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# SEISMOLOGICAL BULLETIN

June, 1965

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COAST & GEODETIC SURVEY
MAR 22 1966
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COAST AND GEODETIC SURVEY—WASHINGTON

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# National Oceanic and Atmospheric Administration

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March 4, 2011

# SEISMOLOGICAL BULLETIN

## 1965

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.
Bureau of Reclamation
*Bozeman, Mont. (BOZ) WWNSS
*Bozeman, Mont. (BZM)
Montana School of Mines
*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 Latitude Observatory
Washington, D. C. (WAS)
Washington Science Center, Md. (WSC)

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

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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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

All magnitudes are $m_b$ 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.

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 |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 1 | 00 32 57.6 | 9.1 S | 150.3 E | 38 | 5.3 | EAST NEW GUINEA REGION. |
| 1 | 01 51 00.0 | 15.0 S | 167.4 E | 136 | 4.5 | NEW HEBRIDES ISLANDS. |
| 1 | 04 32 42.8 | 20.3 N | 95.0 E | 33 | 5.5 | BURMA. |
| 1 | 04 33 05.5 | 20.4 N | 95.0 E | 33 | 4.6 | BURMA. |
| 1 | 07 52 24.2 | 28.5 N | 83.2 E | 20 | 5.3 | NEPAL. |
| 1 | 09 29 07.0 | 14.8 S | 167.8 E | 19 | 4.5 | NEW HEBRIDES ISLANDS. |
| 1 | 09 42 03.5 | 44.7 N | 110.9 W | 33 | 3.9 | YELLOWSTONE NATIONAL PARK, WYO. |
| 1 | 12 03 15.2 | 18.0 S | 178.4 W | 609 | 4.1 | FIJI ISLANDS REGION. |
| 1 | 12 33 39* | 44.7 N | 129.7 W | 33 | 4.9 | OFF COAST OF OREGON. |
| 1 | 13 05 14.4 | 5.7 S | 152.0 E | 51 | 4.9 | NEW BRITAIN REGION. |
| 1 | 15 10 56.2 | 6.9 N | 73.1 W | 152 | 4.2 | NORTHERN COLOMBIA. |
| 1 | 15 18 36.0 | 37.9 N | 26.6 W | 33 | 4.9 | AZORES ISLANDS. |
| 1 | 15 37 56* | 5.7 S | 151.9 E | 50 | 4.9 | NEW BRITAIN REGION. |
| 1 | 15 41 23* | 18.7 N | 144.9 E | 306 | 4.2 | MARIANA ISLANDS. |
| 1 | 16 29 00.0 | 19.9 S | 174.1 W | 59 | 4.8 | TONGA ISLANDS. |
| 1 | 18 25 07* | 15.6 S | 173.4 W | 33 | 4.9 | TONGA ISLANDS. FELT AT APIA. |
| 1 | 19 41 37.9 | 65.1 N | 147.0 W | 33 | 4.0 | ALASKA. FELT IN VICINITY OF FAIRBANKS. |
| 2 | 00 43 04.3 | 62.1 N | 151.4 W | 24 | 4.5 | CENTRAL ALASKA. |
| 2 | 02 05 31.4 | 38.7 S | 73.4 W | 18 | 5.1 | NEAR COAST OF CENTRAL CHILE. FELT. |
| 2 | 03 18 04.5 | 14.9 S | 172.8 W | 33 | 4.9 | SAMOA ISLANDS. |
| 2 | 05 12 59.2 | 23.5 S | 180.0 E | 538 | 5.6 | SOUTH OF FIJI ISLANDS. MAG. 5 1/2 (BRK). |
| 2 | 09 19 13.7 | 18.0 S | 179.4 W | 630 | 4.7 | FIJI ISLANDS REGION. |
| 2 | 09 19 32.6 | 18.2 S | 179.3 W | 631 | 5.4 | FIJI ISLANDS REGION. |
| 2 | 12 30 44* | 16.0 N | 96.7 W | 33 | 3.8 | OAXACA, MEXICO. |
| 2 | 12 40 00.8 | 16.2 S | 172.9 W | 33 | 4.7 | SAMOA ISLANDS REGION. |
| 2 | 13 57 51.3 | 4.6 S | 105.9 W | 33 | 5.0 | NORTHERN EASTER I. CORDILLERA. MAG. 4 1/2-5 (BRK). |
| 2 | 14 06 07* | 4.3 S | 105.8 W | 33 | 4.7 | NORTHERN EASTER I. CORDILLERA. |
| 2 | 14 29 29* | 52.4 N | 170.4 W | 33 | 4.1 | FOX ISLANDS, ALEUTIAN ISLANDS. |
| 2 | 14 45 56.2 | 18.0 S | 179.4 W | 636 | 5.3 | FIJI ISLANDS REGION. |
| 2 | 14 58 33.3 | 18.1 S | 179.4 W | 636 | 5.4 | FIJI ISLANDS REGION. MAG. 4 1/2 (BRK). |
| 2 | 17 05 51.2 | 17.9 S | 179.3 W | 636 | 4.4 | FIJI ISLANDS REGION. |
| 2 | 17 43 38.7 | 15.8 N | 46.7 W | 32 | 4.6 | NORTH ATLANTIC RIDGE. |
| 2 | 20 24 49.7 | 21.0 N | 120.8 E | 33 | 4.8 | TAIWAN REGION. |
| 2 | 20 47 07.2 | 38.9 N | 117.9 W | 33 | 4.1 | NEVADA. MAG. 3 3/4-4 (BRK). |
| 2 | 21 28 00* | 42.1 N | 69.5 E | 33 | 4.7 | CENTRAL KAZAKH SSR. |
| 2 | 23 00 50* | 15.7 N | 46.5 W | 33 | 4.4 | NORTH ATLANTIC RIDGE. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 2 | 23 40 23.5 | 15.9 N | 46.6 W | 33 | 5.8 | NORTH ATLANTIC RIDGE. MAG. 5 3/4 (BRK), 5 1/4-5 1/2 (PAL). |
| 3 | 04 13 39* | 51.1 N | 175.0 E | 38 | 4.5 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 3 | 04 45 09.8 | 8.8 S | 157.1 E | 20 | 5.4 | SOLOMON ISLANDS. |
| 3 | 07 14 59* | 16.1 N | 46.7 W | 33 | 4.6 | NORTH ATLANTIC RIDGE. |
| 3 | 07 20 23* | 40.5 S | 84.6 W | 33 | 5.0 | SOUTHEAST CENTRAL PACIFIC OCEAN. |
| 3 | 07 43 38.2 | 52.0 N | 175.8 E | 49 | 5.5 | RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 5 (BRK). |
| 3 | 08 00 54* | 50.1 N | 155.8 E | 33 | 4.2 | KURILE ISLANDS. |
| 3 | 08 33 13* | 15.4 N | 46.4 W | 33 | 4.2 | NORTH ATLANTIC RIDGE. |
| 3 | 09 32 56* | 15.8 N | 45.6 W | 33 | 4.4 | NORTH ATLANTIC RIDGE. |
| 3 | 10 42 29.2 | 16.1 N | 46.7 W | 33 | 4.8 | NORTH ATLANTIC RIDGE. |
| 3 | 10 57 08.5 | 18.5 N | 70.3 W | 27 | 5.3 | DOMINICAN REPUBLIC REGION. FELT IN SANTO DOMINGO AREA. MAG. 5-5 1/4 (BRK), 4 1/2 (PAL). |
| 3 | 12 12 37* | 13.1 S | 76.8 W | 82 | 4.2 | NEAR COAST OF PERU. |
| 3 | 12 28 13.0 | 16.2 N | 46.8 W | 33 | 4.9 | NORTH ATLANTIC RIDGE. |
| 3 | 13 24 24.1 | 44.8 N | 150.8 E | 21 | 4.3 | KURILE ISLANDS REGION. |
| 3 | 14 38 02.0 | 6.2 S | 155.0 E | 104 | 4.5 | SOLOMON ISLANDS. |
| 3 | 14 49 55* | 16.7 N | 46.8 W | 33 | 4.4 | NORTH ATLANTIC RIDGE. |
| 3 | 15 11 27.2 | 16.0 N | 46.7 W | 33 | 4.5 | NORTH ATLANTIC RIDGE. |
| 3 | 15 58 09.0 | 42.9 S | 16.2 W | 33 | | SOUTH ATLANTIC RIDGE. |
| 3 | 16 26 29.0 | 38.3 N | 119.2 W | 33 | 4.8 | CALIFORNIA-NEVADA BORDER REGION. FELT AT HAWTHORNE, NEVADA AND FRESNO, CALIFORNIA. MAG. 4 1/2 (PAS), 4 1/2-4 3/4 (BRK). |
| 3 | 16 31 02.8 | 38.4 N | 119.2 W | 33 | 4.7 | CALIFORNIA-NEVADA BORDER REGION. FELT AT HAWTHORNE, NEVADA. MAG. 4 1/4 (PAS), 4-4 1/4 (BRK). |
| 3 | 18 31 50.7 | 39.8 N | 23.2 E | 31 | 4.7 | AEGEAN SEA. FELT OVER AN AREA OF 40,000 SQUARE KM. |
| 3 | 19 30 25.8 | 43.6 N | 106.5 W | 33 | 4.7 | WYOMING. |
| 3 | 20 30 37.9 | 44.0 N | 145.3 E | 143 | 4.6 | HOKKAIDO, JAPAN REGION. |
| 3 | 21 06 51.0 | 45.2 N | 110.9 W | 33 | | MONTANA. |
| 3 | 21 38 45* | 16.2 N | 46.2 W | 33 | 4.6 | NORTH ATLANTIC RIDGE. |
| 3 | 21 59 58.5 | 28.1 S | 150.1 E | 33 | 4.4 | QUEENSLAND, AUSTRALIA. |
| 4 | 00 46 27* | 1.3 S | 16.4 W | 33 | 5.1 | NORTH OF ASCENSION ISLAND. |
| 4 | 00 48 31* | 17.7 N | 47.5 W | 33 | 4.5 | NORTH ATLANTIC RIDGE. |
| 4 | 06 05 15* | 16.1 N | 46.8 W | 33 | 4.2 | NORTH ATLANTIC RIDGE. |
