SEISMOLOGICAL BULLETIN

October, 1965

MSI—298

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March 4, 2011

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

Albuquerque, New Mexico (ALQ) WWNSS
**Balboa Heights, C. Z. (BHP) WWNSS
The Panama Canal Co.
Barrow, Alaska (BRW)
*Boulder City, Nev. (BCN)
Bureau of Reclamation
*Bozeman, Mont. (BOZ) WWNSS
*Bozeman, Mont. (BZM)
Montana State College
*Butte, Mont. (BUT)
Montana School of Mines
*Cedar Springs, Calif. (CED)
Calif. Dept. of Water Resources
*Chicago, Ill. (CHK)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL) WWNSS
*Columbia, S. C. (CSC)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
*Flaming Gorge, Utah (FGU)
Bureau of Reclamation
*Glen Canyon, Ariz. (GCA)
Bureau of Reclamation
Guam, M. I. (GUA) WWNSS
Honolulu, Hawaii (HON)
*Hungry Horse, Mont. (HHM)
Bureau of Reclamation
Kipapa, Hawaii (KIP) WWNSS
**Philadelphia, Pa. (PHI)
The Franklin Institute
**Rapid City, S. D. (RCD) WWNSS
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJG) WWNSS
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC) WWNSS
Ukiah, Calif. (UKI)
International Latitude Observatory
Washington, D. C. (WAS)
Washington Science Center, Md. (WSC)

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

All seismogram interpretations are made or revised at Washington except those for Balboa Heights. Beginning January 1, 1959, the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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_L values of Gutenberg and Richter determined by the C&GS from the P phase only unless otherwise noted. The magnitude quoted is an average value determined from data forwarded by cooperating Standard Stations and other observatories. Mag. (PAS), (PAL), (BRK) are as reported by Pasadena, Palisades and Berkeley respectively.

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

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 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
1	08 52 04.4	50.1 N	178.2 E	23	6.3	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 6 1/2 (PAS), 6.4 (BRK), 6 1/2-6 3/4 (PAL). FELT ON ADAK.
1	09 09 41*	50.1 N	178.2 E	16	5.1	RAT ISLANDS, ALEUTIAN ISLANDS.
1	09 14 29*	51.5 N	178.3 W	33	4.1	ANDREANOF ISLANDS, ALEUTIAN IS.
1	09 31 39*	50.5 N	179.1 E	64		RAT ISLANDS, ALEUTIAN ISLANDS.
1	10 29 20*	50.0 N	178.5 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
1	11 41 25*	50.0 N	178.2 E	16	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
1	12 03 04*	50.1 N	178.3 E	26	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
1	12 15 56*	50.2 N	178.3 E	33	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
1	12 41 51*	50.3 N	178.3 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
1	12 53 47.9	50.4 N	178.4 E	33	3.7	RAT ISLANDS, ALEUTIAN ISLANDS.
1	13 14 29.1	51.2 N	178.9 E	36	4.8	RAT ISLANDS, ALEUTIAN ISLANDS.
1	13 22 28.4	19.9 S	174.5 E	546	6.2	NEW HEBRIDES ISLANDS REGION. MAG. 5.9 (BRK).
1	14 04 55*	50.2 N	178.2 E	33	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
1	17 25 15*	50.1 N	178.2 E	8	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
1	19 24 38*	50.1 N	178.2 E	16	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
1	19 44 13.7	52.7 S	139.9 E	29	4.9	WEST OF MACQUARIE ISLAND.
1	21 27 26*	31.7 N	141.7 E	73	3.9	SOUTH OF HONSHU, JAPAN.
1	22 18 20.6	23.1 S	68.4 W	113	4.2	NORTHERN CHILE.
1	22 34 25.1	60.6 S	24.8 W	33	5.9	SOUTH SANDWICH ISLANDS REGION.
1	22 39 04.1	6.2 S	151.7 E	35	5.0	NEW BRITAIN REGION.
2	01 57 41*	50.2 N	178.5 E	33	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
2	02 20 41*	53.0 N	172.5 E	33	4.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
2	08 31 54.0	6.0 S	103.9 E	35	5.2	SOUTHWEST OF SUMATRA.
2	10 15 56.5	50.6 N	178.3 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
2	12 07 37.6	31.4 N	141.6 E	31	5.0	SOUTH OF HONSHU, JAPAN.
2	13 20 12*	40.7 N	138.6 E	90	4.3	EASTERN SEA OF JAPAN.
2	14 27 13*	17.8 S	67.4 W	256	3.9	BOLIVIA.
2	17 23 14*	17.6 S	67.1 W	282	3.8	BOLIVIA.
2	19 23 35.6	23.9 S	179.9 E	509		SOUTH OF FIJI ISLANDS.
2	19 31 29*	31.7 N	141.7 E	59	4.4	SOUTH OF HONSHU, JAPAN.
2	19 58 28*	14.9 N	119.9 E	42	4.9	LUZON, PHILIPPINE ISLANDS. FELT AT IBA.
2	21 28 52.2	25.5 N	122.8 E	191	4.2	TAIWAN REGION.
2	23 03 06*	13.7 N	90.7 W	69	3.9	NEAR COAST OF GUATEMALA.
3	03 47 21*	18.0 N	61.6 W	44	4.5	LEEWARD ISLANDS.
3	05 12 21.8	38.1 S	48.5 E	18	5.4	ATLANTIC-INDIAN RISE.
3	08 00 50*	50.1 N	178.3 E	33	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
3	10 04 07.9	8.5 N	126.3 E	110	5.6	MINDANAO, PHILIPPINE ISLANDS.
3	10 46 16.5	52.5 N	170.6 W	22	5.4	FOX ISLANDS, ALEUTIAN ISLANDS.
3	11 58 14*	10.4 N	56.9 E	33	3.9	CARLSBERG RIDGE.
3	14 45 31.4	49.5 N	156.7 E	69	5.9	KURILE ISLANDS. MAG. 6 (PAS), 5.6 (BRK), 5 3/4 (PAL).
3	16 14 56.3	42.9 S	75.2 W	31	6.1	OFF COAST OF SOUTHERN CHILE. MAG. 6 1/2 (PAS), 6-6.5 (BRK), 5 3/4 (PAL). FELT ON CHILOE.
3	18 05 02.7	23.3 S	179.8 E	535	4.5	SOUTH OF FIJI ISLANDS.
3	20 13 37*	50.1 N	178.4 E	33	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
3	21 57 51.6	36.4 N	70.7 E	209	4.6	HINDU KUSH REGION.
4	00 02 33.6	52.4 N	173.2 E	33	5.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
4	00 13 25.7	6.4 S	147.3 E	74	5.7	EAST NEW GUINEA REGION. FELT AT LAE AND SAIDOR.
4	01 19 55.7	6.4 S	147.4 E	79		EAST NEW GUINEA REGION.
4	01 26 03.3	23.7 N	121.4 E	51	4.6	TAIWAN.
4	01 44 35.5	43.9 N	128.5 W	5	4.8	OFF COAST OF OREGON.
4	02 31 43*	24.6 N	109.6 W	33	4.6	GULF OF CALIFORNIA.
4	02 33 21*	52.1 N	171.3 W	33	4.2	FOX ISLANDS, ALEUTIAN ISLANDS.
4	03 12 34*	32.7 S	179.9 E	170	4.7	SOUTH OF KERMADEC ISLANDS.
4	03 53 34*	17.4 S	172.8 W	33		TONGA ISLANDS REGION.
4	04 12 44.9	44.3 N	128.5 W	12	5.1	OFF COAST OF OREGON. MAG. 5.5 (BRK), 5 1/4 (PAL).
4	05 42 13*	68.7 N	16.7 W	33	4.1	ICELAND REGION.
4	06 23 04.5	8.9 N	82.7 W	39	4.9	PANAMA-COSTA RICA BORDER REGION.
4	10 46 20*	44.0 N	127.9 W	43	4.6	OFF COAST OF OREGON.
4	13 46 27*	50.5 N	175.9 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
4	15 45 13*	22.7 S	177.3 W	261	4.5	SOUTH OF FIJI ISLANDS.
4	18 30 15*	50.1 N	178.6 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
4	20 13 47*	49.6 N	179.3 E	33	4.0	ALEUTIAN ISLANDS REGION.
4	21 25 12*	10.9 S	75.0 W	33	4.2	PERU.
4	21 30 01.9	15.1 S	167.5 E	139	4.8	NEW HEBRIDES ISLANDS.
4	22 08 19*	65.6 N	133.9 W	33	4.6	NORTHERN YUKON TERRITORY, CANADA.
5	00 06 31*	17.0 N	94.5 W	113	3.5	CHIAPAS, MEXICO.
5	00 17 14.0	65.3 N	134.0 W	33	5.2	NORTHERN YUKON TERRITORY, CANADA.
5	00 52 51.0	5.7 S	130.6 E	99	5.6	BANDA SEA.
5	03 13 57.5	21.8 S	170.2 E	55		LOYALTY ISLANDS REGION.
5	03 38 59.6	36.0 S	72.5 W	17	5.3	NEAR COAST OF CENTRAL CHILE. FELT.
5	03 41 28.4	16.5 S	72.5 W	103		NEAR COAST OF PERU.
5	04 41 14*	6.0 S	149.8 E	53		NEW BRITAIN REGION.
5	05 06 05*	16.0 N	95.8 W	60	3.9	OAXACA, MEXICO.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
5	07 51 07*	48.0 S	31.4 E	25	4.6	SOUTH OF AFRICA.
5	08 00 10.9	5.4 N	126.4 E	119	4.8	MINDANAO, PHILIPPINE ISLANDS.
5	08 11 12*	51.3 N	176.1 E	33	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
5	09 44 29.6	9.1 S	67.3 E	33	5.1	MID-INDIAN RISE.
5	13 02 08*	17.6 S	172.4 W	149	4.0	TONGA ISLANDS REGION.
5	15 51 16.9	5.1 N	95.9 E	110	4.8	NORTHERN SUMATRA.
5	21 42 18.0	21.8 S	174.5 W	52	4.3	TONGA ISLANDS.
5	23 30 17.0	7.9 S	118.5 E	189	5.0	FLORES SEA.
6	00 52 10.0	16.1 S	173.7 W	164	4.2	TONGA ISLANDS.
6	02 40 23.2	9.8 S	74.9 W	122	4.4	PERU.
6	04 30 35.4	22.4 S	174.7 W	41	4.2	TONGA ISLANDS REGION.
6	07 52 58.4	22.5 S	174.7 W	21	4.5	TONGA ISLANDS REGION.
6	08 03 05.1	29.1 N	96.1 E	41	5.4	INDIA-CHINA BORDER REGION.
6	08 19 17.5	22.3 S	174.7 W	40	4.3	TONGA ISLANDS REGION.
6	10 23 26*	50.0 N	178.2 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
6	10 49 38*	50.4 S	139.4 E	33		SOUTH OF AUSTRALIA.
6	14 49 36.7	15.7 S	176.5 W	391	4.4	FIJI ISLANDS REGION.
6	15 35 05.2	36.5 N	70.2 E	218	5.3	HINDU KUSH REGION.
6	16 43 47.2	36.5 N	71.[illegible] E	209	4.6	AFGHANISTAN-USSR BORDER REGION.
6	17 45 09.5	17.8 S	175.3 W	234	4.5	TONGA ISLANDS.
6	17 57 03*	59.5 N	148.8 W	44	3.9	KENAI PENINSULA, ALASKA.
6	19 24 28*	25.2 S	69.3 E	15	4.6	SOUTH INDIAN OCEAN.
6	19 42 07.7	25.3 S	70.0 E	33	5.0	MID-INDIAN RISE.
6	22 41 22.1	36.4 N	71.2 E	135	4.9	AFGHANISTAN-USSR BORDER REGION.
6	23 16 07.0	5.2 S	151.7 E	66	5.1	NEW BRITAIN REGION. FELT AT RABAUL.
7	00 43 14.1	27.6 S	65.2 W	64	4.3	CATAMARCA PROVINCE, ARGENTINA.
7	01 09 09.1	21.6 S	174.5 W	66	5.1	TONGA ISLANDS.
7	02 37 06.6	16.3 N	94.5 W	93	4.3	OAXACA, MEXICO.
7	03 35 59.8	12.5 N	114.[illegible] E	17	5.9	SOUTH CHINA SEA.
7	05 17 54.4	19.4 N	108.2 W	33	4.3	REVILLA GIGEDO ISLANDS REGION.
7	05 31 30*	19.3 N	108.[illegible] W	33	3.9	REVILLA GIGEDO ISLANDS REGION.
7	06 19 12*	18.6 N	109.[illegible] W	33	3.9	REVILLA GIGEDO ISLANDS REGION.
7	06 25 46*	19.0 N	107.8 W	33	3.7	OFF COAST OF JALISCO, MEXICO.
7	06 58 11.2	24.5 S	179.2 W	378	4.8	SOUTH OF FIJI ISLANDS.
7	07 49 14*	19.9 N	107.9 W	33	3.3	OFF COAST OF JALISCO, MEXICO.
7	08 16 35.1	1.9 S	126.5 E	45	4.8	MOLUCCA SEA.
7	08 4[illegible] 32.6	17.5 S	167.6 E	25	4.8	NEW HEBRIDES ISLANDS.
7	09 19 21.5	17.5 S	167.9 E	24	5.2	NEW HEBRIDES ISLANDS. FELT AT PORT VILA.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
7	11 15 29.0	21.5 S	174.2 W	33	4.6	TONGA ISLANDS.
7	14 06 08.7	52.2 N	169.5 W	19	5.0	FOX ISLANDS, ALEUTIAN ISLANDS.
7	15 56 44*	18.8 N	108.0 W	33	4.1	REVILLA GIGEDO ISLANDS REGION.
7	17 04 34.4	31.4 S	177.6 W	33	4.8	KERMADEC ISLANDS.
7	18 51 16*	6.5 S	130.5 E	101	4.4	BANDA SEA.
7	19 51 57.2	51.7 N	176.0 W	63	4.7	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.
7	23 21 44*	19.0 N	107.9 W	33	4.5	OFF COAST OF JALISCO, MEXICO.
8	01 11 54*	7.1 N	126.6 E	97		MINDANAO, PHILIPPINE ISLANDS.
8	01 43 37.8	14.3 S	66.4 E	33	5.2	MID-INDIAN RISE.
8	03 32 52.9	7.1 S	154.9 E	86	5.0	SOLOMON ISLANDS.
8	04 05 11*	52.8 N	171.5 E	33	4.5	NEAR ISLANDS, ALEUTIAN ISLANDS.
8	05 59 58.2	49.8 N	78.0 E	0	5.7	EASTERN KAZAKH SSR. MAG. 5 (BRK).
8	07 26 30*	6.9 S	129.3 E	158	5.3	BANDA SEA.
8	11 55 10.9	23.9 N	122.5 E	46	4.6	TAIWAN REGION.
8	12 16 39.0	22.5 S	174.5 W	33	4.8	TONGA ISLANDS REGION.
8	15 21 09.5	6.0 S	103.9 E	66	5.5	SOUTHWEST OF SUMATRA.
8	16 02 40.1	51.9 N	174.1 W	47	4.6	ANDREANOF ISLANDS, ALEUTIAN IS.
8	16 32 32.1	51.5 N	173.9 W	39	5.1	ANDREANOF ISLANDS, ALEUTIAN IS.
8	16 43 54.7	51.5 N	173.9 W	53	4.0	ANDREANOF ISLANDS, ALEUTIAN IS.
8	17 04 09*	19.1 S	169.0 E	104		NEW HEBRIDES ISLANDS.
8	17 53 55.8	11.0 N	123.7 E	85	4.6	CEBU, PHILIPPINE ISLANDS.
8	19 34 59.4	44.8 N	111.1 W	1	4.9	HEBGEN LAKE REGION. FELT IN WEST YELLOWSTONE, MONTANA AREA.
8	21 59 45.9	25.7 S	176.6 W	33	5.6	SOUTH OF FIJI ISLANDS.
8	22 28 48.6	8.3 S	76.0 W	141	5.2	PERU.
8	23 56 30.4	22.2 S	175.3 W	46	4.7	TONGA ISLANDS REGION.
9	03 06 12.3	36.5 N	70.7 E	212	4.9	HINDU KUSH REGION.
9	04 34 22.0	32.3 N	74.0 E	79	4.5	SOUTHWESTERN KASHMIR. FELT AT LAHORE, GUJRAT, AND HAFIZABAD.
9	04 44 29.3	33.0 S	179.9 W	198	4.6	SOUTH OF KERMADEC ISLANDS.
9	07 37 53.6	52.6 N	170.4 W	29	4.8	FOX ISLANDS, ALEUTIAN ISLANDS.
9	07 47 18.8	16.4 N	96.9 W	48	4.9	OAXACA, MEXICO.
9	07 48 13.7	36.0 N	70.5 E	116	4.6	HINDU KUSH REGION.
9	09 37 07.5	16.0 N	91.6 W	211	4.5	MEXICO-GUATEMALA BORDER REGION.
9	10 10 43.7	48.1 N	114.4 W	33	4.0	MONTANA.
9	11 07 01*	14.6 S	166.7 E	66		NEW HEBRIDES ISLANDS.
9	13 23 42.3	34.4 N	141.0 E	38	5.0	OFF EAST COAST OF HONSHU, JAPAN. FELT AT MATUSHIRO AND TOKYO.
9	16 00 24.7	54.3 S	6.8 E	33	4.8	BOUVET ISLAND REGION.

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OCT	H M S	DEG	DEG	KM		
9	16 49 43.9	6.9 N	73.0 W	148	4.6	NORTHERN COLOMBIA.
9	21 03 20.1	7.4 S	127.9 E	130	5.2	BANDA SEA.
10	00 35 59.3	51.8 N	175.4 W	53	5.2	ANDREANOF ISLANDS, ALEUTIAN IS. MAG. 5 3/4 (PAL). FELT ON ADAK.
10	02 37 40.2	1.7 N	127.3 E	139	5.6	HALMAHERA.
10	06 57 13.0	19.4 S	67.9 W	207	4.1	SOUTHERN BOLIVIA.
10	10 20 57.4	26.5 N	128.5 E	10	4.8	RYUKYU ISLANDS.
10	11 29 47*	16.5 S	179.0 W	541	3.8	FIJI ISLANDS REGION.
10	15 50 08*	36.5 N	140.3 E	102	3.7	NEAR EAST COAST OF HONSHU, JAPAN.
10	16 46 19.1	1.1 S	81.7 W	33	4.5	OFF COAST OF ECUADOR.
10	17 16 44.6	6.7 S	155.0 E	109	4.7	SOLOMON ISLANDS.
10	17 25 45.6	59.2 S	25.0 W	65	5.7	SOUTH SANDWICH ISLANDS REGION. MAG. 5 3/4 (PAL).
10	19 35 00.1	7.7 S	74.6 W	140	4.3	PERU-BRAZIL BORDER REGION.
10	22 39 10.0	44.8 N	111.8 W	33	4.1	HEBGEN LAKE REGION. FELT AT HEBGEN DAM.
10	23 06 46*	20.4 N	105.8 W	33	3.7	NEAR COAST OF JALISCO, MEXICO.
10	23 23 11.3	34.1 N	117.5 W	9	4.7	SOUTHERN CALIFORNIA. MAG. 3.7 (PAS), 4 (BRK). FELT IN WESTERN RIVERSIDE AND SAN BERNARDINO COUNTIES.
11	00 07 05*	3.6 S	77.2 W	157	4.0	PERU-ECUADOR BORDER REGION.
11	01 10 58*	16.9 N	99.0 W	33	3.7	NEAR COAST OF GUERRERO, MEXICO.
11	02 28 40*	52.5 S	13.1 E	33	5.1	SOUTHWEST OF AFRICA.
11	02 34 22*	32.6 S	69.2 W	121	4.4	MENDOZA PROVINCE, ARGENTINA.
11	04 18 33.8	22.3 S	70.1 W	48	4.4	NEAR COAST OF NORTHERN CHILE.
11	04 52 14.4	8.1 N	126.8 E	91	5.3	MINDANAO, PHILIPPINE ISLANDS.
11	06 31 39*	17.4 S	173.2 W	85	4.1	TONGA ISLANDS.
11	08 20 57.6	6.4 S	153.8 E	55	4.8	NEW BRITAIN REGION.
11	11 16 32*	24.0 S	179.6 E	551	4.1	SOUTH OF FIJI ISLANDS.
11	14 28 35*	52.9 N	176.9 W	33	3.7	ANDREANOF ISLANDS, ALEUTIAN IS.
11	15 47 55.4	50.5 N	129.3 W	33	4.8	VANCOUVER ISLAND REGION.
11	17 17 47.0	35.9 N	71.2 E	150		WEST PAKISTAN.
11	17 54 55.3	50.8 N	129.3 W	52	4.2	VANCOUVER ISLAND REGION.
11	18 10 28*	25.3 S	176.6 W	33	4.2	SOUTH OF FIJI ISLANDS.
11	19 10 13*	16.3 S	167.5 E	36		NEW HEBRIDES ISLANDS. FELT AT NORSUP.
11	20 01 26*	44.1 N	149.6 E	33	5.0	KURILE ISLANDS.
11	20 41 04*	12.8 S	75.0 W	229	3.6	PERU.
11	23 11 01*	22.5 S	179.6 W	568	4.2	SOUTH OF FIJI ISLANDS.
12	04 11 55*	27.9 S	71.2 W	33	4.4	NEAR COAST OF NORTHERN CHILE.
12	06 27 16.8	52.1 N	174.8 W	18	5.1	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
12	06 38 08*	51.9 N	176.4 W	126	4.1	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.
12	06 47 06.3	29.9 S	177.7 W	51	4.4	KERMADEC ISLANDS REGION.
12	07 27 44.0	22.7 S	170.9 E	64	4.8	LOYALTY ISLANDS REGION.
12	08 16 23.1	59.5 N	144.6 W	4	4.8	GULF OF ALASKA.
12	10 43 08*	22.6 N	44.6 W	33	4.4	NORTH ATLANTIC RIDGE.
12	12 21 19.9	18.9 S	169.2 E	153	3.8	NEW HEBRIDES ISLANDS.
12	13 40 59.4	56.1 N	153.6 W	29	5.5	KODIAK ISLAND REGION, MAG. 5.2 (BRK), 6-6 1/4 (PAL).
12	14 07 43.2	40.3 S	78.0 E	33	5.2	MID-INDIAN RISE.
12	14 23 37*	56.5 N	152.9 W	33	4.3	KODIAK ISLAND REGION.
12	14 58 14.4	56.2 N	153.9 W	24	4.2	KODIAK ISLAND REGION.
12	15 10 46.8	1.4 S	80.9 W	33	4.4	NEAR COAST OF ECUADOR.
12	18 33 45.3	34.5 N	26.6 E	39	4.3	CRETE.
12	18 55 57*	0.2 N	124.1 E	159	5.6	NORTHERN CELEBES.
12	23 52 34.1	2.1 N	125.1 E	234	5.0	TALAUD ISLANDS.
13	03 53 16.7	71.1 N	20.0 W	34	5.0	EASTERN GREENLAND.
13	09 57 27*	6.4 S	153.0 E	223	4.6	NEW BRITAIN REGION.
13	12 44 42.9	6.1 S	149.9 E	52		NEW BRITAIN REGION. FELT AT KILENGE.
13	14 46 24.2	22.8 S	171.1 E	21	5.6	LOYALTY ISLANDS REGION. MAG. 5.6 (BRK).
13	15 13 40.6	16.5 S	166.9 E	22	5.0	NEW HEBRIDES ISLANDS.
13	15 37 36.6	22.9 S	171.0 E	36		LOYALTY ISLANDS REGION.
13	15 43 09.6	36.5 N	139.4 E	123	5.0	HONSHU, JAPAN. FELT IN TOKYO AREA.
13	16 25 38*	56.7 N	151.6 W	33	4.0	KODIAK ISLAND REGION.
13	22 55 41*	53.7 N	161.7 E	53	4.2	OFF EAST COAST OF KAMCHATKA.
14	03 28 08.1	32.3 S	71.8 W	36	5.1	NEAR COAST OF CENTRAL CHILE. MINOR DAMAGE AT VALPARAISO. FELT AT SANTIAGO.
14	04 56 19*	22.0 S	68.6 W	106	4.4	NORTHERN CHILE.
14	06 00 05*	43.4 N	126.3 W	34	4.2	OFF COAST OF OREGON.
14	08 02 09.7	34.3 N	139.1 E	25	5.2	NEAR S. COAST OF HONSHU, JAPAN. FELT IN TOKYO AREA.
14	08 30 03*	13.2 N	90.8 W	106	3.7	NEAR COAST OF GUATEMALA.
14	10 17 24*	12.5 N	88.3 W	96	3.8	OFF COAST OF CENTRAL AMERICA.
14	10 38 23*	72.3 N	75.1 W	33	4.2	BAFFIN ISLAND REGION.
14	13 44 46.7	13.3 S	165.4 E	33	4.5	NEW HEBRIDES ISLANDS.
14	17 41 18*	44.4 N	148.2 E	55	4.8	KURILE ISLANDS.
14	17 47 35*	31.0 N	113.0 W	33	4.3	GULF OF CALIFORNIA.
15	00 11 39*	27.7 S	176.5 W	70	3.7	KERMADEC ISLANDS.
15	00 34 08.9	8.5 N	102.9 W	33	5.2	OFF COAST OF MEXICO. MAG. 4.8-5 (BRK), 5 1/4-5 1/2 (PAL).

