USCGS
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SEISMOLOGICAL BULLETIN

April, 1965

MSI - 292

COAST & GEODETIC SURVEY

MAR 22 1966

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COAST AND GEODETIC SURVEY—WASHINGTON

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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. (BGN)
Bureau of Reclamation
*Bozeman, Mont. (BOZ) WWNSS
*Bozeman, Mont. (BZM)
Montana State College
*Butte, Mont. (BUT)
Montana School of Mines
*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 Latitute 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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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_b values of Gutenberg and Richter determined by the C&GS from the P phase only unless otherwise noted. The magnitude quoted is an average value determined from data forwarded by cooperating Standard Stations and other observatories. Mag. (PAS), (PAL), (BRK) are as reported by Pasadena, Palisades and Berkeley respectively.

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

Data are included for Shemya and Amchitka, which were in operation for March 7 and 10 to April 20 respectively to monitor the Near and Rat Islands aftershocks.

STATION AND INSTRUMENTAL CONSTANTS

Amchitka 51°24'35.0"N., 179°17'32.0"E.

Instrument		T_o	T_g	V
SPZ	Benioff VR	1.01	0.75	5800
SPN	Benioff VR	1.02	0.75	5900
SPE	Benioff VR	1.00	0.75	6300

Shemya 52°44'00.0"N., 174°08'00.0"E.

Instrument		T_o	T_g	V
SPZ	Benioff VR	1.0	0.75	9000
SPN	Benioff VR	1.0	0.75	9000
SPE	Benioff VR	1.0	0.75	9000

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

U.S. Department of Commerce
Environmental Science Services Administration
Coast and Geodetic Survey
Seismology Division
Washington, D. C. 20235

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
1	00 14 05*	51.3 N	177.3 E	33	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
1	01 11 36.4	36.0 N	35.8 E	42	4.3	TURKEY.
1	02 36 48*	50.6 N	177.9 E	25	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
1	04 41 51*	50.4 N	177.6 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
1	07 08 38.3	9.9 N	125.8 E	91	6.4	MINDANAO, PHILIPPINE ISLANDS. FELT AT HINATUAN, MALAYBALAY, AND SURIGAO.
1	08 00 22*	31.4 N	142.0 E	33	4.3	SOUTH OF HONSHU, JAPAN.
1	08 34 53*	20.2 S	173.4 W	33	4.8	TONGA ISLANDS.
1	08 35 24*	50.4 N	179.5 E	12	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
1	08 36 03*	52.5 N	170.6 E	25	4.5	NEAR ISLANDS, ALEUTIAN ISLANDS.
1	09 13 31*	50.5 N	177.2 E	15	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
1	10 12 43*	51.1 N	176.7 E	38	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
1	10 53 21*	7.0 S	127.0 E	290	5.2	BANDA SEA.
1	12 24 50.8	22.2 N	146.7 E	94	4.7	NORTH PACIFIC OCEAN.
1	13 27 30.8	31.2 N	142.0 E	9	5.1	SOUTH OF HONSHU, JAPAN.
1	13 43 32.6	20.6 S	173.6 W	46	5.1	TONGA ISLANDS.
1	16 59 07*	17.8 S	178.6 W	554	4.5	FIJI ISLANDS REGION.
1	17 52 40.6	54.8 N	161.8 E	25	5.0	NEAR EAST COAST OF KAMCHATKA.
1	21 20 43.8	50.0 S	114.1 W	33	5.3	EASTER ISLAND CORDILLERA.
1	22 19 33*	31.2 N	141.9 E	33	4.6	SOUTH OF HONSHU, JAPAN.
1	22 24 48.4	31.5 N	141.9 E	59	4.5	SOUTH OF HONSHU, JAPAN.
2	01 13 30*	13.8 N	90.8 W	33	3.9	NEAR COAST OF GUATEMALA.
2	03 06 51*	42.6 N	111.5 W	33		EASTERN IDAHO.
2	04 59 46*	26.0 S	179.9 E	445	4.0	SOUTH OF FIJI ISLANDS.
2	05 19 25.5	42.5 N	111.5 W	33	4.5	EASTERN IDAHO.
2	05 25 20*	42.5 N	111.5 W	33		EASTERN IDAHO.
2	08 42 48*	51.6 N	176.0 E	49	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
2	12 12 31*	54.0 N	165.0 W	33	3.6	FOX ISLANDS, ALEUTIAN ISLANDS.
2	13 04 01.8	12.5 N	123.5 E	33	5.6	LUZON, PHILIPPINE ISLANDS. FELT AT DUMAGUETE, LEGASPI, AND MASBATE.
2	13 27 42*	51.7 N	179.6 E	33	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
2	13 47 31*	53.0 N	172.7 E	20	4.3	NEAR ISLANDS, ALEUTIAN ISLANDS.
2	15 44 01.0	27.1 S	179.2 W	382	4.7	KERMADEC ISLANDS.
2	15 52 48*	65.7 N	0.2 E	33	4.8	NORWEGIAN SEA.
2	16 09 28*	50.5 N	177.4 E	31	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
2	16 28 21.7	50.4 N	177.4 E	35	5.2	RAT ISLANDS, ALEUTIAN ISLANDS.
2	16 43 05.8	14.8 S	167.3 E	123	4.1	NEW HEBRIDES ISLANDS.
2	16 59 16*	50.2 N	177.4 E	13	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
2	17 01 02*	50.4 N	177.8 E	48	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
2	17 08 18*	50.3 N	177.5 E	31	3.8	RAT ISLANDS, ALEUTIAN ISLANDS.
2	17 19 15.4	50.4 N	177.6 E	34	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
2	18 43 50*	18.3 S	176.8 W	33	4.5	FIJI ISLANDS REGION.
2	18 56 42.0	44.3 N	147.8 E	33	4.8	KURILE ISLANDS.
2	19 54 33*	53.8 N	159.1 E	33	4.3	NEAR EAST COAST OF KAMCHATKA.
2	20 25 29*	50.3 N	177.7 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
2	21 51 04*	5.0 S	150.7 E	33	5.1	NEW BRITAIN REGION.
2	21 58 25*	1.2 S	126.8 E	33		MOLUCCA SEA.
2	22 22 11*	30.0 N	138.1 E	450	4.5	SOUTH OF HONSHU, JAPAN.
2	22 26 47.3	36.8 N	66.6 E	38	5.5	HINDU KUSH REGION.
2	23 04 44*	51.3 N	177.7 E	46	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
2	23 22 48*	50.3 N	177.6 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
3	02 37 56.1	51.6 N	175.8 E	38	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
3	03 01 56.9	44.0 N	82.9 E	10	4.6	NORTHERN SINKIANG PROV., CHINA.
3	03 29 11*	51.4 N	172.0 E	25	4.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
3	03 29 29*	26.4 S	176.4 W	33	4.6	SOUTH OF FIJI ISLANDS.
3	03 30 33.8	51.6 N	174.2 E	33	4.4	NEAR ISLANDS, ALEUTIAN ISLANDS.
3	03 54 52.3	37.7 N	73.1 E	33	5.3	TADZHIK SSR.
3	05 53 07*	3.9 S	102.3 E	51	4.9	SOUTHERN SUMATRA.
3	06 44 01*	10.7 S	166.0 E	194	4.2	SANTA CRUZ ISLANDS.
3	07 01 35*	50.4 N	177.7 E	33	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
3	07 51 46*	57.3 N	152.4 W	33	4.0	KODIAK ISLAND REGION.
3	08 39 40.8	26.8 S	176.4 W	109	4.9	SOUTH OF FIJI ISLANDS.
3	09 33 50*	17.1 S	174.3 W	33	4.3	TONGA ISLANDS.
3	11 20 43.5	16.0 N	97.9 W	16	5.5	OAXACA, MEXICO. MAG. 6 (PAS), 5-5 1/4 (BRK), 5 1/2-5 3/4 (PAL). FELT AT MEXICO CITY.
3	11 29 13.0	16.1 N	97.8 W	45	5.5	OAXACA, MEXICO. MAG. 6-6 1/4 (PAS), 4 3/4-5 (BRK). FELT AT MEXICO CITY.
3	12 32 05*	16.3 N	97.9 W	33	3.7	OAXACA, MEXICO.
3	12 33 46*	50.3 N	178.4 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
3	13 44 54.5	14.8 N	97.6 W	33	4.3	OFF COAST OF OAXACA, MEXICO. FELT AT MEXICO CITY.
3	14 12 56*	50.3 N	178.5 E	43	3.7	RAT ISLANDS, ALEUTIAN ISLANDS.
3	14 30 47.7	38.3 N	20.4 E	22	5.0	GREECE. FELT ON CEPHALONIA, ITHACA, AND ZANTE.
3	15 01 13.0	37.4 N	19.8 E	50	4.2	IONIAN SEA. FELT ON CEPHALONIA AND ITHACA.
3	16 07 02.5	42.4 N	32.8 E	33	4.5	BLACK SEA.
3	18 31 40.0	26.5 S	176.3 W	33	4.7	SOUTH OF FIJI ISLANDS.
3	19 17 01*	50.6 N	178.3 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
3	22 51 36.2	13.6 N	119.7 E	90	5.6	PHILIPPINE ISLANDS REGION, FELT AT MANILA.
4	04 25 49*	7.0 S	105.0 E	33	5.3	JAVA.
4	04 33 31.2	6.9 N	73.0 W	167	4.0	NORTHERN COLOMBIA.
4	05 53 38.6	1.4 N	80.0 W	33	4.8	OFF COAST OF ECUADOR.
4	07 06 30*	50.4 N	178.3 E	36	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
4	08 50 06.0	50.4 N	178.4 E	33	3.7	RAT ISLANDS, ALEUTIAN ISLANDS.
4	10 59 26*	50.4 N	178.1 E	14	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
4	11 13 18.9	16.9 S	173.4 W	61	4.6	TONGA ISLANDS.
4	11 35 54.5	5.5 S	152.3 E	37	4.3	NEW BRITAIN REGION.
4	11 59 34*	50.2 N	178.6 E	33	3.8	RAT ISLANDS, ALEUTIAN ISLANDS.
4	12 02 26*	41.2 N	71.5 E	33	4.7	KIRGIZ SSR.
4	13 30 37.8	51.9 N	175.2 E	40	5.7	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 6 (PAS), 5.4 (BRK), 6-6 1/4 (PAL).
4	13 50 59*	46.6 N	152.7 E	59	4.3	KURILE ISLANDS.
4	14 19 05*	50.7 N	178.1 E	33	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
4	15 36 11.9	26.9 S	176.1 W	33	5.6	SOUTH OF FIJI ISLANDS. MAG. 6 (PAS), 5 1/2-5 3/4 (BRK).
4	15 52 47.7	26.9 S	176.1 W	29	5.0	SOUTH OF FIJI ISLANDS.
4	16 10 08.3	27.1 S	176.0 W	28	4.9	KERMADEC ISLANDS.
4	16 32 41.9	26.9 S	176.0 W	12	5.2	SOUTH OF FIJI ISLANDS.
4	18 21 17*	51.5 N	174.6 E	40	4.5	NEAR ISLANDS, ALEUTIAN ISLANDS.
4	19 08 15.7	51.9 N	175.3 E	33	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
4	20 09 41.1	8.8 S	74.5 W	143	5.3	PERU-BRAZIL BORDER REGION.
4	20 31 35.0	4.9 N	76.1 W	102	4.9	COLOMBIA. FELT AT BOGOTA, CALI, AND PEREIRA.
4	20 45 49*	51.9 N	175.4 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
4	21 05 04*	51.4 N	174.4 E	32	4.9	NEAR ISLANDS, ALEUTIAN ISLANDS.
4	22 48 24.2	50.2 N	178.6 E	20	4.7	RAT ISLANDS, ALEUTIAN ISLANDS.
4	23 39 38*	16.6 S	178.6 W	540	3.8	FIJI ISLANDS REGION.
5	00 52 19*	16.8 S	167.6 E	33		NEW HEBRIDES ISLANDS.
5	01 56 44*	25.8 S	176.3 W	33	4.1	SOUTH OF FIJI ISLANDS.
5	02 13 13.8	40.2 N	140.7 E	48	3.6	HONSHU, JAPAN.
5	03 12 54.2	37.7 N	21.8 E	34	5.7	SOUTHERN GREECE. MAG. 5 1/2-5 3/4 (PAL). 32 KILLED, 200 INJURED, AND MAJOR PROPERTY DAMAGE IN CENTRAL PELOPONNESUS.
5	03 38 04.9	51.6 N	174.2 E	44	4.2	NEAR ISLANDS, ALEUTIAN ISLANDS.
5	06 21 34.2	3.2 S	148.4 E	10	5.0	BISMARCK SEA.
5	07 23 30*	10.5 S	164.1 E	27	4.4	SANTA CRUZ ISLANDS REGION.
5	07 34 15.1	24.7 N	140.8 E	200	4.4	VOLCANO ISLANDS REGION.
5	09 27 32.5	43.9 N	127.8 W	33	5.1	OFF COAST OF OREGON.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
5	13 16 38*	53.8 N	160.8 W	35	4.1	SOUTH OF ALASKA.
5	13 52 13.4	44.6 N	151.1 E	81	5.7	KURILE ISLANDS REGION. MAG. 5 (BRK), 5 1/2-5 3/4 (PAL).
5	14 33 39.0	26.7 S	176.3 W	45	4.6	SOUTH OF FIJI ISLANDS.
5	15 32 50*	50.2 N	178.1 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
5	15 51 23*	36.3 S	54.0 E	33	4.6	SOUTH INDIAN OCEAN.
5	16 55 51.3	52.8 N	172.4 E	42	5.3	NEAR ISLANDS, ALEUTIAN ISLANDS.
5	17 46 23.7	51.4 N	179.9 W	20	4.4	ANDREANOF ISLANDS, ALEUTIAN IS.
5	18 03 51.6	51.2 N	178.6 E	36	4.9	RAT ISLANDS, ALEUTIAN ISLANDS.
5	19 32 59*	50.4 N	178.9 E	47	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
5	21 00 00.037					37° 01' 32.9"N. 116° 01' 21.5"W. NEVADA TEST SITE. "KESTREL." SHOT ELEVATION 765.0 METERS (AEC).
5	21 08 39.0	50.3 N	178.9 E	29	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
5	21 16 15*	53.5 N	180.0 W	33	4.3	ANDREANOF ISLANDS, ALEUTIAN IS.
5	22 42 47.2	20.2 S	173.9 W	102	4.6	TONGA ISLANDS.
6	02 27 47.7	51.0 N	178.8 E	87	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
6	03 19 01.7	52.2 N	173.3 E	30	5.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
6	03 25 27*	52.3 N	172.4 E	33	4.2	NEAR ISLANDS, ALEUTIAN ISLANDS.
6	04 19 16.3	27.2 S	176.4 W	47	4.9	KERMADEC ISLANDS.
6	05 31 59.7	36.1 N	139.6 E	69	5.7	HONSHU, JAPAN. FELT AT TOKYO.
6	08 10 41*	41.8 N	141.5 E	86	4.3	HOKKAIDO, JAPAN REGION.
6	09 42 28.2	0.5 S	119.9 E	33	5.3	NORTHERN CELEBES. MAG. 6 (PAL).
6	10 47 55*	50.0 N	178.5 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
6	12 02 17*	21.0 S	178.7 W	554	4.7	FIJI ISLANDS REGION.
6	12 34 36*	50.8 N	180.0 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
6	13 19 02.2	51.3 N	179.8 W	46	5.2	ANDREANOF ISLANDS, ALEUTIAN IS.
6	13 30 45.1	50.2 N	178.3 E	40	5.1	RAT ISLANDS, ALEUTIAN ISLANDS.
6	14 17 00.0	50.3 N	178.7 E	35	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
6	14 46 01.2	45.6 N	111.9 W	33	3.7	MONTANA. FELT AT VIRGINIA CITY.
6	15 57 05.2	39.0 N	118.8 W	33	3.9	NEVADA. MAG. 3 3/4 (BRK).
6	16 53 57.8	14.2 N	92.6 W	57	5.0	NEAR COAST OF CHIAPAS, MEXICO.
6	17 26 46.7	27.1 S	176.3 W	38	4.3	KERMADEC ISLANDS.
6	17 37 36*	55.5 N	166.8 W	33	4.2	FOX ISLANDS, ALEUTIAN ISLANDS.
6	18 44 00*	53.7 N	160.7 W	33	4.2	SOUTH OF ALASKA.
6	18 57 09*	51.7 N	175.1 E	64	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
6	19 21 49.7	3.1 S	78.2 W	97	5.0	PERU-ECUADOR BORDER REGION.
6	21 50 21.9	45.4 N	149.9 E	16	5.0	KURILE ISLANDS.
7	00 43 47*	24.7 S	179.4 W	449	4.0	SOUTH OF FIJI ISLANDS.
7	03 27 52*	22.5 N	143.4 E	201	4.1	VOLCANO ISLANDS REGION.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
7	04 16 47*	37.7 N	22.5 E	70	4.9	SOUTHERN GREECE. FELT IN PELOPONNESUS.
7	06 48 39*	34.3 N	25.0 E	33	4.2	CRETE.
7	08 06 02.0	21.0 S	168.2 E	33		LOYALTY ISLANDS.
7	08 09 38*	50.3 N	178.1 E	33	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
7	08 12 28*	16.7 S	178.2 W	407	4.4	FIJI ISLANDS REGION.
7	08 17 35*	52.4 N	177.5 E	33	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
7	09 42 30*,	50.5 N	176.5 E	25	4.6	RAT ISLANDS, ALEUTIAN ISLANDS.
7	11 54 18*	50.9 N	176.3 E	33	3.8	RAT ISLANDS, ALEUTIAN ISLANDS.
7	13 22 53*	51.2 N	173.0 E	33	4.5	NEAR ISLANDS, ALEUTIAN ISLANDS.
7	15 40 25*	39.7 N	140.8 E	79	4.1	HONSHU, JAPAN.
7	17 48 59.7	21.0 S	178.8 W	568	5.5	FIJI ISLANDS REGION.
7	20 27 51*	50.8 N	178.4 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
7	21 06 43.0	44.4 N	114.8 W	33	3.8	WESTERN IDAHO.
8	00 02 40.1	8.3 S	80.1 W	33	4.3	OFF COAST OF NORTHERN PERU.
8	01 08 09.5	50.2 N	178.1 E	11	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
8	01 57 53.8	50.2 N	178.5 E	29	4.9	RAT ISLANDS, ALEUTIAN ISLANDS.
8	04 44 47.9	8.0 N	82.2 W	33	4.1	PANAMA-COSTA RICA BORDER REGION.
8	09 22 46*	39.0 N	143.0 E	28	4.3	OFF EAST COAST OF HONSHU, JAPAN.
8	12 46 29*	22.6 S	179.8 E	455	4.5	SOUTH OF FIJI ISLANDS.
8	12 51 27.8	17.6 S	178.7 W	575	5.2	FIJI ISLANDS REGION. MAG. 5 1/4-5 1/2 (BRK).
8	13 43 52.8	52.2 N	173.5 E	46	5.4	NEAR ISLANDS, ALEUTIAN ISLANDS. MAG. 5 3/4 (PAS), 6 (PAL). FELT ON SHEMYA.
8	14 31 10.9	52.0 N	173.4 E	34	5.3	NEAR ISLANDS, ALEUTIAN ISLANDS.
8	14 48 21.8	5.8 S	154.6 E	125	5.5	SOLOMON ISLANDS.
8	15 44 08.5	50.5 N	177.5 E	32	4.8	RAT ISLANDS, ALEUTIAN ISLANDS.
8	17 03 47*	51.7 N	179.1 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
8	17 06 09.8	2.2 S	139.7 E	33	4.8	NEAR N. COAST OF WEST NEW GUINEA.
8	17 44 04.6	52.1 N	173.1 E	41	5.0	NEAR ISLANDS, ALEUTIAN ISLANDS.
8	18 59 16.7	53.0 N	171.6 E	33	4.7	NEAR ISLANDS, ALEUTIAN ISLANDS.
8	20 31 00.2	57.8 S	29.8 W	97	6.2	SOUTH SANDWICH ISLANDS REGION.
8	22 10 17.7	6.8 S	147.0 E	77	5.6	EAST NEW GUINEA REGION.
9	01 15 15*	38.0 N	72.9 E	150	4.8	TADZHIK SSR.
9	01 28 48.2	57.6 N	151.4 W	33	4.6	KODIAK ISLAND REGION.
9	03 02 53.0	51.7 N	176.3 E	33	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
9	03 20 10*	51.7 N	176.2 E	40	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
9	05 49 02.0	52.3 N	171.9 E	38	4.8	NEAR ISLANDS, ALEUTIAN ISLANDS.
9	07 39 17*	51.7 N	177.2 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
9	08 28 54*	35.4 N	136.0 E	33	4.6	SOUTHERN HONSHU, JAPAN.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
9	10 45 29.4	32.6 S	178.3 W	52	5.1	SOUTH OF KERMADEC ISLANDS. MAG. 5 1/4 (PAL).
9	10 46 06*	50.4 N	178.1 E	12	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
9	14 32 21.1	33.5 N	137.6 E	332	4.9	NEAR S. COAST OF HONSHU, JAPAN.
9	15 09 15.9	11.4 N	87.4 W	33	4.2	NEAR COAST OF NICARAGUA.
9	15 36 27*	51.1 N	178.9 E	61	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
9	17 33 45.3	59.6 N	144.9 W	52	4.8	GULF OF ALASKA. MAG. 5-5 1/4 (PAL).
9	18 20 01.5	54.8 S	118.4 W	33	5.3	EASTER ISLAND CORDILLERA.
9	22 52 24.3	4.2 S	134.1 E	33	5.6	WEST NEW GUINEA REGION.
9	22 59 40.1	51.9 N	177.6 E	54	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
9	23 47 12.5	4.0 S	134.2 E	33	5.2	WEST NEW GUINEA REGION.
9	23 57 03.2	35.1 N	24.3 E	51	6.0	CRETE. MAG. 5 3/4 (PAL). FELT ON CRETE AND IN THE CYCLADES AND DODECANESE.
10	00 12 44*	50.8 N	175.8 E	33	5.1	RAT ISLANDS, ALEUTIAN ISLANDS. FELT ON AMCHITKA.
10	00 20 01.1	35.0 N	24.2 E	59	4.5	CRETE. FELT.
10	00 40 01.4	51.3 N	179.3 E	36	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
10	01 22 30.6	52.8 N	172.0 E	13	5.3	NEAR ISLANDS, ALEUTIAN ISLANDS.
10	01 40 09*	51.6 N	175.9 E	41	4.6	RAT ISLANDS, ALEUTIAN ISLANDS.
10	04 39 55*	20.3 S	174.3 W	33	4.4	TONGA ISLANDS.
10	04 43 54*	51.2 N	176.1 E	33	5.1	RAT ISLANDS, ALEUTIAN ISLANDS.
10	05 01 21*	51.2 N	176.1 E	33	4.8	RAT ISLANDS, ALEUTIAN ISLANDS.
10	06 25 24*	51.2 N	176.2 E	26	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
10	07 41 37.3	4.8 S	152.6 E	66	5.1	NEW BRITAIN REGION.
10	11 16 57*	51.5 N	175.8 E	52	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
10	12 00 22*	50.4 N	178.5 E	36	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
10	14 11 22.0	37.6 N	73.4 E	33	5.5	TADZHIK SSR.
10	14 46 50.7	20.2 S	173.7 W	33	5.7	TONGA ISLANDS.
10	15 07 23*	50.1 N	178.4 E	33	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
10	16 54 55.8	53.1 N	170.9 E	8	5.8	NEAR ISLANDS, ALEUTIAN ISLANDS. MAG. 5 1/4-5 1/2 (PAL).
10	19 43 23.2	15.8 S	172.0 W	43	5.3	SAMOA ISLANDS REGION.
10	21 21 27.3	37.3 N	71.9 E	136	4.9	AFGHANISTAN-USSR BORDER REGION.
10	22 32 46.6	17.8 S	178.8 W	543	5.9	FIJI ISLANDS REGION. MAG. 6 (PAS), 5 1/2-5 3/4 (BRK).
10	22 53 04.8	13.4 S	170.3 E	644	6.2	NEW HEBRIDES ISLANDS REGION.
11	00 11 08.8	42.7 S	173.9 E	7	6.2	SOUTH ISLAND, NEW ZEALAND.
11	00 46 44.5	32.7 N	115.5 W	17	4.5	CALIFORNIA-MEXICO BORDER REGION. MAG. 3 3/4-4 (PAS).
11	01 16 10*	28.8 N	43.2 W	33	4.8	NORTH ATLANTIC RIDGE.
11	01 32 42*	32.0 N	115.6 W	33	4.4	CALIFORNIA-MEXICO BORDER REGION.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
11	02 10 42.0	30.6 S	178.1 W	68	4.6	KERMADEC ISLANDS REGION.
11	03 59 25*	31.7 N	114.1 W	33	4.1	GULF OF CALIFORNIA.
11	04 59 39.3	19.8 N	109.2 W	33	5.0	REVILLA GIGEDO ISLANDS REGION. MAG. 4 3/4-5 (BRK), 4 3/4-5 (PAL).
11	05 41 56*	36.4 N	121.3 W	15	4.3	CENTRAL CALIFORNIA. MAG. 3 1/2 (BRK).
11	11 09 34*	51.7 N	172.5 E	35	4.7	NEAR ISLANDS, ALEUTIAN ISLANDS.
11	12 46 31*	19.7 N	108.9 W	33	4.7	REVILLA GIGEDO ISLANDS REGION.
11	13 25 46.0	22.0 S	175.3 W	33	4.7	TONGA ISLANDS REGION.
11	13 43 50.3	9.8 S	161.4 E	61	4.5	SOLOMON ISLANDS.
11	14 27 44.7	29.4 N	104.5 E	33	5.1	SZECHWAN PROVINCE, CHINA.
11	16 53 53.9	11.5 S	166.1 E	75	5.4	SANTA CRUZ ISLANDS.
11	17 01 32.6	30.8 S	177.9 W	40	4.7	KERMADEC ISLANDS REGION.
11	17 03 45.8	30.7 S	178.1 W	67	5.3	KERMADEC ISLANDS REGION.
11	18 51 38.1	26.2 S	178.5 E	581	5.6	SOUTH OF FIJI ISLANDS.
11	22 33 05.9	26.7 N	92.3 E	70	5.1	EASTERN INDIA.
11	23 48 53*	6.1 S	106.8 W	33	4.2	NORTHERN EASTER I. CORDILLERA.
12	00 43 04*	3.5 N	77.3 W	178	4.4	NEAR WEST COAST OF COLOMBIA.
12	01 44 55*	51.2 N	175.7 E	30	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
12	03 59 40.2	56.6 N	152.7 W	33	5.3	KODIAK ISLAND REGION.
12	04 36 11.6	52.7 N	167.4 W	16	5.1	FOX ISLANDS, ALEUTIAN ISLANDS.
12	04 43 10.0	52.7 N	167.5 W	22	5.3	FOX ISLANDS, ALEUTIAN ISLANDS.
12	08 41 52*	36.7 N	118.0 W	15	2.9	CENTRAL CALIFORNIA. MAG. 3 1/2 (BRK).
12	08 51 16.7	32.5 S	178.1 W	22	4.9	SOUTH OF KERMADEC ISLANDS.
12	09 11 49.5	53.5 N	164.7 W	35	4.2	UNIMAK ISLAND REGION.
12	15 13 14*	32.7 S	178.3 W	11		SOUTH OF KERMADEC ISLANDS.
12	15 50 39.8	36.0 N	139.5 E	77	4.9	HONSHU, JAPAN.
12	17 26 57.8	15.2 S	175.7 W	118	4.3	TONGA ISLANDS.
12	17 34 23*	51.3 N	178.0 E	35	4.5	RAT ISLANDS, ALEUTIAN ISLANDS.
12	19 14 28*	45.1 N	25.7 E	60	4.1	RUMANIA.
12	19 36 41.7	26.5 S	70.8 W	52	5.4	NEAR COAST OF NORTHERN CHILE. FELT AT CHANARAL, COPIAPO, AND VALLENAR.
12	20 26 15.3	32.3 S	178.5 W	167	5.9	SOUTH OF KERMADEC ISLANDS.
12	20 41 16.3	30.2 N	138.5 E	421	5.8	SOUTH OF HONSHU, JAPAN. MAG. 5 3/4-6 (BRK).
12	21 04 44*	17.7 S	178.7 W	600	4.1	FIJI ISLANDS REGION.
12	21 27 59*	32.6 S	178.0 W	33	4.7	SOUTH OF KERMADEC ISLANDS.
13	00 28 20*	51.6 N	173.3 E	50	4.4	NEAR ISLANDS, ALEUTIAN ISLANDS.
13	01 17 31*	13.9 N	92.0 W	33	4.1	OFF COAST OF CHIAPAS, MEXICO.
13	03 50 25.8	36.5 N	139.5 E	76	4.3	HONSHU, JAPAN.
13	04 46 43*	9.7 N	84.4 W	33	4.0	COSTA RICA.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
13	05 22 36*	51.5 N	177.0 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
13	07 28 43.8	15.7 S	168.2 E	21	4.7	NEW HEBRIDES ISLANDS.
13	07 59 01*	46.9 N	113.1 W	33	4.0	MONTANA.
13	09 35 46*	30.3 N	105.1 W	33	4.2	TEXAS-MEXICO BORDER REGION.
13	13 14 22.1	38.9 N	117.7 W	33	4.6	NEVADA. MAG. 4 1/4-4 1/2 (BRK).
13	15 23 06.0	51.5 N	172.1 E	35	5.3	NEAR ISLANDS, ALEUTIAN ISLANDS.
13	17 22 38.6	26.8 S	175.9 W	33	5.0	SOUTH OF TONGA ISLANDS.
13	17 45 27.2	51.6 N	159.4 E	33	4.9	OFF EAST COAST OF KAMCHATKA.
13	17 55 32.9	50.7 N	177.2 E	32	5.1	RAT ISLANDS, ALEUTIAN ISLANDS.
13	20 30 10*	51.4 N	174.1 E	33	4.4	NEAR ISLANDS, ALEUTIAN ISLANDS.
13	20 43 00*	15.4 N	104.8 W	33	4.8	OFF COAST OF MICHOACAN, MEXICO. FELT AT ACAPULCO.
13	21 06 14*	51.4 N	178.3 E	43	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
13	22 37 20*	15.4 N	104.8 W	33	4.4	OFF COAST OF MICHOACAN, MEXICO.
13	23 22 57.2	54.2 N	163.4 W	36	5.0	UNIMAK ISLAND REGION.
14	02 46 14.7	46.3 N	152.6 E	33	4.6	KURILE ISLANDS.
14	04 52 36*	18.7 N	107.8 W	33	3.9	OFF COAST OF JALISCO, MEXICO.
14	07 35 39.4	56.3 N	153.5 W	27	5.0	KODIAK ISLAND REGION.
14	08 23 34.7	1.2 S	78.8 W	59	4.6	ECUADOR.
14	10 04 35.1	4.2 S	153.1 E	107	5.2	NEW IRELAND REGION.
14	10 18 49.2	18.1 N	94.1 W	106	4.7	GULF OF CAMPECHE. FELT AT COATZACOALCOS.
14	10 47 02*	31.6 S	67.5 W	29	4.5	SAN JUAN PROVINCE, ARGENTINA.
14	10 55 04.2	51.6 N	159.5 E	24	4.4	OFF EAST COAST OF KAMCHATKA.
14	11 49 22*	32.5 S	178.0 W	33	4.4	SOUTH OF KERMADEC ISLANDS.
14	13 14 00.1CS					37° 16' 49.4" N. 116° 31' 24.8" W. NEVADA TEST SITE. "PALANQUIN." SHOT ELEVATION 1705.1 METERS (AEC).
14	13 57 42.4	1.6 S	126.6 E	33	5.3	MOLUCCA SEA.
14	17 41 44*	20.4 S	177.8 W	458	4.3	FIJI ISLANDS REGION.
14	22 02 38.9	5.4 S	154.1 E	166	5.0	SOLOMON ISLANDS.
14	22 53 00.2	15.4 S	167.5 E	126	4.9	NEW HEBRIDES ISLANDS. FELT ON SANTO.
15	01 21 47.5	6.9 N	73.0 W	161	5.0	NORTHERN COLOMBIA.
15	04 33 32*	23.7 S	179.6 W	460	4.6	SOUTH OF FIJI ISLANDS.
15	05 09 51.1	24.9 N	122.6 E	190	5.4	TAIWAN REGION. MAG. 4 3/4-5 (BRK).
15	07 44 38*	32.2 S	178.5 W	153	4.3	SOUTH OF KERMADEC ISLANDS.
15	08 22 48*	44.9 N	110.3 W	33	3.1	YELLOWSTONE NATIONAL PARK, WYO.
15	08 48 16*	50.7 N	177.1 E	33	4.2	RAT ISLANDS, ALEUTIAN ISLANDS.
15	09 25 50*	51.9 N	175.7 E	57	3.5	RAT ISLANDS, ALEUTIAN ISLANDS.
15	10 10 14*	5.2 S	152.9 E	105	5.0	NEW BRITAIN REGION. FELT AT RABAUL.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
15	12 24 26*	28.4 N	112.2 W	33	4.7	GULF OF CALIFORNIA.
15	13 39 21*	51.9 N	172.2 E	33	4.2	NEAR ISLANDS, ALEUTIAN ISLANDS.
15	15 12 14.6	52.8 N	172.4 E	44	4.6	NEAR ISLANDS, ALEUTIAN ISLANDS.
15	19 46 34*	13.9 N	146.4 E	30	4.1	SOUTH OF MARIANA ISLANDS.
15	20 08 31.8	34.1 N	117.5 W	15	5.1	SOUTHERN CALIFORNIA. MAG. 4 1/2 (PAS), 4 1/2-4 3/4 (BRK). SLIGHT DAMAGE IN SAN BERNARDINO VALLEY AREA.
15	22 09 52*	50.2 S	113.4 E	33	5.1	SOUTHEAST INDIAN RISE.
15	23 39 55*	17.6 S	173.4 W	45	4.8	TONGA ISLANDS.
16	00 15 52.3	22.3 S	175.5 W	120	4.8	TONGA ISLANDS REGION.
16	03 57 55*	14.0 N	91.8 W	17	4.0	GUATEMALA.
16	04 53 03*	14.0 N	91.6 W	75	4.2	GUATEMALA.
16	06 25 34*	16.3 N	99.0 W	36	4.1	NEAR COAST OF GUERRERO, MEXICO.
16	08 01 46*	66.7 N	135.6 W	33	3.5	NORTHERN YUKON TERRITORY, CANADA.
16	09 59 06.2	20.1 S	169.2 E	62	5.0	NEW HEBRIDES ISLANDS.
16	10 55 41.1	6.3 S	154.7 E	127	5.8	SOLOMON ISLANDS.
16	11 01 52*	14.0 N	91.5 W	65	4.5	GUATEMALA.
16	12 51 48.7	21.7 S	68.1 W	127	5.0	CHILE-BOLIVIA BORDER REGION.
16	13 39 00*	13.7 N	91.7 W	78	4.2	NEAR COAST OF GUATEMALA.
16	13 49 00*	51.1 N	162.7 E	33	4.0	OFF EAST COAST OF KAMCHATKA.
16	14 33 51.9	50.6 N	177.3 E	38	5.0	RAT ISLANDS, ALEUTIAN ISLANDS.
16	14 51 26*	50.7 N	177.3 E	33	4.0	RAT ISLANDS, ALEUTIAN ISLANDS.
16	22 54 23.5	31.3 S	68.0 W	151	4.6	SAN JUAN PROVINCE, ARGENTINA.
16	23 22 18.6	64.7 N	160.1 W	5	5.8	CENTRAL ALASKA. MAG. 5 3/4-6 (PAS), 5 3/4-6 (BRK), 6 3/4-7 (PAL). FELT IN NORTON SOUND VICINITY.
17	00 00 29.7	52.6 N	173.1 E	43	5.1	NEAR ISLANDS, ALEUTIAN ISLANDS. FELT ON SHEMYA.
17	02 45 04.8	7.2 S	67.9 E	33	5.2	MID-INDIAN RISE.
17	03 31 23*	52.3 N	176.6 E	33	3.8	RAT ISLANDS, ALEUTIAN ISLANDS.
17	03 37 01.7	31.3 N	137.4 E	491	4.1	SOUTH OF HONSHU, JAPAN.
17	04 28 17.5	30.0 N	143.6 E	37	4.6	SOUTH OF HONSHU, JAPAN.
17	06 09 11.9	52.3 N	174.2 E	48	4.5	NEAR ISLANDS, ALEUTIAN ISLANDS.
17	07 02 50*	14.1 N	91.3 W	33	3.6	GUATEMALA.
17	09 46 42*	14.6 S	167.5 E	123		NEW HEBRIDES ISLANDS.
17	11 21 57*	50.1 N	178.1 E	33	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
17	12 23 23.4	52.6 N	174.2 W	35	4.4	ANDREANOF ISLANDS, ALEUTIAN IS.
17	13 31 34.1	35.2 N	118.6 W	33	3.9	CENTRAL CALIFORNIA.
17	15 51 55.7	14.5 S	173.1 W	33	4.6	SAMOA ISLANDS REGION.
17	19 06 14.4	50.5 N	177.1 E	10	4.6	RAT ISLANDS, ALEUTIAN ISLANDS.
18	02 34 29*	24.1 S	179.7 E	466	4.5	SOUTH OF FIJI ISLANDS.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
18	04 26 43*	21.9 S	179.7 W	598	3.9	FIJI ISLANDS REGION.
18	05 44 29.1	7.6 N	82.3 W	33	4.6	SOUTH OF PANAMA.
18	06 33 58.8	41.5 N	127.1 W	20	5.6	OFF COAST OF NORTHERN CALIFORNIA. MAG. 6 (BRK), 5 3/4-6 (PAL).
18	08 06 39.5	4.7 S	151.7 E	142	5.2	NEW BRITAIN REGION. FELT AT RABAUL.
18	09 39 18.7	59.8 S	26.8 W	29	5.9	SOUTH SANDWICH ISLANDS REGION. MAG. 5-6 (BRK).
18	12 23 05.2	1.3 N	79.7 W	55	4.3	NEAR COAST OF ECUADOR.
18	12 41 54.9	59.7 S	26.4 W	25	5.8	SOUTH SANDWICH ISLANDS REGION. MAG. 6 (PAL).
18	13 03 06*	11.8 N	89.8 W	33	4.6	OFF COAST OF CENTRAL AMERICA.
18	13 14 04.6	22.9 N	120.5 E	22	4.3	TAIWAN.
18	14 08 01.4	26.9 S	176.1 W	33	5.2	SOUTH OF FIJI ISLANDS.
18	18 11 26.5	20.1 N	121.2 E	39	4.3	PHILIPPINE ISLANDS REGION.
18	19 05 34*	44.3 N	114.5 W	33	3.5	WESTERN IDAHO.
18	19 27 05.2	59.8 S	26.5 W	33	5.3	SOUTH SANDWICH ISLANDS REGION.
18	20 35 52*	57.3 N	157.8 W	33	4.5	ALASKA PENINSULA.
18	20 49 25*	43.9 N	127.2 W	33	4.4	OFF COAST OF OREGON.
18	21 13 37*	14.0 N	91.8 W	33	4.2	GUATEMALA.
18	22 20 27.3	38.5 S	71.1 W	33	4.7	S. CHILE-ARGENTINA BORDER REGION.
19	00 17 16*	19.4 N	108.0 W	33	4.2	REVILLA GIGEDO ISLANDS REGION.
19	01 04 28*	18.6 N	100.7 W	159	3.5	GUERRERO, MEXICO.
19	01 20 04.2	28.2 N	56.6 E	33	4.7	SOUTHERN IRAN.
19	02 30 18.6	22.0 S	175.0 W	33	4.9	TONGA ISLANDS REGION.
19	03 07 56*	35.3 N	3.8 W	24	4.2	STRAITS OF GIBRALTER. FELT.
19	04 39 55*	30.8 S	178.1 W	33	4.7	KERMADEC ISLANDS REGION.
19	05 19 22*	51.9 N	175.6 E	33	4.4	RAT ISLANDS, ALEUTIAN ISLANDS.
19	05 21 30.3	2.9 S	147.6 E	5	5.0	ADMIRALTY ISLANDS REGION.
19	06 46 33.5	34.6 N	28.4 E	33	4.5	EASTERN MEDITERRANEAN SEA.
19	07 15 54.4	62.1 N	150.2 W	83	4.1	CENTRAL ALASKA.
19	08 06 00*	1.8 N	98.5 E	55	5.5	NORTHERN SUMATRA.
19	08 52 51.8	60.6 N	141.3 W	33	3.8	SOUTHEASTERN ALASKA.
19	11 24 10.0	60.3 N	146.4 W	8	3.7	SOUTHERN ALASKA.
19	16 01 43*	53.3 N	162.0 W	33		SOUTH OF ALASKA.
19	16 09 05.2	52.5 N	172.4 E	15	4.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
19	17 01 10.5	13.5 S	170.3 E	647	4.9	NEW HEBRIDES ISLANDS REGION.
19	18 18 59.9	17.5 S	179.0 W	502	4.1	FIJI ISLANDS REGION.
19	22 21 52*	52.7 N	178.6 W	33	4.3	ANDREANOF ISLANDS, ALEUTIAN IS.
19	22 57 31*	53.0 N	170.9 W	33	4.9	FOX ISLANDS, ALEUTIAN ISLANDS.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
19	23 41 58.8	34.9 N	138.0 E	36	5.6	NEAR S. COAST OF HONSHU, JAPAN. MAG. 4.9 (BRK), 5 3/4-6 (PAL). ONE KILLED, 4 INJURED, AND MINOR PROPERTY DAMAGE.
20	02 03 33*	14.6 S	166.9 E	79		NEW HEBRIDES ISLANDS.
20	02 51 58.7	17.6 S	168.0 E	26		NEW HEBRIDES ISLANDS. FELT AT PORT VILA.
20	04 44 55.5	53.6 N	169.2 E	27	4.9	KOMANDORSKY ISLANDS REGION.
20	05 15 24*	34.1 N	82.0 E	33		TIBET.
20	06 43 08.8	52.4 N	172.0 E	35	5.5	NEAR ISLANDS, ALEUTIAN ISLANDS. MAG. 5-5 1/4 (PAL). FELT ON AMCHITKA AND ADAK.
20	06 50 17.6	54.6 N	161.4 E	33	5.3	NEAR EAST COAST OF KAMCHATKA.
20	06 54 45.0	38.9 N	138.8 E	44	4.6	NEAR WEST COAST OF HONSHU, JAPAN.
20	11 22 44*	4.1 S	104.3 E	33	4.7	SOUTHERN SUMATRA.
20	12 44 58*	14.5 N	91.8 W	96	3.9	GUATEMALA.
20	13 12 46*	14.3 N	92.2 W	84	4.4	NEAR COAST OF CHIAPAS, MEXICO.
20	17 15 19.4	14.8 N	146.9 E	60	5.8	MARIANA ISLANDS.
20	21 31 38*	25.9 S	63.1 W	600	4.1	SALTA PROVINCE, ARGENTINA.
20	21 50 23*	23.0 N	109.4 W	33	4.1	BAJA CALIFORNIA.
20	22 19 40*	0.1 N	123.6 E	33	4.7	NORTHERN CELEBES.
20	22 22 53.7	50.5 N	177.0 E	54	4.7	RAT ISLANDS, ALEUTIAN ISLANDS.
21	00 00 12.0	24.2 N	124.6 E	101	4.9	SOUTHWESTERN RYUKYU ISLANDS.
21	05 58 19.3	20.4 S	174.7 W	33	4.5	TONGA ISLANDS.
21	08 24 13*	20.9 S	174.6 W	33	4.8	TONGA ISLANDS.
21	10 08 28*	51.4 N	177.2 E	33	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
21	10 30 39.5	20.4 S	174.6 W	33	4.6	TONGA ISLANDS.
21	11 57 02.6	19.2 N	108.2 W	33	4.5	REVILLA GIGEDO ISLANDS REGION.
21	14 25 19*	18.8 N	107.8 W	33	3.8	OFF COAST OF JALISCO, MEXICO.
21	15 28 42*	18.8 N	107.9 W	33	3.9	OFF COAST OF JALISCO, MEXICO.
21	15 42 36*	19.0 N	107.9 W	42	4.1	OFF COAST OF JALISCO, MEXICO.
21	15 46 40*	18.9 N	107.9 W	33	4.1	OFF COAST OF JALISCO, MEXICO.
21	20 34 22.8	19.0 N	108.1 W	33	4.9	REVILLA GIGEDO ISLANDS REGION.
21	21 26 11.5	44.6 N	149.2 E	33	4.5	KURILE ISLANDS.
21	21 28 22.6	18.8 N	107.9 W	30	4.3	OFF COAST OF JALISCO, MEXICO.
21	21 37 49.3	52.2 N	172.5 E	35	4.6	NEAR ISLANDS, ALEUTIAN ISLANDS.
21	22 00 00.031					37° 00' 25.8"N. 116° 12' 07.5"W. NEVADA TEST SITE. "GUM DROP." SHOT ELEVATION 1652.9 METERS (AEC).
21	22 52 48.4	38.1 N	141.5 E	74	4.4	NEAR EAST COAST OF HONSHU, JAPAN.
21	23 46 36*	19.1 N	107.8 W	33	4.1	OFF COAST OF JALISCO, MEXICO.
22	01 05 50.2	14.3 S	167.3 E	204	5.3	NEW HEBRIDES ISLANDS. FELT ON VANIKORO.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
22	01 39 55.4	6.7 N	73.3 W	178		NORTHERN COLOMBIA.
22	02 51 49*	10.8 S	162.1 E	33	4.8	SOLOMON ISLANDS.
22	08 10 03.5	51.6 N	161.0 E	33	4.4	OFF EAST COAST OF KAMCHATKA.
22	08 21 12*	19.1 N	108.0 W	46	3.6	REVILLA GIGEDO ISLANDS REGION.
22	13 30 36.4	18.9 N	107.9 W	33	3.9	OFF COAST OF JALISCO, MEXICO.
22	14 52 04.9	14.6 S	167.3 E	167	4.5	NEW HEBRIDES ISLANDS.
22	18 36 01.2	51.8 N	176.1 E	37	5.1	RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 4 1/4-4 3/4 (BRK), 5 1/2-5 3/4 (PAL).
22	19 50 45.8	12.5 N	144.6 E	40	4.4	SOUTH OF MARIANA ISLANDS.
22	22 13 54.7	5.6 S	78.6 W	18	5.1	NORTHERN PERU.
23	01 05 56.1	16.2 N	96.0 W	34	4.0	OAXACA, MEXICO.
23	01 58 08*	52.0 N	172.8 E	40	4.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
23	03 10 35.8	55.3 N	165.5 E	33	4.6	KOMANDORSKY ISLANDS REGION.
23	05 06 02.2	19.2 N	108.2 W	33	4.6	REVILLA GIGEDO ISLANDS REGION.
23	21 44 00.040					37° 01' 02.7" N. 115° 59' 43.1" W. NEVADA TEST SITE. "MUSCOVY." SHOT ELEVATION 1033.9 METERS (AEC).
24	00 04 33*	32.8 S	178.4 W	33	4.7	SOUTH OF KERMADEC ISLANDS. MAG. 5-5 1/2 (BRK).
24	01 01 46.4	19.0 N	107.9 W	33	4.0	OFF COAST OF JALISCO, MEXICO.
24	03 06 00.3	7.3 N	126.6 E	95	5.0	MINDANAO, PHILIPPINE ISLANDS. FELT AT DAVAO, BORONGAN, AND SURIGAO.
24	03 09 45.6	51.8 N	175.9 W	79	4.5	ANDREANOF ISLANDS, ALEUTIAN IS.
24	07 29 43.1	34.8 N	120.3 W	14	4.1	SOUTHERN CALIFORNIA. MAG. 3 1/2 (BRK).
24	07 35 38*	50.8 N	175.9 E	33	4.3	RAT ISLANDS, ALEUTIAN ISLANDS.
24	08 02 26.3	19.2 N	121.2 E	43	5.0	PHILIPPINE ISLANDS REGION.
24	09 29 47.7	18.9 N	107.9 W	33	3.8	OFF COAST OF JALISCO, MEXICO.
24	10 20 50.2	58.6 N	153.2 W	58	4.7	KODIAK ISLAND REGION.
24	13 19 21.8	16.4 N	97.7 W	33	4.1	OAXACA, MEXICO.
24	13 25 41.2	12.7 N	82.0 W	33	4.4	CARIBBEAN SEA.
24	13 43 44.5	20.4 S	173.8 W	33	4.7	TONGA ISLANDS.
24	14 28 02.9	19.4 S	168.7 E	37	4.8	NEW HEBRIDES ISLANDS.
24	18 29 18.3	17.7 S	69.6 W	159	4.4	PERU-BOLIVIA BORDER REGION.
24	20 01 55.5	35.9 N	65.3 E	33	5.0	HINDU KUSH REGION.
24	20 12 42.8	53.0 N	171.0 E	25	5.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
24	21 55 26.5	11.4 N	140.1 E	59	5.7	WEST CAROLINE ISLANDS.
25	00 19 55*	24.6 N	142.5 E	78	4.5	VOLCANO ISLANDS REGION.
25	00 25 14.8	32.5 S	177.9 W	33	4.8	SOUTH OF KERMADEC ISLANDS.
25	01 00 11.6	24.5 N	142.7 E	15	5.6	VOLCANO ISLANDS REGION. MAG. 5 3/4-6 (PAS).
25	01 43 28*	51.5 N	178.8 E	49	5.2	RAT ISLANDS, ALEUTIAN ISLANDS.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
25	02 27 45.5	36.3 N	70.5 E	231	4.7	HINDU KUSH REGION.
25	02 45 39.1	32.6 S	178.0 W	33	4.9	SOUTH OF KERMADEC ISLANDS.
25	02 46 52*	51.9 N	177.1 E	42	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
25	05 38 12.6	6.5 N	94.6 E	85		NICOBAR ISLANDS REGION.
25	06 52 43.1	5.4 S	151.8 E	49	5.4	NEW BRITAIN REGION. FELT AT RABAUL.
25	08 21 29.4	50.8 N	175.7 E	33	4.6	RAT ISLANDS, ALEUTIAN ISLANDS.
25	08 39 31.6	52.0 N	175.9 E	45	5.0	RAT ISLANDS, ALEUTIAN ISLANDS.
25	09 12 38.9	51.3 N	176.5 W	48	4.3	ANDREANOF ISLANDS, ALEUTIAN IS.
25	10 01 09.7	2.2 S	29.1 E	13	6.0	LAKE TANGANYIKA REGION. MINOR DAMAGE AT BUKAVU.
25	12 38 29*	24.5 N	142.6 E	74	4.4	VOLCANO ISLANDS REGION.
25	14 05 55.4	27.3 N	141.5 E	53	5.2	BONIN ISLANDS REGION.
25	14 31 41.2	46.6 N	152.5 E	33	4.8	KURILE ISLANDS.
25	14 49 22.6	18.9 N	107.9 W	33	4.4	OFF COAST OF JALISCO, MEXICO.
25	15 23 40.1	51.4 N	174.5 E	38	5.1	NEAR ISLANDS, ALEUTIAN ISLANDS.
25	15 32 32.6	51.5 N	174.2 E	36	5.0	NEAR ISLANDS, ALEUTIAN ISLANDS.
25	16 39 45.0	30.4 N	50.6 E	34	4.6	IRAN.
25	19 19 42.6	51.2 N	174.3 E	12	4.7	NEAR ISLANDS, ALEUTIAN ISLANDS.
25	21 15 32.3	51.3 N	176.4 W	40	5.0	ANDREANOF ISLANDS, ALEUTIAN IS. MAG. 5 (PAL).
25	21 28 40.5	29.7 N	130.7 E	28	4.9	RYUKYU ISLANDS.
25	21 45 54.1	56.1 S	27.3 W	33		SOUTH SANDWICH ISLANDS REGION.
26	01 57 14.4	58.9 N	142.7 W	33	5.3	GULF OF ALASKA. MAG. 4 3/4-5 (BRK).
26	03 24 34.2	36.3 N	70.2 E	239	4.6	HINDU KUSH REGION.
26	06 31 37*	57.9 N	151.9 W	33	4.0	KODIAK ISLAND REGION.
26	08 39 04*	1.3 S	77.8 W	193	4.8	ECUADOR.
26	08 57 29*	52.3 N	172.6 E	33	4.8	NEAR ISLANDS, ALEUTIAN ISLANDS.
26	09 47 25.1	1.7 S	126.6 E	15	5.7	MOLUCCA SEA. MAG. 5 3/4-6 (PAL).
26	13 27 09.8	11.2 N	94.2 E	33	5.2	ANDAMAN ISLANDS REGION.
26	13 32 54*	19.7 S	174.1 W	33	4.9	TONGA ISLANDS.
26	14 28 55.2	33.9 S	56.1 E	33	5.4	ATLANTIC-INDIAN RISE.
26	15 26 22*	37.3 N	81.6 W	33		WEST VIRGINIA.
26	15 37 59*	18.9 N	108.0 W	33	4.1	REVILLA GIGEDO ISLANDS REGION.
26	17 49 26*	18.8 N	107.9 W	33	4.0	OFF COAST OF JALISCO, MEXICO.
26	19 23 45*	1.5 S	126.6 E	115	5.0	MOLUCCA SEA.
26	20 29 07.4	54.5 N	162.6 W	53	5.9	ALASKA PENINSULA. MAG. 5-5 1/4 (BRK), 5-5 1/4 (PAL).
26	21 06 38*	53.8 N	164.7 W	33	3.7	UNIMAK ISLAND REGION.
26	21 38 00*	45.6 N	151.4 E	33	4.7	KURILE ISLANDS.
26	22 04 38*	27.3 N	52.3 E	33	4.9	SOUTHERN IRAN.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
26	22 15 42.5	21.1 N	120.7 E	33	5.9	TAIWAN REGION. MAG. 5 3/4 (PAS).
26	22 23 10.9	21.5 N	120.9 E	33	5.1	TAIWAN REGION.
26	22 27 11*	30.9 S	177.4 W	33	4.7	KERMADEC ISLANDS REGION.
26	22 58 13.4	51.3 N	179.0 E	48	5.1	RAT ISLANDS, ALEUTIAN ISLANDS.
26	23 35 41*	2.0 S	126.5 E	33	4.7	CERAM SEA.
27	00 30 39.1	51.1 N	179.0 E	44	4.8	RAT ISLANDS, ALEUTIAN ISLANDS.
27	00 53 41*	36.8 N	73.1 E	140		NORTHWESTERN KASHMIR.
27	02 18 23*	38.8 N	142.0 E	33	4.8	NEAR EAST COAST OF HONSHU, JAPAN.
27	02 45 52*	54.5 N	161.6 E	33	4.3	NEAR EAST COAST OF KAMCHATKA.
27	05 19 16*	40.3 N	124.6 W	48	4.0	NEAR COAST OF NORTHERN CALIF. MAG. 3 1/2 (BRK).
27	05 24 50*	13.8 S	76.0 W	93	4.8	NEAR COAST OF PERU.
27	05 46 33*	29.8 N	140.4 E	155	4.2	SOUTH OF HONSHU, JAPAN.
27	07 22 13*	10.1 N	62.1 W	58	4.6	NEAR COAST OF VENEZUELA.
27	08 57 51*	50.4 N	178.2 E	33	3.9	RAT ISLANDS, ALEUTIAN ISLANDS.
27	10 54 28.0	7.0 S	129.5 E	67	5.9	BANDA SEA.
27	11 41 37*	57.9 N	152.2 W	25		KODIAK ISLAND REGION.
27	13 18 51*	51.2 N	175.4 E	33	4.9	RAT ISLANDS, ALEUTIAN ISLANDS.
27	14 09 07.1	35.7 N	23.5 E	50	5.5	CRETE. FELT.
27	14 47 35*	24.1 S	179.5 W	405	4.3	SOUTH OF FIJI ISLANDS.
27	14 50 55*	48.3 N	146.4 E	428	4.4	SEA OF OKHOTSK.
27	15 06 42.6	35.8 S	103.2 W	33	4.7	SOUTHERN PACIFIC OCEAN.
27	18 51 37*	41.3 N	112.8 W	33		UTAH.
27	20 09 18*	1.5 N	85.2 W	33	5.5	OFF COAST OF ECUADOR. MAG. 4 1/2-4 3/4 (BRK), 5 1/2-5 3/4 (PAL).
27	21 04 46*	53.5 N	165.4 W	33	4.5	FOX ISLANDS, ALEUTIAN ISLANDS.
28	01 25 42.3	52.0 N	176.1 W	47	5.0	ANDREANOF ISLANDS, ALEUTIAN IS.
28	02 29 52*	16.9 N	98.9 W	33	4.5	NEAR COAST OF GUERRERO, MEXICO. FELT AT ACAPULCO.
28	03 17 16*	61.1 N	146.7 W	33	3.8	SOUTHERN ALASKA.
28	04 01 07*	7.1 N	82.3 W	68	4.0	SOUTH OF PANAMA.
28	07 39 34.0	7.2 S	155.0 E	143	4.7	SOLOMON ISLANDS.
28	09 40 19*	58.6 N	143.3 W	5	4.9	GULF OF ALASKA.
28	09 42 10.2	14.2 S	76.2 W	73	4.3	NEAR COAST OF PERU.
28	10 26 20*	1.6 N	84.6 W	33	4.0	OFF COAST OF ECUADOR.
28	10 26 44*	27.1 S	176.5 W	33	5.4	KERMADEC ISLANDS.
28	11 14 03.6	17.0 S	174.3 W	280	3.8	TONGA ISLANDS.
28	11 44 41*	51.2 N	175.3 E	33	4.7	RAT ISLANDS, ALEUTIAN ISLANDS.
28	12 07 14.5	24.7 N	127.0 E	33	5.0	RYUKYU ISLANDS REGION.
28	13 38 12*	51.0 N	178.2 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.