| 4 | 08 05 36.4 | 44.3 S | 75.8 W | 33 | 5.4 | OFF COAST OF SOUTHERN CHILE. |
| 4 | 08 57 32* | 53.1 N | 174.9 E | 33 | 4.1 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 4 | 10 34 17.5 | 16.0 N | 46.7 W | 33 | 4.4 | NORTH ATLANTIC RIDGE. |
| 4 | 13 16 39* | 61.7 N | 146.2 W | 45 | 3.8 | SOUTHERN ALASKA. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 4 | 13 31 13.0 | 18.0 N | 146.4 E | 62 | 4.9 | MARIANA ISLANDS. |
| 4 | 13 57 51* | 79.3 N | 12.6 W | 27 | 3.9 | GREENLAND SEA. |
| 4 | 14 14 22* | 51.2 N | 178.5 E | 33 | 4.3 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 4 | 14 26 16.2 | 51.1 N | 178.7 E | 49 | 4.6 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 4 | 14 53 28* | 9.1 S | 79.1 W | 33 | 4.3 | OFF COAST OF NORTHERN PERU. |
| 4 | 15 02 17.9 | 51.1 N | 178.5 E | 35 | 5.3 | RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 4 3/4 (BRK). |
| 4 | 15 26 54.3 | 29.9 S | 178.9 W | 222 | 5.3 | KERMADEC ISLANDS REGION. |
| 4 | 15 56 56* | 31.7 N | 95.2 E | 33 | 5.0 | TIBET. |
| 4 | 17 24 47.5 | 20.9 S | 178.1 W | 554 | 5.2 | FIJI ISLANDS REGION. |
| 4 | 18 40 58.0 | 32.4 N | 55.5 E | 18 | 4.8 | IRAN. |
| 4 | 22 55 01.8 | 52.0 N | 177.3 E | 33 | 4.4 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 4 | 23 47 57* | 19.1 S | 177.1 W | 378 | 5.1 | FIJI ISLANDS REGION. |
| 5 | 00 16 44.1 | 15.6 S | 167.7 E | 125 | 5.2 | NEW HEBRIDES ISLANDS. |
| 5 | 01 06 54.8 | 51.9 N | 175.7 E | 22 | 4.3 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 5 | 03 49 02.0 | 1.6 S | 126.7 E | 26 | 5.5 | MOLUCCA SEA. |
| 5 | 06 43 57.6 | 6.2 S | 151.2 E | 42 | 4.8 | NEW BRITAIN REGION. FELT AT RABAUL. |
| 5 | 10 08 40.4 | 17.3 N | 46.0 W | 33 | 4.4 | NORTH ATLANTIC RIDGE. |
| 5 | 11 13 47.6 | 15.8 S | 174.7 W | 295 | 5.0 | TONGA ISLANDS. |
| 5 | 12 09 05* | 7.7 N | 36.1 W | 33 | 4.2 | CENTRAL MID-ATLANTIC RIDGE. |
| 5 | 12 39 17.5 | 60.1 S | 18.4 W | 33 | | SOUTHWESTERN ATLANTIC OCEAN. |
| 5 | 13 00 23.1 | 60.0 S | 18.6 W | 33 | | SOUTHWESTERN ATLANTIC OCEAN. |
| 5 | 14 42 54.0 | 4.2 S | 153.1 E | 49 | 5.1 | NEW IRELAND REGION. |
| 5 | 20 41 08* | 13.8 S | 71.5 W | 75 | 4.2 | PERU. |
| 5 | 23 02 40* | 41.6 N | 127.4 W | 33 | 4.1 | OFF COAST OF NORTHERN CALIFORNIA. |
| 6 | 03 20 03.3 | 47.1 N | 145.6 E | 340 | 4.3 | SEA OF OKHOTSK. |
| 6 | 03 37 37* | 12.7 N | 90.1 W | 30 | 4.0 | OFF COAST OF CENTRAL AMERICA. |
| 6 | 05 07 58* | 19.0 N | 102.9 W | 146 | 4.1 | MICHOACAN, MEXICO. |
| 6 | 05 36 28* | 56.4 N | 161.0 W | 33 | 4.2 | ALASKA PENINSULA. |
| 6 | 06 10 31.5 | 23.7 S | 66.2 W | 122 | 4.7 | JUJUY PROVINCE, ARGENTINA. |
| 6 | 08 34 17* | 11.1 N | 87.2 W | 33 | 4.6 | NEAR COAST OF NICARAGUA. |
| 6 | 11 21 17.7 | 22.8 N | 121.4 E | 38 | 4.8 | TAIWAN REGION. |
| 6 | 12 32 20* | 32.9 S | 70.4 W | 88 | 4.0 | CHILE-ARGENTINA BORDER REGION. FELT IN CHILE. |
| 6 | 13 30 59* | 32.3 S | 70.3 W | 109 | 4.3 | CHILE-ARGENTINA BORDER REGION. FELT IN CHILE. |
| 6 | 15 46 40.3 | 35.6 N | 23.7 E | 86 | 4.1 | CRETE. |
| 6 | 18 13 05.7 | 24.4 N | 141.1 E | 102 | 4.7 | VOLCANO ISLANDS REGION. |
| 6 | 20 29 56.5 | 36.0 N | 70.3 E | 121 | 4.6 | HINDU KUSH REGION. |
| 6 | 21 29 49* | 25.1 S | 179.4 E | 600 | 4.0 | SOUTH OF FIJI ISLANDS. |

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|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 6 | 21 41 37.2 | 1.4 S | 80.5 W | 54 | 4.3 | NEAR COAST OF ECUADOR. |
| 6 | 22 27 32* | 23.0 S | 67.5 W | 182 | 4.1 | CHILE-ARGENTINA BORDER REGION. |
| 6 | 23 14 06.4 | 41.7 N | 141.9 E | 65 | 4.4 | HOKKAIDO, JAPAN REGION. |
| 7 | 04 50 46.9 | 46.9 N | 152.9 E | 33 | 4.7 | KURILE ISLANDS. |
| 7 | 06 17 26.5 | 30.9 S | 179.8 W | 325 | 4.4 | KERMADEC ISLANDS. |
| 7 | 07 41 48* | 10.4 N | 86.0 W | 33 | 4.7 | OFF COAST OF COSTA RICA. |
| 7 | 08 19 25.6 | 51.1 N | 176.6 E | 17 | 4.3 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 7 | 10 19 05.5 | 4.7 S | 103.2 E | 110 | | SOUTHERN SUMATRA. |
| 7 | 12 15 57* | 25.5 S | 179.4 E | 598 | 3.7 | SOUTH OF FIJI ISLANDS. |
| 7 | 13 15 27* | 16.5 S | 178.9 W | 33 | 4.4 | FIJI ISLANDS REGION. |
| 7 | 13 43 57.9 | 11.3 N | 41.6 E | 57 | 5.1 | ETHIOPIA. |
| 7 | 14 28 01.3 | 36.1 N | 112.2 W | 33 | | WESTERN ARIZONA. |
| 7 | 15 12 54.1 | 17.7 S | 178.8 W | 560 | 5.2 | FIJI ISLANDS REGION. |
| 7 | 16 06 20.7 | 30.6 N | 49.5 E | 41 | | WESTERN IRAN. |
| 7 | 17 50 44.1 | 23.1 S | 64.9 W | 46 | 4.5 | JUJUY PROVINCE, ARGENTINA. |
| 7 | 17 59 15.7 | 46.9 N | 113.2 W | 33 | | MONTANA. |
| 7 | 18 44 56.6 | 19.2 N | 108.1 W | 33 | 4.3 | REVILLA GIGEDO ISLANDS REGION. |
| 7 | 19 06 59* | 18.6 N | 108.1 W | 33 | 4.1 | REVILLA GIGEDO ISLANDS REGION. |
| 7 | 19 36 53* | 19.3 N | 106.8 W | 33 | 3.6 | OFF COAST OF JALISCO, MEXICO. |
| 7 | 19 55 33.5 | 36.3 N | 71.1 E | 122 | | AFGHANISTAN-USSR BORDER REGION. |
| 7 | 20 05 38* | 18.8 N | 107.8 W | 33 | 3.8 | OFF COAST OF JALISCO, MEXICO. |
| 7 | 21 48 58* | 19.0 N | 108.0 W | 33 | 3.7 | REVILLA GIGEDO ISLANDS REGION. |
| 7 | 22 23 22* | 19.2 N | 107.8 W | 33 | 3.9 | OFF COAST OF JALISCO, MEXICO. |
| 8 | 01 26 00* | 11.0 N | 86.8 W | 33 | 4.7 | NEAR COAST OF NICARAGUA. |
| 8 | 06 14 33.6 | 36.4 N | 141.5 E | 26 | 4.1 | NEAR EAST COAST OF HONSHU, JAPAN. FELT. |
| 8 | 07 45 44* | 31.8 S | 180.0 E | 407 | | KERMADEC ISLANDS. |
| 8 | 08 41 30* | 51.2 N | 175.9 E | 49 | 4.2 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 8 | 09 15 15* | 13.4 N | 91.8 W | 42 | 3.7 | NEAR COAST OF GUATEMALA. |
| 8 | 12 14 12.1 | 1.5 S | 126.7 E | 48 | 4.8 | MOLUCCA SEA. |
| 8 | 12 29 26.9 | 1.5 S | 126.8 E | 35 | 4.7 | MOLUCCA SEA. |
| 8 | 12 41 41* | 42.1 N | 126.6 W | 33 | 4.7 | OFF COAST OF OREGON. |
| 8 | 12 42 21.9 | 41.8 N | 127.0 W | 33 | 5.1 | OFF COAST OF NORTHERN CALIFORMIA. |
| 8 | 13 24 56* | 22.9 N | 108.5 W | 33 | 4.2 | OFF COAST OF CENTRAL MEXICO. |
| 8 | 13 39 56.8 | 23.2 N | 108.4 W | 33 | 5.1 | GULF OF CALIFORNIA. MAG. 4 1/4-4 1/2 (BRK), 5 1/2-5 3/4 (PAL). |
| 8 | 22 05 07* | 34.0 N | 33.7 E | 33 | | CYPRUS. |
| 8 | 23 24 32.0 | 46.8 N | 152.6 E | 67 | 5.1 | KURILE ISLANDS. |
| 9 | 04 52 30* | 32.3 S | 71.8 W | 33 | 4.2 | NEAR COAST OF CENTRAL CHILE. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 9 | 08 04 30.5 | 25.8 S | 70.5 W | 58 | 4.6 | NEAR COAST OF NORTHERN CHILE. FELT AT COPIAPO. |