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
15	04 58 31*	55.6 N	155.6 W	33	3.8	SOUTH OF ALASKA.
15	07 34 36.2	18.0 S	169.0 E	232	4.6	NEW HEBRIDES ISLANDS.
15	07 48 21*	7.0 N	73.1 W	142	4.2	NORTHERN COLOMBIA.
15	11 31 56*	57.1 N	151.4 W	33	4.7	KODIAK ISLAND REGION.
15	11 55 17.7	12.3 S	166.3 E	49		SANTA CRUZ ISLANDS.
15	12 01 59.3	12.6 S	165.8 E	33	5.9	SANTA CRUZ ISLANDS.
15	14 18 39.0	14.3 N	93.7 E	28	5.3	ANDAMAN ISLANDS REGION.
15	19 59 44.9	4.8 S	151.6 E	136	4.9	NEW BRITAIN REGION.
15	23 22 04.8	19.5 S	175.7 W	201	4.0	TONGA ISLANDS.
16	01 44 06*	65.2 N	164.2 W	33	4.4	ALASKA. FELT AT NOME.
16	06 54 04.2	41.0 N	73.2 E	48		KIRGIZ SSR.
16	07 19 04*	51.0 N	177.1 E	33	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
16	08 22 53.0	3.1 N	128.5 E	180	5.7	NORTH OF HALMAHERA.
16	11 00 41.4	6.2 S	149.0 E	56	4.9	NEW BRITAIN REGION. FELT AT KILENGE.
16	11 45 25.7	63.1 N	150.3 W	84	4.6	CENTRAL ALASKA.
16	13 34 06*	19.5 S	178.0 W	535	4.0	FIJI ISLANDS REGION.
16	14 22 55.3	9.0 N	83.5 W	48	5.1	COSTA RICA.
16	16 15 30.9	6.9 S	154.6 E	83	4.9	SOLOMON ISLANDS.
16	19 33 25.8	17.5 N	94.8 E	40	5.4	BURMA.
16	20 01 52.9	56.1 N	164.6 E	41	5.4	KOMANDORSKY ISLANDS REGION.
16	20 32 19*	30.2 N	141.1 E	85	4.1	SOUTH OF HONSHU, JAPAN.
16	22 05 04*	24.7 S	67.4 W	96	4.0	CHILE-ARGENTINA BORDER REGION.
16	22 14 15.1	15.2 S	173.5 W	45	5.4	TONGA ISLANDS. FELT AT APIA.
16	22 46 28.6	52.1 N	160.4 E	33	4.9	OFF EAST COAST OF KAMCHATKA.
16	22 52 15.2	22.3 S	175.1 W	119	4.3	TONGA ISLANDS REGION.
16	23 33 03.8	19.6 S	178.1 W	593	4.3	FIJI ISLANDS REGION.
17	01 47 42.3	30.2 S	69.3 W	27	4.8	CHILE-ARGENTINA BORDER REGION.
17	01 53 33.7	8.0 S	156.3 E	20	5.6	SOLOMON ISLANDS.
17	03 55 15.3	15.6 S	173.8 W	51	5.5	TONGA ISLANDS. FELT AT APIA.
17	04 28 29*	51.2 N	156.9 E	62	5.8	KAMCHATKA.
17	09 45 17.8	34.0 N	116.8 W	16	4.8	SOUTHERN CALIFORNIA. MAG. 4.7 (PAS), 5 (BRK). MINOR DAMAGE AT PALM SPRINGS. FELT OVER WIDE AREA.
17	10 41 17.0	6.8 N	73.0 W	157	4.2	NORTHERN COLOMBIA.
17	11 23 07.8	38.4 N	38.4 E	39	4.7	TURKEY. FELT AT MALATYA.
17	14 09 05.1	15.9 S	73.2 W	105	4.4	SOUTHERN PERU.
17	15 36 51.9	34.0 N	116.8 W	16	4.3	SOUTHERN CALIFORNIA. MAG. 3.8 (PAS), 4-4.3 (BRK). FELT AT PALM SPRINGS.
17	17 48 39.2	34.2 N	139.2 E	33	4.6	NEAR S. COAST OF HONSHU, JAPAN.
17	18 56 08.0	5.0 S	151.2 E	175	6.0	NEW BRITAIN REGION.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
17	22 06 21*	26.4 N	109.3 W	33	3.9	GULF OF CALIFORNIA.
18	00 55 32.7	27.9 S	66.8 W	161	4.5	CATAMARCA PROVINCE, ARGENTINA.
18	02 39 40.3	7.4 S	128.5 E	171	5.3	BANDA SEA.
18	04 58 02.5	1.4 N	85.2 W	33	4.8	OFF COAST OF ECUADOR.
18	05 24 41.6	1.5 N	85.2 W	33	4.6	OFF COAST OF ECUADOR.
18	08 22 26.7	22.6 S	170.9 E	23	4.4	LOYALTY ISLANDS REGION.
18	10 02 18.1	4.6 S	133.1 E	33	5.1	WEST NEW GUINEA REGION.
18	10 21 45.6	42.0 N	77.6 E	19	5.2	ALMA-ATA REGION.
18	10 33 55.9	46.3 N	142.3 E	318	4.2	SAKHALIN ISLAND.
18	12 40 41.4	4.1 S	137.2 E	63	4.9	WEST NEW GUINEA.
18	12 57 15*	19.2 S	69.5 W	179	4.5	NORTHERN CHILE.
18	14 32 47*	38.9 N	27.9 E	36	4.6	TURKEY. FELT AT IZMIR.
18	14 47 37.5	38.9 N	71.4 E	42		AFGHANISTAN-USSR BORDER REGION.
18	16 17 41.3	1.6 N	85.2 W	33	4.6	OFF COAST OF ECUADOR.
18	20 54 31*	6.3 S	146.9 E	96	5.2	EAST NEW GUINEA REGION.
18	21 50 05.5	1.2 S	127.8 E	33	5.9	HALMAHERA. MAG. 6 3/4 (PAS), 6 1/2-6 3/4 (PAL).
18	22 48 41.9	18.2 N	61.4 W	104	4.8	LEEWARD ISLANDS.
18	22 50 42.5	15.6 N	95.4 W	47	5.4	NEAR COAST OF OAXACA, MEXICO. FELT AT TEHUANTEPEC.
18	23 01 11.2	1.1 S	127.7 E	34	4.9	HALMAHERA.
19	02 02 54.5	8.5 S	74.4 W	112	4.2	PERU-BRAZIL BORDER REGION.
19	05 12 38.3	18.9 N	101.3 W	137	4.7	GUERRERO, MEXICO.
19	07 41 52.6	6.9 S	154.4 E	135	4.8	SOLOMON ISLANDS.
19	09 00 26.1	44.0 N	149.4 E	33	4.3	KURILE ISLANDS.
19	10 43 08*	6.8 S	154.2 E	164	4.5	SOLOMON ISLANDS.
19	12 05 07*	48.9 N	153.9 E	58	4.6	KURILE ISLANDS.
19	12 53 34*	51.8 N	175.1 E	45	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
19	14 16 57.1	1.4 S	127.3 E	33	5.4	HALMAHERA.
19	20 48 47.6	52.3 N	174.4 E	50	5.6	NEAR ISLANDS, ALEUTIAN ISLANDS. MAG. 5-5.3 (BRK), 5 3/4-6 (PAL).
19	21 33 11.7	34.0 N	116.7 W	16	4.8	SOUTHERN CALIFORNIA. MAG. 3 1/2 (PAS), 4.2 (BRK).
19	21 36 45*	31.6 N	115.8 W	33		BAJA CALIFORNIA. MAG. 3 1/2 (PAS).
19	23 22 54.9	6.9 N	73.0 W	158	4.3	NORTHERN COLOMBIA.
19	23 32 43.9	13.4 S	112.2 W	33	4.4	NORTHERN EASTER I. CORDILLERA.
20	01 16 42.9	34.0 N	116.8 W	16	4.2	SOUTHERN CALIFORNIA. MAG. 3 1/4 (PAS), 3.8-4 (BRK).
20	02 44 51.7	10.8 N	127.3 E	51	5.3	PHILIPPINE ISLANDS REGION.
20	03 43 39*	53.0 N	161.0 E	123	4.1	OFF EAST COAST OF KAMCHATKA.
20	04 38 12.2	16.3 S	177.3 W	419	4.3	FIJI ISLANDS REGION.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
20	06 56 52*	52.2 N	171.7 E	59	4.3	NEAR ISLANDS, ALEUTIAN ISLANDS.
20	09 29 55.2	20.6 S	113.7 W	23	5.0	EASTER ISLAND CORDILLERA.
20	10 35 49.3	8.6 S	123.8 E	124	5.0	FLORES ISLAND REGION.
20	11 08 07.4	51.6 N	173.8 W	8	5.6	ANDREANOF ISLANDS, ALEUTIAN IS. MAG. 5 1/4 (PAL).
20	11 53 31.7	6.9 N	73.0 W	146	5.1	NORTHERN COLOMBIA.
20	13 50 27*	1.7 N	127.3 E	131		HALMAHERA.
20	14 10 08*	14.1 S	172.4 W	70	4.3	SAMOA ISLANDS. FELT AT APIA.
20	19 49 22.7	49.5 N	150.2 E	433	4.3	NORTHWEST OF KURILE ISLANDS.
20	23 06 02.2	21.8 S	174.3 W	44	4.3	TONGA ISLANDS.
20	23 54 30.4	12.5 N	87.3 W	72	5.4	NEAR COAST OF NICARAGUA. MAG. 5-5.5 (BRK), 5 3/4 (PAL). FELT IN WESTERN NICARAGUA AND EL SALVADOR.
20	23 54 51*	12.8 N	87.0 W	91	5.6	NICARAGUA. FELT IN WESTERN NICARAGUA AND EL SALVADOR.
21	00 26 59*	20.3 S	169.6 E	94		NEW HEBRIDES ISLANDS.
21	00 54 47.7	10.5 N	63.6 W	42	4.3	NEAR COAST OF VENEZUELA. FELT IN EASTERN VENEZUELA.
21	02 04 38.5	37.5 N	91.0 W	25	5.2	MISSOURI. FELT THROUGHOUT MISSOURI AND IN PARTS OF ARKANSAS, ILLINOIS, IOWA, KANSAS, KENTUCKY, NEBRASKA, AND TENNESSEE.
21	02 45 53.2	36.4 N	69.7 E	161	4.8	HINDU KUSH REGION.
21	04 06 49*	37.4 N	91.1 W	27	3.9	MISSOURI.
21	08 43 01.9	34.0 N	116.8 W	16	4.2	SOUTHERN CALIFORNIA. MAG. 3 1/2 (PAS), 4 (BRK). FELT AT PALM SPRINGS.
21	08 59 06*	51.7 N	176.7 E	69	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
21	11 27 50*	50.4 N	177.7 E	28	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
21	11 50 03*	16.1 N	93.8 W	149	3.7	CHIAPAS, MEXICO.
21	13 39 27*	22.8 S	179.8 E	494	3.7	SOUTH OF FIJI ISLANDS.
21	15 47 59*	6.0 N	126.6 E	130		MINDANAO, PHILIPPINE ISLANDS.
21	15 56 34.1	43.8 N	87.0 E	44	4.7	NORTHERN SINKIANG PROV., CHINA.
21	16 59 49*	18.3 N	108.3 W	33	4.3	REVILLA GIGEDO ISLANDS REGION.
21	17 03 59*	7.2 S	129.2 E	117	4.5	BANDA SEA.
21	17 35 23*	18.5 N	108.1 W	24	4.4	REVILLA GIGEDO ISLANDS REGION.
21	18 47 50.2	40.5 N	109.4 E	1	4.9	NORTHERN CHINA.
22	00 49 35.7	37.0 N	140.7 E	117	4.2	HONSHU, JAPAN.
22	02 02 32.1	29.1 N	141.5 E	45	4.9	SOUTH OF HONSHU, JAPAN.
22	03 07 42.0	1.6 N	127.6 E	164	5.0	HALMAHERA.
22	12 22 28.3	19.2 S	169.7 E	253		NEW HEBRIDES ISLANDS.
22	13 16 47.4	27.9 S	179.4 W	379	3.8	KERMADEC ISLANDS.
22	16 26 50.3	56.6 N	169.7 W	21	4.7	PRIBILOF ISLANDS.
22	18 24 40*	6.2 S	130.2 E	148	4.5	BANDA SEA.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
22	18 35 54.6	25.0 S	71.2 W	15	5.1	OFF COAST OF NORTHERN CHILE.
22	19 01 53*	47.2 N	153.6 E	33	4.8	KURILE ISLANDS.
22	20 17 51.6	15.0 S	173.8 W	33	4.6	TONGA ISLANDS.
22	22 42 58*	51.5 N	178.9 E	57	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
22	23 11 31.8	22.8 S	179.5 W	538	3.8	SOUTH OF FIJI ISLANDS.
23	06 00 52.5	53.9 N	165.3 W	38	5.5	FOX ISLANDS, ALEUTIAN ISLANDS.
23	06 53 29.4	29.5 S	71.8 W	8	5.6	NEAR COAST OF CENTRAL CHILE.
23	07 54 32*	51.5 N	178.6 E	33	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
23	08 15 01.8	54.9 S	146.2 E	33	5.3	WEST OF MACQUARIE ISLAND.
23	08 33 47.4	55.0 S	146.2 E	33	5.7	WEST OF MACQUARIE ISLAND.
23	14 30 29.1	35.6 N	140.1 E	74	4.9	NEAR EAST COAST OF HONSHU, JAPAN. FELT AT TOKYO.
23	15 34 46.5	32.5 S	71.5 W	61	5.2	NEAR COAST OF CENTRAL CHILE, FELT.
23	16 00 45.0	1.6 S	81.0 W	152	4.2	OFF COAST OF ECUADOR.
23	16 27 59.8	47.5 N	122.4 W	23	4.8	WASHINGTON. FELT IN PUGET SOUND AREA.
23	20 49 00*	18.6 N	108.2 W	33	4.1	REVILLA GIGEDO ISLANDS REGION.
23	22 48 02*	5.3 S	103.4 E	33	4.8	SOUTHERN SUMATRA.
23	23 43 30*	22.4 N	143.1 E	123	4.2	VOLCANO ISLANDS REGION.
24	03 39 09.4	52.1 N	176.1 W	98	4.9	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.
24	08 38 05*	51.2 N	178.9 E	52	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
24	12 16 57.7	46.4 N	7.4 E	33	4.7	SWITZERLAND. LANDSLIDES NEAR RAWYL PASS.
24	12 24 19*	33.6 S	69.4 W	100	4.7	CHILE-ARGENTINA BORDER REGION. FELT IN CENTRAL CHILE.
24	14 32 10.8	4.2 N	125.8 E	151	5.8	TALAUD ISLANDS.
24	16 41 09.7	37.8 N	20.6 E	24	4.2	IONIAN SEA.
24	17 42 13.1	55.8 N	161.4 W	82	3.8	ALASKA PENINSULA.
24	18 15 09.1	49.7 N	156.2 E	64	5.7	KURILE ISLANDS.
24	18 45 36.3	44.5 N	149.1 E	50	5.1	KURILE ISLANDS.
24	18 56 27*	23.5 S	179.9 W	542		SOUTH OF FIJI ISLANDS.
24	19 06 13.4	17.9 N	93.8 W	206	4.3	CHIAPAS, MEXICO.
24	20 26 17.9	20.0 N	122.2 E	36	5.1	PHILIPPINE ISLANDS REGION.
24	21 09 43.8	17.7 S	178.5 W	507	4.7	FIJI ISLANDS REGION.
25	00 15 06.6	24.1 N	125.2 E	52	5.2	SOUTHWESTERN RYUKYU ISLANDS.
25	00 47 30*	51.5 N	178.5 W	44	4.0	ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK.
25	07 35 48.6	56.1 S	27.2 W	105	5.4	SOUTH SANDWICH ISLANDS REGION.
25	08 38 29.2	22.2 S	170.3 E	22	5.0	LOYALTY ISLANDS REGION.
25	09 25 56*	32.0 N	114.9 W	33	4.6	W. ARIZ. - MEXICO BORDER REGION.
25	11 17 27*	1.1 S	81.0 W	33	4.3	OFF COAST OF ECUADOR.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
25	13 31 00*	14.6 S	167.4 E	117		NEW HEBRIDES ISLANDS.
25	14 13 47.6	17.1 N	121.0 E	159	5.1	LUZON, PHILIPPINE ISLANDS. FELT AT VIGAN.
25	15 20 53.4	53.6 N	164.5 W	33	4.5	UNIMAK ISLAND REGION.
25	16 05 25.0	17.0 N	94.5 W	82	4.4	CHIAPAS, MEXICO.
25	17 53 46*	60.5 S	153.9 E	49	5.2	WEST OF MACQUARIE ISLAND.
25	18 43 02.5	53.2 N	164.7 W	54	4.8	UNIMAK ISLAND REGION.
25	22 34 24.4	44.2 N	145.3 E	181	6.2	HOKKAIDO, JAPAN REGION. MAG. 6 1/2 (PAS), 6-6.5 (BRK), 7-7 1/4 (PAL). FELT IN EASTERN AND SOUTHERN HOKKAIDO.
25	23 41 00.3	0.7 N	119.4 E	62	5.4	NORTHERN CELEBES.
26	01 55 53*	65.6 N	133.7 W	33	5.7	NORTHERN YUKON TERRITORY, CANADA.
26	04 53 30*	3.6 N	126.5 E	33	5.1	TALAUD ISLANDS.
26	08 15 42.9	22.0 S	175.3 W	89	5.0	TONGA ISLANDS REGION.
26	09 02 59.8	34.1 N	70.4 E	57	5.0	AFGHANISTAN.
26	09 54 44*	52.7 N	179.6 W	33	4.1	ANDREANOF ISLANDS, ALEUTIAN IS.
26	10 21 45.0	20.2 S	169.9 E	35	5.2	LOYALTY ISLANDS.
26	11 28 04.1	47.4 N	113.2 W	32	4.0	MONTANA. FELT WIDELY.
26	11 30 29.9	19.8 S	169.4 E	261	4.0	NEW HEBRIDES ISLANDS.
26	12 15 07.5	24.5 S	70.2 W	52	5.5	NEAR COAST OF NORTHERN CHILE.
26	12 18 39.3	7.8 S	123.6 E	232	5.3	BANDA SEA.
26	14 58 55*	13.9 N	91.4 W	155	4.3	NEAR COAST OF GUATEMALA.
26	18 21 08*	21.2 S	66.0 W	240	4.3	SOUTHERN BOLIVIA.
26	19 31 44.7	23.9 S	65.6 W	221	4.2	JUJUY PROVINCE, ARGENTINA.
26	20 20 51.0	10.5 S	161.3 E	65	5.5	SOLOMON ISLANDS. MAG. 5.7-6 (BRK). FELT AT HONIARA.
26	23 15 35.5	5.8 N	126.2 E	139	5.7	MINDANAO, PHILIPPINE ISLANDS.
27	03 46 39.0	56.3 N	163.7 E	11	4.3	NEAR EAST COAST OF KAMCHATKA.
27	07 00 36*	19.7 N	104.8 W	33	3.9	NEAR COAST OF JALISCO, MEXICO.
27	09 27 48.2	19.9 S	173.2 W	33	4.8	TONGA ISLANDS.
27	11 20 53*	17.2 N	100.3 W	33	3.8	GUERRERO, MEXICO.
27	12 47 28*	61.0 N	146.5 W	7	4.0	SOUTHERN ALASKA.
27	13 27 41*	53.6 N	161.5 E	15	4.3	OFF EAST COAST OF KAMCHATKA.
27	14 26 12.7	23.3 S	179.1 E	557	4.8	SOUTH OF FIJI ISLANDS.
27	15 13 46*	64.7 N	162.5 W	77	4.3	ALASKA.
27	15 41 01.4	1.1 N	127.1 E	146	5.2	HALMAHERA.
27	15 56 18*	51.2 N	157.9 E	71	4.7	NEAR EAST COAST OF KAMCHATKA.
27	17 53 59.8	17.8 S	179.7 W	557	4.3	FIJI ISLANDS REGION.
27	22 40 24.2	45.7 N	142.9 E	309	5.1	HOKKAIDO, JAPAN REGION. MAG. 4.7-5 (BRK).

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
27	22 57 30*	19.8 S	177.8 W	411	3.6	FIJI ISLANDS REGION.
28	01 46 45.1	51.8 N	176.5 E	58	5.0	RAT ISLANDS, ALEUTIAN ISLANDS.
28	02 33 22.2	26.1 N	44.5 W	33	4.5	NORTH ATLANTIC RIDGE.
28	04 27 10.3	38.4 N	22.4 E	14	4.5	GREECE. FELT IN CENTRAL GREECE AND NORTHERN PELOPONNESUS.
28	05 18 27*	44.6 N	130.0 W	33	4.5	OFF COAST OF OREGON.
28	05 45 34.4	12.8 S	165.7 E	77	4.7	SANTA CRUZ ISLANDS.
28	07 37 01*	16.2 S	167.4 E	33		NEW HEBRIDES ISLANDS.
28	08 58 27.0	1.7 S	127.3 E	33	5.2	HALMAHERA.
28	11 55 53*	44.7 N	129.7 W	33	3.9	OFF COAST OF OREGON.
28	14 39 24.8	41.7 N	19.2 E	9	4.6	ALBANIA.
28	14 52 02*	19.3 S	175.4 W	215	4.0	TONGA ISLANDS.
28	17 15 51*	21.6 S	170.7 E	42		LOYALTY ISLANDS REGION.
28	20 20 18*	29.4 N	107.9 W	33	4.5	CHIHUAHUA, MEXICO. FELT IN OCAMPA AREA.
28	21 19 55.2	44.6 N	129.4 W	33	4.5	OFF COAST OF OREGON.
28	23 08 19*	58.6 N	151.6 W	33	4.1	KODIAK ISLAND REGION.
29	03 36 09.2	28.5 N	127.8 E	205	4.9	EAST CHINA SEA.
29	03 48 01.5	33.6 S	178.4 W	33		SOUTH OF KERMADEC ISLANDS.
29	04 07 28.1	33.5 S	178.6 W	41		SOUTH OF KERMADEC ISLANDS.
29	04 08 53*	33.0 S	178.9 W	60	4.8	SOUTH OF KERMADEC ISLANDS.
29	04 32 01.8	4.8 N	82.6 W	34		SOUTH OF PANAMA.
29	04 47 27*	30.3 S	177.6 W	23		KERMADEC ISLANDS REGION.
29	10 01 36.8	10.4 S	161.4 E	73	4.6	SOLOMON ISLANDS.
29	10 27 31*	18.8 N	107.4 W	37	3.8	OFF COAST OF JALISCO, MEXICO.
29	12 23 25.7	6.2 S	148.9 E	59	4.7	NEW BRITAIN REGION.
29	13 45 36.1	39.2 N	71.6 E	53	4.3	TADZHIK SSR.
29	15 59 42.1	37.9 N	48.7 E	33	4.6	NORTHWESTERN IRAN.
29	21 00 00.1	0.	0.		6.1	51 26 17 N. 179 10 57 E. MAG. 5.2 (BRK), 5 1/2-5 3/4 (PAL). AMCHITKA ISLAND LONGSHOT . ELEVATION-659.6 METERS (DASA).
29	23 08 53*	17.8 S	178.7 W	574		FIJI ISLANDS REGION.
29	23 55 06.7	34.0 S	179.1 E	225	5.1	SOUTH OF KERMADEC ISLANDS.
30	00 18 51*	18.3 S	177.7 W	400	4.3	FIJI ISLANDS REGION.
30	05 15 03.2	12.3 S	168.0 E	33	4.3	SANTA CRUZ ISLANDS REGION.
30	06 57 39.5	16.4 S	173.3 W	28	5.3	TONGA ISLANDS. MAG. 5.5 (BRK), 5 3/4 (PAL).
30	08 37 21.7	2.4 S	77.9 W	166	4.1	PERU-ECUADOR BORDER REGION.
30	08 46 32.0	51.8 N	159.4 E	33	4.4	OFF EAST COAST OF KAMCHATKA.
30	12 47 10.0	14.7 N	92.5 W	65	4.1	NEAR COAST OF CHIAPAS, MEXICO.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
OCT	H M S	DEG	DEG	KM		
30	16 39 18.2	38.2 S	176.3 E	118		NORTH ISLAND, NEW ZEALAND.
30	19 15 57.9	42.1 N	121.8 W	25	4.0	OREGON.
30	19 35 40.3	15.7 S	167.6 E	33	4.9	NEW HEBRIDES ISLANDS. FELT ON ESPIRITU SANTO.
30	23 03 32.3	34.0 N	116.8 W	20	3.9	SOUTHERN CALIFORNIA. MAG. 3.0 (PAS).
31	02 49 06.6	2.8 S	140.5 E	26	5.4	NEAR N. COAST OF WEST NEW GUINEA.
31	04 02 25.7	1.6 S	77.6 W	245	4.7	ECUADOR.
31	06 42 05.8	11.5 S	165.8 E	48	4.9	SANTA CRUZ ISLANDS.
31	07 30 56*	53.1 N	159.5 E	33	4.4	NEAR EAST COAST OF KAMCHATKA.
31	11 36 56*	44.5 N	148.8 E	50	4.2	KURILE ISLANDS.
31	13 47 56.7	24.8 S	68.5 W	108	5.4	CHILE-ARGENTINA BORDER REGION. FELT AT ANTOFAGASTA.
31	15 02 49.8	19.6 S	176.2 W	19	5.5	FIJI ISLANDS REGION.
31	15 49 45*	20.0 S	175.7 W	229	4.0	TONGA ISLANDS.
31	17 24 06.4	14.3 S	55.2 E	33	5.3	SOUTH INDIAN OCEAN.
31	20 25 30.8	37.8 N	68.0 E	37	4.6	AFGHANISTAN-USSR BORDER REGION.
31	21 56 15.2	34.2 N	117.4 W	12	4.1	SOUTHERN CALIFORNIA. MAG. 3 1/2 (PAS), 3.4 (BRK). FELT AT DEVORE AND SAN BERNARDINO.
31	23 12 31.0	38.0 N	72.5 E	109	5.2	TADZHIK SSR.