DATE 1965	ORIGIN TIME G. C. T.	LAT.	LONG.	FOCAL DEPTH	MAG CGS	REGION AND REMARKS
APR	H M S	DEG	DEG	KM		
28	14 20 06*	31.3 N	114.5 W	33	4.7	GULF OF CALIFORNIA.
28	14 26 50*	7.2 S	128.9 E	157	5.0	BANDA SEA.
28	14 30 12*	25.6 S	69.2 W	47	4.6	NORTHERN CHILE.
28	14 33 05*	31.3 N	114.7 W	33	4.4	GULF OF CALIFORNIA.
28	16 33 07*	40.7 N	140.9 E	79	4.3	HONSHU, JAPAN.
28	16 42 12*	26.4 S	177.3 W	33	4.7	SOUTH OF FIJI ISLANDS.
28	22 53 01.7	3.8 S	136.0 E	33	5.9	WEST NEW GUINEA.
28	22 54 46*	17.1 S	173.6 W	35	4.7	TONGA ISLANDS.
29	04 16 41*	51.8 N	175.2 E	33	4.1	RAT ISLANDS, ALEUTIAN ISLANDS.
29	04 29 16*	44.5 N	127.9 W	33	4.2	OFF COAST OF OREGON.
29	06 09 31.1	52.1 N	152.2 E	451	5.1	NORTHWEST OF KURILE ISLANDS.
29	07 06 35*	40.3 S	73.6 W	33	4.9	NEAR COAST OF CENTRAL CHILE.
29	07 23 28*	43.2 N	142.9 E	101	4.3	HOKKAIDO, JAPAN REGION.
29	07 53 01*	17.3 S	175.1 W	33	4.5	TONGA ISLANDS.
29	08 11 08*	1.6 N	85.2 W	33	4.9	OFF COAST OF ECUADOR.
29	09 44 34.2	22.1 S	179.8 E	540	5.2	SOUTH OF FIJI ISLANDS.
29	09 46 57.7	37.0 N	26.9 E	30	4.9	DODECANESE ISLANDS. FELT AT IZMIR, TURKEY.
29	11 06 01*	17.5 N	106.3 W	33	3.8	OFF COAST OF JALISCO, MEXICO.
29	11 19 25.6	15.3 N	145.6 E	134	5.2	MARIANA ISLANDS.
29	11 28 19.1	32.5 S	179.1 W	64	5.0	SOUTH OF KERMADEC ISLANDS.
29	13 32 18*	57.4 N	151.1 W	33	4.8	KODIAK ISLAND REGION.
29	13 44 40*	20.1 S	177.4 W	530	4.8	FIJI ISLANDS REGION.
29	14 05 06.9	55.1 N	165.8 E	33	4.6	KOMANDORSKY ISLANDS REGION.
29	15 28 43.7	47.4 N	122.3 W	59	6.5	WASHINGTON. MAG. 6.6 (PAS), 6 3/4-7 (BRK), 7 1/4 (PAL). 2 KILLED, 30 INJURED, AND MODERATE PROPERTY DAMAGE IN SEATTLE AREA. FELT IN OREGON, IDAHO, MONTANA, BRITISH COLUMBIA, AND ON VANCOUVER ISLAND.
29	15 48 57.1	5.6 S	110.2 E	504	6.0	JAVA SEA.
29	19 15 58*	10.8 N	125.9 E	33	4.9	LEYTE, PHILIPPINE ISLANDS.
29	22 32 04.9	32.6 S	177.4 W	33	4.7	SOUTH OF KERMADEC ISLANDS.
30	00 54 03*	2.5 N	84.5 W	33	4.4	OFF COAST OF CENTRAL AMERICA.
30	03 14 43.6	43.6 N	127.0 W	33	4.6	OFF COAST OF OREGON.
30	07 13 23.1	28.3 N	96.0 E	33	4.4	INDIA-CHINA BORDER REGION.
30	11 45 27.1	10.9 N	62.4 W	86	5.0	NEAR COAST OF VENEZUELA. FELT ON TRINIDAD.
30	16 00 57.5	51.6 N	175.0 E	33	5.1	RAT ISLANDS, ALEUTIAN ISLANDS.
30	19 30 14.5	30.9 N	142.0 E	38	4.4	SOUTH OF HONSHU, JAPAN.

Date and Station	Phase	(GCT)
		h m s
APR 1		
BOZ	EP	00 01 21.7
APR 1		
H-00 14 05.1		
51.3N 177.3E		
h ABOUT 33KM		
AMC	IP	00 14 26.5
EUR	IP	00 22 35.3
APR 1		
AMC	IP	02 16 10.9
	IS	16 28.9
APR 1		
H-02 36 48.2		
50.6N 177.9E		
h ABOUT 25KM		
AMC	IP	02 37 09.9
	IS	37 27.6
COL	EP	02 41 50.5
BOZ	EP	02 45 09.0
	EPP	45 18.0
EUR	EP	02 45 15.4
	E	45 19.9
APR 1		
H-04 41 50.8		
50.4N 177.6E		
h ABOUT 33KM		
AMC	IP	04 42 15.0
	IS	42 35.8
COL	EP	04 46 55.0
BRW	EP	04 47 04.3
BOZ	EP	04 50 12.0
EUR	EP	04 50 18.4
APR 1		
BOZ	EP	05 48 06.0
	E	48 55.0
APR 1		
BOZ	E(P)	05 51 52.0
APR 1		
BUT	E(P)	06 04 35.0
	E	05 05.0
APR 1		
BOZ	E(P)	06 15 44.0
APR 1		
BOZ	EP	06 17 15.0
APR 1		
BRW	EP	06 20 42.9
COL	EP	06 20 50.1
APR 1		
COL	EP	06 26 33.6
APR 1		
BUT	E(P)	06 28 46.0
	E	30 11.7
BOZ	IP	06 29 21.0
	IL	29 54.0
SLC	EP	06 29 21.6
RCD	E(P)	06 31 29.0
APR 1		
EUR	EP	07 02 00.2
APR 1		
H-07 08 38.3		
09.9N 125.8E		
h ABOUT 91KM		
BRW	IP	07 20 22.4
	IPP	20 44.6
COL	IP	07 20 37.0
	EPP	20 59.6
BOZ	EP	07 22 37.0
ALQ	EP'	07 27 09.0
SJG	EP'	07 28 15.5
	IP'	28 21.5
APR 1		
H-08 00 21.9		
31.4N 142.0E		
h ABOUT 33KM		
COL	EP	08 09 42.0
BOZ	EP	08 12 21.0
APR 1		
BOZ	EP	08 05 32.0
APR 1		
BOZ	EP	08 16 36.0
APR 1		
H-08 34 52.6		
20.2S 173.4W		
h ABOUT 33KM		
EUR	EP	08 47 02.5
ALQ	I(P)	08 47 22.5
BOZ	EP	08 47 33.0
COL	EP	08 47 36.0
APR 1		
H-08 35 23.7		
50.4N 179.5E		
h ABOUT 12KM		
AMC	IP	08 35 43.2
SHY	I(P)	08 36 32.4
	E	36 48.0
COL	E(P)	08 40 22.7
BOZ	EP	08 43 38.0
EUR	E(P)	08 43 42.5
APR 1		
H-08 36 03.0		
52.5N 170.6E		
h ABOUT 25KM		
AMC	EP	08 37 25.2
BRW	IP	08 41 14.6
	EPP	41 32.0
COL	IP	08 41 19.6
BOZ	EP	08 44 49.2
EUR	IP	08 45 01.3
RCD	EP	08 45 32.0
APR 1		
COL	EP	08 53 20.0
APR 1		
COL	EP	09 00 79.3
APR 1		
H-09 13 31.0		
50.5N 177.2E		
h ABOUT 15KM		
AMC	EP	09 13 59.2
BRW	EP	09 18 46.0
BOZ	E(P)	09 21 55.0
APR 1		
AMC	IP	09 45 41.9
	IS	49 12.0
APR 1		
AMC	EP	10 11 40.1
APR 1		
H-10 12 43.4		
51.1N 176.7E		
h ABOUT 038KM		
AMC	IP	10 13 10.4
	IS	13 31.2
COL	E(P)	10 17 50.4
EUR	EP	10 21 14.5
APR 1		
H-10 53 20.9		
07.0S 127.0E		
h ABOUT 290KM		
BRW	E(P)	11 05 58.9
COL	E(P)	11 06 07.5
ALQ	EP'	11 11 47.5
APR 1		
TUC	EP	11 29 48.5
	E	29 54.0
APR 1		
AMC	EP	12 11 51.1
	IS	12 09.6
APR 1		
H-12 24 50.8		
22.2N 146.7E		
h ABOUT 94KM		
BRW	EP	12 34 40.4
COL	EP	12 34 48.0
EUR	EP	12 36 59.6
ALQ	EP	12 37 44.0
APR 1		
GUA	EP	12 43 02.3
	E(S)	43 16.4
APR 1		
AMC	IP	13 14 55.8
	IS	15 02.8
SHY	EP	13 15 33.6
	E(S)	16 06.8
APR 1		
AMC	IP	13 17 19.7
	IS	17 34.9
APR 1		
AMC	I(P)	13 20 06.9
	IS	20 24.4
APR 1		
BRW	EP	13 22 10.3
APR 1		
COL	E(P)	13 24 47.0
BRW	EP	13 24 54.3
APR 1		
BOZ	EP	13 25 14.5
	E	28 04.5
APR 1		
COL	EP	13 26 45.8
APR 1		
H-13 27 30.8		
31.2N 142.0E		
h ABOUT 9KM		
GUA	E(P)	13 31 40.6
	ES	35 06.0
BRW	IP	13 36 38.6
	E	36 54.4
COL	EP	13 36 55.5
BOZ	EP	13 39 33.9
EUR	IP	13 39 38.1
BCN	EP	13 39 51.7
TUC	EP	13 40 16.1
ALQ	I(P)	13 40 23.1

Date and Station	Phase (GCT)
	h m s
APR 1	
AMC IP	13 32 03.2
IS	32 21.2
APR 1	
H-13 43 32.6	
20.6S 173.6W	
h ABOUT 46KM	
BCN EP	13 55 34.3
TUC E(P)	13 55 39.1
EUR IP	13 55 41.7
ALQ IP	13 56 02.0
BOZ EP	13 56 12.6
E(pP)	56 24.9
COL IP	13 56 15.9
APR 1	
GUA IP	14 07 04.0
APR 1	
SHY I(P)	14 41 28.1
E(S)	41 43.7
APR 1	
BOZ E(P)	15 18 48.0
APR 1	
SHY I(P)	15 19 25.9
E(S)	19 43.0
APR 1	
BRW EP	16 01 12.8
APR 1	
BOZ EP	16 04 20.0
APR 1	
AMC IP	16 30 49.2
IS	31 18.0
APR 1	
BRW EP	16 46 44.0
COL EP	16 47 00.0
APR 1	
H-16 59 07.0	
17.8S 178.6W	
h ABOUT 554KM	
EUR EP	17 10 28.7
COL E(P)	17 10 46.0
APR 1	
H-17 52 40.6	
54.8N 161.8E	
h ABOUT 25KM	
BRW IP	17 57 57.1
COL IP	17 58 17.5
BOZ EP	18 01 54.3
E	02 06.0
EUR IP	18 02 10.7
TUC EP	18 03 06.2
APR 1	
SJG IP D	18 03 50.8
IS	04 10.2
APR 1	
COL EP	18 16 13.3
APR 1	
TUC EP	18 20 54.4
APR 1	
EUR IP	18 28 56.3
APR 1	
AMC IP	18 29 30.4
APR 1	
AMC IP	18 39 45.3
IS	39 56.7
APR 1	
COL EP	18 44 26.0
BRW EP	18 44 35.5
BOZ EP	18 47 45.1
EUR IP	18 47 55.8
APR 1	
BOZ EP	19 18 16.9
APR 1	
SHY I(P)	19 37 09.3
E(S)	37 18.2
APR 1	
AMC IP	19 41 21.7
APR 1	
BOZ EP	19 45 27.0
APR 1	
GCA E(P)	20 23 14.8
EUR EP	20 23 44.8
APR 1	
SHY E(P)	20 25 08.8
E(S)	25 25.6
APR 1	
RCD IP	21 04 19.0
ES	04 22.0
APR 1	
BOZ E(P)	21 14 32.0
APR 1	
H-21 20 43.8	
50.0S 114.1W	
h ABOUT 33KM	
HON EL	21 57 24.0
KIP EL	21 57 36.0
TUC IP	21 33 07.2
BCN EP	21 33 19.5
E	33 26.3
EUR IP	21 33 36.3
I	33 43.3
BOZ E(P)	21 34 10.0
APR 1	
SHY EP	21 20 56.5
ES	21 19.2
APR 1	
KIP EP	21 25 21.0
APR 1	
EUR EP	21 30 13.5
APR 1	
AMC IP	21 36 46.5
IS	37 05.2
APR 1	
AMC IP	21 38 06.9
IS	38 26.2
APR 1	
H-22 19 33.3	
31.2N 141.9E	
h ABOUT 33KM	
BRW EP	22 28 38.4
COL EP	22 28 55.0
BOZ EP	22 31 33.0
EUR EP	22 31 37.4
TUC EP	22 32 15.5
E	32 34.5
APR 1	
H-22 24 48.4	
31.5N 141.9E	
h ABOUT 59KM	
COL EP	22 34 06.0
BOZ EP	22 36 44.0
EUR EP	22 36 45.9
APR 1	
AMC IP	22 50 11.0
APR 1	
SLC EP	23 07 36.1
APR 1	
TUC EP	23 20 56.7
APR 1	
BOZ EP	23 44 54.0
APR 2	
KIP IP	00 02 43.0
APR 2	
ALQ EP	00 33 23.8
APR 2	
SHY I(P)	00 53 16.3
APR 2	
GUA EP	01 30 52.7
APR 2	
KIP EP	01 39 27.5
APR 2	
BRW EP	01 53 02.8
COL EP	01 53 56.0
APR 2	
BOZ EP	02 10 46.0
APR 2	
BRW EP	02 27 32.0
COL E(P)	02 27 36.4
APR 2	
H-03 06 51.1	
42.6N 111.5W	
h ABOUT 033KM	
SLC EP	03 07 20.6
GCA IP	03 07 27.7
ES	07 58.3
BOZ EP	03 07 37.0
IL	08 18.0
BUT EP	03 07 46.2
EUR IP	03 08 00.4
APR 2	
KIP IP	03 23 29.8
APR 2	
COL EP	03 40 53.0
APR 2	
AMC IP	03 56 10.2
IS	56 30.4
APR 2	
KIP EP	04 26 00.5
ES	26 52.2
HON IP	04 26 00.7
ES	26 51.5
APR 2	
SHY E(P)	04 45 54.2
E(S)	46 20.0
APR 2	
BRW E(P)	04 50 30.0
COL EP	04 50 36.0
APR 2	
H-05 19 25.5	
42.5N 111.5W	
h ABOUT 033KM	
SLC IP	05 19 54.3
FGU IP	05 20 02.1
BOZ IP	05 20 11.6
IL	20 51.0
BZM IP	05 20 14.0