| 9 | 08 34 14* | 51.0 N | 178.7 E | 33 | 4.0 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 9 | 12 31 24* | 51.5 N | 174.6 E | 33 | 4.3 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 9 | 13 26 52.4 | 52.6 N | 173.3 E | 25 | 5.6 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 9 | 15 54 52.4 | 31.9 S | 179.5 W | 168 | 4.9 | KERMADEC ISLANDS. |
| 9 | 16 58 44.8 | 19.2 S | 175.6 W | 238 | 5.4 | TONGA ISLANDS. |
| 9 | 19 04 55.5 | 8.6 S | 127.4 E | 33 | 5.5 | TIMOR. |
| 9 | 20 57 47* | 36.6 N | 70.1 E | 241 | | HINDU KUSH REGION. |
| 9 | 22 44 16.7 | 23.9 S | 176.3 W | 45 | 4.8 | SOUTH OF FIJI ISLANDS. |
| 10 | 04 35 40.0 | 18.2 S | 174.7 W | 131 | 4.6 | TONGA ISLANDS. |
| 10 | 05 48 57.1 | 36.1 N | 70.5 E | 92 | 5.8 | HINDU KUSH REGION. |
| 10 | 06 23 05.3 | 63.5 N | 144.0 W | 35 | 4.5 | CENTRAL ALASKA. |
| 10 | 11 54 15* | 10.9 S | 164.6 E | 16 | | SANTA CRUZ ISLANDS REGION. |
| 10 | 12 30 27.9 | 10.9 S | 164.6 E | 21 | 4.0 | SANTA CRUZ ISLANDS REGION. |
| 10 | 14 04 53.1 | 36.4 N | 70.5 E | 207 | 4.6 | HINDU KUSH REGION. |
| 10 | 14 12 55* | 52.5 N | 173.9 W | 33 | 3.9 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| 10 | 15 16 47.7 | 1.8 N | 126.5 E | 77 | 5.0 | MOLUCCA PASSAGE. |
| 10 | 15 24 17.9 | 36.5 N | 26.7 E | 151 | 4.9 | DODECANESE ISLANDS. |
| 10 | 20 33 59.7 | 46.3 N | 27.6 W | 36 | 4.9 | NORTH ATLANTIC RIDGE. |
| 10 | 20 53 42* | 18.9 N | 70.1 W | 63 | 3.7 | DOMINICAN REPUBLIC REGION. |
| 10 | 21 45 58* | 51.1 N | 178.1 E | 33 | 3.8 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 10 | 23 01 42.2 | 17.1 S | 167.2 E | 30 | | NEW HEBRIDES ISLANDS. |
| 10 | 23 14 26.7 | 51.4 N | 178.8 W | 42 | 5.3 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| 11 | 01 34 22.6 | 34.8 S | 107.3 W | 31 | 5.1 | EASTER ISLAND CORDILLERA. |
| 11 | 02 37 35.3 | 51.9 N | 174.2 E | 35 | 5.5 | NEAR ISLANDS, ALEUTIAN ISLANDS. MAG. 5-5 1/4 (BRK). |
| 11 | 03 14 37* | 51.6 N | 173.9 E | 33 | 4.5 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 11 | 03 20 48.5 | 17.1 S | 174.0 W | 95 | 4.5 | TONGA ISLANDS. |
| 11 | 03 33 45.8 | 44.7 N | 148.9 E | 50 | 6.0 | KURILE ISLANDS. FELT ON HOKKAIDO. MAG. 6 3/4 (PAS), 6 1/2 (BRK), 7 1/4 (PAL). |
| 11 | 03 41 02.3 | 44.5 N | 149.0 E | 33 | 5.7 | KURILE ISLANDS. |
| 11 | 03 44 30.7 | 44.2 N | 149.5 E | 33 | 5.4 | KURILE ISLANDS. |
| 11 | 03 46 50* | 44.3 N | 149.5 E | 33 | 4.5 | KURILE ISLANDS. |
| 11 | 03 52 55.3 | 44.4 N | 149.5 E | 33 | 5.4 | KURILE ISLANDS. |
| 11 | 04 00 44.8 | 44.3 N | 149.2 E | 33 | 5.1 | KURILE ISLANDS. |
| 11 | 04 03 14.8 | 44.4 N | 149.1 E | 33 | 5.4 | KURILE ISLANDS. |
| 11 | 04 14 49.6 | 44.3 N | 149.1 E | 32 | 5.3 | KURILE ISLANDS. |
| 11 | 04 44 56.9 | 44.7 N | 149.6 E | 56 | 5.7 | KURILE ISLANDS. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 11 | 04 57 55.0 | 44.4 N | 149.7 E | 33 | 4.2 | KURILE ISLANDS. |
| 11 | 04 59 36.6 | 44.6 N | 149.5 E | 33 | 4.7 | KURILE ISLANDS. |
| 11 | 05 20 26* | 44.4 N | 149.2 E | 33 | 4.2 | KURILE ISLANDS. |
| 11 | 05 26 46.7 | 44.3 N | 149.8 E | 8 | 4.3 | KURILE ISLANDS. |
| 11 | 05 44 58.1 | 44.2 N | 149.6 E | 31 | 4.8 | KURILE ISLANDS. |
| 11 | 05 57 05.7 | 44.1 N | 149.6 E | 15 | 5.0 | KURILE ISLANDS. |
| 11 | 06 04 22.1 | 44.1 N | 149.2 E | 31 | 4.8 | KURILE ISLANDS. |
| 11 | 06 48 09* | 44.7 N | 149.3 E | 33 | 4.1 | KURILE ISLANDS. |
| 11 | 07 11 05.2 | 44.4 N | 149.2 E | 42 | 5.6 | KURILE ISLANDS. |
| 11 | 07 27 44.0 | 44.3 N | 149.5 E | 35 | 5.5 | KURILE ISLANDS. |
| 11 | 08 16 27* | 44.4 N | 149.5 E | 33 | 4.4 | KURILE ISLANDS. |
| 11 | 08 32 55* | 44.0 N | 149.2 E | 33 | 4.2 | KURILE ISLANDS. |
| 11 | 08 40 59.6 | 44.3 N | 149.2 E | 37 | 5.5 | KURILE ISLANDS. |
| 11 | 08 53 26.1 | 17.6 S | 70.3 W | 56 | 4.1 | NEAR COAST OF PERU. |
| 11 | 08 56 44.8 | 44.0 N | 149.2 E | 22 | 4.6 | KURILE ISLANDS. |
| 11 | 09 07 55.7 | 44.0 N | 149.8 E | 33 | 4.4 | KURILE ISLANDS. |
| 11 | 09 59 31.4 | 44.0 N | 149.0 E | 32 | 4.8 | KURILE ISLANDS. |
| 11 | 10 05 15* | 44.9 N | 149.4 E | 33 | 4.0 | KURILE ISLANDS. |
| 11 | 10 16 39.2 | 44.4 N | 149.4 E | 39 | 5.2 | KURILE ISLANDS. |
| 11 | 10 19 49.0 | 44.4 N | 149.5 E | 43 | 5.4 | KURILE ISLANDS. |
| 11 | 10 21 38.1 | 44.4 N | 149.6 E | 33 | 5.1 | KURILE ISLANDS. |
| 11 | 10 41 09.2 | 44.2 N | 149.6 E | 37 | 4.9 | KURILE ISLANDS. |
| 11 | 11 06 38.5 | 44.4 N | 149.0 E | 33 | 4.2 | KURILE ISLANDS. |
| 11 | 11 59 59.4 | 44.4 N | 149.2 E | 17 | 5.3 | KURILE ISLANDS. |
| 11 | 12 37 22.4 | 44.4 N | 149.1 E | 42 | 4.3 | KURILE ISLANDS. |
| 11 | 12 45 36.1 | 44.5 N | 149.0 E | 33 | 4.4 | KURILE ISLANDS. |
| 11 | 12 46 55.0 | 46.5 N | 149.8 E | 33 | 5.1 | KURILE ISLANDS. |
| 11 | 12 54 23.5 | 44.1 N | 150.2 E | 33 | 4.1 | KURILE ISLANDS REGION. |
| 11 | 13 44 06.5 | 44.4 N | 149.2 E | 33 | 4.4 | KURILE ISLANDS. |
| 11 | 14 02 58.8 | 13.0 N | 121.3 E | 33 | 4.6 | MINDORO, PHILIPPINE ISLANDS. |
| 11 | 14 28 55.9 | 44.6 N | 149.0 E | 33 | 4.1 | KURILE ISLANDS. |
| 11 | 14 32 10* | 49.5 N | 155.7 E | 33 | 4.6 | KURILE ISLANDS. |
| 11 | 15 39 32.9 | 44.1 N | 149.2 E | 39 | 4.7 | KURILE ISLANDS. |
| 11 | 15 43 09.1 | 24.8 N | 95.5 E | 124 | 5.3 | BURMA. |
| 11 | 16 09 03* | 44.5 N | 149.2 E | 33 | 4.5 | KURILE ISLANDS. |
| 11 | 16 21 17.0 | 51.8 N | 176.4 E | 33 | 4.6 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 11 | 17 12 11.5 | 44.3 N | 149.1 E | 54 | 4.5 | KURILE ISLANDS. |
| 11 | 18 06 03* | 44.6 N | 149.3 E | 33 | 4.3 | KURILE ISLANDS. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 11 | 18 29 44.0 | 44.3 N | 149.3 E | 33 | 4.6 | KURILE ISLANDS. |
| 11 | 19 45 00.0 | | | | | 37° 02' 34"N. 116° 01' 01"W. NEVADA TEST SITE. "PETRAL". SHOT ELEVATION 1041.2 METERS (AEC). |
| 11 | 20 44 20.9 | 44.3 N | 149.1 E | 39 | 4.9 | KURILE ISLANDS. |
| 11 | 22 33 07* | 13.2 N | 91.0 W | 33 | 3.9 | NEAR COAST OF GUATEMALA. |
| 11 | 22 52 27.7 | 44.2 N | 149.5 E | 33 | 5.3 | KURILE ISLANDS. |
| 12 | 00 20 59.7 | 44.5 N | 149.0 E | 52 | 5.0 | KURILE ISLANDS. |
| 12 | 00 41 32.9 | 43.2 N | 77.2 E | 14 | | ALMA-ATA REGION. |
| 12 | 02 03 06.1 | 44.7 N | 149.2 E | 33 | 4.6 | KURILE ISLANDS. |
| 12 | 02 44 39.7 | 10.8 S | 166.1 E | 133 | 5.3 | SANTA CRUZ ISLANDS. |
| 12 | 03 09 44.5 | 44.1 N | 149.2 E | 25 | 5.0 | KURILE ISLANDS. |
| 12 | 05 08 47* | 45.6 N | 151.4 E | 37 | 3.8 | KURILE ISLANDS. |
| 12 | 05 28 26.6 | 44.7 N | 149.5 E | 33 | 4.3 | KURILE ISLANDS. |
| 12 | 05 28 36.5 | 44.3 N | 149.8 E | 14 | 5.5 | KURILE ISLANDS. |
