.8
TUC (PN)	05 54 59.5
ALQ I(P)	05 55 18.0
I	55 35.5
IL	57 04.4
AUG 19	
BMO EPG	05 55 58.4
AUG 19	
H-06 16 09.5	
37.4N 114.2W	
h ABOUT 33KM	
BCN IP	06 16 34.8
IS	16 55.4
GCA EP	06 16 44.5
ES	17 10.5
EUR EP C	06 16 49.0
TUC (PN)	06 17 34.6
ALQ IP	06 17 51.0
I	18 11.0
AUG 19	
H-06 22 58.7	
34.9N 138.3E	
h ABOUT 114KM	
BMO EP	06 34 29.9

Date and Station	Phase (GCT)
	h m s
AUG 19	
GUA IP	06 25 32.9
AUG 19	
EUR EP	06 28 42.0
E(S)	29 39.2
BMO E(P)	06 36 06.7
AUG 19	
BMO EP	06 38 51.2
AUG 19	
EUR EP	06 58 09.6
E(S)	58 49.6
AUG 19	
EUR EP	07 27 17.2
E(S)	27 56.8
AUG 19	
H-07 38 53.6	
30.2N 105.7W	
h ABOUT 33KM	
TUC (PN)	07 40 05.2
ALQ IP	07 40 06.0
I	40 18.5
IL	41 30.5
AUG 19	
H-07 51 01.2	
37.4N 114.1W	
h ABOUT 33KM	
BCN EP	07 51 27.3
ES	51 46.6
GCA EP	07 51 36.2
E(S)	52 01.3
EUR EP D	07 51 46.3
ES	52 14.5
AUG 19	
H-07 57 52.3	
37.4N 114.3W	
h ABOUT 33KM	
BCN IP	07 58 16.9
IS	58 36.6
GCA IP C	07 58 26.7
IS	58 52.8
EUR IP	07 58 31.2
AUG 19	
BMO EP	07 57 53.2
AUG 19	
ALQ IP	07 58 46.5
IS	59 51.6
AUG 19	
BMO EPG	08 00 15.4
AUG 19	
BCN EP	08 01 41.1
ES	02 00.9
GCA IP	08 01 51.5
IS	02 18.2

Date and Station	Phase (GCT)
	h m s
AUG 19	
EUR IP D	08 01 56.5
ES	01 36.0
AUG 19	
EUR EP	08 15 07.3
AUG 19	
EUR EP	08 24 00.5
AUG 19	
H-08 38 21.9	
30.3N 105.6W	
h ABOUT 33KM	
ALQ IP	08 39 33.0
I	39 43.5
IL	40 46.0
TUC (PN)	08 39 34.0
AUG 19	
BCN EP	09 09 04.1
ES	09 23.6
GCA EP	09 09 13.6
ES	09 40.2
EUR EP	09 09 18.5
AUG 19	
H-09 21 08.1	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	09 21 33.1
IS	21 53.6
GCA EP	09 21 43.0
ES	22 10.0
EUR IP	09 21 48.2
TUC (PN)	09 22 33.5
ALQ (PN)	09 22 46.0
AUG 19	
BMO EPG	09 23 30.6
AUG 19	
BCN EP	09 38 25.3
EUR EP	09 38 39.6
E(S)	39 19.0
AUG 19	
EUR EP	10 50 49.5
AUG 19	
H-10 51 40.5	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	10 52 05.2
GCA IP C	10 52 14.5
I	52 15.5
EUR IP	10 52 20.1
SLC E(P)	10 52 38.7
I	52 56.7
IL	53 40.3

Date and Station	Phase	(GCT)
		h m s
FGU	IP D	10 52 59.3
	IL	53 17.3
TUC	EP	10 53 05.0
	EL	54 41.0
SLD	EP	10 53 05.5
	I	53 25.0
	IL	54 37.5
ALQ	IP	10 53 18.2
	I	53 38.0
	IL	55 05.5
BMO	IPN	10 53 35.4
BOZ	EP	10 53 45.5
	E	53 52.5
	E(S)	55 47.0
NEW	EP	10 54 20.0
HHM	E	10 54 49.3
	E	57 23.3
	E	57 46.8
BUT	E	10 55 12.8
AUG 19		
EUR	E(P)	10 59 02.5
AUG 19		
BCN	EP	10 59 30.5
	ES	59 50.0
GCA	EP	10 59 40.7
	ES	11 01 06.5
AUG 19		
GCA	EP	11 04 49.0
EUR	EP	11 04 52.0
AUG 19		
GCA	EP	11 04 49.0
	ES	05 13.5
AUG 19		
BCN	E(P)	11 06 54.8
AUG 19		
H-11 17 47.7		
37.3N 114.2W		
h ABOUT 33KM		
BCN	EP D	11 18 12.1
	IS	18 31.7
GCA	IP	11 18 22.5
	IS	18 49.6
EUR	IP	11 18 27.5
FGU	EP	11 19 07.0
	EL	20 25.5
TUC	(PN)	11 19 11.9
ALQ	E(P)	11 19 14.5
	IL	21 10.0
AUG 19		
BMO	EPG	11 20 08.5

Date and Station	Phase	(GCT)
		h m s
AUG 19		
H-11 23 11.0		
53.6N 167.4W		
h ABOUT 23KM		
ADK	IP	11 24 37.5
	IS	25 48.8
	E	38 45.0
COL	EP	11 26 44.0
	IL	29 44.0
SIT	IP	11 27 29.0
	ES	31 06.0
NEW	EP	11 29 34.0
BMO	EP	11 29 47.0
HHM	EP	11 29 48.8
	IPP	29 56.8
	IPP	32 29.3
BOZ	EP	11 30 13.3
	EPP	32 41.0
EUR	EP	11 30 22.5
	I	30 41.3
	EPP	32 44.4
BCN	EP	11 30 48.6
TUC	EP	11 31 27.2
ALQ	IP	11 31 33.2
	IPCP	33 10.5
WSC	EP	11 33 16.0
	E	34 51.0
CSC	E(P)	11 33 26.5
SJG	EP	11 35 33.2
AUG 19		
EUR	EP	11 44 13.3
BCN	E(P)	11 44 16.8
AUG 19		
ADK	IP	11 47 11.4
	ES	48 22.7
AUG 19		
EUR	EP	11 50 45.2
	E(S)	51 26.1
BCN	EP	11 50 49.5
AUG 19		
H-11 52 01.3		
37.4N 114.3W		
h ABOUT 33KM		
BCN	EP	11 52 25.6
	IS	52 45.8
GCA	EP	11 52 35.9
	IS	53 02.5
EUR	EP	11 52 40.3
COL	E(P)	11 59 41.0

Date and Station	Phase	(GCT)
		h m s
AUG 19		
ALQ	E(P)	11 53 13.0
BMO	EPG	11 54 26.9
AUG 19		
H-11 55 58.5		
52.5N 167.1W		
h ABOUT 33KM		
ADK	EP	11 57 25.2
	IS	58 36.6
NEW	EP	12 02 20.0
AUG 19		
ALQ	EP	12 05 56.7
AUG 19		
H-12 22 10.7		
39.2N 041.6E		
h ABOUT 33KM		
COL	EP C	12 33 55.1
	I	34 03.4
	I	35 23.7
	E	37 47.4
	E(S)	43 55.0
ADK	EP	12 34 33.4
PHI	E(P)	12 34 37.5
	ES	45 00.0
WSC	IP	12 34 40.0
	I	38 12.5
SIT	E(P)	12 34 40.5
CHK	E(P)	12 34 59.4
	ES	46 01.8
HHM	IP	12 35 09.8
	I	35 16.8
	E	37 58.3
	ESKS	45 26.8
	E(S)	46 11.8
NEW	IP	12 35 12.6
CSC	E(P)	12 35 12.8
	ESKS	45 42.0
SJG	IP	12 35 18.6
	I	35 23.0
BOZ	IP C	12 35 19.5
	I	35 26.5
	EPP	39 00.0
GUA	E(P)	12 35 22.0
SJG	I(P)	12 35 23.0
BMO	EP	12 35 26.9
SLC	EP	12 35 40.7
	I	35 47.7
EUR	IP	12 35 51.2
GCA	EP	12 35 57.0
	EPP	40 09.0

Date and Station	Phase	(GCT)
		h m s
ALQ	IP	12 35 57.0
	I	40 02.0
	IPP	49 15.4
BCN	E(P)	12 36 06.6
	E	42 12.2
TUC	E(P)	12 36 14.0
	ESKS	47 05.0
BHP	E(P)	12 36 34.0
	E	44 01.5
	E	46 10.5
AUG 19		
SJG	IP	12 30 41.0
	IS	30 54.3
AUG 19		
GCA	EP	12 38 06.0
	ES	38 32.0
EUR	E(P)	12 38 11.0
AUG 19		
ADK	IP	12 41 43.6
	ES	42 51.5
AUG 19		
H-12 41 07.0		
19.7N 073.1W		
h ABOUT 33KM		
BCN	EP	12 48 41.5
HHM	EP	12 49 09.8
BMO	EP	12 49 14.9
NEW	EP	12 49 24.0
COL	EP	12 51 50.0
AUG 19		
H-12 46 23.7		
36.4N 141.8E		
h ABOUT 27KM		
GUA	EP	12 51 27.0
	ES	55 37.0
COL	EP	12 55 14.0
NEW	EP	12 57 37.0
BMO	EP	12 57 46.5
HHM	EP	12 57 46.8
SLD	EP	12 58 00.0
	E	13 00 27.0
BOZ	IP	12 58 05.0
EUR	EP	12 58 10.7
BCN	EP	12 58 26.4
TUC	E(P)	12 58 51.2
ALQ	IP	12 58 57.5
AUG 19		
COL	EP	12 48 24.0

Date and Station	Phase (GCT)
	h m s
AUG 19	
BCN E(P)	12 52 09.5
AUG 19	
COL EP	13 01 09.0
AUG 19	
H-13 14 06.1	
16.3S 167.0E	
h ABOUT 10KM	
COL EP	13 26 54.4
AUG 19	
H-13 15 12.3	
39.4N 041.3E	
h ABOUT 52KM	
HHM EP	13 28 08.8
NEW IP	13 28 11.6
BMO E(P)	13 28 25.4
AUG 19	
ADK EP	13 21 52.5
AUG 19	
ADK EP	13 40 32.0
ES	41 46.4
AUG 19	
ADK IP	13 51 22.5
ES	52 30.5
AUG 19	
H-13 39 42.0	
19.1S 173.6	
h ABOUT 33KM	
BOZ E(P)	13 52 15.5
COL EP	13 52 20.0
NEW EP	13 53 11.0
AUG 19	
COL EP	13 53 33.0
AUG 19	
ADK EP	14 00 33.4
ES	01 46.5
AUG 19	
H-13 54 24.7	
39.0N 041.8E	
h ABOUT 29KM	
COL EP	14 06 10.0
HHM EP	14 07 25.3
NEW EP	14 07 28.0
BOZ IP	14 07 36.5
E	07 50.4
BMO E(P)	14 07 42.9
EUR EP	14 08 08.0
TUC E(P)	14 08 44.1

Date and Station	Phase (GCT)
	h m s
AUG 19	
H-13 55 47.2	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP	13 56 11.2
IS	56 31.2
GCA EP	13 56 21.7
IS	56 48.5
EUR IP C	13 56 26.9
FGU E(P)	13 57 06.0
EL	58 24.8
TUC (PN)	13 57 10.9
ALQ IP	13 57 25.5
IL	59 11.0
AUG 19	
BMO EPG	13 58 11.8
AUG 19	
H-14 03 57.8	
39.2N 41.3E	
h ABOUT 33KM	
HHM EP	14 16 56.3
NEW EP	14 17 00.0
BOZ EP	14 17 06.0
BMO EP	14 17 13.4
AUG 19	
H-14 17 57.0	
39.3N 041.3E	
h ABOUT 44KM	
COL EP	14 29 40.0
HHM IP	14 30 56.3
I	31 06.8
BOZ IP	14 31 03.5
E	31 07.5
BMO EP	14 31 11.4
EUR IP	14 31 35.5
AUG 19	
TUC (PN)	14 26 15.6
AUG 19	
BOZ IP	14 38 53.3
EL	39 06.0
AUG 19	
BCN EP	14 50 43.1
ES	51 03.8
GCA E(P)	14 50 51.6
ES	51 21.0
EUR EP	14 50 58.0
AUG 19	
BCN EP	16 08 36.8
EUR EP	16 08 52.2

Date and Station	Phase (GCT)
	h m s
AUG 19	
SJG IP'	16 30 32.0
AUG 19	
SJG IP	16 40 07.0
IS	40 58.3
AUG 19	
EUR EP	16 54 26.5
ES	55 04.4
AUG 19	
COL E(P)	16 58 36.5
AUG 19	
BCN EP	16 56 05.0
GCA E(P)	16 56 15.0
E(S)	56 38.7
EUR EP	16 56 19.0
E(S)	56 53.5
BOZ IP	16 56 32.0
AUG 19	
ALQ IP	17 13 45.5
I	14 24.5
AUG 19	
EUR EP	17 53 45.2
ALQ IP	17 54 06.8
I	54 40.5
AUG 19	
BMO E(P)	17 56 11.1
AUG 19	
NEW EP	17 57 41.0
AUG 19	
BOZ E(P)	17 59 30.0
AUG 19	
H-18 09 53.2	
37.3N 114.3W	
h ABOUT 33KM	
BCN EP	18 10 17.4
ES	10 37.8
GCA IP C	18 10 27.2
ES	10 53.3
EUR IP	18 10 32.3
BOZ IP	18 12 01.5
E	12 09.0
AUG 19	
ADK EP	18 18 07.0
ES	19 13.6
AUG 19	
H-18 14 33.7	
37.4N 114.2W	
h ABOUT 33KM	
BCN IP C	18 14 59.1
I(S)	15 19.4
GCA IP	18 15 07.5
IS	15 32.2

Date and Station	Phase (GCT)
	h m s
EUR IP	18 15 13.3
TUC (PN)	18 15 57.0
ALQ IP	18 16 12.0
IL	17 58.5
AUG 19	
BMO EPG	18 16 56.4
AUG 19	
NEW EP	18 23 04.0
BOZ EP	18 23 44.0
EUR EP	18 23 53.2
AUG 19	
GCA EP	18 39 57.5
AUG 19	
GCA EP	18 39 57.5
IS	40 24.0
AUG 19	
H-18 41 15.8	
39.2N 041.5E	
h ABOUT 34KM	
HHM E(P)	18 54 01.3
NEW EP	18 54 18.0
BOZ EP	18 54 24.0
BMO EP	18 54 31.8
AUG 19	
ALQ IP	18 51 12.4
I	51 48.2
AUG 19	
ADK EP	18 53 24.6
AUG 19	
GCA E(P)	18 53 45.0
EUR EP	18 53 49.7
AUG 19	
GCA E(P)	18 53 45.0
ES	54 11.5
AUG 19	
SLD IP D	19 16 36.4
IS	17 02.3
AUG 19	
EUR E(P)	20 11 37.5
AUG 19	
ALQ IP	20 19 49.5
I	20 28.6
AUG 19	
ADK IP	20 23 10.3
I	23 53.5
COL E(P)	20 26 03.5
AUG 19	
BOZ EP	20 26 47.5
EL	27 26.2