Date and Station	Phase	(GCT) h m s
OCT 1		
HON	ES	00 01 40.0
	EL	05 30.0
CSC	IP	00 03 28.0
	ES	12 22.0
OCT 1		
EUR	IP	00 25 48.2
	EL	26 35.0
OCT 1		
KIP	E(P)	00 36 41.9
OCT 1		
COL	IP	01 11 15.1
OCT 1		
ALQ	EP	01 58 21.0
OCT 1		
EUR	EP	02 29 34.1
	EL	30 00.5
OCT 1		
COL	EP	02 48 09.0
EUR	IP	02 48 37.0
TUC	E(P)	02 50 30.1
OCT 1		
KIP	EP	03 18 23.8
HON	IP	03 18 24.2
	ES	18 35.5
OCT 1		
COL	EP	05 16 26.0
OCT 1		
COL	EP	05 54 28.1
OCT 1		
COL	IP D	07 41 30.0
OCT 1		
COL	EP	08 13 39.0
OCT 1		
H-08 52 04.4		
50.1N 178.2E		
h ABOUT 23KM		
COL	EP C	08 57 07.7
	I	57 31.3
	I	09 01 07.5
	IS	01 16.0
BRW	E(P)	08 57 19.9
	E(S)	09 01 44.2
SIT	E(P)	08 57 57.5
	EPCP	09 01 10.5
	IS	09 02 48.0
KIP	IP	08 58 50.4
HON	EP	08 58 50.5
UKI	E(P)	08 59 58.0
HHM	IP	09 00 03.0
	ES	06 09.5
	IL	09 43.5
BUT	EP	09 00 16.0
	ES	07 03.0
	EL	10 23.0
GUA	EP	09 00 20.0
	ES	06 56.0
EUR	IP D	09 00 32.2
	ESCP	05 45.9
	ES	07 27.5
SLC	IP	09 00 45.9
	I	01 05.0
FGU	I(P)	09 00 48.0
CED	IP	09 00 50.0
GCA	IP	09 01 04.3
RCD	IP D	09 01 09.2
	E	01 26.0
	ES	08 31.0
TUC	IP D	09 01 29.9
	E(S)	09 09.0
ALQ	IP	09 01 37.4
	IS	09 25.0
WAS	IP	09 03 11.0
	E	03 32.0
CSC	EP	09 03 17.8
	E	03 30.0
	ES	12 30.0
BHP	IP D	09 05 07.3
SJG	EP	09 05 11.3
	EPP	08 42.0
	E(SKS)	15 41.0
	ES	16 19.0
	PKKP	22 48.0
OCT 1		
H-09 09 40.5		
50.1N 178.2E		
h ABOUT 16KM		
COL	EP	09 14 46.0
HHM	EP	09 17 40.7
EUR	IP	09 18 09.3
TUC	EP	09 19 07.0
OCT 1		
COL	EP	09 30 39.5
EUR	EP	09 31 42.5
OCT 1		
EUR	IP	09 57 16.1
OCT 1		
EUR	EP	10 13 31.7
OCT 1		
EUR	EP	10 20 59.3
OCT 1		
H-10 29 20.1		
50.0N 178.5E		
h ABOUT 33KM		
EUR	EP	10 37 45.4
OCT 1		
EUR	EP	11 00 15.3
OCT 1		
H-11 41 25.0		
50.0N 178.2E		
h ABOUT 16KM		
COL	EP	11 46 31.2
EUR	IP	11 49 54.1
OCT 1		
H-12 03 04.1		
50.1N 178.3E		
h ABOUT 26KM		
COL	E(P)	12 06 59.5
EUR	IP	12 11 31.5
TUC	E(P)	12 12 29.0
ALQ	EP	12 12 36.0
	EPCP	13 37.0
OCT 1		
H-12 15 55.5		
50.2N 178.3E		
h ABOUT 33KM		
EUR	EP	12 24 20.8
OCT 1		
EUR	EP	12 37 26.8
OCT 1		
HHM	EP	12 53 02.5
BUT	EP	12 53 06.0
	IL	53 22.5
OCT 1		
H-12 41 51.1		
50.3N 178.3E		
h ABOUT 33KM		
EUR	E(P)	12 50 16.8
OCT 1		
H-12 53 47.9		
50.4N 178.4E		
h ABOUT 33KM		
EUR	EP	13 02 11.2
OCT 1		
H-13 14 29.1		
51.2N 178.9E		
h ABOUT 36KM		
COL	IP D	13 19 21.5
	E	19 27.0
HHM	EP	13 22 17.5
EUR	IP	13 22 50.0
	EPCP	23 21.4
TUC	E(P)	13 23 48.1
ALQ	E(P)	13 23 54.5
SJG	[illegible]	[illegible]
OCT 1		
HON	EP	13 15 26.8
OCT 1		
H-13 22 28.4		
19.9S 174.5E		
h ABOUT 546KM		
GUA	EP	13 29 50.4
KIP	IP	13 30 27.2
HON	IP	13 30 28.2
UKI	EP	13 33 58.0
SIT	E(P)	13 34 19.4
EUR	IP D	13 34 20.7
	E*P	36 21.6
	EPP	37 55.0
	ESKS	44 13.0
TUC	IP	13 34 23.5
	EPP	37 57.8
	ESKS	44 02.5
COL	IP D	13 34 24.6
	E*P	36 21.8
	ESKS	44 03.5
	EPKKP	51 58.5
GCA	IP	13 34 30.5
SLC	IP	13 34 36.6
ALQ	IP	13 34 [illegible]
	IPP	38 32.0
BUT	IP	13 34 [illegible]
	IPP	38 36.0
HHM	EP	13 34 [illegible]
	EPP	38 30.5
RCD	E(P)	13 35 09.5
	EPP	39 15.5
SJG	IP'	13 40 23.0
	ISKS	46 34.5
OCT 1		
EUR	E(P)	14 00 13.0
OCT 1		
H-14 04 54.7		
50.2N 178.2E		
h ABOUT 33KM		
EUR	IP	14 13 20.9
TUC	E(P)	14 14 18.5
	E	14 26.7

Date and Station	Phase (GCT)
	h m s
OCT 1	
COL EP	16 24 31.0
OCT 1	
H-17 25 14.5	
50.1N 178.2E	
h ABOUT 8KM	
EUR EP	17 33 44.5
OCT 1	
EUR IP	17 35 02.6
OCT 1	
COL EP	18 22 11.4
OCT 1	
BUT IP	18 47 54.6
OCT 1	
SJG EP	18 53 10.5
ES	54 08.0
OCT 1	
EUR EP	18 57 19.7
OCT 1	
H-19 24 37.9	
50.1N 178.2E	
h ABOUT 16KM	
EUR IP	19 33 07.0
TUC EP	19 34 04.5
OCT 1	
H-19 44 13.7	
52.7S 139.9E	
h ABOUT 29KM	
EUR IP'	20 03 19.7
OCT 1	
COL IP	20 57 39.8
OCT 1	
H-21 27 25.5	
31.7N 141.7E	
h ABOUT 73KM	
EUR E(P)	21 39 35.8
OCT 1	
COL E(P)	21 30 07.9
OCT 1	
GCA EP	21 32 03.0
E(S)	32 32.0
OCT 1	
EUR IP	21 58 57.1
ALQ E(P)	21 59 40.0
GCA EP	21 59 40.0
OCT 1	
H-22 34 25.1	
60.6S 024.8W	
h ABOUT 33KM	
SJG EP	22 46 58.0
TUC EP'	22 53 04.3
E	53 10.0
FGU EP'	22 53 09.0
GCA EP'	22 53 13.0
EUR IP'	22 53 21.4
I	53 37.9
BOZ EP'	22 53 26.2
EPP	55 25.0
BUT EP	22 53 28.0
HHM IP'	22 53 32.1
COL EP'	22 54 20.0
IP'	54 36.2
OCT 1	
H-22 39 04.1	
6.2S 151.7E	
h ABOUT 35KM	
COL IP	22 51 29.4
EUR IP	22 52 29.2
ALQ E(P)	22 53 04.8
OCT 1	
EUR E(P)	23 03 07.7
E	06 24.0
ALQ EP	23 03 37.2
OCT 1	
HHM EP	23 52 17.5
E	57 25.5
OCT 2	
COL EP	00 50 21.0
OCT 2	
H-01 57 40.5	
50.2N 178.5E	
h ABOUT 33KM	
EUR EP	02 06 04.9
OCT 2	
H-02 20 41.4	
53.0N 172.5E	
h ABOUT 33KM	
COL EP	02 25 46.0
OCT 2	
COL EP	03 41 34.4
OCT 2	
SJG EP	05 27 13.9
I	27 14.8
IL	28 06.0
OCT 2	
TUC EP	05 34 33.8
OCT 2	
SJG EP	05 34 52.5
I	34 53.3
IL	35 44.8
OCT 2	
COL E(P)	05 41 05.8
OCT 2	
CED EP	07 46 14.2
IL	46 49.2
OCT 2	
EUR EP	07 52 25.0
EL	52 49.7
OCT 2	
H-08 31 54.0	
06.0S 103.9E	
h ABOUT 35KM	
EUR EP'	08 51 01.7
HHM EP'	08 51 03.1
FGU EP'	08 51 09.7
BOZ EP'	08 51 13.0
BCN EP'	08 51 13.5
ALQ EP'	08 51 23.5
I	51 31.6
CSC EP'	08 51 57.0
OCT 2	
COL E(P)	08 32 41.6
OCT 2	
ALQ E(P)	08 53 51.0
EUR IP	08 54 26.2
BCN EP	08 54 34.4
OCT 2	
EUR EP	09 37 59.0
OCT 2	
H-10 15 56.5	
50.6N 178.3E	
h ABOUT 33KM	
EUR EP	10 24 19.7
OCT 2	
EUR E(P)	10 58 24.9
OCT 2	
H-12 07 37.6	
31.4N 141.6E	
h ABOUT 31KM	
COL EP	12 16 59.0
HHM EP	12 19 23.1
BOZ EP	12 19 38.5
EUR IP	12 19 42.0
FGU E(P)	12 19 52.0
TUC E(P)	12 20 19.7
ALQ EP	12 20 27.0
OCT 2	
COL E(P)	13 10 32.7
OCT 2	
H-13 20 11.9	
40.7N 138.6E	
h ABOUT 90KM	
COL IP	13 28 37.6
OCT 2	
COL EP	13 23 09.0
OCT 2	
COL EP	14 12 59.0
OCT 2	
H-14 27 12.9	
17.8S 067.4W	
h ABOUT 256KM	
EUR EP	14 38 15.7
OCT 2	
CED IP	16 03 31.3
IS	03 39.2
OCT 2	
CED IP D	17 07 27.7
IS	07 45.3
EUR IP	17 08 47.7
E(S)	10 00.7
OCT 2	
EUR E(P)	17 20 46.0
OCT 2	
H-19 23 35.6	
23.9S 179.9E	
h ABOUT 509KM	
TUC EP	19 35 26.3
OCT 2	
H-19 31 28.5	
31.7N 141.7E	
h ABOUT 59KM	
COL EP	19 40 45.0
HHM EP	19 43 08.7
EUR EP	19 43 28.5
OCT 2	
H-21 28 52.2	
25.5N 122.8E	
h ABOUT 191KM	
COL EP	21 39 25.0
OCT 2	
COL EP	22 30 38.0
OCT 2	
H-23 03 06.1	
13.7N 090.7W	
h ABOUT 69KM	
EUR EP	23 09 46.5
OCT 2	
COL EP	23 56 40.0

Date and Station	Phase	(GCT) h m s
OCT 3		
SJG	IP	00 32 56.3
OCT 3		
TUC	E(P)	01 04 19.6
	E(L)	05 39.5
OCT 3		
COL	EP	01 30 14.1
	I	30 17.1
	E(S)	31 05.6
OCT 3		
COL	IP	03 19 43.1
	I	20 10.3
OCT 3		
H-03 47 20.8		
18.0N 061.6W		
h ABOUT 44KM		
SJG	IP	03 48 26.1
	IS	49 16.4
ALQ	IP	03 55 19.6
TUC	EP	03 55 45.5
EUR	E(P)	03 56 25.1
COL	E(P)	03 58 44.0
OCT 3		
BUT	EP	03 54 27.5
OCT 3		
BUT	EP	04 12 10.0
	IL	12 27.0
OCT 3		
TUC	E(P)	04 54 56.0
	E(L)	56 17.4
OCT 3		
COL	EP	05 02 15.0
OCT 3		
H-05 12 21.8		
38.1S 048.5E		
h ABOUT 18KM		
COL	EP'	05 32 13.0
ALQ	EP'	05 32 20.5
TUC	EP'	05 32 22.1
HHM	EP'	05 32 26.7
	EP'	33 17.7
BUT	EP'	05 32 27.0
	EPP	37 05.0
BOZ	EP'	05 32 29.0
	EP'	33 19.5
	EPP	37 05.0
BCN	EP'	05 32 31.6
EUR	EP'	05 32 32.0
	EP'	33 36.1
	EPP	37 28.0

Date and Station	Phase	(GCT) h m s
OCT 3		
COL	EP	07 55 22.0
OCT 3		
H-08 00 49.5		
50.1N 178.3E		
h ABOUT 33KM		
BOZ	IP	08 09 07.6
EUR	IP	08 09 14.8
OCT 3		
H-10 04 07.9		
08.5N 126.3E		
h ABOUT 110KM		
COL	IP	10 16 09.3
SJG	IP'	10 23 51.0
OCT 3		
COL	E(P)	10 13 34.0
OCT 3		
H-10 46 16.5		
52.5N 170.6W		
h ABOUT 22KM		
COL	EP	10 50 15.1
	EPCP	54 58.0
	ESCP	58 28.0
BRW	EP	10 50 51.7
KIP	EP	10 52 47.0
HHM	IP	10 53 13.7
	ESCP	59 23.7
BOZ	IP	10 53 37.0
	IPCP	55 50.0
EUR	IP C	10 53 45.3
	IPCP	55 52.5
	pPCP	56 01.1
	ISCP	59 37.0
FGU	I(P)	10 54 02.5
CED	EP	10 54 06.3
BCN	EP	10 54 09.7
	EpP	54 16.2
	ESCP	59 48.7
GCA	EP	10 54 20.0
RCD	IP C	10 54 25.0
	EpP	54 31.0
	EPCP	56 09.0
TUC	IP C	10 54 48.3
ALQ	IP	10 54 54.8
	IPCP	56 22.5
SJG	IP	10 58 48.5
	IpP	58 54.2
OCT 3		
EUR	EP	13 25 58.7

Date and Station	Phase	(GCT) h m s
OCT 3		
H-14 45 31.4		
49.5N 156.7E		
h ABOUT 69KM		
BRW	EP C	14 51 39.5
	EpP	51 56.5
	EPP	52 31.8
COL	IP C	14 51 57.2
	IpP	52 15.4
	EPCP	54 39.0
	E(S)	57 11.0
KIP	IP	14 53 45.9
HHM	EP	14 54 59.1
	ES	15 02 39.8
	E	02 59.8
UKI	E(P)	14 55 03.6
BUT	IP	14 55 15.4
	IpP	55 33.4
BOZ	IP	14 55 21.2
	I	55 33.5
	IS	15 03 22.0
EUR	IP C	14 55 31.6
	IpP	55 50.6
	I	56 13.0
	EPP	57 46.7
	EpPP	58 05.4
	EPPP	59 13.4
	E(S)	15 03 46.0
	EP'P'	24 26.0
	FP'P'	25 11.0
FGU	I(P)	14 55 42.1
CED	IP	14 55 49.4
BCN	IP C	14 55 52.3
	IpP	56 11.5
	EP'P'	15 24 55.5
RCD	IP C	14 55 57.5
	E(S)	15 04 32.0
GCA	IP	14 56 00.0
TUC	IP C	14 56 23.4
	E	56 36.3
	ES	15 05 23.0
ALQ	IP	14 56 28.4
	IS	15 05 29.0
CSC	IP C	14 57 47.5
OCT 3		
H-16 14 56.3		
42.9S 075.2W		
h ABOUT 31KM		
RHP	IP	16 24 03.0
CSC	EP	16 26 44.0
	ES	36 30.0
TUC	IP D	16 27 13.1
	ES	37 30.0

Date and Station	Phase	(GCT) h m s
ALQ	IP	16 27 17.8
	IS	37 36.0
CED	IP	16 27 35.8
GCA	IP	16 27 37.0
BCN	IP D	16 27 38.2
FGU	I[illegible]	[illegible]
RCD	EP	16 27 53.0
	EpP	28 03.0
	EPP	31 18.0
EUR	IP D	16 27 54.3
	I	28 25.3
	EPP	31 37.5
	EPKKP	45 25.5
BOZ	IP	16 28 11.5
	IpP	28 20.0
	IPP	31 58.5
BUT	IP	16 28 15.9
HHM	EP	16 28 25.8
COL	EP'	16 33 45.0
OCT 3		
ALQ	EP	16 53 43.0
OCT 3		
H-18 05 02.7		
23.3S 179.8E		
h ABOUT 535KM		
EUR	E(P)	18 16 50.0
OCT 3		
ALQ	EP	18 55 02.0
	E	55 07.0
EUR	EP	18 55 38.5
OCT 3		
H-20 13 36.8		
50.1N 178.4E		
h ABOUT 33KM		
BOZ	EP	20 21 [illegible]
EUR	EP	20 22 02.8
OCT 3		
TUC	E(P)	20 31 45.9
OCT 3		
H-21 57 51.6		
36.4N 070.7E		
h ABOUT 209KM		
COL	EP	22 09 09.0
OCT 4		
H-00 02 33.6		
52.4N 173.2E		
h ABOUT 33KM		
COL	IP	00 07 40.8
HHM	EP	00 10 45.3

Date and Station	Phase (GCT)
	h m s
BOZ IP	00 11 08.6
EUR IP	00 11 19.5
EPCP	12 43.0
TUC EP	00 12 17.1
ALQ EP	00 12 23.0
E	12 36.0
OCT 4	
H-00 13 25.7	
6.4S 147.3E	
h ABOUT 74KM	
GUA IP	00 17 55.0
ES	21 37.0
KIP EP	00 23 29.4
COL IP	00 25 54.9
EUR IP	00 27 01.9
EPKKP	43 28.3
BOZ EP	00 27 14.5
CSC EP'	00 32 24.0
SJG EP'	00 32 56.8
OCT 4	
GUA EP	01 03 13.4
OCT 4	
H-01 19 55.7	
6.4S 147.4E	
h ABOUT 79KM	
COL EP	01 32 24.0
SJG EP'	01 39 26.0
OCT 4	
GUA EP	01 24 42.0
OCT 4	
EUR IP	01 36 15.9
BOZ EP	01 37 16.5
OCT 4	
H-01 26 03.3	
23.7N 121.4E	
h ABOUT 51KM	
GUA EP	01 31 18.0
COL EP	01 37 06.0
HHM EP	01 39 12.8
EUR EPP	01 43 28.5
OCT 4	
H-01 44 35.5	
43.9N 128.5W	
h ABOUT 5KM	
EUR EP	01 47 12.0
I	47 28.0
HHM EP	01 47 14.8

Date and Station	Phase (GCT)
	h m s
BOZ EP	01 47 33.5
BCN EP	01 47 47.3
GCA E(P)	01 48 11.5
TUC EP	01 48 51.0
RCD E(P)	01 48 52.0
E	49 13.0
ALQ IP	01 49 02.5
COL EP	01 49 50.0
OCT 4	
COL EP	01 53 33.0
OCT 4	
EUR E(P)	02 12 57.8
OCT 4	
H-02 31 42.5	
24.6N 109.6W	
h ABOUT 33KM	
TUC E(P)	02 33 32.8
EUR IP	02 35 27.8
BOZ E(P)	02 36 26.0
OCT 4	
H-02 33 21.1	
52.1N 171.3W	
h ABOUT 33KM	
EUR EP	02 40 51.7
OCT 4	
H-03 12 33.6	
32.7S 179.9E	
h ABOUT 170KM	
TUC E(P)	03 25 25.4
EUR IP	03 25 29.8
OCT 4	
COL IP	03 24 37.1
OCT 4	
EUR E(P)	03 28 04.0
OCT 4	
COL EP	03 43 31.5
OCT 4	
SJG IP	03 49 27.8
IS	49 47.5
OCT 4	
H-03 53 33.9	
17.4S 172.8W	
h ABOUT 33KM	
COL EP	04 06 02.5
OCT 4	
H-04 12 44.9	
44.0N 128.5W	
h ABOUT 12KM	
UKI E(P)	04 14 18.2

Date and Station	Phase (GCT)
	h m s
EUR IP	04 15 19.0
I	15 22.9
EL	17 26.5
HHM EP	04 15 24.3
EL	18 43.8
BUT E(P)	04 15 26.5
EL	19 00.5
SLC EP	04 15 52.2
BCN EP	04 15 55.5
GCA E(P)	04 16 17.8
TUC EP	04 16 59.0
E	17 06.0
ES	20 30.0
RCD EP	04 16 59.0
ES	20 34.0
ALQ IP	04 17 11.2
COL EP	04 17 58.0
I	18 03.9
EPCP	21 40.0
PPCP	21 46.9
SJG EP	04 22 40.5
OCT 4	
KIP EP	04 54 00.0
OCT 4	
COL EP	05 08 37.8
OCT 4	
COL EP	05 14 10.0
EL	15 21.5
OCT 4	
H-05 42 13.4	
68.7N 016.7W	
h ABOUT 33KM	
COL EP	05 50 03.4
OCT 4	
EUR E(P)	05 44 50.1
COL EP	05 45 24.1
OCT 4	
H-06 23 04.5	
08.9N 082.7W	
h ABOUT 39KM	
BHP IP D	06 23 52.0
SJG EP	06 27 22.2
IS	30 44.5
E	30 51.0
IT	45 06.0
CSC E(P)	06 28 38.0
E	28 45.0
ES	33 07.0
ALQ IP	06 29 43.0
TUC EP	06 29 54.9

Date and Station	Phase (GCT)
	h m s
GCA EP	06 30 25.8
FGU E(P)	06 30 27.2
RCD EP	06 30 31.0
EPP	30 42.0
BCN EP	06 30 38.0
SLC EP	06 30 47.0
EUR EP	06 30 58.0
E	31 13.3
E	33 23.2
HHM EP	06 31 35.8
E	31 44.8
COL EP	06 34 22.0
I	34 30.5
OCT 4	
EUR EP	07 07 54.3
OCT 4	
COL EP	07 39 40.0
OCT 4	
COL EP	08 14 51.3
OCT 4	
TUC E(P)	09 04 42.6
EL	05 35.0
BCN E(P)	09 05 37.0
E	05 51.6
EL	07 11.5
OCT 4	
COL E(P)	09 38 59.0
OCT 4	
BOZ EP	10 27 57.0
IL	28 17.0
BUT EP	10 28 06.6
E	28 12.6
IL	28 39.1
FGU EP	10 28 40.0
HHM E(P)	10 28 54.8
RCD E(P)	10 29 09.0
OCT 4	
H-10 40 19.5	
44.0N 127.9W	
h ABOUT 43KM	
EUR IP	10 42 46.5
BCN EP	10 43 23.8
TUC EP	10 44 26.0
RCD EP	10 44 29.0
ALQ IP	10 44 39.8
COL EP	10 45 29.8
OCT 4	
TUC E(P)	11 20 40.2