| 12 | 05 40 55.9 | 44.1 N | 149.3 E | 24 | 5.8 | KURILE ISLANDS. |
| 12 | 06 03 34.0 | 44.3 N | 149.1 E | 39 | 5.2 | KURILE ISLANDS. |
| 12 | 06 19 23.0 | 41.9 N | 131.9 E | 503 | 4.6 | SEA OF JAPAN. |
| 12 | 06 46 27.1 | 44.2 N | 149.1 E | 46 | 5.0 | KURILE ISLANDS. |
| 12 | 06 51 36.5 | 20.8 S | 173.9 W | 63 | 5.0 | TONGA ISLANDS. |
| 12 | 06 57 03* | 45.4 N | 149.4 E | 33 | 4.4 | KURILE ISLANDS. |
| 12 | 07 51 13.7 | 44.4 N | 149.1 E | 33 | 4.2 | KURILE ISLANDS. |
| 12 | 08 01 57* | 44.2 N | 149.3 E | 33 | 4.2 | KURILE ISLANDS. |
| 12 | 08 08 12* | 44.7 N | 149.1 E | 33 | 4.0 | KURILE ISLANDS. |
| 12 | 09 20 29* | 44.3 N | 149.4 E | 33 | 3.9 | KURILE ISLANDS. |
| 12 | 10 31 07.3 | 20.0 N | 72.7 W | 33 | 4.6 | HAITI REGION. |
| 12 | 10 42 25* | 44.9 N | 149.4 E | 33 | 4.0 | KURILE ISLANDS. |
| 12 | 10 49 14* | 18.5 N | 65.8 W | 108 | 3.9 | PUERTO RICO REGION. |
| 12 | 10 59 16.9 | 19.2 N | 64.9 W | 25 | 5.4 | VIRGIN ISLANDS. |
| 12 | 14 27 30* | 19.3 N | 65.0 W | 33 | 4.0 | PUERTO RICO REGION. |
| 12 | 16 13 50* | 52.3 N | 172.3 E | 33 | 4.2 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 12 | 16 35 43.8 | 13.7 N | 91.0 W | 33 | 4.5 | NEAR COAST OF GUATEMALA. |
| 12 | 17 54 48.9 | 6.0 S | 105.4 E | 33 | 4.8 | SUNDA STRAIT. |
| 12 | 18 42 39.9 | 44.3 N | 149.0 E | 51 | 4.8 | KURILE ISLANDS. |
| 12 | 18 45 43.2 | 44.1 N | 149.3 E | 34 | 5.6 | KURILE ISLANDS. |
| 12 | 18 50 11.7 | 20.5 S | 69.3 W | 102 | 5.8 | NORTHERN CHILE. MAG. 6 1/2 (PAS), 5 1/4 (PAL). |
| 12 | 21 08 51* | 44.3 N | 148.6 E | 33 | 4.1 | KURILE ISLANDS. |
| 12 | 22 16 42.4 | 44.2 N | 149.2 E | 16 | 5.3 | KURILE ISLANDS. |
| 13 | 00 45 32* | 14.4 S | 172.7 W | 33 | 4.1 | SAMOA ISLANDS. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 13 | 01 42 40.9 | 39.0 N | 112.2 W | 33 | | UTAH. |
| 13 | 01 50 49* | 9.6 N | 126.4 E | 53 | 5.1 | MINDANAO, PHILIPPINE ISLANDS. |
| 13 | 02 20 49.0 | 44.3 N | 149.3 E | 20 | 5.5 | KURILE ISLANDS. |
| 13 | 02 55 39* | 51.7 N | 171.9 E | 10 | 4.2 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 13 | 04 21 28.1 | 33.6 N | 69.4 E | 50 | 4.9 | AFGHANISTAN. |
| 13 | 07 06 13.9 | 41.8 N | 143.5 E | 34 | 6.0 | HOKKAIDO, JAPAN REGION. FELT. MAG. 5 3/4 (BRK), 6 (PAL). |
| 13 | 08 19 28.9 | 41.1 N | 70.9 E | 49 | 4.4 | KIRGIZ SSR. |
| 13 | 10 59 43.5 | 43.5 N | 139.6 E | 158 | 4.4 | EASTERN SEA OF JAPAN. |
| 13 | 16 15 21* | 51.2 N | 177.7 E | 33 | 4.5 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 13 | 17 28 45.0 | 21.0 N | 120.2 E | 33 | 4.2 | TAIWAN REGION. |
| 13 | 17 57 46.2 | 44.3 N | 149.1 E | 40 | 4.7 | KURILE ISLANDS. |
| 13 | 18 47 19* | 32.7 S | 177.7 W | 33 | 5.0 | SOUTH OF KERMADEC ISLANDS. |
| 13 | 20 01 48.0 | 37.8 N | 29.3 E | 16 | 5.3 | TURKEY. 2 KILLED, 3 INJURED AND 200 HOMES DESTROYED IN THE DENIZLI REGION. MAG. 5 1/4-5 1/2 (PAL). |
| 14 | 01 15 49.8 | 6.0 S | 151.5 E | 32 | 4.9 | NEW BRITAIN REGION. |
| 14 | 04 59 17* | 38.0 N | 68.8 E | 33 | | TADZHIK SSR. |
| 14 | 06 11 56* | 9.4 N | 138.0 E | 59 | 4.6 | WEST CAROLINE ISLANDS. FELT ON YAP ISLAND. |
| 14 | 07 30 43.6 | 39.8 S | 45.8 E | 33 | 5.5 | ATLANTIC-INDIAN RISE. |
| 14 | 09 40 05.4 | 44.6 N | 129.7 W | 7 | 5.4 | OFF COAST OF OREGON. MAG. 5 3/4 (BRK), 5 1/2-5 3/4 (PAL). |
| 14 | 09 57 34.3 | 44.4 N | 149.4 E | 33 | 4.2 | KURILE ISLANDS. |
| 14 | 10 02 38.1 | 59.4 S | 23.6 W | 33 | | SOUTH SANDWICH ISLANDS REGION. |
| 14 | 12 27 41* | 3.7 S | 102.9 W | 33 | 4.2 | NORTHERN EASTER I. CORDILLERA. |
| 14 | 13 05 52.6 | 44.5 N | 129.5 W | 25 | 5.0 | OFF COAST OF OREGON. |
| 14 | 13 17 01.2 | 32.0 N | 87.7 E | 32 | 5.6 | TIBET. |
| 14 | 14 28 19.7 | 35.6 N | 139.0 E | 159 | 4.2 | NEAR S. COAST OF HONSHU, JAPAN. |
| 14 | 16 47 22.7 | 8.3 N | 38.0 W | 33 | 5.2 | CENTRAL MID-ATLANTIC RIDGE. |
| 14 | 23 19 44* | 14.4 N | 92.1 W | 33 | 4.1 | NEAR COAST OF CHIAPAS, MEXICO. |
| 15 | 00 39 00* | 45.2 N | 146.4 E | 33 | 4.6 | KURILE ISLANDS. |
| 15 | 00 58 37.1 | 53.7 N | 160.4 E | 33 | 4.5 | NEAR EAST COAST OF KAMCHATKA. |
| 15 | 01 45 11.7 | 44.0 N | 149.3 E | 34 | 4.8 | KURILE ISLANDS. |
| 15 | 04 46 14.1 | 50.2 N | 178.2 E | 29 | 5.5 | RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 4 3/4-5 (BRK), 5-5 1/4 (PAL). |
| 15 | 06 16 00.6 | 19.7 S | 106.2 E | 33 | 4.4 | NORTHWEST OF AUSTRALIA. |
| 15 | 07 59 19.4 | 29.6 N | 95.6 E | 30 | 5.6 | INDIA-CHINA BORDER REGION. |
| 15 | 09 20 30.3 | 37.9 S | 177.5 E | 61 | 6.2 | OFF E. COAST OF N. ISLAND, N.Z. FELT FROM BAY OF PLENTY TO WELLINGTON. MAG. 5 1/4 (PAL). |
| 15 | 12 51 51.6 | 27.2 S | 175.9 W | 41 | 5.0 | KERMADEC ISLANDS. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 15 | 12 52 11.8 | 44.4 N | 149.4 E | 33 | 4.6 | KURILE ISLANDS. |
| 15 | 13 09 19.0 | 44.3 N | 149.4 E | 24 | 4.4 | KURILE ISLANDS. |
| 15 | 13 18 44.7 | 44.1 N | 149.5 E | 33 | 4.3 | KURILE ISLANDS. |
| 15 | 14 18 59.5 | 44.4 N | 149.4 E | 37 | 4.6 | KURILE ISLANDS. |
| 15 | 15 15 02.2 | 52.2 N | 174.9 E | 59 | 4.9 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 15 | 16 07 09.3 | 44.2 N | 149.2 E | 33 | 4.2 | KURILE ISLANDS. |
| 15 | 16 26 45* | 51.3 N | 175.1 E | 33 | 4.2 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 15 | 16 41 12.7 | 14.0 N | 51.7 E | 33 | 5.1 | EASTERN GULF OF ADEN. |
| 15 | 19 02 12.7 | 51.7 N | 174.3 W | 41 | 4.9 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| 15 | 23 10 24.8 | 20.8 S | 173.7 E | 15 | 5.7 | NEW HEBRIDES ISLANDS REGION. MAG. 6 1/4 (PAS), 6 (BRK), 6 1/2 (PAL). |
| 16 | 00 55 09.6 | 33.0 N | 115.6 W | 16 | 4.4 | SOUTHERN CALIFORNIA. FELT AT WESTMORELAND AND BRAWLEY. MAG. 4 1/4-4 1/2 (PAS). |
| 16 | 02 42 04.3 | 33.0 N | 115.5 W | 16 | 4.4 | SOUTHERN CALIFORNIA. SLIGHT DAMAGE AT WESTMORELAND. FELT AT BRAWLEY. MAG. 4 1/2 (PAS). |
| 16 | 02 43 08.4 | 34.7 S | 112.1 W | 33 | 5.0 | EASTER ISLAND CORDILLERA. |
| 16 | 03 47 09.8 | 33.0 N | 115.6 W | 16 | 4.1 | SOUTHERN CALIFORNIA. FELT AT BRAWLEY. MAG. 3 3/4 (PAS). |
| 16 | 03 55 17.5 | 34.4 S | 112.3 W | 33 | 5.7 | EASTER ISLAND CORDILLERA. MAG. 5 1/4-5 1/2 (BRK). |
| 16 | 04 37 38* | 52.1 N | 171.5 E | 33 | 4.2 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 16 | 04 57 28.4 | 29.3 N | 142.0 E | 33 | 5.1 | SOUTH OF HONSHU, JAPAN. |
| 16 | 06 07 36.9 | 28.9 S | 176.9 W | 54 | 4.5 | KERMADEC ISLANDS. |
| 16 | 07 40 24.7 | 44.0 N | 149.5 E | 7 | 4.6 | KURILE ISLANDS. |