Date and Station	Phase (GCT) h m s
EUR E(P)	20 28 30.5
E	29 37.2
AUG 19	
BOZ EP	20 29 27.7
E	29 31.2
TUC EP	20 30 41.8
ALQ E(P)	20 31 41.4
I	32 24.8
AUG 19	
ADK EP	20 43 53.2
ES	45 05.0
COL EP	20 46 03.0
AUG 19	
BCN EP	20 57 19.9
ES	57 40.2
GCA E(P)	20 57 29.5
ES	57 56.0
EUR EP	20 57 34.3
IS	58 14.5
AUG 19	
FGU EP	21 28 58.8
EL	29 24.0
AUG 19	
ALQ IP	21 55 40.0
AUG 19	
BCN EP	21 59 07.9
ES	59 27.9
GCA EP	21 59 19.7
IS	59 44.5
AUG 19	
ALQ IP	22 16 26.5
I	17 09.5
AUG 19	
EUR E(P)	22 26 40.5
AUG 19	
SLD IP	22 40 58.0
IS	41 04.2
AUG 19	
SLD IP	22 51 44.9
IS	52 00.0
AUG 19	
EUR EP	23 20 39.5
AUG 20	
ADK IP	00 32 52.8
NEW IP	00 38 34.9
BMO E(P)	00 38 49.0
AUG 20	
ADK IP	00 32 52.8
IS	33 33.0

Date and Station	Phase (GCT) h m s
AUG 20	
SJG EP	00 51 32.8
ES	52 18.0
AUG 20	
GCA EP	01 50 29.5
ES	50 56.0
AUG 20	
BOZ IP	02 12 03.2
AUG 20	
ADK IP	03 31 57.2
IS	33 08.6
COL EP	03 34 05.0
AUG 20	
EUR IP	03 43 15.6
AUG 20	
COL IP	03 47 37.2
AUG 20	
BCN EP	03 44 43.0
ES	45 02.0
GCA EP	03 44 52.8
IS	45 19.8
EUR EP	03 44 58.2
AUG 20	
BOZ EP	03 50 10.6
NEW EP	03 50 26.0
BMO E(P)	03 50 34.5
EUR E(P)	03 50 36.5
AUG 20	
GCA EP	03 50 33.0
ES	50 58.5
AUG 20	
COL EP	04 01 47.0
AUG 20	
BCN EP	04 13 42.7
ES	14 01.7
GCA EP	04 13 52.7
IS	14 19.4
EUR EP	04 13 57.4
AUG 20	
BCN E(P)	04 15 48.7
ES	16 08.7
GCA EP	04 15 58.0
ES	16 24.5
AUG 20	
BCN EP	04 57 58.9
EUR E(P)	04 58 13.5
AUG 20	
GCA EP	05 15 58.2

Date and Station	Phase (GCT) h m s
EUR EP	05 16 03.5
IS	16 43.3
AUG 20	
CSC EP	05 19 53.2
E	22 49.0
AUG 20	
GCA EP	05 15 58.2
ES	16 24.3
AUG 20	
H-06 14 37.4	
10.4S 161.1E	
h ABOUT 44KM	
COL IP	06 27 04.2
EUR IP	06 27 40.2
AUG 20	
H-06 36 02.7	
30.1N 105.5W	
h ABOUT 33KM	
ALQ IP	06 37 15.5
I	37 28.0
IS	38 41.0
TUC EPN	06 37 17.0
EL	38 31.0
EUR I(P)	06 39 12.8
BMO E(P)	06 40 08.0
NEW EP	06 40 41.0
COL E(P)	06 43 59.0
AUG 20	
BCN E(P)	06 41 08.3
AUG 20	
EUR EP	07 42 06.3
E(S)	42 44.5
AUG 20	
H-07 43 27.8	
03.2S 077.3W	
h ABOUT 115KM	
BHP IP C	07 46 20.0
IS	48 40.0
SJG EP	07 48 28.5
IpP	48 55.5
IS	52 37.8
CSC IP	07 50 30.6
EsP	51 18.5
WSC IP	07 51 09.0
EpP	51 36.7
ALQ IP	07 51 49.0
TUC IP D	07 51 53.5
IpP	52 19.7
EPP	53 51.0
GCA EP	07 52 22.0
E	54 06.0

Date and Station	Phase (GCT) h m s
BCN IP D	07 52 30.9
SLC EP	07 52 41.5
I	53 05.3
I	53 17.0
EUR IP D	07 52 52.2
IpP	54 20.0
SLD IP D	07 53 05.3
IpP	53 32.3
IPCP	54 01.0
IpPCP	54 29.0
BOZ IP D	07 53 06.3
IpP	53 34.5
E(S)	08 01 08.0
BUT EP	07 53 09.3
BMO E(P)	07 53 11.0
HHM IP	07 53 27.4
I	54 40.9
NEW IP	07 53 36.6
EpP	54 06.0
COL IP D	07 55 49.8
EpP	56 19.4
E	59 06.7
AUG 20	
FGU E(P)	08 01 02.5
IL	01 34.0
AUG 20	
H-08 22 03.4	
37.3N 114.3W	
h ABOUT 33KM	
BCN EP	08 22 27.2
ES	22 46.8
GCA E(P)	08 22 37.6
ES	23 03.6
EUR IP	08 22 42.0
GCA I(P)	08 23 40.5
IS	24 07.0
AUG 20	
BCN EP	08 23 30.0
IS	23 49.2
ALQ E(P)	08 24 05.0
AUG 20	
H-08 26 50.3	
22.6N 143.1E	
h ABOUT 86KM	
GUA EP	08 29 01.0
E(S)	30 49.0
COL EP	08 36 54.0
E	37 31.0
NEW EP	08 38 50.0
I	39 24.0
BMO E(P)	08 39 00.6
E	39 31.2

Date and Station	Phase (GCT)
	h m s
HHM E(P)	08 39 05.9
E	39 33.9
EUR IP	08 39 12.1
AUG 20	
COL IP	08 36 38.1
AUG 20	
COL E(P)	09 02 52.0
AUG 20	
H-09 32 31.9	
43.1N 140.6E	
h ABOUT 163KM	
GUA EP	09 38 20.0
E(S)	41 28.0
ADK I(P)	09 38 33.5
COL IP D	09 40 27.7
I	41 17.3
ES	46 48.5
EL	50 07.0
SIT IP	09 41 30.0
NEW IP	09 43 04.3
E	43 30.0
HHM IP	09 43 14.4
ES	52 00.4
BMO IP	09 43 17.5
UKI E(P)	09 43 19.2
BOZ IP D	09 43 33.2
IPP	44 14.0
E(S)	52 35.3
SLD IP	09 43 34.2
I	43 44.0
I	43 47.5
EUR IP C	09 43 43.5
IPCP	44 01.0
E	47 44.4
SLC EP	09 43 51.8
IPCP	44 08.5
BCN IP C	09 44 01.0
GCA IP C	09 44 07.3
TUC IP C	09 44 28.1
E(S)	54 23.0
EPKKP	10 03 06.5
ALQ IP	09 44 31.6
IPCP	44 41.5
WSC EP	09 45 19.7
CSC EP	09 45 35.5
E	45 48.0
AUG 20	
FGU EP	09 35 17.0
I(S)	35 48.1
IL	35 49.2

Date and Station	Phase (GCT)
	h m s
AUG 20	
GCA E(P)	10 00 22.0
IS	00 35.5
AUG 20	
ALQ IP	10 03 04.8
AUG 20	
HHM E(P)	10 11 08.9
E	11 29.4
BMO E(P)	10 11 19.7
E	11 30.8
NEW EP	10 11 20.0
AUG 20	
H-10 35 17.4	
37.4N 114.2W	
h ABOUT 33KM	
BCN EP	10 35 42.1
ES	36 01.2
GCA EP	10 35 53.0
IS	36 19.5
EUR EP	10 35 57.4
AUG 20	
H-10 43 42.0	
53.4N 167.2W	
h ABOUT 33KM	
ADK IP	10 45 09.0
ES	46 22.0
COL EP	10 47 16.0
EL	52 00.5
NEW IP	10 50 03.3
HHM EP	10 50 16.4
BMO E(P)	10 50 17.0
BOZ EP	10 50 42.0
EUR IP	10 50 52.1
TUC EP	10 51 56.8
AUG 20	
ALQ EP	10 53 39.2
AUG 20	
BMO EP	11 01 56.7
E	02 05.9
BOZ EP	11 02 13.5
E	02 21.9
EUR E(P)	11 02 21.2
AUG 20	
H-11 31 18.0	
04.1S 102.6E	
h ABOUT 98KM	
HHM EP'	11 50 10.4
BMO EP'	11 50 11.2
BOZ EP'	11 50 17.2

Date and Station	Phase (GCT)
	h m s
EUR EP'	11 50 18.2
WSC EP'	11 50 45.0
AUG 20	
H-11 36 47.9	
37.4N 114.2W	
h ABOUT 33KM	
BCN IP	11 37 13.3
I(S)	37 33.1
GCA EP	11 37 22.5
IS	37 50.0
EUR IP	11 37 27.8
SLC E(P)	11 37 57.8
I	38 03.8
FGU EP	11 38 06.9
IL	39 25.7
TUC EPN	11 38 13.0
ALQ IP	11 38 26.0
I	38 50.0
IL	40 14.4
BMO EPN	11 38 42.9
BOZ E(P)	11 39 02.3
AUG 20	
CED IP	11 38 01.7
ES	38 54.0
AUG 20	
ADK EP	11 43 12.4
IS	43 43.5
AUG 20	
NEW EP	11 42 36.0
AUG 20	
H-11 59 08.8	
39.4N 040.9E	
h ABOUT 12KM	
COL EP	12 10 55.0
E	12 09.0
E	13 29.5
I	16 44.9
ES	20 42.0
WSC EP	12 11 37.9
E	40 11.5
HHM EP	12 12 09.4
E	14 41.9
NEW IP	12 12 12.0
BOZ IP	12 12 19.3
E	12 31.5
E	14 51.8
E(S)	23 28.0
BMO EP	12 12 26.3
EUR E(P)	12 12 50.8
E	15 24.3
EPP	16 59.8
I	18 13.0

Date and Station	Phase (GCT)
	h m s
ALQ I(P)	12 13 04.2
I	15 28.0
I	18 10.0
AUG 20	
H-12 01 43.2	
39.1N 040.7E	
h ABOUT 33KM	
COL E(P)	12 13 29.0
NEW EP	12 14 45.0
BMO E(P)	12 14 58.0
EUR IP	12 15 24.7
AUG 20	
H-12 05 19.2	
42.2N 018.7E	
h ABOUT 33KM	
WSC IP	12 16 23.0
E	25 11.5
NEW EP	12 17 37.0
BMO IP	12 17 52.2
BCN EP	12 18 24.1
SLD EP	12 18 32.8
AUG 20	
GCA E(P)	12 07 41.0
IS	08 08.5
AUG 20	
COL EP	12 25 44.0
BMO E(P)	12 29 28.7
AUG 20	
GCA E(P)	12 57 34.0
I	57 36.5
IS	57 48.5
AUG 20	
GCA E(P)	12 57 34.0
IS	57 48.0
AUG 20	
H-13 08 08.8	
42.0N 018.6E	
h ABOUT 30KM	
BMO E(P)	13 20 43.0
AUG 20	
NEW EP	13 21 22.0
BOZ IP	13 22 04.0
AUG 20	
EUR E(P)	15 23 32.7
AUG 20	
COL E(P)	15 35 01.0
AUG 20	
H-15 58 56.1	
47.1N 152.6E	
h ABOUT 70KM	

Date and Station	Phase	Phase (GCT) h m s
COL	EP	16 05 53.0
BMO	E(P)	16 08 51.3
	E	09 07.0
EUR	EP	16 09 19.5
AUG 20		
EUR	EP	16 13 29.6
	ES	14 09.0
AUG 20		
GCA	EP	16 44 25.2
EUR	EP	16 44 29.4
AUG 20		
GCA	EP	16 44 25.2
	ES	44 51.5
AUG 20		
EUR	EP	17 18 06.9
AUG 20		
ADK	IP	17 21 38.2
	IS	22 01.8
AUG 20		
SJG	IP	17 54 35.5
	IS	55 07.1
AUG 20		
BMO	E(P)	18 02 49.2
AUG 20		
EUR	EP	18 21 49.3
	ES	22 30.3
AUG 20		
BMO	EP	18 30 10.8
AUG 20		
H-19 08 20.5		
42.1N 018.9E		
h ABOUT 25KM		
BMO	EP	19 20 54.5
AUG 20		
COL	EP	19 29 09.0
AUG 20		
ADK	IP	19 57 58.4
	IS	58 22.0
AUG 20		
ALQ	IP	20 27 16.0
	IS	27 28.8
AUG 20		
ADK	EP	20 35 49.8
AUG 20		
SJG	IP	20 53 13.8
	IS	53 55.0
AUG 20		
TUC	(PN)	21 59 02.3
AUG 20		
BMO	E(P)	22 38 44.6
ALQ	EP	22 38 52.0
AUG 20		
COL	EP	22 39 14.0
AUG 20		
H-22 55 00.9		
23.5S 175.9W		
h ABOUT 37KM		
GUA	EP	23 04 15.0
	E(S)	11 52.0
ADK	EP	23 06 40.0
SLD	EP	23 07 05.0
TUC	EP	23 07 26.1
	ES	17 50.0
	E	25 46.0
EUR	EP C	23 07 28.0
	I	07 49.7
	E	22 36.8
	E	25 49.5
BMO	EP	23 07 39.7
	E	22 39.0
	E	25 37.5
ALQ	IP	23 07 48.0
NEW	EP	23 07 51.0
	E	22 39.0
BUT	E(P)	23 07 57.4
BOZ	IP	23 07 59.0
	E	08 11.5
	E	09 52.0
	ESKS	18 30.0
	E	21 21.3
COL	IP	23 08 00.9
	ES	18 56.0
	E	21 26.0
AUG 20		
H-23 13 17.9		
23.5S 175.3W		
h ABOUT 13KM		
EUR	EP	23 25 49.0
ALQ	E(P)	23 26 18.6
COL	EP	23 26 20.0
AUG 20		
SJG	EP	23 16 14.0
	ES	24 14.0
EUR	IP	23 20 21.2
AUG 20		
BCN	EP	23 38 14.3
GCA	E(P)	23 38 26.8
	ES	38 50.9
EUR	IP	23 38 28.6
AUG 20		
H-23 43 28.4		
37.4N 114.2W		
h ABOUT 33KM		
BCN	EP	23 43 53.1
	IS	44 12.8
GCA	IP	23 44 04.0
	IS	44 30.0
EUR	IP	23 44 08.2
ALQ	E(P)	23 45 20.0
AUG 20		
TUC	(PN)	23 46 02.4
BCN	E(P)	23 46 53.3
AUG 21		
H-00 15 03.0		
39.0N 041.9E		
h ABOUT 37KM		
COL	EP	00 26 48.0
HHM	E(P)	00 28 00.7
NEW	EP	00 28 06.0
BMO	EP	00 28 20.3
AUG 21		
BCN	EP	00 24 40.2
AUG 21		
H-01 30 42.9		
40.4N 027.4E		
h ABOUT 12KM		
COL	EP	01 42 28.7
HHM	EP	01 43 21.7
NEW	EP	01 43 27.0
BOZ	IP	01 43 30.2
	EPP	43 38.3
BMO	E(P)	01 43 39.9
ALQ	IP	01 44 02.5
EUR	IP	01 44 02.8
AUG 21		
BCN	EP	01 37 49.7
	ES	38 09.2
AUG 21		
H-02 14 03.0		
23.5S 176.0W		
h ABOUT 47KM		
EUR	I(P)	02 25 32.0
TUC	EP	02 26 27.5
BMO	E(P)	02 26 41.5
ALQ	IP	02 26 49.5
NEW	EP	02 26 53.0
BOZ	EP	02 27 00.0
	E	27 20.3
COL	EP	02 27 02.0
	E	27 13.0
AUG 21		
SLD	IP	02 24 51.1
	I(S)	25 21.0
AUG 21		
H-02 25 06.8		
39.1N 041.7E		
h ABOUT 33KM		
BMO	E(P)	02 38 23.3
AUG 21		
BCN	EP	02 53 36.4
	ES	53 56.8
AUG 21		
H-02 57 25.2		
30.0N 105.6W		
h ABOUT 33KM		
TUC	(PN)	02 58 39.5
ALQ	IP	02 58 40.0
	I	58 55.4
	IL	59 55.0
AUG 21		
BCN	EP	03 26 53.7
	ES	26 12.7
AUG 21		
BCN	EP	03 46 24.4
	ES	46 44.4
AUG 21		
ADK	EP	04 14 33.6
AUG 21		
BCN	EP	04 18 42.5
	ES	18 03.0
AUG 21		
H-05 00 28.6		
08.5N 126.6E		
h ABOUT 79KM		
GUA	EP	05 04 40.0
	ES	07 38.0
ADK	IP	05 10 50.0
BRW	IP C	05 12 19.5
	IPCP	12 30.7
	I	12 44.8
	ES	22 08.8
COL	IP C	05 12 33.1
	IPCP	12 43.0
	EPP	15 35.0
	ES	22 35.0
SIT	E(P)	05 13 09.2
	E(S)	23 32.0
NEW	IP	05 14 10.0
	E	14 21.0
	E	30 47.0
BMO	EP	05 14 15.7