Date and Station	Phase (GCT)
	h m s
OCT 4	
EUR EP	11 34 31.0
OCT 4	
BOZ EP	11 56 36.5
EUR E(P)	11 57 27.0
OCT 4	
EUR EP	12 05 44.6
OCT 4	
H-13 46 27.2	
50.5N 175.9E	
h ABOUT 33KM	
COL IP	13 51 37.6
BOZ EP	13 54 56.0
OCT 4	
COL EP	14 44 25.0
BOZ EP	14 47 44.0
EUR EP	14 47 48.0
OCT 4	
COL EP	14 48 30.4
I	48 52.0
EUR E(P)	14 49 47.4
I	49 59.3
OCT 4	
H-15 45 13.2	
22.7S 177.3W	
h ABOUT 261KM	
COL IP	15 57 43.5
OCT 4	
EUR EP	17 06 28.2
OCT 4	
EUR E(P)	17 19 38.5
OCT 4	
BOZ EP	18 58 15.5
OCT 4	
TUC EP	19 24 02.0
OCT 4	
EUR IP	19 46 00.4
OCT 4	
H-20 13 47.2	
49.6N 179.3E	
h ABOUT 33KM	
COL EP	20 18 50.5
EUR EP	20 22 09.0
OCT 4	
GCA EP	21 45 24.2
OCT 4	
H-22 08 19.3	
65.6N 133.9W	
h ABOUT 33KM	
COL IP	22 09 46.2
HHM E(P)	22 12 49.8
EL	17 21.8
EUR E(P)	22 14 12.9
OCT 4	
EUR EP	22 42 07.0
E	42 39.8
OCT 4	
EUR E(P)	23 55 56.8
OCT 5	
H-00 06 31.4	
17.0N 094.5W	
h ABOUT 113KM	
TUC E(P)	00 11 00.8
OCT 5	
H-00 17 14.0	
65.3N 134.0W	
h ABOUT 33KM	
COL IP	00 18 39.2
EL	20 21.0
SIT E(P)	00 19 12.0
BRW EP	00 19 48.6
ES	21 43.3
HHM EP	00 21 46.8
BUT EP	00 22 11.5
E	24 16.5
BOZ EP	00 22 19.2
E	27 26.0
RCD E(P)	00 22 47.0
EUR EP	00 23 03.2
E	23 33.0
EPCP	26 19.0
EL	32 11.5
ALQ IP	00 24 02.4
TUC EP	00 24 14.0
SJG EP	00 27 46.5
WSC ES	00 31 08.0
EL	35 06.0
OCT 5	
H-00 52 51.0	
05.7S 130.6E	
h ABOUT 99KM	
EUR IP'	01 11 16.6
IPKKP	22 10.5
TUC EP'	01 11 27.3
ESKP	15 00.0
ALQ IP'	01 11 32.8
RCD IP'	01 11 51.8
SJG EP'	01 12 39.4
E	13 18.5
E	13 52.0
OCT 5	
COL EP	01 04 39.0
OCT 5	
COL E(P)	02 31 51.8
OCT 5	
H-03 38 59.6	
36.0S 072.5W	
h ABOUT 17KM	
SJG EP	03 48 29.8
TUC E(P)	03 50 51.0
E	50 59.9
ALQ IP	03 50 55.5
I	51 02.6
GCA E(P)	03 51 19.0
FGU E(P)	03 51 22.0
BCN E(P)	03 51 26.0
EUR E(P)	03 51 36.8
I	51 43.9
BOZ E(P)	03 51 59.5
OCT 5	
SJG EP	03 53 06.4
OCT 5	
EUR EP	03 56 16.7
OCT 5	
BOZ E(P)	04 07 00.0
OCT 5	
COL EP	04 14 08.0
OCT 5	
COL E(P)	04 37 14.7
OCT 5	
COL EP	04 55 01.0
OCT 5	
H-05 06 05.3	
16.0N 095.8W	
h ABOUT 60KM	
ALQ I(P)	05 10 46.5
TUC E(P)	05 10 46.7
OCT 5	
COL EP	05 34 16.2
OCT 5	
COL E(P)	05 49 44.3
OCT 5	
CED IP	06 13 31.3
IS	13 47.3
OCT 5	
COL EP	06 39 01.0
OCT 5	
H-07 51 06.8	
48.0S 031.4E	
h ABOUT 25KM	
ALQ EP'	08 10 50.0
OCT 5	
H-08 11 11.7	
51.3N 176.1E	
h ABOUT 33KM	
EUR IP	08 19 46.0
OCT 5	
H-09 44 [illegible]	
09.1S 067.3E	
h ABOUT 33KM	
RCD EP'	10 04 02.5
FGU EP'	10 04 08.5
EUR EP'	10 04 17.7
E	05 11.2
ALQ IP'	10 04 25.5
OCT 5	
EUR E(P)	10 07 59.5
TUC E(P)	10 08 03.5
ALQ E(P)	10 08 22.0
OCT 5	
COL EP	10 38 49.0
OCT 5	
COL EP	10 54 22.0
OCT 5	
H-13 02 07.5	
17.6S 172.4W	
h ABOUT 149KM	
COL EP	13 14 [illegible]
E	14 [illegible]
OCT 5	
COL E(P)	13 07 [illegible]
OCT 5	
COL EP	14 05 [illegible]
OCT 5	
BCN IP	15 12 [illegible]
OCT 5	
COL EP	15 22 [illegible]
OCT 5	
H-15 51 16.9	
05.1N 095.9E	
h ABOUT 110KM	
EUR EP'	16 10 15.3
OCT 5	
TUC P	15 59 43.2
OCT 5	
COL EP	17 31 51.0
IL	33 33.0
OCT 5	
EUR IP	17 43 10.4

Date and Station	Phase (GCT)
	h m s
OCT 5	
EUR E(P)	19 42 11.5
E	42 22.2
OCT 5	
EUR IP	19 46 29.0
OCT 5	
EUR EP	20 04 49.6
OCT 5	
H-21 42 18.0	
21.8S 174.5W	
h ABOUT 52KM	
EUR EP	21 54 34.6
ALQ E(P)	21 54 52.2
COL EP	21 55 06.0
OCT 5	
KIP E(P)	21 59 01.3
OCT 5	
COL EP	22 46 20.0
OCT 5	
EUR E(P)	22 40 29.4
E	41 26.5
OCT 5	
TUC E(P)	23 24 14.1
E	25 15.4
EUR EP	23 25 13.5
OCT 5	
ALQ IP	23 52 14.6
OCT 6	
COL IP	00 13 57.5
OCT 6	
H-00 52 10.0	
16.1S 173.7W	
h ABOUT 164KM	
COL IP	01 04 19.4
OCT 6	
H-02 40 23.2	
9.8S 074.9W	
h ABOUT 122KM	
EUR IP	02 50 33.4
OCT 6	
EUR EP	02 55 53.9
OCT 6	
COL EP	04 24 22.0
OCT 6	
ALQ E(P)	04 33 15.5
EUR EP	04 34 42.7
OCT 6	
COL EP	04 56 11.3
IL	57 53.4
OCT 6	
ALQ EP	06 26 12.1

Date and Station	Phase (GCT)
	h m s
OCT 6	
EUR E(P)	06 55 28.5
OCT 6	
COL E(P)	07 46 25.8
OCT 6	
H-07 52 58.4	
22.5S 174.7W	
h ABOUT 21KM	
ALQ E(P)	08 05 40.5
OCT 6	
H-08 03 05.1	
29.1N 096.1E	
h ABOUT 41KM	
COL IP	08 14 38.5
EPP	14 52.2
TUC EP'	08 21 32.0
OCT 6	
H-08 19 17.5	
22.3S 174.7W	
h ABOUT 40KM	
ALQ IP	08 31 51.5
COL EP	08 32 10.3
OCT 6	
EUR EP	08 22 48.1
E	23 12.5
OCT 6	
COL EP	08 52 57.0
OCT 6	
SJG IP	09 10 04.5
ES	10 29.0
IL	10 33.1
OCT 6	
SJG IP	10 04 38.8
ES	05 03.0
IL	05 08.0
OCT 6	
H-10 23 25.8	
50.0N 178.2E	
h ABOUT 33KM	
COL E(P)	10 28 29.5
BOZ EP	10 31 46.0
EUR EP	10 31 52.8
OCT 6	
EUR IP	10 38 01.8
OCT 6	
FGU EP	12 20 04.5
OCT 6	
EUR EP	12 26 32.1
E(S)	22 27 33.9
OCT 6	
EUR IP	13 40 31.6
IL	40 56.0

Date and Station	Phase (GCT)
	h m s
BCN EP	13 41 05.2
FL	41 58.0
OCT 6	
H-14 49 36.7	
15.7S 176.5W	
h ABOUT 391KM	
EUR EP	15 00 58.0
TUC EP	15 01 00.5
COL EP	15 01 19.0
OCT 6	
H-15 35 05.2	
36.5N 070.2E	
h ABOUT 218KM	
COL IP	15 46 22.3
OCT 6	
ALQ IP	16 39 36.6
EUR EP	16 40 12.9
OCT 6	
H-16 43 47.2	
36.5N 071.0E	
h ABOUT 208KM	
COL EP	16 55 04.6
OCT 6	
EUR EP	17 08 52.2
E	09 25.7
OCT 6	
H-17 45 09.5	
17.8S 175.3W	
h ABOUT 234KM	
COL IP	17 57 19.8
OCT 6	
H-17 57 02.8	
59.5N 148.8W	
h ABOUT 44KM	
COL IP C	17 58 23.5
I	58 43.5
IS	59 25.0
IL	59 48.9
EUR E(P)	18 02 58.0
OCT 6	
COL EP	18 44 12.0
OCT 6	
H-22 41 22.1	
36.4N 071.2E	
h ABOUT 135KM	
COL EP	22 52 47.0
IEP	53 21.5
OCT 6	
EUR EP	22 46 57.8
OCT 6	
BUT EP	23 13 31.9

Date and Station	Phase (GCT)
	h m s
OCT 6	
H-23 16 07.0	
05.2S 151.7E	
h ABOUT 66KM	
COL EP	23 28 23.7
EUR IP	23 29 24.9
OCT 7	
H-01 09 09.1	
21.6S 174.5W	
h ABOUT 66KM	
TUC EP	01 21 20.0
EUR IP	01 21 22.2
GCA E(P)	01 21 31.0
ALQ IP	01 21 41.4
COL EP	01 21 55.0
OCT 7	
H-02 37 06.6	
16.3N 094.8W	
h ABOUT 93KM	
ALQ IP	02 41 47.0
TUC EP D	02 41 49.8
E	42 07.0
GCA E(P)	02 42 20.2
BCN EP	02 42 38.0
EUR IP	02 43 05.4
E	43 23.8
COL EP	02 47 05.0
OCT 7	
H-03 35 59.8	
12.5N 114.5E	
h ABOUT 17KM	
GUA E(P)	03 42 09.0
COL IP C	03 48 20.5
I	48 31.2
I	48 40.0
EPKKP	04 06 49.0
KIP EP	03 48 29.4
E	48 38.9
HHM EP	03 50 15.8
EPKKP	04 05 47.3
BOZ EP'	03 54 28.0
EUR E(P)	03 50 34.8
IP'	54 34.0
FPP	55 07.4
IPKKP	04 05 44.2
TUC EP'	03 54 48.9
EPKKP	04 05 06.4
ALQ IP'	03 54 50.2
IPKKP	04 05 04.5

Date and Station	Phase	(GCT) h m s
SJG	IP'	03 55 50.0
OCT 7 H-05 17 54.4 18.4N 108.2W h ABOUT 33KM		
TUC	E(P)	05 21 11.5
ALQ	IP	05 21 48.0
GCA	EP	05 22 13.8
EUR	IP	05 22 49.0
OCT 7 H-05 31 29.7 19.3N 108.0W h ABOUT 33KM		
ALQ	IP	05 35 14.0
EUR	IP	05 36 17.0
OCT 7 H-06 18 11.9 18.6N 108.0W h ABOUT 33KM		
ALQ	E(P)	06 22 03.2
EUR	EP	06 23 06.0
OCT 7 H-06 25 45.5 19.0N 107.8W h ABOUT 33KM		
EUR	EP	06 30 36.6
OCT 7 H-06 58 11.2 24.5S 179.2W h ABOUT 378KM		
KIP	IP	07 06 30.1
HON	EP	07 06 30.4
TUC	EP	07 10 19.3
EUR	IP	07 10 15.1
COL	IP	07 10 39.3
OCT 7		
EUR	EP	07 18 05.6
OCT 7 H-07 49 13.8 18.8N 107.9W h ABOUT 33KM		
EUR	EP	07 54 04.7
OCT 7 H-08 40 32.6 17.5S 167.6E h ABOUT 25KM		
COL	EP	08 53 28.0
EUR	EP	08 53 43.0
OCT 7 H-09 19 21.5 17.5S 167.9E h ABOUT 24KM		
COL	EP	09 32 13.0
EUR	IP	09 32 24.0
TUC	EP	09 32 30.0
OCT 7		
CED	IP	09 42 57.6
OCT 7		
TUC	EP	09 48 34.5
OCT 7 H-11 15 29.0 21.5S 174.2W h ABOUT 33KM		
EUR	E(P)	11 27 50.2
ALQ	IP	11 28 04.8
COL	EP	11 28 19.0
OCT 7		
COL	EP	13 09 04.0
OCT 7 H-14 06 08.7 52.2N 169.5W h ABOUT 19KM		
COL	EP	14 10 05.4
HHM	E(P)	14 12 59.8
EUR	IP	14 13 32.8
TUC	EP	14 14 35.5
	E	14 47.0
ALQ	IP	14 14 49.0
OCT 7		
ALQ	I(P)	14 09 04.4
EUR	IP	14 09 08.4
COL	EP	14 13 38.0
OCT 7 H-15 56 43.7 18.8N 108.0W h ABOUT 33KM		
ALQ	EP	16 00 31.5
EUR	E(P)	16 01 36.0
OCT 7 H-17 04 34.4 31.4S 177.6W h ABOUT 33KM		
TUC	EP	17 17 29.5
EUR	IP	17 17 36.0
GCA	E(P)	17 17 42.2
OCT 7		
EUR	E(P)	17 21 01.7
	E	21 35.3
OCT 7 H-19 51 57.2 51.7N 176.0W h ABOUT 63KM		
COL	IP	19 56 21.6
BRW	EP	19 56 43.7
HHM	EP	19 59 18.8
	IPCP	20 01 28.5
BOZ	IP	19 59 41.9
EUR	IP	19 59 49.9
	EPCP	20 01 41.0
TUC	EP	20 00 50.4
ALQ	I(P)	20 00 54.0
OCT 7		
SJG	IP	20 16 03.3
	EL	16 25.5
OCT 7		
KIP	E(P)	20 33 29.8
OCT 7		
KIP	EP	21 26 31.9
OCT 7		
GCA	EP	21 30 23.5
	ES	30 51.5
OCT 7		
KIP	EP	22 11 23.4
	I	12 13.3
OCT 7		
EUR	EP	22 18 32.3
OCT 7		
KIP	E(P)	22 22 19.0
OCT 7		
EUR	EP	22 56 02.9
	E	57 36.0
OCT 7 H-23 21 43.8 19.0N 107.9W h ABOUT 33KM		
TUC	E(P)	23 24 48.8
GCA	EP	23 25 57.0
BCN	E(P)	23 26 01.5
EUR	IP	23 26 33.7
OCT 8		
KIP	EP	01 28 38.0
OCT 8 H-01 43 37.8 14.3S 066.4E h ABOUT 33KM		
BUT	EP'	02 03 22.0
BOZ	EP'	02 03 23.6
OCT 8		
BCN	EP	02 04 10.0
OCT 8		
COL	EP	02 45 19.3
OCT 8 H-03 32 52.9 07.1S 154.9E h ABOUT 86KM		
GUA	E(P)	03 37 49.0
COL	IP	03 45 09.1
EUR	IP	03 46 01.8
OCT 8 H-04 05 10.9 52.8N 171.5E h ABOUT 33KM		
BRW	E(P)	04 10 17.7
COL	IP	04 10 21.8
EUR	IP	04 14 03.5
TUC	EP	04 15 01.0
ALQ	IP	04 15 06.4
OCT 8		
EUR	EP	04 12 29.5
OCT 8		
BOZ	EP	04 29 57.0
OCT 8		
COL	IP	04 49 07.2
OCT 8		
EUR	EP	04 52 19.5
OCT 8		
TUC	EP	05 51 29.4
OCT 8 H-07 26 30.4 06.9S 129.3E h ABOUT 158KM		
ALQ	EP'	07 45 08.3
OCT 8		
COL	EP	07 58 11.0
OCT 8		
ALQ	EP	08 33 24.0
OCT 8		
ALQ	IP	11 13 31.8
TUC	EP	11 13 35.9
COL	EP	11 19 23.0
	F	19 34.8

Date and Station	Phase (GCT)
	h m s
OCT 8	
H-11 55 10.9	
23.9N 122.5E	
h ABOUT 46KM	
HHM IP	12 08 18.0
OCT 8	
COL EP	12 14 22.0
OCT 8	
H-12 16 39.0	
22.5S 174.5W	
h ABOUT 33KM	
TUC E(P)	12 28 56.0
ALQ IP	12 29 18.6
OCT 8	
COL EP	12 27 20.1
OCT 8	
H-15 21 09.5	
6.0S 103.9E	
h ABOUT 66KM	
HHM IP'	15 40 09.0
E	40 23.0
EUR EP'	15 40 17.8
I(SKP)	43 39.0
BOZ EpP'	15 40 30.0
OCT 8	
H-16 02 40.1	
51.9N 174.1W	
h ABOUT 47KM	
BRW E(P)	16 07 21.6
HHM EP	16 09 51.0
BOZ EP	16 10 12.0
EUR EP	16 10 26.0
BCN E(P)	16 10 58.4
OCT 8	
EUR EP	16 29 29.7
OCT 8	
H-16 32 32.1	
51.5N 173.9W	
h ABOUT 39KM	
COL E(P)	16 36 48.9
I	36 51.0
BRW EP	16 37 16.1
I	37 19.1
I	37 29.0
HHM EP	16 39 45.2
E	39 58.0
BUT E(P)	16 40 02.7
BOZ IP	16 40 09.0
I	40 22.0

Date and Station	Phase (GCT)
	h m s
EUR EP	16 40 15.6
I	40 30.7
I	41 09.6
FGU E(P)	16 40 36.5
BCN EP	16 40 39.5
E	40 53.8
GCA EP	16 40 53.3
TUC E(P)	16 41 17.0
E	41 24.5
E	41 31.5
ALQ EP	16 41 23.6
SJG E(P)	16 45 21.6
OCT 8	
H-16 43 54.7	
51.5N 173.9W	
h ABOUT 53KM	
COL E(P)	16 48 11.9
EUR E(P)	16 51 36.9
BCN E(P)	16 52 14.3
OCT 8	
KIP E(P)	17 13 29.6
OCT 8	
BUT IP	17 28 53.2
OCT 8	
EUR E(P)	17 32 44.3
OCT 8	
EUR EP	17 36 29.0
OCT 8	
EUR E(P)	18 26 58.2
I	27 04.6
IL	27 43.0
OCT 8	
BCN EP	19 06 22.3
ES	06 48.4
GCA IP	19 06 23.0
OCT 8	
H-19 34 59.4	
44.8N 111.1W	
h ABOUT 1KM	
BOZ IP	19 35 16.7
IS	35 29.0
BZM IP C	19 35 17.5
BUT IP	19 35 29.3
I	35 37.8
IL	35 56.8
HHM IP	19 36 04.5
E	36 25.0
RCD EP	19 36 30.0
EL	38 04.0

Date and Station	Phase (GCT)
	h m s
EUR EP	19 36 38.5
I	36 54.0
IL	39 18.5
GCA EP	19 36 57.5
BCN EP	19 37 18.0
E(S)	40 04.0
TUC E(P)	19 38 06.0
COL IP	19 40 59.3
OCT 8	
BOZ I(P)	19 40 09.0
IL	40 20.5
BUT E(P)	19 40 40.3
IL	41 16.8
OCT 8	
BOZ IP	19 42 56.5
I	43 08.0
OCT 8	
BOZ E(P)	19 43 28.0
I	43 44.0
BUT E(P)	19 43 29.3
I	44 07.8
OCT 8	
BOZ E(P)	19 47 40.0
I	47 50.5
OCT 8	
BOZ IP	19 53 06.0
IL	53 15.0
OCT 8	
BOZ IP	19 56 52.0
IL	57 04.0
OCT 8	
BUT E(P)	20 33 37.9
E	34 17.9
BOZ IP	20 33 44.5
OCT 8	
BOZ IP	20 49 30.5
I	49 41.0
BUT E(P)	20 49 39.9
E	50 02.9
OCT 8	
GCA E(P)	20 55 46.4
IS	55 55.5
OCT 8	
BUT IP	21 19 17.5
OCT 8	
BOZ IP	21 26 22.0
IL	26 30.0
BUT IP	21 26 35.3
IL	26 56.3
HHM E(P)	21 27 20.0
E	28 12.0

Date and Station	Phase (GCT)
	h m s
OCT 8	
EUR E(P)	21 58 44.5
OCT 8	
H-21 59 45.9	
25.7S 176.6W	
h ABOUT 33KM	
BCN EP	22 12 18.7
EpP	12 28.7
TUC IP D	22 12 21.3
EUR IP D	22 12 24.8
IpP	12 35.2
GCA EP	22 12 32.3
ALQ IP	22 12 42.6
BOZ IP	22 12 54.0
IpP	13 04.5
COL IP D	22 12 56.1
EpP	13 06.6
OCT 8	
H-22 28 48.6	
08.3S 076.0W	
h ABOUT 141KM	
SJG IP	22 34 27.0
F	34 40.8
ALQ IP	22 37 44.0
TUC IP D	22 37 47.8
GCA EP	22 38 16.0
FGU I(P)	22 38 21.0
BCN EP	22 38 24.0
EUR IP	22 38 44.6
EpP	39 16.3
HHM EP	22 39 19.0
BOZ IP	22 38 58.0
E(pP)	39 33.0
COL IP	22 41 33.2
E(pP)	42 09.0
OCT 8	
BOZ IP	23 16 21.6
IS	16 30.0
BZM E(P)	23 16 22.0
BUT IP	23 16 34.9
IL	16 56.4
HHM E(P)	23 17 07.0
E	18 04.0
OCT 9	
KIP EP	00 08 15.5
OCT 9	
H-00 56 00.4	
22.2S 175.3W	
h ABOUT 46KM	

Date and Station	Phase	Phase (GCT) h m s
TUC	EP	01 08 18.1
EUR	EP	01 08 20.8
OCT 9		
KIP	EP	02 05 36.2
OCT 9		
BUT	E(P)	02 45 51.4
	IL	46 14.0
OCT 9		
H-03 06 12.3		
36.5N 070.7E		
h ABOUT 212KM		
COL	IP	03 17 32.8
OCT 9		
ALQ	EP	03 13 49.0
OCT 9		
EUR	EP	03 21 03.7
OCT 9		
H-04 34 22.0		
32.3N 074.0E		
h ABOUT 79KM		
COL	EP	04 46 13.0
OCT 9		
H-04 44 29.3		
33.0S 179.9W		
h ABOUT 188KM		
TUC	EP	04 57 18.8
EUR	EP	04 57 23.4
OCT 9		
COL	EP	05 16 21.0
OCT 9		
EUR	E(P)	05 16 56.5
OCT 9		
GUA	EP	06 45 19.5
OCT 9		
H-07 37 53.6		
52.6N 170.4W		
h ABOUT 29KM		
COL	EP	07 41 49.0
HHM	EP	07 44 48.5
BOZ	EP	07 45 12.0
EUR	IP	07 45 20.2
	IPP	45 30.1
	IPCP	47 28.0
BCN	EP	07 45 44.5
	EPCP	47 38.0
TUC	EP	07 46 22.8
ALQ	IP	07 46 29.8
	IPCP	47 57.8
OCT 9		
COL	EP	07 39 25.0
OCT 9		
H-07 47 18.8		
16.4N 096.9W		
h ABOUT 48KM		
TUC	IP D	07 51 51.8
	E	52 09.2
	EL	56 22.0
ALQ	IP	07 51 52.5
	E	53 19.0
CSC	EP	07 52 17.0
GCA	IP	07 52 34.8
BCN	EP D	07 52 42.6
	EL	08 00 38.0
FGU	I(P)	07 52 49.8
RCD	EP	07 53 08.5
EUR	IP	07 53 11.2
	E(S)	58 03.2
	IL	08 02 29.5
BOZ	EP	07 53 39.2
BUT	EP	07 53 45.7
HHM	EP	07 54 07.0
COL	IP	07 57 16.2
OCT 9		
H-09 37 07.5		
16.0N 091.6W		
h ABOUT 211KM		
ALQ	EP	09 41 56.2
BCN	EP	09 42 47.5
EUR	EP	09 43 13.2
COL	EP	09 47 04.2
OCT 9		
TUC	EP	09 42 35.6
	E	42 41.5
OCT 9		
COL	IP	09 47 43.8
OCT 9		
SJG	IP	10 00 34.5
	IS	00 55.0
OCT 9		
H-10 10 43.7		
48.1N 114.4W		
h ABOUT 33KM		
HHM	IP	10 10 52.3
BUT	E(P)	10 11 10.6
	IL	11 46.6
BOZ	EP	10 11 30.5
	ES	12 04.0
OCT 9		
COL	EP	11 26 38.0
OCT 9		
H-13 23 42.3		
34.4N 141.0E		
h ABOUT 38KM		
GUA	IP	13 28 26.0
COL	IP	13 32 46.2
BOZ	EP	13 35 30.0
EUR	IP	13 35 37.7
	I	35 47.2
FGU	E(P)	13 35 49.3
BCN	EP	13 35 52.0
TUC	EP	13 36 17.3
ALQ	EP	13 36 23.8
OCT 9		
COL	EP	14 03 13.4
	E	04 07.5
OCT 9		
EUR	EP	17 54 34.0
OCT 9		
SJG	IP	18 14 25.9
	IS	14 48.2
OCT 9		
CED	IP	18 34 57.3
	IS	35 20.3
EUR	E(P)	18 35 18.5
OCT 9		
TUC	EP	20 06 45.0
OCT 9		
BOZ	IP	20 12 22.0
BUT	IP	20 12 24.5
	IL	12 39.5
HHM	EP	20 13 10.0
	I	14 04.0
EUR	E(P)	20 13 43.1
	I(S)	15 21.6
OCT 9		
ALQ	EP	20 44 02.4
	I	44 09.6
OCT 9		
KIP	E(P)	21 25 43.1
OCT 9		
EUR	E(P)	22 53 25.2
OCT 9		
HHM	EP	22 59 50.5
OCT 10		
CSC	EP	00 16 47.0
OCT 10		
H-00 35 59.3		
51.8N 175.4W		
h ABOUT 53KM		
COL	EP	00 40 20.0
BRW	E(P)	00 40 57.3
	E	41 12.5
HHM	EP	00 43 19.0
	EPCP	45 30.0
BOZ	IP	00 43 41.5
	EPCP	45 40.0
EUR	IP	00 43 50.1
	FSCP	49 28.5
FGU	E(P)	00 44 07.7
BCN	E(P)	00 44 17.5
RCD	E(P)	00 44 27.5
TUC	EP	00 44 49.7
ALQ	E(P)	00 44 51.6
OCT 10		
KIP	E(P)	01 17 16.6
OCT 10		
TUC	E(P)	06 00 21.6
EUR	EP	06 01 09.0
OCT 10		
EUR	EP	06 21 21.3
OCT 10		
EUR	EP	06 48 51.6
OCT 10		
H-06 57 13.0		
19.4S 067.9W		
h ABOUT 207KM		
EUR	EP	07 08 26.7
OCT 10		
BOZ	EP	09 02 03.0
OCT 10		
COL	IP	09 08 55.0
EUR	EP	09 09 47.8
OCT 10		
H-10 20 57.4		
26.5N 128.5E		
h ABOUT 10KM		
GUA	EP	10 25 31.0
	ES	29 11.0
COL	EP	10 31 32.0
BOZ	E(P)	10 33 58.5
	E	34 11.0
EUR	EP	10 34 04.2
BUT	E(P)	10 34 07.1
BCN	EP	10 34 16.5