| 16 | 08 19 33.9 | 36.8 S | 97.4 W | 33 | 4.4 | SOUTHEAST CENTRAL PACIFIC OCEAN. |
| 16 | 09 35 16.7 | 33.0 N | 115.5 W | 16 | 4.0 | SOUTHERN CALIFORNIA. MAG. 3 3/4 (PAS). |
| 16 | 11 40 06* | 32.6 S | 66.4 W | 150 | 4.0 | SAN LUIS PROVINCE, ARGENTINA. |
| 16 | 14 04 23* | 33.0 N | 115.6 W | 16 | | SOUTHERN CALIFORNIA. MAG. 3 1/2 (PAS). |
| 16 | 14 12 39.8 | 18.1 N | 68.7 W | 116 | 4.2 | MONA PASSAGE. |
| 16 | 15 51 33.5 | 20.6 S | 169.3 E | 52 | 4.5 | NEW HEBRIDES ISLANDS. |
| 16 | 15 56 04.8 | 33.0 N | 115.6 W | 16 | | SOUTHERN CALIFORNIA. FELT AT WESTMORELAND AND BRAWLEY. MAG. 3 3/4 (PAS). |
| 16 | 16 30 00.2 | | | | | 36° 49' 05"N. 115° 57' 22"W. NEVADA TEST SITE. "DILUTED WATERS". SHOT ELEVATION 748.3 METERS (AEC). |
| 16 | 17 39 34.6 | 33.0 N | 115.6 W | 16 | | SOUTHERN CALIFORNIA. |
| 16 | 17 40 33.4 | 33.0 N | 115.6 W | 16 | 4.7 | SOUTHERN CALIFORNIA. FELT AT WESTMORELAND AND BRAWLEY. MAG. 3 3/4 (PAS). |
| 16 | 23 49 07.4 | 32.1 N | 87.5 E | 62 | 5.1 | TIBET. |
| 17 | 01 02 15* | 21.2 S | 66.8 W | 176 | 4.2 | SOUTHERN BOLIVIA. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 17 | 02 58 22.5 | 37.7 N | 29.3 E | 21 | 4.9 | TURKEY. FELT AT DENIZLI AND AFYOU. |
| 17 | 03 44 58.5 | 50.0 N | 78.0 E | 0 | 5.4 | EASTERN KAZAKH SSR. |
| 17 | 04 18 34.3 | 20.8 S | 173.9 E | 33 | 4.4 | NEW HEBRIDES ISLANDS REGION. |
| 17 | 04 32 22.9 | 33.0 N | 115.5 W | 16 | 4.1 | SOUTHERN CALIFORNIA. MAG. 3 3/4 (PAS). |
| 17 | 04 42 54* | 23.6 S | 179.7 W | 474 | 4.7 | SOUTH OF FIJI ISLANDS. |
| 17 | 07 13 26.1 | 33.0 N | 115.6 W | 16 | 4.0 | SOUTHERN CALIFORNIA. MAG. 3 3/4 (PAS). |
| 17 | 07 21 38* | 33.0 N | 115.5 W | 16 | | SOUTHERN CALIFORNIA. MAG. 3 3/4 (PAS). |
| 17 | 07 30 19.1 | 33.0 N | 115.5 W | 16 | 4.8 | SOUTHERN CALIFORNIA. FELT AT WESTMORELAND, CALIPATRIA, AND BRAWLEY. MAG. 4 1/2 (PAS), 4 1/2 (BRK). |
| 17 | 07 40 11.2 | 33.1 N | 115.6 W | 5 | 4.2 | SOUTHERN CALIFORNIA. FELT AT WESTMORELAND, CALIPATRIA, AND BRAWLEY. MAG. 4 1/4 (PAS). |
| 17 | 09 53 59* | 33.1 N | 115.7 W | 16 | | SOUTHERN CALIFORNIA. FELT AT WESTMORELAND, CALIPATRIA, AND BRAWLEY. MAG. 3 1/2 (PAS). |
| 17 | 10 10 21* | 44.7 N | 129.4 W | 33 | 4.6 | OFF COAST OF OREGON. |
| 17 | 10 43 34.7 | 24.0 N | 123.4 E | 42 | 5.3 | SOUTHWESTERN RYUKYU ISLANDS. |
| 17 | 10 51 30.7 | 33.4 S | 179.6 W | 33 | | SOUTH OF KERMADEC ISLANDS. |
| 17 | 10 51 34.9 | 33.9 S | 179.6 W | 20 | 5.3 | SOUTH OF KERMADEC ISLANDS. MAG. 5 1/4-5 1/2 (BRK). |
| 17 | 11 22 54.9 | 43.2 N | 126.0 W | 33 | 4.6 | OFF COAST OF OREGON. |
| 17 | 14 23 12.4 | 53.9 N | 163.0 W | 33 | 4.5 | UNIMAK ISLAND REGION. |
| 17 | 15 22 09.8 | 39.7 N | 111.3 W | 33 | | UTAH. |
| 17 | 19 05 07.5 | 52.1 N | 175.0 E | 42 | 5.1 | RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 4 1/4-4 1/2 (BRK). |
| 17 | 19 59 18.2 | 0.7 S | 133.8 E | 33 | 5.0 | WEST NEW GUINEA REGION. |
| 17 | 20 14 49.8 | 32.0 N | 87.7 E | 16 | 5.3 | TIBET. |
| 17 | 22 58 21* | 31.7 N | 113.3 W | 10 | 4.4 | GULF OF CALIFORNIA. |
| 18 | 01 18 41.1 | 32.2 N | 87.7 E | 60 | 5.2 | TIBET. |
| 18 | 03 23 47* | 50.9 N | 149.7 E | 521 | 3.9 | SEA OF OKHOTSK. |
| 18 | 03 37 54.9 | 5.0 S | 80.7 W | 102 | 4.2 | NEAR COAST OF NORTHERN PERU. |
| 18 | 07 02 06* | 17.5 S | 167.9 E | 34 | | NEW HEBRIDES ISLANDS. FELT AT PORT VILA. |
| 18 | 07 21 14* | 11.1 S | 164.8 E | 33 | 4.2 | SANTA CRUZ ISLANDS REGION. |
| 18 | 08 14 03.9 | 37.3 N | 116.0 W | 33 | 3.3 | SOUTHERN NEVADA. |
| 18 | 08 17 40.0 | 25.0 N | 93.7 E | 66 | 5.8 | EASTERN INDIA. |
| 18 | 09 28 22* | 11.6 N | 88.2 W | 33 | 4.3 | OFF COAST OF CENTRAL AMERICA. |
| 18 | 10 48 33.2 | 23.8 S | 67.4 W | 148 | 4.7 | CHILE-ARGENTINA BORDER REGION. |
| 18 | 11 14 56* | 50.9 N | 156.5 E | 33 | 4.3 | KURILE ISLANDS. |
| 18 | 13 49 36.4 | 29.8 N | 51.3 E | 56 | 4.6 | SOUTHERN IRAN. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 18 | 13 55 51.4 | 34.0 N | 116.4 W | 16 | 3.9 | SOUTHERN CALIFORNIA. MAG. 3 1/2 (PAS). |
| 18 | 18 16 33.2 | 45.3 N | 150.4 E | 33 | 4.3 | KURILE ISLANDS. |
| 18 | 20 48 01.3 | 10.2 N | 84.1 W | 35 | | COSTA RICA. |
| 18 | 22 45 16.7 | 11.1 S | 73.6 W | 111 | 5.5 | PERU. MAG. 5-5 1/4 (BRK), 5 1/4 (PAL). |
| 18 | 22 58 16.5 | 34.7 N | 141.1 E | 60 | 4.9 | OFF EAST COAST OF HONSHU, JAPAN. |
| 18 | 23 12 24* | 18.7 S | 175.6 W | 134 | 4.4 | TONGA ISLANDS. |
| 19 | 01 39 38.7 | 13.1 N | 90.4 W | 32 | 4.6 | NEAR COAST OF GUATEMALA. |
| 19 | 06 38 11.5 | 52.4 N | 172.1 E | 38 | 5.5 | NEAR ISLANDS, ALEUTIAN ISLANDS. MAG. 5 1/4-5 1/2 (PAL). |
| 19 | 11 09 03* | 55.5 N | 34.9 W | 33 | 4.5 | NORTH ATLANTIC OCEAN. |
| 19 | 12 32 02.1 | 42.7 N | 46.4 E | 62 | 4.6 | EASTERN CAUCASUS. |
| 19 | 12 50 19.1 | 53.9 N | 160.5 E | 61 | 5.1 | NEAR EAST COAST OF KAMCHATKA. |
| 19 | 13 24 54.5 | 15.1 S | 167.4 E | 115 | 4.5 | NEW HEBRIDES ISLANDS. |
| 19 | 15 31 04.7 | 21.5 S | 179.3 W | 619 | 5.0 | FIJI ISLANDS REGION. |
| 19 | 18 00 53.0 | 6.2 N | 73.3 W | 174 | 5.0 | NORTHERN COLOMBIA. |
| 19 | 18 27 57* | 44.3 N | 150.1 E | 33 | 3.9 | KURILE ISLANDS REGION. |
| 19 | 21 15 39.0 | 44.5 N | 149.2 E | 33 | 4.7 | KURILE ISLANDS. |
| 20 | 00 50 10* | 14.9 S | 175.1 W | 297 | 4.9 | SAMOA ISLANDS REGION. |
| 20 | 01 57 25.3 | 44.6 N | 149.2 E | 41 | 5.5 | KURILE ISLANDS. MAG. 5 (PAL). |
| 20 | 02 18 07* | 44.8 N | 129.5 W | 33 | 4.5 | OFF COAST OF OREGON. |
| 20 | 04 05 44.9 | 10.2 N | 126.3 E | 18 | 5.2 | PHILIPPINE ISLANDS REGION. |
| 20 | 06 01 57.4 | 6.8 S | 129.2 E | 146 | 5.4 | BANDA SEA. |
| 20 | 06 40 22.8 | 23.9 S | 176.3 W | 70 | 4.4 | SOUTH OF FIJI ISLANDS. |
| 20 | 07 37 17.2 | 9.0 S | 123.7 E | 57 | 4.7 | TIMOR. |
| 20 | 07 53 41.7 | 10.3 N | 126.1 E | 50 | 4.6 | PHILIPPINE ISLANDS REGION. |
| 20 | 12 38 50.3 | 3.4 S | 139.3 E | 62 | 5.3 | WEST NEW GUINEA. |
| 20 | 13 28 12* | 36.7 N | 71.6 E | 150 | | AFGHANISTAN-USSR BORDER REGION. |
| 20 | 16 31 20.0 | 13.3 N | 50.3 E | 35 | 5.2 | EASTERN GULF OF ADEN. |
| 20 | 17 23 56.8 | 43.1 N | 126.0 W | 33 | 4.6 | OFF COAST OF OREGON. |
| 20 | 18 04 37.3 | 42.9 N | 126.1 W | 33 | 5.6 | OFF COAST OF OREGON. MAG. 5 (BRK), 5 1/4-5 1/2 (PAL). |
| 20 | 18 11 18.1 | 36.6 N | 71.0 E | 178 | 4.9 | AFGHANISTAN-USSR BORDER REGION. |
| 20 | 19 16 20.9 | 25.4 N | 109.4 W | 33 | 5.8 | GULF OF CALIFORNIA. MAG. 5-5 1/4 (PAL). |
| 20 | 19 18 00* | 43.2 N | 126.1 W | 33 | 4.2 | OFF COAST OF OREGON. |
| 20 | 19 47 00* | 44.6 N | 149.2 E | 33 | 4.5 | KURILE ISLANDS. |