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BUT	E(P)	05 20 22.0
	E(S)	21 02.0
EUR	EP	05 20 33.9
APR 2		
COL	EP	05 26 50.0
APR 2		
H-05 25 20.0		
42.5N 111.5W		
h ABOUT 033KM		
SLC	IP	05 25 49.7
FGU	IP	05 25 56.5
	ES	26 27.0
BOZ	EP	05 26 06.0
	IL	26 45.0
BUT	IP	05 26 15.7
EUR	EP	05 26 27.5
RCD	E(P)	05 27 21.5
APR 2		
FGU	E(P)	05 29 16.8
	ES	29 46.0
BOZ	EP	05 29 24.9
EUR	E(P)	05 29 47.5
APR 2		
EUR	EP	05 40 55.3
APR 2		
ALQ	EP	06 12 23.0
APR 2		
GUA	IP	06 18 21.4
APR 2		
COL	EP	06 24 03.0
APR 2		
SHY	E(P)	06 34 35.8
APR 2		
COL	EP	06 39 32.5
APR 2		
AMC	E(P)	06 42 42.9
APR 2		
SHY	E(P)	06 56 55.8
	E(S)	57 11.4
APR 2		
BRW	EP	07 01 38.0
COL	EP	07 01 44.0
APR 2		
BRW	EP	07 06 27.0
APR 2		
EUR	EP	08 20 45.0
APR 2		
H-08 42 48.1		
51.6N 176.0E		
h ABOUT 49KM		
SHY	IP	08 43 15.2
	ES	43 40.1
AMC	EP	08 43 22.7
	E(S)	43 50.3
COL	EP	08 47 48.0
BRW	EP	08 47 52.1
EUR	IP	08 51 22.6
APR 2		
SHY	I(P)	09 51 54.0
	E(S)	52 10.2
APR 2		
AMC	EP	10 14 46.1
SHY	E(P)	10 14 54.7
	E(S)	15 10.2
APR 2		
COL	EP	10 17 49.0
APR 2		
BRW	EP	10 19 22.5
COL	EP	10 19 20.0
APR 2		
H-12 12 31.4		
54.0N 165.0W		
h ABOUT 33KM		
AMC	E(P)	12 14 52.2
COL	EP	12 15 53.6
BRW	EP	12 16 39.0
APR 2		
EUR	EP	12 19 13.5
APR 2		
H-13 04 01.8		
12.5N 123.5E		
h ABOUT 33KM		
GUA	IP	13 08 43.0
	E(S)	12 18.0
BRW	EP	13 15 41.3
COL	EP	13 15 59.0
EUR	EP	13 18 08.7
APR 2		
GUA	IP	13 21 14.0
	IS	21 55.0
APR 2		
AMC	EP	13 23 13.9
	IS	23 32.9
APR 2		
AMC	IP	13 24 09.2
	IS	24 28.8
COL	EP	13 28 48.0
BRW	EP	13 28 57.1
EUR	IP	13 31 22.2
APR 2		
H-13 27 42.1		
51.7N 179.6E		
h ABOUT 33KM		
AMC	EP	13 27 51.9
	IL	28 10.4
COL	EP	13 32 30.6
BRW	EP	13 32 38.5
BOZ	EP	13 35 50.0
EUR	IP	13 36 00.3
APR 2		
H-13 47 31.4		
53.0N 172.7E		
h ABOUT 20KM		
SHY	E(P)	13 47 48.5
BRW	EP	13 52 34.0
COL	EP	13 52 38.0
APR 2		
COL	EP	14 19 58.0
APR 2		
AMC	IP	14 46 10.5
	IS	46 28.0
APR 2		
COL	EP	15 03 15.0
APR 2		
RCD	EP	15 09 15.0
APR 2		
AMC	IP	15 31 58.2
	IS	32 16.7
APR 2		
AMC	EP	15 32 45.3
	IS	33 03.8
APR 2		
COL	EP	15 37 16.2
BRW	EP	15 37 34.2
APR 2		
H-15 44 01.0		
27.1S 179.2W		
h ABOUT 382KM		
GUA	EP	15 52 44.2
TUC	EP	15 56 11.3
EUR	IP	15 56 13.4
	E(pP)	57 47.4
COL	EP	15 56 40.0
BOZ	EP	15 56 40.0
APR 2		
H-15 52 48.1		
65.7N 000.2E		
h ABOUT 33KM		
COL	EP	16 01 24.0
APR 2		
H-16 09 28.4		
50.5N 177.4E		
h ABOUT 31KM		
AMC	IP	16 09 53.5
	IS	10 13.9
COL	EP	16 14 32.0
BRW	EP	16 14 41.8
EUR	EP	16 17 58.4
APR 2		
H-16 28 21.7		
50.4N 177.4E		
h ABOUT 35KM		
AMC	IP	16 28 47.1
	IS	29 04.8
SHY	EP	16 29 10.6
	ES	29 44.7
COL	EP	16 33 25.0
BRW	IP	16 33 35.3
EUR	IP	16 36 51.5
BCN	EP	16 37 13.0
ALQ	I(P)	16 37 46.2
TUC	EP	16 37 49.1
	E	38 26.9
APR 2		
H-16 43 05.8		
14.8S 167.3E		
h ABOUT 123KM		
COL	EP	16 55 33.0
	EpP	56 05.0
APR 2		
BOZ	EP	16 51 43.0
APR 2		
AMC	IP	16 55 24.6
	IS	55 44.6
APR 2		
H-16 59 15.5		
50.2N 177.4E		
h ABOUT 13KM		
AMC	IP	16 59 44.7
	ES	17 00 05.0
COL	EP	17 04 23.0
BRW	EP	17 04 33.2
BOZ	EP	17 07 40.5

Date and Station	Phase (GCT)
	h m s
EUR EP	17 07 48.8
TUC EP	17 08 47.2
APR 2	
H-17 01 01.6	
50.4N 177.8E	
h ABOUT 48KM	
COL EP	17 06 03.0
BRW EP	17 06 12.5
BOZ EP	17 09 20.5
EUR EP	17 09 28.5
APR 2	
H-17 08 18.4	
50.3N 177.5E	
h ABOUT 31KM	
AMC IP	17 08 44.6
IS	09 04.3
COL EP	17 13 23.4
BRW EP	17 13 32.4
APR 2	
H-17 19 15.4	
50.4N 177.6E	
h ABOUT 034KM	
COL EP	17 24 18.0
BRW IP	17 24 38.8
E(pP)	24 46.9
BOZ EP	17 27 36.0
EUR EP	17 27 44.4
APR 2	
BUT E(P)	17 37 55.0
I	37 59.1
BOZ EP	17 38 08.5
APR 2	
H-18 43 50.1	
18.3S 176.8W	
h ABOUT 33KM	
BOZ E(P)	18 56 21.0
E	56 52.0
COL EP	18 56 30.0
APR 2	
H-18 56 42.0	
44.3N 147.8E	
h ABOUT 33KM	
BRW E(P)	19 03 54.7
COL EP	19 04 18.0
BOZ EP	19 07 28.0
E	07 49.9
EUR IP	19 07 38.7
E	08 00.3

Date and Station	Phase (GCT)
	h m s
TUC EP	19 08 25.5
E	08 48.3
APR 2	
COL EP	18 59 44.0
BRW E(P)	18 59 50.0
APR 2	
EUR EP	19 34 53.6
APR 2	
TUC E(P)	19 46 47.0
APR 2	
H-19 54 32.6	
53.8N 159.1E	
h ABOUT 33KM	
EUR IP	20 04 14.5
APR 2	
H-20 25 29.4	
50.3N 177.7E	
h ABOUT 33KM	
AMC IP	20 25 53.9
IS	26 13.4
COL E(P)	20 30 32.0
BRW EP	20 30 42.1
BOZ EP	20 33 50.0
EUR EP	20 33 56.8
APR 2	
COL EP	21 07 17.0
APR 2	
BOZ EP	21 10 51.0
APR 2	
KIP IP	21 26 02.5
APR 2	
TUC EP	22 09 31.0
APR 2	
H-22 22 11.4	
30.0N 138.1E	
h ABOUT 450KM	
BRW IP	22 30 52.8
COL EP	22 31 10.0
BOZ EP	22 33 43.0
EUR IP	22 33 47.4
APR 2	
H-22 26 47.3	
36.8N 066.6E	
h ABOUT 38KM	
BRW EP	22 37 42.2
COL IP	22 38 26.4
BOZ E(P)	22 40 08.0

Date and Station	Phase (GCT)
	h m s
APR 2	
BOZ EP	23 04 19.3
APR 2	
H-23 04 44.0	
51.3N 177.7E	
h ABOUT 46KM	
AMC IP	23 05 00.7
SHY EP	23 05 24.8
IS	05 57.3
COL EP	23 09 39.0
BRW E(P)	23 09 47.0
BOZ EP	23 12 58.5
EUR IP	23 13 09.2
APR 2	
H-23 22 47.5	
50.3N 177.6E	
h ABOUT 33KM	
BOZ EP	23 31 08.5
EUR EP	23 31 20.5
APR 3	
TUC E(P)	00 40 23.2
APR 3	
BOZ E(P)	00 52 32.0
APR 3	
KIP E(P)	01 39 27.6
APR 3	
H-02 37 56.1	
51.6N 175.8E	
h ABOUT 38KM	
SHY IP	02 38 20.3
E(S)	38 44.0
AMC E(P)	02 38 33.2
COL E(P)	02 42 56.6
BRW EP	02 43 01.8
HHM E(P)	02 45 57.1
EPCP	47 45.1
BOZ EP	02 46 19.5
EUR IP	02 46 29.5
E(pP)	46 41.5
BCN EP	02 46 53.0
TUC E(P)	02 47 26.3
ALQ IP	02 47 35.0
APR 3	
H-03 01 56.9	
44.0N 082.9E	
h ABOUT 10KM	
BRW IP	03 11 48.3
E	11 58.3

Date and Station	Phase (GCT)
	h m s
COL IP D	03 12 35.5
E	12 41.5
BOZ EP	03 14 57.2
EUR EP	03 15 23.3
APR 3	
KIP E(P)	03 23 29.6
APR 3	
H-03 29 10.5	
51.4N 172.0E	
h ABOUT 25KM	
SHY IP	03 29 42.1
ES	30 07.6
AMC EP	03 30 20.6
COL EP	03 34 30.0
BOZ EP	03 37 54.5
EUR EP	03 38 03.0
TUC EP	03 39 03.5
APR 3	
H-03 29 28.6	
26.4S 176.4W	
h ABOUT 33KM	
TUC EP	03 42 05.0
E	42 21.0
EUR EP	03 42 09.5
BOZ EP	03 42 38.0
COL EP	03 42 43.0
APR 3	
H-03 30 33.8	
51.6N 174.2E	
h ABOUT 33KM	
COL EP	03 35 42.0
BOZ EP	03 39 06.8
EUR EP	03 39 16.5
TUC E(P)	03 40 14.5
APR 3	
TUC E(P)	03 52 39.7
APR 3	
H-03 54 52.3	
37.7N 073.1E	
h ABOUT 33KM	
BRW EP	04 05 35.5
COL IP	04 06 19.2
APR 3	
ALQ I(P)	05 42 26.2
APR 3	
H-05 53 06.5	
03.9S 102.3E	
h ABOUT 51KM	

Date and Station	Phase (GCT)
	h m s
BOZ EP*	06 12 11.0
EUR EP*	06 12 15.3
APR 3	
EUR EP	06 35 05.1
APR 3	
H-06 44 01.1	
10.7S 166.0E	
h ABOUT 194KM	
FUR EP	06 55 29.6
COL EP	06 56 04.0
BRW E(P)	06 56 18.6
TUC EP	06 56 40.5
APR 3	
H-07 01 35.2	
50.4N 177.7E	
h ABOUT 33KM	
COL EP	07 06 37.0
BRW E(P)	07 06 47.2
EUR EP	07 10 03.0
APR 3	
AMC IP	07 11 59.5
E(S)	12 18.3
APR 3	
H-07 51 45.6	
57.3N 152.4W	
h ABOUT 33KM	
COL EP	07 53 41.0
BRW E(P)	07 55 05.3
FUR EP	07 57 48.8
APR 3	
BOZ EP	08 07 59.9
APR 3	
H-08 39 40.8	
26.8S 176.4W	
h ABOUT 109KM	
BCN EP	08 52 07.3
TUC EP	08 52 08.9
EUR IP	08 52 14.7
ALQ I(P)	08 52 31.0
BOZ EP	08 52 41.0
F	52 43.0
COL EP	08 52 48.0
EPP	53 16.7
APR 3	
BOZ IP	09 20 31.3
IL	20 35.0
HHM E(P)	09 21 13.2
EL	21 57.7

Date and Station	Phase (GCT)
	h m s
APR 3	
H-09 33 50.3	
17.1S 174.3W	
h ABOUT 33KM	
TUC E(P)	09 45 42.2
BOZ EP	09 46 16.0
COL EP	09 46 20.3
APR 3	
HON E(P)	09 39 05.0
APR 3	
COL EP	10 31 24.5
APR 3	
H-11 20 43.5	
16.0N 097.9W	
h ABOUT 16KM	
BHP IP	11 25 10.0
IL	29 00.0
TUC EP	11 25 18.5
EL	29 05.0
ALQ IP	11 25 22.4
I	25 29.2
CSC EP	11 25 55.0
E	25 59.0
EL	30 16.0
GCA EP	11 26 03.6
BCN EP D	11 26 09.0
FL	34 31.2
EL	36 46.0
FGU EP	11 26 26.0
SLC IP	11 26 32.2
EUR IP	11 26 39.5
RCD EP	11 26 40.0
ES	31 30.0
WAS IP	11 26 44.0
E(S)	31 36.0
WSC EP	11 26 48.4
SJG EP	11 26 57.2
ES	32 05.0
PHI EP	11 27 07.0
IS	32 19.0
BOZ EP C	11 27 09.0
FSCP	33 24.0
BUT EP C	11 27 15.0
ES	32 33.0
FL	38 23.0
HHM IP C	11 27 36.1
ES	33 10.2
EL	39 28.2
COL EP	11 30 44.0

Date and Station	Phase (GCT)
	h m s
BRW IP	11 31 24.8
APR 3	
H-11 29 13.0	
16.1N 097.8W	
h ABOUT 45KM	
BHP IP	11 33 37.0
TUC E(P)	11 33 45.0
ALQ E(P)	11 33 47.2
CSC EP	11 34 19.0
E	34 27.0
ES	38 49.0
BCN E(P)	11 34 35.2
EL	42 39.5
EL	45 08.0
SLC EP	11 34 57.9
EUR IP	11 35 04.2
RCD EP	11 35 04.5
E(S)	39 32.0
WSC EP	11 35 15.5
SJG EP	11 35 23.7
BUT I(P)	11 35 29.9
BOZ EP	11 35 33.9
HHM IP	11 36 01.2
HON E(P)	11 39 05.3
ES	46 24.0
KIP E(P)	11 39 05.4
COL EP	11 39 10.0
BRW IP	11 39 48.5
APR 3	
COL EP	11 48 10.0
APR 3	
H-12 32 05.2	
16.3N 097.9W	
h ABOUT 33KM	
ALQ I(P)	12 36 38.8
APR 3	
H-12 33 46.0	
50.3N 178.4E	
h ABOUT 33KM	
COL EP	12 38 46.5
BOZ EP	12 42 02.9
APR 3	
TUC E(P)	12 36 09.7
APR 3	
GUA EP	13 21 14.2
E(S)	21 55.4

Date and Station	Phase (GCT)
	h m s
APR 3	
H-13 44 54.5	
14.8N 097.6W	
h ABOUT 33KM	
TUC E(P)	13 49 36.4
ALQ IP	13 49 41.0
FUR EP	13 50 57.9
BOZ EP	13 51 28.0
HHM F(P)	13 51 53.2
COL EP	13 55 04.0
APR 3	
TUC E(P)	13 55 40.0
APR 3	
TUC EP	14 11 13.0
APR 3	
H-14 12 55.8	
50.3N 178.5E	
h ABOUT 43KM	
COL EP	14 17 55.6
BRW IP	14 18 06.4
HHM E(P)	14 20 50.2
BOZ EP	14 21 12.0
EUR FP	14 21 19.8
APR 3	
H-14 30 47.7	
38.3N 020.4E	
h ABOUT 22KM	
BRW EP	14 42 04.0
COL EP	14 42 39.0
HHM IP	14 43 22.1
BOZ EP	14 43 28.0
APR 3	
COL EP	14 46 11.7
APR 3	
H-16 07 02.5	
42.4N 032.8E	
h ABOUT 33KM	
BRW IP	16 17 51.2
COL EP	16 18 31.0
HHM EP	16 19 36.7
APR 3	
BOZ E(P)	16 18 13.5
APR 3	
SHY EP	17 09 45.8
ES	10 12.2
AMC E(P)	17 09 46.7

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Date and Station	Phase	Phase (GCT) h m s
KIP	E(P)	13 37 45.3
	I(pP)	37 56.3
	ET	14 16 07.8
HON	IP	13 37 46.0
HHM	EP	13 38 40.5
	IPCP	40 28.5
	IpPCP	40 36.5
UKI	E(P)	13 38 41.5
BOZ	EP C	13 39 03.2
	IPCP	40 38.0
	IpPCP	40 47.5
	ES	46 16.0
	EL	49 08.0
	EL	53 00.0
GUA	E(P)	13 39 08.0
	ES	45 30.0
EUR	IP	13 39 13.4
	EPCP	40 41.7
	EpPCP	40 51.5
	ESCP	44 36.2
BCN	EP	13 39 35.6
	IpP	39 47.5
RCD	EP D	13 39 47.5
	EpP	39 58.5
	E	41 00.0
TUC	EP	13 40 11.9
	E	40 24.0
ALQ	IP	13 40 18.3
WAS	EP	13 41 44.0
WSC	EP	13 41 44.5
	EpP	41 55.4
CSC	EP	13 41 55.0
	ES	50 48.0
SJG	IP	13 43 45.3
	EPP	47 26.0
APR 4		
BOZ	EP	13 49 40.0
APR 4		
BCN	EP	13 50 28.0
APR 4		
BHP	IP D	13 49 41.0
	IS	50 27.0
SJG	E(P)	13 51 19.0
	EL	53 16.5
APR 4		
BUT	IP	13 55 35.0
APR 4		
BRW	IP	13 59 12.6
	I	59 32.7
APR 4		
H-13 50 59.2		
46.6N 152.7E		
h ABOUT 59KM		
BRW	EP	13 57 40.6
COL	IP	13 58 00.2
BOZ	EP	14 01 16.0
	EpP	01 29.5
EUR	EP	14 01 25.8
	EpP	01 40.4
APR 4		
SHY	E(P)	14 08 48.8
	I	09 00.4
	E(S)	09 05.2
APR 4		
BRW	EP	14 09 10.3
COL	EP	14 09 21.5
APR 4		
COL	EP	14 13 32.0
BRW	EP	14 13 34.4
APR 4		
H-14 19 05.2		
50.7N 178.1E		
h ABOUT 33KM		
BRW	FP	14 24 14.0
BOZ	EP	14 27 23.0
APR 4		
SHY	I(P)	14 26 18.5
	E(S)	26 36.2
APR 4		
BRW	E(P)	14 31 03.5
APR 4		
COL	EP	14 40 34.0
APR 4		
COL	EP	15 03 11.1
APR 4		
H-15 36 11.9		
26.9S 176.1W		
h ABOUT 33KM		
GUA	ES	15 53 38.0
BCN	EP	15 48 46.5
TUC	EP C	15 48 49.5
EUR	IP	15 48 54.2
ALQ	IP	15 49 10.8
BUT	EP	15 49 21.1
BOZ	EP	15 49 23.0
	E(pP)	49 33.6
COL	IP	15 49 27.9
RCD	EP	15 49 42.0
APR 4		
BRW	EP	15 38 04.0
APR 4		
H-15 52 47.7		
26.9S 176.1W		
h ABOUT 29KM		
BCN	EP	16 05 25.2
TUC	EP	16 05 25.5
EUR	EP	16 05 30.1
BOZ	EP	16 05 58.9
	E(pP)	06 09.2
COL	EP	16 06 03.0
APR 4		
TUC	EP C	15 54 23.8
EUR	EP	15 54 28.2
COL	EP	15 55 02.0
APR 4		
COL	IP	15 57 19.4
BRW	E(P)	15 57 23.0
APR 4		
TUC	EP	16 02 16.3
EUR	EP	16 02 23.2
BOZ	EP	16 02 52.0
APR 4		
H-16 10 08.3		
27.1S 176.0W		
h ABOUT 28KM		
TUC	EP C	16 22 45.6
BCN	EP	16 22 46.3
EUR	IP	16 22 50.8
BOZ	EP	16 23 20.5
COL	EP	16 23 25.0
APR 4		
H-16 32 41.9		
26.9S 176.0W		
h ABOUT 12KM		
BCN	EP	16 45 20.0
TUC	EP	16 45 22.3
	E	45 34.2
EUR	IP	16 45 26.3
BUT	E(P)	16 45 53.0
BOZ	EP	16 45 55.0
	E	46 08.0
COL	EP	16 46 01.0
APR 4		
BOZ	EP	16 54 57.0
	E	55 07.0
APR 4		
BRW	IP	17 00 55.9
	E	01 07.6
APR 4		
TUC	E(P)	17 19 01.2
EUR	EP	17 19 16.6
BOZ	E(P)	17 19 32.0
APR 4		
COL	EP	17 41 33.0
APR 4		
BRW	FP	17 51 29.6
APR 4		
BRW	EP	18 10 57.1
APR 4		
TUC	EP	18 13 27.0
EUR	EP	18 13 31.8
BOZ	EP	18 14 01.5
COL	EP	18 14 05.7
APR 4		
H-18 21 16.6		
51.5N 174.6E		
h ABOUT 40KM		
SHY	IP	18 21 38.8
	I	21 41.0
	ES	21 57.0
AMC	IP	18 22 02.8
COL	EP	18 26 24.0
BRW	IP	18 26 25.0
	E	26 34.6
BOZ	E(P)	18 29 45.0
EUR	IP	18 29 56.2
	FPCP	30 25.1
APR 4		
HHM	EP	18 31 10.6
APR 4		
H-19 08 15.7		
51.9N 175.3E		
h ABOUT 33KM		
COL	E(P)	19 13 18.0
BRW	IP	19 13 20.0
BOZ	EP	19 16 39.0
EUR	IP	19 16 51.5
APR 4		
HHM	EP	19 18 06.6
APR 4		
SHY	I(P)	19 21 07.3
	I(S)	21 20.4

Date and Station	Phase (GCT)
	h m s
APR 4	
BRW EP	19 38 07.9
APR 4	
BRW EP	20 09 21.7
APR 4	
H-20 09 41.1	
8.8S 074.5W	
h ABOUT 143KM	
BHP IP	20 13 51.0
SJG IP	20 15 19.6
IS	19 50.5
E	20 31.0
CSC EP	20 17 27.0
ES	23 40.0
ESCS	27 08.0
WSC EP	20 18 04.9
E▸P	18 37.3
ALQ IP	20 18 45.2
E	19 31.0
E(sP)	19 39.0
TUC IP D	20 18 49.8
I▸P	19 24.5
BCN EP	20 19 25.0
E▸P	20 00.0
RCD EP	20 19 26.0
E▸P	20 01.0
ES	27 18.0
SLC EP	20 19 31.6
EUR IP	20 19 45.7
I▸P	20 21.6
I(sP)	20 36.8
EPP	22 01.9
BOZ IP D	20 19 57.8
I▸P	20 32.0
BUT I(P)	20 20 03.3
E▸P	20 36.6
HHM IP	20 20 18.7
I▸P	20 55.6
COL IP C	20 22 30.0
I▸P	23 08.1
E(PP)	26 08.7
E▸PP	26 37.2
BRW EP	20 22 52.2
APR 4	
H-20 31 35.0	
4.9N 076.1W	
h ABOUT 102KM	
BHP IP	20 32 53.0
I	33 21.0
SJG EP	20 35 17.2
ES	38 13.2
ALQ IP	20 39 11.0

Date and Station	Phase (GCT)
	h m s
TUC EP	20 39 21.0
RCD IP	20 39 47.0
BCN EP	20 40 00.0
SLC EP	20 40 06.5
EUR IP	20 40 19.9
E(sP)	40 52.1
ESCP	45 25.6
BOZ IP D	20 40 28.0
E▸P	41 03.0
BUT E(P)	20 40 33.0
COL EP	20 43 21.0
BRW IP	20 43 46.3
E▸P	44 13.3
APR 4	
H-20 45 48.7	
51.9N 175.4E	
h ABOUT 33KM	
SHY I(P)	20 46 08.6
COL EP	20 50 51.0
BRW IP	20 50 52.8
EUR IP	20 54 24.3
EPCP	55 53.3
APR 4	
HHM EP	20 55 38.7
APR 4	
AMC EP	21 00 20.2
APR 4	
H-21 05 03.6	
51.4N 174.4E	
h ABOUT 32KM	
SHY E(P)	21 05 26.2
COL IP	21 10 12.5
I	10 24.0
BRW EP	21 10 14.5
E	10 26.0
E(PCP)	13 51.1
BOZ EP	21 13 35.0
EUR IP	21 13 45.3
APR 4	
BRW EP	21 21 16.6
APR 4	
TUC E(P)	21 35 02.0
APR 4	
COL IP	22 11 43.5
E	12 34.8
APR 4	
EUR IP	22 20 02.5

Date and Station	Phase (GCT)
	h m s
APR 4	
TUC EP	22 32 27.1
ES	32 47.0
APR 4	
H-22 48 24.2	
50.2N 178.6E	
h ABOUT 20KM	
AMC EP	22 48 48.0
IS	49 03.6
COL EP	22 53 26.0
BRW EP	22 53 39.0
BOZ EP	22 56 42.5
I	56 45.2
EUR IP	22 56 50.4
TUC E(P)	22 57 48.3
APR 4	
H-23 39 38.3	
16.6S 178.6W	
h ABOUT 540KM	
EUR EP	23 50 56.7
COL EP	23 51 15.0
APR 5	
SHY E(P)	00 16 18.0
E(S)	16 31.8
APR 5	
COL EP	01 08 06.0
APR 5	
H-01 56 44.1	
25.8S 176.3W	
h ABOUT 33KM	
EUR EP	02 09 22.4
ALQ E(P)	02 09 39.0
BOZ EP	02 09 52.0
COL EP	02 09 56.0
APR 5	
GUA IP	02 04 19.5
E(S)	04 43.2
APR 5	
H-02 13 13.8	
40.2N 140.7E	
h ABOUT 48KM	
COL E(P)	02 21 40.7
APR 5	
GUA IP	02 24 36.7
E(S)	24 46.0
APR 5	
COL IP	02 29 24.2
APR 5	
H-03 12 54.2	
37.7N 021.8E	
h ABOUT 34KM	

Date and Station	Phase (GCT)
	h m s
WSC EP	03 24 24.3
WAS EP	03 24 26.0
COL EP	03 24 48.0
I	24 52.6
EPP	27 47.3
SJG EP	03 24 52.0
EPCP	25 00.0
CSC E(P)	03 24 54.5
RCD EP	03 25 26.0
HHM EP	03 25 30.8
BOZ EP	03 25 38.0
E	25 43.0
ES	36 20.0
BUT EP	03 25 38.1
I	25 42.6
SLC EP	03 25 57.2
ALQ E(P)	03 26 04.5
EUR EP	03 26 12.4
TUC E(P)	03 26 26.5
BCN E(P)	03 26 29.5
APR 5	
H-03 38 04.9	
51.6N 174.2E	
h ABOUT 44KM	
SHY I(P)	03 38 25.3
E(S)	38 39.7
COL EP	03 43 12.0
BOZ EP	03 46 35.8
E	46 44.5
EUR EP	03 46 45.9
APR 5	
COL EP	04 56 11.0
APR 5	
BOZ IP	05 27 47.8
IL	27 50.0
APR 5	
SHY I(P)	05 32 10.3
APR 5	
EUR EP	05 40 32.8
APR 5	
TUC E(P)	05 57 24.9
APR 5	
H-06 21 34.2	
03.2S 148.4E	
h ABOUT 10KM	
GUA E(P)	06 25 23.0
ES	28 44.0
COL EP	06 33 56.0

Date and Station	Phase (GCT)
	h m s
EUR EP	06 35 06.5
HHM E(P)	06 35 11.8
BOZ EP	06 35 21.0
SJG EP'	06 41 04.3
APR 5	
HON EP	06 39 37.0
ES	48 03.0
APR 5	
H-07 23 30.2	
10.5S 164.1E	
h ABOUT 27KM	
COL EP	07 35 55.5
EUR EP	07 36 24.5
APR 5	
COL EP	07 36 43.0
EUR E(P)	07 37 14.5
APR 5	
COL EP	07 37 44.0
APR 5	
H-07 34 15.1	
24.7N 140.8E	
h ABOUT 200KM	
COL EP	07 44 02.0
HHM EP	07 46 11.8
BUT EP	07 46 22.1
BOZ IP	07 46 25.0
EUR IP	07 46 25.8
ALQ E(P)	07 47 07.5
APR 5	
SJG EP	09 25 36.5
APR 5	
TUC E(P)	09 31 15.0
APR 5	
H-09 27 32.5	
43.9N 127.8W	
h ABOUT 33KM	
EUR IP	09 29 57.8
BOZ EP	09 30 19.0
BCN EP	09 30 34.5
ALQ I(P)	09 31 52.0
APR 5	
COL IP	10 21 07.9
APR 5	
COL EP	10 27 43.0
APR 5	
EUR EP	10 58 35.3

Date and Station	Phase (GCT)
	h m s
APR 5	
ALQ EP	11 16 33.5
TUC EP	11 16 33.6
EUR IP	11 16 49.8
BOZ EP	11 16 54.2
HHM EP	11 16 59.9
COL IP	11 17 48.6
APR 5	
ALQ IP	11 31 29.1
TUC E(P)	11 31 31.0
EUR EP	11 32 06.7
APR 5	
AMC EP	11 42 40.2
APR 5	
BOZ EP	12 53 19.0
APR 5	
H-13 16 38.4	
53.8N 160.8W	
h ABOUT 35KM	
COL EP	13 19 42.0
BRW EP	13 20 43.0
EUR EP	13 23 16.8
APR 5	
H-13 52 13.4	
44.6N 151.1E	
h ABOUT 81KM	
SHY E(P)	13 56 09.5
AMC EP	13 56 39.2
COL IP	13 59 30.7
KIP IP	14 00 44.5
EL	12 00.0
HON EL	14 12 00.0
HHM IP	14 02 21.9
IpP	02 44.7
I	02 57.9
BUT EP	14 02 37.1
IpP	02 59.1
BOZ IP	14 02 41.0
IpP	03 02.0
ES	11 16.5
EL	18 48.0
EUR IP	14 02 50.8
EpP	03 12.0
SLC EP	14 03 00.9
BCN EP D	14 03 08.4
EpP	03 28.0

Date and Station	Phase (GCT)
	h m s
RCD IP D	14 03 17.0
EpP	03 37.0
ES	12 22.0
TUC FP	14 03 38.0
EpP	04 01.5
ALQ EP	14 03 43.0
APR 5	
GUA IP	14 05 39.5
E	05 47.0
APR 5	
H-14 33 39.0	
26.7S 176.3W	
h ABOUT 45KM	
BCN EP	14 46 13.5
TUC E(P)	14 46 14.0
EUR EP	14 46 19.0
ALQ E(P)	14 46 36.1
BOZ EP	14 46 47.5
APR 5	
H-15 32 49.9	
50.2N 178.1E	
h ABOUT 33KM	
AMC IP	15 33 14.2
IS	33 31.2
COL EP	15 37 53.0
BOZ EP	15 41 08.5
EUR EP	15 41 17.1
APR 5	
H-15 51 22.7	
36.3S 054.0E	
h ABOUT 33KM	
COL EP'	16 11 09.0
APR 5	
H-16 55 51.3	
52.8N 172.4E	
h ABOUT 42KM	
SHY I(P)	16 56 08.5
E(S)	56 19.8
AMC FP	16 57 00.1
COL IP	17 00 58.0
BOZ EP	17 04 27.0
EUR EP	17 04 39.0
APR 5	
AMC EP	17 20 37.7
IS	20 53.2
APR 5	
EUR IP	17 25 21.4
APR 5	
BOZ E(P)	17 28 33.0

Date and Station	Phase (GCT)
	h m s
EUR EP	17 28 40.9
APR 5	
AMC EP	17 45 15.4
IS	45 32.3
APR 5	
H-17 46 23.7	
51.4N 179.9W	
h ABOUT 20KM	
AMC IP	17 46 37.6
IS	46 46.1
COL EP	17 51 13.0
BOZ EP	17 54 31.0
EUR IP	17 54 39.8
APR 5	
BOZ E(P)	17 53 10.0
APR 5	
AMC IP	18 01 02.0
IS	01 19.0
APR 5	
H-18 03 51.6	
51.2N 178.6E	
h ABOUT 36KM	
AMC IP	18 04 03.0
ES	04 11.5
SHY EP	18 04 42.5
IS	05 20.0
COL EP	18 08 44.0
BOZ EP	18 12 05.0
EUR IP	18 12 13.9
TUC E(P)	18 13 12.3
APR 5	
AMC IP	18 12 51.3
E(S)	13 07.3
APR 5	
BOZ EP	18 14 00.0
EUR EP	18 14 08.0
TUC E(P)	18 15 03.7
APR 5	
BOZ EP	18 20 51.0
EUR EP	18 20 59.1
TUC E(P)	18 21 24.1
APR 5	
AMC IP	19 04 43.2
APR 5	
BOZ E(P)	19 12 25.0
APR 5	
TUC E(P)	19 19 10.1

Date and Station	Phase (GCT)
	h m s
APR 5	
H-19 32 58.8	
50.4N 178.9E	
h ABOUT 47KM	
AMC IP	19 33 17.2
FS	33 33.4
COL EP	19 37 56.0
BOZ IP	19 41 12.0
EUR IP	19 41 19.5
E(pP)	41 31.5
TUC E(P)	19 42 17.4
APR 5	
H-21 00 00.0	
37.0N 116.0W	
h ABOUT 000KM	
BCN IP C	21 00 27.0
EUR IP	21 00 42.0
SLC E(P)	21 01 15.1
E	01 19.1
TUC EP	21 01 36.5
FGU FP	21 01 45.4
ALQ EP	21 01 59.5
BOZ EP	21 02 17.5
EL	04 43.0
BUT E(P)	21 02 20.0
APR 5	
ALQ EP	21 01 13.0
APR 5	
H-21 08 39.0	
50.3N 178.9E	
h ABOUT 029KM	
AMC IP	21 08 58.8
IS	09 14.7
COL E(P)	21 13 40.0
BOZ EP	21 16 53.6
EUR IP	21 17 02.1
APR 5	
H-21 16 14.6	
53.5N 180.0W	
h ABOUT 033KM	
COL E(P)	21 20 44.0
EUR EP	21 24 28.3
TUC E(P)	21 25 23.0
APR 5	
AMC EP	21 16 25.2
IS	16 51.7

Date and Station	Phase (GCT)
	h m s
APR 5	
COL EP	21 25 17.0
I	25 20.8
APR 5	
TUC EP	22 01 58.2
I(S)	02 15.5
ALQ EP	22 02 45.5
EUR EP	22 03 43.1
APR 5	
BCN I(P)	22 03 20.5
APR 5	
BCN EP	22 03 44.5
EL	04 12.5
APR 5	
ALQ EP	22 05 47.0
APR 5	
H-22 42 47.2	
20.2S 173.9W	
h ABOUT 102KM	
TUC E(P)	22 54 44.2
EUR IP	22 54 48.7
ALQ EP	22 55 10.0
BOZ EP	22 55 20.0
COL EP	22 55 23.0
APR 6	
AMC IP	00 06 19.6
IS	06 24.5
APR 6	
AMC IP	00 25 32.4
IS	25 53.2
APR 6	
COL EP	00 36 38.0
APR 6	
COL EP	00 50 06.0
APR 6	
COL EP	01 25 39.5
APR 6	
SHY EP	02 13 52.2
IS	14 12.2
APR 6	
H-02 27 47.7	
51.0N 178.8E	
h ABOUT 87KM	
AMC IP	02 28 00.5
IL	28 18.5
SHY EP	02 28 41.0
I	29 03.8
COL EP	02 32 39.0
BRW EP	02 32 48.5