Date and Station	Phase (GCT) h m s
OCT 10	
EUR IP	10 42 07.5
IL	42 33.5
OCT 10	
COL EP	10 50 52.0
OCT 10	
H-11 29 47.1	
16.5S 179.0W	
h ABOUT 541KM	
EUR EP	11 41 06.5
TUC EP	11 41 08.8
OCT 10	
CED IP	11 35 42.7
IS	35 58.0
BCN IP	11 35 55.1
I	36 00.1
IL	36 26.1
TUC E(P)	11 36 30.5
E(L)	37 49.3
EUR EP	11 36 42.2
E(S)	39 10.6
OCT 10	
H-15 50 07.9	
36.5N 140.3E	
h ABOUT 102KM	
COL EP	15 58 54.0
EUR EP	16 01 49.9
OCT 10	
GUA EP	16 16 38.5
ES	17 01.2
OCT 10	
EUR E(P)	16 29 09.2
OCT 10	
H-16 46 19.1	
1.1S 081.7W	
h ABOUT 33KM	
ALQ IP	16 54 17.6
EUR E(P)	16 55 28.6
ROZ EP	16 55 38.5
OCT 10	
H-17 16 44.6	
6.7S 155.0E	
h ABOUT 109KM	
COL EP	17 28 57.4
F	29 05.7
EUR EP	17 29 50.3
OCT 10	
H-17 25 45.6	
59.2S 025.0W	
h ABOUT 65KM	
SJG EP	17 38 09.5
ALQ EP'	17 44 07.0
E	44 21.4
IPP	45 17.0
TUC EP'	17 44 20.0
FGU EP'	17 44 26.5
BCN EP'	17 44 31.3
E>P'	44 50.0
EPP	45 55.2
RCD EP'	17 44 32.5
SLC EP'	17 44 34.7
EUR EP'	17 44 36.8
E>P'	44 56.9
EPP	46 17.0
EPKKP	54 26.5
ESKKP	58 12.0
ROZ EP'	17 44 42.5
E>P'	45 00.0
EPP	46 39.0
BUT EP'	17 44 43.6
HHM EP'	17 44 47.0
ESKP	48 04.5
SIT EP'	17 45 15.5
COL EP'	17 45 25.0
I	45 36.2
IP'	45 49.1
EPP	54 18.5
BRW E(P')	17 45 49.0
EP'	46 03.5
I	46 26.8
OCT 10	
GUA E(P)	18 31 15.0
E(S)	34 18.0
OCT 10	
COL EP	18 53 41.5
OCT 10	
EUR EP	19 35 40.8
I(L)	36 06.3
OCT 10	
HHM EP	21 56 09.0
OCT 10	
EUR IP	22 14 46.5
BCN E(P)	22 15 25.3
EL	16 15.0
OCT 10	
H-22 39 10.0	
44.8N 111.8W	
h ABOUT 33KM	
ROZ IP	22 39 23.0
BZM IP	22 39 27.9
IS	39 41.0
BUT EP	22 39 32.3
IS	39 50.3
FGU EP	22 40 08.5
I	40 17.0
IL	41 13.0
HHM IP	22 40 08.8
IL	41 06.8
EUR EP	22 40 42.3
I	40 53.6
EL	42 15.7
GCA EP	22 41 06.3
RCD E(P)	22 41 41.0
ALQ IP	22 41 42.4
OCT 10	
H-23 06 46.4	
20.4N 105.8W	
h ABOUT 33KM	
TUC E(P)	23 09 45.3
EUR EP	23 11 27.8
OCT 10	
EUR E(P)	23 17 12.0
OCT 10	
H-23 23 11.3	
34.1N 117.5W	
h ABOUT 9KM	
CED IP	23 23 15.8
BCN IP	23 23 58.8
I	24 06.9
IL	24 42.5
EUR EP	23 24 36.1
I	24 52.9
E(S)	25 48.0
GCA E(P)	23 24 37.0
TUC E(P)	23 24 41.5
EL	26 17.4
ALQ IP	23 25 29.0
I	26 03.0
OCT 10	
ALQ EP	23 53 20.5
EUR EP	23 55 16.5
F	55 28.5
OCT 11	
H-01 10 57.9	
16.9N 098.0W	
h ABOUT 33KM	
TUC EP	01 15 21.0
OCT 11	
H-02 28 40.2	
52.5S 013.1E	
h ABOUT 33KM	
HHM EP'	02 48 18.5
OCT 11	
H-02 34 21.8	
32.6S 069.2W	
h ABOUT 121KM	
ALQ EP	02 45 55.5
EUR IP	02 46 39.0
OCT 11	
COL EP	02 50 48.0
OCT 11	
TUC E(P)	04 13 37.0
OCT 11	
TUC EP	04 29 41.0
OCT 11	
H-04 52 14.4	
08.1N 126.8E	
h ABOUT 91KM	
BRW E(P)	05 04 08.7
E	04 19.8
COL EP	05 04 19.0
I	04 29.6
OCT 11	
COL EP	05 58 00.0
I	58 02.0
OCT 11	
H-08 20 57.6	
06.4S 153.8E	
h ABOUT 55KM	
EUR IP	08 34 12.2
OCT 11	
EUR EP	08 48 19.6
OCT 11	
COL E(P)	10 17 21.0
OCT 11	
H-11 16 32.0	
24.0S 179.6E	
h ABOUT 551KM	
TUC EP	11 28 19.3
EUR EP	11 28 21.1
OCT 11	
COL EP	12 30 56.0
OCT 11	
EUR IP	12 35 49.0
ALQ E(P)	12 36 12.4
OCT 11	
COL EP	12 42 36.0
OCT 11	
H-14 28 35.1	
52.9N 176.9W	
h ABOUT 33KM	
EUR E(P)	14 36 39.1

Date and Station	Phase (GCT) h m s
OCT 11	
COL IP	15 28 04.4
OCT 11	
H-15 47 55.4	
50.5N 129.5W	
h ABOUT 33KM	
HHM E(P)	15 50 23.3
BOZ EP	15 50 58.5
E	54 00.0
EUR EP	15 51 23.2
E	51 44.8
COL EP	15 51 55.0
CED EP	15 52 10.9
RCD E(P)	15 52 16.0
TUC E(P)	15 52 56.8
E	53 04.8
OCT 11	
ALQ IP	16 15 19.4
OCT 11	
SJG EP	17 29 43.0
I	29 53.0
I	30 33.0
IL	30 51.1
OCT 11	
SJG IP	17 53 46.4
IS	54 17.3
OCT 11	
H-17 54 55.3	
50.8N 129.3W	
h ABOUT 52KM	
HHM E(P)	17 57 20.3
E(S)	59 24.3
BOZ EP	17 57 58.5
EL	18 01 48.0
EUR IP	17 58 21.9
COL EP	17 58 53.0
ALQ IP	17 59 55.0
TUC EP	17 59 55.7
OCT 11	
COL EP	18 07 43.0
OCT 11	
H-18 10 27.7	
25.3S 176.6W	
h ABOUT 33KM	
TUC EP	18 23 02.5
OCT 11	
BHP IP	18 27 27.0
IS	28 12.0
OCT 11	
EUR EP	18 59 41.8

Date and Station	Phase (GCT) h m s
OCT 11	
HHM EP	19 29 31.3
OCT 11	
H-20 01 25.5	
44.1N 149.6E	
h ABOUT 33KM	
BOZ EP	20 12 06.5
EUR IP	20 12 15.0
OCT 11	
BUT E(P)	21 02 34.6
IL	02 49.1
OCT 11	
COL IP	21 13 03.7
OCT 11	
GCA EP	21 29 10.7
OCT 11	
COL E(P)	21 42 48.9
OCT 11	
H-23 11 01.3	
22.5S 179.6W	
h ABOUT 568KM	
TUC EP	23 22 41.0
OCT 12	
GCA IP	00 01 55.0
E(S)	02 28.0
OCT 12	
EUR EP	00 47 47.5
OCT 12	
HON EL	00 58 46.0
OCT 12	
FGU EP	05 38 15.5
I	38 17.3
GCA IP	05 38 40.0
OCT 12	
H-06 27 16.8	
52.1N 174.8W	
h ABOUT 18KM	
COL IP	06 31 37.6
BRW IP	06 32 00.0
E	32 05.4
HHM EP	06 34 35.8
BOZ IP	06 34 59.0
I	37 00.0
EPCP	37 05.8
EUR IP	06 35 07.8
IPP	35 13.0
IPCP	37 03.6
ESCP	41 01.5
FGU E(P)	06 35 26.3
CED IP	06 35 27.7
IPP	35 33.3

Date and Station	Phase (GCT) h m s
BCN EP	06 35 30.5
GCA EP	06 35 41.8
RCD EP	06 35 45.0
EPCP	37 19.0
TUC EP D	06 36 09.0
EPP	36 14.0
ALQ IP	06 36 15.5
I	37 33.5
CSC E(P)	06 38 04.0
SJG EP	06 40 02.3
OCT 12	
H-06 38 08.2	
51.9N 176.4W	
h ABOUT 126KM	
COL IP	06 42 28.5
EUR IP	06 45 54.8
TUC E(P)	06 46 56.2
OCT 12	
H-06 47 06.3	
29.9S 177.7W	
h ABOUT 51KM	
EUR EP	07 00 01.0
E	00 13.7
OCT 12	
H-07 27 44.0	
22.7S 170.9E	
h ABOUT 64KM	
BCN EP	07 40 43.5
EUR IP	07 40 47.1
TUC E(P)	07 40 49.0
COL EP	07 40 53.0
OCT 12	
H-08 16 23.1	
59.5N 144.6W	
h ABOUT 4KM	
COL EP	08 17 48.4
E	18 21.0
EL	19 17.0
EL	19 55.0
HHM EP	08 21 09.8
EL	28 12.3
BUT EP	08 21 33.9
BOZ EP	08 21 41.2
ESCP	29 00.0
EUR IP	08 22 08.2
E	22 49.0
ESCP	29 09.0
FGU E(P)	08 22 16.5
RCD E(P)	08 22 29.0

Date and Station	Phase (GCT) h m s
BCN EP	08 22 39.0
ALQ IP	08 23 18.8
TUC EP	08 23 20.2
PHI EL	08 38 19.4
OCT 12	
ALQ EP	08 43 48.5
OCT 12	
KIP E(P)	09 05 10.6
OCT 12	
KIP EP	09 29 44.1
OCT 12	
COL EP	09 49 03.0
OCT 12	
BOZ EP	09 55 46.5
OCT 12	
H-10 43 07.5	
22.6N 044.6W	
h ABOUT 33KM	
RCD E(P)	10 52 18.0
ALQ EP	10 52 37.0
E	52 44.0
TUC EP	10 53 05.0
E	53 11.5
BCN E(P)	10 53 30.5
OCT 12	
COL EP	11 51 34.0
OCT 12	
H-13 40 59.4	
56.1N 153.6W	
h ABOUT 29KM	
COL E(P)	13 43 08.5
E	45 09.0
EL	46 07.0
SIT EP	13 43 26.0
BRW EP	13 44 36.5
I	44 44.5
EL	48 01.1
EL	49 37.3
HHM EP	13 46 23.3
E	48 57.8
ES	50 53.3
BUT E(P)	13 46 38.4
ES	51 23.4
BOZ EP	13 46 51.2
ES	51 36.0
EUR IP	13 47 05.8
FGU E(P)	13 47 22.0
BCN EP	13 47 33.8
CED EP	13 47 34.3

Date and Station	Phase (GCT)
	h m s
RCD EP	13 47 40.5
ES	53 05.0
GCA EP	13 47 42.5
TUC EP	13 48 15.4
ES	54 12.0
ALQ IP	13 48 19.2
ES	54 19.6
WAS E(P)	13 50 09.0
EL	14 09 31.0
PHI ES	13 57 18.8
SJG EP	13 52 33.4
ES	14 02 00.0
OCT 12	
BCN EP	13 45 24.3
OCT 12	
KIP E(P)	13 49 02.5
OCT 12	
BCN EP	13 50 16.5
OCT 12	
BCN EP	13 54 00.5
OCT 12	
FUR E(P)	14 04 15.5
OCT 12	
COL EP	14 09 26.0
OCT 12	
H-14 07 43.2	
40.3S 078.0E	
h ABOUT 33KM	
TUC EP'	14 27 50.2
FUR EP'	14 27 50.3
BOZ EP'	14 27 50.5
OCT 12	
FUR EP	14 19 06.5
OCT 12	
HON E(P)	14 24 05.0
KIP E(P)	14 24 05.4
E(S)	24 16.0
OCT 12	
H-14 23 37.2	
56.5N 152.9W	
h ABOUT 33KM	
COL EP	14 25 44.0
BRW E(P)	14 27 17.4
OCT 12	
COL IP	14 53 28.6
I	53 42.0
OCT 12	
H-14 58 14.4	
56.2N 153.9W	
h ABOUT 24KM	

Date and Station	Phase (GCT)
	h m s
COL E(P)	15 00 25.6
EL	03 36.0
BRW E(P)	15 01 58.9
BOZ E(P)	15 04 11.0
FUR EP	15 04 23.0
BCN EP	15 04 50.5
OCT 12	
H-15 10 46.8	
1.4S 080.9W	
h ABOUT 33KM	
SJG EP'	15 16 02.0
E	16 15.0
OCT 12	
KIP E(P)	15 41 32.0
OCT 12	
EUR E(P)	16 50 20.0
E	50 53.0
OCT 12	
COL EP	17 57 17.0
OCT 12	
SJG IP	19 03 00.4
IS	03 25.0
OCT 12	
COL EP	20 16 32.3
E	16 43.3
OCT 12	
EUR EP	20 27 31.6
E	27 45.2
OCT 12	
FUR E(P)	20 37 51.5
OCT 12	
GUA IP	20 45 51.0
IS	46 06.0
OCT 12	
TUC E(P)	22 35 50.7
OCT 12	
GCA EP	23 02 10.2
OCT 13	
BUT EP	00 07 37.4
OCT 13	
GUA EP	01 50 08.0
IS	50 22.0
OCT 13	
SJG EP	02 11 32.8
IL	12 08.2
OCT 13	
FUR EP	03 39 47.0
OCT 13	
H-03 53 16.7	
71.1N 020.0W	
h ABOUT 34KM	
COL IP	04 00 47.5

Date and Station	Phase (GCT)
	h m s
HHM EP	04 01 41.8
EUR IP	04 02 47.8
ALQ I(P)	04 02 50.6
TUC EP	04 03 22.0
E	03 27.2
OCT 13	
COL E(P)	04 46 47.1
E	46 58.2
OCT 13	
ALQ E(P)	05 03 14.5
OCT 13	
FGU IP	06 52 59.4
I	53 21.3
EUR IP	06 53 28.9
IL	54 29.5
ALQ EP	06 54 56.0
OCT 13	
COL IP	09 46 12.2
OCT 13	
H-09 57 26.7	
06.4S 153.0E	
h ABOUT 223KM	
COL IP	10 09 30.4
EUR IP	10 10 24.0
OCT 13	
COL EP	12 38 06.0
OCT 13	
H-12 44 42.9	
06.1S 149.9E	
h ABOUT 52KM	
COL EP	12 57 09.0
EUR EP	12 58 12.0
OCT 13	
TUC E(P)	13 00 22.9
OCT 13	
EUR EP	13 43 18.4
OCT 13	
ALQ EP	14 45 47.0
OCT 13	
COL IP	14 48 31.1
OCT 13	
H-14 46 24.2	
22.8S 171.1E	
h ABOUT 21KM	
GUA EP	14 54 37.0
CED E(P)	14 59 17.6
BCN EP	14 59 30.0
EUR IP	14 59 33.0

Date and Station	Phase (GCT)
	h m s
COL EP	14 59 35.0
TUC FP	14 59 36.5
ALQ E(P)	14 59 50.5
SJG EP'	15 05 26.5
E	05 35.0
OCT 13	
H-15 13 40.6	
16.5S 166.9E	
h ABOUT 22KM	
COL IP	15 26 26.1
FUR IP	15 26 45.1
OCT 13	
H-15 43 09.6	
36.5N 139.4E	
h ABOUT 123KM	
COL EP	15 51 56.0
E>P	52 25.0
FUR IP	15 54 53.5
E(>P)	55 21.9
OCT 13	
H-16 25 38.0	
56.7N 151.6W	
h ABOUT 33KM	
COL EP	16 27 39.0
EUR E(P)	16 31 35.0
OCT 13	
COL EP	16 35 09.0
OCT 13	
COL EP	17 04 46.0
OCT 13	
TUC E(P)	18 05 27.0
OCT 13	
SJG IP C	19 07 36.4
I	07 48.5
IS	08 14.0
OCT 13	
COL IP	19 47 20.3
OCT 13	
KIP EP	20 33 45.8
OCT 13	
EUR EP	21 09 24.5
OCT 13	
COL EP	21 22 59.0
OCT 13	
FGU IP	21 57 59.2
ALQ E(P)	21 58 51.5
EUR IP	21 59 14.0
OCT 13	
EUR E(P)	22 28 50.0

Date and Station	Phase	(GCT) h m s
OCT 13		
H-22 55 40.5		
53.7N 161.7E		
h ABOUT 53KM		
COL	IP	23 01 21.7
EUR	IP	23 05 11.0
	I	05 23.0
OCT 14		
KIP	EP	01 43 24.2
OCT 14		
COL	EP	01 46 15.0
OCT 14		
COL	IP	02 46 13.5
OCT 14		
H-03 28 08.1		
32.3S 071.8W		
h ABOUT 36KM		
SJG	E(P)	03 36 05.8
	I	36 17.5
TUC	E(P)	03 39 41.7
ALQ	IP	03 39 44.4
FGU	IP	03 40 19.5
RCD	EP	03 40 22.0
EUR	IP	03 40 28.7
HHM	EP	03 40 58.4
OCT 14		
H-04 56 19.4		
22.0S 068.6W		
h ABOUT 106KM		
ALQ	EP	05 07 04.0
EUR	EP	05 07 54.7
OCT 14		
TUC	E(P)	06 20 25.7
	EL	21 14.4
OCT 14		
TUC	E(P)	06 41 42.2
OCT 14		
SJG	IP	07 02 27.5
	IS	03 16.5
OCT 14		
H-08 02 09.7		
34.3N 139.1E		
h ABOUT 25KM		
COL	IP	08 11 21.9
HHM	IP	08 13 51.5
BUT	EP	08 14 03.9
EUR	IP	08 14 13.8
SLC	EP	08 14 23.7
BCN	EP	08 14 29.0
FGU	IP	08 14 31.0
ALQ	EP	08 14 58.5
OCT 14		
COL	E(P)	08 21 09.2
OCT 14		
GUA	EP	08 31 51.0
	ES	32 07.0
OCT 14		
H-08 30 03.3		
13.2N 090.8W		
h ABOUT 106KM		
ALQ	EP	08 35 27.2
EUR	IP	08 36 43.5
OCT 14		
COL	E(P)	08 58 20.0
OCT 14		
EUR	EP	09 20 31.0
OCT 14		
H-10 38 22.9		
72.3N 075.1W		
h ABOUT 33KM		
COL	IP	10 43 55.0
RCD	EL	10 50 45.0
ALQ	EP	10 46 02.8
WSC	EL	10 52 15.5
	E	53 58.0
WAS	E	10 55 21.0
OCT 14		
COL	EP	10 50 10.0
OCT 14		
EUR	E(P)	11 11 08.3
OCT 14		
H-13 44 40.7		
13.3S 165.4E		
h ABOUT 33KM		
EUR	E(P)	13 57 39.6
OCT 14		
COL	EP	13 58 36.0
OCT 14		
HON	E(P)	14 24 05.0
OCT 14		
TUC	E(P)	16 35 54.5
EUR	EP	16 36 58.2
OCT 14		
EUR	EP	17 33 21.2
	EL	33 36.0
OCT 14		
COL	EP	17 39 41.7
BRW	E	17 40 26.2
OCT 14		
H-17 41 18.1		
44.4N 148.2E		
h ABOUT 55KM		
COL	IP	17 48 50.2
EUR	IP	17 52 09.9
OCT 14		
H-17 47 35.3		
31.0N 113.0W		
h ABOUT 33KM		
TUC	E(P)	17 48 12.2
	E	48 27.1
	EL	49 12.5
CED	E(P)	17 48 48.0
ALQ	EP	17 49 17.0
	IL	51 49.2
OCT 14		
EUR	E(P)	18 21 24.2
OCT 14		
COL	IP	19 48 03.7
OCT 14		
GCA	EP	19 52 50.5
	E(S)	53 05.2
OCT 14		
COL	EP	21 42 38.0
OCT 14		
KIP	E(P)	23 35 08.4
OCT 15		
H-00 11 39.3		
27.7S 176.5W		
h ABOUT 70KM		
EUR	E(P)	00 24 20.0
OCT 15		
H-00 34 08.9		
08.5N 102.9W		
h ABOUT 33KM		
TUC	E(P)	00 39 29.0
	ES	44 00.0
ALQ	EP	00 39 43.2
BCN	EP	00 40 13.3
GCA	EP	00 40 13.9
CSC	EP	00 40 39.0
	ES	46 00.0
FGU	EP	00 40 42.0
EUR	EP	00 40 44.0
	IsP	40 58.2
	I	41 11.1
	E	41 31.5
	EL	52 45.0
SJG	EP	00 41 15.7
	ES	47 04.0
	E(SCS)	49 48.0
HHM	EP	00 41 48.0
	E	43 29.0
COL	EP	00 44 45.0
	IPCP	45 18.4
OCT 15		
TUC	EP	02 09 04.4
OCT 15		
KIP	EP	02 28 32.2
OCT 15		
KIP	EP	03 22 07.4
OCT 15		
EUR	EP	03 43 53.7
OCT 15		
COL	EP	04 18 31.0
OCT 15		
EUR	EP	04 22 02.7
OCT 15		
H-04 58 30.6		
55.6N 155.6W		
h ABOUT 33KM		
COL	EP	05 00 57.0
OCT 15		
H-07 34 36.2		
18.0S 169.0E		
h ABOUT 232KM		
COL	IP	07 47 03.2
BCN	EP	07 47 10.8
EUR	EP	07 47 12.0
	E(pP)	48 14.0
TUC	EP	07 47 18.4
OCT 15		
TUC	E(P)	08 29 52.6
OCT 15		
H-11 31 55.9		
57.1N 151.4W		
h ABOUT 33KM		
COL	IP	11 33 51.0
OCT 15		
H-14 18 39.0		
14.3N 093.7E		
h ABOUT 28KM		
EUR	IP'	14 37 29.5
ALQ	IP'	14 37 43.6
TUC	EP'	14 37 45.7
OCT 15		
COL	IP	16 45 02.0
	IL	45 56.5

Date and Station	Phase (GCT)
	h m s
HHM E(P)	16 49 05.0
OCT 15	
COL E(P)	16 55 22.4
OCT 15	
ALQ E(P)	17 26 35.4
OCT 15	
COL EP	18 57 26.0
OCT 15	
H-19 59 44.9	
4.8S 151.6E	
h ABOUT 136KM	
GUA E(P)	20 04 05.2
EUR IP	20 12 53.5
OCT 15	
COL EP	20 00 14.1
OCT 15	
CED IP	23 34 47.9
OCT 16	
COL EP	01 35 55.8
OCT 16	
H-01 44 05.5	
65.2N 164.2W	
h ABOUT 33KM	
BRW EP	01 45 45.7
E(S)	47 02.7
EL	47 41.5
COL EP	01 45 47.5
I	46 13.7
EL	47 54.5
EUR IP	01 51 19.2
ALQ EP	01 52 25.0
OCT 16	
COL EP	02 43 36.0
OCT 16	
COL EP	04 29 57.3
OCT 16	
H-07 19 04.2	
51.0N 177.1E	
h ABOUT 33KM	
COL EP	07 24 05.0
EUR IP	07 27 34.0
OCT 16	
H-08 22 53.0	
3.1N 128.5E	
h ABOUT 180KM	
GUA E(P)	08 26 58.0
EL	31 22.0
COL E(P)	08 35 06.0
EUR E(P)	08 37 01.4
IP'	41 00.2
EPKKP	52 15.4
BOZ EP'	08 41 02.5
E	41 55.5
ALQ IP'	08 41 17.3
I	42 12.3
SJG EP'	08 42 24.5
OCT 16	
H-11 00 41.4	
6.2S 149.0E	
h ABOUT 56KM	
COL IP	11 13 08.6
OCT 16	
TUC E(P)	11 21 27.4
OCT 16	
H-11 45 25.7	
63.1N 150.3W	
h ABOUT 84KM	
COL IP	11 46 00.3
I	46 19.0
BOZ E(P)	11 51 09.5
EUR IP	11 51 40.3
ALQ E(P)	11 52 47.0
OCT 16	
H-13 34 05.7	
19.5S 178.0W	
h ABOUT 535KM	
COL EP	13 45 55.1
OCT 16	
H-14 22 55.3	
9.0N 083.5W	
h ABOUT 48KM	
BHP IP	14 23 53.0
IL	27 00.0
SJG EP	14 27 17.2
ES	30 55.0
ET	45 11.5
ALQ F(P)	14 29 27.9
TUC EP	14 29 40.5
BCN FP	14 30 23.0
EUR IP	14 30 44.6
I	31 21.6
EPCP	32 43.0
BOZ EP	14 30 59.1
EPCP	32 45.7
COL EP	14 34 10.7
I	34 20.7
OCT 16	
COL E(P)	15 53 39.9
OCT 16	
KIP EP	16 08 23.0
OCT 16	
H-16 15 30.9	
06.9S 154.6E	
h ABOUT 83KM	
COL EP	16 27 49.0
EPP	28 13.2
EUR EP	16 28 41.0
OCT 16	
H-19 33 25.8	
17.5N 094.8E	
h ABOUT 40KM	
COL EP	19 46 00.0
OCT 16	
H-20 01 52.9	
56.1N 164.6E	
h ABOUT 41KM	
COL EP	20 07 10.0
HHM E(P)	20 10 25.0
EPP	10 36.0
BOZ EP	20 10 51.0
I	10 56.5
EUR IP	20 11 06.8
IPP	11 16.9
FGU EP	20 11 25.0
CED EP	20 11 29.4
RCD E(P)	20 11 38.0
E	11 44.0
TUC E(P)	20 12 04.0
ALQ F(P)	20 12 05.0
EPP	12 16.3
OCT 16	
H-20 32 19.0	
30.2N 141.1E	
h ABOUT 85KM	
COL E(P)	20 41 46.0
EUR F(P)	20 44 28.7
OCT 16	
H-22 05 03.6	
24.7S 067.4W	
h ABOUT 96KM	
SJG EP	22 12 51.5
ALQ F(P)	22 16 06.4
FPP	16 32.0
EUR EP	22 16 55.4
OCT 16	
EUR EP	22 09 36.5
OCT 16	
H-22 14 15.1	
15.2S 173.5W	
h ABOUT 45KM	
KIP IP	22 21 43.4
IsP	22 00.5
HON EP	22 21 44.0
BCN EP	22 25 56.0
EUR IP	22 26 01.8
IsP	26 20.1
TUC EP	22 26 02.0
E(PP)	26 14.0
GCA I(P)	22 26 11.2
ALQ IP	22 26 26.2
FGU FP	22 26 29.0
COL IP	22 26 32.2
IPP	26 45.5
BOZ IP	22 26 33.5
EPP	26 46.0
OCT 16	
H-22 46 28.6	
52.1N 160.4E	
h ABOUT 33KM	
COL FP	22 52 27.0
BOZ EP	22 55 56.7
EUR IP	22 56 09.9
RCD EP	22 56 36.0
ALQ EP	22 57 07.0
OCT 16	
H-22 52 15.2	
22.3S 175.1W	
h ABOUT 119KM	
EUR E(P)	23 04 26.7
ALQ IP	23 04 46.6
COL EP	23 05 00.3
OCT 16	
H-23 33 03.8	
19.6S 178.1W	
h ABOUT 594KM	
EUR IP	23 44 27.3
TUC EP	23 44 27.5
COL EP	23 44 48.0
ALQ E(P)	23 44 48.0
OCT 17	
KIP E(P)	01 21 24.0
OCT 17	
H-01 47 42.3	
30.2S 069.3W	
h ABOUT 27KM	
ALQ IP	01 59 15.9