| 20 | 21 51 46.9 | 52.2 N | 158.7 E | 45 | 4.7 | NEAR EAST COAST OF KAMCHATKA. |
| 21 | 00 02 07* | 23.7 N | 109.3 W | 33 | 3.7 | BAJA CALIFORNIA. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 21 | 00 21 16.1 | 28.1 N | 55.9 E | 40 | 6.0 | SOUTHERN IRAN. INJURIES AND DAMAGE IN VICINITY OF BANDAR-ABASS. MAG. 5 1/2-5 3/4 (PAL). |
| 21 | 01 23 50* | 8.0 N | 76.7 W | 33 | 4.0 | NEAR NORTH COAST OF COLOMBIA. |
| 21 | 01 30 39* | 28.4 N | 55.8 E | 59 | 5.0 | SOUTHERN IRAN. |
| 21 | 01 56 18.9 | 24.6 S | 67.5 W | 141 | 4.4 | CHILE-ARGENTINA BORDER REGION. |
| 21 | 09 27 54.1 | 6.8 N | 73.0 W | 169 | 4.1 | NORTHERN COLOMBIA. |
| 21 | 10 46 37.7 | 3.7 S | 77.8 W | 19 | 4.6 | PERU-ECUADOR BORDER REGION. |
| 21 | 11 12 02.1 | 3.9 S | 35.1 E | 24 | | TANGANYIKA. |
| 21 | 12 08 10* | 53.4 N | 160.0 E | 33 | 4.3 | NEAR EAST COAST OF KAMCHATKA. |
| 21 | 13 20 33.5 | 7.2 N | 34.7 W | 33 | 4.2 | CENTRAL MID-ATLANTIC RIDGE. |
| 21 | 16 18 08* | 8.1 S | 129.4 E | 182 | | TIMOR SEA. |
| 21 | 16 32 53.7 | 14.6 S | 167.6 E | 160 | | NEW HEBRIDES ISLANDS. |
| 21 | 17 19 08* | 28.5 S | 66.6 W | 108 | 4.0 | CATAMARCA PROVINCE, ARGENTINA. |
| 21 | 17 58 28* | 50.4 N | 178.2 E | 33 | 4.2 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 21 | 19 16 43* | 23.3 S | 179.6 E | 567 | 3.9 | SOUTH OF FIJI ISLANDS. |
| 21 | 20 46 11* | 6.8 N | 126.9 E | 55 | 5.4 | MINDANAO, PHILIPPINE ISLANDS. |
| 21 | 22 12 52.6 | 50.2 N | 178.0 E | 25 | 4.8 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 22 | 00 54 19.9 | 0.1 S | 124.5 E | 33 | 5.3 | MOLUCCA SEA. |
| 22 | 01 59 34* | 12.3 S | 166.7 E | 98 | | SANTA CRUZ ISLANDS. |
| 22 | 03 09 50.3 | 15.7 S | 167.6 E | 170 | | NEW HEBRIDES ISLANDS. |
| 22 | 04 19 54.7 | 0.6 N | 125.4 E | 41 | 5.4 | MOLUCCA PASSAGE. |
| 22 | 05 49 27.7 | 36.2 N | 77.6 E | 107 | 5.7 | KASHMIR-SINKIANG BORDER REGION. |
| 22 | 12 56 55.6 | 29.9 S | 178.3 W | 232 | | KERMADEC ISLANDS REGION. |
| 22 | 13 13 15.9 | 20.9 S | 173.7 E | 33 | 4.8 | NEW HEBRIDES ISLANDS REGION. |
| 22 | 14 19 50.9 | 18.4 S | 69.3 W | 122 | 5.0 | NORTHERN CHILE. |
| 22 | 20 57 54* | 8.3 S | 105.3 E | 33 | | SOUTH OF JAVA. |
| 22 | 21 13 24.5 | 2.3 S | 138.7 E | 33 | 5.3 | WEST NEW GUINEA. |
| 22 | 22 06 33* | 2.3 S | 141.7 E | 33 | | NEAR NORTH COAST OF NEW GUINEA. |
| 22 | 23 48 07.0 | 7.2 N | 123.5 E | 56 | 5.7 | MINDANAO, PHILIPPINE ISLANDS. FELT WIDELY ON MINDANAO. MAG. 6 (PAL). |
| 23 | 00 28 04* | 24.0 S | 65.9 W | 33 | 4.5 | SALTA PROVINCE, ARGENTINA. |
| 23 | 06 59 02.7 | 14.8 S | 167.7 E | 49 | 4.6 | NEW HEBRIDES ISLANDS. |
| 23 | 07 37 46.0 | 11.4 N | 87.8 W | 24 | 4.5 | NEAR COAST OF NICARAGUA. |
| 23 | 08 49 22* | 51.0 N | 160.7 E | 35 | 4.7 | OFF EAST COAST OF KAMCHATKA. |
| 23 | 09 07 41* | 7.2 S | 129.0 E | 113 | 5.0 | BANDA SEA. |
| 23 | 10 59 11.5 | 32.5 S | 178.7 W | 23 | 5.3 | SOUTH OF KERMADEC ISLANDS. |
| 23 | 11 09 15.7 | 56.5 N | 152.8 W | 33 | 5.7 | KODIAK ISLAND REGION. MAG. 6 1/4-6 1/2 (PAS), 5 3/4 (BRK), 6 1/2-6 3/4 (PAL). |
| 23 | 11 24 18.4 | 8.9 S | 123.8 E | 59 | 5.4 | FLORES ISLAND REGION. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 23 | 12 02 47.2 | 56.8 N | 152.6 W | 33 | 4.8 | KODIAK ISLAND REGION. |
| 23 | 12 23 23.9 | 56.5 N | 152.7 W | 33 | 4.7 | KODIAK ISLAND REGION. |
| 23 | 12 41 42* | 56.4 N | 155.4 W | 33 | 4.2 | ALASKA PENINSULA. |
| 23 | 13 44 56* | 17.9 S | 178.6 W | 593 | 4.6 | FIJI ISLANDS REGION. |
| 23 | 14 05 53* | 43.9 N | 149.5 E | 33 | 4.4 | KURILE ISLANDS REGION. |
| 23 | 14 22 44.9 | 56.4 N | 152.8 W | 47 | 4.8 | KODIAK ISLAND REGION. |
| 23 | 16 09 01.0 | 4.2 S | 135.2 E | 33 | 5.1 | WEST NEW GUINEA REGION. |
| 23 | 16 57 07.4 | 2.7 S | 128.1 E | 33 | 5.2 | CERAM SEA. |
| 23 | 20 39 54* | 18.0 S | 178.5 W | 598 | 5.0 | FIJI ISLANDS REGION. |
| 24 | 01 39 42.0 | 39.8 N | 49.0 E | 25 | | CASPIAN SEA. |
| 24 | 01 45 51* | 58.7 N | 151.4 W | 33 | 3.9 | KODIAK ISLAND REGION. |
| 24 | 03 17 42.9 | 50.3 N | 177.3 E | 7 | 4.7 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 24 | 03 29 45.0 | 18.2 S | 69.7 W | 72 | 5.0 | NORTHERN CHILE. FELT AT AREQUIPA, PERU. |
| 24 | 03 45 43.0 | 17.0 N | 99.6 W | 51 | 4.6 | GUERRERO, MEXICO. FELT AT ACAPULCO. |
| 24 | 04 48 59.3 | 35.4 N | 135.4 E | 356 | 5.3 | SOUTHERN HONSHU, JAPAN. |
| 24 | 05 51 18* | 59.6 N | 157.1 W | 33 | 4.7 | SOUTHERN ALASKA. |
| 24 | 07 37 17* | 50.9 N | 177.3 E | 33 | 4.2 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 24 | 07 45 13.9 | 7.0 N | 126.2 E | 51 | 5.8 | MINDANAO, PHILIPPINE ISLANDS. |
| 24 | 10 54 00* | 28.9 N | 52.9 E | 97 | 4.2 | SOUTHERN IRAN. |
| 24 | 10 54 46* | 43.6 N | 126.9 W | 33 | 4.1 | OFF COAST OF OREGON. |
| 24 | 14 08 32.4 | 23.5 S | 176.8 W | 102 | 5.5 | SOUTH OF FIJI ISLANDS. |
| 24 | 16 28 54.7 | 44.2 N | 141.9 E | 230 | 4.1 | HOKKAIDO, JAPAN REGION. |
| 24 | 16 54 02.2 | 15.5 S | 70.2 W | 171 | 4.3 | SOUTHERN PERU. |
| 24 | 18 00 08* | 44.4 N | 149.3 E | 33 | 5.0 | KURILE ISLANDS. |
| 24 | 18 21 05* | 38.6 S | 73.0 W | 33 | 4.5 | NEAR COAST OF CENTRAL CHILE. |
| 24 | 21 26 25* | 10.2 N | 62.2 W | 57 | | NEAR COAST OF VENEZUELA. |
| 24 | 23 08 40* | 20.2 N | 120.6 E | 33 | 5.0 | PHILIPPINE ISLANDS REGION. |
| 25 | 00 18 57.7 | 39.2 N | 118.1 W | 33 | 4.3 | NEVADA. MAG. 4 1/2-4 3/4 (BRK). |
| 25 | 02 16 45.0 | 11.4 S | 34.8 E | 33 | | NYASALAND. |
| 25 | 07 47 26.8 | 59.6 N | 144.6 W | 31 | 4.2 | GULF OF ALASKA. |
| 25 | 09 02 53* | 50.7 N | 178.2 E | 33 | 3.8 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 25 | 09 21 17* | 1.5 N | 99.3 E | 107 | 4.9 | NORTHERN SUMATRA. |
| 25 | 12 50 29.9 | 9.6 N | 126.3 E | 73 | 5.3 | MINDANAO, PHILIPPINE ISLANDS. |
| 25 | 17 55 24* | 64.0 N | 146.4 W | 33 | | CENTRAL ALASKA. |
| 25 | 20 27 02.8 | 37.0 S | 95.9 W | 33 | 5.3 | SOUTHERN PACIFIC OCEAN. |
| 25 | 21 43 31.8 | 35.8 N | 140.9 E | 65 | 4.7 | NEAR EAST COAST OF HONSHU, JAPAN. |
| 26 | 03 35 12.4 | 29.0 S | 69.8 W | 119 | 4.6 | CHILE-ARGENTINA BORDER REGION. |
| 26 | 05 55 11.4 | 9.1 S | 72.9 W | 44 | 4.6 | PERU-BRAZIL BORDER REGION. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 26 | 09 21 49.1 | 33.6 S | 71.6 W | 78 | 4.3 | NEAR COAST OF CENTRAL CHILE. |
| 26 | 09 56 43.1 | 6.7 N | 72.9 W | 175 | 4.3 | NORTHERN COLOMBIA. |
| 26 | 16 47 51.5 | 29.8 N | 130.4 E | 43 | 4.8 | RYUKYU ISLANDS. |
| 26 | 20 31 06* | 8.0 N | 141.5 E | 33 | 4.7 | WEST CAROLINE ISLANDS. |