Date and Station	Phase (GCT)
	h m s
SLD EP	05 14 17.0
E	30 20.5
HHM E(P)	05 14 18.2
E	14 31.2
FUR EP C	05 14 30.0
E	14 41.5
E	17 35.0
EPP	18 49.5
E	21 28.3
E	30 12.0
BOZ EP	05 14 30.5
EpP	14 45.4
EPP	18 46.5
ESKS	25 09.0
EPKKP	30 27.0
E	34 22.0
WSC E	05 19 26.5
E	19 38.5
EPP	21 43.5
BHP IP'C	05 20 05.5
SJG IP'	05 20 08.1
IP'	20 13.5
EPP	23 38.5
ESKKS	30 33.0
EPPS	36 50.0
ESS	42 54.0
AUG 21	
COL E(P)	05 07 32.7
ALQ IP	05 15 13.0
I	18 31.0
AUG 21	
ALQ IP	05 29 42.0
I	29 50.0
TUC E(P)	05 29 49.0
E	29 58.5
E	33 48.0
BCN EP	05 30 18.7
ADK EP	05 33 38.0
AUG 21	
BCN E(P)	05 34 58.3
ES	35 17.3
GCA E(P)	05 34 59.5
ES	35 25.0
EUR EP	05 35 03.5
ES	35 51.0
AUG 21	
H-06 04 00.5	
24.0S 175.8W	
h ABOUT 33KM	
TUC E(P)	06 16 35.2
ALQ IP	06 16 48.6
BOZ E(P)	06 17 01.5
COL EP	06 17 03.0

Date and Station	Phase (GCT)
	h m s
AUG 21	
H-06 40 58.1	
51.0N 178.9E	
h ABOUT 33KM	
ADK IP	06 41 43.5
IS	42 20.0
COL EP	06 45 53.0
NEW EP	06 48 34.0
BMO EP	06 48 48.0
BOZ EP	06 49 12.0
EUR IP	06 49 19.8
AUG 21	
ADK EP	07 12 18.5
ES	12 54.0
AUG 21	
EUR IP	07 14 48.0
AUG 21	
BMO E(P)	07 18 11.0
EUR E(P)	07 18 11.6
AUG 21	
COL EP	07 17 18.2
AUG 21	
H-07 29 08.3	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP D	07 29 32.5
IS	29 52.0
GCA IP C	07 29 43.1
EUR IP	07 29 48.0
SLC E(P)	07 30 17.4
CED E(P)	07 30 20.9
IL	31 13.5
FGU EP	07 30 27.0
EL	31 48.0
TUC EPN	07 30 32.9
ALQ IP	07 30 47.0
I	31 08.8
IL	32 34.0
BMO EPN	07 31 03.9
AUG 21	
SLD E(P)	07 30 48.5
EL	32 03.0
BOZ E(P)	07 31 37.9
AUG 21	
NEW EP	07 34 59.0
AUG 21	
BCN EP	07 40 14.0

Date and Station	Phase (GCT)
	h m s
GCA IP	07 40 24.7
ES	40 51.0
EUR EP	07 40 29.2
AUG 21	
H-07 43 22.8	
24.1S 176.6W	
h ABOUT 33KM	
EUR EP	07 55 56.0
BMO E(P)	07 56 08.1
ALQ IP	07 56 15.0
COL EP	07 56 26.3
BOZ IP	07 56 26.4
EL	56 37.5
AUG 21	
BCN EP	08 01 43.1
ES	02 02.4
GCA E(P)	08 01 52.5
IS	02 19.7
EUR EP	08 01 58.2
AUG 21	
BCN EP	08 25 06.3
ES	25 25.5
GCA E(P)	08 25 16.5
ES	25 43.0
EUR EP	08 25 21.7
E(S)	25 57.7
AUG 21	
BOZ IP	08 52 05.4
EL	52 35.0
AUG 21	
GCA E(P)	09 07 39.8
AUG 21	
COL EP	09 13 15.0
AUG 21	
GCA E(P)	09 07 39.8
E(S)	07 54.0
AUG 21	
EUR E(P)	09 15 26.8
AUG 21	
EUR EP	09 33 08.0
ES	33 36.5
SLD E(P)	09 33 20.0
EL	33 54.0
AUG 21	
H-09 39 19.8	
4.1S 079.1W	
h ABOUT 120KM	
ALQ IP	09 47 38.4
IpP	48 12.5
AUG 21	
BCN EP	09 42 30.4

Date and Station	Phase (GCT)
	h m s
GCA E(P)	09 42 39.7
ES	43 10.5
AUG 21	
TUC (PN)	10 52 05.0
AUG 21	
H-11 50 39.4	
42.1N 018.6E	
h ABOUT 24KM	
BMO E(P)	12 03 14.5
AUG 21	
GCA EP	11 54 15.2
EUR EP	11 54 20.2
E(S)	54 53.5
AUG 21	
GCA EP	11 54 15.2
ES	54 41.5
AUG 21	
COL IP	12 16 32.0
BMO EP	12 19 05.0
AUG 21	
EUR E(P)	12 41 55.0
AUG 21	
GCA EP	13 39 58.2
EUR EP	13 40 02.0
E(S)	40 40.5
AUG 21	
GCA EP	13 39 58.2
ES	40 24.5
AUG 21	
GCA E(P)	13 54 58.5
ES	55 24.0
AUG 21	
COL IP	16 35 05.9
AUG 21	
BMO E(P)	16 46 58.1
EUR IP	16 47 32.2
AUG 21	
EUR E(P)	17 06 47.5
AUG 21	
COL EP	17 17 18.0
AUG 21	
ALQ EP	18 01 30.8
AUG 21	
BCN EP	18 18 43.4
ES	19 02.5
GCA EP	18 18 53.5
IS	19 20.0
EUR IP D	18 18 58.5
ES	18 46.2
ALQ E(P)	18 20 06.0

Date and Station	Phase	(GCT) h m s
AUG 21		
H-18 33 05.0		
27.3N 140.2E		
h ABOUT 512KM		
BRW	IP C	18 41 54.2
COL	EP	18 42 09.0
NEW	IP	18 44 10.9
BMO	EP	18 44 19.0
BOZ	EP	18 44 35.2
EUR	EP	18 44 36.8
ALQ	EP	18 45 18.0
AUG 21		
EUR	EP	18 50 53.0
AUG 21		
SJG	EP	19 12 10.0
ALQ	EP	19 15 27.0
AUG 21		
BRW	EP	19 16 45.6
BOZ	EP	19 16 46.0
AUG 21		
COL	IP	19 17 22.9
BMO	EP	19 19 55.8
AUG 21		
BCN	EP	19 52 57.6
	ES	53 17.6
GCA	E(P)	19 53 08.0
	ES	53 33.5
EUR	EP	19 53 13.0
AUG 21		
EUR	EP	20 21 54.8
GCA	E(P)	20 22 50.4
	ES	23 17.4
AUG 21		
H-20 25 36.3		
28.9N 132.0E		
h ABOUT 34KM		
GUA	EP	20 30 02.0
	E(S)	33 53.0
BRW	EP	20 35 20.5
COL	EP C	20 35 42.0
SIT	E(P)	20 36 31.6
NEW	EP	20 37 51.0
HHM	EP	20 38 01.2
BMO	EP	20 38 01.4
BUT	EP	20 38 11.7
BOZ	IP	20 38 15.7
	EpP	38 26.5
EUR	IP	20 38 21.5
TUC	EP	20 38 57.3
AUG 21		
H-20 44 50.5		
40.5N 119.6W		
h ABOUT 33KM		
EUR	EPN	20 45 35.0
SLD	E(P)	20 45 56.0
	EL	46 43.5
AUG 21		
BOZ	E(P)	20 47 06.0
AUG 21		
GCA	IP C	21 18 20.0
	IS	18 46.0
AUG 21		
EUR	IP	21 26 29.7
AUG 21		
GCA	E(P)	22 09 09.0
	ES	09 33.8
AUG 21		
EUR	IP	22 17 51.0
AUG 21		
EUR	E(P)	22 34 31.3
AUG 21		
COL	IP	22 35 42.2
AUG 21		
H-22 36 35.7		
39.2N 041.5E		
h ABOUT 33KM		
BOZ	E(P)	22 49 44.5
AUG 21		
BCN	EP	23 43 35.1
	ES	43 54.6
GCA	EP	23 43 45.5
	ES	44 12.0
EUR	IP	23 43 47.9
AUG 22		
GCA	EP	00 24 49.3
EUR	IP	00 24 53.5
AUG 22		
GCA	EP	00 24 49.3
	IS	25 15.7
AUG 22		
EUR	E(P)	00 46 25.0
AUG 22		
GCA	EP	01 37 59.5
EUR	IP	01 38 05.1
BMO	EPG	01 39 48.9
AUG 22		
GCA	EP	01 37 59.5
	IS	38 25.5
AUG 22		
EUR	EP	02 01 42.0
AUG 22		
TUC	(PN)	02 06 10.5
AUG 22		
GCA	EP	02 53 47.5
EUR	IP	02 53 52.0
	I(S)	53 30.3
AUG 22		
GCA	EP	02 53 47.5
	ES	54 14.0
AUG 22		
GCA	E(P)	03 17 13.3
EUR	EP	03 17 18.3
	E(S)	17 58.5
AUG 22		
GCA	E(P)	03 17 13.3
	ES	17 39.2
AUG 22		
ALQ	IP	03 20 47.0
	I	21 14.2
AUG 22		
GCA	EP	03 27 03.2
EUR	EP	03 27 09.0
	E(S)	27 49.1
AUG 22		
GCA	EP	03 27 03.2
	ES	27 30.3
AUG 22		
GCA	EP	03 46 35.0
	IS	47 00.6
EUR	IP	03 46 38.6
AUG 22		
BOZ	E(P)	03 52 11.0
	E	52 17.5
	EL	52 56.0
AUG 22		
ADK	EP	04 09 18.5
	ES	09 58.0
EUR	E(P)	04 16 51.0
AUG 22		
ADK	EP	04 09 18.5
	ES	09 58.0
AUG 22		
GCA	E(P)	04 18 52.2
EUR	EP	04 18 56.5
	E(S)	19 30.6
AUG 22		
GCA	E(P)	04 18 52.2
	ES	19 19.1
AUG 22		
EUR	EP	05 13 52.3
AUG 22		
ADK	EP	05 32 44.0
	ES	33 14.0
AUG 22		
BCN	E(P)	06 19 20.5
GCA	E(P)	06 19 31.5
	ES	19 57.0
EUR	EP	06 19 35.9
	E(S)	20 25.4
AUG 22		
BCN	EP	07 23 16.1
	ES	23 35.7
GCA	EP	07 23 27.5
	ES	23 53.5
AUG 22		
GCA	EP	07 56 01.5
	ES	56 32.5
EUR	EP	07 56 11.2
	E(S)	56 52.0
AUG 22		
COL	E(P)	08 15 41.2
AUG 22		
GCA	E(P)	08 18 45.5
	ES	19 11.5
EUR	EP	08 18 50.0
AUG 22		
H-08 27 30.2		
37.3N 114.2W		
h ABOUT 33KM		
BCN	IP D	08 27 53.9
	I	30 51.7
GCA	IP C	08 28 04.0
	IS	28 31.0
EUR	IP	08 28 09.7
CED	IP	08 28 31.5
	I	28 42.5
	IL	29 34.9
SLC	E(P)	08 28 37.3
	I	29 32.8
FGU	IP	08 28 48.9
	IL	30 05.0
TUC	IP C	08 28 54.3
	EL	30 30.0
SLD	EP	08 28 55.0
	IL	30 27.0
ALQ	IP	08 29 08.0
BMO	EPN	08 29 25.1

Date and Station	Phase (GCT)
	h m s
BOZ EP	08 29 36.5
E	30 16.9
EL	31 49.0
BUT EP	08 29 38.7
NEW EP	08 30 11.0
COL EP	08 34 16.0
AUG 22	
GCA E(P)	08 39 32.5
EUR EP	08 39 37.5
E(S)	40 19.0
AUG 22	
H-08 48 30.3	
37.3N 114.2W	
h ABOUT 33KM	
BCN EP D	08 48 55.7
IS	49 15.9
GCA IP C	08 49 05.6
IS	49 31.9
EUR IP	08 49 10.9
TUC (PN)	08 49 53.0
ALQ E(P)	08 50 03.5
AUG 22	
BMO EPG	08 50 52.4
AUG 22	
ALQ EP	08 57 56.8
AUG 22	
COL IP	09 03 47.3
AUG 22	
EUR E(P)	09 09 04.8
AUG 22	
COL EP	09 18 47.4
AUG 22	
BCN EP	09 39 17.8
ES	39 37.8
GCA EP	09 39 27.5
ES	39 54.0
EUR EP	09 39 33.5
AUG 22	
BCN EP	10 07 22.5
E(S)	07 42.6
GCA IP C	10 07 32.1
ES	07 58.3
EUR EP D	10 07 37.8
AUG 22	
H-10 37 17.3	
37.4N 114.2W	
h ABOUT 33KM	
BCN IP D	10 37 42.6
IS	38 01.8