Date and Station	Phase	Phase (GCT) h m s
EUR	IP	02 00 00.5
OCT 17		
H-01 53 33.7		
8.0S 156.3E		
h ABOUT 20KM		
GUA	EP	01 58 51.0
	E(S)	02 02 43.0
COL	IP	02 06 00.2
FUR	IP	02 06 50.0
	IpP	06 56.8
	EPP	10 42.0
	EPKKP	24 08.4
BCN	EP	02 06 52.0
ALQ	E(P)	02 07 25.0
	EPP	11 35.5
SJG	EP'	02 12 56.5
	ESKP	16 34.0
OCT 17		
BOZ	IP	02 41 10.0
OCT 17		
H-03 55 15.3		
15.6S 173.8W		
h ABOUT 51KM		
KIP	E(P)	04 02 44.6
	I	03 08.8
BCN	E(P)	04 06 59.3
	EsP	07 19.5
FUR	EP	04 07 04.1
	EsP	07 24.5
TUC	EP	04 07 04.5
	EsP	07 25.6
GCA	E(P)	04 07 12.7
ALQ	EP	04 07 28.0
COL	IP	04 07 33.7
	I	07 58.6
BOZ	EP	04 07 36.0
OCT 17		
H-04 28 29.0		
51.2N 156.9E		
h ABOUT 62KM		
COL	IP	04 34 43.8
	IsP	35 07.9
FUR	IP	04 38 24.3
BCN	EP	04 38 44.9
TUC	E(P)	04 39 16.5
ALQ	IP	04 39 20.3
OCT 17		
COL	EP	06 58 03.0
	IL	59 40.1
OCT 17		
EUR	E(P)	07 42 04.3
OCT 17		
COL	E(P)	09 31 45.9
OCT 17		
H-09 45 17.8		
34.0N 116.8W		
h ABOUT 16KM		
CED	IP	09 45 29.8
BCN	IP D	09 45 59.9
	IL	46 39.7
TUC	EP	09 46 35.0
	EL	48 04.0
GCA	IP	09 46 42.0
FUR	IP D	09 46 42.6
ALQ	IP	09 47 24.0
	I	47 28.7
	IL	49 46.0
FGU	EP	09 47 33.5
BOZ	E(P)	09 48 24.0
	EL	51 40.0
RCD	E(P)	09 48 46.0
HHM	F(P)	09 48 52.0
COL	EP	09 52 22.0
OCT 17		
H-10 41 17.0		
06.8N 073.0W		
h ABOUT 157KM		
SJG	EP	10 44 17.5
	ES	46 31.5
ALQ	E(P)	10 48 51.0
TUC	EP	10 49 05.6
EUR	EP	10 50 00.6
OCT 17		
BCN	IP	12 36 32.3
	I	36 39.0
	IL	37 12.8
EUR	EP	12 37 16.1
	F	38 48.4
OCT 17		
EUR	EP	12 46 16.4
OCT 17		
H-14 09 05.1		
15.9S 073.2W		
h ABOUT 105KM		
EUR	E(P)	14 19 56.2
OCT 17		
BCN	IP C	14 37 33.4
	I	37 40.5
	IL	38 14.6
OCT 17		
H-15 36 51.9		
34.0N 116.8W		
h ABOUT 16KM		
CED	IP	15 37 02.9
TUC	E(P)	15 38 09.0
	EL	39 38.0
EUR	IP	15 38 16.6
	I	15 38 35.7
	IL	39 44.8
OCT 17		
SJG	IP	16 19 15.5
	IS	19 33.6
OCT 17		
COL	EP	16 36 02.0
OCT 17		
EUR	IP	17 15 12.5
BCN	E(P)	17 16 03.8
	IL	17 03.0
OCT 17		
H-17 48 39.2		
34.2N 139.2E		
h ABOUT 33KM		
COL	EP	17 57 51.0
HHM	EP	18 00 21.0
BOZ	EP	18 00 36.5
EUR	EP	18 00 39.9
	E	01 20.0
BCN	EP	18 00 57.9
ALQ	E(P)	18 01 27.7
OCT 17		
H-18 56 08.0		
05.0S 151.2E		
h ABOUT 175KM		
GUA	EP	19 00 24.0
COL	EP	19 08 11.2
	EpP	08 59.0
FUR	EP	19 09 14.5
OCT 17		
BCN	E(P)	21 59 30.0
	F	59 37.1
	IL	22 00 09.4
OCT 17		
H-22 06 20.8		
26.4N 109.3W		
h ABOUT 33KM		
TUC	E(P)	22 07 44.5
ALQ	E(P)	22 08 30.0
FUR	E(P)	22 09 42.5
OCT 17		
COL	EP	22 24 45.5
OCT 17		
TUC	E(P)	22 30 04.6
	E(L)	32 08.3
ALQ	IP	22 30 51.0
EUR	IP	22 32 [illegible]
OCT 17		
COL	EP	22 35 04.6
OCT 17		
COL	EP	23 33 10.7
OCT 18		
EUR	E(P)	00 19 16.0
COL	EP	00 19 54.0
OCT 18		
H-00 55 32.7		
27.9S 066.8W		
h ABOUT 161KM		
ALQ	I(P)	01 06 46.3
EUR	E(P)	01 07 32.0
OCT 18		
H-02 39 40.3		
07.4S 128.5E		
h ABOUT 171KM		
COL	EP	02 52 38.0
EUR	IP'	02 58 02.2
	EPP	58 58.7
BOZ	EP'	02 58 06.0
TUC	EP'	02 58 13.2
ALQ	IP'	02 58 19.6
SJG	EP'	02 59 23.5
OCT 18		
EUR	IP	02 40 41.0
TUC	IP	02 40 42.1
ALQ	IP	02 41 02.8
COL	IP	02 41 03.7
OCT 18		
SJG	EP	03 00 11.5
OCT 18		
FUR	EP	03 08 43.3
OCT 18		
FUR	E(P)	03 47 14.3
OCT 18		
BCN	EP	04 23 59.0
	EL	24 30.0

Date and Station	Phase (GCT)
	h m s
OCT 18	
H-04 58 02.5	
1.4N 085.2W	
h ABOUT 33KM	
SJG EP	05 03 25.9
ALQ IP	05 05 27.0
IPCP	07 36.5
TUC EP	05 05 28.5
BCN EP	05 06 10.7
FGU EP	05 06 17.5
FUR IP	05 06 34.0
EPCP	08 04.0
BOZ EP	05 06 53.5
HHM EP	05 07 18.0
COL EP	05 09 55.0
OCT 18	
H-05 24 41.6	
1.5N 085.2W	
h ABOUT 33KM	
SJG EP	05 30 04.5
ALQ IP	05 32 05.7
TUC EP	05 32 07.0
BCN EP	05 32 48.7
FGU EP	05 32 56.0
EUR EP	05 33 12.0
EPCP	34 42.2
BOZ EP	05 33 32.0
HHM EP	05 33 55.0
OCT 18	
ALQ E(P)	05 41 38.0
OCT 18	
EUR EP	05 54 51.8
OCT 18	
COL EP	06 55 14.5
OCT 18	
H-08 22 26.7	
22.6S 170.9E	
h ABOUT 23KM	
FUR E(P)	08 35 34.3
OCT 18	
COL EP	09 48 40.3
OCT 18	
H-10 21 45.6	
42.0N 077.6E	
h ABOUT 19KM	
COL IP	10 32 43.2
I	32 48.2

Date and Station	Phase (GCT)
	h m s
HHM EP	10 34 42.0
BOZ EP	10 34 56.7
RCD EP	10 35 06.0
E	35 11.0
EUR IP	10 35 23.1
ALQ E(P)	10 35 48.8
OCT 18	
COL EP	10 31 14.0
OCT 18	
H-10 33 55.9	
46.3N 142.3E	
h ABOUT 318KM	
COL IP	10 41 10.1
BOZ EP	10 44 21.5
EUR IP	10 44 32.8
ALQ E(P)	10 45 22.8
OCT 18	
ALQ I(P)	11 02 31.8
OCT 18	
COL E(P)	11 17 46.2
OCT 18	
COL EP	11 48 00.6
OCT 18	
EUR EP	12 08 35.5
OCT 18	
EUR EP	12 21 14.0
E(S)	22 53.8
OCT 18	
CED EP	12 33 07.2
IL	33 27.5
OCT 18	
H-12 40 41.4	
4.1S 137.2E	
h ABOUT 63KM	
GUA E(P)	12 44 55.0
COL EP	12 53 22.0
SJG EP'	13 00 39.0
OCT 18	
H-12 57 14.7	
19.2S 069.5W	
h ABOUT 179KM	
SJG EP	13 04 10.4
ALQ I(P)	13 07 33.8
TUC EP	13 07 36.0
FUR EP	13 08 25.6
OCT 18	
COL EP	14 39 50.2

Date and Station	Phase (GCT)
	h m s
OCT 18	
COL EP	15 10 58.0
OCT 18	
BCN EP	15 25 47.9
OCT 18	
H-16 17 41.3	
01.6N 085.2W	
h ABOUT 33KM	
SJG EP	16 23 03.0
ALQ IP	16 25 04.4
BOZ EP	16 26 31.5
COL E(P)	16 29 33.0
OCT 18	
KIP EP	16 18 08.9
HON EP	16 18 09.3
OCT 18	
EUR EP	16 59 46.0
OCT 18	
EUR IP	17 57 19.5
OCT 18	
COL E(P)	18 22 14.0
OCT 18	
EUR E(P)	19 21 32.9
OCT 18	
COL EP	21 41 23.0
OCT 18	
H-21 50 05.5	
01.2S 127.8E	
h ABOUT 33KM	
GUA EP	21 55 04.0
ES	59 09.0
KIP E(P)	22 01 57.4
EL	21 40.0
HON E(P)	22 01 57.5
ES	11 48.0
EL	21 02.0
COL EP	22 02 55.0
F(PP)	06 22.5
HHM EP'	22 08 36.0
EUR IP'	22 08 39.5
EPP	09 36.2
F	12 25.3
EPKKP	19 41.5
BOZ EP'	22 08 40.0
BCN EP'	22 08 52.3
RCD EP'	22 08 54.0
ALQ EP'	22 08 55.0
EPKKP	19 07.5

Date and Station	Phase (GCT)
	h m s
WAS EP'	22 09 34.0
E(PP)	12 14.0
SJG EP'	22 10 04.0
E	14 39.5
OCT 18	
EUR IP	22 05 03.0
OCT 18	
BHP IP	22 10 03.0
IS	10 28.0
OCT 18	
COL EP	22 28 46.0
OCT 18	
H-22 48 41.9	
18.2N 061.1W	
h ABOUT 104KM	
SJG EP	22 49 48.5
E	50 01.0
RCD EP	22 56 40.0
GCA E(P)	22 57 10.8
BOZ E(P)	22 57 15.5
BUT E(P)	22 57 21.4
HHM EP	22 57 41.0
COL EP	22 59 58.0
OCT 18	
H-22 50 42.5	
15.6N 095.4W	
h ABOUT 47KM	
TUC I(P)	22 55 25.6
ALQ IP	22 55 30.6
EL	23 02 14.5
BCN IP D	22 56 20.0
EL	23 05 23.0
FGU EP	22 56 31.3
EUR IP	22 56 47.2
OCT 18	
H-23 01 11.2	
01.1S 127.7E	
h ABOUT 34KM	
GUA E(P)	23 06 09.0
COL E(P)	23 14 12.0
ALQ EP'	23 20 01.0
OCT 19	
COL EP	01 18 43.5
OCT 19	
ALQ E(P)	01 46 07.4
OCT 19	
TUC E(P)	04 35 26.0

Date and Station	Phase	(GCT) h m s
OCT 19		
COL	EP	04 59 51.0
OCT 19		
H-05 12 38.3		
18.9N 101.3W		
h ABOUT 137KM		
TUC	E(P)	05 16 17.0
ALQ	IP	05 16 25.7
	EL	21 28.2
GCA	IP	05 17 04.5
BCN	EP	05 17 10.5
	E	17 29.5
	EL	24 02.0
EUR	EP	05 17 42.7
	E	18 07.6
RCD	EP	05 17 53.0
BOZ	E(P)	05 18 18.0
COL	EP	05 21 59.0
OCT 19		
COL	EP	07 01 14.0
OCT 19		
H-07 41 52.6		
6.9S 154.4E		
h ABOUT 135KM		
COL	EP	07 54 06.0
EUR	IP	07 54 57.6
OCT 19		
H-09 00 26.1		
44.0N 149.4E		
h ABOUT 33KM		
COL	IP	09 07 57.7
BOZ	EP	09 11 08.0
EUR	EP	09 11 16.7
ALQ	E(P)	09 12 09.5
OCT 19		
H-10 43 08.2		
6.8S 154.2E		
h ABOUT 164KM		
COL	IP	10 55 17.0
EUR	IP	10 56 09.7
OCT 19		
EUR	EP	11 37 09.8
OCT 19		
COL	IP	12 04 43.4
OCT 19		
H-12 05 07.4		
48.9N 153.9E		
h ABOUT 58KM		
BOZ	EP	12 15 11.0
EUR	EP	12 15 21.4
	E	15 51.9
	EPCP	16 11.3
TUC	E(P)	12 16 12.0
OCT 19		
COL	EP	12 12 21.0
OCT 19		
H-12 53 33.5		
51.8N 175.1E		
h ABOUT 45KM		
COL	EP	12 58 36.5
EUR	IP	13 02 08.5
OCT 19		
COL	EP	13 06 26.0
OCT 19		
KIP	E(P)	13 39 15.1
OCT 19		
H-14 16 57.1		
01.4S 127.3E		
h ABOUT 33KM		
ALQ	EP	14 35 50.2
OCT 19		
CED	E(P)	14 57 42.5
	EL	58 11.6
OCT 19		
EUR	EP	15 33 24.1
OCT 19		
COL	IP	17 12 47.3
OCT 19		
EUR	E(P)	18 10 25.7
OCT 19		
COL	EP	18 32 28.0
OCT 19		
COL	EP	19 54 10.0
OCT 19		
H-20 48 47.6		
52.3N 174.4E		
h ABOUT 50KM		
COL	EP	20 53 48.3
	IPCP	57 17.5
	ES	58 00.0
KIP	IP	20 56 00.3
HON	ES	21 01 12.0
	EL	05 32.0
HHM	EP	20 56 53.0
	I▸P	57 08.0
	IPCP	58 38.0
	EL	21 06 48.0
BUT	EP	20 57 09.7
	E	57 30.5
	EL	21 07 12.0
BOZ	EP	20 57 16.0
	I▸P	57 28.0
	E(S)	21 04 06.0
	EL	07 08.0
EUR	EP	20 57 25.0
	EPCP	58 51.4
	E	21 00 24.9
	ESCP	02 44.5
BCN	EP	20 57 49.0
	I▸P	58 02.0
RCD	EP	20 57 59.5
	E	58 10.0
	ES	21 05 24.0
TUC	EP	20 58 24.7
	E▸P	58 37.5
	E	58 47.0
	E(S)	21 06 14.0
CSC	EP	21 00 08.5
	E(▸P)	00 22.0
SJG	EP	21 01 56.4
	EPP	05 47.0
OCT 19		
GUA	EP	21 03 34.0
	ES	06 43.0
OCT 19		
EUR	EP	21 16 36.3
OCT 19		
KIP	EP	21 26 47.2
OCT 19		
H-21 33 11.7		
34.0N 116.7W		
h ABOUT 16KM		
CED	IP	21 33 23.8
BCN	IP	21 33 53.5
	I	34 03.0
	IL	34 33.9
TUC	E(P)	21 34 24.4
	E	34 53.0
	EL	35 59.0
EUR	IP	21 34 36.5
	I	34 55.5
	E(S)	35 44.1
ALQ	E(P)	21 35 31.0
	I	35 50.3
OCT 19		
KIP	EP	21 34 22.1
	I	35 53.4
OCT 19		
CED	IP	21 34 41.5
OCT 19		
H-21 36 44.9		
31.6N 115.8W		
h ABOUT 33KM		
CED	EP	21 37 29.7
	IS	38 07.6
TUC	E(P)	21 37 50.5
	EL	39 02.0
BCN	E(P)	21 37 57.5
	E	38 21.0
	EL	39 00.0
EUR	E(P)	21 38 49.5
OCT 19		
COL	EP	21 53 58.0
OCT 19		
EUR	EP	22 14 51.5
OCT 19		
COL	EP	22 41 36.0
OCT 19		
CED	EP	22 57 45.5
OCT 19		
H-23 32 43.9		
13.4S 112.2W		
h ABOUT 33KM		
TUC	EP	23 41 02.5
ALQ	E(P)	23 41 26.2
EUR	IP	23 41 56.4
COL	EP	23 45 07.0
OCT 20		
SJG	I	00 03 09.0
OCT 20		
GUA	IP	00 34 13.0
	ES	34 44.0
OCT 20		
H-01 16 42.9		
34.0N 116.8W		
h ABOUT 16KM		
BCN	IP	01 17 24.8
	E	17 32.0
	IL	18 05.5
TUC	E(P)	01 18 04.5
	EL	19 30.4
EUR	IP	01 18 08.0
	EL	19 33.3
GCA	E(P)	01 18 25.4
ALQ	EP	01 19 21.9
	E	21 12.5
OCT 20		
H-02 44 51.7		
10.8N 127.3E		
h ABOUT 51KM		
COL	EP	02 56 48.0
OCT 20		
EUR	IP	03 24 31.1

Date and Station	Phase (GCT)
	h m s
OCT 20	
H-03 43 38.5	
59.0N 161.0E	
h ABOUT 123KM	
EUR IP	03 53 05.8
OCT 20	
COL E(P)	03 48 42.5
OCT 20	
COL IP	04 10 05.1
OCT 20	
BOZ EP	04 16 40.0
EL	17 15.0
BZM E(P)	04 16 50.0
HHM E(P)	04 17 08.0
EL	18 09.0
EUR EP	04 17 12.5
EL	18 27.0
OCT 20	
H-04 38 12.2	
16.3S 177.3W	
h ABOUT 418KM	
COL IP	04 49 57.8
OCT 20	
BOZ EP	06 14 27.5
EL	15 04.0
OCT 20	
EUR IP	06 45 05.2
OCT 20	
H-06 56 52.1	
52.2N 171.7E	
h ABOUT 59KM	
COL IP	07 02 03.5
BOZ EP	07 05 30.5
EUR IP	07 05 41.5
BCN EP	07 06 04.2
ALQ E(P)	07 06 46.3
OCT 20	
EUR E(P)	08 15 25.8
OCT 20	
H-09 29 55.2	
20.6S 113.7W	
h ABOUT 23KM	
TUC E(P)	09 39 09.5
ALQ E(P)	09 39 32.0
BCN EP	09 39 38.0
E.P	39 46.2
EUR IP	09 40 01.5
RCD EP	09 40 36.0
E	40 41.0

Date and Station	Phase (GCT)
	h m s
COL EP	09 42 51.3
OCT 20	
COL IP	10 23 33.6
OCT 20	
H-10 35 49.3	
08.6S 123.8E	
h ABOUT 124KM	
EUR IP'	10 54 25.0
ALQ EP'	10 54 42.4
OCT 20	
H-11 08 07.4	
51.6N 173.8W	
h ABOUT 8KM	
COL EP	11 12 29.9
I	12 32.5
E(S)	16 19.0
HHM EP	11 15 25.0
BOZ EP	11 15 47.6
EUR IP	11 15 54.2
I	15 59.5
EPCP	17 54.5
ESCP	21 40.5
CED EP	11 16 14.5
FGU E(P)	11 16 20.5
BCN EP	11 16 22.0
GCA E(P)	11 16 32.[illegible]
RCD E(P)	11 16 36.0
E	16 52.0
TUC E(P)	11 16 56.0
ALQ E(P)	11 16 58.1
I	17 23.5
OCT 20	
H-11 53 31.7	
06.9N 073.0W	
h ABOUT 146KM	
BHP IP	11 55 08.0
IS	56 25.0
SJG IP	11 56 31.5
IS	58 48.2
ALQ IP	12 01 07.5
TUC IP	12 01 21.2
RCD IP	12 01 37.5
BCN EP	12 01 59.2
EUR IP	12 02 16.2
BOZ IP	12 02 21.0
OCT 20	
EUR I(P)	13 42 31.5

Date and Station	Phase (GCT)
	h m s
OCT 20	
H-14 10 07.9	
14.1S 172.4W	
h ABOUT 70KM	
COL EP	14 22 16.0
OCT 20	
ALQ E(P)	14 21 19.2
OCT 20	
GUA IP	15 14 55.5
ES	15 07.5
OCT 20	
COL EP	16 23 09.8
E	23 50.7
OCT 20	
COL E(P)	18 41 07.7
OCT 20	
EUR E(P)	19 00 00.5
EL	00 41.3
OCT 20	
H-19 49 22.7	
49.5N 150.2E	
h ABOUT 433KM	
COL IP	19 55 39.8
E.P	57 01.6
EUR IP	19 59 11.0
OCT 20	
EUR EP	19 52 36.0
OCT 20	
EUR EP	20 27 10.5
OCT 20	
COL EP	22 06 08.0
OCT 20	
EUR EP	22 15 33.4
E	16 07.0
OCT 20	
EUR EP	22 24 33.8
OCT 20	
BCN EP	22 32 50.0
OCT 20	
COL EP	22 50 01.0
OCT 20	
H-23 54 30.4	
12.5N 087.3W	
h ABOUT 72KM	
BHP I(P)	23 56 32.0
IS	59 40.0
SJG I(P)	23 59 13.0
ISCS	00 10 27.5
CSC I(P)	23 59 25.2
E	00 00 07.0
ES	03 26.0
WAS EP	00 00 15.0
E(S)	04 53.0

Date and Station	Phase (GCT)
	h m s
WSC EP	00 00 16.5
E(S)	04 57.7
ALQ EP	00 00 19.4
TUC EP	00 00 27.5
ES	05 11.0
PHI E(P)	00 00 28.4
IS	05 21.5
GCA IP	00 00 59.2
BCN IP	00 01 11.6
E	02 14.5
ESCP	07 25.5
FGU IP	00 01 12.0
RCD E(P)	00 01 13.0
ES	06 36.0
SLC IP	00 01 23.4
EUR IP	00 01 34.5
EPP	03 07.6
FS	07 19.0
ISCP	07 34.5
BOZ EP	00 01 50.6
I	01 52.0
ES	07 44.0
EL	10 30.0
BUT EP	00 01 58.6
EPCP	04 04.0
HHM EP	00 02 17.5
COL EP	00 05 11.0
HON E(P)	00 05 18.0
KIP E(P)	00 05 26.4
OCT 20	
H-23 54 51.3	
12.8N 87.0W	
h ABOUT 91KM	
WAS EP	00 00 31.0
WSC IP	00 00 32.5
ALQ IP	00 00 35.6
TUC IP	00 00 47.0
BCN OP	00 01 30.5
SLC IP	00 01 40.1
EUR IP	00 01 52.5
BOZ IP	00 02 06.6
EPP	03 38.0
COL E(P)	00 05 29.5
OCT 21	
COL EP	00 37 06.0