Date and Station	Phase (GCT)
	h m s
HHM EP	02 35 34.6
E(pP)	35 56.1
BOZ EP	02 35 56.0
EpP	36 15.2
EsP	36 23.5
EUR IP	02 36 04.2
BCN EP	02 36 26.0
TUC EP	02 37 02.0
APR 6	
SHY I(P)	03 17 40.3
F	17 47.6
AMC EP	03 18 23.8
APR 6	
H-03 19 01.7	
52.2N 173.3E	
h ABOUT 30KM	
SHY IP	03 19 17.3
IS	19 31.0
AMC E(P)	03 20 07.1
EL	20 51.6
COL IP	03 24 10.6
BRW IP	03 24 10.0
E	24 21.1
HHM EP	03 27 14.1
BOZ EP	03 27 37.0
EUR IP	03 27 47.1
BCN EP	03 28 10.2
RCD E(P)	03 28 21.0
TUC EP	03 28 45.9
EpP	28 55.0
ALQ EP	03 28 51.2
APR 6	
COL EP	03 22 35.0
APR 6	
H-03 25 26.6	
52.3N 172.4E	
h ABOUT 033KM	
SHY E(P)	03 25 46.3
E	25 55.8
AMC EP	03 26 32.9
EL	27 27.6
COL E(P)	03 30 40.0
EUR EP	03 34 15.0
APR 6	
H-04 19 16.3	
27.2S 176.4W	
h ABOUT 47KM	
BCN EP	04 31 51.5

Date and Station	Phase (GCT)
	h m s
TUC EP	04 31 53.2
EUR IP	04 31 58.2
ALQ EP	04 32 14.8
BOZ EP	04 32 26.0
COL EP	04 32 31.0
APR 6	
GUA IP	05 30 05.8
IS	30 18.7
APR 6	
H-05 31 59.7	
36.1N 139.6E	
h ABOUT 69KM	
GUA IP	05 36 58.0
E(S)	41 03.0
BRW IP	05 40 32.1
IPCP	42 00.8
COL IP	05 40 53.1
HHM FP	05 43 26.6
BOZ IP	05 43 43.0
I	43 48.5
I(pP)	43 57.0
FUR IP	05 43 51.1
E(pP)	44 08.3
E(PP)	47 01.5
SLC EP	05 43 59.8
BCN FP	05 44 06.4
FGU E(P)	05 44 06.8
RCD IP C	05 44 13.0
E	44 18.0
TUC EP	05 44 26.4
I	44 31.1
ALQ IP	05 44 36.4
APR 6	
COL FP	05 50 45.5
APR 6	
BUT IP	06 58 40.1
APR 6	
BRW EP	08 02 09.6
COL EP	08 02 32.0
BOZ EP	08 05 32.2
EUR EP	08 05 41.8
APR 6	
RCD E(P)	08 02 21.5
BOZ E(P)	08 03 04.0
APR 6	
TUC E(P)	08 02 55.0

Date and Station	Phase (GCT)
	h m s
BCN E(P)	08 03 18.5
APR 6	
COL EP	08 05 00.0
APR 6	
H-08 10 40.5	
41.8N 141.5E	
h ABOUT 86KM	
BRW FP	08 18 25.3
COL IP	08 18 49.6
BOZ EP	08 21 52.0
BCN EP	08 22 17.3
E	22 39.0
APR 6	
FGU EP	08 53 34.0
EUR E(P)	08 54 13.7
ALQ E(P)	08 54 26.8
TUC E(P)	08 55 09.8
APR 6	
H-09 42 28.2	
.5S 119.9E	
h ABOUT 33KM	
GUA E(P)	09 48 19.4
BRW IP	09 55 18.6
E	55 31.3
E	55 40.7
EPP	58 33.5
COL EP	09 55 32.0
EPP	59 11.7
HHM EP'	10 01 05.1
EPKKP	11 55.1
BOZ EP'	10 01 09.0
E(PP)	02 02.2
EPKKP	11 52.0
EUR IP'	10 01 10.0
EPP	02 19.6
EPKKP	11 55.1
BCN EP'	10 01 14.5
EPP	02 15.0
ESKKP	15 10.5
RCD EP'	10 01 20.0
E(PKKP)	11 17.5
TUC EP'	10 01 22.0
EPP	02 56.3
E(PKKP)	11 12.3
ALQ IP'	10 01 26.6
WAS EP'	10 01 46.0
ESKP	05 24.0
WSC EP'	10 01 51.1

Date and Station	Phase (GCT)
	h m s
APR 6	
COL EP	09 45 44.0
APR 6	
SHY IP	10 34 54.2
ES	35 16.0
AMC EP	10 34 57.0
ES	35 19.5
APR 6	
H-10 47 55.2	
50.0N 178.5E	
h ABOUT 33KM	
BRW EP	10 53 09.4
BOZ EP	10 56 13.1
EUR EP	10 56 20.4
BCN EP	10 56 42.0
APR 6	
BRW EP	11 33 50.5
APR 6	
H-12 02 16.8	
21.0S 178.7W	
h ABOUT 554KM	
BCN EP	12 13 45.0
TUC EP	12 13 50.1
EUR EP	12 13 50.2
COL EP	12 14 11.0
BOZ EP	12 14 18.0
APR 6	
GUA IP	12 16 29.0
IS	16 48.0
APR 6	
H-12 34 35.6	
50.8N 180.0	
h ABOUT 33KM	
AMC IP	12 34 49.1
IL	35 05.1
COL EP	12 39 29.0
BRW EP	12 39 40.3
EPCP	43 27.5
HHM E(P)	12 42 20.1
EUR EP	12 42 52.3
BCN EP	12 43 11.5
TUC E(P)	12 43 50.6
APR 6	
SHY EP	12 34 56.4
APR 6	
H-13 19 02.2	
51.3N 179.8W	
h ABOUT 46KM	

Date and Station	Phase (GCT)
	h m s
AMC IP	13 19 13.7
ES	19 22.2
SHY EP	13 20 05.6
EL	20 59.5
COL IP	13 23 49.8
BRW IP	13 24 01.1
EPCP	27 52.4
HHM EP	13 26 44.2
BUT E(P)	13 27 02.0
BOZ EP	13 27 07.0
EUR IP	13 27 15.3
BCN EP	13 27 37.7
RCD IP	13 27 52.3
TUC EP	13 28 14.2
E	28 18.0
ALQ IP	13 28 21.5
APR 6	
H-13 30 45.1	
50.2N 178.3E	
h ABOUT 40KM	
AMC E(P)	13 31 17.9
IL	31 34.0
SHY EP	13 31 41.8
I	32 14.3
COL EP	13 35 46.0
BRW IP	13 35 57.4
HHM EP	13 38 41.2
E(PCP)	40 31.2
BOZ IP	13 39 02.9
I	39 05.2
EUR IP	13 39 10.3
EPCP	40 44.3
BCN EP	13 39 32.2
TUC EP D	13 40 08.2
ALQ IP	13 40 15.8
APR 6	
COL EP	13 40 49.0
APR 6	
BOZ EP	13 44 08.0
APR 6	
SHY E(P)	14 16 54.5
APR 6	
H-14 17 00.0	
50.3N 178.7E	
h ABOUT 35KM	
AMC EP	14 17 20.0

Date and Station	Phase (GCT)
	h m s
COL EP	14 22 00.0
HHM EP	14 24 54.2
BOZ EP	14 25 15.1
I	25 17.9
BCN EP	14 25 45.0
TUC EP	14 26 21.3
APR 6	
BRW EP	14 24 38.4
BOZ EP	14 27 42.0
APR 6	
COL EP	14 28 32.0
APR 6	
H-14 46 01.2	
45.6N 111.9W	
h ABOUT 33KM	
BOZ IP	14 46 08.2
ES	46 12.5
EL	46 19.0
BUT EP	14 46 14.6
I	46 16.6
IL	46 27.1
HHM EP	14 46 54.2
E	47 03.2
EL	47 44.3
EUR EP	14 47 44.7
APR 6	
SHY I(P)	15 14 20.1
APR 6	
BOZ EP	15 38 03.0
APR 6	
H-15 57 05.2	
39.0N 118.8W	
h ABOUT 33KM	
EUR IP	15 57 39.8
E(S)	58 05.3
BCN E(P)	15 58 15.5
I	58 21.5
ES	58 57.5
IL	59 14.0
APR 6	
BOZ EP	15 59 37.0
APR 6	
COL IP	16 33 07.0
APR 6	
BOZ EP	16 36 07.0
APR 6	
COL EP	16 40 39.2
APR 6	
H-16 53 57.8	
14.2N 092.6W	
h ABOUT 57KM	

Date and Station	Phase (GCT)
	h m s
ALQ IP	16 59 10.4
TUC EP	16 59 12.8
EUR EP	17 00 25.5
BOZ EP	17 00 48.5
E(sP)	01 22.0
EPCP	03 14.0
HHM EP	17 01 17.7
COL EP	17 04 21.0
BRW EP	17 04 59.2
APR 6	
ALQ EP	16 58 32.0
APR 6	
H-17 26 46.7	
27.1S 176.3W	
h ABOUT 38KM	
TUC E(P)	17 39 22.8
EUR EP	17 39 27.0
ALQ E(P)	17 39 45.5
BOZ EP	17 39 56.7
COL EP	17 40 02.0
APR 6	
H-17 37 35.5	
55.5N 166.8W	
h ABOUT 033KM	
COL E(P)	17 40 42.6
EUR IP	17 44 44.7
APR 6	
GUA IP	18 41 17.8
APR 6	
H-18 44 00.0	
53.7N 160.7W	
h ABOUT 33KM	
COL EP	18 47 04.0
BRW EP	18 48 04.8
HHM EP	18 50 03.2
BOZ EP	18 50 27.1
EUR E(P)	18 50 50.0
APR 6	
H-18 57 08.8	
51.7N 175.1E	
h ABOUT 64KM	
SHY I(P)	18 57 27.0
E(S)	57 43.1
COL EP	19 02 10.0
BRW IP	19 02 12.4

Date and Station	Phase (GCT)
	h m s
APR 6	
AMC E(P)	18 57 20.0
APR 6	
H-19 21 49.7	
3.1S 078.2W	
h ABOUT 97KM	
SJG EP	19 26 56.5
E	27 21.0
ALQ IP	19 30 07.4
TUC IP D	19 30 12.1
E▸P	30 34.9
EUR EP	19 31 11.5
E(▸P)	31 33.0
EPCP	32 12.2
EPP	33 13.9
BOZ IP	19 31 25.1
I▸P	31 48.0
E▸P	32 00.0
HHM EP	19 31 47.2
COL EP	19 34 12.0
BRW EP	19 34 35.6
E(▸P)	35 00.1
APR 6	
TUC E(P)	19 22 06.5
APR 6	
TUC E(P)	19 24 11.1
APR 6	
GUA IP	20 07 06.0
IS	07 35.0
APR 6	
GUA EP	21 20 29.2
E(S)	20 55.5
APR 6	
ALQ EP	21 16 37.6
APR 6	
H-21 50 21.9	
45.4N 149.9E	
h ABOUT 16KM	
BRW EP	21 57 25.6
E	57 38.9
EPCP	59 50.8
COL IP	21 57 46.8
I	57 59.9
HHM EP	22 00 39.6
BOZ EP	22 00 58.2
E	01 14.0
E	01 56.0
EUR IP	22 01 09.3
I(PCP)	01 34.2
BCN EP	22 01 28.3
E	01 43.5
TUC EP	22 01 57.0

Date and Station	Phase (GCT)
	h m s
APR 6	
COL EP	23 25 19.0
APR 7	
ALQ EP	00 18 56.0
APR 7	
H-00 43 46.8	
24.7S 179.4W	
h ABOUT 449KM	
TUC EP	00 55 43.5
APR 7	
KIP EP	01 31 18.7
APR 7	
COL EP	02 32 23.5
APR 7	
H-03 27 52.1	
22.5N 143.4E	
h ABOUT 201KM	
GUA EP	03 29 59.0
EUR IP	03 40 00.6
APR 7	
TUC E(P)	04 40 54.6
ALQ E(P)	04 41 11.0
EUR E(P)	04 41 30.1
APR 7	
BHP EP	05 03 58.5
IS	04 49.0
APR 7	
TUC E(P)	05 11 01.3
ALQ E(P)	05 11 14.6
EUR EP	05 11 33.5
BOZ E(P)	05 11 42.0
APR 7	
COL EP	05 27 45.0
I	28 52.7
APR 7	
H-08 09 37.8	
50.3N 178.1E	
h ABOUT 33KM	
COL EP	08 14 40.0
BOZ EP	08 17 55.7
EUR EP	08 18 03.1
APR 7	
H-08 12 28.0	
16.7S 178.2W	
h ABOUT 407KM	
EUR E(P)	08 23 47.8
TUC EP	08 24 00.5
COL IP	08 24 17.3

Date and Station	Phase (GCT)
	h m s
BOZ EP	08 24 27.0
E	25 50.0
APR 7	
BOZ EP	08 17 20.4
APR 7	
H-08 17 34.6	
52.4N 177.5E	
h ABOUT 033KM	
COL EP	08 22 23.0
EUR EP	08 25 59.7
APR 7	
SHY E(P)	08 17 39.7
IS	18 00.3
APR 7	
BCN EP	09 16 55.2
APR 7	
AMC EP	09 27 29.5
IS	27 55.5
APR 7	
AMC IP	09 29 39.5
IS	30 05.1
APR 7	
COL EP	09 32 05.0
BOZ EP	09 35 22.0
EUR EP	09 35 32.4
BCN EP	09 36 27.2
APR 7	
COL EP	09 34 09.0
APR 7	
H-09 42 30.2	
50.5N 176.5E	
h ABOUT 25KM	
AMC IP	09 43 02.4
IS	43 24.5
SHY EP	09 43 12.8
IS	43 44.3
COL EP	09 47 39.0
HHM EP	09 50 35.2
E	50 59.2
BOZ EP	09 50 56.5
EUR IP	09 51 05.6
TUC E(P)	09 52 03.2
APR 7	
H-11 54 17.5	
50.9N 176.3E	
h ABOUT 33KM	
AMC IP	11 54 49.7
IS	55 13.9
COL EP	11 59 23.0

Date and Station	Phase	Phase (GCT) h m s
BOZ	EP	12 02 42.2
EUR	E(P)	12 02 52.8
APR 7		
EUR	EP	12 50 51.9
BOZ	EP	12 51 20.5
APR 7		
BCN	EP	13 15 43.9
APR 7		
H-13 22 52.7		
51.2N 173.0E		
h ABOUT 33KM		
SHY	I(P)	13 23 19.4
COL	EP	13 28 08.0
BOZ	EP	13 31 31.0
EUR	IP	13 31 41.9
APR 7		
COL	IP	13 52 01.0
BRW	EP	13 53 19.5
APR 7		
AMC	IP	14 10 34.1
	IS	10 53.5
APR 7		
BOZ	EP	14 18 30.0
APR 7		
H-15 40 24.5		
39.7N 140.8E		
h ABOUT 79KM		
COL	EP	15 48 50.0
BOZ	EP	15 51 47.5
EUR	EP	15 51 56.1
APR 7		
BOZ	EP	15 42 27.0
APR 7		
SHY	E(P)	16 10 35.3
APR 7		
BRW	E(P)	16 15 06.0
COL	EP	16 15 31.0
APR 7		
COL	EP	17 45 13.2
APR 7		
H-17 48 59.7		
21.0S 178.8W		
h ABOUT 568KM		
BCN	EP	18 00 27.4
TUC	EP	18 00 32.3
EUR	IP	18 00 32.4
ALQ	IP	18 00 52.4
COL	IP	18 00 53.0
	E(pP)	03 04.5
FGU	IP	18 00 56.3
HHM	EP	18 00 59.4
BOZ	IP	18 01 00.0
BRW	FP	18 01 14.0
APR 7		
BCN	IP	18 56 22.5
	IS	56 35.0
APR 7		
BCN	EP	19 05 23.5
	EL	05 56.0
EUR	IP	19 05 49.2
	E(S)	06 40.7
APR 7		
EUR	EP	20 16 52.2
	EL	17 32.6
APR 7		
H-20 27 51.0		
50.8N 178.4E		
h ABOUT 33KM		
BOZ	E(P)	20 36 06.0
APR 7		
EUR	EP	21 00 17.0
APR 7		
H-21 06 43.0		
44.4N 114.8W		
h ABOUT 033KM		
BUT	EP	21 07 18.2
BOZ	EP	21 07 22.5
	IL	08 01.0
BZM	E(P)	21 07 30.0
HHM	E(P)	21 07 42.5
	EL	08 32.5
EUR	EP	21 07 58.2
	EL	09 06.7
APR 7		
EUR	EP	21 43 03.6
	EL	43 36.2
APR 7		
BUT	EP	22 07 23.3
	E(L)	07 52.3
APR 7		
EUR	IP	22 28 38.0
APR 7		
BUT	E(P)	22 41 01.5
	EL	41 38.5
APR 7		
EUR	IP	22 54 54.0
APR 7		
SHY	EP	23 11 30.1
COL	EP	23 16 11.6
BOZ	EP	23 19 29.0
EUR	EP	23 20 38.0
APR 7		
FGU	EP	23 35 25.0
APR 8		
H-00 02 40.1		
08.3S 080.1W		
h ABOUT 33KM		
TUC	E(P)	00 11 33.0
EUR	EP	00 12 33.6
	E	12 45.8
APR 8		
SHY	E(P)	00 26 49.4
	E(S)	27 05.6
APR 8		
SHY	I(P)	00 55 27.0
	E(S)	55 45.6
APR 8		
EUR	EP	01 07 23.3
APR 8		
H-01 08 09.5		
50.2N 178.1E		
h ABOUT 11KM		
AMC	IP	01 08 36.2
COL	EP	01 13 15.0
BRW	EP	01 13 26.2
HHM	E(P)	01 16 07.7
BOZ	EP	01 16 32.0
	E	16 43.5
EUR	EP	01 16 39.4
APR 8		
SHY	EP	01 08 29.3
APR 8		
H-01 57 53.8		
50.2N 178.5E		
h ABOUT 29KM		
AMC	IP	01 58 15.6
	E(S)	58 30.5
COL	EP	02 02 55.0
BRW	EP	02 03 05.8
HHM	EP	02 05 49.9
	EpP	05 59.7
BOZ	IP D	02 06 12.1
	I	06 23.5
EUR	IP	02 06 19.1
	EPCP	07 54.1
BCN	EP	02 06 41.8
	EpP	06 50.6
TUC	EP	02 07 17.5
	EpP	07 26.7
ALQ	EP	02 07 25.0
	EPCP	08 26.5
APR 8		
SHY	I(P)	02 08 21.7
AMC	EP	02 09 03.5
	E(S)	09 43.6
APR 8		
BOZ	EP	02 09 32.9
APR 8		
COL	EP	02 13 14.0
APR 8		
COL	EP	02 20 42.0
APR 8		
ALQ	EP	02 29 30.0
APR 8		
KIP	IP	02 40 54.7
	E	41 00.6
HON	IP	02 40 56.0
APR 8		
AMC	EP	02 44 13.0
	IS	44 21.0
APR 8		
SHY	E(P)	04 33 19.6
APR 8		
H-04 44 47.9		
08.0N 082.2W		
h ABOUT 33KM		
BHP	IP	04 45 31.0
	IS	46 05.0
ALQ	EP	04 51 38.0
	E	51 41.5
EUR	EP	04 52 51.2
APR 8		
TUC	E(P)	07 45 25.7
	E	45 42.3
	E(S)	46 38.0
ALQ	E(P)	07 46 12.2
	IS	48 42.2
BCN	E(P)	07 46 23.8
	EL	49 02.5
EUR	E(P)	07 47 20.2
APR 8		
H-09 22 45.5		
39.0N 143.0E		
h ABOUT 28KM		
COL	E(P)	09 31 14.8
BOZ	EP	09 34 11.0
ALQ	E(P)	09 35 07.5

Date and Station	Phase (GCT)
	h m s
APR 8	
BRW E(P)	09 34 50.1
APR 8	
H-12 46 29.3	
22.6S 179.8E	
h ABOUT 455KM	
TUC EP	12 58 21.5
IPCP	58 28.7
BCN E(P)	12 58 23.2
FUR EP	12 58 28.6
ALQ EP	12 58 41.4
BOZ E(P)	12 58 56.0
APR 8	
H-12 51 27.8	
17.6S 178.7W	
h ABOUT 575KM	
GUA EP	12 59 13.2
BCN EP	13 02 43.0
E▸P	04 45.0
EPP	05 55.5
FUR IP	13 02 47.8
E▸P	04 50.0
EPP	05 58.9
TUC IP C	13 02 49.6
E▸P	04 50.0
GCA IP	13 02 59.5
SLC IP	13 03 04.8
COL IP	13 03 05.8
I(▸P)	05 11.0
ALQ IP	13 03 10.0
I▸P	05 14.5
BUT IP	13 03 13.8
I▸P	05 16.6
HHM IP	13 03 14.8
BOZ IP	13 03 15.0
I▸P	05 20.1
RCD EP	13 03 38.0
EPP	07 25.0
APR 8	
SJG EP	13 11 51.6
APR 8	
TUC E(P)	13 21 17.0
APR 8	
TUC E(P)	13 31 57.0
APR 8	
KIP EP	13 36 05.3
APR 8	
H-13 43 52.8	
52.2N 173.5E	
h ABOUT 46KM	

Date and Station	Phase (GCT)
	h m s
SHY I(P)	13 44 48.1
AMC EP	13 44 48.1
EL	45 44.6
BRW IP	13 48 55.4
E	52 24.1
COL IP	13 49 00.0
I	49 04.5
ES	53 14.0
SIT E(P)	13 49 55.5
KIP IP	13 51 05.6
ES	57 12.0
EL	14 01 13.0
HON E(P)	13 51 16.0
ES	57 17.0
EL	14 01 04.5
HHM EP	13 52 03.8
GUA E(P)	13 52 14.0
IS	58 38.0
BUT E(P)	13 52 24.0
BOZ EP	13 52 26.0
I	52 29.5
ESCP	57 40.0
EUR IP	13 52 36.3
SLC EP	13 52 52.6
BCN EP	13 52 58.3
E	53 03.7
FGU EP	13 53 02.0
RCD IP D	13 53 09.5
E	53 14.0
ES	14 00 48.0
GCA E(P)	13 53 14.4
TUC EP	13 53 34.2
E	53 39.0
ALQ IP	13 53 39.6
WAS EP	13 55 09.0
SJG E(P)	13 57 09.0
APR 8	
COL EP	13 59 46.0
APR 8	
BRW E(P)	14 04 44.3
COL EP	14 04 47.0
APR 8	
COL EP	14 12 28.0
APR 8	
AMC E(P)	14 12 41.2
APR 8	
COL EP	14 16 46.0

Date and Station	Phase (GCT)
	h m s
APR 8	
COL EP	14 25 07.0
APR 8	
KIP E(P)	14 30 46.0
APR 8	
H-14 31 10.9	
52.0N 173.4E	
h ABOUT 34KM	
SHY E(P)	14 31 27.9
AMC EP	14 32 06.7
E(S)	32 45.7
BRW IP	14 36 18.4
COL IP	14 36 20.0
KIP IP	14 38 26.2
I▸P	38 38.0
HHM EP	14 39 23.9
BOZ EP	14 39 45.5
I▸P	39 56.0
EUR IP	14 39 56.3
E▸P	40 07.6
BCN EP	14 40 19.0
E▸P	40 29.4
RCD E(P)	14 40 30.0
TUC EP	14 40 55.4
E(▸P)	41 04.0
ALQ E(P)	14 41 01.0
APR 8	
H-14 48 21.8	
05.8S 154.6E	
h ABOUT 125KM	
GUA IP	14 53 02.0
COL EP	15 00 29.0
I▸P	00 58.7
EUR IP	15 01 25.2
E▸P	01 56.2
BCN EP	15 01 28.5
E▸P	01 58.5
BOZ EP	15 01 38.0
E▸P	02 11.0
SJG EP'	15 07 28.2
E▸P'	08 05.0
APR 8	
KIP E(P)	15 18 28.0
APR 8	
BCN EP	15 43 20.0
EL	44 02.0
TUC E(P)	15 43 41.8

Date and Station	Phase (GCT)
	h m s
APR 8	
H-15 44 08.5	
50.5N 177.5E	
h ABOUT 32KM	
AMC IP	15 44 32.6
IS	44 48.1
SHY E(P)	15 44 50.6
COL EP	15 49 12.0
BRW IP	15 49 20.5
HHM EP	15 52 08.9
BOZ EP D	15 52 30.5
I	52 46.0
EUR IP	15 52 38.1
I	52 44.1
I	52 53.9
TUC EP	15 53 35.8
APR 8	
ALQ EP	16 02 03.0
APR 8	
COL EP	16 06 23.0
APR 8	
BOZ EP	16 28 30.0
APR 8	
H-17 03 46.5	
51.7N 179.1E	
h ABOUT 33KM	
AMC IP	17 03 56.1
IL	04 10.3
BOZ E(P)	17 11 52.8
E	12 06.0
APR 8	
H-17 06 09.8	
2.2S 139.7E	
h ABOUT 33KM	
GUA IL	17 14 14.0
COL EP	17 18 40.0
APR 8	
H-17 44 04.6	
52.1N 173.1E	
h ABOUT 41KM	
SHY I(P)	17 44 20.1
E(S)	44 31.2
AMC IP	17 45 03.2
EL	45 57.2
BRW EP	17 49 11.4
COL IP	17 49 13.6
BOZ EP	17 52 39.2
E	52 44.5
EUR IP	17 52 49.9
E	53 05.1

Date and Station	Phase	(GCT)
		h m s
TUC	EP	17 53 48.3
APR 8		
AMC	EP	17 45 20.0
	IS	48 26.0
APR 8		
GUA	E(P)	17 56 24.0
	ES	56 39.5
APR 8		
TUC	E(P)	18 42 05.5
APR 8		
H-18 59 16.7		
53.0N 171.6E		
h ABOUT 33KM		
SHY	IP	18 59 41.8
	E(S)	19 00 02.0
BRW	EP	19 04 23.4
BOZ	EP	19 07 56.3
	E(pP)	08 05.2
EUR	IP	19 08 09.4
	E(pP)	08 18.6
APR 8		
TUC	E(P)	19 30 15.0
APR 8		
SHY	I(P)	20 30 12.0
	E(S)	30 32.0
APR 8		
H-20 31 00.2		
57.8S 029.8W		
h ABOUT 97KM		
COL	IP'	20 50 34.4
BRW	EP'	20 50 58.8
APR 8		
SHY	I(P)	20 44 33.5
	E(S)	44 52.5
APR 8		
COL	EP	20 49 25.0
APR 8		
BOZ	EP	21 45 41.5
	E	45 50.0
APR 8		
TUC	E(P)	22 24 24.8
	ES	24 44.2
ALQ	E(P)	22 24 54.5
APR 8		
SHY	I(P)	22 47 07.3
	E(S)	47 18.4
APR 8		
TUC	E(P)	22 51 51.0
APR 8		
EUR	IP	23 28 46.0
	EL	29 21.5

Date and Station	Phase	(GCT)
		h m s
APR 8		
SHY	E(P)	23 44 33.9
	E(S)	44 50.0
APR 9		
H-01 15 15.1		
38.0N 072.9E		
h ABOUT 150KM		
BRW	E(P)	01 25 43.5
COL	EP	01 26 27.0
APR 9		
H-01 28 48.2		
57.6N 151.4W		
h ABOUT 33KM		
COL	IP	01 30 37.5
APR 9		
TUC	E(P)	01 49 26.6
	E	50 16.6
ALQ	E(P)	01 50 30.0
	I	53 35.5
APR 9		
BHP	EP	02 01 50.0
	IS	02 30.0
APR 9		
SJG	IP	02 52 18.5
	IS	52 32.7
APR 9		
ALQ	EP	03 01 30.5
APR 9		
H-03 02 53.0		
51.7N 176.3E		
h ABOUT 33KM		
SHY	IP	03 03 21.2
	ES	03 44.4
COL	EP	03 07 53.0
BRW	EP	03 07 57.6
BOZ	EP	03 11 15.6
EUR	IP	03 11 26.1
	EpP	11 37.6
TUC	EP	03 12 23.0
APR 9		
SJG	E(P)	03 16 12.0
APR 9		
H-03 20 10.4		
51.7N 176.2E		
h ABOUT 40KM		
SHY	IP	03 20 38.3
	ES	21 03.5
COL	EP	03 25 10.0
BRW	EP	03 25 14.2
EUR	EP	03 28 42.2

Date and Station	Phase	(GCT)
		h m s
TUC	E(P)	03 29 41.6
APR 9		
ALQ	EP	03 34 21.8
APR 9		
KIP	E(P)	03 48 28.2
APR 9		
FGU	EP	05 05 23.0
APR 9		
RCD	E(P)	05 34 56.0
APR 9		
H-05 49 02.0		
52.3N 171.9E		
h ABOUT 38KM		
SHY	IP	05 49 25.7
	E(S)	49 43.0
BRW	EP	05 54 11.0
COL	EP	05 54 14.0
BOZ	EP	05 57 42.0
EUR	IP	05 57 53.8
	IpP	56 04.1
RCD	E(P)	05 58 25.0
TUC	EP	05 58 52.0
ALQ	EP	05 58 56.5
APR 9		
SHY	EP	06 15 22.8
	ES	15 44.5
APR 9		
BOZ	EP	06 31 24.0
APR 9		
SHY	IP	06 32 23.1
	ES	32 42.5
APR 9		
BOZ	EP	06 57 50.5
APR 9		
BHP	IP D	07 02 56.0
	IS	03 10.0
APR 9		
BHP	IP	07 20 56.0
APR 9		
H-07 39 16.6		
51.7N 177.2E		
h ABOUT 33KM		
SHY	EP	07 39 49.6
COL	E(P)	07 44 21.2
BOZ	EP	07 47 37.4
EUR	E(P)	07 47 45.3

Date and Station	Phase	(GCT)
		h m s
APR 9		
H-08 28 53.6		
35.4N 136.0E		
h ABOUT 33KM		
COL	EP	08 38 08.3
BOZ	EP	08 40 55.4
EUR	IP	08 41 03.5
RCD	E(P)	08 41 24.5
APR 9		
BOZ	EP	09 41 48.1
	E	41 57.3
APR 9		
H-10 45 29.4		
32.6S 178.3W		
h ABOUT 52KM		
BCN	EP	10 58 29.5
TUC	EP	10 58 30.0
	E	58 41.5
	E(S)	11 09 05.0
EUR	IP	10 58 34.7
ALQ	E(P)	10 58 49.5
BOZ	E(P)	10 59 03.0
COL	EP	10 59 09.0
APR 9		
H-10 46 05.6		
50.4N 178.1E		
h ABOUT 12KM		
SHY	EP	10 46 59.4
	I	47 31.7
COL	EP	10 51 10.0
BOZ	EP	10 54 27.2
EUR	EP	10 54 35.5
TUC	EP	10 55 33.5
ALQ	EP	10 55 40.6
APR 9		
SJG	IP	11 22 37.0
	IS	22 53.0
APR 9		
EUR	EP	12 51 40.8
	IL	52 58.9
BCN	E(P)	12 52 13.0
APR 9		
COL	EP	13 19 32.0
APR 9		
SHY	IP	14 03 00.0
	ES	03 19.0
APR 9		
COL	EP	14 07 47.0

Date and Station	Phase (GCT)
	h m s
APR 9	
BOZ EP	14 31 14.0
APR 9	
H-14 32 21.1	
33.5N 137.6E	
h ABOUT 332KM	
BRW IP	14 40 51.6
COL EP	14 41 10.0
BOZ IP	14 43 51.5
EUR IP	14 43 58.8
BCN EP	14 44 12.7
APR 9	
H-15 09 15.9	
11.4N 087.4W	
h ABOUT 033KM	
BOZ EP	15 16 48.0
APR 9	
H-15 36 27.2	
51.1N 178.9E	
h ABOUT 061KM	
COL EP	15 41 18.0
BRW E(P)	15 41 28.0
BOZ E(P)	15 44 34.0
EUR EP	15 44 44.8
APR 9	
COL EP	15 47 24.0
APR 9	
COL EP	16 16 10.5
APR 9	
GUA IP	16 26 00.0
E(S)	26 09.0
APR 9	
HHM E(P)	16 46 27.1
IL	47 02.1
BUT E(P)	16 46 43.0
APR 9	
COL IP	17 13 50.7
APR 9	
SHY IP	17 22 42.4
IS	23 03.0
APR 9	
COL EP	17 27 30.0
APR 9	
H-17 33 45.3	
59.6N 144.9W	
h ABOUT 052KM	
COL EP	17 35 06.2
BRW EP	17 36 44.8

Date and Station	Phase (GCT)
	h m s
HHM EP	17 38 27.1
E(S)	45 18.1
EUR EP	17 39 25.9
TUC EP	17 40 38.5
E	40 45.5
APR 9	
H-18 20 01.5	
54.8S 118.4W	
h ABOUT 033KM	
TUC EP	18 32 45.5
ALQ IP	18 32 58.6
BCN EP	18 33 02.0
EUR IP	18 33 18.0
APR 9	
SHY I(P)	20 10 13.8
IS	10 36.0
APR 9	
COL E(P)	20 14 42.5
APR 9	
GCA E(P)	21 05 20.3
APR 9	
TUC E(P)	21 10 30.0
APR 9	
EUR EP	21 18 39.0
EL	19 12.4
BCN EP	21 18 52.5
EL	19 30.0
APR 9	
COL EP	21 52 39.2
APR 9	
SLC EP	22 36 53.9
ES	37 21.4
APR 9	
H-22 52 24.3	
04.2S 134.1E	
h ABOUT 33KM	
GUA E(P)	22 57 04.3
E(S)	23 00 52.8
KIP E(P)	23 03 46.9
HON EL	23 25 20.0
SJG FP'	23 12 18.5
APR 9	
H-22 59 40.1	
51.9N 177.6E	
h ABOUT 54KM	
AMC EP	23 00 00.9
E(S)	00 18.9
COL EP	23 04 33.0
EUR IP	23 08 05.1

Date and Station	Phase (GCT)
	h m s
BCN EP	23 08 27.0
TUC EP	23 09 03.0
APR 9	
SLC IP	23 34 04.1
EL	34 20.3
APR 9	
H-23 47 12.5	
04.0S 134.2E	
h ABOUT 33KM	
GUA E(P)	23 51 51.2
COL EP	24 00 05.0
SJG FP'	24 07 06.5
APR 9	
H-23 57 03.2	
35.1N 024.3E	
h ABOUT 51KM	
BRW IP	00 08 34.5
EPCP	08 53.7
I	09 29.6
WSC EP	00 08 50.3
EpP	09 06.8
PHI ES	00 18 14.0
COL EP	00 09 09.5
SJG EP	00 09 10.0
ESKS	19 10.5
CSC EP	00 09 20.5
EpP	09 38.0
E	12 52.0
SIT E(P)	00 09 44.3
RCD EP	00 09 49.0
E(pP)	10 03.0
E(S)	20 26.0
HHM EP	00 09 54.1
ES	20 41.1
BUT EP	00 10 00.4
SLC IP	00 10 20.0
ALQ IP	00 10 29.6
GCA E(P)	00 10 32.8
EUR IP	00 10 33.3
E(pP)	10 47.8
E	13 56.1
BCN EP	00 10 44.3
E	11 06.0
E	14 26.7
TUC EP	00 10 49.2
EPP	14 53.0
APR 10	
H-00 12 44.2	
50.8N 175.8E	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
COL EP	00 17 52.0
EUR IP	00 21 21.1
TUC E(P)	00 22 18.0
APR 10	
AMC I(P)	00 13 07.9
SHY EP	00 13 53.0
I	13 56.5
ES	14 38.9
APR 10	
H-00 20 01.1	
35.0N 024.2E	
h ABOUT 59KM	
BRW EP	00 31 33.5
COL EP	00 32 08.4
HHM E(P)	00 32 47.1
APR 10	
GUA IP	00 21 30.0
APR 10	
TUC E(P)	00 27 05.0
APR 10	
H-00 40 01.4	
51.3N 179.3E	
h ABOUT 36KM	
AMC IP	00 40 07.5
SHY EP	00 40 56.1
EL	41 44.7
COL EP	00 44 52.0
BRW E(P)	00 45 03.0
EUR IP	00 48 20.7
APR 10	
BOZ EP	00 40 44.0
E	40 51.5
APR 10	
HON EL	00 58 04.0
APR 10	
H-01 22 30.6	
52.8N 172.0E	
h ABOUT 13KM	
SHY IP	01 22 53.6
AMC FP	01 23 44.9
F(S)	24 37.9
BRW IP	01 27 37.5
I	27 39.5
COL IP	01 27 42.0
HHM EP	01 30 48.1
BUT EP	01 31 05.9
BOZ EP	01 31 12.5