Date and Station	Phase (GCT)
	h m s
GCA EP	10 37 51.5
IS	38 18.0
EUR IP	10 37 57.7
CED EP	10 38 19.5
I	38 30.5
IL	39 22.5
SLC E(P)	10 38 25.8
I	38 33.3
I	38 36.8
FGU EP	10 38 36.1
EL	39 55.0
TUC EPN	10 38 42.2
ALQ IP	10 38 56.0
I	39 18.4
IL	40 46.0
BMO EPN	10 39 12.4
BOZ EP	10 39 27.0
AUG 22	
ADK IP	10 41 47.5
IS	41 59.0
AUG 22	
NEW EP	10 43 05.0
AUG 22	
BCN E(P)	10 44 56.7
AUG 22	
ALQ EP	10 52 08.5
AUG 22	
H-11 10 11.9	
54.2N 164.0W	
h ABOUT 36KM	
ADK EP	11 12 09.3
ES	13 37.5
COL EP	11 13 23.0
BRW E(P)	11 14 20.9
NEW EP	11 16 14.0
BMO EP	11 16 29.9
E	16 39.8
BOZ EP	11 16 55.1
EUR IP	11 17 05.2
BCN E(P)	11 17 31.5
E	17 41.3
TUC E(P)	11 18 11.5
E	18 21.2
AUG 22	
BCN EP	11 23 44.0
ES	24 04.0
GCA EP	11 23 54.0
ES	24 22.0
EUR EP	11 23 59.6

Date and Station	Phase (GCT)
	h m s
AUG 22	
BCN EP	11 25 42.6
ES	26 02.8
GCA EP	11 25 52.2
IS	26 19.0
AUG 22	
BCN E(P)	12 02 56.7
GCA EP	12 03 06.8
ES	03 33.0
AUG 22	
BCN EP	12 10 02.9
ES	10 23.3
GCA EP	12 10 11.5
ES	10 38.0
EUR EP	12 10 16.4
ES	10 56.0
AUG 22	
ADK EP	12 34 46.9
ES	35 13.2
AUG 22	
BCN EP	12 49 23.9
ES	49 43.3
GCA EP	12 49 34.3
ES	50 00.5
EUR IP D	12 49 39.0
AUG 22	
BCN EP	13 03 16.4
ES	03 36.1
GCA EP	13 03 27.0
ES	03 53.8
EUR IP D	13 03 31.7
E(S)	04 12.6
AUG 22	
BCN EP	13 11 43.6
ES	12 03.1
GCA EP	13 11 53.5
ES	12 20.4
EUR EP	13 11 58.3
AUG 22	
GCA E(P)	13 14 52.0
ES	15 18.5
AUG 22	
H-13 28 54.0	
37.4N 114.1W	
h ABOUT 33KM	
BCN IP D	13 29 18.7
IS	29 38.5
GCA EP	13 29 29.0
ES	29 56.0
EUR IP	13 29 34.6
SLC E(P)	13 30 06.3
I	30 58.7

Date and Station	Phase (GCT)
	h m s
CED E(P)	13 30 07.3
E(S)	31 00.5
TUC (PN)	13 30 18.6
AUG 22	
ALQ IP	13 30 55.0
I	32 20.0
AUG 22	
BMO EPG	13 31 16.9
BOZ E(P)	13 31 31.0
AUG 22	
COL EP	13 35 17.0
AUG 22	
COL EP	13 48 19.8
IL	48 46.3
BRW E(P)	13 49 19.4
AUG 22	
GCA EP	13 56 09.0
ES	56 34.0
AUG 22	
H-14 21 14.0	
50.3N 147.7E	
h ABOUT 630KM	
BRW EP	14 26 56.0
E	28 40.1
COL IP C	14 27 23.1
I	27 36.5
E	29 07.8
E	32 17.4
SIT E(P)	14 28 28.0
NEW IP	14 30 08.7
I	30 51.0
HHM IP	14 30 18.7
I	30 58.7
BMO IP	14 30 23.8
BOZ IP	14 30 39.0
E▸P	32 41.3
SLD IP C	14 30 44.5
I	31 14.5
E▸P	32 47.5
EUR IP C	14 30 52.2
I	31 20.0
I▸P	32 55.5
SLC EP	14 30 59.9
I▸P	33 03.8
BCN IP C	14 31 11.7
I▸P	33 16.3
TUC IP C	14 31 40.5
E▸P	33 48.0
ALQ IP	14 31 42.5
I▸P	33 50.5

Date and Station	Phase	(GCT) h m s
AUG 22		
ADK	EP	14 28 55.8
AUG 22		
BRW	IP	14 29 23.4
AUG 22		
BRW	IP	14 32 08.5
COL	IP	14 32 17.3
AUG 22		
EUR	E(P)	14 54 51.3
AUG 22		
EUR	EP	14 58 41.0
AUG 22		
H-15 16 37.2		
51.3N 179.6W		
h ABOUT 57KM		
ADK	IP	15 17 08.5
	IS	17 35.6
COL	E(P)	15 21 21.0
BMO	E(P)	15 24 16.6
EUR	EP	15 24 48.3
BOZ	E(P)	15 25 40.6
AUG 22		
COL	E(P)	15 21 04.5
EUR	EP	15 21 49.5
AUG 22		
EUR	E(P)	16 39 51.4
BCN	E(P)	16 40 49.4
	E	41 08.4
AUG 22		
H-17 00 57.5		
22.5S 070.3W		
h ABOUT 62KM		
SJG	EP	17 08 29.0
ALQ	IP	17 11 43.5
	IPP	11 59.4
TUC	EP	17 11 45.8
EUR	EP	17 12 35.0
	IPP	12 51.5
	E	16 21.0
BOZ	EP	17 12 48.7
	EPP	13 12.0
BMO	EP	17 12 59.8
	EPP	13 16.7
HHM	E(P)	17 13 05.2
	E(S)	13 12.0
COL	E(P)	17 14 47.0

Date and Station	Phase	(GCT) h m s
AUG 22		
H-17 02 04.2		
1.8S 134.2E		
h ABOUT 17KM		
GUA	EP	17 06 22.0
	ES	09 57.0
BRW	E(P)	17 14 44.3
EUR	IP'	17 20 38.1
BHP	EP'D	17 21 43.5
SJG	EP'	17 21 56.5
AUG 22		
ALQ	IP	17 34 49.6
	I	35 25.0
AUG 22		
H-17 42 09.9		
22.4S 170.6E		
h ABOUT 36KM		
GUA	EP	17 50 14.0
	ES	56 42.0
ADK	EP	17 53 48.0
SLD	E(P)	17 54 46.5
BCN	IP	17 55 14.2
EUR	IP C	17 55 17.1
	I	55 24.2
	E	55 50.5
	IPP	59 03.7
TUC	EP	17 55 20.0
	E	55 30.5
	ESKS	18 06 05.0
BMO	EP	17 55 24.9
	EPKKP	18 12 28.3
	E	13 13.7
ALQ	EP	17 55 45.0
	E	58 37.0
BOZ	EP	17 55 45.5
	E	18 12 28.0
SJG	IP'	18 01 10.5
AUG 22		
NEW	EP	17 58 54.0
AUG 22		
H-19 05 42.7		
37.3N 114.2W		
h ABOUT 33KM		
BCN	IP D	19 06 06.4
GCA	EP	19 06 17.0
	IS	06 44.2
EUR	IP	19 06 22.2
SLC	E(P)	19 06 50.3
	IL	07 44.5

Date and Station	Phase	(GCT) h m s
TUC	EP	19 07 07.0
	EL	08 43.0
ALQ	IP	19 07 22.0
	IL	09 07.5
BMO	EPN	19 07 37.5
BOZ	E(P)	19 07 55.0
AUG 22		
SLD	E(P)	19 07 28.0
	EL	08 35.0
AUG 22		
NEW	EP	19 11 28.0
AUG 22		
ADK	EP	19 59 36.6
	ES	20 00 02.8
AUG 22		
ADK	IP	20 19 12.5
	IS	19 35.7
COL	IP	20 22 47.7
BMO	E(P)	20 25 57.4
EUR	IP C	20 26 17.4
AUG 22		
ADK	IP	20 19 12.5
	IS	19 35.7
AUG 22		
H-20 31 57.2		
22.5S 170.6E		
h ABOUT 33KM		
EUR	IP	20 45 07.0
BMO	E(P)	20 45 13.1
AUG 22		
EUR	E(P)	20 51 47.7
AUG 22		
HHM	E(P)	21 42 38.2
	E	43 10.7
BOZ	E(P)	21 42 51.0
	EL	43 40.0
AUG 22		
H-21 49 17.2		
71.8N 011.5W		
h ABOUT 33KM		
COL	EP	21 56 57.0
BMO	EP	21 58 31.0
	E	58 51.5
EUR	E(P)	21 59 15.5
AUG 22		
ALQ	IP	21 51 02.0
	I	51 36.2
AUG 22		
BOZ	IP	22 07 29.9
	EL	07 43.2

Date and Station	Phase	(GCT) h m s
HHM	E(P)	22 07 55.7
	E	08 36.7
AUG 22		
ALQ	IP	22 27 40.0
	I	28 27.0
AUG 22		
ALQ	IP	22 59 31.8
	I	59 56.0
AUG 22		
ADK	EP	23 11 10.4
	IS	11 26.5
AUG 22		
NEW	EP	23 37 30.0
AUG 22		
H-23 53 05.8		
24.0N 122.6E		
h ABOUT 57KM		
NEW	IP	24 06 02.0
BMO	EP	24 06 11.0
AUG 23		
BMO	EP	00 23 54.6
AUG 23		
COL	EP	00 55 08.0
AUG 23		
ALQ	EP	01 46 36.1
BOZ	E(P)	01 47 20.0
EUR	EP	01 47 35.5
NEW	EP	01 48 22.0
AUG 23		
EUR	EP	02 03 36.1
AUG 23		
BCN	E(P)	02 14 07.5
AUG 23		
EUR	EP	02 25 01.2
	E(S)	25 44.5
AUG 23		
H-02 41 11.1		
07.6S 107.0E		
h ABOUT 33KM		
BMO	EP'	03 00 12.6
BOZ	EP'	03 00 19.4
AUG 23		
EUR	IP	03 03 38.5
AUG 23		
ADK	IP	03 37 06.7
AUG 23		
GCA	E(P)	03 39 43.7
	ES	40 08.5
EUR	EP	03 39 47.0
	E(S)	39 29.7

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	h m s
AUG 23	
ADK IP	03 37 06.7
AUG 23	
TUC E(P)	03 54 18.0
ALQ IP	03 54 53.8
EUR IP	03 55 54.8
BOZ EP	03 56 44.0
BMO EP	03 56 44.8
AUG 23	
ADK EP	05 42 51.0
ES	43 27.9
AUG 23	
H-05 46 31.1	
27.6N 139.8E	
h ABOUT 491KM	
BRW EP	05 55 20.6
NEW IP	05 57 38.7
BMO EP	05 57 46.7
EUR IP	05 58 04.7
AUG 23	
H-06 07 36.1	
12.4N 088.2W	
h ABOUT 39KM	
BOZ IP	06 14 58.0
EpP	15 11.1
BMO E(P)	06 15 14.6
AUG 23	
ALQ IP	06 31 50.5
I	32 18.4
AUG 23	
H-06 48 44.7	
49.3N 128.5W	
h ABOUT 33KM	
NEW EP	06 50 35.0
BMO EP	06 50 51.4
E	51 48.1
HHM E(P)	06 51 02.6
BOZ IP	06 51 36.2
EUR IP	06 51 53.8
TUC E(P)	06 53 35.0
BRW E(P)	06 54 11.5
AUG 23	
SJG IP	07 44 59.8
IS	45 28.0
AUG 23	
EUR E(P)	08 29 07.3
AUG 23	
COL EP	08 57 24.0
AUG 23	
BCN E(P)	09 42 01.6
E	42 20.4
GCA E(P)	09 42 11.8
ES	42 37.2
EUR EP	09 42 16.8
E(S)	43 02.0
AUG 23	
BCN EP	12 31 04.7
ES	31 24.3
GCA EP	12 31 15.0
ES	31 41.5
EUR EP	12 31 20.5
E(S)	31 57.0
BMO E(P)	12 33 02.0
AUG 23	
BCN EP	12 52 00.4
ES	52 19.4
GCA IP C	12 52 11.0
IS	52 37.1
EUR EP C	12 52 15.8
ALQ IP	12 53 28.0
I	53 40.5
I	55 05.0
BMO E(P)	12 53 59.7
AUG 23	
BCN EP	12 54 11.2
ES	54 30.7
GCA IP	12 54 22.0
IS	54 48.3
EUR IP D	12 54 27.2
AUG 23	
BCN IP	13 51 33.0
IS	51 34.0
AUG 23	
H-15 02 55.5	
51.8N 157.2E	
h ABOUT 111KM	
COL EP	15 09 00.0
BMO EP	15 12 11.1
E	12 43.4
BOZ IP	15 12 29.4
EUR IP	15 12 42.4
AUG 23	
EUR E(P)	15 48 13.0
AUG 23	
BCN EP	15 51 24.5
ES	51 43.4
GCA EP	15 51 35.3
ES	52 00.7
EUR EP	15 51 39.7
BMO EPG	15 53 23.5
AUG 23	
ALQ IP	17 01 17.0
I	01 56.0
AUG 23	
ALQ IP	17 05 19.0
I	05 49.0
GCA E(P)	17 05 29.9
ES	05 58.0
AUG 23	
BCN EP	17 49 13.3
E(S)	49 32.8
GCA IP	17 49 24.0
ES	49 50.6
AUG 23	
BOZ IP	18 18 05.4
HHM E(P)	18 18 38.1
E	19 12.1
AUG 23	
H-18 22 17.3	
23.8N 123.3E	
h ABOUT 41KM	
GUA IP	18 27 19.0
ES	31 21.0
BRW EP	18 32 50.3
COL EP	18 33 14.6
NEW IP	18 35 16.5
I	35 34.0
HHM IP	18 35 23.6
I	35 40.6
BMO EP	18 35 24.8
BOZ IP	18 35 37.1
E(PP)	39 35.7
EUR IP	18 35 43.2
AUG 23	
ALQ E(P)	18 39 21.0
I	39 38.2
EUR IP	18 39 30.0
AUG 23	
ALQ IP	19 10 43.0
I	11 17.6
AUG 23	
ADK EP	19 13 05.3
AUG 23	
H-19 13 19.5	
52.0N 176.3E	
h ABOUT 48KM	
ADK EP	19 14 25.5
BMO EP	19 21 17.7
E	21 41.0
BOZ EP	19 21 39.5
EUR EP	19 21 49.7
AUG 23	
EUR EP	20 15 41.5
AUG 23	
EUR E(P)	20 24 35.0
AUG 23	
EUR EP	21 30 46.0
E(S)	30 36.0
AUG 23	
BOZ IP	21 52 22.3
HHM E(P)	21 52 56.1
E	53 39.6
E	55 55.6
AUG 23	
ALQ IP	22 27 54.0
I	28 35.4
AUG 23	
BOZ IP	22 28 42.1
EL	28 50.5
AUG 23	
H-22 35 02.7	
16.2S 173.2W	
h ABOUT 33KM	
TUC EP	22 46 52.2
EUR IP	22 46 53.2
BMO IP	22 47 05.5
E	47 18.7
ALQ IP	22 47 16.6
NEW EP	22 47 17.0
COL IP	22 47 26.1
BOZ IP	22 47 26.4
E	47 35.4
AUG 23	
COL EP	22 59 19.0
AUG 23	
BCN EP	23 01 51.4
IS	02 10.9
GCA EP	23 02 02.8
IS	02 28.8
EUR EP	23 02 07.3
ALQ IP	23 03 30.5
I	04 51.0
AUG 23	
COL IP	23 44 07.3
AUG 23	
TUC (PN)	23 56 15.7