| 26 | 21 26 20* | 51.6 N | 172.1 E | 30 | 4.4 | NEAR ISLANDS, ALEUTIAN ISLANDS. |
| 26 | 22 01 21* | 9.2 N | 93.8 E | 33 | 4.4 | NICOBAR ISLANDS REGION. |
| 26 | 22 14 36.5 | 51.4 N | 178.6 W | 43 | 5.2 | ANDREANOF ISLANDS, ALEUTIAN IS. FELT ON ADAK. |
| 26 | 23 13 42.4 | 62.8 N | 149.1 W | 75 | 4.8 | CENTRAL ALASKA. |
| 27 | 00 55 10.6 | 33.4 S | 178.9 W | 33 | 4.8 | SOUTH OF KERMADEC ISLANDS. |
| 27 | 01 04 29.0 | 9.0 N | 94.0 E | 49 | 5.0 | NICOBAR ISLANDS REGION. |
| 27 | 03 03 58* | 18.8 N | 108.1 W | 13 | 3.9 | REVILLA GIGEDO ISLANDS REGION. |
| 27 | 03 54 15* | 2.7 N | 127.9 E | 193 | 4.8 | MOLUCCA PASSAGE. |
| 27 | 07 24 30.6 | 29.6 N | 138.3 E | 476 | 4.6 | SOUTH OF HONSHU, JAPAN. |
| 27 | 08 09 51* | 1.9 S | 152.6 E | 33 | 4.3 | NEW IRELAND REGION. |
| 27 | 08 42 04* | 5.9 S | 104.0 E | 90 | 4.2 | SOUTHERN SUMATRA. |
| 27 | 09 45 48.7 | 54.7 S | 5.2 E | 33 | 5.9 | BOUVET ISLAND REGION. |
| 27 | 10 59 32* | 4.5 S | 123.5 E | 33 | 4.5 | BANDA SEA. |
| 27 | 11 08 56.7 | 60.3 N | 140.9 W | 12 | 5.3 | SOUTHEASTERN ALASKA. MAG. 5 (BRK), 5 3/4-6 (PAL). |
| 27 | 11 20 39.3 | 30.4 N | 132.7 E | 33 | 4.3 | SOUTHEAST OF SHIKOKU, JAPAN. |
| 27 | 11 24 49.1 | 60.3 N | 140.9 W | 28 | 4.8 | SOUTHEASTERN ALASKA. |
| 27 | 11 36 08.2 | 23.9 N | 121.6 E | 20 | 5.6 | TAIWAN. |
| 27 | 12 55 44.2 | 6.8 N | 72.9 W | 169 | 4.7 | NORTHERN COLOMBIA. |
| 27 | 13 08 29* | 12.6 N | 87.9 W | 33 | 4.1 | NEAR COAST OF NICARAGUA. |
| 27 | 14 45 42.3 | 51.9 N | 176.6 E | 50 | 4.6 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 27 | 15 45 43* | 60.2 N | 140.9 W | 33 | 4.3 | SOUTHEASTERN ALASKA. |
| 27 | 17 09 03.4 | 2.6 S | 77.0 W | 117 | 5.1 | PERU-ECUADOR BORDER REGION. |
| 27 | 17 09 23* | 2.8 S | 77.1 W | 33 | 5.3 | PERU-ECUADOR BORDER REGION. |
| 27 | 17 35 13.0 | 4.8 N | 127.4 E | 81 | 5.9 | TALAUD ISLANDS. |
| 27 | 18 42 53* | 34.2 N | 141.0 E | 33 | 4.6 | OFF EAST COAST OF HONSHU, JAPAN. |
| 27 | 19 24 07.1 | 39.6 N | 110.4 W | 0 | 4.0 | UTAH. FELT. |
| 27 | 19 43 14* | 30.5 N | 132.5 E | 33 | 5.0 | SOUTHEAST OF SHIKOKU, JAPAN. |
| 27 | 21 59 37.7 | 30.3 N | 132.8 E | 27 | 5.3 | SOUTHEAST OF SHIKOKU, JAPAN. |
| 27 | 22 08 32* | 28.2 N | 111.8 W | 33 | 4.4 | GULF OF CALIFORNIA. |
| 27 | 22 24 31.9 | 17.8 S | 176.8 W | 399 | 3.9 | FIJI ISLANDS REGION. |
| 27 | 23 24 40* | 30.3 N | 132.7 E | 27 | 4.3 | SOUTHEAST OF SHIKOKU, JAPAN. |
| 28 | 00 07 32.4 | 23.6 N | 121.5 E | 33 | 4.5 | TAIWAN. |
| 28 | 00 16 52.1 | 61.0 N | 145.8 W | 33 | 3.8 | SOUTHERN ALASKA. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 28 | 02 32 35.4 | 48.9 N | 154.9 E | 45 | 4.4 | KURILE ISLANDS. |
| 28 | 03 33 36.3 | 5.1 S | 153.1 E | 48 | 5.5 | NEW IRELAND REGION. FELT AT RABAUL AND SOHANO. MAG. 5 1/2-6 (BRK), 6 1/4-6 1/2 (PAL). |
| 28 | 03 53 06.0 | 5.0 S | 153.2 E | 20 | 4.6 | NEW IRELAND REGION. |
| 28 | 03 55 47.8 | 5.1 S | 153.2 E | 55 | 4.8 | NEW IRELAND REGION. |
| 28 | 05 14 08* | 49.4 N | 150.6 E | 33 | 4.9 | NORTHWEST OF KURILE ISLANDS. |
| 28 | 05 57 52* | 32.0 S | 179.3 W | 84 | | SOUTH OF KERMADEC ISLANDS. |
| 28 | 06 20 11.1 | 6.7 N | 72.9 W | 172 | 4.4 | NORTHERN COLOMBIA. |
| 28 | 06 39 18.7 | 6.8 S | 130.2 E | 109 | 4.6 | BANDA SEA. |
| 28 | 09 03 56.2 | 51.2 N | 179.1 E | 48 | 4.5 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 28 | 11 15 08.8 | 37.6 N | 121.8 W | 6 | 4.3 | CENTRAL CALIFORNIA. FELT AT SAN JOSE. MAG. 3 3/4 (BRK). |
| 28 | 12 14 50.7 | 27.3 N | 66.9 E | 41 | 5.3 | WEST PAKISTAN. |
| 28 | 14 23 33.0 | 17.7 S | 178.8 W | 545 | 3.7 | FIJI ISLANDS REGION. |
| 28 | 14 58 10.7 | 38.1 S | 177.3 E | 60 | 4.4 | NORTH ISLAND, NEW ZEALAND. |
| 28 | 15 44 56.0 | 23.7 N | 121.5 E | 52 | 5.6 | TAIWAN. |
| 28 | 17 57 41.7 | 21.1 S | 178.9 W | 590 | 5.3 | FIJI ISLANDS REGION. |
| 28 | 20 10 09.1 | 40.0 N | 28.9 E | 30 | | TURKEY. |
| 29 | 00 43 44.2 | 47.3 N | 10.1 E | 18 | 4.0 | AUSTRIA. |
| 29 | 02 04 23.7 | 44.7 N | 149.3 E | 37 | 5.5 | KURILE ISLANDS. |
| 29 | 02 07 18.1 | 13.8 S | 170.6 E | 635 | 5.3 | NEW HEBRIDES ISLANDS REGION. |
| 29 | 02 22 26.8 | 44.3 N | 11.8 E | 33 | | NORTHERN ITALY. |
| 29 | 04 05 37.8 | 18.0 N | 94.5 W | 95 | 4.5 | GULF OF CAMPECHE. |
| 29 | 04 27 58.3 | 36.6 N | 12.3 W | 33 | 4.8 | NORTH ATLANTIC OCEAN. |
| 29 | 05 09 03.3 | 44.1 N | 149.2 E | 33 | 4.3 | KURILE ISLANDS. |
| 29 | 07 46 28.2 | 39.6 N | 110.3 W | 0 | 4.3 | UTAH. PROBABLE ROCKBURST. |
| 29 | 08 23 53* | 8.2 N | 103.3 W | 33 | 4.3 | OFF COAST OF MEXICO. |
| 29 | 10 17 29* | 15.0 N | 97.6 W | 33 | 3.8 | NEAR COAST OF OAXACA, MEXICO. |
| 29 | 13 53 38.1 | 40.5 N | 123.5 W | 16 | 4.3 | NORTHERN CALIFORNIA. MAG. 3.6 (BRK). |
| 29 | 14 46 38.2 | 30.9 S | 178.0 W | 30 | 4.7 | KERMADEC ISLANDS REGION. |
| 29 | 15 19 43.8 | 18.5 S | 169.1 E | 211 | 5.0 | NEW HEBRIDES ISLANDS. |
| 29 | 15 40 28.6 | 34.2 N | 26.3 E | 16 | 4.5 | CRETE. FELT ON CRETE. |
| 29 | 16 01 01.9 | 45.5 N | 150.8 E | 48 | 4.7 | KURILE ISLANDS. |
| 29 | 16 36 16.0 | 17.7 S | 174.8 W | 231 | 4.6 | TONGA ISLANDS. |
| 29 | 17 54 19.2 | 10.8 N | 61.9 W | 112 | | TRINIDAD. |
| 29 | 20 00 15.5 | 6.8 N | 72.9 W | 171 | 4.8 | NORTHERN COLOMBIA. |
| 30 | 02 53 14.4 | 1.7 S | 126.6 E | 33 | 5.5 | MOLUCCA SEA. MAG. 6 (PAS), 6 (BRK). |
| 30 | 03 04 52.5 | 26.0 N | 126.6 E | 107 | 4.5 | RYUKYU ISLANDS. |
| 30 | 08 15 44* | 14.2 S | 75.6 W | 56 | 4.0 | NEAR COAST OF PERU. |

| DATE 1965 | ORIGIN TIME G. C. T. | LAT. | LONG. | FOCAL DEPTH | MAG CGS | REGION AND REMARKS |
|---|---|---|---|---|---|---|
| JUN | H M S | DEG | DEG | KM | | |
| 30 | 08 33 30.5 | 51.8 N | 176.6 E | 41 | 5.7 | RAT ISLANDS, ALEUTIAN ISLANDS. MAG. 5 1/2-5 3/4 (PAS), 5 1/2 (BRK), 5 3/4 (PAL). |
| 30 | 09 59 34.9 | 18.5 N | 68.7 W | 122 | 4.7 | MONA PASSAGE. |
| 30 | 11 12 43.4 | 21.2 S | 66.1 W | 17C | 5.1 | SOUTHERN BOLIVIA. MAG. 4 3/4-5 (BRK). |
| 30 | 12 36 44.0 | 53.7 N | 160.4 E | 63 | 5.1 | NEAR EAST COAST OF KAMCHATKA. |
| 30 | 17 10 53.5 | 51.8 N | 176.5 E | 61 | 5.3 | RAT ISLANDS, ALEUTIAN ISLANDS. |
| 30 | 18 40 42. | 5.6 S | 146.7 E | 25 | 4.3 | EAST NEW GUINEA REGION. |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 1 | |
| H-00 32 57.6 | |
| 9.1S 150.3E | |
| h ABOUT 38KM | |
| COL EP | 00 45 39.0 |
| JUN 1 | |
| H-01 51 00.0 | |
| 15.0S 167.4E | |
| h ABOUT 136KM | |
| COL E(P) | 02 03 27.9 |
| EUR EP | 02 03 44.1 |
| JUN 1 | |
| EUR EP | 02 04 12.8 |