Date and Station	Phase (GCT) h m s
EUR IP	01 31 23.7
RCD EP	01 31 55.0
TUC EP	01 32 23.0
ALQ I(P)	01 32 28.2
APR 10	
BOZ EP	01 25 44.0
APR 10	
H-01 40 08.6	
51.6N 175.9E	
h ABOUT 41KM	
SHY EP	01 40 34.8
E(S)	40 55.7
AMC EP	01 40 42.5
E(S)	41 10.9
COL EP	01 45 10.0
BRW E(P)	01 45 13.5
BOZ E(P)	01 48 33.0
EUR IP	01 48 43.9
TUC EP	01 49 41.9
APR 10	
BOZ EP	02 24 08.0
APR 10	
SHY I(P)	02 51 36.6
E(S)	51 51.9
APR 10	
COL EP	02 56 22.0
APR 10	
BOZ E(P)	03 00 00.0
APR 10	
SHY IP	03 01 26.4
ES	01 49.0
APR 10	
COL IP	04 06 19.5
APR 10	
COL FP	04 37 57.2
APR 10	
H-04 39 55.3	
20.3S 174.3W	
h ABOUT 33KM	
TUC EP	04 52 04.7
ALQ EP	04 52 28.0
COL EP	04 52 40.0
APR 10	
H-04 43 53.8	
51.2N 176.1E	
h ABOUT 33KM	
AMC IP	04 44 25.3
IS	44 50.2

Date and Station	Phase (GCT) h m s
COL FP	04 48 58.3
BOZ E(P)	04 52 15.0
EUR IP	04 52 28.9
TUC E(P)	04 53 26.5
ALQ EP	04 53 33.0
APR 10	
H-05 01 21.0	
51.2N 176.1E	
h ABOUT 33KM	
COL E(P)	05 06 25.3
EUR IP	05 09 55.7
APR 10	
SHY E(P)	06 10 26.8
E(S)	10 41.6
APR 10	
H-06 25 24.2	
51.2N 176.2E	
h ABOUT 26KM	
AMC EP	06 25 56.4
IS	26 20.9
COL E(P)	06 30 28.2
EUR IP	06 33 59.7
APR 10	
TUC E(P)	07 02 00.0
E(S)	02 49.3
APR 10	
TUC E(P)	07 07 04.5
APR 10	
H-07 41 37.3	
4.8S 152.6E	
h ABOUT 66KM	
COL IP	07 53 51.0
EPCP	53 56.7
BRW IP	07 53 57.2
APR 10	
BOZ E(P)	08 43 08.0
HHM E(P)	08 43 13.1
EL	43 39.1
APR 10	
BOZ EP	10 23 30.0
IL	23 42.0
BUT E(P)	10 23 40.0
E	23 57.4
APR 10	
H-11 16 56.6	
51.5N 175.8E	
h ABOUT 52KM	
SHY EP	11 17 23.5
ES	17 43.8

Date and Station	Phase (GCT) h m s
AMC FP	11 17 30.9
I	17 32.9
IS	18 03.3
COL EP	11 21 57.0
BOZ E(P)	11 25 14.0
EUR IP	11 25 30.6
TUC E(P)	11 26 27.6
APR 10	
SHY EP	11 39 30.1
I	39 51.9
AMC FP	11 39 37.8
I	39 39.8
E(S)	40 08.2
APR 10	
BOZ EP	11 42 45.0
APR 10	
SHY IP	11 43 18.6
IS	43 24.1
APR 10	
BRW EP	11 53 30.3
COL EP	11 53 31.5
APR 10	
H-12 00 22.0	
50.4N 178.5E	
h ABOUT 36KM	
AMC IP	12 00 42.3
IS	00 58.3
COL EP	12 05 22.0
HHM FP	12 08 16.2
BOZ EP	12 08 39.0
E	08 47.0
EUR IP	12 08 46.9
TUC EP	12 09 44.3
APR 10	
GUA IP	13 16 14.0
APR 10	
COL EP	13 19 27.0
APR 10	
ALQ EP	13 20 29.0
APR 10	
COL IP	14 00 02.9
APR 10	
H-14 11 22.0	
37.6N 073.4E	
h ABOUT 33KM	
BRW IP	14 22 06.1
COL IP	14 22 49.7
HHM EP	14 24 39.3

Date and Station	Phase (GCT) h m s
BOZ FP	14 24 52.0
E(PP)	28 41.0
EUR E(P)	14 25 22.0
APR 10	
H-14 46 50.7	
20.2S 173.7W	
h ABOUT 33KM	
KIP IP	14 54 59.0
I	55 12.3
I	55 26.5
BCN IP	14 58 53.8
IPP	59 03.5
TUC IP	14 58 58.2
IPP	59 09.0
EUR IP	14 59 01.0
GCA IP	14 59 09.0
SLC IP	14 59 17.5
BOZ IP	14 59 31.4
IPP	59 42.0
HHM FP	14 59 32.2
COL EP	14 59 34.0
RCD E(P)	14 59 52.0
BRW FP	15 00 14.3
APR 10	
ALQ IP	14 49 21.6
APR 10	
COL EP	14 53 13.0
BRW FP	14 53 36.5
APR 10	
H-15 07 22.8	
50.1N 178.4E	
h ABOUT 33KM	
AMC IP	15 07 45.9
E	07 59.7
COL E(P)	15 12 09.6
BRW E(P)	15 12 38.1
BOZ FP	15 15 41.2
EUR IP	15 15 49.8
APR 10	
AMC EP	15 27 37.6
I	27 39.5
IS	28 07.9
APR 10	
BRW FP	15 29 25.1
APR 10	
BRW E(P)	15 31 32.0
COL E(P)	15 31 59.0

Date and Station	Phase (GCT)
	h m s
APR 10	
HON E(P)	15 49 22.0
ES	49 57.0
KIP IP	15 49 22.8
ES	49 59.0
APR 10	
KIP E(P)	16 10 36.1
APR 10	
SJG EP	16 11 22.0
APR 10	
BRW EP	16 23 37.5
COL EP	16 23 47.1
BOZ EP	16 28 48.0
APR 10	
HHM EP	16 31 04.8
BOZ EP	16 31 32.2
EUR EP	16 32 01.0
APR 10	
BCN E(P)	16 33 05.5
EL	33 49.0
APR 10	
COL E(P)	16 44 36.6
APR 10	
H-16 54 55.8	
53.1N 170.9E	
h ABOUT 8KM	
SHY I(P)	16 55 41.5
AMC EP	16 56 19.4
BRW IP	17 00 03.0
E(S)	03 52.0
COL IP	17 00 10.6
KIP E(P)	17 02 26.4
HON EL	17 13 04.1
HHM IP C	17 03 19.3
BUT EP	17 03 36.4
BOZ IP	17 03 41.5
E	03 47.0
EUR IP	17 03 54.4
I	04 00.4
EPP	06 00.5
BCN EP	17 04 17.0
E	04 22.0
RCD EP	17 04 24.0
ALQ I(P)	17 04 56.7
SJG EP	17 08 15.5
APR 10	
EUR IP	17 09 07.9

Date and Station	Phase (GCT)
	h m s
APR 10	
TUC E(P)	17 30 56.0
APR 10	
KIP EP	17 44 16.5
APR 10	
BOZ EP	17 52 24.2
APR 10	
BOZ EP	17 56 44.0
APR 10	
BRW EP	17 58 43.8
APR 10	
BOZ EP	18 42 53.9
APR 10	
SJG EP	19 16 20.0
E	16 27.2
APR 10	
AMC IP	19 19 31.6
IS	19 37.1
APR 10	
BOZ EP	19 24 29.8
APR 10	
EUR EP	19 27 27.6
APR 10	
H-19 43 23.2	
15.8S 172.0W	
h ABOUT 43KM	
TUC E(P)	19 55 06.3
EUR IP	19 55 07.5
BOZ EP	19 55 39.5
E	55 53.0
COL IP	19 55 42.5
I	56 10.2
APR 10	
H-21 21 27.3	
37.3N 071.9E	
h ABOUT 136KM	
COL EP	21 32 46.0
E▸P	33 19.3
APR 10	
H-22 32 46.6	
17.8S 178.8W	
h ABOUT 543KM	
KIP EP	22 40 06.2
F	42 44.0
ESCP	44 46.9
ES	46 02.0
ESS	49 41.0
HON EP	22 40 08.0
E	42 46.0
ESCP	44 48.0
ES	46 00.0
ESS	49 32.0
GUA EP	22 40 33.8
ES	46 52.8

Date and Station	Phase (GCT)
	h m s
AMC EP	22 42 55.9
SHY EP	22 43 06.2
UKI E(P)	22 43 44.5
BCN EP D	22 44 05.3
E▸P	46 07.3
E▪P	47 19.7
SIT I(P)	22 44 07.0
TUC IP	22 44 11.5
E▸P	46 12.3
ESKPP'	23 13 23.1
SIT E(P)	22 44 15.2
SLC IP	22 44 26.6
COL IP C	22 44 27.0
I▸P	46 27.3
EPP	47 57.5
ESKS	54 05.7
ALQ IP	22 44 32.5
BUT IP D	22 44 36.2
E▸P	46 38.3
EPP	48 09.3
ES	54 15.3
HHM IP	22 44 36.3
E▸P	46 39.3
EL	23 09 16.3
BOZ IP D	22 44 37.2
I▸P	46 39.2
I▪P	47 32.0
EPP	48 00.0
ES	54 20.0
E(SS)	23 00 16.0
BRW EP	22 44 48.1
E▸P	46 55.3
RCD EP	22 45 00.5
ESKS	54 40.0
SJG EP'	22 50 29.5
EPP	51 44.5
E	52 18.3
ESKS	56 35.5
APR 10	
H-22 53 04.8	
13.4S 170.3E	
h ABOUT 644KM	
GUA IP	22 59 22.0
IS	23 04 23.0
KIP IP	23 00 39.4
ES	06 44.0
HON EP	23 00 40.0
E▪P	03 34.0
E	05 28.0
ES	06 45.0
COL EP	23 04 29.0
E▸P	06 43.5
E(SKS)	14 03.7

Date and Station	Phase (GCT)
	h m s
BCN EP	23 04 40.8
IPCP	04 43.0
I	06 24.5
BRW EP	23 04 47.1
TUC EP	23 04 51.0
HHM EP	23 05 02.3
BOZ EP	23 05 04.0
F▸P	07 24.0
SJG EP'	23 10 56.0
E▸P'	13 14.0
APR 10	
SHY EP	23 13 15.7
IS	13 37.5
AMC EP	23 13 20.9
IS	13 44.8
APR 10	
BCN EP	23 31 09.3
F	31 49.0
EL	32 01.0
TUC E(P)	23 31 13.8
APR 10	
BCN EP	23 39 02.5
E	39 42.0
EL	39 54.5
TUC E(P)	23 39 12.0
APR 11	
AMC IP	00 01 34.8
IS	01 40.9
APR 11	
TUC E(P)	00 09 40.2
APR 11	
H-00 11 08.8	
42.7S 173.9E	
h ABOUT 7KM	
GUA E(P)	00 21 30.1
E	21 40.0
KIP IP	00 22 15.5
I▸P	22 24.4
HON IP	00 22 15.9
I▸P	22 25.0
EL	42 52.0
TUC E(P)	00 25 04.7
EPP	29 11.0
EPKKP	41 12.0
EUR E(P)	00 25 25.6
EP'	29 16.4
EPKKP	41 13.5
BUT EP'	00 29 38.0
HHM EP'	00 29 42.3
EPKKP	40 40.8
COL EP'	00 29 42.4

Date and Station	Phase	(GCT)
		h m s
ALQ IP'		00 29 46.5
SJG EP'		00 30 07.2
	E	30 16.9
WSC EP'		00 30 13.9
APR 11		
COL EP		00 25 51.0
APR 11		
BCN E(P)		00 29 35.7
	E	30 17.0
	EL	30 27.5
APR 11		
H-00 46 44.5		
32.7N 115.5W		
h ABOUT 17KM		
BCN EP		00 47 38.2
	I	47 48.0
	IL	48 25.0
TUC EP		00 47 47.0
EUR IP		00 48 26.3
	ES	49 41.9
	IL	50 19.3
ALQ EP		00 48 46.0
APR 11		
H-01 16 09.6		
28.8N 043.2W		
h ABOUT 033KM		
EUR EP		01 26 19.4
APR 11		
AMC EP		01 24 34.8
APR 11		
TUC E(P)		01 27 15.6
APR 11		
H-01 32 42.0		
32.0N 115.6W		
h ABOUT 33KM		
BCN EP		01 33 43.9
	I	33 50.5
	IS	34 29.0
TUC E(P)		01 33 44.5
EUR EP		01 34 30.4
	I	34 52.7
	E(S)	35 46.6
APR 11		
ALQ EP		01 35 13.6
APR 11		
AMC IP		01 42 17.1
	IS	42 34.6
APR 11		
KIP EP		01 54 38.0
	ES	54 44.1
HON EP		01 54 39.9
	ES	54 44.5

Date and Station	Phase	(GCT)
		h m s
APR 11		
COL EP		02 08 09.0
APR 11		
H-02 10 42.0		
30.6S 178.1W		
h ABOUT 68KM		
EUR EP		02 23 38.4
	EpP	23 55.1
APR 11		
BCN E(P)		02 22 27.5
	E	22 31.1
	E	23 11.0
	IL	23 23.0
TUC E(P)		02 22 31.3
APR 11		
BCN E(P)		02 25 03.5
	EL	25 52.0
APR 11		
TUC E(P)		02 33 45.5
APR 11		
EUR EP		02 57 39.0
APR 11		
AMC IP		03 12 22.5
	IS	12 40.4
APR 11		
H-03 59 25.0		
31.7N 114.1W		
h ABOUT 33KM		
TUC EP		04 00 10.1
BCN E(P)		04 00 31.0
	E	00 55.2
	IL	01 58.5
EUR EP		04 01 22.6
	E(S)	02 44.1
APR 11		
ALQ E(P)		04 01 38.8
APR 11		
TUC E(P)		04 04 47.0
BCN E(P)		04 05 14.0
	E	05 35.5
	EL	06 25.7
APR 11		
TUC E(P)		04 17 50.5
APR 11		
GUA IP		04 48 36.0
	E(S)	48 38.7
APR 11		
H-04 59 39.3		
19.8N 109.2W		
h ABOUT 33KM		
TUC IP D		05 02 38.7
	ES	05 04.0
ALQ IP		05 03 15.3

Date and Station	Phase	(GCT)
		h m s
BCN EP D		05 03 35.8
EUR IP		05 04 16.6
SLC EP		05 04 22.4
RCD EP		05 05 01.0
	E	05 11.5
	E(S)	09 25.0
BOZ EP		05 05 09.1
	ES	09 44.0
	EL	13 00.0
BUT E(P)		05 05 10.0
HHM EP		05 05 34.3
SJG EP		05 07 17.6
COL IP		05 08 45.4
BRW E(P)		05 09 32.0
APR 11		
H-05 41 55.7		
36.4N 121.3W		
h ABOUT 15KM		
EUR EP		05 43 16.9
	I	43 34.1
	IL	44 30.4
BCN E(P)		05 43 22.0
	E	43 38.0
	EL	44 40.0
APR 11		
TUC E(P)		06 42 56.8
APR 11		
BCN EP		06 50 15.0
	EL	51 00.0
TUC E(P)		06 50 31.0
APR 11		
SJG EP		09 42 37.5
APR 11		
SJG EP		10 23 05.5
	E	23 15.2
APR 11		
COL EP		10 56 55.0
APR 11		
H-11 09 33.9		
51.7N 172.5E		
h ABOUT 35KM		
SHY E(P)		11 09 57.2
	E(S)	10 13.7
BRW IP		11 14 46.0
COL EP		11 14 48.0
	E	14 59.5
BOZ EP		11 18 13.0
	EpP	18 24.0
EUR IP		11 18 24.0
	E(pP)	18 35.5

Date and Station	Phase	(GCT)
		h m s
APR 11		
BCN EP		11 29 35.5
	EL	30 20.0
TUC E(P)		11 30 09.0
APR 11		
H-12 46 31.1		
19.7N 108.9W		
h ABOUT 33KM		
TUC EP		12 49 32.0
BCN EP		12 50 29.5
EUR IP		12 51 10.6
	E	51 34.2
BOZ E(P)		12 52 01.0
SJG EP		12 54 09.5
BRW EP		12 56 24.7
APR 11		
AMC EP		12 51 52.5
SHY IP		12 51 55.0
	IS	52 17.4
APR 11		
COL IP		12 56 21.0
APR 11		
COL IP		13 11 14.5
APR 11		
GUA E(P)		13 14 12.2
APR 11		
EUR EP		13 25 21.8
BOZ EP		13 25 27.0
APR 11		
H-13 25 46.0		
22.0S 175.3W		
h ABOUT 33KM		
BCN EP		13 38 01.4
TUC EP		13 38 04.1
EUR IP		13 38 07.7
ALQ I(P)		13 38 27.2
BOZ EP		13 38 37.0
COL EP		13 38 40.7
APR 11		
H-13 43 50.3		
9.8S 161.4E		
h ABOUT 61KM		
COL EP		13 56 12.0
BRW EP		13 56 23.6
EUR EP		13 56 48.6

Date and Station	Phase (GCT)
	h m s
APR 11	
H-14 27 44.7	
29.4N 104.5E	
h ABOUT 33KM	
BRW IP	14 38 23.7
COL EP	14 38 59.0
HHM EP	14 41 08.3
APR 11	
COL EP	14 31 53.6
APR 11	
COL EP	14 43 10.6
APR 11	
BOZ E(P)	14 43 11.0
APR 11	
TUC E(P)	15 51 18.3
ES	51 45.4
APR 11	
BCN EP	16 19 41.4
E	20 01.5
EL	20 59.2
APR 11	
H-16 53 53.9	
11.5S 166.1E	
h ABOUT 75KM	
COL EP	17 06 12.0
BRW EP	17 06 26.8
BCN EP	17 06 38.0
EUR EP	17 06 38.4
TUC E(P)	17 06 48.5
BOZ E(P)	17 07 00.0
E	07 16.0
APR 11	
H-17 01 32.6	
30.8S 177.9W	
h ABOUT 040KM	
EUR EP	17 14 32.3
E	14 48.1
BCN EP	17 14 41.6
COL E(P)	17 15 14.5
E	15 23.5
APR 11	
H-17 03 45.8	
30.7S 178.1W	
h ABOUT 67KM	
KIP IP	17 13 15.0
BCN EP	17 16 36.0
E	16 48.7
TUC EP C	17 16 38.1
EUR I(P)	17 16 43.0
BOZ EP	17 17 11.0
COL EP	17 17 15.0
APR 11	
BOZ EP	17 33 52.5
APR 11	
H-18 51 38.1	
26.2S 178.5E	
h ABOUT 581KM	
KIP IP	18 59 59.8
I▸P	19 01 47.8
BCN EP	19 03 29.5
E	03 39.2
E▸P	05 35.0
TUC EP	19 03 33.7
E	03 43.5
E▸P	05 36.1
EUR IP	19 03 35.1
E▸P	05 38.8
SLC IP	19 03 51.0
ALQ IP	19 03 53.5
COL EP	19 03 55.0
E▸P	06 02.7
FGU IP	19 03 57.5
BUT EP	19 04 00.5
E▸P	06 01.5
BOZ EP	19 04 02.0
HHM EP	19 04 02.0
BRW EP	19 04 16.6
SJG IP'C	19 09 24.0
E▸P'	11 34.0
APR 11	
BOZ EP	20 13 45.5
APR 11	
BUT EP	20 42 24.1
IL	42 45.6
APR 11	
COL EP	20 54 15.0
BRW EP	20 55 36.0
APR 11	
H-22 33 05.9	
26.7N 092.3E	
h ABOUT 70KM	
BRW IP	22 44 20.6
COL IP	22 44 56.6
APR 11	
BUT EP	22 55 28.1
E	55 35.3
APR 11	
H-23 48 53.1	
06.1S 106.8W	
h ABOUT 033KM	
EUR EP	23 57 18.4
APR 12	
BCN EP	00 00 19.0
EL	00 53.8
TUC E(P)	00 00 21.6
EUR EP	00 01 03.9
ALQ E(P)	00 01 26.0
APR 12	
BCN E(P)	00 32 11.0
EL	33 04.0
APR 12	
BOZ EP	00 37 00.0
E	37 10.0
APR 12	
H-00 43 04.4	
3.5N 077.3W	
h ABOUT 178KM	
SJG E(P)	00 47 15.6
ALQ E(P)	00 50 38.0
APR 12	
BCN EP	01 15 42.5
E	16 12.0
APR 12	
SHY EP	01 37 28.8
ES	37 47.9
APR 12	
COL EP	01 42 14.0
APR 12	
H-01 44 54.9	
51.2N 175.7E	
h ABOUT 30KM	
SHY EP	01 45 26.5
ES	45 49.9
COL EP	01 50 00.0
BOZ E(P)	01 53 21.0
EUR EP	01 53 31.3
TUC E(P)	01 54 30.3
APR 12	
EUR EP	01 45 55.0
APR 12	
SJG EP	02 47 31.2
APR 12	
H-03 59 40.2	
56.6N 152.7W	
h ABOUT 33KM	
COL IP	04 01 43.3
IS	03 18.6
BRW EP	04 03 09.6
HHM EP	04 04 59.7
BUT EP	04 05 21.2
BOZ EP	04 05 26.1
EUR IP	04 05 44.2
I	06 11.9
BCN EP	04 06 11.0
RCD EP	04 06 17.0
E	06 44.0
TUC E(P)	04 06 54.2
ALQ E(P)	04 06 56.0
ALQ I(P)	04 06 56.5
SJG EP	04 11 10.0
APR 12	
TUC E(P)	04 21 00.5
APR 12	
H-04 36 11.6	
52.7N 167.4W	
h ABOUT 16KM	
COL EP	04 39 54.0
HHM EP	04 42 52.7
EPCP	45 30.7
BOZ EP	04 43 16.0
E	43 28.0
EPCP	45 40.0
EUR IP	04 43 25.4
EPCP	45 43.6
BCN EP	04 43 50.5
E	44 18.0
TUC EP	04 44 29.5
ALQ IP	04 44 35.5
SJG EP	04 48 33.2
APR 12	
H-04 43 10.0	
52.7N 167.5W	
h ABOUT 22KM	
COL EP	04 46 52.0
HHM EP	04 49 48.2
BOZ EP	04 50 14.0
EUR IP	04 50 22.8
I	50 34.3
BCN EP	04 50 47.5
TUC E(P)	04 51 26.0
SJG EP	04 55 32.0

Date and Station	Phase	Phase (GCT) h m s
APR 12		
BRW	IP	04 50 49.0
APR 12		
SJG	EP	05 51 14.0
	EL	51 57.0
APR 12		
SJG	EP	06 00 35.0
APR 12		
TUC	E(P)	06 18 23.0
APR 12		
H-08 41 52.2		
36.7N 118.0W		
h ABOUT 15KM		
BCN	EP	08 42 34.0
	I	42 38.2
	IL	43 11.0
EUR	EP	08 42 43.5
	IS	43 21.0
APR 12		
H-08 51 16.7		
32.5S 178.1W		
h ABOUT 22KM		
BCN	EP	09 04 19.2
TUC	EP	09 04 19.4
EUR	E(P)	09 04 25.6
APR 12		
H-09 11 49.5		
53.5N 164.7W		
h ABOUT 35KM		
COL	E(P)	09 15 07.0
BRW	EP	09 16 02.0
EUR	I(P)	09 18 46.1
BCN	EP	09 19 12.0
TUC	E(P)	09 19 51.5
APR 12		
BRW	EP	10 34 14.8
APR 12		
BRW	EP	10 37 28.0
APR 12		
BRW	E(P)	11 30 30.5
COL	EP	11 30 52.0
HHM	EP	11 33 25.6
BOZ	IP	11 33 43.0
	I	33 57.0
EUR	IP	11 33 50.1
	I	34 01.3
APR 12		
TUC	E(P)	12 20 46.5
	E	22 53.8
EUR	EP	12 22 40.8
APR 12		
HHM	IP C	12 27 01.8
	IL	27 17.8
BUT	IP	12 27 07.3
	IL	27 26.5
BOZ	EP	12 27 11.5
	I	27 16.5
	IL	27 43.0
BZM	E(P)	12 27 19.3
APR 12		
SHY	I(P)	12 29 58.0
APR 12		
SHY	E(P)	13 47 47.2
APR 12		
SHY	I(P)	15 48 44.5
APR 12		
H-15 50 39.8		
36.0N 139.5E		
h ABOUT 77KM		
BRW	EP	15 59 11.7
	E	59 23.0
COL	EP	15 59 33.0
HHM	EP	16 02 06.8
BUT	E(P)	16 02 11.0
BOZ	IP	16 02 23.0
	E	02 36.0
EUR	IP	16 02 30.4
BCN	EP	16 02 45.0
TUC	EP	16 03 11.1
APR 12		
BOZ	EP	15 56 56.0
EUR	EP	15 57 06.8
APR 12		
H-17 26 57.8		
15.2S 175.7W		
h ABOUT 118KM		
BCN	EP	17 38 40.0
EUR	E(P)	17 38 46.7
TUC	E(P)	17 38 47.1
COL	EP	17 39 06.0
FGU	E(P)	17 39 10.0
BOZ	EP	17 39 13.0
HHM	EP	17 39 13.8
BUT	EP	17 39 14.0
BRW	EP	17 39 27.9
APR 12		
H-17 34 23.0		
51.3N 178.0E		
h ABOUT 35KM		
AMC	IP	17 34 38.1
	IS	34 50.1
BOZ	EP	17 42 40.0
EUR	IP	17 42 48.1
APR 12		
ALQ	IP	17 36 23.5
	I	39 12.4
APR 12		
SHY	E(P)	17 43 30.6
APR 12		
HON	EL	17 43 52.0
APR 12		
COL	EP	17 57 26.0
APR 12		
BOZ	E(P)	19 17 41.0
APR 12		
H-19 36 41.7		
26.5S 070.8W		
h ABOUT 52KM		
SJG	EP	19 44 48.9
	EPCP	46 36.5
TUC	EP	19 47 48.5
	EPP	48 03.6
ALQ	IP	19 47 49.4
GCA	IP	19 48 15.1
BCN	EP	19 48 19.0
	EPP	48 33.1
FGU	IP	19 48 25.8
RCD	IP	19 48 27.0
	EPP	48 42.0
EUR	IP	19 48 37.3
	E(PP)	48 50.1
	F	49 01.5
BOZ	IP D	19 48 50.9
	EPP	49 05.0
BUT	IP	19 48 55.5
	IPP	48 09.5
HHM	IP	19 49 07.9
	IPP	49 23.0
APR 12		
TUC	E(P)	20 23 55.0
APR 12		
H-20 26 15.3		
32.3S 178.5W		
h ABOUT 167KM		
TUC	E(P)	20 38 59.2
	I	39 02.3
BCN	EP	20 39 00.5
EUR	EP	20 39 06.9
	EPP	39 48.8
APR 12		
H-20 41 16.3		
30.2N 138.5E		
h ABOUT 421KM		
BRW	IP	20 49 58.2
	IPP	51 25.6
	ESCP	54 13.6
COL	IP	20 50 15.2
	EPP	51 41.0
	E(SP)	52 20.5
HHM	IP C	20 52 34.1
	IPP	54 10.9
	I	54 30.4
	E(S)	21 02 03.0
BUT	IP	20 52 45.6
	I	54 09.6
	IPP	54 19.6
BOZ	IP	20 52 48.2
	IPP	54 23.0
	ESKS	21 02 24.0
EUR	IP	20 52 53.3
	EPP	54 28.9
	EPP	56 04.3
	ESKS	21 02 30.9
SLC	IP	20 53 02.8
BCN	IP C	20 53 06.6
	PP	56 29.5
	PKKP	21 11 13.5
FGU	IP	20 53 09.8
GCA	IP	20 53 13.6
RCD	IP	20 53 17.0
	E	53 30.0
TUC	IP C	20 53 29.5
	E(PP)	57 04.1
ALQ	IP	20 53 35.5
	IPP	57 14.5
APR 12		
H-21 04 44.2		
17.7S 178.7W		
h ABOUT 600KM		
EUR	E(P)	21 16 02.4
TUC	EP	21 16 04.5
APR 12		
SHY	E(P)	21 21 56.6
	E(S)	22 08.1
APR 12		
BRW	EP	21 26 47.8
COL	EP	21 26 50.3

Date and Station	Phase (GCT)
	h m s
BOZ EP	21 30 16.0
EUR EP	21 30 32.5
APR 12	
H-21 27 58.8	
32.6S 178.0W	
h ABOUT 33KM	
TUC E(P)	21 41 00.0
BCN EP	21 41 01.0
EUR EP	21 41 05.4
APR 12	
BOZ EP	21 33 23.0
E	34 26.0
APR 12	
BRW EP	21 34 43.0
COL IP	21 35 08.6
HHM E(P)	21 37 54.9
E	39 30.9
BOZ IP	21 38 12.9
I	39 53.0
APR 12	
SHY I(P)	21 40 16.0
E(S)	40 24.9
APR 12	
SHY E(P)	21 58 00.1
E(S)	58 17.7
APR 12	
SHY E(P)	22 07 42.5
APR 12	
SJG EP	23 00 17.5
I	00 21.2
APR 13	
COL EP	00 21 58.7
APR 13	
H-00 28 20.3	
51.6N 173.3E	
h ABOUT 50KM	
SHY IP	00 28 41.9
E(S)	29 03.0
COL E(P)	00 33 30.0
EUR IP	00 37 05.0
APR 13	
H-01 17 30.8	
13.9N 092.0W	
h ABOUT 33KM	
EUR EP	01 24 06.2
APR 13	
EUR IP	01 59 08.5
APR 13	
TUC E(P)	02 02 01.0
E	02 23.5

Date and Station	Phase (GCT)
	h m s
APR 13	
H-03 50 25.8	
36.5N 139.5E	
h ABOUT 76KM	
COL EP	03 59 17.0
EUR EP	04 02 14.4
TUC EP	04 02 55.0
APR 13	
EUR IP	04 01 34.5
APR 13	
COL EP	04 18 46.0
APR 13	
COL EP	04 40 31.5
APR 13	
H-04 46 43.4	
09.7N 084.4W	
h ABOUT 33KM	
TUC E(P)	04 53 19.6
EUR E(P)	04 54 25.5
APR 13	
HHM EP	05 01 54.9
APR 13	
H-05 22 36.2	
51.5N 177.0E	
h ABOUT 33KM	
AMC EP	05 23 00.4
IS	23 21.2
COL E(P)	05 27 37.0
HHM EP	05 30 35.4
BOZ IP	05 30 56.5
IpP	31 06.9
EUR IP	05 31 06.5
APR 13	
H-07 28 43.8	
15.7S 168.2E	
h ABOUT 21KM	
COL EP	07 41 24.0
EUR IP	07 41 40.7
APR 13	
COL EP	07 35 19.0
APR 13	
SJG IP C	07 44 02.0
IS	44 15.0
APR 13	
H-07 59 01.0	
46.9N 113.1W	
h ABOUT 33KM	
BUT IP	07 59 17.7
IL	59 29.7

Date and Station	Phase (GCT)
	h m s
HHM IP	07 59 27.1
ES	59 50.1
BOZ IP D	07 59 27.1
I	59 29.5
IS	59 50.0
BZM EP	07 59 31.7
I	59 34.6
APR 13	
AMC EP	08 00 38.3
APR 13	
RCD EP	08 01 17.0
EUR EP	08 01 22.9
APR 13	
H-09 35 46.0	
30.3N 105.1W	
h ABOUT 33KM	
ALQ IP	09 37 03.6
I	38 02.0
TUC E(P)	09 37 22.4
APR 13	
COL E(P)	10 04 44.0
APR 13	
H-13 14 22.1	
38.9N 117.7W	
h ABOUT 33KM	
EUR IP	13 14 44.8
BCN EP	13 15 18.5
I	15 30.0
IL	16 21.5
UKI E(P)	13 15 34.0
SLC E(P)	13 15 55.9
GCA E(P)	13 16 00.0
FGU E(P)	13 16 01.5
E	16 05.2
BOZ E(P)	13 16 21.0
TUC E(P)	13 16 25.7
E	19 01.9
ALQ I(P)	13 16 57.4
I	19 51.0
HHM E(P)	13 17 01.0
E	19 21.0
APR 13	
BUT EP	13 18 33.9
APR 13	
H-15 23 06.0	
51.5N 172.1E	
h ABOUT 35KM	
AMC EP	15 24 12.1
IS	24 59.1
BRW IP	15 28 20.5

Date and Station	Phase (GCT)
	h m s
COL EP	15 28 23.0
HHM FP	15 31 26.2
E(pP)	31 39.0
E	32 04.0
BOZ EP	15 31 48.0
EpP	33 00.0
EUR IP	15 31 58.5
E(pP)	32 09.0
EPCP	33 18.1
BCN EP	15 32 20.0
EpP	32 30.7
TUC EP	15 32 56.1
ALQ IP	15 33 02.0
APR 13	
COL IP	17 12 56.2
APR 13	
H-17 22 38.6	
26.8S 175.9W	
h ABOUT 33KM	
BCN EP	17 35 13.0
TUC EP	17 35 15.0
EUR IP	17 35 18.7
ALQ IP	17 35 35.6
BUT FP	17 35 45.6
BOZ IP	17 35 48.5
COL EP	17 35 54.0
APR 13	
H-17 45 27.2	
51.6N 159.4E	
h ABOUT 33KM	
COL EP	17 51 32.0
HHM FP	17 54 44.2
BOZ E(P)	17 55 01.0
EUR FP	17 55 14.6
E	55 24.9
BCN F	17 55 52.0
RCD E(P)	17 55 44.5
TUC E(P)	17 56 20.0
APR 13	
H-17 55 32.9	
50.7N 177.2E	
h ABOUT 32KM	
AMC IP	17 55 58.2
IS	55 16.1
COL EP	18 00 36.0
BRW IP	18 00 44.3

Date and Station	Phase (GCT)
	h m s
HHM IP	18 03 33.1
I	03 51.1
BOZ IP	18 03 54.8
FUR IP	18 04 03.2
EPCP	05 42.5
BCN EP	18 04 26.0
TUC EP	18 05 01.5
APR 13	
TUC EP	18 03 14.7
APR 13	
FUR FP	19 02 56.1
APR 13	
HHM E(P)	19 03 03.1
E	05 22.6
APR 13	
TUC E(P)	19 56 38.0
APR 13	
H-20 30 09.9	
51.4N 174.1E	
h ABOUT 033KM	
COL E(P)	20 35 21.5
EUR EP	20 38 53.5
APR 13	
H-20 42 59.6	
15.4N 104.8W	
h ABOUT 33KM	
TUC E(P)	20 47 06.8
ALQ IP	20 47 28.2
BCN EP	20 48 00.3
FUR IP	20 48 32.5
BOZ EP	20 49 13.0
APR13	
AMC IP	20 58 15.0
IS	58 20.6
APR 13	
H-21 06 13.5	
51.4N 178.3E	
h ABOUT 43KM	
AMC EP	21 06 25.7
IS	06 36.9
COL EP	21 11 05.0
HHM EP	21 14 05.1
BOZ EP	21 14 26.5
EUR EP	21 14 35.5
APR 13	
BOZ E(P)	21 13 02.0
APR 13	
COL E(P)	21 20 30.5

Date and Station	Phase (GCT)
	h m s
APR 13	
H-22 37 20.3	
15.4N 104.8W	
h ABOUT 33KM	
ALQ E(P)	22 40 45.6
TUC E(P)	22 41 26.5
EUR EP	22 42 53.2
APR 13	
EUR IP	22 53 26.2
APR 13	
H-23 22 57.2	
54.2N 163.4W	
h ABOUT 36KM	
COL EP	23 26 06.7
EUR IP	23 29 47.4
IpP	29 57.1
BCN EP	23 30 13.0
TUC EP	23 30 53.6
E(pP)	31 06.0
APR 14	
KIP E(P)	00 03 49.0
APR 14	
COL EP	00 46 11.0
APR 14	
EUR IP	00 50 13.9
BCN EP	00 50 40.0
APR 14	
AMC E(P)	01 48 49.9
APR 14	
FUR EP	01 56 53.1
BCN EP	01 57 04.8
APR 14	
AMC E(P)	02 17 43.8
APR 14	
SLC EP	02 18 20.6
APR 14	
H-02 46 14.7	
46.3N 152.6E	
h ABOUT 33KM	
COL IP	02 53 20.3
BOZ EP	02 56 36.0
E	56 51.0
EUR IP	02 56 45.3
E	56 58.3
TUC E(P)	02 57 34.6
APR 14	
AMC E(P)	02 52 21.5