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AUG 24		
SLD	IP D	23 58 13.0
	IS	58 16.8
AUG 24		
COL	EP	00 22 49.0
AUG 24		
H-00 50 47.5		
51.9N 176.2W		
h ABOUT 59KM		
ADK	IP	00 50 57.2
	IS	51 04.7
BRW	E(P)	00 55 32.3
NEW	EP	00 57 53.0
BMO	E(P)	00 58 08.0
	EpP	58 20.8
BOZ	EP	00 58 33.0
	EpP	58 45.5
EUR	EP	00 58 40.1
	IpP	58 52.6
TUC	E(P)	00 59 41.4
	E	59 54.0
AUG 24		
GUA	EP	01 01 52.3
AUG 24		
BCN	EP	01 05 27.6
	ES	05 46.9
GCA	EP	01 05 34.2
	ES	06 03.3
EUR	IP	01 05 41.8
BMO	E(P)	01 07 25.7
AUG 24		
H-01 51 09.2		
30.0S 177.5W		
h ABOUT 33KM		
TUC	EP	02 04 01.1
	E	04 09.5
EUR	IP	02 04 05.9
BMO	EP	02 04 17.6
	E	04 31.7
BOZ	E(P)	02 04 34.0
AUG 24		
ALQ	EP	02 15 23.5
AUG 24		
H-02 20 49.3		
19.0S 177.6W		
h ABOUT 443KM		
BMO	E(P)	02 32 19.8
	E	32 32.3
EUR	IP	02 32 22.2
TUC	EP	02 32 23.0
ALQ	E(P)	02 32 43.5
COL	IP	02 32 43.9
BOZ	EP	02 32 51.0
AUG 24		
H-02 46 58.4		
37.4N 073.0E		
h ABOUT 38KM		
COL	EP	02 58 26.0
AUG 24		
COL	IP	02 59 35.3
AUG 24		
GUA	IP	03 05 20.0
	IS	05 33.4
AUG 24		
BMO	EP	03 17 44.6
AUG 24		
GCA	E(P)	04 23 38.0
	IS	24 21.8
EUR	EP	04 23 43.7
	E(S)	24 21.8
AUG 24		
H-04 32 39.9		
36.9N 073.5E		
h ABOUT 182KM		
COL	EP	04 43 55.0
AUG 24		
BOZ	E(P)	04 43 58.0
AUG 24		
H-04 54 31.0		
37.4N 114.2W		
h ABOUT 33KM		
BCN	IP D	04 54 55.9
	IS	55 15.9
EUR	I(P)	04 55 02.2
GCA	IP	04 55 06.6
	IS	55 32.9
SLC	E(P)	04 55 43.1
	I	56 13.4
	IL	56 18.9
TUC	EPN	04 55 58.0
ALQ	IP	04 56 10.8
	I	56 31.0
	IL	57 56.0
BMO	EPN	04 56 27.0
BOZ	E(P)	04 56 43.5
	E	58 13.0
AUG 24		
BCN	E(P)	04 57 02.1
	IS	57 21.1
GCA	I(P)	04 57 12.0
	IS	57 38.0
AUG 24		
NEW	EP	05 00 22.0
AUG 24		
BMO	EP	05 32 53.5
AUG 24		
GCA	EP	06 28 42.9
	ES	29 09.2
EUR	EP	06 28 47.6
	ES	29 23.0
AUG 24		
H-06 51 15.9		
30.0N 068.6E		
h ABOUT 33KM		
COL	IP	07 03 30.7
AUG 24		
BOZ	EP	07 09 43.0
AUG 24		
H-07 17 17.6		
19.9S 069.1W		
h ABOUT 100KM		
BHP	EP D	07 23 25.0
SJG	IP	07 24 25.5
	IpP	24 48.5
	IsP	25 01.8
	IS	30 05.0
	IsS	30 46.8
CSC	IP	07 26 39.8
	EpP	27 04.5
	ES	34 10.0
	E	34 56.0
WSC	IP	07 27 09.5
	IpP	27 35.0
	IsP	27 53.0
TUC	IP D	07 27 52.0
	IpP	28 17.0
	I	28 28.2
	ES	36 29.0
GCA	IP D	07 28 17.3
	EpP	28 42.0
	EsP	28 53.3
BCN	IP D	07 28 22.4
	IpP	28 47.8
SLC	EP	07 28 33.6
	IpP	28 59.3
EUR	IP D	07 28 42.0
	IpP	29 07.7
	E	33 16.0
SLD	IP	07 28 51.0
	IpP	29 16.4
BOZ	IP D	07 28 54.5
	IpP	29 19.5
	I	29 39.5
BUT	EP	07 29 00.0
BMO	IP	07 29 06.8
	IpP	29 32.8
HHM	IP	07 29 12.1
	IpP	29 37.2
NEW	IP	07 29 20.1
	IpP	29 47.0
COL	EP	07 31 05.0
	E	35 09.0
GUA	EP'	07 36 47.5
	E	37 17.0
AUG 24		
ALQ	EP	07 27 20.2
	I	27 49.5
	IS	30 53.0
AUG 24		
BCN	E(P)	07 44 57.1
	E	45 15.5
GCA	EP	07 45 08.1
	IS	45 34.5
EUR	E(P)	07 45 13.5
AUG 24		
H-08 27 19.8		
37.3N 114.3W		
h ABOUT 33KM		
BCN	EP	08 27 43.1
	EL	28 02.5
GCA	EP	08 27 55.0
	IS	28 21.9
EUR	IP	08 28 00.5
ALQ	E(P)	08 28 47.5
	I	29 25.0
	I	30 45.0
AUG 24		
TUC	(PN)	08 29 03.7
BMO	EPG	08 29 42.4
AUG 24		
SJG	IP	08 30 48.5
	IS	31 12.0
AUG 24		
BCN	EP	08 45 45.3
	EL	46 04.9
GCA	EP	08 45 57.0
	ES	46 23.7
EUR	IP	08 46 02.1
	E(S)	46 45.0
AUG 24		
EUR	EP	09 38 33.8
BMO	E(P)	09 38 36.7
AUG 24		
BCN	E(P)	10 15 16.1
	EL	15 35.4

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GCA E(P)	10 15 27.5
ES	15 53.9
EUR EP	10 15 32.8
E(S)	16 13.5
AUG 24	
BCN EP	10 20 26.1
EL	20 46.0
GCA EP	10 20 38.5
ES	21 05.4
EUR EP	10 20 43.7
E(S)	21 26.5
AUG 24	
BMO E(P)	11 07 13.3
AUG 24	
BCN E(P)	11 31 22.0
EL( )	31 40.5
GCA EP	11 31 33.5
ES	32 00.0
EUR E(P)	11 31 38.7
E(S)	32 19.2
AUG 24	
BCN EP	11 33 29.5
E(L)	33 54.4
GCA E(P)	11 33 44.8
ES	34 13.0
AUG 24	
BCN E(P)	11 47 00.7
E(L)	47 18.9
GCA E(P)	11 47 13.5
ES	47 37.8
EUR EP	11 47 17.0
COL EP	11 51 33.0
AUG 24	
H-12 08 24.4	
24.3S 067.2W	
h ABOUT 178KM	
ALQ EP	12 19 17.5
AUG 24	
EUR EP	12 13 52.5
AUG 24	
EUR E(P)	12 15 25.4
AUG 24	
SJG EP	13 56 58.0
AUG 24	
ALQ EP	13 59 29.3
BOZ E(P)	14 00 55.0
AUG 24	
BCN EP	14 17 17.2
EL	17 35.3
EUR IP	14 17 33.6
ALQ EP	14 18 54.5
I	20 18.0
AUG 24	
BHP IP	14 44 04.0
AUG 24	
H-15 41 01.4	
07.7S 074.3W	
h ABOUT 142KM	
ALQ IP	15 49 59.8
BOZ EP	15 51 14.0
BMO E(P)	15 51 28.4
AUG 24	
COL IP	15 54 25.6
ALQ IP	15 58 25.6
AUG 24	
BOZ EP	16 46 38.2
AUG 24	
BOZ IP	17 31 27.5
HHM E(P)	17 31 58.6
E	32 34.1
AUG 24	
BOZ IP	18 01 27.0
HHM E(P)	18 02 00.1
E	02 33.1
AUG 24	
BOZ IP	18 16 42.0
HHM E(P)	18 17 10.1
E	17 44.6
AUG 24	
EUR IP	18 18 33.8
AUG 24	
H-18 22 34.8	
37.3N 114.2W	
h ABOUT 33KM	
BCN EP	18 22 58.1
IL	23 17.8
GCA EP	18 23 10.0
IS	23 36.2
EUR IP	18 23 15.0
ALQ E(P)	18 24 28.0
AUG 24	
H-20 10 08.6	
01.5S 077.5W	
h ABOUT 200KM	
SJG IP	20 14 52.0
I	15 09.6
ALQ IP	20 18 09.8
IpP	18 52.6
EUR EP	20 19 13.9
BOZ IP	20 19 27.0
IpP	20 11.5
BMO E(P)	20 19 43.0
EpP	20 27.8
AUG 24	
BMO E(P)	20 34 30.9
AUG 24	
NEW EP	21 09 24.0
EUR EP	21 10 10.0
AUG 24	
EUR E(P)	21 36 30.5
BMO E(P)	21 37 49.8
ALQ IP	21 37 54.6
I	38 29.6
AUG 24	
BOZ IP	21 54 09.5
I	54 20.5
HHM E(P)	21 54 41.1
E	55 14.1
AUG 25	
ALQ IP	00 08 08.0
I	08 31.0
AUG 25	
H-00 32 49.1	
32.2N 132.3E	
h ABOUT 31KM	
COL E(P)	00 42 45.0
NEW EP	00 44 52.0
HHM EP	00 44 59.4
BMO EP	00 45 01.0
EUR E(P)	00 45 21.7
AUG 25	
BCN E(P)	00 36 52.6
EL	37 10.7
GCA EP	00 37 00.0
ES	37 28.2
AUG 25	
GCA IP	00 57 52.9
EUR EP	00 57 57.6
E(S)	58 30.7
AUG 25	
GCA IP	00 57 52.9
ES	58 19.3
AUG 25	
BMO E(P)	01 50 39.7
AUG 25	
BOZ EP	01 54 05.3
E	54 23.5
AUG 25	
COL EP	02 41 07.0
AUG 25	
ALQ IP	02 58 27.5
I	59 33.0
AUG 25	
BCN EP	03 00 15.4
IL	00 34.9
AUG 25	
H-03 00 46.1	
37.3N 114.2W	
h ABOUT 33KM	
LVN P	03 01 10.0
BCN EP D	03 01 10.1
IL	02 30.2
GCA IP	03 01 21.0
IS	01 47.3
EUR IP	03 01 25.9
SLC E(P)	03 01 58.2
E	02 06.1
TUC EPN	03 02 10.2
ALQ IP	03 02 20.5
I	02 47.0
I	04 11.0
BMO EPN	03 02 41.3
AUG 25	
BOZ E(P)	03 03 17.0
AUG 25	
BCN IP	03 09 17.9
IL	09 37.4
AUG 25	
H-03 09 48.9	
37.3N 114.3W	
h ABOUT 33KM	
BCN IP D	03 10 12.5
IL	10 32.3
LVN P	03 10 13.0
GCA IP C	03 10 23.5
IS	10 49.0
EUR IP	03 10 28.5
SLC E(P)	03 11 00.6
E	11 10.9
TUC EPN	03 11 13.0
ALQ EP	03 11 30.6
I	13 13.5
BMO EPN	03 11 44.2
AUG 25	
EUR EP	04 19 43.0
AUG 25	
BMO E(P)	04 33 25.4

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		h m s
AUG 25		
COL	EP	05 14 26.0
AUG 25		
EUR	E(P)	06 59 45.7
AUG 25		
ALQ	EP	07 20 27.9
AUG 25		
COL	EP	07 33 04.0
AUG 25		
ALQ	E(P)	10 39 26.0
AUG 25		
COL	EP	11 43 23.8
AUG 25		
H-11 45 45.3		
18.9S 173.8W		
h ABOUT 33KM		
TUC	E(P)	11 57 47.5
EUR	IP	11 57 50.2
BMO	E(P)	11 58 02.0
ALQ	EP	11 58 11.2
BOZ	EP	11 58 21.2
COL	EP	11 58 23.0
AUG 25		
EUR	IP	11 50 39.5
BCN	EP	11 50 42.5
AUG 25		
BCN	E(P)	15 00 00.1
GCA	EP	15 00 10.4
	IS	00 36.7
EUR	IP	15 00 15.5
AUG 25		
H-15 45 49.4		
37.4N 114.2W		
h ABOUT 33KM		
BCN	EP	15 46 15.0
	ES	46 35.0
GCA	EP	15 46 24.0
	IS	46 51.4
EUR	IP	15 46 29.0
ALQ	EP	15 47 30.0
	I	47 49.5
AUG 25		
BOZ	E(P)	16 06 17.5
AUG 25		
TUC	(PN)	16 15 44.0
AUG 25		
GUA	EP	16 34 48.7
AUG 25		
BMO	IP	16 45 52.7
BOZ	EP	16 46 11.0
AUG 25		
ADK	IP	17 46 43.3
	IS	47 18.8
AUG 25		
ALQ	IP	17 54 43.2
	I	55 17.6
AUG 25		
BOZ	EP	18 37 15.6
AUG 25		
BCN	E(P)	19 15 30.5
	ES	15 51.0
AUG 25		
H-19 30 06.6		
37.3N 114.2W		
h ABOUT 33KM		
BCN	E(P)	19 30 30.0
GCA	EP	19 30 42.7
	IS	31 08.2
EUR	IP	19 30 47.2
TUC	(PN)	19 31 24.2
ALQ	E(P)	19 31 47.0
	I	32 12.0
	I	33 32.4
BMO	EPN	19 32 02.7
AUG 25		
COL	EP	19 34 50.0
BOZ	EP	19 38 03.0
AUG 25		
SJG	IP	19 57 24.5
AUG 25		
BOZ	EP	20 06 49.5
	E	07 03.0
AUG 25		
BMO	EP	21 05 45.6
	E	05 55.0
AUG 25		
BOZ	EP	21 31 04.5
	E	31 10.0
AUG 25		
H-22 20 34.5		
22.6S 068.6W		
h ABOUT 113KM		
BMO	EP	22 32 35.4
	EpP	33 04.5
AUG 25		
ALQ	IP	22 29 11.2
	I	29 19.0
	IS	31 20.0
AUG 25		
ALQ	IP	23 11 21.4
	I	11 46.2
AUG 25		
H-23 18 51.0		
22.4S 068.6W		
h ABOUT 112KM		
BHP	EP D	23 25 18.0
SJG	EP	23 26 15.5
	IpP	26 43.0
	IsP	26 55.0
	IS	32 25.5
	IsS	33 03.0
ALQ	IP	23 29 36.5
	I	30 15.0
TUC	IP D	23 29 38.9
BCN	EP	23 30 10.1
EUR	IP D	23 30 27.2
	IPCP	30 40.0
	EPP	33 10.5
BOZ	EP	23 30 39.5
	E	31 10.5
BMO	IP	23 30 51.6
	EpP	31 20.9
HHM	IP	23 30 56.9
NEW	EP	23 31 03.0
AUG 25		
ALQ	IP	23 27 55.0
AUG 25		
BCN	E(P)	23 38 16.2
TUC	(PN)	23 38 39.0
AUG 25		
H-23 42 54.7		
37.6N 115.1E		
h ABOUT 33KM		
COL	EP	23 52 55.5
BMO	EP	23 55 29.0
	E	55 56.4
EUR	EP	23 55 56.0
AUG 25		
H-23 59 01.3		
10.3S 161.2E		
h ABOUT 91KM		
COL	IP	24 11 21.0
EUR	IP	24 11 57.1
BMO	EP	24 11 57.2
BCN	EP	24 11 58.2
NEW	IP	24 12 01.7
TUC	EP	24 12 10.0
ALQ	IP	24 12 27.4
AUG 26		
H-00 15 49.8		
22.5S 068.6W		
h ABOUT 118KM		
ALQ	IP	00 26 35.2
BMO	EP	00 27 50.3
	E	28 19.0
AUG 26		
H-00 51 54.1		
27.8S 176.9W		
h ABOUT 83KM		
BCN	IP	01 04 29.5
TUC	IP C	01 04 31.5
	EpP	04 47.0
EUR	IP C	01 04 35.0
	I	04 55.4
BMO	EP	01 04 47.0
SLC	EP	01 04 51.0
	E	05 01.9
	E	05 21.1
ALQ	IP	01 04 51.0
	IpP	05 07.4
NEW	EP	01 04 57.0
HHM	E(P)	01 05 03.7
BOZ	IP	01 05 05.0
	IpP	05 19.0
COL	EP	01 05 07.0
AUG 26		
SJG	IP	01 20 38.5
	IS	20 54.5
AUG 26		
COL	E(P)	02 30 10.3
BMO	EP	02 32 44.9
EUR	EP	02 33 09.7
AUG 26		
H-02 56 22.3		
07.0S 130.2E		
h ABOUT 72KM		
ALQ	IP'	03 15 08.5
	I	16 39.0
	I	20 02.0
AUG 26		
H-03 05 17.5		
29.0S 067.3W		
h ABOUT 122KM		
EUR	IP	03 17 25.2
BMO	E(P)	03 17 47.9
AUG 26		
TUC	E(P)	03 19 38.8