Date and Station	Phase	(GCT)
		h m s
OCT 21		
H-00 54 47.7		
10.5N 063.6W		
h ABOUT 42KM		
ALQ	E(P)	01 03 10.2
OCT 21		
EUR	IP	01 14 49.5
OCT 21		
H-02 04 38.5		
37.5N 091.0W		
h ABOUT 25KM		
CSC	E(P)	02 06 46.0
	E	07 23.0
	E	08 09.0
WAS	E(P)	02 07 14.0
	EL	10 16.0
	EL	12 15.0
WSC	EP	02 07 22.4
	E(S)	09 30.0
	IL	10 17.0
PHI	EL	02 10 17.0
ALQ	IP	02 07 40.0
	I	08 07.9
	I	08 32.2
FGU	EP	02 08 05.8
	I(S)	11 27.7
GCA	E(P)	02 08 23.6
SLC	EP	02 08 30.5
	IPCP	13 17.4
TUC	EP	02 08 36.8
	EL	13 37.7
BUT	EP	02 08 50.6
	EL	14 05.0
BCN	EP	02 09 05.3
	I	10 41.5
	EL	14 35.5
EUR	IP	02 09 09.7
	EPCP	13 27.4
	IL	15 04.5
HHM	IP	02 09 12.0
	E(S)	12 20.0
	EL	14 50.0
SJG	EP	02 10 40.5
COL	IP	02 12 36.0
	EPCP	14 25.5
OCT 21		
H-02 45 53.2		
36.4N 069.7E		
h ABOUT 161KM		
COL	IP	02 57 17.1
	EsP	57 57.3
OCT 21		
SJG	E(P)	02 45 57.0
	I	46 10.0
	IL	46 16.5
OCT 21		
EUR	E(P)	04 50 20.6
OCT 21		
EUR	E(P)	05 23 26.7
OCT 21		
COL	E(P)	06 00 30.0
OCT 21		
TUC	E(P)	07 42 50.5
OCT 21		
HON	EP	07 48 46.4
KIP	EP	07 48 47.5
OCT 21		
COL	EP	08 17 17.0
OCT 21		
EUR	EP	08 18 31.0
FGU	EP	08 18 52.3
OCT 21		
H-08 43 01.9		
34.0N 116.8W		
h ABOUT 16KM		
CED	IP	08 43 12.7
BCN	IP	08 43 43.5
	I	43 51.0
	IL	44 24.4
TUC	E(P)	08 44 24.0
	EL	45 48.5
EUR	IP	08 44 26.8
	IL	45 56.5
ALQ	E(P)	08 45 21.5
	E	45 40.2
	EL	47 32.9
OCT 21		
H-08 59 06.4		
51.7N 176.7E		
h ABOUT 69KM		
COL	EP	09 04 01.0
	I	04 14.6
EUR	IP	09 07 33.0
	EsP	07 56.7
OCT 21		
KIP	E(P)	09 44 28.0
OCT 21		
COL	EP	10 05 45.0
OCT 21		
CED	IP	10 25 25.7
BCN	IP	10 25 57.3
	I	26 04.8
	EL	26 37.5
EUR	EP	10 26 41.0
	EL	28 12.8
OCT 21		
EUR	EP	10 53 13.2
OCT 21		
H-11 27 49.8		
50.4N 177.7E		
h ABOUT 28KM		
COL	EP	11 32 53.0
HHM	EP	11 35 49.0
EUR	IP	11 36 18.0
OCT 21		
H-11 50 03.4		
16.1N 093.8W		
h ABOUT 149KM		
TUC	E(P)	11 54 48.7
EUR	EP	11 56 05.0
OCT 21		
COL	EP	12 29 31.5
OCT 21		
EUR	E(P)	12 43 08.5
OCT 21		
COL	EP	13 21 17.0
OCT 21		
EUR	E(P)	14 14 21.5
OCT 21		
EUR	IP	14 25 31.7
OCT 21		
H-15 56 34.1		
43.8N 087.0E		
h ABOUT 44KM		
COL	IP	16 07 01.2
OCT 21		
H-16 58 48.7		
18.3N 108.3W		
h ABOUT 33KM		
TUC	E(P)	17 02 07.0
ALQ	IP	17 02 42.0
BCN	EP	17 03 05.0
EUR	EP	17 03 43.1
OCT 21		
COL	EP	17 26 12.0
OCT 21		
H-17 35 23.3		
18.5N 108.1W		
h ABOUT 24KM		
TUC	E(P)	17 38 39.5
ALQ	IP	17 39 17.3
BCN	EP	17 39 39.3
GCA	IP	17 39 42.8
EUR	IP	17 40 17.8
OCT 21		
H-18 47 50.2		
40.5N 109.4E		
h ABOUT 1KM		
COL	IP	18 [illegible]
HHM	E(P)	19 00 22.0
EUR	EP	19 00 54.5
OCT 21		
TUC	E(P)	18 54 11.3
ALQ	E(P)	18 55 00.5
GCA	EP	18 55 32.6
EUR	EP	18 56 03.3
OCT 21		
TUC	E(P)	19 09 28.0
GCA	EP	19 09 39.5
OCT 21		
COL	IP	20 11 19.0
OCT 21		
COL	EP	20 44 40.0
OCT 21		
GCA	EP	20 49 46.3
	ES	50 19.8
OCT 22		
COL	EP	00 31 49.0
OCT 22		
H-00 49 35.7		
37.0N 140.7E		
h ABOUT 117KM		
COL	EP	00 58 16.0
BOZ	EP	01 01 06.5
EUR	IP	01 01 13.8
ALQ	E(P)	01 02 00.7
OCT 22		
CED	IP	01 41 36.5
BCN	E(P)	01 42 20.3
	I	42 26.3
	IL	43 02.8
EUR	IP	01 42 56.0
	E(S)	44 27.6
OCT 22		
H-02 02 32.1		
29.1N 141.5E		
h ABOUT 45KM		
GUA	IP	02 06 14.0
	EL	09 39.0
COL	EP	02 12 06.0

Date and Station	Phase (GCT)
	h m s
HHM EP	02 14 25.5
BUT EP	02 14 37.0
BOZ EP	02 14 41.0
EUR EP	02 14 42.9
ALQ E(P)	02 15 27.2
OCT 22	
BOZ EP	02 08 38.5
I	08 40.2
EL	13 42.0
OCT 22	
COL EP	02 24 57.0
OCT 22	
COL EP	04 30 56.0
OCT 22	
COL EP	06 30 05.0
OCT 22	
ALQ E(P)	07 08 04.2
EUR EP	07 08 39.7
OCT 22	
COL EP	07 38 15.0
OCT 22	
COL IP	07 51 21.5
EUR IP	07 54 59.1
E	55 38.9
ALQ I(P)	07 55 52.6
OCT 22	
COL E(P)	08 21 09.0
OCT 22	
COL EP	08 29 24.8
OCT 22	
COL EP	09 00 25.0
OCT 22	
H-16 26 50.3	
56.6N 169.7W	
h ABOUT 21KM	
COL IP	16 30 03.4
I	30 10.3
I	31 15.0
IL	33 13.8
EL	34 06.0
EUR IP	16 34 14.3
E	34 27.6
EPCP	36 26.1
BCN EP	16 34 41.2
TUC EP	16 35 19.8
ALQ EP	16 35 22.5
IPCP	36 56.2
OCT 22	
EUR IP	16 56 08.9
IL	56 26.8

Date and Station	Phase (GCT)
	h m s
OCT 22	
H-18 35 54.6	
25.0S 071.2W	
h ABOUT 15KM	
SJP IP	18 43 52.8
E	44 06.0
ALQ IP	18 46 57.6
TUC EP	18 46 58.5
E	47 14.0
EUR IP	18 47 46.2
I	48 04.2
RCD E(P)	18 47 48.0
BUT EP	18 48 00.8
BOZ IP	18 48 01.5
HHM EP	18 48 17.5
E	48 33.5
OCT 22	
H-19 01 53.1	
47.2N 152.6E	
h ABOUT 33KM	
COL E(P)	19 08 45.9
EUR IP	19 12 16.2
OCT 22	
EUR E(P)	19 38 23.8
OCT 22	
H-20 17 51.6	
15.0S 173.8W	
h ABOUT 33KM	
EUR E(P)	20 29 39.2
TUC E(P)	20 29 41.0
ALQ E(P)	20 30 05.6
COL IP	20 30 08.8
I	30 16.4
OCT 22	
BOZ E(P)	20 59 33.0
OCT 22	
COL EP	22 25 47.0
OCT 22	
H-22 42 58.0	
51.5N 178.9E	
h ABOUT 57KM	
COL EP	22 47 45.0
EUR E(P)	22 51 16.4
OCT 22	
EUR EP	22 59 51.8
EL	23 00 52.0
ALQ E(P)	22 59 52.6
E	23 01 11.6

Date and Station	Phase (GCT)
	h m s
OCT 22	
TUC E(P)	23 21 27.8
OCT 22	
BUT IP	23 39 06.4
IL	39 16.4
OCT 23	
EUR EP	01 36 43.4
OCT 23	
COL EP	01 46 15.5
OCT 23	
COL EP	03 03 58.0
OCT 23	
COL E(P)	04 50 19.7
EL	50 51.5
OCT 23	
H-06 00 52.5	
53.9N 165.3W	
h ABOUT 38KM	
COL EP	06 04 10.8
FL	08 32.0
HHM EP	06 07 17.6
EPCP	10 05.3
BOZ EP	06 07 42.4
EUR IP	06 07 52.0
IPCP	10 18.9
ISCP	13 59.3
TUC EP	06 08 57.6
ALQ IP	06 09 04.4
FSCP	14 34.1
SJG EP	06 13 04.0
OCT 23	
HON E(P)	06 41 29.0
KIP E(P)	06 41 30.5
OCT 23	
H-06 53 29.4	
29.5S 071.8W	
h ABOUT 8KM	
SJG FP	07 02 06.0
TUC EP	07 04 53.4
ALQ IP	07 04 55.5
BCN EP	07 05 23.3
F	05 34.5
RCD IP D	07 05 34.0
F	05 40.5
EUR IP	07 05 41.2
BOZ EP	07 05 56.2
BUT FP	07 06 01.0

Date and Station	Phase (GCT)
	h m s
OCT 23	
H-07 54 31.8	
51.5N 178.6E	
h ABOUT 33KM	
COL EP	07 59 23.1
EUR EP	08 02 52.5
OCT 23	
H-08 15 01.8	
54.9S 146.2E	
h ABOUT 33KM	
EUR IP'	08 34 01.5
ALQ EP'	08 34 13.0
OCT 23	
H-08 33 47.4	
55.0S 146.2E	
h ABOUT 33KM	
EUR EP'	08 52 46.0
OCT 23	
ALQ E(P)	11 19 49.6
OCT 23	
COL IP	11 26 38.0
EL	27 06.0
OCT 23	
COL EP	13 41 09.0
OCT 23	
H-14 30 29.1	
35.6N 140.1E	
h ABOUT 74KM	
COL EP	14 39 25.0
HHM EP	14 41 56.8
EUR IP	14 42 20.1
E(PP)	42 39.9
OCT 23	
TUC EP	14 43 17.5
OCT 23	
H-15 34 46.5	
32.5S 071.5W	
h ABOUT 61KM	
SJG EP	15 43 37.8
IPP	43 53.3
ES	50 43.5
ALQ IP	15 46 21.5
BCN FP	15 46 48.0
FGU IP	15 46 56.1
EUR IP	15 47 05.0
BOZ IP	15 47 20.5
OCT 23	
H-16 00 45.0	
01.6S 081.0W	
h ABOUT 152KM	

Date and Station	Phase (GCT)
	h m s
ALQ IP	16 08 31.5
EUR E(P)	16 09 40.5
BOZ E(P)	16 09 57.5
OCT 23	
EUR EP	16 17 43.9
OCT 23	
H-16 27 59.8	
47.5N 122.4W	
h ABOUT 23KM	
HHM EP	16 29 24.8
E(S)	30 32.8
IL	31 04.8
BOZ IP	16 29 51.5
E(S)	31 12.0
IL	32 03.0
EUR E(P)	16 30 17.0
I	30 27.2
E(L)	33 11.5
ALQ E(P)	16 32 15.0
COL EP	16 32 55.5
OCT 23	
COL IP	17 29 49.3
OCT 23	
EUR E(P)	17 38 47.3
OCT 23	
BCN EP	17 51 13.4
OCT 23	
TUC E(P)	18 47 04.5
OCT 23	
COL EP	18 55 14.0
OCT 23	
CED IP	19 40 05.3
BCN E(P)	19 40 33.0
I	40 35.8
I	40 42.8
EL	41 18.0
EUR EP	19 41 18.5
E(S)	42 45.8
OCT 23	
BHP IP	20 00 12.0
IS	00 40.0
OCT 23	
H-20 48 59.7	
18.6N 108.2W	
h ABOUT 33KM	
TUC E(P)	20 52 14.0
ALQ IP	20 52 50.4
BCN EP	20 53 13.3
EUR IP	20 53 51.6
BOZ EP	20 54 40.5

Date and Station	Phase (GCT)
	h m s
OCT 23	
COL IP	22 02 27.4
OCT 23	
EUR E(P)	23 10 32.8
OCT 23	
H-23 43 29.7	
22.4N 143.1E	
h ABOUT 123KM	
EUR EP	23 55 48.0
I	56 28.6
OCT 23	
COL E(P)	23 55 16.8
OCT 24	
BCN EP	00 45 20.0
OCT 24	
TUC E(P)	03 20 49.2
E(L)	21 38.0
OCT 24	
H-03 39 09.4	
52.1N 176.1W	
h ABOUT 98KM	
COL EP	03 43 29.0
HHM EP	03 46 26.3
EPCP	48 35.4
BOZ IP	03 46 49.5
EPCP	48 45.0
EUR IP	03 46 57.5
I	47 12.0
IPCP	48 48.5
BCN EP	03 47 21.0
RCD EP	03 47 35.8
TUC EP	03 47 57.5
ALQ IP	03 48 05.5
EPCP	49 19.9
OCT 24	
H-08 38 05.3	
51.2N 178.9E	
h ABOUT 52KM	
COL IP	08 42 56.3
BOZ EP	08 46 16.0
EUR IP	08 46 24.5
OCT 24	
TUC E(P)	10 33 19.1
E(L)	34 09.5
OCT 24	
EUR E(P)	10 35 50.7
OCT 24	
TUC E(P)	10 53 12.2

Date and Station	Phase (GCT)
	h m s
OCT 24	
H-12 16 57.7	
46.4N 007.4E	
h ABOUT 33KM	
COL EP	12 27 53.0
OCT 24	
H-12 24 18.8	
33.6S 069.4W	
h ABOUT 100KM	
ALQ IP	12 36 00.0
EUR IP	12 36 42.1
OCT 24	
COL EP	12 45 23.5
OCT 24	
H-14 32 10.8	
04.2N 125.8E	
h ABOUT 151KM	
GUA EP	14 36 43.0
ES	40 13.0
KIP EP	14 43 43.2
HON EP	14 43 44.2
COL IP	14 44 30.0
EUR E(P)	14 46 20.5
E	49 43.5
EPP	50 45.7
EPKKP	15 01 35.5
IPKKP	01 48.2
BOZ EPP	14 50 53.2
EPKKP	15 01 48.0
ALQ EP'	14 50 42.5
SJG IP'	14 52 13.7
I	53 09.2
RCD EPKKP	15 01 19.0
TUC EPKKP	15 01 19.5
OCT 24	
COL IP	15 10 51.4
OCT 24	
COL IP	16 00 39.8
OCT 24	
COL E(P)	16 17 09.3
OCT 24	
EUR EP	16 36 29.2
OCT 24	
H-16 41 09.7	
37.8N 020.6E	
h ABOUT 24KM	
HHM E(P)	16 53 44.8
OCT 24	
H-17 42 13.1	
55.8N 161.4W	
h ABOUT 82KM	

Date and Station	Phase (GCT)
	h m s
COL EP	17 44 54.4
EUR EP	17 48 46.0
OCT 24	
ALQ E(P)	17 51 47.7
OCT 24	
H-18 15 09.1	
49.7N [illegible]	
h ABOUT [illegible]	
COL IP	18 21 36.0
HHM EP	18 24 37.8
EPCP	25 37.8
BUT E(P)	18 24 53.2
BOZ IP	18 25 00.0
I	26 14.5
EUR IP	18 25 11.5
I	25 27.8
E(PP)	27 47.8
ESCP	29 52.0
SLC IP	18 25 21.0
FGU EP	18 25 30.0
BCN EP	18 25 35.5
F	25 48.0
RCD EP C	18 25 37.0
F	25 44.5
GCA IP	18 25 39.0
TUC IP C	18 26 03.1
E>P	26 20.2
ALQ IP	18 26 07.5
OCT 24	
H-18 45 36.3	
44.5N 149.1E	
h ABOUT 50KM	
COL IP	18 53 05.1
HHM EP	18 55 55.3
BOZ IP	18 56 15.5
I	57 16.5
EUR EP	18 56 24.5
I>P	56 39.9
F	58 13.5
SLC E(P)	18 56 34.2
E	57 21.0
FGU E(P)	18 56 43.0
BCN IP	18 56 43.0
I>P	56 58.5
RCD EP	18 56 49.8
GCA EP	18 56 51.0
TUC EP	18 57 11.5
E>P	57 32.0

Date and Station	Phase (GCT)
	h m s
ALQ IP	18 57 16.9
OCT 24	
ALQ E(P)	18 54 18.0
BCN EP	18 54 33.4
EUR E(P)	18 54 43.2
OCT 24	
H-18 56 27.2	
23.5S 179.9W	
h ABOUT 542KM	
TUC E(P)	19 08 12.5
OCT 24	
H-19 06 13.4	
17.9N 093.8W	
h ABOUT 206KM	
ALQ FP	19 10 36.5
TUC EP	19 10 41.5
OCT 24	
BCN FP	19 26 45.7
OCT 24	
EUR E(P)	19 49 30.0
OCT 24	
COL EP	20 22 15.0
ALQ E(P)	20 23 10.0
EUR EP	20 23 55.7
OCT 24	
H-20 26 17.9	
20.0N 122.2E	
h ABOUT 36KM	
COL EP	20 37 39.0
HHM E(P)	20 39 40.8
EUR FP	20 40 00.9
FPP	44 07.0
OCT 24	
H-21 09 43.8	
17.7S 178.5W	
h ABOUT 507KM	
HON EP	21 17 04.9
KIP IP	21 17 05.4
EUR EP	21 21 08.6
E	24 22.9
TUC EP	21 21 10.5
EpP	23 03.0
GCA IP	21 21 19.2
COL EP	21 21 27.0
EpP	23 21.7
ALQ IP	21 21 32.2
HHM IP	21 21 35.3

Date and Station	Phase (GCT)
	h m s
BOZ EP	21 21 37.0
OCT 24	
COL EP	22 19 10.0
OCT 25	
H-00 15 06.6	
24.1N 125.2E	
h ABOUT 52KM	
GUA EP	00 19 49.0
ES	23 47.0
COL IP	00 25 57.2
HHM EP	00 28 06.0
EUR E(P)	00 28 26.2
I	28 35.6
EPP	32 18.0
OCT 25	
TUC E(P)	00 19 43.8
IL	20 40.0
BCN EP	00 19 55.8
E	20 11.0
IL	21 09.8
GCA EP	00 20 40.5
EUR EP	00 20 45.5
E(S)	23 03.0
ALQ EP	00 20 53.2
ES	22 48.3
OCT 25	
COL EP	00 46 41.0
I(S)	47 33.2
OCT 25	
H-00 47 30.0	
51.5N 178.5W	
h ABOUT 44KM	
COL EP	00 52 09.0
EUR FP	00 55 36.0
TUC E(P)	00 56 36.5
OCT 25	
EUR EP	01 29 28.0
EL	30 04.5
OCT 25	
EUR E(P)	03 04 07.8
OCT 25	
COL IP	03 16 33.3
OCT 25	
COL IP	03 51 20.5
OCT 25	
EUR IP	04 35 50.7
E	36 03.7
E	37 14.8
OCT 25	
COL IP	06 26 13.5
EUR EP	06 27 14.2

Date and Station	Phase (GCT)
	h m s
OCT 25	
H-07 35 48.6	
56.1S 027.2W	
h ABOUT 105KM	
COL IP'	07 55 26.4
OCT 25	
BCN IP	08 05 03.1
IS	05 04.9
OCT 25	
H-08 38 29.2	
22.2S 170.3E	
h ABOUT 22KM	
COL EP	08 51 38.0
I	51 57.6
EUR EP	08 51 39.2
I	51 56.5
BCN E(P)	08 51 46.0
SJG IP'	08 57 31.6
OCT 25	
H-09 25 55.8	
32.0N 114.9W	
h ABOUT 33KM	
TUC E(P)	09 26 43.5
E	26 54.5
EL	27 40.0
BCN IP D	09 26 55.8
I	27 10.8
IL	28 12.8
GCA IP	09 27 20.3
ALQ IP	09 27 44.2
IS	29 48.0
EUR FP	09 27 45.5
I	28 08.5
ES	29 08.5
EL	30 02.0
FGU FP	09 28 24.3
OCT 25	
TUC E(P)	10 04 02.5
OCT 25	
COL EP	11 10 37.1
OCT 25	
H-11 17 26.7	
01.1S 081.0W	
h ABOUT 33KM	
ALQ E(P)	11 25 26.5
OCT 25	
BOZ EP	13 01 21.5
IL	02 10.0
EUR EP	13 01 43.2
E(S)	02 54.5
OCT 25	
COL EP	13 44 05.1

Date and Station	Phase (GCT)
	h m s
OCT 25	
H-14 13 47.6	
17.1N 121.0E	
h ABOUT 159KM	
COL IP	14 25 13.9
OCT 25	
GUA IP	14 47 47.0
IS	48 08.0
OCT 25	
COL E(P)	15 01 05.2
OCT 25	
H-15 20 53.4	
53.6N 164.5W	
h ABOUT 33KM	
COL EP	15 24 11.6
E	24 22.4
I	24 48.5
EL	28 47.0
EUR FP	15 27 49.5
I	28 01.6
E	30 31.7
BCN EP	15 28 16.5
E	28 25.3
TUC E(P)	15 28 55.3
ALQ E(P)	15 29 12.0
OCT 25	
FGU EP	15 51 56.5
ES	52 23.0
EUR E(P)	15 52 30.5
E(S)	53 49.0
OCT 25	
H-16 05 25.0	
17.0N 094.5W	
h ABOUT 82KM	
ALQ EP	16 10 03.6
TUC FP	16 10 05.4
E	10 40.9
BCN FP	16 10 53.8
EUR EP	16 11 20.6
FGU IP	16 11 26.7
COL IP	16 15 19.7
I	15 46.4
OCT 25	
EUR E(P)	17 20 44.0
E	21 17.0
OCT 25	
COL EP	18 15 45.0
OCT 25	
H-18 43 02.5	
53.2N 164.7W	
h ABOUT 54KM	
COL EP	18 46 27.0

Date and Station	Phase	(GCT) h m s
EUR	IP	18 49 57.0
BCN	EP	18 50 22.3
TUC	EP	18 51 02.4
	E▸P	51 14.0
ALQ	E(P)	18 51 08.0
OCT 25		
BHP	IP	19 23 23.0
	IS	24 07.0
OCT 25		
EUR	EP	20 58 51.0
OCT 25		
KIP	EP	21 17 05.2
OCT 25		
FUR	IP	22 08 39.5
	IL	08 52.2
BCN	E(P)	22 09 19.0
	E	09 29.4
	EL	10 08.2
OCT 25		
COL	EP	22 32 30.0
OCT 25		
H-22 34 24.4		
44.2N 145.3E		
h ABOUT 181KM		
GUA	IP	22 40 18.0
	ES	45 02.0
COL	IP C	22 41 54.2
	IS	47 58.0
	EL	49 03.0
SIT	E(P)	22 42 56.0
	E	43 45.0
	IS	49 59.0
HON	IP	22 43 14.5
	I▸P	43 55.0
	ES	50 24.0
	EL	55 34.0
KIP	IP	22 43 14.8
	IS	50 25.0
	EL	55 30.0
HHM	EP	22 44 43.0
	I▸P	45 26.0
	IS	53 10.0
	EP'P'	23 13 26.0
UKI	E(P)	22 44 48.0
	E	44 56.5
	E	45 38.0
	ES	53 21.0
BUT	EP	22 45 00.7
	E	45 48.7
	IS	53 38.7
	E▸S	54 40.7
	EP'P'	23 13 17.7
BOZ	EP	22 45 03.0
	▸P	45 45.0
	EPP	47 32.0
	E(S)	53 24.5
	E▸S	54 44.0
	IL	23 01 28.0
	EP'P'	13 30.5
EUR	IP C	22 45 12.6
	E	46 02.2
	I▸PP	48 39.5
	I	50 46.1
	ES	54 07.3
	EP'P'	23 13 16.2
	E	14 07.5
	ESKPP'	16 16.5
SLC	IP	22 45 22.8
	I	46 11.3
	IS	54 26.8
	E▸S	55 14.8
CED	EP	22 45 28.4
FGU	EP	22 45 29.5
	I	45 30.7
BCN	EP C	22 45 32.5
	E	46 20.5
	ES	54 44.0
	EP'P'	23 13 16.0
RCD	EP	22 45 35.0
	E	45 42.0
	E(S)	54 50.0
GCA	IP	22 45 38.5
TUC	EP	22 45 59.8
	E▸P	46 42.5
	ES	55 36.0
	EP'P'	23 13 13.0
ALQ	EP	22 46 03.2
	IS	55 44.7
WSC	I(P)	22 47 00.5
	I	47 07.0
WAS	EP	22 46 58.0
	E	47 08.0
	E▸P	47 42.0
CSC	IP	22 47 14.0
	ESKS	57 27.0
PHI	ESKS	22 56 54.0
	IS	57 33.0
	I(PS)	59 00.0
OCT 25		
COL	EP	23 11 23.0
OCT 25		
BCN	IP	23 13 33.4
	IS	13 36.1
OCT 25		
H-23 41 00.3		
00.7N 119.4E		
h ABOUT 62KM		
EUR	EP'	23 59 38.5
	EPKKP	24 10 19.5
	ESKKP	13 54.0
ALQ	EP'	23 59 57.0
OCT 26		
EUR	EP	01 05 20.6
OCT 26		
H-01 55 53.3		
65.6N 133.7W		
h ABOUT 33KM		
COL	IP	01 57 20.5
	I	57 42.7
	IL	58 40.0
EUR	E(P)	02 01 46.5
OCT 26		
EUR	EP	03 10 39.2
OCT 26		
COL	EP	07 31 36.0
OCT 26		
H-08 15 42.9		
22.0S 175.3W		
h ABOUT 89KM		
TUC	EP	08 27 55.0
EUR	FP	08 27 57.0
ALQ	IP	08 28 18.3
COL	EP	08 28 28.0
BOZ	EP	08 28 28.5
OCT 26		
H-09 02 59.8		
34.1N 070.4E		
h ABOUT 57KM		
COL	IP	09 14 47.9
OCT 26		
H-09 54 44.4		
52.7N 179.6W		
h ABOUT 33KM		
COL	IP	09 59 18.8
EUR	EP	10 02 56.7
	I	03 07.7
OCT 26		
H-10 21 45.8		
20.2S 168.9E		
h ABOUT 35KM		
COL	IP	10 34 45.2
EUR	EP	10 34 51.2
	E	35 13.7
TUC	EP	10 34 56.8
ALQ	E(P)	10 35 15.6
OCT 26		
H-11 28 04.1		
47.4N 113.2W		
h ABOUT 32KM		
HHM	IP	11 28 26.1
BUT	IP	11 28 28.3
	IS	28 46.5
BOZ	EP	11 28 47.5
	I	28 40.0
BZM	E(P)	11 28 40.0
FGU	E(P)	11 29 55.0
RCD	EP	11 29 55.5
	E	30 28.0
	EL	32 10.0
EUR	EP	11 30 04.5
	E	30 46.7
	EL	32 07.5
OCT 26		
H-11 30 29.9		
18.8S 169.4E		
h ABOUT 261KM		
COL	EP	11 42 57.0
EUR	E(P)	11 43 03.5
OCT 26		
H-12 15 07.5		
24.5S 070.2W		
h ABOUT 52KM		
SJG	IP	12 22 56.5
	E▸P	23 10.5
	E▸P	23 16.3
ALQ	IP	12 26 06.5
	I▸P	26 21.0
TUC	EP	12 26 07.0
	I▸P	26 21.6
GCA	I▸P	12 26 47.7
RCD	EP	12 26 43.0
	E▸P	26 57.5
FGU	IP	12 26 44.3
	I▸P	26 59.3
EUR	FP	12 26 55.8
	I▸P	27 11.0
	E▸P	27 17.8
BOZ	IP	12 27 09.5
	I▸P	27 24.6
BUT	IP	12 27 14.0
	I▸P	27 28.5
HHM	IP	12 27 25.0
	I▸P	27 39.7
COL	EP	12 29 17.0