Date and Station	Phase (GCT)
	h m s
APR 14	
AMC EP	03 51 47.3
IS	52 05.2
APR 14	
H-04 52 35.7	
18.7N 107.8W	
h ABOUT 33KM	
ALQ EP	04 56 24.0
BCN EP	04 56 48.5
EUR EP	04 57 27.0
APR 14	
TUC E(P)	06 16 21.0
APR 14	
COL E(P)	06 36 26.5
APR 14	
COL EP	06 57 13.0
APR 14	
H-07 35 39.4	
56.3N 153.5W	
h ABOUT 27KM	
COL I(P)	07 37 49.3
HHM EP	07 41 03.9
E	44 44.8
BUT E(P)	07 41 14.6
BOZ E(P)	07 41 29.0
E	44 52.0
EUR EP	07 41 46.1
EpP	41 53.4
BCN EP	07 42 14.5
EpP	42 21.5
RCD EP	07 42 19.0
E	42 31.0
TUC EP	07 42 57.0
EpP	43 05.0
ALQ IP	07 42 58.8
SJG EP	07 47 12.2
APR 14	
TUC E(P)	08 05 28.0
APR 14	
AMC I(P)	08 13 02.4
APR 14	
KIP E(P)	08 18 58.0
APR 14	
COL EP	08 25 24.5
APR 14	
H-08 23 34.7	
01.2S 078.8W	
h ABOUT 59KM	

Date and Station	Phase (GCT)
	h m s
SJG EP	08 28 34.5
EpP	28 41.5
EsP	28 46.0
TUC E(P)	08 31 46.4
RCD EP	08 32 26.0
BCN EP	08 32 26.6
E	33 53.8
EUR IP	08 32 48.2
E	33 17.5
BOZ IP	08 33 02.0
COL EP	08 35 51.0
APR 14	
COL EP	08 29 29.0
APR 14	
HHM EP	08 32 42.4
APR 14	
BCN E(P)	09 56 50.5
APR 14	
H-10 04 35.1	
04.2S 153.1E	
h ABOUT 107KM	
COL EP	10 16 39.8
APR 14	
H-10 18 49.2	
18.1N 094.1W	
h ABOUT 106KM	
ALQ IP	10 23 16.0
TUC EP	10 23 22.5
BCN EP	10 24 11.7
F	24 21.5
SJG EP	10 24 16.0
F	24 28.5
RCD E(P)	10 24 23.0
EUR IP	10 24 38.1
BOZ E(P)	10 24 53.0
COL IP	10 28 37.0
APR 14	
H-10 47 01.8	
31.6S 067.5W	
h ABOUT 29KM	
ALQ IP	10 58 46.4
TUC E(P)	10 58 54.0
EUR EP	10 59 30.9
BOZ E(P)	10 59 52.0
APR 14	
H-10 55 04.2	
51.6N 159.5E	
h ABOUT 24KM	

Date and Station	Phase (GCT)
	h m s
COL FP	11 01 11.0
FUR EP	11 04 52.6
BCN E(P)	11 05 23.0
E	05 33.0
APR 14	
H-11 49 21.9	
32.5S 178.0W	
h ABOUT 33KM	
TUC E(P)	12 02 23.0
FUR EP	12 02 28.6
APR 14	
AMC IP	11 49 44.5
IS	50 07.1
APR 14	
AMC EP	12 19 24.8
F(S)	20 08.5
APR 14	
COL EP	12 21 49.8
APR 14	
AMC FP	12 51 27.6
IS	51 48.5
SHY FP	12 51 27.6
ES	51 49.3
APR 14	
COL EP	13 08 15.0
APR 14	
H-13 14 00.1	
37.3N 116.5W	
h ABOUT 000KM	
BCN IP C	13 14 34.5
IS	14 51.4
EUR IP	13 14 39.1
GCA EP	13 15 03.4
SLC E(P)	13 15 21.1
E	15 37.0
TUC FP	13 15 43.0
EL	17 36.0
FGU FP	13 15 43.5
ALQ IP	13 16 05.8
BOZ EP	13 16 18.5
EL	19 00.0
BUT EP	13 16 18.5
COL EP	13 20 40.0
APR 14	
FUR E(P)	13 25 23.7
APR 14	
BCN FP	13 29 20.5

Date and Station	Phase (GCT)
	h m s
APR 14	
BCN F(P)	14 12 59.3
EL	13 38.5
APR 14	
BCN IP	14 46 06.3
IS	46 07.5
APR 14	
EUR EP	16 39 20.9
EL	39 46.7
APR 14	
COL EP	16 49 10.0
APR 14	
AMC E(P)	17 40 18.3
APR 14	
H-17 41 43.6	
20.4S 177.8W	
h ABOUT 458KM	
EUR IP	17 53 21.3
TUC EP	17 53 21.7
COL EP	17 53 43.0
BOZ FP	17 53 49.0
APR 14	
BOZ E(P)	18 30 17.0
APR 14	
HHM E(P)	19 10 32.4
FL	11 10.4
APR 14	
BOZ F(P)	21 24 11.0
I	25 48.0
APR 14	
SHY FP	21 50 28.5
ES	50 49.2
APR 14	
BOZ EP	21 59 43.0
APR 14	
H-22 02 38.9	
5.4S 154.1E	
h ABOUT 166KM	
COL IP	22 14 40.0
EUR IP	22 15 37.3
APR 14	
EUR IP	22 35 14.9
EL	35 19.4
BCN E(P)	22 35 53.0
EL	36 44.0
APR 14	
H-22 53 00.2	
15.4S 167.5E	
h ABOUT 126KM	
COL E(P)	23 05 25.0
BCN EP	23 05 44.4
EPP	06 14.5

Date and Station	Phase (GCT)
	h m s
EUR IP	23 05 45.4
F(PP)	06 18.4
SJG EP'	23 11 53.2
APR 14	
BCN IP	23 26 09.9
IS	26 14.5
APR 14	
COL IP	23 32 25.8
E(S)	33 03.3
APR 15	
SJG EP	00 07 09.8
IS	07 40.0
APR 15	
TUC E(P)	01 00 56.0
APR 15	
H-01 21 47.5	
6.9N 073.0W	
h ABOUT 161KM	
SJG IP D	01 24 48.0
ES	27 03.5
EUR EP	01 30 24.7
BOZ EP	01 30 35.0
APR 15	
HHM EP	02 05 54.0
IL	06 17.0
APR 15	
ALQ EP	02 09 03.0
F	09 34.0
APR 15	
EUR IP	02 13 50.9
APR 15	
TUC E(P)	03 52 51.0
E	53 30.5
APR 15	
H-04 33 32.4	
23.7S 179.6W	
h ABOUT 460KM	
TUC FP	04 45 25.5
EUR IP	04 45 26.5
ALQ EP	04 45 44.5
COL EP	04 45 45.0
BOZ EP	04 45 54.0
APR 15	
H-05 09 51.1	
24.9N 122.6E	
h ABOUT 190KM	
COL IP	05 20 27.0
SIT E(P)	05 21 16.5
HHM IP	05 22 38.1
BUT EP	05 22 47.4

Date and Station	Phase (GCT)
	h m s
BOZ IP	05 22 50.1
EUR IP	05 22 58.2
EPP	26 39.6
FGU IP	05 23 10.6
BCN EP	05 23 11.2
TUC E(P)	05 23 33.0
APR 15	
SHY I(P)	05 22 57.9
APR 15	
COL EP	07 17 46.9
APR 15	
H-07 44 38.1	
32.2S 178.5W	
h ABOUT 153KM	
TUC E(P)	07 57 24.5
EUR F(P)	07 57 39.7
APR 15	
TUC E(P)	08 20 26.7
E(L)	21 31.7
APR 15	
H-08 22 47.5	
44.9N 110.3W	
h ABOUT 33KM	
BOZ EP	08 23 06.2
BUT EP	08 23 20.1
FGU E(P)	08 23 49.5
SLC E(P)	08 23 52.4
E	23 57.2
EL	24 56.4
HHM E(P)	08 23 53.6
EL	24 59.6
EUR EP	08 24 27.8
APR 15	
SHY I(P)	08 29 34.2
E(S)	29 50.8
APR 15	
H-08 48 16.3	
50.7N 177.1E	
h ABOUT 033KM	
AMC IP	08 48 41.7
COL EP	08 53 20.0
HHM EP	08 56 16.7
BOZ FP	08 56 38.7
EUR EP	08 56 47.0
APR 15	
GUA IP	08 48 26.6
FS	48 33.2

Date and Station	Phase	(GCT) h m s
APR 15		
ALQ	EP	09 05 52.0
APR 15		
COL	IP	09 05 58.6
APR 15		
GUA	IP	09 13 08.6
	ES	13 16.5
APR 15		
H-09 25 50.3		
51.9N 175.7E		
h ABOUT 057KM		
SHY	IP	09 26 12.1
COL	EP	09 30 51.4
FUR	EP	09 34 16.2
APR 15		
H-10 10 13.8		
5.2S 152.9E		
h ABOUT 105KM		
COL	EP	10 22 22.0
	I	22 45.9
APR 15		
H-12 24 26.4		
28.4N 112.2W		
h ABOUT 33KM		
TUC	EP	12 25 27.1
BCN	E(P)	12 26 21.0
	EL	28 42.0
ALQ	E(P)	12 26 26.0
ALQ	IP	12 26 30.5
	IL	28 51.0
FUR	EP	12 27 14.2
APR 15		
SHY	I(P)	13 00 17.0
	E(S)	00 36.7
APR 15		
H-13 39 21.2		
51.9N 172.2E		
h ABOUT 33KM		
SHY	I(P)	13 39 45.0
	E(S)	40 03.8
COL	IP	13 44 36.0
EUR	EP	13 48 04.9
APR 15		
SJG	EP	14 22 09.5
APR 15		
TUC	E(P)	14 30 44.2
	E	32 28.2
APR 15		
BCN	E(P)	14 31 31.3
	EL	32 29.5

Date and Station	Phase	(GCT) h m s
APR 15		
H-15 12 14.6		
52.8N 172.4E		
h ABOUT 44KM		
SHY	I(P)	15 12 32.5
	E(S)	12 45.6
AMC	E(P)	15 13 23.3
COL	IP	15 17 21.9
BOZ	IP	15 20 50.3
EUR	IP	15 21 02.0
APR 15		
COL	EP	16 47 26.5
APR 15		
SHY	I(P)	17 16 08.5
	E(S)	16 26.0
AMC	EP	17 16 23.6
	IS	16 52.6
APR 15		
GUA	IP	17 31 06.7
	E(S)	31 16.5
APR 15		
AMC	EP	18 01 39.5
APR 15		
EUR	EP	18 36 57.3
APR 15		
HHM	E(P)	19 14 05.7
	EL	14 43.7
APR 15		
H-19 46 34.2		
13.9N 146.4E		
h ABOUT 30KM		
GUA	IP	19 46 59.8
	ES	47 20.4
HHM	EP	19 59 12.7
	E	59 46.7
EUR	E(P)	19 59 26.8
APR 15		
H-20 08 31.8		
34.1N 117.5W		
h ABOUT 15KM		
EUR	IP	20 09 56.4
	IS	10 57.8
	EL	11 22.9
TUC	EP	20 09 59.0
	E	10 23.0
ALQ	IP	20 10 46.2
	I(L)	13 16.4
SLC	E	20 11 06.4
APR 15		
BUT	EP	20 15 06.0

Date and Station	Phase	(GCT) h m s
APR 15		
SJG	EP	21 27 05.0
APR 15		
HHM	EP	21 59 18.5
APR 15		
H-22 09 52.1		
50.2S 113.4E		
h ABOUT 33KM		
COL	EP'	22 29 16.0
EUR	IP'	22 29 26.6
	E	30 36.0
BCN	EP'	22 29 28.5
ALQ	IP'	22 29 33.0
SLC	EP'	22 29 36.6
HHM	EP'	22 29 38.3
BUT	EP'	22 29 39.0
BOZ	EP'	22 29 39.0
APR 15		
SHY	EP	22 21 36.6
	ES	22 01.6
APR 15		
UKI	IP	22 24 07.5
	ES	24 16.8
APR 15		
COL	E(P)	22 46 42.3
APR 15		
HHM	E(P)	23 03 39.8
	E	04 18.8
APR 15		
H-23 39 54.6		
17.6S 173.4W		
h ABOUT 45KM		
BCN	EP	23 51 44.8
TUC	E(P)	23 51 48.0
EUR	EP	23 51 51.2
	E	52 13.8
ALQ	EP	23 52 12.5
FGU	E(P)	23 52 12.5
BOZ	EP	23 52 21.5
COL	IP	23 52 23.2
APR 15		
HHM	EP	23 42 01.8
APR 16		
BRW	IP	00 05 32.7
APR 16		
BOZ	IP	00 09 02.0

Date and Station	Phase	(GCT) h m s
APR 16		
H-00 15 52.3		
22.3S 175.5W		
h ABOUT 120KM		
GUA	IP	00 24 58.5
BCN	EP	00 27 58.0
	E(pP)	28 27.5
TUC	EP	00 28 01.8
EUR	IP	00 28 04.7
	E	28 15.5
SLC	EP	00 28 22.2
ALQ	IP	00 28 24.2
FGU	EP	00 28 29.5
BUT	EP	00 28 33.0
HHM	EP	00 28 35.3
COL	IP	00 28 36.8
APR 16		
SHY	E(P)	00 16 56.5
	E(S)	17 12.3
APR 16		
COL	E(P)	01 21 05.5
APR 16		
BCN	E(P)	01 21 26.3
EUR	IP	01 21 30.9
APR 16		
COL	IP	01 27 13.8
	I	27 34.5
APR 16		
TUC	E(P)	01 27 49.0
	E(L)	28 40.5
APR 16		
COL	EP	01 29 14.2
BRW	EP	01 29 38.3
APR 16		
SHY	EP	01 30 05.4
APR 16		
COL	EP	01 50 17.0
APR 16		
HHM	E(P)	02 04 12.8
	EL	07 22.8
APR 16		
EUR	IP	02 06 29.2
APR 16		
COL	EP	02 27 10.0
APR 16		
SLC	EP	03 04 45.8
APR 16		
BOZ	EP	03 21 46.2

Date and Station	Phase (GCT)
	h m s
APR 16	
SHY E(P)	03 33 32.2
E(S)	33 50.5
APR 16	
H-03 57 55.0	
14.0N 091.8W	
h ABOUT 17KM	
EUR EP	04 04 33.5
APR 16	
BOZ E(P)	04 05 52.5
I	05 56.7
IS	05 06.0
APR 16	
H-04 53 02.8	
14.0N 091.6W	
h ABOUT 75KM	
TUC E(P)	04 58 16.3
BCN EP	04 59 10.0
EUR IP	04 59 35.6
COL EP	05 03 26.0
APR 16	
SHY E(P)	05 40 37.0
E(S)	40 56.7
APR 16	
BRW EP	05 45 09.0
COL EP	05 45 21.0
APR 16	
H-06 25 33.5	
16.3N 099.0W	
h ABOUT 36KM	
TUC EP	06 29 58.0
E	30 14.0
ALQ EP	06 30 02.0
BCN E(P)	06 30 49.5
EUR E(P)	06 31 19.3
BOZ EP	06 31 51.1
COL EP	06 35 28.0
APR 16	
BRW E(P)	06 43 38.2
APR 16	
ALQ E(P)	06 45 56.2
BOZ E(P)	06 46 02.0
APR 16	
COL EP	06 48 09.0
APR 16	
COL E(P)	07 07 06.0
APR 16	
H-08 01 45.6	
66.7N 135.6W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
COL EP	08 03 03.5
E(S)	03 59.5
BRW EP	08 03 55.0
APR 16	
AMC EP	08 07 56.3
APR 16	
BRW E(P)	08 12 24.8
COL EP	08 12 34.0
APR 16	
AMC EP	08 20 48.6
IS	21 06.8
APR 16	
COL E(P)	08 25 23.5
APR 16	
H-09 59 06.2	
20.1S 169.2E	
h ABOUT 62KM	
COL EP	10 12 02.0
BCN EP	10 12 05.2
E	12 17.5
E(sP)	12 27.7
EUR IP	10 12 07.3
E>P	12 23.4
TUC EP	10 12 12.2
BOZ EP	10 12 31.0
APR 16	
H-10 55 41.1	
06.3S 154.7E	
h ABOUT 127KM	
COL EP	11 07 50.0
EUR IP	11 08 44.6
BCN EP	11 08 48.0
APR 16	
H-11 01 52.4	
14.0N 091.5W	
h ABOUT 65KM	
ALQ IP	11 07 11.0
TUC E(P)	11 07 15.2
BCN EP	11 08 00.3
E	08 07.0
E	08 20.0
EUR IP	11 08 26.1
BOZ EP	11 08 47.0
COL EP	11 12 16.0
APR 16	
COL EP	12 46 52.8

Date and Station	Phase (GCT)
	h m s
APR 16	
H-12 51 48.7	
21.7S 068.1W	
h ABOUT 127KM	
BHP EP	12 58 10.0
E(>P)	58 39.0
ALQ IP	13 02 30.5
TUC EP D	13 02 32.5
E>P	03 05.0
BCN EP D	13 03 04.8
E>P	03 36.0
EUR IP	13 03 22.3
EPCP	03 33.9
E>P	03 53.9
EsP	04 06.7
BOZ EP	13 03 33.8
I>P	04 06.0
HHM IP	13 03 51.0
I>P	04 23.5
APR 16	
COL EP	13 08 03.0
APR 16	
COL EP	13 12 39.0
APR 16	
H-13 38 59.8	
13.7N 091.7W	
h ABOUT 78KM	
ALQ EP	13 44 19.0
BCN EP	13 45 08.0
EUR IP	13 45 34.2
BOZ EP)	13 45 55.0
COL EP	13 49 25.0
APR 16	
H-13 48 59.8	
51.1N 162.7E	
h ABOUT 33KM	
COL EP	13 54 56.0
BOZ EP	13 58 23.0
APR 16	
SHY E(P)	13 50 02.6
E(S)	50 12.3
APR 16	
H-14 33 51.9	
50.6N 177.3E	
h ABOUT 38KM	
AMC IP	14 34 15.3
I	34 31.3
SHY EP	14 34 36.0
ES	35 08.4
COL EP	14 38 53.0

Date and Station	Phase (GCT)
	h m s
BRW EP	14 39 02.5
HHM EP	14 41 51.0
E>P	42 03.0
EPCP	43 40.5
BOZ IP D	14 42 13.4
I>P	42 25.0
EUR IP	14 42 21.2
I	42 35.2
BCN EP	14 42 43.5
E	42 51.5
TUC E(P)	14 43 19.3
ALQ EP	14 43 25.8
APR 16	
H-14 51 25.6	
50.7N 177.3E	
h ABOUT 33KM	
AMC IP	14 51 49.8
IS	52 08.1
BOZ EP	14 59 47.0
EUR EP	14 59 57.6
APR 16	
AMC EP	15 14 40.3
APR 16	
BOZ EP	15 47 39.5
E	48 10.0
APR 16	
BOZ E(P)	17 26 34.0
E	27 02.0
E	28 28.0
APR 16	
ALQ IP	17 28 11.8
APR 16	
SHY E(P)	17 33 44.5
E(S)	34 02.4
APR 16	
BOZ EP	18 43 04.5
EUR EP	18 43 16.6
APR 16	
BOZ EP	18 45 37.0
E	46 33.0
APR 16	
TUC EP	21 48 30.6
ES	48 51.7
APR 16	
TUC EP	22 23 38.5
ES	23 57.6
ALQ IP	22 24 09.5
APR 16	
H-22 54 23.5	
31.3S 068.0W	
h ABOUT 151KM	

Date and Station	Phase	(GCT) h m s
ALQ	IP	23 05 51.4
EUR	IP	23 06 35.6
APR 16		
BOZ	E(P)	22 59 32.0
APR 16		
H-23 22 18.6		
64.7N 160.1W		
h ABOUT 5KM		
COL	IP	23 23 37.5
	E	24 01.5
	E(S)	24 32.5
BRW	IP	23 23 59.2
SIT	E(P)	23 25 40.0
AMC	EP	23 26 21.9
SHY	EP	23 26 29.6
HHM	IP	23 28 25.1
	ES	33 20.1
	EL	37 06.1
BOZ	IP D	23 28 51.5
	I(PP)	30 08.0
	ES	34 08.0
	EL	36 16.0
SLC	E(P)	23 29 21.4
EUR	IP	23 29 21.9
	E(S)	35 05.2
RCD	EP	23 29 33.8
	ES	35 19.0
BCN	EP	23 29 50.8
	EL	42 02.0
KIP	EP	23 30 21.6
	EPP	32 11.1
	ES	37 02.0
	EL	40 07.0
HON	EP	23 30 22.8
	EPP	32 12.0
	ES	37 00.0
	EL	40 07.0
ALQ	IP	23 30 25.5
TUC	EP	23 30 28.9
	I	30 31.0
	ES	37 00.0
CHK	EP	23 32 38.0
	E	37 27.2
	ES	40 58.8
GUA	E(P)	23 32 46.0
	E(S)	41 09.0
PHP	I(P)	23 34 09.0
APR 16		
COL	EP	23 43 58.0
BRW	EP	23 44 28.1
APR 17		
H-00 00 29.7		
52.6N 173.1E		
h ABOUT 43KM		
SHY	I(P)	00 00 42.7
AMC	EP	00 01 29.9
	ES	02 12.4
COL	EP	00 05 35.0
HHM	IP	00 08 41.6
EUR	IP	00 09 13.9
TUC	EP	00 10 12.5
	E(pP)	10 24.0
ALQ	EP	00 10 17.5
APR 17		
COL	EP	00 23 45.0
APR 17		
KIP	EP	00 47 48.6
APR 17		
KIP	EP	01 21 25.4
APR 17		
KIP	EP	01 29 59.6
	E	31 15.0
APR 17		
HON	EP	02 18 13.8
	ES	18 48.0
KIP	IP	02 18 15.0
	ES	18 52.0
APR 17		
COL	EP	02 34 15.0
APR 17		
H-02 45 04.8		
07.2S 067.9E		
h ABOUT 33KM		
BOZ	EP'	03 04 31.0
EUR	IP'	03 04 47.6
	ESKP	08 19.2
TUC	EP'	03 04 58.5
BCN	EP'	03 04 58.5
	E	05 06.7
ALQ	EP'	03 04 59.0
APR 17		
EUR	EP	03 00 34.3
ALQ	E(P)	03 00 45.0
APR 17		
H-03 31 23.1		
52.3N 176.6E		
h ABOUT 33KM		
SHY	E(P)	03 31 50.0
	E(S)	32 10.0
AMC	EP	03 31 53.6
COL	EP	03 36 17.0
EUR	EP	03 39 50.2
APR 17		
H-03 37 01.7		
31.3N 137.4E		
h ABOUT 491KM		
COL	EP	03 45 52.5
BOZ	EP	03 48 26.5
EUR	IP	03 48 31.3
APR 17		
H-04 28 17.5		
30.0N 143.6E		
h ABOUT 37KM		
COL	EP	04 37 42.2
HHM	EP	04 40 02.1
	I	40 18.6
EUR	EP	04 40 19.1
	E	40 35.5
APR 17		
TUC	EP	05 54 13.3
APR 17		
H-06 09 11.9		
52.3N 174.2E		
h ABOUT 48KM		
SHY	I(P)	06 09 23.5
AMC	EP	06 10 01.9
	IS	10 40.4
COL	IP	06 14 14.0
EUR	EP	06 17 51.3
APR 17		
TUC	E(P)	06 10 04.3
APR 17		
COL	IP	06 54 37.5
	I(S)	55 37.7
APR 17		
H-07 02 50.1		
14.1N 091.3W		
h ABOUT 033KM		
EUR	E(P)	07 09 28.9
APR 17		
COL	EP	07 27 08.0
APR 17		
SHY	EP	07 48 22.4
	ES	48 43.8
AMC	E(P)	07 48 26.8
APR 17		
COL	EP	10 00 36.0
APR 17		
COL	EP	10 59 37.0
APR 17		
H-11 21 56.5		
50.1N 178.1E		
h ABOUT 33KM		
AMC	EP	11 22 21.1
COL	E(P)	11 27 00.8
BOZ	EP	11 30 15.5
EUR	EP	11 30 28.1
APR 17		
AMC	IP	11 49 31.4
APR 17		
AMC	I(P)	12 16 14.7
	IS	16 32.4
APR 17		
H-12 23 23.4		
52.6N 174.2W		
h ABOUT 35KM		
AMC	EP	12 24 27.1
COL	EP	12 27 39.0
BOZ	E(P)	12 30 00.0
HHM	E(P)	12 30 34.2
	EPCP	32 51.7
EUR	IP	12 31 08.4
BCN	EP	12 31 32.2
	E	31 49.4
TUC	E(P)	12 32 09.0
APR 17		
BOZ	E(P)	12 24 12.0
APR 17		
COL	E(P)	12 29 10.0
APR 17		
SHY	E(P)	12 36 00.4
APR 17		
HHM	E(P)	12 36 16.2
APR 17		
COL	EP	12 40 48.0
APR 17		
AMC	EP	13 23 39.3
	IS	24 00.1
APR 17		
H-13 31 34.1		
35.2N 118.6W		
h ABOUT 33KM		
BCN	IP D	13 32 22.2
	I	32 32.0
	IL	33 17.0

Date and Station	Phase (GCT)
	h m s
EUR EP	13 32 46.5
I	33 01.4
IL	34 02.9
APR 17	
SJG EP	13 36 02.5
E	36 17.4
APR 17	
HHM E(P)	13 55 25.7
E	56 07.2
APR 17	
AMC E(P)	15 11 57.0
IS	12 13.0
APR 17	
TUC EP	15 32 35.6
APR 17	
H-15 51 55.7	
14.5S 173.1W	
h ABOUT 33KM	
TUC E(P)	16 03 39.5
COL IP	16 04 10.9
BOZ EP	16 04 11.0
APR 17	
HHM E(P)	18 15 24.0
IL	15 44.5
APR 17	
SHY E(P)	18 47 51.7
E(S)	48 10.2
APR 17	
H-19 06 14.4	
50.5N 177.1E	
h ABOUT 10KM	
AMC IP	19 06 43.8
IS	07 01.8
COL EP	19 11 22.0
HHM IP	19 14 18.7
BOZ IP	19 14 40.2
EUR IP	19 14 48.1
EPCP	16 19.6
TUC E(P)	19 15 46.3
APR 17	
COL EP	19 42 02.0
APR 17	
HON IP	20 25 10.5
APR 17	
HON IP	21 35 10.1
APR 17	
TUC E(P)	21 49 47.8
E	50 14.0
APR 17	
SHY E(P)	22 01 25.2

Date and Station	Phase (GCT)
	h m s
AMC EP	22 02 16.4
E(S)	03 10.8
APR 17	
COL EP	22 06 12.0
APR 17	
HON IP	22 45 10.6
APR 17	
BOZ EP	22 58 13.5
APR 17	
SHY E(P)	23 39 08.6
APR 18	
SHY E(P)	00 00 54.3
E(S)	01 10.5
APR 18	
AMC IP	00 02 57.9
IS	03 16.2
APR 18	
SHY I(P)	00 11 37.3
E(S)	11 44.7
AMC EP	00 12 16.2
E(S)	12 52.6
APR 18	
COL EP	00 30 28.0
APR 18	
BCN IP	00 47 03.2
IS	47 04.3
APR 18	
EUR EP	01 03 10.3
APR 18	
EUR IP	01 18 34.8
BOZ E(P)	01 18 54.0
APR 18	
COL EP	01 21 51.0
APR 18	
BRW EP	01 32 01.1
APR 18	
COL EP	02 11 56.0
APR 18	
H-02 34 28.7	
24.1S 179.7E	
h ABOUT 466KM	
TUC EP	02 46 24.0
EUR IP	02 46 25.3
COL EP	02 46 47.8
BOZ EP	02 46 52.9
APR 18	
COL EP	03 26 45.0
APR 18	
COL EP	03 30 47.0

Date and Station	Phase (GCT)
	h m s
APR 18	
BOZ EP	03 51 33.0
APR 18	
TUC EP	04 08 37.0
EUR EP	04 08 37.2
COL EP	04 08 58.0
BOZ EP	04 09 05.4
APR 18	
H-04 26 43.2	
21.9S 179.7W	
h ABOUT 598KM	
EUR E(P)	04 38 19.1
APR 18	
COL EP	04 31 30.3
APR 18	
ALQ IP	05 01 22.2
APR 18	
SHY EP	05 15 37.4
ES	16 05.5
APR 18	
SHY EP	05 19 45.4
ES	20 07.0
APR 18	
BRW EP	05 24 26.6
APR 18	
BOZ EP	05 27 46.5
APR 18	
HHM EP	05 35 10.9
APR 18	
SHY EP	05 40 36.5
APR 18	
H-05 44 29.1	
7.6N 082.3W	
h ABOUT 33KM	
BHP IP	05 45 17.0
IS	45 52.0
TUC EP	05 51 31.0
EUR IP	05 52 35.8
BOZ EP	05 52 48.0
HHM EP	05 53 11.8
COL EP	05 55 55.0
APR 18	
BRW EP	05 44 34.5
COL E(P)	05 44 47.9
APR 18	
BOZ E(P)	06 00 32.0
EUR EP	06 00 39.4

Date and Station	Phase (GCT)
	h m s
APR 18	
H-06 33 58.8	
41.5N 127.1W	
h ABOUT 20KM	
UKI E(P)	06 34 55.0
EL	35 44.0
EUR IP	06 36 07.9
IS	37 43.6
EL	38 23.6
BCN EP	06 36 39.5
I	36 41.9
EL	39 46.2
HHM EP	06 36 43.4
EL	39 32.4
SLC EP	06 36 45.2
BOZ EP	06 36 49.0
ES	39 00.0
IL	39 52.0
TUC EP C	06 37 46.0
E	37 56.0
E(S)	40 54.0
ALQ IP	06 38 04.5
RCD EP	06 38 05.0
ES	41 22.0
COL EP	06 39 33.0
F(PCP)	42 57.7
CHK E(P)	06 39 55.7
HON EP	06 40 10.4
ES	43 20.5
EL	47 27.0
BRW EP	06 40 36.8
I▸P	40 43.5
CSC IP	06 41 05.0
ES	46 46.0
WSC E(P)	06 41 15.2
WAS IP	06 41 16.0
E(S)	47 20.0
BHP IP	06 43 16.0
SJG EP	06 43 43.0
I▸P	43 48.9
PHI ES	06 46 38.9
APR 18	
GUA E(P)	06 56 11.0
APR 18	
H-08 06 39.5	
04.7S 151.7E	
h ABOUT 142KM	
GUA EP	08 10 56.0
COL EP	08 18 44.0
E▸P	19 20.5

Date and Station	Phase (GCT)
	h m s
BRW EP	08 18 50.0
EUR IP	08 19 47.8
I>P	20 16.9
BCN E>P	08 20 23.5
APR 18	
H-09 39 18.7	
59.8S 026.8W	
h ABOUT 29KM	
BHP IP	09 51 28.0
SJG EP	09 51 46.0
EPP	55 19.0
TUC EP'	09 57 56.7
EPKKP	10 08 36.5
ALQ EP'	09 57 57.4
EPKKP	10 08 30.5
BCN EP'	09 58 06.0
EPP	59 40.0
E	10 12 17.0
RCD EP'	09 58 08.0
EPKKP	10 08 13.0
EUR IP'	09 58 13.9
EPP	59 50.5
EPKKP	10 08 06.3
ESKKP	11 41.1
BOZ EP'	09 58 17.0
HHM EP'	09 58 23.2
ESKP	10 01 40.5
COL EP'	09 59 02.0
I	59 15.1
BRW EP'	09 59 07.2
APR 18	
GUA EP	10 01 12.0
APR 18	
HON EP	10 40 02.8
APR 18	
COL EP	10 41 17.0
APR 18	
COL IP	11 13 07.4
BRW E(P)	11 13 15.8
APR 18	
H-12 23 05.2	
1.3N 079.7W	
h ABOUT 55KM	
ALQ EP	12 30 51.4
APR 18	
H-12 41 54.9	
59.7S 026.4W	
h ABOUT 25KM	
BHP IP C	12 54 06.0
TUC EP'	13 00 33.5

Date and Station	Phase (GCT)
	h m s
BCN EP'	13 00 45.0
EUR IP'	13 00 50.4
BOZ EP'	13 00 55.0
HHM EP'	13 01 00.8
E(SKP)	04 16.5
BRW EP'	13 01 44.1
COL IP'	13 01 49.7
APR 18	
COL EP	12 54 04.0
APR 18	
RCD EP	13 03 06.0
E	03 38.0
APR 18	
H-13 03 06.2	
11.8N 089.8W	
h ABOUT 33KM	
CSC EP	13 08 14.0
E	08 25.5
ALQ EP	13 08 52.4
TUC E(P)	13 08 56.5
E	11 12.3
BCN EP	13 09 40.7
E	09 44.4
EUR EP	13 10 07.5
BOZ E(P)	13 10 26.0
COL EP	13 13 52.0
APR 18	
H-13 14 04.6	
22.9N 120.5E	
h ABOUT 22KM	
COL EP	13 25 17.0
HHM EP	13 27 23.6
E	27 31.1
APR 18	
HON EP	13 42 14.0
APR 18	
GUA E(P)	13 44 21.0
E(S)	48 36.0
APR 18	
SJG EP	13 45 37.0
IS	45 56.8
APR 18	
COL EP	13 50 23.0
E(S)	51 22.2
BRW EP	13 50 44.3
APR 18	
H-14 08 01.4	
26.9S 176.1W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
BCN EP	14 20 36.5
TUC EP	14 20 37.5
E	20 55.0
EUR IP	14 20 42.3
SLC EP	14 20 59.1
ALQ IP	14 21 00.5
BOZ EP	14 21 11.5
HHM EP	14 21 13.6
COL EP	14 21 15.0
RCD EP	14 21 32.0
APR 18	
TUC EP	14 33 14.0
APR 18	
BHP EP	14 49 14.5
E	49 23.0
APR 18	
EUR IP	15 46 44.1
APR 18	
GUA IP	15 54 18.8
ES	54 27.5
APR 18	
EUR IP	16 08 04.5
APR 18	
TUC E(P)	18 06 06.6
E(S)	06 31.3
APR 18	
COL EP	18 06 43.0
APR 18	
H-18 11 26.5	
20.1N 121.2E	
h ABOUT 39KM	
BRW EP	18 22 26.8
COL EP	18 22 50.0
APR 18	
H-19 05 34.1	
44.3N 114.5W	
h ABOUT 33KM	
BOZ EP	19 06 13.0
I	06 17.1
ES	06 42.0
IL	06 50.0
HHM E(P)	19 06 34.7
EL	07 43.7
EUR EP	19 06 45.8
IL	07 54.9
APR 18	
H-19 27 05.2	
59.8S 026.5W	
h ABOUT 33KM	
EUR EP'	19 45 58.6

Date and Station	Phase (GCT)
	h m s
BRW EP'	19 46 52.7
COL EP'	19 46 58.0
APR 18	
TUC EP	20 04 54.3
ES	05 14.2
APR 18	
TUC E(P)	20 27 33.0
E(S)	28 09.1
APR 18	
EUR EP	20 29 50.3
APR 18	
H-20 35 51.8	
57.3N 157.8W	
h ABOUT 33KM	
COL EP	20 38 03.0
EUR E(P)	20 42 18.1
APR 18	
H-20 49 25.2	
43.9N 127.2W	
h ABOUT 033KM	
EUR EP	20 50 47.3
APR 18	
AMC EP	20 50 21.3
APR 18	
TUC E(P)	20 57 43.6
EUR E(P)	20 58 26.1
APR 18	
H-21 13 37.0	
14.0N 091.8W	
h ABOUT 33KM	
EUR IP	21 20 13.9
COL EP	21 24 04.0
APR 18	
TUC E(P)	21 18 20.8
APR 18	
COL EP	21 48 45.0
APR 18	
H-22 20 27.3	
38.5S 071.1W	
h ABOUT 33KM	
TUC F(P)	22 32 19.7
EUR EP	22 33 12.3
APR 19	
HHM E(P)	23 53 36.0
F	53 52.1
APR 19	
SHY E(P)	00 00 54.3
E(S)	01 10.5
AMC EP	00 01 08.0
IS	01 36.6