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	h m s
EUR IP	03 19 39.1
BMO EP	03 19 50.6
E	20 08.9
BOZ IP	03 20 10.0
I	20 29.7
COL IP	03 20 11.0
AUG 26	
EUR IP	04 12 52.9
AUG 26	
H-04 27 03.4	
35.9N 140.7E	
h ABOUT 49KM	
COL EP	04 35 58.0
EUR E(P)	04 38 52.5
ALQ EP	04 39 42.8
AUG 26	
H-05 56 22.6	
38.1N 008.5W	
h ABOUT 20KM	
HHM E(P)	06 07 45.2
BOZ EP	06 07 46.0
E	09 02.5
COL EP	06 07 51.0
NEW EP	06 07 57.0
BMO E(P)	06 08 06.5
EUR EP	06 08 24.7
AUG 26	
HHM EP	07 03 30.7
COL E(P)	07 03 41.5
AUG 26	
ADK IP	07 13 06.3
IS	13 13.1
AUG 26	
ADK EP	08 12 13.8
ES	12 56.7
BMO E(P)	08 19 10.3
EUR EP	08 19 42.7
AUG 26	
ADK EP	08 12 13.8
ES	12 56.7
AUG 26	
H-08 42 37.5	
15.4N 093.5W	
h ABOUT 112KM	
ALQ IP	08 47 31.0
I	48 20.4
TUC EP	08 47 36.0
E	48 07.0

Date and Station	Phase (GCT)
	h m s
EUR E(P)	08 48 48.0
BOZ EP	08 49 09.5
BMO E(P)	08 49 26.0
E	49 47.2
AUG 26	
BCN E(P)	08 48 42.5
AUG 26	
H-09 06 47.5	
22.1S 170.1E	
h ABOUT 12KM	
GUA EP	09 14 52.0
ES	21 19.0
BCN E(P)	09 19 55.2
COL EP	09 19 58.0
EUR I(P)	09 20 04.6
BMO E(P)	09 20 06.6
TUC E(P)	09 20 08.0
SJG EP'	09 25 53.0
AUG 26	
BMO E(P)	09 37 10.6
AUG 26	
COL EP	09 44 29.0
AUG 26	
H-10 19 35.6	
66.9N 162.6W	
h ABOUT 33KM	
COL IP	10 21 07.2
EL	22 34.0
SIT E(P)	10 23 23.0
NEW EP	10 25 41.0
HHM EP	10 25 46.2
E	36 02.7
BMO IP	10 26 05.0
BOZ IP D	10 26 18.7
I	26 24.5
EUR EP	10 26 50.0
E	27 04.0
EPCP	29 07.2
SLC EP	10 26 53.2
BCN IP D	10 27 19.2
ALQ IP	10 27 51.2
TUC EP	10 27 57.3
AUG 26	
NEW EP	10 23 20.0
AUG 26	
BMO EP	10 51 43.1

Date and Station	Phase (GCT)
	h m s
AUG 26	
ALQ EP	11 11 13.2
AUG 26	
H-12 01 17.7	
07.3S 147.6E	
h ABOUT 64KM	
COL EP	12 13 53.0
AUG 26	
BOZ EP	12 03 43.5
EL	03 55.5
EUR IP	12 04 49.0
AUG 26	
H-13 28 13.2	
22.1S 169.8E	
h ABOUT 48KM	
EUR E(P)	13 41 23.6
AUG 26	
H-13 32 26.5	
22.3S 169.8E	
h ABOUT 64KM	
COL E(P)	13 45 31.1
AUG 26	
H-14 37 26.3	
13.7S 076.8W	
h ABOUT 50KM	
BOZ EP	14 48 19.5
BMO E(P)	14 48 28.1
COL E(P)	14 50 42.1
AUG 26	
COL EP	14 45 21.5
AUG 26	
ADK EP	14 45 55.8
ES	46 23.7
AUG 26	
ADK IP	14 49 43.6
IS	50 01.3
AUG 26	
BOZ EP	15 25 59.5
EL	26 08.0
AUG 26	
EUR IP	15 47 59.6
AUG 26	
BOZ E(P)	16 07 42.5
AUG 26	
GCA EP	16 55 28.7
ES	55 55.2
AUG 26	
BCN EP	17 01 07.0
ES	01 27.0
GCA EP	17 01 18.0
IS	01 44.4
EUR IP	17 01 23.0

Date and Station	Phase (GCT)
	h m s
AUG 26	
ALQ IP	17 16 41.0
I	17 17.0
AUG 26	
BOZ IP	18 10 33.0
IL	10 44.0
AUG 26	
BOZ IP	18 37 16.0
IL	37 26.5
AUG 26	
BOZ EP	19 53 02.5
EL	53 19.5
AUG 26	
H-21 53 38.7	
37.3N 114.1W	
h ABOUT 33KM	
BCN EP	21 54 02.2
ES	54 21.7
GCA EP	21 54 12.5
EUR EP	21 54 17.6
AUG 26	
ALQ IP	21 54 25.0
I	55 42.0
IS	57 03.0
BMO EPG	21 56 00.2
AUG 26	
ALQ E(P)	21 54 44.5
AUG 26	
BOZ EP	22 06 50.5
EL	07 01.5
AUG 26	
BOZ EP	22 07 43.0
EL	07 52.5
AUG 26	
EUR EP	22 17 17.2
AUG 26	
H-22 24 48.6	
23.4S 175.9W	
h ABOUT 61KM	
COL EP	22 37 46.0
AUG 26	
ALQ IP	22 32 01.0
I	33 10.0
IS	37 31.5
AUG 26	
H-22 53 40.0	
24.9S 067.9W	
h ABOUT 96KM	
ALQ EP	23 04 42.2
E	05 13.0
AUG 26	
COL IP	23 27 03.6
AUG 27	
TUC E(P)	02 06 13.0

Date and Station	Phase (GCT)
	h m s
AUG 27	
H-02 36 33.2	
3.2N 128.1E	
h ABOUT 172KM	
GUA EP	02 40 49.0
ES	44 24.0
BMO E(P)	02 50 18.0
EUR I(P)	02 50 22.6
BOZ EP'	02 54 42.5
E	55 09.5
ALQ IP'	02 54 59.8
I	56 05.0
AUG 27	
H-03 02 32.7	
23.7S 175.7W	
h ABOUT 60KM	
TUC E(P)	03 14 53.4
EUR IP	03 14 58.2
BMO E(P)	03 15 09.8
ALQ EP	03 15 17.0
BOZ EP	03 15 27.3
E	15 40.5
COL EP	03 15 30.5
AUG 27	
ALQ EP	03 14 47.0
AUG 27	
H-04 35 48.1	
5.8N 126.0E	
h ABOUT 116KM	
GUA EP	04 40 17.0
ES	44 11.0
COL IP	04 48 02.0
NEW IP	04 49 35.5
BMO EP	04 49 41.0
EUR EP'	04 54 03.5
ALQ IP'	04 54 20.0
AUG 27	
BOZ E(P)	04 53 15.0
AUG 27	
COL E(P)	08 14 36.1
AUG 27	
BCN EP	09 47 25.0
ES	47 44.5
EUR (PN)	09 47 40.0
AUG 27	
H-10 27 49.9	
17.9S 178.4W	
h ABOUT 547KM	
BCN E(P)	10 39 06.9
EUR IP	10 39 12.0
TUC EP	10 39 13.5
BMO EP	10 39 21.0
NEW EP	10 39 30.0
COL EP	10 39 30.0
BOZ EP	10 39 40.3
AUG 27	
ALQ IP	10 59 30.6
AUG 27	
ALQ EP	11 23 30.5
AUG 27	
H-11 23 55.3	
11.7N 140.7E	
h ABOUT 76KM	
GUA EP	11 25 02.1
NEW IP	11 36 44.4
BMO EP	11 36 48.4
E	36 57.5
EUR EP	11 37 00.8
AUG 27	
H-12 12 23.2	
16.1N 086.1W	
h ABOUT 36KM	
ALQ EP	12 17 56.0
EUR IP	12 19 14.9
AUG 27	
ALQ IP	12 39 18.0
I	39 56.5
AUG 27	
H-12 58 56.8	
39.4N 141.1E	
h ABOUT 99KM	
COL E(P)	13 07 29.5
BMO EP	13 10 02.3
EpP	10 25.7
BOZ EP	13 10 18.0
EpP	10 42.0
EUR EP	13 10 26.6
ALQ IP	13 11 14.5
IpP	11 38.5
AUG 27	
EUR IP	13 10 50.2
AUG 27	
BCN EP	13 26 01.2
ES	26 21.6
EUR EP	13 26 16.0
AUG 27	
TUC (PN)	13 49 41.0
AUG 27	
COL IP	14 21 17.0
AUG 27	
EUR IP	14 39 06.2
AUG 27	
SJG IP	15 06 58.2
IS	07 31.5
AUG 27	
H-15 16 34.1	
19.3S 067.6W	
h ABOUT 246KM	
EUR E(P)	15 27 45.0
BMO EP	15 28 09.4
BMO E(P)	15 29 08.4
AUG 27	
H-15 31 49.5	
37.3N 114.3W	
h ABOUT 33KM	
BCN IP	15 32 13.6
IS	32 33.1
GCA IP	15 32 25.7
IS	32 52.0
EUR IP	15 32 29.5
FGU EP	15 33 09.0
IL	34 29.8
TUC EPN	15 33 13.5
BMO EPN	15 33 44.7
AUG 27	
H-15 42 52.3	
10.8S 079.0W	
h ABOUT 33KM	
COL EP	15 55 54.0
AUG 27	
BCN EP	15 46 10.3
E(S)	46 29.3
AUG 27	
H-17 10 44.8	
13.9N 123.6E	
h ABOUT 16KM	
GUA E(P)	17 15 18.0
ES	19 19.0
AUG 27	
H-17 51 48.2	
26.1S 179.6E	
h ABOUT 510KM	
TUC EP	18 03 46.0
AUG 27	
BOZ IP	18 22 42.7
IL	22 51.5
AUG 27	
BCN EP	18 52 12.4
ES	52 31.6
GCA EP	18 52 24.0
IS	52 50.0
EUR EP	18 52 27.7
E(S)	53 13.0
BMO E(P)	18 54 10.5
AUG 27	
ALQ EP	19 17 22.0
AUG 27	
BCN E(P)	19 21 01.0
AUG 27	
BMO E(P)	20 25 55.2
AUG 27	
UKI E(P)	21 19 26.3
AUG 27	
BOZ E(P)	22 06 06.5
EL	06 22.5
AUG 27	
ALQ IP	22 39 30.0
I	39 55.0
AUG 28	
EUR EP	01 03 40.0
AUG 28	
TUC E(P)	01 32 04.0
AUG 28	
BCN EP	01 48 18.2
AUG 28	
SJG E(P)	01 57 43.5
ES	58 18.0
AUG 28	
TUC (PN)	02 26 50.2
AUG 28	
BOZ EP	03 05 03.0
EL	05 47.5
AUG 28	
H-04 09 21.8	
36.6N 138.2E	
h ABOUT 7KM	
NEW EP	04 20 48.0
BMO EP	04 21 00.4
E	21 15.7
BOZ EP	04 21 16.0
E	22 00.0
EUR IP	04 21 24.1
AUG 28	
GUA EP	04 14 51.0
ES	18 41.0

Date and Station	Phase (GCT)
	h m s
AUG 28	
H-04 18 10.4	
42.2N 018.8E	
h ABOUT 22KM	
COL EP	04 29 38.0
BOZ EP	04 30 30.5
BMO EP	04 30 44.2
AUG 28	
H-04 54 53.6	
37.3N 114.3W	
h ABOUT 33KM	
LVN P	04 55 15.0
BCN EP	04 55 18.8
ES	55 38.4
GCA EP	04 55 30.5
IS	55 56.0
EUR IP	04 55 33.8
TUC (PN)	04 56 18.2
ALQ E(P)	04 56 47.0
AUG 28	
ALQ IP	04 56 52.5
I	58 21.0
AUG 28	
COL IP	05 14 33.7
AUG 28	
NEW EP	05 43 15.0
E	44 14.0
E	47 23.0
AUG 28	
TUC (PN)	05 51 32.7
AUG 28	
NEW EP	06 00 06.0
AUG 28	
BOZ EP	06 03 04.0
AUG 28	
H-07 29 35.6	
35.9S 178.5E	
h ABOUT 120KM	
ADK IP	07 42 10.0
SLD IP C	07 42 32.3
EUR IP D	07 42 47.1
I	42 55.1
EPP	46 49.2
E	59 27.0
BMO EP	07 43 04.5
EpP	43 43.3
BOZ IP	07 43 21.5
I	43 42.5
IPP	47 35.0
EPKKP	59 19.5
COL EP	07 43 24.0