Date and Station	Phase (GCT)
	h m s
OCT 26	
H-12 18 39.3	
7.8S 123.6E	
h ABOUT 232KM	
EUR FP'	12 37 01.1
OCT 26	
ALQ E(P)	12 54 21.4
OCT 26	
COL E(P)	14 10 20.7
OCT 26	
H-14 58 55.1	
13.9N 091.4W	
h ABOUT 155KM	
ALQ IP	15 04 06.1
I	05 20.0
TUC E(P)	15 04 09.5
E	05 26.0
FGU E(P)	15 05 01.5
EUR IP	15 05 21.6
COL IP	15 09 10.6
OCT 26	
H-18 21 08.3	
21.2S 066.0W	
h ABOUT 240KM	
TUC E(P)	18 31 44.5
EUR FP	18 32 33.0
OCT 26	
H-19 31 44.7	
23.9S 065.6W	
h ABOUT 221KM	
TUC EP	19 42 37.5
OCT 26	
COL EP	19 32 01.0
OCT 26	
COL FP	20 05 58.0
OCT 26	
H-20 20 51.0	
10.5S 161.3E	
h ABOUT 65KM	
COL IP	20 33 14.5
I▸P	33 32.5
EUR IP	20 33 50.2
I▸P	34 08.0
TUC EP	20 34 03.2
E▸P	34 21.5
HHM EP	20 34 03.5
BOZ EP	20 34 10.0
E▸P	34 27.0
ALQ FP	20 34 20.3

Date and Station	Phase (GCT)
	h m s
OCT 26	
GCA EP	23 04 11.2
EUR E(P)	23 04 29.6
EL	05 16.5
OCT 26	
H-23 15 35.5	
05.8N 126.2E	
h ABOUT 139KM	
COL EP	23 27 46.0
ALQ EP'	23 34 06.4
OCT 26	
EUR EP	23 19 11.3
OCT 26	
COL E(P)	23 25 38.5
OCT 26	
ALQ E(P)	23 44 41.6
TUC EP	23 44 50.6
EUR IP	23 45 20.6
OCT 27	
BOZ EP	02 06 40.0
EL	07 16.5
EUR EP	02 07 16.0
E(S)	08 27.0
OCT 27	
FGU EP	02 21 47.7
E(S)	22 12.0
GCA IP	02 22 03.8
OCT 27	
H-03 46 39.6	
56.3N 163.7E	
h ABOUT 11KM	
COL EP	03 52 02.0
EUR EP	03 56 00.9
E	56 11.8
OCT 27	
COL FP	04 09 43.0
OCT 27	
TUC EP	06 42 43.2
OCT 27	
COL EP	06 56 46.0
OCT 27	
H-07 00 35.9	
18.7N 104.8W	
h ABOUT 33KM	
TUC E(P)	07 04 02.6
OCT 27	
H-09 27 48.2	
18.9S 173.2W	
h ABOUT 33KM	
TUC EP	09 39 48.8

Date and Station	Phase (GCT)
	h m s
EUR E(P)	09 39 50.9
I▸P	40 02.9
ALQ EP	09 40 12.2
FGU FP	09 40 17.0
BOZ EP	09 40 22.0
E▸P	40 34.0
COL IP	09 40 25.7
OCT 27	
CED E(P)	10 15 57.5
IL	16 35.5
OCT 27	
H-11 20 53.2	
17.2N 100.3W	
h ABOUT 33KM	
ALQ EP	11 25 09.3
EUR IP	11 26 25.3
OCT 27	
H-12 47 28.3	
61.0N 146.5W	
h ABOUT 7KM	
COL IP	12 48 31.5
ES	49 27.0
HHM E(P)	12 52 28.0
BOZ EP	12 52 57.8
F	53 07.5
EUR IP	12 53 27.2
OCT 27	
COL IP	13 00 38.4
EUR IP	13 01 16.8
OCT 27	
H-13 27 40.6	
53.6N 161.5E	
h ABOUT 15KM	
COL EP	13 33 27.0
EUR IP	13 37 17.0
OCT 27	
EUR E(P)	13 33 09.0
OCT 27	
EUR FP	15 09 56.9
OCT 27	
H-15 13 45.5	
64.7N 162.5W	
h ABOUT 77KM	
COL IP	15 15 17.2
IL	17 19.0
BOZ E(P)	15 20 20.0
EUR IP	15 20 47.5

Date and Station	Phase (GCT)
	h m s
OCT 27	
H-15 41 01.4	
1.1N 127.1E	
h ABOUT 146KM	
ALQ EP'	15 59 35.6
OCT 27	
COL FP	15 44 08.0
OCT 27	
H-15 56 17.9	
51.2N 157.9E	
h ABOUT 71KM	
COL IP	16 02 27.5
BOZ IP	16 05 55.5
EUR IP	16 06 08.0
I	06 21.6
OCT 27	
GCA EP	16 50 32.1
OCT 27	
H-17 53 59.8	
17.8S 178.7W	
h ABOUT 557KM	
EUR IP	18 05 21.3
TUC EP	18 05 23.6
COL IP	18 05 39.4
ALQ I(P)	18 05 45.0
BOZ EP	18 05 49.0
OCT 27	
EUR EP	19 06 21.0
OCT 27	
EUR EP	20 28 53.8
E	29 29.4
OCT 27	
H-22 40 24.2	
45.7N 142.9E	
h ABOUT 309KM	
COL IP	22 47 39.7
SIT F(P)	22 48 45.1
HHM EP	22 50 31.0
BOZ IP	22 50 51.2
EUR IP	22 51 02.8
I	51 11.3
I(▸P)	52 16.9
E	53 00.0
BCN IP C	22 51 21.8
I	51 29.0
RCD EP	22 51 23.0
GCA EP	22 51 27.7
TUC IP C	22 51 49.1

Date and Station	Phase (GCT)
	h m s
ALQ IP	22 51 52.0
OCT 28	
EUR E(P)	00 27 30.6
E	27 42.5
EL	28 32.8
OCT 28	
H-01 46 45.1	
51.8N 176.5E	
h ABOUT 58KM	
COL EP	01 51 40.7
HHM E(P)	01 54 40.0
BOZ EP	01 55 04.0
EUR EP	01 55 13.2
IsP	55 31.7
I	56 58.4
BCN E(P)	01 55 37.0
EsP	55 55.0
TUC EP	01 56 12.8
I(sP)	56 33.0
ALQ EP	01 56 18.5
OCT 28	
KIP E(P)	02 31 30.8
OCT 28	
H-02 33 22.2	
26.1N 044.5W	
h ABOUT 33KM	
ALQ E(P)	02 42 41.5
OCT 28	
TUC E(P)	02 44 42.4
E(L)	45 46.0
OCT 28	
SIT IP	03 01 03.4
OCT 28	
H-05 18 27.0	
44.6N 130.0W	
h ABOUT 33KM	
EUR EP	05 21 15.5
E	22 15.8
BCN E(P)	05 21 59.5
TUC E(P)	05 22 52.5
ALQ E(P)	05 23 05.0
OCT 28	
EUR E(P)	05 33 32.9
OCT 28	
H-05 45 34.4	
12.8S 165.7E	
h ABOUT 77KM	
COL EP	05 58 00.5
EUR IP	05 58 21.6

Date and Station	Phase (GCT)
	h m s
OCT 28	
COL E(P)	05 47 52.7
OCT 28	
EUR EP	07 40 39.3
OCT 28	
H-08 58 27.0	
01.7S 127.3E	
h ABOUT 33KM	
COL E(P)	09 11 20.0
EUR EP'	09 16 58.0
EPKKP	28 04.5
BOZ EP'	09 17 07.0
EPP	17 55.5
TUC EP'	09 17 09.0
ALQ EP'	09 17 14.8
OCT 28	
EUR E(P)	10 58 20.7
OCT 28	
EUR EP	11 05 58.8
EL	06 36.7
OCT 28	
EUR EP	11 30 43.7
OCT 28	
H-11 55 53.1	
44.7N 129.7W	
h ABOUT 33KM	
EUR E(P)	11 58 38.3
ALQ E(P)	12 00 29.5
OCT 28	
EUR EP	17 58 48.5
OCT 28	
ALQ E(P)	18 52 22.6
GCA E(P)	18 53 12.0
OCT 28	
COL E(P)	19 11 20.0
OCT 28	
EUR EP	19 16 10.5
OCT 28	
H-20 20 18.3	
29.4N 107.9W	
h ABOUT 33KM	
TUC IP D	20 21 12.7
EL	22 22.0
ALQ EIP	20 21 46.6
I	21 55.0
IL	23 34.2
BCN EP	20 22 26.3
EL	24 57.0
GCA E(P)	20 22 33.3

Date and Station	Phase (GCT)
	h m s
EUR EP	20 23 12.2
EL	26 28.5
BOZ EP	20 24 14.5
OCT 28	
TUC E(P)	21 11 48.5
EUR EP	21 12 28.4
OCT 28	
H-21 19 55.2	
44.6N 129.4W	
h ABOUT 33KM	
EUR IP	21 22 37.9
BOZ EP	21 22 55.5
BCN EP	21 23 16.0
GCA E(P)	21 23 36.2
TUC E(P)	21 24 16.0
E(S)	28 00.0
RCD EP	21 24 16.0
ALQ EP	21 24 27.4
COL E(P)	21 24 56.0
OCT 28	
BHP IP	21 37 36.0
IS	38 02.0
OCT 28	
GCA IP	21 50 39.3
OCT 28	
EUR IP	21 59 45.0
I(S)	22 00 34.8
OCT 28	
H-23 08 19.2	
58.6N 151.6W	
h ABOUT 33KM	
COL EP	23 09 54.6
OCT 28	
BUT IP	23 25 40.5
OCT 28	
EUR E(P)	23 44 37.7
OCT 29	
FGU E(P)	01 28 28.7
GCA EP	01 28 38.0
EUR EP	01 28 43.2
EL	29 16.3
OCT 29	
BOZ E(P)	02 41 17.5
OCT 29	
H-03 36 09.2	
28.5N 127.8E	
h ABOUT 205KM	
COL EP	03 46 09.4

Date and Station	Phase (GCT)
	h m s
EUR IP	03 48 48.0
OCT 29	
H-04 07 28.1	
33.5S 178.6W	
h ABOUT 41KM	
TUC E(P)	04 20 31.2
E	21 52.0
EUR E(P)	04 20 [illegible]
OCT 29	
H-04 08 53.2	
33.0S 178.9W	
h ABOUT 60KM	
BCN E(P)	04 20 47.5
E	21 54.0
TUC E(P)	04 21 52.0
EUR IP	04 22 00.8
OCT 29	
EUR IP	04 29 17.9
OCT 29	
H-04 32 01.8	
4.8N 082.6W	
h ABOUT 34KM	
BHP IP	04 33 18.0
IL	34 32.0
SJG EP	04 36 43.0
ALQ EP	04 39 13.2
EUR E(P)	04 40 22.3
BOZ E(P)	04 40 41.0
OCT 29	
EUR EP	06 53 23.0
OCT 29	
COL E(P)	07 33 38.4
OCT 29	
EUR IP	08 20 01.0
OCT 29	
EUR EP	08 27 27.8
E(S)	28 05.0
OCT 29	
H-10 01 36.8	
10.4S 161.4E	
h ABOUT 73KM	
COL EP	10 14 00.5
IpP	14 18.5
EUR IP	10 14 35.0
IpP	14 54.3
BCN EP	10 14 36.3
EpP	14 55.0
OCT 29	
SJG IP	10 12 16.6
IS	12 34.8

Date and Station	Phase (GCT)
	h m s
OCT 29	
H-10 27 31.3	
18.8N 107.4W	
h ABOUT 37KM	
TUC E(P)	10 30 45.5
E	31 01.5
ALQ IP	10 31 21.7
BCN EP	10 31 46.0
EUR IP	10 32 23.2
OCT 29	
COL E(P)	12 09 16.1
OCT 29	
H-12 23 25.7	
6.2S 148.9E	
h ABOUT 59KM	
GUA IP	12 27 57.3
COL EP	12 35 53.0
EUR E(P)	12 36 58.0
OCT 29	
TUC E(P)	13 02 40.2
EL	03 33.6
BCN E(P)	13 03 12.0
E	03 24.3
E	03 44.5
EL	04 29.0
EUR EP	13 04 13.8
E(S)	06 35.0
OCT 29	
EUR EP	14 21 36.0
EL	22 06.3
OCT 29	
SLC EP	16 53 13.1
I	53 14.6
I	53 35.6
EUR IP	16 53 35.0
FGU EP	16 53 40.5
I	53 45.7
ES	54 23.0
BUT E(P)	16 53 58.7
E	55 12.7
BOZ EP	16 54 05.5
BCN E(P)	16 54 06.0
E	54 29.5
EL	55 47.5
GCA EP	16 54 16.7
I	55 14.5
HHM E(P)	16 55 05.2
E	56 28.7
ALQ EP	16 55 24.8
I	57 18.7

Date and Station	Phase (GCT)
	h m s
OCT 29	
EUR IP	18 25 02.9
I	25 23.0
OCT 29	
EUR EP	18 44 37.8
OCT 29	
ALQ E(P)	18 49 05.7
OCT 29	
EUR EP	18 52 32.8
FGU EP	18 52 42.8
OCT 29	
GCA EP	19 59 16.0
I	59 51.5
OCT 29	
H-21 00 00.1	
51.4N 179.2E	
h ABOUT 0KM	
COL E(P)	21 04 50.3
I	04 52.0
IPCP	08 50.1
BRW IP C	21 05 02.1
I	05 04.4
E	05 28.5
KIP IP	21 06 53.9
HON IP	21 06 54.9
UKI E(P)	21 07 39.5
HHM IP C	21 07 49.7
IPCP	09 45.2
BUT EP C	21 08 05.6
IPCP	09 50.6
BOZ IP C	21 08 11.9
IPCP	09 55.5
EUR IP C	21 08 21.5
I	09 05.5
I	09 20.3
IPCP	09 58.6
GUA EP	21 08 28.5
CFD IP C	21 08 40.3
FGU I(P)	21 08 43.5
EPCP	10 09.5
BCN IP C	21 08 43.8
IPCP	10 09.8
GCA IP	21 08 53.5
IPCP	10 14.5
RCD E(P)	21 08 56.0
TUC IP C	21 09 20.7
ALQ IP C	21 09 27.0
I	09 38.7
WSC E(P)	21 10 57.7

Date and Station	Phase (GCT)
	h m s
CSC E(P)	21 11 08.4
SJG IP	21 13 01.3
OCT 29	
COL EP	21 23 43.5
OCT 29	
EUR EP	21 38 56.7
E	39 24.8
OCT 29	
EUR IP	22 02 04.5
FGU EP	22 02 28.5
I	02 30.0
IS	02 48.5
BCN I(P)	22 02 44.4
EL	03 32.0
OCT 29	
COL EP	22 30 37.0
OCT 29	
EUR EP	22 47 34.6
I	48 32.0
OCT 29	
EUR E(P)	23 03 56.5
OCT 29	
H-23 55 06.7	
34.0S 179.1E	
h ABOUT 225KM	
EUR EP	24 08 02.4
OCT 30	
COL E(P)	00 11 32.9
OCT 30	
EUR E(P)	00 14 14.3
OCT 30	
H-00 18 50.8	
18.3S 177.7W	
h ABOUT 400KM	
EUR IP	00 30 25.0
TUC EP	00 30 26.5
COL EP	00 30 45.0
ALQ E(P)	00 30 47.5
OCT 30	
TUC E(P)	01 08 30.5
E(S)	09 14.0
BCN E(P)	01 08 55.5
E	09 10.5
IL	10 22.0
GCA E(P)	01 09 21.5
EUR EP	01 09 54.0
E(S)	12 12.0
OCT 30	
ALQ E(P)	01 10 05.9
I	11 57.1

Date and Station	Phase (GCT)
	h m s
OCT 30	
EUR E(P)	01 50 58.0
OCT 30	
COL E(P)	03 28 40.1
E	28 47.6
OCT 30	
EUR EP	04 48 30.5
OCT 30	
H-05 15 03.2	
12.3S 168.0E	
h ABOUT 33KM	
EUR E(P)	05 27 48.5
OCT 30	
BRW EP	05 26 03.2
OCT 30	
H-06 57 39.5	
16.4S 173.3W	
h ABOUT 28KM	
BCN EP	07 09 25.6
TUC EP	07 09 31.5
E(S)	19 22.0
EUR IP	07 09 31.8
GCA EP	07 09 42.0
SLC EP	07 09 51.5
ALQ EP	07 09 55.6
FGU E(P)	07 09 55.8
COL EP	07 10 04.5
BOZ EP	07 10 05.0
OCT 30	
ALQ E(P)	08 33 07.0
OCT 30	
H-08 37 21.7	
02.4S 077.9W	
h ABOUT 166KM	
ALQ E(P)	08 45 29.8
E	46 01.0
TUC EP	08 45 33.8
EUR EP	08 46 34.2
OCT 30	
EUR EP	08 38 16.7
TUC EP	08 38 29.0
ALQ IP	08 38 34.0
E	39 16.5
OCT 30	
H-08 46 32.0	
51.8N 159.4E	
h ABOUT 33KM	
COL E(P)	08 52 35.6

Date and Station	Phase	(GCT) h m s
EUR	IP	08 56 17.8
	I	58 55.5
BCN	E(P)	08 56 46.0
RCD	E(P)	08 56 51.0
OCT 30		
H-12 47 10.0		
14.7N 092.5W		
h ABOUT 65KM		
ALQ	EP	12 52 18.9
TUC	E(P)	12 52 24.0
	IpP	52 39.5
EUR	EP	12 53 34.5
	EpP	53 50.3
OCT 30		
COL	E(P)	12 57 08.5
OCT 30		
BUT	EP	14 00 01.0
	E	00 28.5
OCT 30		
BUT	E(P)	15 30 35.5
OCT 30		
ALQ	E(P)	16 04 32.2
OCT 30		
COL	EP	16 04 37.5
OCT 30		
FUR	EP	16 12 22.0
OCT 30		
EUR	E(P)	17 12 28.5
OCT 30		
H-19 15 57.9		
42.1N 121.8W		
h ABOUT 25KM		
EUR	EP	19 17 16.5
	E	17 29.5
	EL	18 34.3
OCT 30		
H-19 35 40.3		
15.7S 167.6E		
h ABOUT 33KM		
COL	E(P)	19 48 27.0
EUR	EP	19 48 35.5
	I	48 53.8
BCN	EP	19 48 37.0
TUC	E(P)	19 48 46.0
ALQ	E(P)	19 49 06.3
OCT 30		
COL	EP	21 30 45.0
OCT 30		
FUR	EP	22 58 27.7
OCT 30		
H-23 03 32.3		
34.0N 116.8W		
h ABOUT 20KM		
CED	IP	23 03 43.6
EUR	EP	23 04 56.5
	IL	06 27.1
OCT 31		
TUC	E(P)	00 51 30.6
OCT 31		
EUR	EP	01 47 14.9
	E(L)	47 47.2
OCT 31		
H-03 49 06.6		
2.8S 140.5E		
h ABOUT 26KM		
EUR	E(P)	04 03 08.2
SJG	EP'	04 08 50.5
	IP'	08 55.9
OCT 31		
H-06 42 05.8		
11.5S 165.8E		
h ABOUT 48KM		
COL	EP	06 54 30.0
BCN	EP	06 54 53.5
	E	55 04.0
EUR	IP	06 54 54.1
TUC	E(P)	06 55 11.0
BOZ	E(P)	06 55 15.0
OCT 31		
H-07 30 55.8		
53.1N 159.9E		
h ABOUT 33KM		
COL	E(P)	07 36 49.0
OCT 31		
COL	IP	10 19 37.8
OCT 31		
CED	IP	11 05 49.6
OCT 31		
H-11 30 56.3		
44.5N 148.8E		
h ABOUT 50KM		
EUR	IP	11 41 45.5
OCT 31		
GUA	IP	11 59 48.0
	ES	59 55.0
OCT 31		
FUR	E(P)	13 25 10.5
OCT 31		
H-13 47 56.7		
24.8S 068.9W		
h ABOUT 108KM		
SJG	IP	13 55 43.3
	E	55 56.1
	ES	14 02 17.2
CSC	EP	13 57 50.0
	EpP	58 17.0
ALQ	IP	13 58 55.5
	IpP	59 22.5
TUC	IP D	13 58 56.7
	IpP	59 23.7
	IsP	59 36.0
GCA	IP	13 59 21.5
BCN	IP D	13 59 27.0
	IpP	59 53.5
	IsP	14 00 06.7
	E	00 32.5
CED	EP	13 59 27.6
	EpP	59 55.4
RCD	IP D	13 59 31.0
	EpP	59 59.0
	EsP	14 00 12.5
FGU	IP	13 59 31.0
FUR	EP	13 59 44.5
	IpP	14 00 11.5
	IsP	00 24.9
BOZ	IP	13 59 57.2
	IpP	14 00 25.5
	IsP	00 37.6
HHM	IP	14 00 12.2
	IpP	00 41.0
	IsP	00 55.2
COL	EP	14 02 05.3
	EP'	06 10.0
OCT 31		
ALQ	E(P)	14 27 03.0
OCT 31		
H-15 02 49.8		
19.6S 176.2W		
h ABOUT 19KM		
BCN	EP	15 15 01.0
EUR	EP	15 15 05.9
	E	15 26.0
TUC	EP	15 15 07.0
GCA	EP	15 15 16.3
ALQ	IP	15 15 29.6
FGU	E(P)	15 15 32.5
COL	IP	15 15 34.3
HHM	E(P)	15 15 35.2
BOZ	EP	15 15 37.4
OCT 31		
H-15 49 44.9		
20.0S 175.7W		
h ABOUT 229KM		
TUC	EP	16 01 36.0
OCT 31		
H-17 24 06.4		
14.3S [illegible]		
h ABOUT [illegible]		
HHM	EP'	17 43 18.2
BOZ	EP'	17 43 28.6
	E(PP)	46 41.0
EUR	EP'	17 43 34.2
	I	44 08.3
	E(PP)	46 45.5
FGU	IP'	17 43 43.5
RCD	EP'	17 43 45.8
GCA	IP'	17 43 50.0
TUC	EP'	17 43 52.6
	I	43 57.7
ALQ	IP'	17 43 54.1
OCT 31		
COL	EP	17 43 43.0
OCT 31		
H-20 25 30.8		
37.8N 068.0E		
h ABOUT 37KM		
COL	EP	20 37 03.0
OCT 31		
TUC	EP	21 56 06.4
OCT 31		
H-21 56 15.2		
34.2N 117.4W		
h ABOUT 12KM		
CED	I(P)	21 56 19.0
BCN	EP	21 57 00.5
	E	57 07.0
	IL	57 42.5
FUR	IP	21 57 39.8
OCT 31		
EUR	EP	22 03 28.0
OCT 31		
H-23 12 31.0		
38.0N 072.5E		
h ABOUT 109KM		
COL	IP	23 23 48.9
OCT 31		
COL	IP	23 58 37.5