Date and Station	Phase (GCT)
	h m s
APR 19	
H-00 17 15.6	
19.4N 108.0W	
h ABOUT 33KM	
TUC E(P)	00 20 21.9
ALQ IP	00 21 00.0
BCN EP	00 21 20.0
E	21 29.2
EUR IP	00 22 00.4
APR 19	
H-01 04 28.1	
18.6N 100.7W	
h ABOUT 159KM	
EUR EP	01 09 34.3
APR 19	
H-01 20 04.2	
28.2N 056.6E	
h ABOUT 33KM	
COL EP	01 32 39.0
APR 19	
COL EP	02 05 50.0
APR 19	
H-02 30 18.6	
22.0S 175.0W	
h ABOUT 33KM	
FUR IP	02 42 40.6
ALQ E(P)	02 42 57.8
COL EP	02 43 12.0
APR 19	
COL EP	03 35 42.0
APR 19	
H-04 39 55.3	
30.8S 178.1W	
h ABOUT 033KM	
EUR EP	04 52 56.0
APR 19	
AMC IP	05 15 24.2
IS	15 40.7
SHY EP	05 15 37.4
ES	16 05.5
APR 19	
H-05 19 21.8	
51.9N 175.6E	
h ABOUT 33KM	
SHY EP	05 19 45.4
AMC EP	05 19 59.7
COL EP	05 24 23.0
EUR IP	05 27 56.3

Date and Station	Phase (GCT)
	h m s
APR 19	
H-05 21 30.3	
02.9S 147.6E	
h ABOUT 5KM	
COL EP	05 33 53.0
APR 19	
SHY EP	05 40 36.5
ES	41 07.6
APR 19	
EUR IP	05 42 01.3
APR 19	
BRW EP	05 48 55.8
COL EP	05 48 38.0
APR 19	
COL EP	06 01 41.0
APR 19	
COL EP	06 13 07.0
APR 19	
H-07 15 54.4	
62.1N 150.2W	
h ABOUT 83KM	
COL IP	07 16 41.6
BRW EP	07 18 10.5
HHM EP	07 21 06.9
E▸P	21 22.4
EUR EP	07 22 04.3
E▸P	22 24.9
EPCP	24 59.8
APR 19	
H-08 06 00.3	
01.8N 098.5E	
h ABOUT 55KM	
BRW EP	08 19 11.0
BOZ EP'	08 24 58.2
E▸P'	25 15.0
EUR IP'	08 25 04.6
E▸P'	25 20.4
BCN EP'	08 25 11.0
E▸P'	25 27.0
ALQ EP'	08 25 14.0
APR 19	
ALQ E(P)	08 28 18.0
RCD EP	08 28 26.0
BCN EP	08 28 30.0
E	28 59.0
APR 19	
H-08 52 51.8	
60.6N 141.3W	
h ABOUT 33KM	
SIT E(P)	08 53 54.5

Date and Station	Phase (GCT)
	h m s
COL IP	08 54 09.0
BRW F(P)	08 55 41.0
EUR E(P)	08 57 23.3
APR 19	
COL IP	09 43 12.9
APR 19	
SHY E(P)	10 18 00.3
APR 19	
SJG EP	11 19 19.7
IS	19 36.5
APR 19	
H-11 24 10.0	
60.3N 146.4W	
h ABOUT 8KM	
COL EP	11 25 23.0
I	25 51.2
IL	26 31.4
APR 19	
COL EP	11 46 56.0
APR 19	
SJG IP	12 01 31.8
IS	01 45.3
APR 19	
AMC EP	12 41 29.3
IS	41 46.4
APR 19	
ALQ E(P)	14 52 05.5
APR 19	
SHY I(P)	14 52 30.1
AMC EP	14 53 11.3
IS	53 49.9
APR 19	
COL IP	14 55 21.7
BRW EP	14 55 30.7
APR 19	
BRW E(P)	14 57 21.6
COL EP	14 57 22.0
APR 19	
H-16 01 42.5	
53.3N 162.0W	
h ABOUT 33KM	
BRW EP	16 05 55.0
APR 19	
H-16 09 05.2	
52.5N 172.4E	
h ABOUT 15KM	
SHY I(P)	16 09 23.8
E(S)	09 36.0
AMC EP	16 10 14.6
BRW EP	16 14 14.0

Date and Station	Phase (GCT)
	h m s
COL EP	16 14 17.0
EUR EP	16 17 54.0
APR 19	
EUR EP	17 46 16.8
APR 19	
AMC EP	17 54 43.3
IS	55 00.3
APR 19	
H-18 18 59.9	
17.5S 179.0W	
h ABOUT 502KM	
EUR EP	18 30 26.3
TUC EP	18 30 28.5
COL EP	18 30 43.0
APR 19	
TUC EP	18 28 50.4
E(S)	29 12.0
APR 19	
SHY E(P)	20 09 56.4
E(S)	10 13.0
APR 19	
TUC E(P)	20 26 58.5
ALQ EP	20 27 06.0
APR 19	
SHY I(P)	21 00 29.7
F(S)	00 40.2
APR 19	
BRW EP	21 14 37.0
COL EP	21 14 42.0
APR 19	
TUC EP	21 47 45.6
APR 19	
H-22 21 52.2	
52.7N 178.6W	
h ABOUT 33KM	
AMC EP	22 22 21.9
COL EP	22 26 22.0
EUR IP	22 29 59.3
APR 19	
TUC EP	22 27 15.6
E(S)	27 35.5
APR 19	
TUC EP	22 38 44.0
E(S)	38 56.2
APR 19	
H-22 57 30.6	
53.0N 170.9W	
h ABOUT 33KM	
AMC IP	22 59 02.7
EL	23 00 26.8

Date and Station	Phase	(GCT)
		h m s
EUR	IP	23 04 58.8
APR 19		
TUC	EP	23 03 25.3
APR 19		
H-23 41 58.8		
34.9N 138.0E		
h ABOUT 36KM		
GUA	IP	23 46 54.0
	ES	50 29.0
AMC	EP	23 48 45.2
BRW	EP	23 50 46.2
	I	50 54.3
COL	EP	23 51 09.0
	I	51 26.5
HHM	EP	23 53 39.1
BOZ	EP	23 53 55.5
EUR	IP	23 54 02.5
	I	54 10.8
	EPP	57 08.1
SLC	EP	23 54 12.1
BCN	EP	23 54 18.0
	I	54 26.5
	EPP	57 31.8
RCD	EP	23 54 25.6
	E	54 32.0
TUC	E(P)	23 54 41.5
	E	54 50.5
ALQ	IP	23 54 47.5
APR 20		
BRW	IP	00 10 33.6
APR 20		
COL	EP	01 32 32.0
APR 20		
H-04 44 55.5		
53.6N 169.2E		
h ABOUT 27KM		
SHY	EP	04 45 43.8
	ES	46 16.9
COL	IP	04 50 10.3
EUR	IP	04 53 57.8
TUC	EP	04 54 55.2
APR 20		
H-05 15 24.4		
34.1N 082.0E		
h ABOUT 33KM		
COL	E(P)	05 26 51.0
APR 20		
H-06 43 08.8		
52.4N 172.0E		
h ABOUT 35KM		

Date and Station	Phase	(GCT)
		h m s
SHY	IP	06 43 31.0
AMC	EP	06 44 17.3
BRW	IP	06 48 16.0
	I	48 17.3
COL	EP	06 48 20.0
	I	48 25.4
HHM	EP	06 51 26.1
	I	51 37.0
HHM	E(P)	06 51 41.1
BOZ	IP C	06 51 48.1
EUR	IP	06 51 59.7
	EPCP	53 22.8
	E(PP)	54 02.8
SLC	EP	06 52 10.6
RCD	EP C	06 52 31.2
	E	52 36.0
TUC	EP	06 52 58.0
ALQ	IP	06 53 02.8
CSC	E(P)	06 54 47.0
APR 20		
H-06 50 17.6		
54.6N 161.4E		
h ABOUT 33KM		
AMC	E(P)	06 52 55.9
BRW	IP	06 55 36.5
COL	EP	06 55 56.0
	EPCP	59 17.6
SIT	E(P)	06 57 05.0
HHM	EP	06 59 10.8
BOZ	IP C	06 59 33.6
	I	07 00 10.0
EUR	IP	06 59 49.4
	IPP	59 59.0
SLC	EP	06 59 58.3
BCN	EP	07 00 11.0
	I	00 12.4
RCD	IP C	07 00 12.0
	EPP	00 22.0
	E	00 27.5
TUC	EP	07 00 44.5
	EPP	00 54.6
ALQ	IP	07 00 46.8
APR 20		
H-06 54 45.0		
38.9N 138.8E		
h ABOUT 44KM		
BRW	EP	07 03 14.0

Date and Station	Phase	(GCT)
		h m s
COL	EP	07 03 26.0
BOZ	EP	07 06 22.0
EUR	IP	07 06 31.5
SLC	E(P)	07 06 39.9
BCN	EP	07 06 46.0
RCD	E(P)	07 06 53.0
TUC	E(P)	07 07 12.5
ALQ	IP	07 07 18.4
APR 20		
EUR	EP	08 34 03.8
APR 20		
TUC	EP	10 58 12.5
APR 20		
H-11 22 43.7		
04.1S 104.3E		
h ABOUT 33KM		
BRW	IP	11 36 10.6
BOZ	EP'	11 41 45.7
EUR	EP'	11 41 48.8
APR 20		
ALQ	E(P)	11 45 08.0
APR 20		
H-12 44 58.1		
14.5N 091.8W		
h ABOUT 96KM		
ALQ	E(P)	12 50 09.5
TUC	E(P)	12 50 12.8
APR 20		
H-13 12 46.4		
14.3N 092.2W		
h ABOUT 84KM		
ALQ	IP	13 17 57.0
TUC	EP	13 18 00.5
BCN	EP	13 18 46.0
EUR	IP	13 19 13.3
BOZ	EP	13 19 35.0
HHM	EP	13 20 03.0
COL	EP	13 23 06.0
BRW	EP	13 23 41.4
	E	23 44.8
APR 20		
COL	E(P)	13 15 13.0
APR 20		
HHM	E(P)	13 19 38.0

Date and Station	Phase	(GCT)
		h m s
APR 20		
ALQ	E(P)	13 32 43.0
APR 20		
COL	EP	15 10 20.0
APR 20		
COL	EP	15 45 56.0
BRW	EP	15 46 08.2
APR 20		
EUR	IP	15 46 32.9
APR 20		
HHM	EP	16 28 58.1
TUC	E(P)	16 29 27.3
APR 20		
H-17 15 19.4		
14.8N 146.9E		
h ABOUT 60KM		
GUA	IP	17 15 56.0
	IS	16 25.0
BRW	EP	17 25 59.4
COL	EP	17 26 03.0
HHM	EP	17 27 50.7
EUR	IP	17 27 56.7
BOZ	EP	17 28 00.0
BCN	E(P)	17 28 06.0
SLC	E(P)	17 28 08.1
TUC	EP	17 28 25.8
ALQ	E(P)	17 28 36.0
APR 20		
GUA	EP	17 58 46.9
	E(S)	59 10.0
APR 20		
KIP	EP	19 25 25.5
APR 20		
SJG	EP	20 31 30.3
	IS	31 47.7
APR 20		
KIP	EP	20 45 25.0
APR 20		
SIT	E(P)	21 20 41.7
COL	EP	21 20 50.0
APR 20		
H-21 31 38.1		
25.9S 063.1W		
h ABOUT 600KM		
TUC	E(P)	21 42 09.0
ALQ	EP	21 42 11.0
EUR	IP	21 42 56.5

Date and Station	Phase (GCT)
	h m s
HHM EP	21 43 21.3
APR 20	
H-21 50 22.6	
23.0N 109.4W	
h ABOUT 33KM	
TUC EP	21 52 37.8
EUR EP	21 54 24.0
E	54 30.2
APR 20	
KIP EP	22 00 40.3
APR 20	
FUR IP	22 06 01.0
APR 20	
H-22 22 53.7	
50.5N 177.0E	
h ABOUT 54KM	
AMC IP	22 23 20.8
COL EP	22 27 56.0
BRW FP	22 28 06.1
HHM EP	22 30 53.3
BOZ EP	22 31 15.1
EpP	31 29.0
EUR IP	22 31 23.5
TUC EP	22 32 21.3
ALQ EP	22 32 28.0
APR 20	
COL FP	22 53 12.0
APR 20	
COL EP	23 25 46.0
APR 21	
H-00 00 12.0	
24.2N 124.6E	
h ABOUT 101KM	
COL EP	00 10 58.0
HHM IP	00 13 07.3
I	13 19.3
FUR EP	00 13 26.8
APR 21	
HHM EP	01 16 47.3
EL	17 24.3
BOZ EP	01 16 56.2
E	17 41.0
APR 21	
KIP EP	01 29 03.5
APR 21	
KIP EP	02 00 33.5
APR 21	
BRW EP	05 28 23.5

Date and Station	Phase (GCT)
	h m s
APR 21	
H-05 58 19.3	
20.4S 174.7W	
h ABOUT 33KM	
TUC EP	06 10 31.0
EUR EP	06 10 33.1
ALQ E(P)	06 10 50.0
BOZ EP	06 11 04.5
COL E(P)	06 11 18.0
APR 21	
BOZ EP	08 08 20.0
FUR EP	08 08 40.2
APR 21	
H-08 24 13.1	
20.9S 174.6W	
h ABOUT 33KM	
BCN E(P)	08 36 23.3
TUC EP	08 36 24.4
FUR IP	08 36 29.4
ALQ IP	08 36 47.6
COL EP	08 37 02.0
BRW EP	08 37 23.5
APR 21	
H-10 08 27.9	
51.4N 177.2E	
h ABOUT 33KM	
BRW EP	10 13 31.3
COL E(P)	10 13 26.1
E	13 39.8
BOZ EP	10 16 46.0
EUR IP	10 16 56.4
EPCP	17 31.0
BCN E(P)	10 17 32.5
APR 21	
EUR IP	10 23 34.4
IL	24 01.4
APR 21	
EUR EP	10 28 12.3
EL	28 39.2
APR 21	
H-10 30 39.5	
20.4S 174.6W	
h ABOUT 33KM	
BCN EP	10 42 45.2
TUC EP	10 42 48.3
EUR IP	10 42 52.3
ALQ IP	10 43 13.0

Date and Station	Phase (GCT)
	h m s
BOZ EP	10 43 23.0
COL IP	10 43 25.8
APR 21	
BRW EP	11 47 09.0
APR 21	
HHM EP	11 48 39.1
EL	49 40.3
APR 21	
H-11 57 02.6	
19.2N 108.2W	
h ABOUT 33KM	
TUC EP	12 00 13.0
ALQ IP	12 00 45.4
BCN EP	12 01 11.5
EUR IP	12 01 50.3
RCD EP	12 02 27.5
BOZ EP	12 02 39.0
EpP	02 47.5
EsP	02 52.0
COL EP	12 06 15.0
BRW EP	12 07 00.1
APR 21	
TUC EP	12 22 50.7
ALQ F(P)	12 23 11.0
APR 21	
SLC EP	13 14 14.9
APR 21	
BRW E(P)	13 24 55.5
APR 21	
BCN E(P)	13 49 08.5
APR 21	
H-14 25 18.7	
18.8N 107.8W	
h ABOUT 033KM	
EUR E(P)	14 30 10.2
APR 21	
H-15 28 41.9	
18.8N 107.9W	
h ABOUT 33KM	
EUR IP	15 33 32.8
APR 21	
COL EP	15 38 26.0
APR 21	
H-15 42 36.1	
19.0N 107.9W	
h ABOUT 42KM	
TUC E(P)	15 45 46.7
BCN EP	15 46 44.0

Date and Station	Phase (GCT)
	h m s
EUR EP	15 47 23.5
APR 21	
H-15 46 39.6	
18.9N 107.9W	
h ABOUT 33KM	
EUR IP	15 51 29.1
APR 21	
EUR EP	16 59 19.1
APR 21	
FGU EP	18 09 26.0
APR 21	
GCA IP	18 11 04.0
E	11 31.2
EUR EP	18 11 38.1
APR 21	
HHM E(P)	20 33 15.0
APR 21	
H-20 34 22.8	
19.0N 108.1W	
h ABOUT 33KM	
TUC EP	20 37 34.8
ALQ IP	20 38 07.6
BCN EP	20 38 33.5
EpP	38 42.0
GCA EP	20 38 37.0
EUR IP	20 39 12.4
SLC IP	20 39 16.6
RCD EP	20 39 49.0
BOZ EP	20 40 01.2
HHM EP	20 40 25.2
SJG EP	20 41 57.5
COL FP	20 43 37.5
BRW E(P)	20 44 20.5
APR 21	
HHM EP	20 40 05.8
APR 21	
GCA EP	21 24 22.6
I	24 31.5
APR 21	
FGU EP	21 31 55.7
APR 21	
H-21 26 11.5	
44.6N 149.2E	
h ABOUT 33KM	
BRW F(P)	21 33 17.0
COL EP	21 33 41.0
BOZ EP	21 36 51.5

Date and Station	Phase (GCT)
	h m s
EUR EP	21 37 01.3
APR 21	
H-21 28 22.6	
18.8N 107.9W	
h ABOUT 30KM	
TUC E(P)	21 31 35.3
ALQ IP	21 32 10.4
BCN EP	21 32 35.5
GCA EP	21 32 38.8
EUR IP	21 33 14.2
BOZ EP	21 34 04.0
HHM FP	21 34 28.2
APR 21	
H-21 37 49.3	
52.2N 172.5E	
h ABOUT 35KM	
BRW EP	21 42 54.5
COL EP	21 43 00.0
BOZ EP	21 46 27.0
EUR E(P)	21 46 38.7
APR 21	
H-22 00 00.0	
37.0N 116.2W	
h ABOUT 000KM	
BCN IP C	22 00 28.2
EUR IP	22 00 42.3
GCA EP	22 00 59.5
I	01 07.6
SLC IP	22 01 20.5
I	01 37.1
TUC EP	22 01 37.7
E	02 02.0
EL	03 27.0
ALQ IP	22 02 01.6
BOZ EP	22 02 21.0
HHM EP	22 02 47.7
E	06 06.2
COL IP	22 06 44.0
APR 21	
HHM EP	22 02 21.3
APR 21	
BCN IP	22 07 50.7
IL	08 13.0
APR 21	
BOZ FP	22 52 40.0

Date and Station	Phase (GCT)
	h m s
APR 21	
H-22 52 48.4	
38.1N 141.5E	
h ABOUT 74KM	
BRW EP	23 00 59.0
COL EP	23 01 23.3
BOZ IP	23 04 17.0
E	04 32.0
EUR EP	23 04 25.1
E	04 42.7
APR 21	
H-23 46 36.2	
19.1N 107.8W	
h ABOUT 33KM	
ALQ E(P)	23 50 05.0
EUR EP	23 51 25.9
APR 22	
H-01 05 50.2	
14.3S 167.3E	
h ABOUT 204KM	
GUA EP	01 12 28.4
COL EP	01 18 06.0
BRW E(P)	01 18 21.5
EUR IP	01 18 23.7
IPP	19 14.7
EPP	21 55.0
TUC EP	01 18 32.2
APR 22	
TUC F(P)	01 35 20.0
APR 22	
TUC E(P)	01 38 31.2
APR 22	
H-01 39 55.4	
06.7N 073.3W	
h ABOUT 178KM	
TUC E(P)	01 47 40.5
EUR E(P)	01 48 36.2
APR 22	
H-02 51 49.3	
10.8S 162.1E	
h ABOUT 33KM	
EUR IP	03 04 52.0
APR 22	
GUA IP	03 10 59.2
ES	11 13.7
APR 22	
COL EP	04 47 59.0
APR 22	
COL EP	06 49 09.5

Date and Station	Phase (GCT)
	h m s
APR 22	
EUR EP	07 10 42.6
APR 22	
COL E(P)	07 13 51.3
APR 22	
H-08 10 03.5	
51.6N 161.0E	
h ABOUT 33KM	
BRW EP	08 15 47.2
COL EP	08 16 03.5
BOZ EP	08 19 32.0
EUR IP	08 19 44.8
RCD EP	08 20 11.0
TUC E(P)	08 20 38.5
ALQ EP	08 20 42.0
APR 22	
H-08 21 12.1	
19.1N 108.0W	
h ABOUT 046KM	
EUR E(P)	08 25 58.5
APR 22	
BOZ EP	10 59 05.0
APR 22	
COL IP	11 16 27.2
APR 22	
BOZ EP	12 00 16.6
EUR FP	12 00 38.8
APR 22	
GUA FP	12 11 42.9
ES	11 56.5
APR 22	
GUA IP	12 19 09.3
ES	19 29.0
APR 22	
COL EP	13 25 08.0
APR 22	
H-13 30 36.4	
18.9N 107.9W	
h ABOUT 33KM	
TUC E(P)	13 33 50.5
ALQ IP	13 34 25.8
EUR IP	13 35 26.8
BCN E(P)	13 35 47.5
BOZ EP	13 36 15.0
APR 22	
H-14 52 04.9	
14.6S 167.3E	
h ABOUT 167KM	

Date and Station	Phase (GCT)
	h m s
COL IP	15 04 26.4
EUR IP	15 04 43.8
APR 22	
COL E(P)	18 12 47.0
APR 22	
TUC E(P)	18 29 36.7
E	30 13.0
EUR EP	18 30 11.1
BOZ FP	18 30 40.0
APR 22	
H-18 36 01.2	
51.8N 176.1E	
h ABOUT 37KM	
COL IP	18 41 01.0
I	41 11.7
BRW IP	18 41 04.8
I	08 41 16.3
KIP E(P)	18 43 12.1
HON EL	18 52 40.0
HHM E(P)	18 43 56.0
BOZ FP	18 44 22.5
EPP	44 31.5
EUR IP	18 44 33.6
E(SCP)	49 55.4
BCN EP	18 44 57.5
E(PP)	45 05.0
ALQ E(P)	18 45 25.6
TUC FP	18 45 32.5
SJG EP	18 49 08.2
E	49 34.0
APR 22	
TUC EP	19 02 25.5
APR 22	
KIP E(P)	19 21 02.0
APR 22	
H-19 50 45.8	
12.5N 144.6E	
h ABOUT 40KM	
GUA IP C	19 51 05.1
F	51 13.4
BRW EP	20 01 44.2
EUR EP	20 03 40.9
APR 22	
EUR IP	21 10 44.9
IL	11 07.6
APR 22	
COL EP	21 24 28.0

Date and Station	Phase (GCT)
	h m s
APR 22	
KIP E(P)	21 27 53.1
APR 22	
HHM IP	21 29 07.1
I	29 35.1
APR 22	
TUC EP	21 54 12.9
ES	54 30.8
APR 22	
H-22 13 54.7	
5.6S 078.6W	
h ABOUT 18KM	
SJG EP	22 19 35.6
ALQ IP	22 22 36.8
TUC EP	22 22 39.4
FUR IP	22 23 39.6
BOZ IP	22 23 53.5
COL EP	22 26 37.0
BRW E(P)	22 27 00.5
APR 22	
BRW EP	22 19 36.3
APR 22	
COL IP	22 27 28.5
APR 22	
BOZ EP	22 30 34.0
E	30 45.0
APR 22	
TUC EP	22 59 03.1
APR 23	
HON IP	00 50 10.6
KIP IP	00 50 11.2
APR 23	
H-01 05 56.1	
16.2N 096.0W	
h ABOUT 34KM	
TUC E(P)	01 10 36.9
ALQ IP	01 10 37.5
EUR E(P)	01 11 55.0
BOZ E(P)	01 12 32.5
APR 23	
HON IP	01 40 06.4
KIP EP	01 40 07.3
APR 23	
BOZ EP	01 44 24.0
APR 23	
H-01 58 08.2	
52.0N 172.8E	
h ABOUT 40KM	

Date and Station	Phase (GCT)
	h m s
BRW EP	02 03 15.7
COL EP	02 03 20.0
BOZ EP	02 06 45.0
FUR EP	02 06 56.2
APR 23	
TUC E(P)	02 06 31.2
APR 23	
HON IP	02 43 19.4
KIP EP	02 43 20.9
APR 23	
TUC E(P)	02 45 10.8
APR 23	
H-03 10 35.8	
55.3N 165.5E	
h ABOUT 33KM	
BRW EP	03 15 37.5
COL EP	03 15 55.0
BOZ EP	03 19 33.0
EUR IP	03 19 49.1
APR 23	
FGU EP	03 11 53.0
I	11 55.4
ES	12 12.6
FUR EP	03 11 56.3
ALQ IP	03 12 08.4
TUC E(P)	03 12 38.4
APR 23	
FGU EP	04 19 47.5
I	19 50.0
ES	20 07.0
APR 23	
H-05 06 02.2	
19.2N 108.2W	
h ABOUT 33KM	
TUC E(P)	05 09 10.7
ALQ IP	05 09 44.5
EUR IP	05 10 50.0
BOZ EP	05 11 39.0
SJG EP	05 13 33.5
COL EP	05 15 14.0
BRW E(P)	05 15 58.5
APR 23	
BCN EP	06 42 35.0
E(S)	43 17.5
EUR IP	06 43 02.0
E(S)	43 58.2

Date and Station	Phase (GCT)
	h m s
APR 23	
BOZ E(P)	08 13 20.0
APR 23	
BRW IP	09 14 31.5
COL IP	09 15 18.3
APR 23	
BRW EP	09 20 40.0
COL EP	09 20 45.0
APR 23	
EUR IP	09 24 23.2
APR 23	
COL IP	10 09 56.9
APR 23	
BRW IP	14 35 43.7
COL EP	14 35 47.0
EUR EP	14 39 22.2
APR 23	
BCN IP	15 47 30.5
APR 23	
COL EP	16 12 55.0
BRW EP	16 14 24.7
APR 23	
BOZ E(P)	16 17 11.0
APR 23	
EUR EP	17 02 11.4
APR 23	
TUC EP	17 45 15.5
ES	45 35.1
APR 23	
BCN IP	17 55 06.5
E(L)	55 41.0
APR 23	
SLC EP	17 56 27.0
EL	56 57.8
APR 23	
KIP EP	19 05 50.4
APR 23	
BRW EP	19 35 22.3
COL EP	19 35 50.4
APR 23	
H-21 44 00.0	
37.0N 116.0W	
h ABOUT 000KM	
BCN IP C	21 44 27.1
EUR IP	21 44 42.2
TUC E(P)	21 45 35.2
BOZ E(P)	21 46 21.0

Date and Station	Phase (GCT)
	h m s
APR 23	
KIP F(P)	22 10 17.5
APR 23	
EUR IP	22 12 47.8
EL	12 54.5
APR 23	
BRW EP	22 30 27.9
APR 23	
COL EP	22 41 37.0
APR 23	
BOZ F(P)	23 02 51.0
APR 23	
KIP E(P)	23 20 03.8
APR 23	
COL FP	23 26 24.3
APR 23	
BRW EP	23 50 53.4
APR 24	
H-00 04 32.6	
32.8S 178.4W	
h ABOUT 33KM	
TUC F(P)	00 17 33.0
EUR IP	00 17 37.3
BCN E(P)	00 17 38.4
ALQ IP	00 17 57.4
COL FP	00 18 15.3
APR 24	
TUC E(P)	00 27 08.3
APR 24	
H-01 01 46.4	
19.0N 107.9W	
h ABOUT 33KM	
ALQ EP	01 05 34.8
BCN FP	01 05 57.5
EUR IP	01 06 35.5
APR 24	
BRW EP	02 07 29.7
COL EP	02 07 07.5
APR 24	
TUC E(P)	02 50 14.5
BCN EP	02 50 19.5
FUR FP	02 50 24.3
APR 24	
GUA F(P)	03 05 20.0
E(S)	10 40.0
APR 24	
H-03 06 00.3	
07.3N 126.6E	
h ABOUT 95KM	

Date and Station	Phase	h m s (GCT)
BRW	IP	03 17 54.7
COL	EP	03 18 08.0
ALQ	EP'	03 24 34.0
SJG	EP'	03 25 47.3
APR 24		
H-03 09 45.6		
51.8N 175.9W		
h ABOUT 79KM		
COL	IP	03 14 06.9
BRW	EP	03 14 28.7
	IpP	14 45.7
HHM	EP	03 17 04.9
	EPCP	19 15.2
BOZ	EP	03 17 27.5
EUR	IP	03 17 35.6
	I	17 49.1
	IPCP	19 27.6
RCD	EP	03 18 13.5
TUC	E(P)	03 18 34.7
ALQ	EP	03 18 43.4
APR 24		
GUA	EP	03 29 12.5
APR 24		
EUR	EP	05 33 39.9
BOZ	EP	05 34 09.2
APR 24		
COL	E(P)	05 58 04.0
BRW	E(P)	05 58 04.5
APR 24		
BOZ	EP	07 07 25.0
APR 24		
H-07 29 43.1		
34.8N 120.3W		
h ABOUT 14KM		
BCN	E(P)	07 30 49.5
EUR	EP	07 31 15.6
	IL	32 43.9
APR 24		
BRW	EP	07 30 55.5
APR 24		
H-07 35 37.5		
50.8N 175.9E		
h ABOUT 33KM		
COL	EP	07 40 46.2
HHM	EP	07 43 43.8
BOZ	IP	07 44 05.1
	E	44 13.6
EUR	IP	07 44 14.2
	EPCP	45 41.9
RCD	EP	07 44 49.0
APR 24		
H-08 02 26.3		
19.2N 121.2E		
h ABOUT 43KM		
GUA	E(P)'	08 07 43.0
	EL	12 13.0
BRW	EP	08 13 32.8
COL	IP	08 13 54.0
BOZ	EP	08 16 08.0
ALQ	EP'	08 20 56.0
APR 24		
HHM	EP	08 15 35.5
APR 24		
H-09 29 47.7		
18.9N 107.9W		
h ABOUT 33KM		
ALQ	EP	09 33 36.5
BCN	EP	09 33 59.0
	F	34 09.5
EUR	IP	09 34 37.4
RCD	EP	09 35 14.0
APR 24		
H-10 20 50.2		
58.6N 153.2W		
h ABOUT 58KM		
COL	IP	10 22 30.1
	IS	23 48.5
BRW	EP	10 23 50.4
HHM	EP	10 26 11.3
BOZ	EP	10 26 38.0
	EpP	26 52.0
EUR	IP	10 26 58.7
	EpP	27 13.7
	EsP	27 20.1
RCD	IP C	10 27 26.5
	EpP	27 41.5
BCN	EP	10 27 29.8
	EpP	27 44.5
	EsP	27 51.0
ALQ	IP	10 28 09.8
TUC	EP	10 28 09.9
	EpP	28 25.0
APR 24		
COL	EP	11 31 37.0
APR 24		
COL	IP	11 51 04.4
BRW	EP	11 51 19.5
APR 24		
BOZ	E(P)	11 52 00.0
	EL	53 38.0
EUR	EP	11 52 39.7
APR 24		
H-13 19 21.8		
16.4N 097.7W		
h ABOUT 33KM		
TUC	E(P)	13 23 47.5
ALQ	IP	13 23 54.5
BCN	EP	13 24 42.0
EUR	FP	13 25 11.4
BOZ	EP	13 25 40.0
APR 24		
H-13 25 41.2		
12.7N 082.0W		
h ABOUT 33KM		
BHP	IP	13 26 45.2
TUC	EP	13 32 11.4
	E	32 18.0
ALQ	IP	13 32 00.5
BCN	EP	13 32 54.0
EUR	IP	13 33 15.5
BOZ	EP	13 33 26.8
COL	IP	13 36 42.7
BRW	E(P)	13 37 12.6
APR 24		
H-13 43 44.5		
20.4S 173.8W		
h ABOUT 33KM		
TUC	EP	13 55 52.3
EUR	IP	13 55 54.7
BOZ	EP	13 56 25.0
COL	EP	13 56 29.0
BRW	EP	13 56 52.4
APR 24		
TUC	E(P)	14 13 40.2
APR 24		
H-14 28 02.9		
19.4S 168.7E		
h ABOUT 37KM		
EUR	EP	14 41 11.2
TUC	E(P)	14 41 11.3
APR 24		
COL	E(P)	14 58 17.0
BOZ	FP	15 01 38.0
EUR	E(P)	15 01 47.5
APR 24		
GUA	EP	15 22 47.6
	E	22 59.8
APR 24		
COL	EP	16 13 47.0
APR 24		
BOZ	EP	16 46 52.0
APR 24		
GUA	EP	17 20 01.8
	E(S)	20 15.4
APR 24		
TUC	FP	17 40 26.1
	FS	40 46.2
APR 24		
H-18 29 18.3		
17.7S 069.6W		
h ABOUT 159KM		
SJG	EP	18 36 03.5
ALQ	IP	18 39 30.2
BCN	FP	18 40 06.0
EUR	EP	18 40 23.4
	E(pP)	40 57.7
BOZ	EP	18 40 34.9
	E	41 03.5
APR 24		
H-20 01 55.5		
35.9N 065.3E		
h ABOUT 33KM		
BRW	FP	20 13 00.0
COL	IP	20 13 42.0
APR 24		
H-20 12 42.8		
53.0N 171.0E		
h ABOUT 25KM		
BRW	EP	20 17 49.2
COL	IP	20 17 55.1
BOZ	IP	20 21 25.5
EUR	IP	20 21 38.6
	EPP	23 39.4
BCN	EP	20 22 02.3
	EpP	22 09.5
RCD	IP	20 22 08.5
	EpP	22 16.0
TUC	FP	20 22 36.2
	EPP	22 44.2
ALQ	IP	20 22 41.2

Date and Station	Phase (GCT)
	h m s
APR 24	
TUC EP	21 10 11.0
E(S)	10 35.6
APR 24	
H-21 55 26.5	
11.4N 140.1E	
h ABOUT 59KM	
GUA IP	21 56 43.2
KIP EP	22 05 29.0
BRW EP	22 06 37.3
COL EP	22 06 45.0
EUR IP	22 08 37.2
EPP	12 18.8
EPKKP	25 44.7
HHM I(P)	22 08 38.2
BOZ IP	22 08 40.0
I	08 49.0
BCN EP	22 08 47.5
E	08 55.5
SLC EP	22 08 49.4
TUC EP	22 09 06.0
ALQ IP	22 09 16.0
SJG EP'	22 14 45.5
APR 24	
HON EL	22 23 04.0
APR 24	
GUA IP	23 56 43.0
IS	57 45.0
APR 25	
H-00 19 55.0	
24.6N 142.5E	
h ABOUT 78KM	
GUA E(P)	00 22 35.4
BRW E(P)	00 29 40.0
BUT EP	00 32 08.1
BOZ E(P)	00 32 14.0
EUR IP	00 32 18.1
E	32 34.3
ALQ E(P)	00 32 50.5
APR 25	
GUA EP	00 25 04.0
APR 25	
H-00 25 14.8	
32.5S 177.9W	
h ABOUT 33KM	
TUC E(P)	00 38 14.5
BCN EP	00 38 15.0

Date and Station	Phase (GCT)
	h m s
EUR IP	00 38 20.6
APR 25	
H-01 00 11.6	
24.5N 142.7E	
h ABOUT 15KM	
GUA EP	01 02 53.0
IS	04 57.0
KIP EP	01 09 38.8
E	10 32.5
ES	17 30.0
EL	25 04.0
HON ES	01 17 30.0
EL	25 00.0
BRW EP	01 10 05.5
IPP	10 11.0
COL EP	01 10 15.0
HHM IP	01 12 25.2
EUR IP	01 12 38.2
IPP	12 44.9
EPP	15 41.6
E(S)	22 55.8
SLC EP	01 12 50.4
BCN EP	01 12 51.5
BOZ I(P)	01 12 52.0
I	12 58.0
RCD EP	01 13 09.0
EPP	13 15.5
TUC E(P)	01 13 11.9
ALQ IP	01 13 21.5
SJG EP'	01 19 21.0
EPP'	19 27.0
E	22 39.0
ESKP	22 52.0
APR 25	
HON EP	01 30 51.5
APR 25	
H-01 43 28.0	
51.5N 178.8E	
h ABOUT 49KM	
COL IP	01 48 17.1
BRW IP	01 48 27.5
E	48 41.4
EPCP	52 17.8
EUR IP	01 51 47.5
IPP	51 58.7
E	52 17.6
EPCP	53 23.9
BCN EP	01 52 11.0
EPP	52 22.8
EPCP	53 31.5