Date and Station	Phase (GCT)
	h m s
SJG IP'	07 48 15.0
ISKP	51 37.0
WSC EP'	07 48 17.0
ESKP	51 36.0
AUG 28	
TUC E(P)	07 40 57.0
I	42 47.0
ALQ IP	07 41 32.0
IS	44 55.0
BCN EP	07 42 03.0
E	42 47.2
E	43 05.9
HHM E(P)	07 44 07.7
COL E(P)	07 47 40.3
AUG 28	
BMO E(P)	07 59 17.3
E	59 27.5
EUR EP	07 59 26.7
AUG 28	
BOZ EP	09 03 57.0
EL	04 06.0
AUG 28	
H-10 03 02.2	
4.6S 155.3E	
h ABOUT 501KM	
GUA IP	10 07 09.0
E	09 17.0
ADK IP	10 12 29.0
IpP	14 14.0
COL IP D	10 14 22.8
IPCP	14 30.0
IpP	16 15.7
ES	23 45.5
SIT E(P)	10 14 34.5
SLD IP D	10 14 58.9
IpP	16 50.5
BMO IP	10 15 15.0
NEW IP	10 15 17.2
IpP	17 13.0
EUR IP D	10 15 18.9
I	15 31.7
EpP	17 12.8
ESKS	25 31.3
EPKKP	32 32.0
BCN IP	10 15 22.4
EpP	17 18.2
EPP	19 09.7
HHM IP	10 15 26.2
IpP	17 22.7
BOZ IP D	10 15 34.0
IpP	17 26.5
ESKS	25 25.0
EPKKP	32 24.5

Date and Station	Phase (GCT)
	h m s
TUC EP	10 15 36.6
IpP	17 29.6
EPKKP	32 23.7
ALQ IP	10 15 52.0
IpP	17 46.0
WSC EP'	10 20 58.0
CSC EP'D	10 21 04.0
SJG EP'	10 21 18.4
ISKP	24 17.0
AUG 28	
BMO EP	10 17 07.4
AUG 28	
COL EP	10 23 44.0
AUG 28	
SJG E(P)	10 34 49.5
IL	35 14.5
AUG 28	
BMO E(P)	10 31 16.5
E	31 33.1
ALQ E(P)	10 32 15.0
I	32 41.0
AUG 28	
HHM EP	10 32 28.2
BMO E(P)	10 33 16.3
AUG 28	
BMO E(P)	10 40 11.0
E	40 35.7
EUR EP	10 40 19.2
AUG 28	
H-10 43 01.6	
36.4N 070.9E	
h ABOUT 180KM	
COL IP C	10 54 21.9
EpP	55 06.3
AUG 28	
NEW EP	10 56 50.0
AUG 28	
BMO E(P)	11 00 09.7
NEW EP	11 00 42.0
AUG 28	
TUC E(P)	11 13 06.4
AUG 28	
COL EP	11 41 59.0
AUG 28	
H-12 02 55.4	
38.1N 023.0E	
h ABOUT 39KM	
BMO E(P)	12 15 50.9
AUG 28	
NEW EP	13 20 22.0

Date and Station	Phase (GCT)
	h m s
AUG 28	
H-13 21 13.5	
18.7S 175.6W	
h ABOUT 176KM	
BCN EP	13 32 59.7
TUC EP	13 33 05.2
EUR IP	13 33 05.8
BMO EP	13 33 16.7
E	34 13.1
NEW IP	13 33 26.8
ALQ IP	13 33 28.0
I	34 22.5
COL IP D	13 33 34.0
E	33 16.3
BOZ IP	13 33 35.5
I	34 33.0
AUG 28	
H-13 29 15.4	
51.8N 176.8E	
h ABOUT 66KM	
ADK IP	13 30 17.0
IS	31 55.2
COL E(P)	13 34 09.5
NEW EP	13 36 55.0
E	38 53.0
BMO E(P)	13 37 09.5
BOZ EP	13 37 32.0
EUR IP	13 37 42.0
TUC E(P)	13 38 40.3
ALQ EP	13 38 48.5
AUG 28	
NEW EP	13 38 04.0
E	38 18.0
AUG 28	
H-14 53 54.7	
37.3N 114.2W	
h ABOUT 33KM	
BCN EP	14 54 18.6
ES	54 38.4
GCA EP	14 54 31.0
IS	54 57.0
EUR IP	14 54 34.8
TUC (PN)	14 55 17.0
ALQ I(P)	14 55 45.0
IL	57 19.5
AUG 28	
BMO EPG	14 56 16.4

Date and Station	Phase	(GCT) h m s
AUG 28		
COL	EP	15 12 26.0
AUG 28		
H-15 36 16.5		
36.7N 138.2E		
h ABOUT 5KM		
COL	EP	15 45 19.0
NEW	IP	15 47 44.7
BMO	EP	15 47 55.2
BOZ	IP	15 48 11.4
EUR	IP	15 48 18.5
BCN	EP	15 48 35.0
AUG 28		
ADK	IP	15 49 35.0
	IS	49 49.5
COL	EP	15 53 55.0
AUG 28		
SJG	IP	15 56 26.5
	IL	56 57.5
AUG 28		
EUR	IP	15 57 24.3
AUG 28		
H-16 44 25.4		
23.5S 179.7E		
h ABOUT 629KM		
TUC	EP	16 56 05.2
EUR	IP	16 56 06.0
BMO	EP	16 56 15.9
ALQ	EP	16 56 25.3
AUG 28		
H-18 56 20.5		
13.9N 120.8E		
h ABOUT 119KM		
COL	IP	19 08 07.5
AUG 28		
H-19 35 56.6		
19.8N 064.2W		
h ABOUT 60KM		
SJG	IP	19 36 35.0
ALQ	EP	19 43 30.1
BOZ	EP	19 44 21.2
BMO	EP	19 44 48.0
NEW	IP	19 44 52.4
AUG 28		
H-20 03 34.7		
35.7N 139.8E		
h ABOUT 66KM		
COL	EP	20 12 32.0
NEW	IP	20 14 51.9
HHM	EP	20 15 03.2
BMO	EP	20 15 04.1
	E	15 24.1
BUT	EP	20 15 15.3
BOZ	EP	20 15 20.5
EUR	IP	20 15 26.9
AUG 28		
SJG	IP C	20 36 35.0
	IS	37 06.5
AUG 28		
H-22 30 54.9		
2.3N 128.5E		
h ABOUT 70KM		
COL	EP	22 43 25.0
EUR	E(P)	22 45 19.9
ALQ	EP'	22 49 33.8
AUG 29		
BOZ	EP	00 28 22.5
	EL	29 03.0
AUG 29		
SLD	IP	02 07 02.0
	IS	07 15.4
TUC	(PN)	02 07 17.8
AUG 29		
TUC	(PN)	02 12 42.9
AUG 29		
TUC	(PN)	02 33 42.5
AUG 29		
BOZ	E(P)	02 51 43.5
AUG 29		
COL	EP	04 01 30.0
EUR	EP	04 05 04.0
AUG 29		
GUA	E(P)	04 48 32.0
AUG 29		
GCA	E(P)	05 02 20.0
	ES	02 45.3
AUG 29		
COL	EP	05 34 02.0
AUG 29		
COL	EP	05 41 47.5
BOZ	IP	05 44 41.5
AUG 29		
H-05 48 08.6		
18.5S 071.6W		
h ABOUT 26KM		
SJG	EP	05 55 13.0
TUC	E(P)	05 58 35.6
EUR	IP	05 59 28.2
BUT	EP	05 59 45.6
BMO	EP	05 59 53.9
AUG 29		
EUR	EP	06 17 50.0
AUG 29		
GCA	EP	06 29 45.5
	ES	30 10.5
AUG 29		
EUR	EP	06 44 48.4
AUG 29		
H-08 05 20.0		
20.6S 069.1W		
h ABOUT 113KM		
ALQ	E(P)	08 16 54.2
BMO	EP	08 17 11.9
	EpP	17 39.8
AUG 29		
EUR	EP	09 32 44.3
AUG 29		
COL	IP	09 37 24.0
AUG 29		
BMO	E(P)	10 32 33.4
AUG 29		
BMO	E(P)	10 40 53.4
AUG 29		
EUR	EP	10 47 33.9
	E(S)	48 14.7
AUG 29		
TUC	(PN)	11 23 58.5
AUG 29		
H-12 10 25.4		
33.0N 137.8E		
h ABOUT 337KM		
COL	E(P)	12 19 17.0
BMO	EP	12 21 43.2
EUR	E(P)	12 22 03.5
AUG 29		
H-13 10 27.1		
64.8S 177.9E		
h ABOUT 33KM		
BOZ	EP'	13 29 15.0
HHM	EP'	13 29 20.4
AUG 29		
H-13 28 18.7		
46.6N 152.6E		
h ABOUT 52KM		
COL	EP	13 35 21.0
HHM	E(P)	13 38 17.4
BMO	IP	13 38 18.6
	EpP	38 32.4
BOZ	IP	13 38 36.5
	IpP	38 51.5
EUR	EP	13 38 46.2
	IpP	39 00.7
BCN	EP	13 39 04.7
	IpP	39 18.7
TUC	E(P)	13 39 35.0
	E	39 44.0
ALQ	IP	13 39 41.0
	IpP	39 55.0
AUG 29		
SJG	E(P)	14 21 41.0
AUG 29		
SJG	E(P)	14 30 37.5
EUR	E(P)	14 36 39.3
BMO	E(P)	14 36 50.6
AUG 29		
SJG	IP	14 35 39.0
	IS	36 05.0
AUG 29		
BOZ	EP	16 12 11.0
	EL	12 21.5
AUG 29		
SLD	IP D	17 30 29.3
	IS	30 42.2
AUG 29		
SLD	IP D	17 33 00.5
	IS	33 14.5
AUG 29		
H-17 35 22.3		
13.3N 090.9W		
h ABOUT 33KM		
BMO	EP	17 42 45.0
AUG 29		
BOZ	IP	17 37 46.0
	IL	37 54.5
AUG 29		
BOZ	EP	17 58 14.5
	EL	58 27.5
AUG 29		
ADK	IP	18 24 12.8
	IS	24 38.5
AUG 29		
BOZ	IP	18 37 51.5
	IL	38 03.0
AUG 29		
ALQ	IP	18 40 11.0
	I	40 48.0

Date and Station	Phase (GCT)
	h m s
AUG 29	
TUC E(P)	19 14 49.0
AUG 29	
H-19 31 24.6	
6.8N 082.2W	
h ABOUT 33KM	
BHP IP D	19 32 18.0
IS	33 27.0
SJG EP	19 35 50.0
ES	39 35.0
ALQ IP	19 38 23.5
I	39 52.0
TUC IP	19 38 31.3
EPP	40 04.5
BCN EP D	19 39 13.4
EUR EP	19 39 34.6
EPCP	41 27.5
BOZ IP	19 39 49.5
BUT EP	19 39 52.5
BMO EP	19 40 05.9
E	20 04 06.3
HHM EP	19 40 14.3
NEW EP	19 40 22.0
COL EP	19 42 57.0
AUG 29	
BCN EP	19 54 13.4
AUG 29	
BHP IP C	19 56 19.5
IS	57 01.0
AUG 29	
SJG IP	20 52 21.8
IS	52 50.0
AUG 29	
H-21 06 58.2	
23.3N 108.0W	
h ABOUT 33KM	
TUC E(P)	21 09 12.5
EL	11 23.0
ALQ IP	21 09 48.0
IL	13 07.5
EUR IP	21 11 02.8
BMO EP	21 11 58.5
BOZ E(P)	21 12 03.5
HHM E(P)	21 12 24.9
AUG 29	
SJG IP	21 14 24.0
IS	14 50.0

Date and Station	Phase (GCT)
	h m s
AUG 29	
ALQ IP	22 00 00.0
I	00 33.0
BCN EP	22 00 58.5
AUG 29	
BOZ IP	22 02 34.5
IL	02 46.5
HHM EP	22 03 05.9
AUG 29	
H-22 22 36.3	
37.3N 114.2W	
h ABOUT 33KM	
BCN EP	22 23 00.0
GCA IP	22 23 11.0
IS	23 37.5
EUR IP	22 23 16.2
TUC EP	22 24 00.6
ALQ I(P)	22 24 09.0
I	24 39.0
IL	26 00.5
AUG 29	
BMO EPG	22 25 03.2
AUG 29	
H-22 30 22.0	
56.3N 153.2W	
h ABOUT 31KM	
COL EP	22 32 32.1
E	34 09.4
EL	35 11.0
HHM EP	22 35 44.4
BMO EP	22 35 46.8
EUR IP	22 36 26.5
BCN EP	22 36 55.5
TUC EP	22 37 37.2
AUG 29	
ALQ IP	22 37 20.8
AUG 29	
EUR EP	22 48 04.2
AUG 29	
ALQ IP	23 07 12.0
I	08 13.0
AUG 29	
BCN EP	23 33 00.5
GCA E(P)	23 33 10.0
IS	33 36.5
EUR EP	23 33 14.1
E(S)	33 47.5
AUG 29	
EUR IP	23 57 43.9

Date and Station	Phase (GCT)
	h m s
BOZ E(P)	23 58 36.5
E	59 12.0
AUG 29	
BCN EP	23 58 49.3
GCA IP C	23 59 00.3
IS	59 26.3
ALQ EP	24 00 16.5
I	01 52.0
AUG 30	
ADK IP	24 07 10.7
AUG 30	
BOZ E(P)	00 17 18.5
E	17 33.5
AUG 30	
BMO EP	02 49 57.1
AUG 30	
BOZ E(P)	03 08 52.0
E	09 28.0
AUG 30	
BMO EP	04 16 03.1
AUG 30	
BMO E(P)	04 48 53.9
AUG 30	
H-05 29 47.8	
14.5N 092.3W	
h ABOUT 79KM	
TUC E(P)	05 35 03.0
E	35 18.5
EUR IP	05 36 13.6
BMO EP	05 36 49.8
E	37 26.6
COL EP	05 40 05.0
E	41 02.3
AUG 30	
CED IP	05 56 24.7
IS	56 39.0
AUG 30	
ADK IP	06 01 21.2
AUG 30	
BCN E(P)	06 08 39.5
EL	08 58.6
EUR IP	06 08 55.1
AUG 30	
H-06 10 33.6	
51.7N 104.5E	
h ABOUT 33KM	
COL IP	06 19 34.6
NEW IP	06 22 09.0
HHM EP	06 22 13.2
BMO EP	06 22 26.1
EPCP	22 37.0

Date and Station	Phase (GCT)
	h m s
BOZ IP	06 22 31.5
IPCP	22 42.0
EUR IP D	06 22 55.2
IPP	23 04.2
EPP	26 09.5
BCN EP	06 23 13.8
E	23 19.2
ALQ IP	06 23 30.0
I	26 13.0
AUG 30	
BMO EP	06 54 51.8
AUG 30	
BMO E(P)	07 15 06.0
AUG 30	
COL EP	08 09 47.0
EUR E(P)	08 12 52.0
AUG 30	
H-08 36 03.4	
33.4S 179.1W	
h ABOUT 33KM	
EUR E(P)	08 49 14.3
AUG 30	
BMO EP	08 38 15.7
AUG 30	
BMO EP	08 56 51.5
AUG 30	
BMO E(P)	08 58 43.5
AUG 30	
BMO E(P)	09 36 16.8
AUG 30	
ADK IP	09 50 38.5
IS	50 45.7
BMO EP	09 51 08.4
AUG 30	
ADK EP	09 56 38.5
IS	56 53.5
AUG 30	
BMO EP	10 07 53.7
AUG 30	
ADK IP	11 08 14.2
IS	08 27.7
AUG 30	
COL EP	11 54 09.0
AUG 30	
H-12 40 27.8	
13.4N 120.7E	
h ABOUT 81KM	
GUA E(P)	12 45 45.0
ES	49 40.0
COL EP D	12 52 22.1
EPP	52 39.8
EPP	55 18.9

Date and Station	Phase	Phase (GCT) h m s
NEW	EP	12 54 05.0
BMO	EP	12 54 14.2
EUR	E(P)	12 54 33.0
	EPP	58 51.7
ALQ	IP'	12 59 01.2
	IPP	00 14.0
SJG	EP'	13 00 05.0
AUG 30		
BMO	EPN	12 44 32.3
AUG 30		
EUR	EP	12 58 03.6
BOZ	EP	12 58 43.0
AUG 30		
ALQ	IP	13 09 46.5
	I	10 02.0
EUR	E(P)	13 10 26.0
	I	10 40.0
BMO	E(P)	13 10 57.0
AUG 30		
H-13 37 38.8		
17.4S 173.4W		
h ABOUT 33KM		
TUC	E(P)	13 49 34.0
EUR	IP	13 49 36.4
BMO	EP	13 49 48.7
NEW	EP	13 49 59.0
ALQ	I(P)	13 50 02.5
	I	51 28.0
BOZ	IP	13 50 07.5
COL	EP	13 50 10.0
AUG 30		
ADK	IP	13 38 54.0
	IS	38 59.5
COL	EP	13 41 13.0
AUG 30		
TUC	E(P)	13 51 50.6
AUG 30		
BOZ	EP	14 01 28.0
	EL	01 40.5
AUG 30		
BMO	E(P)	14 16 10.5
AUG 30		
NEW	EP	14 22 27.0
AUG 30		
H-15 04 01.3		
23.5S 179.9W		
h ABOUT 502KM		
TUC	EP	15 15 50.4
EUR	IP	15 15 50.6
BMO	E(P)	15 16 01.2
AUG 30		
ADK	IP	15 37 02.2
	I	37 04.0
	IS	38 31.6
BMO	EP	15 42 00.6
AUG 30		
BMO	E(P)	16 01 28.3
AUG 30		
BMO	E(P)	16 04 17.4
AUG 30		
ADK	IP	16 48 49.5
	IS	48 57.2
AUG 30		
H-16 54 38.2		
23.8S 179.8W		
h ABOUT 510KM		
TUC	EP	17 06 27.5
EUR	EP	17 06 28.0
	EpP	08 23.5
BMO	E(P)	17 06 38.2
AUG 30		
ALQ	IP	17 01 03.0
	I	01 37.5
GCA	IP	17 01 08.5
	ILG	01 39.7
AUG 30		
ALQ	IP	17 13 00.5
	I	13 36.5
AUG 30		
EUR	E(P)	17 21 00.6
	E	21 39.8
AUG 30		
EUR	IP	17 21 02.8
AUG 30		
EUR	EP	17 41 24.3
	E	41 34.2
AUG 30		
BOZ	EP	18 01 33.0
	EL	01 46.5
AUG 30		
H-18 07 59.7		
15.6N 095.8W		
h ABOUT 15KM		
ALQ	IP	18 12 50.5
AUG 30		
EUR	IP	18 32 36.2
BMO	EP	18 33 06.5
NEW	EP	18 33 26.0
AUG 30		
BOZ	EP	19 09 16.5
	EL	09 48.7
AUG 30		
ADK	IP	19 09 45.3
	IS	10 11.9
AUG 30		
ADK	EP	19 27 35.6
AUG 30		
COL	IP	19 44 02.6
BMO	EP	19 48 12.2
	E	48 37.9
AUG 30		
COL	IP	19 44 02.6
	I(S)	44 51.6
AUG 30		
BMO	E(P)	20 11 09.6
	E	11 48.2
AUG 30		
H-20 20 53.9		
61.3N 147.5W		
h ABOUT 35KM		
COL	IP C	20 21 50.6
	IS	22 33.0
	IL	22 46.5
SIT	IP	20 22 42.0
NEW	IP	20 25 42.6
HHM	IP	20 25 51.4
BMO	IP	20 26 09.1
BUT	EP	20 26 18.5
	E(S)	31 02.5
	EL	34 15.0
BOZ	IP	20 26 26.5
	E(PP)	27 30.7
	IPCP	28 51.5
	ES	31 14.0
	EL	33 36.0
UKI	E(P)	20 26 33.5
EUR	IP D	20 26 54.8
	I	27 00.0
	E	32 33.0
	EL	36 04.7
SLD	IP D	20 26 56.5
	IpP	27 05.0
	IsP	27 07.5
	IPCP	29 21.1
	IpPCP	29 28.7
	sPCP	29 32.6
BCN	IP D	20 27 26.1
	I	29 49.8
	E	30 02.2
GCA	IP D	20 27 29.5
	E	27 45.5
	IPCP	29 54.0
	I	30 08.5
ALQ	IP	20 28 03.0
	I	30 21.0
TUC	IP D	20 28 07.1
	EpP	28 18.4
	EPCP	30 31.5
	ES	33 56.0
KIP	IP	20 28 30.6
	I	30 56.4
WSC	IP	20 29 26.3
	EL	45 25.5
CSC	EP	20 29 42.5
	E	46 56.0
SJG	EP	20 32 02.5
	EpP	32 12.6
AUG 30		
H-20 23 18.2		
61.5N 147.5W		
h ABOUT 33KM		
ADK	IP	20 27 33.0
	IS	30 56.2
NEW	EP	20 28 06.0
BMO	IP	20 28 33.3
EUR	I(P)	20 29 19.3
	E	29 28.0
AUG 30		
ALQ	IP	20 23 37.5
	I	24 18.0
AUG 30		
ALQ	EP	20 33 24.9
AUG 30		
ADK	EP	20 41 57.0
AUG 30		
COL	EP	20 45 19.0
AUG 30		
GUA	E(P)	20 52 27.0
AUG 30		
ALQ	IP	21 39 53.5
	I	40 27.6
GCA	EP	21 40 00.0
	ELG	40 33.5
AUG 30		
BOZ	EP	21 51 31.0
	EL	51 41.0
AUG 30		
BOZ	EP	22 09 11.0
	EL	09 21.5
AUG 30		
ALQ	IP	22 30 41.6
AUG 30		
EUR	EP	22 40 09.3
AUG 30		
BOZ	EP	23 17 52.0

Date and Station	Phase (GCT)
	h m s
AUG 30	
ADK EP	23 25 09.0
ES	26 42.3
AUG 30	
H-23 37 19.5	
18.7N 107.0W	
h ABOUT 53KM	
ALQ IP	23 41 05.6
BCN E(P)	23 41 32.6
I	41 35.0
EL	49 41.4
SLD IP	23 42 11.5
EUR IP D	23 42 12.6
I	42 43.6
E	44 22.8
BMO EP	23 43 01.2
BUT E(P)	23 43 12.2
HHM E(P)	23 43 24.4
NEW EP	23 43 30.0
WSC EP	23 43 51.0
COL EP	23 46 36.0
ES	54 24.0
AUG 30	
SJG E(P)	23 45 46.0
AUG 31	
BOZ EP	00 09 57.5
EL	10 14.7
AUG 31	
ALQ IP	00 55 53.6
AUG 31	
ALQ IP	02 41 11.0
I	47 57.0
AUG 31	
H-02 44 09.6	
19.1N 104.4W	
h ABOUT 44KM	
EUR IP	02 49 10.6
AUG 31	
COL IP	03 43 25.0
AUG 31	
H-03 56 21.2	
26.2S 027.3E	
h ABOUT 21KM	
EUR IP'	04 16 06.8
AUG 31	
EUR EP	04 49 15.2
AUG 31	
BOZ E(P)	05 26 42.0
AUG 31	
ADK IP	06 01 21.2

Date and Station	Phase (GCT)
	h m s
AUG 31	
COL EP	06 48 42.0
AUG 31	
COL EP	06 51 16.8
AUG 31	
COL EP	07 11 37.1
E(S)	13 11.0
AUG 31	
BCN E(P)	08 20 38.8
E	20 43.8
ES	21 22.9
TUC (PN)	08 20 51.0
EUR IP	08 21 19.9
AUG 31	
ALQ EP	08 37 02.8
AUG 31	
BCN EP	08 43 39.7
IL	43 59.9
EUR EP	08 43 55.0
AUG 31	
H-08 46 06.0	
23.6S 175.8W	
h ABOUT 33KM	
TUC E(P)	08 58 31.2
EUR IP	08 58 34.2
ALQ IP	08 58 52.5
I	09 00 18.0
I	01 39.0
BOZ E(P)	08 59 04.5
COL EP	08 59 08.0
H-08 58 15.6	
37.3N 114.2W	
h ABOUT 33KM	
LVN E(P)	08 58 39.4
BCN E(P)	08 58 39.6
GCA I(P)	08 58 50.3
IS	59 17.0
ALQ E(P)	08 59 53.5
AUG 31	
EUR IP	08 58 55.0
I(S)	59 26.7
TUC (PN)	08 59 39.0
AUG 31	
H-08 59 14.6	
08.3S 074.3W	
h ABOUT 150KM	
TUC E(P)	09 08 20.6

Date and Station	Phase (GCT)
	h m s
AUG 31	
H-09 38 17.0	
26.9S 176.5W	
h ABOUT 57KM	
BCN EP D	09 50 50.8
TUC E(P)	09 50 53.0
EUR IP	09 50 56.2
ALQ IP	09 51 13.5
BOZ EP	09 51 25.5
AUG 31	
H-09 56 49.7	
14.6S 075.3W	
h ABOUT 115KM	
BCN E(P)	10 05 59.2
IL	06 18.7
AUG 31	
GCA EP	10 06 10.3
EUR IP	10 06 14.0
E	06 20.6
E(S)	06 52.3
LVN EP	10 06 18.0
AUG 31	
COL EP	10 30 34.0
AUG 31	
EUR E(P)	10 31 08.0
AUG 31	
BCN E(P)	11 37 14.8
EL	37 33.8
EUR EP	11 37 29.5
AUG 31	
FGU IP	11 53 36.8
IS	54 05.3
IL	54 06.3
BCN E(P)	11 53 41.3
EL	54 00.2
BOZ EP	11 53 48.0
EL	54 26.5
EUR EP	11 54 03.1
AUG 31	
BCN EP	12 02 24.6
EL	02 44.1
EUR IP	12 02 39.8
AUG 31	
COL EP	12 23 01.0
AUG 31	
H-12 42 38.7	
37.3N 114.2W	
h ABOUT 33KM	
BCN IP	12 43 02.0
IL	43 21.9

Date and Station	Phase (GCT)
	h m s
LVN P	12 43 03.9
EUR I(P)	12 43 10.0
GCA EP	12 43 13.5
IS	43 39.5
FGU EP	12 43 57.0
IL	45 16.0
TUC (PN)	12 44 01.8
ALQ IP	12 44 18.5
I	44 38.0
BOZ E(P)	12 44 51.5
E	47 03.0
AUG 31	
BCN E(P)	12 46 58.3
E(L)	47 16.8
AUG 31	
NEW EP	12 48 27.0
AUG 31	
BCN EP	12 51 49.2
IL	52 12.8
LVN P	12 51 54.5
GCA EP	12 52 03.6
IS	52 31.0
EUR EP	12 52 04.4
E	52 08.7
E(S)	52 40.0
ALQ E(P)	12 53 09.5
AUG 31	
TUC E(P)	12 53 12.5
AUG 31	
BCN EP	12 54 44.8
EL	54 03.5
AUG 31	
BCN E(P)	13 03 48.8
EL	04 09.0
AUG 31	
BCN E(P)	13 15 00.5
EL	15 19.8
EUR EP	13 15 15.2
E(S)	15 55.3
AUG 31	
BOZ EP	14 08 55.0
EL	09 06.0
AUG 31	
H-14 10 43.9	
64.0N 146.8W	
h ABOUT 28KM	
COL IP C	14 11 02.3
IL	11 30.0
EUR IP	14 16 58.2
AUG 31	
ALQ IP	14 31 00.5

Date and Station	Phase (GCT) h m s
AUG 31	
BCN EP	14 44 20.0
EL	44 38.6
GCA EP	14 44 35.5
ES	45 02.0
EUR IP	14 44 40.0
AUG 31	
BCN EP	14 44 25.0
EL	44 44.2
AUG 31	
TUC (PN)	14 49 55.0
EUR E(P)	14 51 12.6
E	53 38.2
AUG 31	
ALQ EP	14 51 10.0
AUG 31	
H-15 35 30.5	
53.4N 166.7W	
h ABOUT 53KM	
ADK IP	15 37 02.0
I	37 04.0
IS	38 11.4
I	38 31.6
COL EP	15 39 00.5
E	43 42.5
HHM EP	15 42 02.2
EPCP	44 43.7
BOZ IP	15 42 26.5
I	42 32.5
IPCP	44 52.0
EUR IP C	15 42 35.5
EpP	42 49.4
EPCP	44 54.8
BCN EP	15 43 00.4
TUC EP	15 43 40.2
ALQ E(P)	15 43 45.5
AUG 31	
BOZ IP	17 24 36.0
IL	24 46.0
AUG 31	
COL EP	17 31 52.0
AUG 31	
H-17 38 46.7	
42.0N 141.9E	
h ABOUT 87KM	
COL IP	17 46 52.5
BMO EP	17 49 39.9
EUR EP	17 50 05.5
AUG 31	
H-18 15 39.6	
71.6N 002.7W	
h ABOUT 33KM	

Date and Station	Phase (GCT) h m s
COL E(P)	18 23 27.0
BMO EP	18 25 08.2
EUR IP	18 25 45.5
AUG 31	
BOZ IP	18 20 37.5
IL	20 46.5
AUG 31	
BOZ EP	18 25 30.0
EL	25 47.5
AUG 31	
ALQ E(P)	18 40 53.1
AUG 31	
H-19 09 03.6	
52.3N 172.3W	
h ABOUT 33KM	
ADK IP	19 09 45.3
IS	10 11.9
COL IP	19 13 09.6
BMO EP	19 16 06.5
EUR EP	19 16 39.5
AUG 31	
BCN E(P)	19 13 07.7
E(L)	13 20.7
AUG 31	
ADK EP	19 27 35.6
EUR IP	19 32 03.2
AUG 31	
H-19 39 09.4	
37.6S 073.0W	
h ABOUT 32KM	
ALQ IP	19 51 09.2
I	51 18.6
TUC E(P)	19 51 15.0
E	51 38.9
EUR EP	19 51 49.2
I	51 58.7
BMO E(P)	19 52 12.4
E	52 21.4
AUG 31	
BOZ EP	19 48 13.5
EL	48 33.5
BMO E(P)	19 49 09.4
AUG 31	
ALQ IP	21 38 52.0
I	39 27.0
AUG 31	
BOZ IP	21 50 54.0
IL	51 05.5
AUG 31	
BCN E(P)	22 14 55.8
EL	15 15.8

Date and Station	Phase (GCT) h m s
GCA EP	22 15 05.4
AUG 31	
ALQ IP	22 27 44.0
I	28 27.5
I	28 36.0
AUG 31	
ALQ IP	22 43 15.0
AUG 31	
BMO E(P)	23 02 53.2
AUG 31	
ADK EP	23 25 09.0
ES	26 42.3
AUG 31	
H-23 36 07.9	
49.5S 116.5W	
h ABOUT 33KM	
TUC E(P)	23 48 24.0
EUR IP	23 48 58.9
AUG 31	
COL E(P)	23 41 22.1

Date and Station	Phase (GCT) h m s