Date and Station	Phase (GCT)
	h m s
TUC EP	01 52 45.7
EPP	52 57.5
ALQ IP	01 52 51.5
SJG EP	01 56 25.5
APR 25	
COL EP	01 55 46.0
BRW EP	01 55 50.4
APR 25	
EUR EP	01 57 12.6
BOZ E(P)	01 57 40.0
E	02 00 05.0
APR 25	
HHM EP	01 59 22.2
EUR EP	01 59 30.6
ALQ EP	02 00 12.0
APR 25	
KIP E(P)	02 26 41.0
APR 25	
H-02 27 45.5	
36.3N 070.5E	
h ABOUT 231KM	
BRW E(P)	02 38 19.0
COL E(P)	02 39 01.0
E	39 52.0
APR 25	
H-02 45 39.1	
32.6S 178.0W	
h ABOUT 33KM	
TUC E(P)	02 58 38.6
EUR EP	02 58 46.4
APR 25	
H-02 46 52.4	
51.9N 177.1E	
h ABOUT 42KM	
COL EP	02 51 45.0
BRW EP	02 51 53.0
EUR IP	02 55 18.8
APR 25	
TUC EP	03 27 06.1
APR 25	
TUC EP	05 29 20.0
ALQ EP	05 29 36.0
APR 25	
COL EP	05 37 25.0
APR 25	
H-05 38 12.6	
06.5N 094.6E	
h ABOUT 85KM	

Date and Station	Phase (GCT)
	h m s
BRW EP	05 51 03.5
EUR EP'	05 57 08.7
SJG EP'	05 57 53.3
APR 25	
ALQ EP	06 00 44.0
TUC EP	06 00 44.5
APR 25	
H-06 52 43.1	
05.4S 151.8E	
h ABOUT 49KM	
GUA E(P)	06 57 15.6
COL IP	07 05 01.8
IPP	05 17.1
BRW E(P)	07 05 08.0
EUR IP	07 06 02.8
E	06 13.1
BCN EP	07 06 08.5
SJG EP'	07 12 10.0
E	12 20.0
APR 25	
GUA EP	06 57 50.0
APR 25	
TUC EP	07 47 35.7
E(L)	49 00.0
APR 25	
H-08 21 29.4	
50.8N 175.7E	
h ABOUT 33KM	
COL EP	08 26 37.7
BRW IP	08 26 42.7
EUR IP	08 30 07.4
EPCP	31 32.9
RCD EP	08 30 42.0
APR 25	
EUR IP	08 27 33.1
APR 25	
H-08 39 31.6	
52.0N 175.9E	
h ABOUT 45KM	
COL EP	08 44 29.0
BRW IP	08 44 33.7
E(S)	48 24.0
EUR IP	08 48 03.3
TUC EP	08 49 03.2
APR 25	
TUC E(P)	08 56 45.0

Date and Station	Phase	(GCT)
		h m s
APR 25		
H-09 12 38.9		
51.3N 176.5W		
h ABOUT 48KM		
COL	EP	09 17 10.0
BRW	EP	09 17 31.1
EUR	IP	09 20 35.2
RCD	EP	09 21 13.5
APR 25		
BCN	E(P)	09 16 13.5
	EL	17 02.5
TUC	E(P)	09 16 44.8
APR 25		
KIP	EP	09 25 00.3
APR 25		
H-10 01 09.7		
2.2S 029.1E		
h ABOUT 13KM		
TUC	EP'	10 20 26.1
APR 25		
H-12 38 29.3		
24.5N 142.6E		
h ABOUT 74KM		
COL	EP	12 48 26.5
EUR	E(P)	12 50 48.4
APR 25		
BRW	EP	13 34 42.9
APR 25		
EUR	IP	13 38 10.8
APR 25		
H-14 05 55.4		
27.3N 141.5E		
h ABOUT 53KM		
BRW	IP	14 15 27.4
COL	EP	14 15 40.0
EUR	IP	14 18 11.9
BCN	EP	14 18 26.0
RCD	EP	14 18 40.0
APR 25		
H-14 31 41.2		
46.6N 152.5E		
h ABOUT 33KM		
BRW	IP	14 38 27.0
COL	EP	14 38 45.0
EUR	IP	14 42 11.6
	EpP	42 20.9
	EsP	42 25.5
RCD	E(P)	14 42 37.0
TUC	E(P)	14 43 10.6
	E	43 14.5
APR 25		
H-14 49 22.6		
18.9N 107.9W		
h ABOUT 33KM		
TUC	E(P)	14 52 36.2
ALQ	IP	14 53 09.0
BCN	EP	14 53 34.5
	EpP	53 43.5
EUR	IP	14 54 12.5
RCD	EP	14 54 50.0
BRW	EP	14 59 24.1
APR 25		
SJG	EP	15 09 55.0
	EL	10 41.0
APR 25		
TUC	E(P)	15 22 08.5
APR 25		
H-15 23 40.1		
51.4N 174.5E		
h ABOUT 38KM		
COL	EP	15 28 49.0
BPW	EP	15 28 51.1
EUR	IP	15 32 21.5
	IpP	32 32.9
BCN	EP	15 32 45.5
	EpP	32 56.0
RCD	EP	15 32 56.0
	EpP	33 07.0
TUC	E(P)	15 33 12.0
APR 25		
H-15 32 32.6		
51.5N 174.2E		
h ABOUT 36KM		
COL	EP	15 37 42.0
BRW	EP	15 37 43.1
EUR	IP	15 41 15.0
	IpP	41 26.5
	E(PCP)	42 45.0
BCN	EP	15 41 38.0
RCD	EP	15 41 49.0
TUC	E(P)	15 42 11.1
APR 25		
H-16 39 45.0		
30.4N 050.6E		
h ABOUT 34KM		
BRW	IP	16 51 36.5
COL	IP	16 52 14.0
APR 25		
COL	E(P)	16 45 22.5
BRW	EP	16 45 29.0
APR 25		
EUR	IP	18 04 28.5
APR 25		
BHP	IP	18 44 54.0
APR 25		
H-19 19 42.6		
51.2N 174.3E		
h ABOUT 12KM		
COL	EP	19 24 56.8
BRW	EP	19 24 59.6
EUR	IP	19 28 29.3
	IpP	28 43.0
APR 25		
GUA	IP	19 44 27.4
	ES	44 39.4
APR 25		
GUA	IP	19 48 20.3
	ES	48 26.0
APR 25		
BRW	E(P)	20 07 35.0
APR 25		
COL	EP	20 32 11.0
APR 25		
BUT	E(P)	20 52 44.0
	IL	53 01.0
APR 25		
H-21 15 32.3		
51.3N 176.4W		
h ABOUT 40KM		
COL	IP	21 20 03.3
BRW	IP	21 20 24.2
	I	20 29.7
	I	20 42.8
EUR	IP	21 23 29.7
	E(PP)	25 21.2
	ESCP	29 01.6
BCN	EP	21 23 54.5
RCD	EP	21 24 10.0
	EpP	24 22.0
TUC	EP	21 24 30.0
	EpP	24 41.2
ALQ	EP	21 24 37.4
SJG	E(P)	21 28 23.5
	E	28 35.5
APR 25		
COL	EP	21 27 56.4
BRW	E(P)	21 27 57.7
APR 25		
H-21 28 40.5		
29.7N 130.7E		
h ABOUT 28KM		
GUA	E(P)	21 33 22.0
BRW	EP	21 38 23.4
	E	38 35.6
COL	EP	21 38 46.0
EUR	E(P)	21 41 27.5
APR 25		
FGU	EP	21 42 23.5
APR 25		
BRW	EP	21 44 00.1
APR 25		
H-21 45 54.1		
56.1S 027.3W		
h ABOUT 33KM		
EUR	EP'	22 04 43.4
COL	EP'	22 05 40.0
BRW	IP'	22 05 48.9
APR 25		
KIP	E(P)	21 57 18.9
APR 25		
TUC	E(P)	22 47 55.0
BCN	EP	22 47 57.0
	EL	48 40.5
EUR	EP	22 48 39.6
APR 26		
COL	EP	00 14 36.0
APR 26		
HON	EL	01 15 08.0
APR 26		
H-01 57 14.4		
58.9N 142.7W		
h ABOUT 33KM		
SIT	EP	01 58 14.2
COL	EP	01 58 48.0
BRW	IP	02 00 28.2
	I	00 39.5
	I	05 36.0
HHM	IP	02 01 43.5
	ES	05 33.5
	EL	07 37.5
BUT	EP	02 02 08.7
	ES	06 13.3
UKI	E(P)	02 02 17.0
EUR	IP	02 02 44.4
	I	03 25.1

Date and Station	Phase (GCT)
	h m s
BCN EP	02 03 17.0
TUC EP	02 03 56.8
ALQ IP	02 03 54.5
I	06 45.5
WSC EP	02 05 30.3
E	05 41.0
EL	20 38.0
SJG EP	02 08 11.5
APR 26	
CSC IP	02 20 25.0
APR 26	
TUC E(P)	02 22 43.5
E	23 08.2
APR 26	
COL IP	02 41 51.2
APR 26	
KIP E(P)	02 46 27.5
APR 26	
H-06 31 36.9	
57.9N 151.9W	
h ABOUT 33KM	
COL EP	06 33 23.0
APR 26	
H-08 39 03.9	
1.3S 077.8W	
h ABOUT 193KM	
BHP IP	08 41 27.5
SJG EP	08 43 48.3
ALQ IP D	08 47 02.2
TUC EP	08 47 08.1
EUR IP	08 48 07.8
EPCP	49 11.4
COL EP	08 51 08.0
BRW EP	08 51 31.8
E*P	51 15.8
APR 26	
H-08 57 29.3	
52.3N 172.6E	
h ABOUT 33KM	
BRW IP	09 02 37.7
COL EP	09 02 39.0
EUR EP	09 06 18.0
APR 26	
H-09 47 25.1	
1.7S 126.6E	
h ABOUT 15KM	
GUA E(P)	09 52 39.0
BRW EP	10 00 12.7

Date and Station	Phase (GCT)
	h m s
COL EP	10 00 22.0
EUR EP'	10 06 03.3
TUC EP'	10 06 14.2
ALQ IP'	10 06 19.0
APR 26	
COL IP	10 19 38.5
BRW IP	10 21 11.1
E	22 49.1
APR 26	
TUC EP	13 17 09.7
EUR IP	13 17 10.5
ALQ IP	13 17 29.6
APR 26	
H-13 27 09.8	
11.2N 094.2E	
h ABOUT 33KM	
BRW EP	13 39 45.2
I	39 53.2
EUR EP'	13 46 01.4
SJG EP'	13 46 53.5
APR 26	
H-13 32 54.4	
19.7S 174.1W	
h ABOUT 33KM	
TUC EP	13 45 01.0
EUR IP	13 45 04.0
ALQ IP	13 45 24.8
COL EP	13 45 33.0
APR 26	
H-14 28 55.2	
33.9S 056.1E	
h ABOUT 33KM	
COL EP'	14 48 30.0
TUC EP'	14 49 02.0
APR 26	
EUR EP	14 50 26.5
APR 26	
COL EP	15 00 11.0
APR 26	
H-15 26 21.5	
37.3N 081.6W	
h ABOUT 33KM	
CSC E(P)	15 27 11.0
WSC E(P)	15 27 28.8
APR 26	
H-15 37 59.2	
18.9N 108.0W	
h ABOUT 33KM	

Date and Station	Phase (GCT)
	h m s
EUR EP	15 42 49.6
APR 26	
GUA IP	16 43 48.0
IS	44 01.0
APR 26	
EUR IP	17 29 21.9
APR 26	
EUR IP	17 48 49.5
APR 26	
H-17 49 26.4	
18.8N 107.9W	
h ABOUT 33KM	
EUR IP	17 54 18.5
APR 26	
EUR IP	18 38 41.6
I	38 52.3
APR 26	
BHP IP C	18 44 54.0
APR 26	
H-19 23 45.4	
1.5S 126.6E	
h ABOUT 115KM	
COL E(P)	19 36 57.8
EUR EP'	19 42 11.6
APR 26	
KIP EP	19 36 45.5
APR 26	
H-20 29 07.4	
54.5N 162.6W	
h ABOUT 53KM	
COL E(P)	20 32 07.3
I	32 13.9
BRW IP	20 33 05.4
I	33 08.7
BUT E(P)	20 35 34.0
HON ES	20 41 08.0
EL	44 14.0
EUR IP	20 35 52.7
I*P	36 06.9
I	36 17.7
ISCP	42 09.8
I(PCS)	42 19.4
BCN EP	20 36 19.2
E	36 29.5
TUC EP	20 36 58.6
ALQ IP	20 37 05.2
I	38 35.8
GUA IP	20 38 52.0
CSC EP	20 38 58.0
SJG EP	20 41 08.8

Date and Station	Phase (GCT)
	h m s
APR 26	
H-21 06 37.7	
53.8N 164.7W	
h ABOUT 33KM	
COL EP	21 09 56.0
EUR EP	21 13 33.6
APR 26	
H-21 38 00.1	
45.6N 151.4E	
h ABOUT 33KM	
COL EP	21 45 16.0
EUR EP	21 48 38.3
APR 26	
H-22 15 42.5	
21.1N 120.7E	
h ABOUT 33KM	
GUA IP	22 20 57.5
BRW IP	22 26 38.7
I	26 51.1
COL IP	22 27 02.5
KIP EP	22 27 25.0
HON ES	22 37 06.0
EL	50 05.0
BUT EP	22 29 14.7
EUR IP	22 29 28.6
SJG EP'	22 35 11.0
BHP IP'	22 35 13.5
APR 26	
H-22 27 10.6	
30.9S 177.4W	
h ABOUT 33KM	
TUC E(P)	22 40 03.0
EUR IP	22 40 09.8
APR 26	
EUR E(P)	22 32 13.1
E	33 17.5
TUC E(P)	22 33 10.8
E	34 24.2
APR 26	
EUR IP	22 46 10.6
APR 26	
H-22 58 13.4	
51.3N 179.0E	
h ABOUT 48KM	
COL IP	23 03 04.7
BRW IP	23 03 15.8
EUR IP	23 06 32.6
TUC E(P)	23 07 29.2

Date and Station	Phase	(GCT) h m s
APR 27		
H-00 30 39.1		
51.1N 179.0E		
h ABOUT 44KM		
COL	EP	00 35 30.0
EUR	IP	00 38 58.5
APR 27		
EUR	EP	01 01 15.9
APR 27		
EUR	EP	01 27 10.4
TUC	EP	01 27 12.0
APR 27		
SLC	IP	02 02 52.1
APR 27		
KIP	E(P)	02 07 05.5
APR 27		
H-02 18 22.6		
38.8N 142.0E		
h ABOUT 033KM		
EUR	E(P)	02 29 59.7
APR 27		
H-02 45 52.2		
54.5N 161.6E		
h ABOUT 33KM		
COL	E(P)	02 51 31.0
EUR	IP	02 55 22.9
	IPP	55 32.6
APR 27		
COL	EP	03 08 15.0
APR 27		
H-05 19 15.9		
40.3N 124.6W		
h ABOUT 48KM		
UKI	FP	05 19 43.7
FUR	IP	05 20 54.5
APR 27		
H-05 24 50.1		
13.8S 076.0W		
h ABOUT 93KM		
ALQ	E(P)	05 34 24.5
TUC	E(P)	05 34 26.0
EUR	IP	05 35 22.2
APR 27		
H-05 46 33.1		
29.8N 140.4E		
h ABOUT 155KM		
COL	EP	05 55 55.7
FUR	E(P)	05 58 33.0
APR 27		
H-07 22 12.9		
10.1N 062.1W		
h ABOUT 58KM		
SJG	EP	07 24 18.9
	I(S)	25 51.0
ALQ	IP	07 30 44.0
TUC	E(P)	07 31 03.3
BCN	EP	07 31 35.7
EUR	IP	07 31 48.0
APR 27		
COL	EP	07 25 45.0
APR 27		
SJG	E(P)	07 30 57.0
APR 27		
COL	EP	07 34 13.5
APR 27		
FUR	EP	08 33 35.4
APR 27		
H-08 57 50.8		
50.4N 178.2E		
h ABOUT 033KM		
FUR	EP	09 06 16.3
APR 27		
BCN	EP	09 22 18.1
	I(S)	22 55.0
TUC	E(P)	09 22 24.1
FUR	IP	09 23 00.1
	I	23 26.8
	E(S)	24 39.6
APR 27		
ALQ	IP	09 38 39.4
APR 27		
BRW	EP	10 06 41.7
COL	EP	10 06 45.6
APR 27		
COL	IP	10 46 41.5
APR 27		
EUR	EP	10 47 21.3
APR 27		
H-10 54 28.0		
07.0S 129.5E		
h ABOUT 67KM		
GUA	IP	10 59 53.0
	IS	11 04 07.0
KIP	EP	11 06 13.0
HON	EP	11 06 13.0
BRW	IP	11 07 26.6
COL	IP	11 07 33.3
	I	08 32.2
	EPKKP	24 42.2
BCN	EP'	11 12 53.0
	ESKP	16 23.5
	EPKKP	23 40.0
EUR	IP'	11 12 59.3
	E(PP)	13 58.6
	ESKP	16 20.8
	ESKS	19 32.4
	IPKKP	23 45.8
	ESKKP	27 15.4
BUT	IP'	11 13 00.7
TUC	EP'	11 13 09.3
	ESKP	16 30.8
	EPKKP	23 26.7
RCD	IP'	11 13 13.0
ALQ	IP'	11 13 15.5
	ISKP	16 36.5
	EPKKP	23 29.4
CSC	EP'	11 13 50.7
	I(PP)	17 13.2
BHP	IP'	11 14 06.5
SJG	IP'C	11 14 21.0
	I	15 05.5
APR 27		
BRW	EP	11 23 29.4
APR 27		
H-11 41 37.3		
57.9N 152.2W		
h ABOUT 25KM		
COL	IP	11 43 24.4
BRW	E(P)	11 44 58.8
EUR	EP	11 47 43.3
APR 27		
EUR	EP	12 01 42.1
APR 27		
H-13 18 51.0		
51.2N 175.4E		
h ABOUT 33KM		
COL	E(P)	13 23 59.0
BRW	EP	13 23 59.3
EUR	IP	13 27 29.1
TUC	E(P)	13 28 26.5
	E	29 06.0
APR 27		
BUT	IP	13 50 22.8
	IL	50 52.8
BZM	E(P)	13 50 45.5
APR 27		
H-14 09 07.1		
35.7N 023.5E		
h ABOUT 50KM		
BRW	IP	14 20 34.5
	I	20 42.8
SJG	E(P)	14 21 03.0
COL	IP	14 21 10.0
RCD	IP	14 21 49.0
HHM	EP	14 21 55.0
ALQ	IP	14 22 29.4
EUR	IP	14 22 33.4
	EPP	26 34.5
BCN	EP	14 22 45.0
TUC	E(P)	14 22 47.2
APR 27		
COL	EP	14 14 43.0
APR 27		
TUC	E(P)	14 39 33.1
APR 27		
H-14 47 34.9		
24.1S 179.5W		
h ABOUT 405KM		
TUC	EP	14 59 33.5
EUR	EP	14 59 35.0
APR 27		
H-14 50 54.5		
48.3N 146.4E		
h ABOUT 428KM		
BRW	IP	14 57 08.9
	E(PCP)	59 31.0
COL	IP	14 57 33.9
EUR	EP	15 01 00.0
TUC	EP	15 01 35.0
APR 27		
H-15 06 42.6		
35.8S 103.2W		
h ABOUT 33KM		
SJG	EP	15 17 16.5
	FPP	17 23.2
	EsP	17 27.0
TUC	EP	15 17 40.5
	EsP	17 51.4
EUR	EP	15 18 26.5
APR 27		
BCN	EP	15 13 07.2
APR 27		
HHM	IP	15 30 07.0

Date and Station	Phase (GCT)
	h m s
APR 27	
COL IP	16 15 03.5
APR 27	
UKI E(P)	18 29 45.0
APR 27	
BUT E(P)	18 43 09.0
I	43 50.0
APR 27	
H-28 51 36.6	
47.4N 122.8W	
h ABOUT 33KM	
SLC EP	18 51 53.5
FGU E(P)	18 52 01.0
E(S)	52 34.7
EUR EP	18 52 23.5
E(S)	53 03.3
APR 27	
EUR IP	19 47 39.5
IL	48 02.5
APR 27	
COL IP	19 56 21.5
BRW IP	19 56 42.9
I	56 52.1
APR 27	
H-20 09 18.4	
1.5N 085.2W	
h ABOUT 33KM	
BHP IP	20 11 33.0
IS	13 28.0
SJG EP	20 14 42.0
ALQ IP	20 16 40.0
TUC E(P)	20 16 41.5
E(S)	22 50.0
BCN EP	20 17 23.8
SLC EP	20 17 41.7
EUR IP	20 17 50.8
HON EL	20 42 46.0
APR 27	
H-21 04 46.2	
53.5N 165.4W	
h ABOUT 33KM	
COL EP	21 08 11.0
EUR IP	21 11 46.2
TUC EP	21 12 53.1
APR 27	
EUR EP	21 29 24.6
EL	30 03.9
APR 27	
BHP IP	22 22 47.0
IS	22 59.5

Date and Station	Phase (GCT)
	h m s
APR 27	
BHP IP	22 25 43.0
IS	26 03.0
APR 28	
COL EP	01 04 51.0
APR 28	
H-07 29 42.3	
52.0N 178.1W	
h ABOUT 47KM	
COL IP	01 30 07.4
BRW IP	01 30 30.0
EUR IP	01 33 36.6
IpP	33 50.2
BCN EP	01 33 59.5
RCD EP	01 34 14.0
TUC EP	01 34 37.0
EpP	34 51.0
ALQ IP	01 34 43.2
SJG EP	01 38 27.0
APR 28	
EUR EP	01 39 11.8
APR 28	
TUC E(P)	02 17 42.6
APR 28	
KIP EP	02 19 01.0
APR 28	
H-02 29 51.7	
16.9N 098.9W	
h ABOUT 33KM	
TUC E(P)	02 34 10.7
ALQ IP	02 34 15.2
EUR EP	02 35 33.1
APR 28	
H-03 17 16.2	
61.1N 146.7W	
h ABOUT 33KM	
COL EP	03 18 15.0
APR 28	
H-04 01 06.9	
07.1N 082.3W	
h ABOUT 68KM	
BHP IP	04 01 58.0
I	02 19.5
APR 28	
TUC EP	05 07 56.0
APR 28	
UKI E(P)	05 33 47.7

Date and Station	Phase (GCT)
	h m s
APR 28	
H-07 39 34.0	
07.2S 155.0W	
h ABOUT 143KM	
COL EP	07 31 44.0
BRW EP	07 31 51.3
EUR EP	07 32 35.4
APR 28	
H-09 40 19.2	
58.6N 143.3W	
h ABOUT 5KM	
SIT EP	09 41 26.0
COL IP	09 42 00.5
BRW EP	09 43 38.6
EUR IP	09 45 54.9
TUC E(P)	09 47 10.9
APR 28	
H-09 42 10.2	
14.2S 076.2W	
h ABOUT 73KM	
TUC E(P)	09 51 49.4
EpP	52 08.4
EUR IP	09 52 46.5
EpP	53 05.3
APR 28	
SJG E(P)	09 55 57.8
APR 28	
H-10 26 20.0	
01.6N 084.6W	
h ABOUT 33KM	
ALQ IP	10 33 45.2
APR 28	
H-10 26 43.6	
27.1S 176.5W	
h ABOUT 33KM	
BCN EP	10 39 21.7
TUC EP	10 39 21.8
EUR IP	10 39 26.6
ALQ IP	10 39 43.2
COL EP	10 40 01.0
RCD EP	10 40 17.0
APR 28	
TUC EP	10 45 07.5
APR 28	
H-11 14 03.6	
17.0S 174.3W	
h ABOUT 280KM	
TUC EP	11 25 34.0

Date and Station	Phase (GCT)
	h m s
APR 28	
H-11 44 41.0	
51.2N 174.3E	
h ABOUT 33KM	
EUR IP	11 53 19.7
APR 28	
BRW E(P)	12 02 34.0
APR 28	
H-12 07 24.3	
24.7N 127.0E	
h ABOUT 33KM	
BRW EP	12 17 35.7
I	17 39.3
COL E(P)	12 17 59.3
EUR E(P)	12 20 28.5
APR 28	
EUR EP	13 21 41.8
APR 28	
H-13 38 12.3	
51.0N 178.2E	
h ABOUT 33KM	
BRW EP	13 43 18.3
APR 28	
TUC E(P)	14 12 19.0
E	12 41.0
BCN EP	14 13 13.0
EUR EP	14 14 04.3
I	16 31.7
APR 28	
H-14 20 05.5	
31.3N 114.5W	
h ABOUT 033KM	
TUC E(P)	14 20 56.6
EUR E(P)	14 21 10.3
BCN E(P)	14 21 14.0
E	21 30.0
APR 28	
TUC E(P)	14 25 06.0
BCN E(P)	14 25 16.7
APR 28	
H-14 33 05.3	
31.3N 114.7W	
h ABOUT 033KM	
TUC EP	14 33 45.8
BCN EP	14 34 16.2
ALQ E(P)	14 34 54.5
I	35 04.2
EUR EP	14 35 06.8
EL	37 37.5

Date and Station	Phase	(GCT)
		h m s
APR 28		
H-16 33 07.2		
40.7N 140.9E		
h ABOUT 79KM		
BRW	EP	16 41 01.8
APR 28		
H-16 42 12.0		
26.4S 177.3W		
h ABOUT 33KM		
TUC	EP	16 54 52.4
EUR	EP	16 54 55.6
ALQ	IP	16 55 13.2
APR 28		
TUC	EP	17 29 18.2
APR 28		
ALQ	E(P)	19 18 28.8
APR 28		
TUC	E(P)	20 43 03.5
BCN	EP	20 43 07.5
EUR	EP	20 43 08.8
ALQ	EP	20 43 18.6
APR 28		
TUC	E(P)	20 57 39.3
ALQ	IP	20 58 13.8
BCN	EP	20 58 40.0
	E	58 47.0
EUR	EP	20 59 16.9
APR 28		
EUR	IP	21 58 47.4
TUC	E(P)	21 59 29.3
APR 28		
CSC	EP	22 22 15.0
APR 28		
TUC	EP	22 25 55.2
	E	25 57.8
APR 28		
TUC	EP	22 30 11.7
	ES	30 31.9
APR 28		
H-22 54 46.4		
17.1S 173.6W		
h ABOUT 35KM		
TUC	EP	23 06 41.5
ALQ	EP	23 07 05.0
COL	IP	23 07 14.8
	I	07 37.3
BRW	EP	23 07 38.7

Date and Station	Phase	(GCT)
		h m s
APR 28		
EUR	E(P)	23 47 11.4
APR 29		
TUC	EP	00 41 38.8
APR 29		
TUC	E(P)	03 14 12.7
APR 29		
TUC	E(P)	03 34 06.3
APR 29		
H-04 16 41.4		
51.8N 175.2E		
h ABOUT 33KM		
COL	EP	04 21 44.9
EUR	IP	04 25 20.0
H-04 29 16.3		
44.5N 127.9W		
h ABOUT 033KM		
EUR	E(P)	04 31 43.8
APR 29		
KIP	E(P)	05 02 04.8
APR 29		
UKI	E(P)	05 21 30.5
EUR	IP	05 22 43.3
APR 29		
H-06 09 31.1		
52.1N 152.2E		
h ABOUT 451KM		
COL	IP	06 15 24.4
	I	16 24.9
EUR	IP	06 19 02.5
BCN	EP	06 19 22.5
TUC	EP	06 19 52.6
ALQ	IP	06 19 55.0
APR 29		
TUC	E(P)	06 53 55.9
APR 29		
H-07 06 35.0		
40.3S 073.6W		
h ABOUT 33KM		
TUC	EP	07 18 43.2
ALQ	IP	07 18 46.6
BCN	EP	07 19 08.7
EUR	IP	07 19 25.2
APR 29		
H-07 23 28.1		
43.2N 142.9E		
h ABOUT 101KM		
COL	EP	07 31 22.5

Date and Station	Phase	(GCT)
		h m s
EUR	EP	07 34 38.4
BCN	EP	07 34 55.7
APR 29		
COL	IP	07 35 22.1
BRW	E(P)	07 36 41.2
APR 29		
H-07 53 01.4		
17.3S 175.1W		
h ABOUT 33KM		
BCN	EP	08 04 57.2
TUC	EP	08 05 03.0
EUR	EP	08 05 04.3
ALQ	IP	08 05 27.0
COL	EP	08 05 32.2
	E	06 12.1
APR 29		
H-08 11 08.1		
01.6N 085.2W		
h ABOUT 33KM		
BHP	IP C	08 13 23.0
	IS	15 09.0
ALQ	E(P)	08 18 31.5
BCN	EP	08 19 13.2
EUR	E(P)	08 19 38.5
APR 29		
TUC	E(P)	08 43 41.1
APR 29		
H-09 44 34.2		
22.1S 179.8E		
h ABOUT 540KM		
KIP	IP	09 52 28.1
BCN	EP	09 56 11.9
	EPP	58 22.4
EUR	IP	09 56 16.9
	EPP	58 27.8
TUC	EP	09 56 16.9
COL	IP	09 56 35.7
	EPP	58 43.9
ALQ	IP	09 56 37.0
APR 29		
BCN	E(P)	09 59 29.8
	E	59 36.5
APR 29		
FGU	EP	10 19 17.0
SLC	EP	10 19 35.9
EUR	EP	10 20 16.9

Date and Station	Phase	(GCT)
		h m s
BCN	E(P)	10 20 23.0
	E	20 33.5
TUC	E(P)	10 21 19.5
APR 29		
H-11 06 00.9		
17.5N 106.3W		
h ABOUT 33KM		
TUC	E(P)	11 09 35.2
EUR	EP	11 11 11.6
APR 29		
GUA	IP	11 19 58.7
	E(S)	20 20.8
APR 29		
H-11 19 25.6		
15.3N 145.6E		
h ABOUT 134KM		
KIP	IP	11 28 35.9
BRW	IP	11 29 55.1
COL	IP	11 30 00.3
EUR	IP	11 31 56.5
BUT	IP	11 31 57.9
BCN	EP	11 32 06.0
SLC	EP	11 32 09.1
TUC	EP	11 32 26.0
RCD	IP D	11 32 30.0
ALQ	EP	11 32 36.8
APR 29		
H-11 28 19.1		
32.5S 179.1W		
h ABOUT 64KM		
BCN	EP	11 41 18.2
TUC	EP	11 41 19.0
	E	41 28.3
EUR	IP	11 41 24.9
APR 29		
TUC	EP	11 30 53.0
APR 29		
H-13 32 18.3		
57.4N 151.1W		
h ABOUT 33KM		
COL	EP	13 34 09.0
EUR	EP	13 38 25.0
APR 29		
H-13 44 40.2		
20.1S 177.4W		
h ABOUT 530KM		
TUC	EP	13 56 08.7

Date and Station	Phase (GCT)
	h m s
EUR EP	13 56 08.8
COL IP	13 56 31.5
APR 29	
H-14 05 06.9	
55.1N 165.8E	
h ABOUT 33KM	
COL IP	14 10 25.7
ALQ E(P)	14 15 17.0
APR 29	
KIP E(P)	14 17 13.7
APR 29	
COL IP	14 52 13.6
H-15 28 43.7	
47.4N 122.3W	
h ABOUT 059KM	
APR 29	
RUT IP	15 30 24.0
IS	31 36.9
UKI EP	15 30 42.2
SLC IP	15 31 09.7
I	31 25.5
I	31 56.7
IL	33 08.7
SIT IP	15 31 43.0
BCN EP	15 31 43.0
RCD EP C	15 31 57.0
ES	34 30.0
ALQ IP	15 32 42.0
TUC IP C	15 32 45.2
ES	36 01.0
COL IP	15 33 37.1
IL	37 38.0
CHK IP	15 34 05.1
E	34 22.7
BRW IP	15 34 38.0
I	34 57.4
IPCP	37 47.8
WSC IP D	15 35 17.8
I	35 35.8
EPP	36 28.8
ES	40 05.8
WAS IP	15 35 19.0
E	35 35.0
PP	36 16.0
ES	40 18.0
CSC IP	15 35 20.0
EPP	36 21.0
E(S)	40 23.0
PHI IP	15 35 27.0
IPP	36 32.7
IS	40 56.4

Date and Station	Phase (GCT)
	h m s
HON IP	15 36 04.4
IPCP	38 16.0
ES	41 49.0
EL	43 57.0
KIP EP	15 36 04.0
SJG EP C	15 38 03.2
E	38 20.7
IPCP	39 08.2
PPCP	39 25.1
IPPP	41 25.2
ES	45 35.5
ESCS	47 43.0
EL	51 20.0
GUA FP	15 40 57.6
E	41 18.0
E(S)	50 57.0
APR 29	
H-15 48 57.1	
5.6S 110.2E	
h ABOUT 504KM	
GUA EP	15 55 43.7
BRW IP	16 01 32.0
COL FP	16 01 51.1
BCN EP'	16 07 10.5
SJG IP'	16 08 06.3
APR 29	
COL IP	16 06 08.4
APR 29	
BCN EP	16 09 39.3
TUC EP	16 09 47.0
I	09 56.0
APR 29	
COL IP	16 18 03.9
E	18 32.1
APR 29	
TUC E(P)	16 23 22.0
E	23 36.5
APR 29	
COL EP	16 23 51.0
APR 29	
HON EP	20 08 54.0
APR 29	
FGU EP	22 08 09.3
ES	08 28.3
APR 29	
ALQ E(P)	22 25 50.0
APR 29	
H-22 32 04.9	
32.6S 177.4W	
h ABOUT 33KM	
BCN EP	22 45 03.0
E	45 13.4
TUC E(P)	22 45 03.4

Date and Station	Phase (GCT)
	h m s
APR 30	
H-00 54 02.8	
02.5N 084.5W	
h ABOUT 33KM	
ALQ E(P)	01 01 21.5
APR 30	
TUC E(P)	01 09 43.5
BCN E(P)	01 10 00.8
EL	11 39.8
APR 30	
TUC E(P)	01 16 49.0
APR 30	
TUC E(P)	01 24 04.0
E	24 43.9
BCN E(P)	01 25 03.6
EL	26 26.6
APR 30	
TUC E(P)	02 21 22.8
ALQ EP	02 22 46.0
APR 30	
TUC E(P)	02 24 33.5
APR 30	
TUC E(P)	02 30 39.5
APR 30	
ALQ EP	02 32 05.0
APR 30	
TUC E(P)	02 35 05.0
BCN E(P)	02 35 43.0
EL	36 54.0
APR 30	
TUC E(P)	02 39 31.0
BCN E(P)	02 40 02.0
IL	41 14.0
APR 30	
SLC E(P)	02 43 50.5
APR 30	
TUC E(P)	03 04 22.0
APR 30	
TUC E(P)	03 12 05.0
APR 30	
HON EP	03 22 51.0
APR 30	
COL EP	03 25 33.0
APR 30	
TUC E(P)	03 54 32.5
APR 30	
ALQ EP	04 11 11.0
APR 30	
TUC E(P)	06 10 41.0

Date and Station	Phase (GCT)
	h m s
BCN E(P)	06 11 21.4
E	11 26.5
IL	12 29.0
APR 30	
APR 30	
COL EP	06 11 50.0
GUA IP	06 15 14.7
ES	15 27.2
APR 30	
H-07 13 23.1	
28.3N 096.0E	
h ABOUT 33KM	
BRW E(P)	07 24 26.2
COL EP	07 25 02.0
APR 30	
GUA EP	09 33 16.1
ES	33 41.0
APR 30	
COL EP	10 21 06.0
APR 30	
H-11 45 27.1	
10.9N 062.4W	
h ABOUT 86KM	
SJG EP	11 47 23.5
I	47 49.0
IS	48 48.0
ALQ IP	11 53 48.8
TUC EP	11 54 09.0
BCN EP	11 54 41.6
BOZ FP	11 54 46.1
APR 30	
COL IP	12 02 33.8
APR 30	
COL IP	12 43 53.2
APR 30	
KIP E	13 12 28.9
I	12 38.5
APR 30	
COL EP	14 39 06.0
APR 30	
SIT EP	15 17 37.6
E(S)	17 44.5
APR 30	
TUC E(P)	15 50 29.5
E	51 09.5
APR 30	
TUC E(P)	15 55 14.8
BCN E(P)	15 56 16.0
IL	57 03.8

Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)
	h m s		h m s		h m s		h m s
APR 30 H-16 00 57.5 51.6N 175.0E h ABOUT 33KM							
COL EP	16 06 02.5						
BRW IP	16 06 05.0						
BOZ EP	16 09 27.0						
BCN EP	16 10 00.0						
TUC EP	16 10 35.0						
ALQ EP	16 10 40.5						
APR 30 BRW EP	19 19 18.2						
APR 30 H-19 30 14.5 30.9N 142.0E h ABOUT 38KM							
COL EP	19 39 38.0						
APR 30 BOZ E(P)	21 40 13.0						