| JUN 1 | |
| COL EP | 02 40 29.0 |
| JUN 1 | |
| H-04 32 42.8 | |
| 20.3N 095.0E | |
| h ABOUT 33KM | |
| COL IP | 04 45 04.0 |
| BOZ FP' | 04 51 13.6 |
| IPP | 51 47.5 |
| EUR IP' | 04 51 20.8 |
| EPP | 52 05.0 |
| IPKKP | 05 02 08.0 |
| ALQ IP' | 04 51 34.8 |
| TUC EP' | 04 51 36.0 |
| JUN 1 | |
| H-04 33 05.5 | |
| 20.4N 095.0E | |
| h ABOUT 33KM | |
| COL EP | 04 45 26.5 |
| EUR EP' | 04 51 43.0 |
| EPP | 52 26.5 |
| IPKKP | 05 02 32.0 |
| JUN 1 | |
| COL EP | 05 03 50.6 |
| JUN 1 | |
| COL EP | 05 11 12.0 |
| JUN 1 | |
| BCN EP | 06 30 41.4 |
| IS | 31 01.5 |
| EUR EP | 06 30 48.0 |
| IL | 31 20.5 |
| JUN 1 | |
| H-07 52 24.2 | |
| 28.5N 083.2E | |
| h ABOUT 20KM | |
| COL IP | 08 04 28.2 |
| EPP | 07 29.0 |
| EUR EP' | 08 10 59.7 |
| TUC EP' | 08 11 12.8 |
| JUN 1 | |
| H-09 29 07.0 | |
| 14.8S 167.8E | |
| h ABOUT 19KM | |
| EUR EP | 09 42 02.6 |
| JUN 1 | |
| EUR IP | 09 36 41.0 |
| IL | 37 16.5 |
| JUN 1 | |
| H-09 42 03.5 | |
| 44.7N 110.9W | |
| h ABOUT 33KM | |
| BOZ IP C | 09 42 21.0 |
| IS | 42 35.0 |
| BUT E(P) | 09 42 33.8 |
| HHM EP | 09 43 07.3 |
| I | 43 18.3 |
| RCD E(P) | 09 43 31.5 |
| EUR E(P) | 09 43 43.3 |
| JUN 1 | |
| EUR IP | 09 49 25.5 |
| IS | 49 50.6 |
| JUN 1 | |
| H-12 03 15.2 | |
| 18.0S 178.4W | |
| h ABOUT 609KM | |
| EUR IP | 12 14 32.2 |
| TUC EP | 12 14 34.0 |
| COL E(P) | 12 14 51.0 |
| JUN 1 | |
| BOZ EP | 12 18 24.0 |
| JUN 1 | |
| H-12 33 39.2 | |
| 44.7N 129.7W | |
| h ABOUT 33KM | |
| EUR IP | 12 36 24.3 |
| BOZ EP | 12 36 42.0 |
| JUN 1 | |
| EUR EP | 12 47 56.4 |
| JUN 1 | |
| H-13 05 14.4 | |
| 05.7S 152.0E | |
| h ABOUT 51KM | |
| GUA E(P) | 13 09 48.0 |
| COL EP | 13 17 34.0 |
| EUR IP | 13 18 37.2 |
| JUN 1 | |
| COL EP | 13 09 44.0 |
| BOZ E(P) | 13 13 17.0 |
| JUN 1 | |
| BHP EP | 14 12 00.0 |
| JUN 1 | |
| H-15 10 56.2 | |
| 06.9N 073.1W | |
| h ABOUT 152KM | |
| TUC EP | 15 18 44.2 |
| EUR IP | 15 19 40.0 |
| BOZ IP | 15 19 44.5 |
| JUN 1 | |
| H-15 18 36.0 | |
| 37.9N 026.6W | |
| h ABOUT 33KM | |
| BOZ EP | 15 28 49.0 |
| E | 29 05.5 |
| ALQ EP | 15 28 59.0 |
| EUR IP | 15 29 27.6 |
| TUC E(P) | 15 29 28.5 |
| COL EP | 15 29 31.0 |
| JUN 1 | |
| COL IP | 15 31 08.2 |
| JUN 1 | |
| H-15 37 55.7 | |
| 05.7S 151.9E | |
| h ABOUT 50KM | |
| COL EP | 15 50 17.0 |
| JUN 1 | |
| H-15 41 22.8 | |
| 18.7N 144.9E | |
| h ABOUT 306KM | |
| EUR IP | 15 53 26.3 |
| JUN 1 | |
| H-16 29 00.0 | |
| 19.9S 174.1W | |
| h ABOUT 59KM | |
| TUC EP | 16 41 04.5 |
| EUR IP | 16 41 06.4 |
| BOZ EP | 16 41 37.5 |
| COL EP | 16 41 38.0 |
| EsP | 41 56.5 |
| JUN 1 | |
| H-18 25 06.7 | |
| 15.6S 173.4W | |
| h ABOUT 33KM | |
| TUC EP | 18 36 57.0 |
| EUR IP | 18 36 57.6 |
| COL IP | 18 37 27.0 |
| BOZ EP | 18 37 29.0 |
| JUN 1 | |
| GUA E(P) | 18 40 26.0 |
| JUN 1 | |
| EUR IP | 19 02 18.2 |
| JUN 1 | |
| COL EP | 19 25 03.0 |
| JUN 1 | |
| H-19 41 37.9 | |
| 65.1N 147.0W | |
| h ABOUT 033KM | |
| COL IP | 19 41 46.5 |
| BRW EP | 19 42 34.0 |
| BOZ EP | 19 47 22.0 |
| JUN 1 | |
| COL EP | 20 24 14.0 |
| JUN 1 | |
| BCN IP | 23 00 36.0 |
| EL | 00 48.5 |
| JUN 1 | |
| HON E(P) | 23 01 30.4 |
| KIP E(P) | 23 01 31.9 |
| JUN 2 | |
| H-00 43 04.3 | |
| 62.1N 151.4W | |
| h ABOUT 24KM | |
| COL IP | 00 43 55.2 |
| HHM IP | 00 48 27.6 |
| IsP | 48 38.2 |
| BOZ EP | 00 48 56.0 |
| E | 49 05.0 |
| EUR IP | 00 49 24.7 |
| EsP | 49 31.7 |
| EsP | 49 35.2 |
| JUN 2 | |
| COL EP | 01 52 12.0 |
| JUN 2 | |
| H-02 05 31.4 | |
| 38.7S 073.4W | |
| h ABOUT 18KM | |
| TUC EP | 02 17 35.1 |
| ALQ IP | 02 17 38.2 |
| FGU EP | 02 18 11.6 |
| EUR IP D | 02 18 18.2 |
| BOZ EP | 02 18 34.5 |
| JUN 2 | |
| COL E(P) | 02 29 49.5 |
| JUN 2 | |
| COL EP | 02 56 40.0 |

| Date and Station | Phase (GCT) h m s |
|---|---|
| JUN 2 | |
| H-03 18 04.5 | |
| 14.9S 172.8W | |
| h ABOUT 33KM | |
| TUC EP | 03 29 49.0 |
| EUR EP | 03 29 49.5 |
| E▸P | 30 03.5 |
| ALQ IP | 03 30 13.5 |
| COL EP | 03 30 21.0 |
| I▸P | 30 35.0 |
| BOZ EP | 03 30 23.0 |
| E▸P | 30 37.0 |
| JUN 2 | |
| COL EP | 04 41 18.8 |
| JUN 2 | |
| H-05 12 59.2 | |
| 23.5S 180.0E | |
| h ABOUT 538KM | |
| KIP EP | 05 21 01.0 |
| HON IP | 05 21 01.1 |
| UKI E(P) | 05 24 23.5 |
| BCN IP C | 05 24 42.5 |
| EPCP | 24 51.5 |
| I▸P | 26 41.0 |
| EP▸P▸ | 50 49.0 |
| TUC IP C | 05 24 46.6 |
| I▸P | 26 45.8 |
| EPKKP | 42 38.8 |
| EUR IP C | 05 24 47.2 |
| E▸P | 26 42.7 |
| EPKKP | 42 41.0 |
| SLC IP | 05 25 02.7 |
| ALQ IP | 05 25 06.2 |
| E | 27 08.2 |
| COL IP C | 05 25 07.6 |
| E▸P | 27 05.1 |
| FGU IP | 05 25 10.3 |
| HHM IP | 05 25 14.0 |
| BOZ IP | 05 25 15.0 |
| I▸P | 27 14.0 |
| EPP | 28 36.9 |
| JUN 2 | |
| COL EP | 05 34 29.0 |
| JUN 2 | |
| COL EP | 07 36 08.0 |
| JUN 2 | |
| COL EP | 07 37 43.0 |
| JUN 2 | |
| H-09 19 13.7 | |
| 18.0S 179.4W | |
| h ABOUT 630KM | |
| BCN E(P) | 09 30 25.5 |
| EUR EP | 09 30 32.2 |
| COL EP | 09 30 48.9 |
| BOZ E(P) | 09 31 01.0 |
| JUN 2 | |
| H-09 19 32.6 | |
| 18.2S 179.3W | |
| h ABOUT 631KM | |
| BCN EP C | 09 30 47.5 |
| E | 30 58.2 |
| EUR IP C | 09 30 51.9 |
| I | 31 02.3 |
| TUC EP | 09 30 53.6 |
| COL IP | 09 31 08.0 |
| ALQ EP | 09 31 13.5 |
| BOZ IP | 09 31 20.0 |
| JUN 2 | |
| H-12 30 43.8 | |
| 16.0N 096.7W | |
| h ABOUT 33KM | |
| ALQ EP | 12 35 23.5 |
| JUN 2 | |
| H-12 40 00.8 | |
| 16.2S 172.9W | |
| h ABOUT 33KM | |
| EUR EP | 12 51 51.5 |
| COL IP | 12 52 23.2 |
| BOZ EP | 12 52 24.0 |
| JUN 2 | |
| H-13 57 51.3 | |
| 04.6S 105.9W | |
| h ABOUT 33KM | |
| TUC E(P) | 14 04 59.0 |
| ALQ EP | 14 05 19.2 |
| BCN EP | 14 05 35.6 |
| EUR IP C | 14 06 05.5 |
| SLC EP | 14 06 10.3 |
| BOZ EP | 14 06 46.0 |
| HHM EP | 14 07 08.0 |
| COL EP | 14 09 35.0 |
| JUN 2 | |
| H-14 06 07.3 | |
| 04.3S 105.8W | |
| h ABOUT 33KM | |
| BCN EP | 14 13 50.0 |
| SLC E(P) | 14 14 19.3 |
| EUR IP C | 14 14 19.4 |
| BOZ EP | 14 15 00.0 |
| E | 15 05.9 |
| HHM EP | 14 15 22.6 |
| JUN 2 | |
| H-14 29 29.1 | |
| 52.4N 170.4W | |
| h ABOUT 33KM | |
| COL E(P) | 14 33 30.0 |
| JUN 2 | |
| H-14 45 56.2 | |
| 18.0S 179.4W | |
| h ABOUT 636KM | |
| KIP EP | 14 53 14.0 |
| I | 54 08.5 |
| HON EP | 14 53 15.8 |
| GUA EP | 14 53 33.7 |
| E(S) | 59 31.0 |
| BCN EP | 14 57 10.0 |
| E | 57 49.5 |
| E▸P | 59 22.5 |
| E▸P | 15 00 27.5 |
| EUR IP | 14 57 14.2 |
| I▸P | 59 28.0 |
| ISKS | 15 06 40.5 |
| TUC EP | 14 57 16.0 |
| E▸P | 59 29.0 |
| COL EP | 14 57 30.0 |
| E | 58 28.0 |
| E▸P | 59 45.0 |
| ESKS | 15 06 57.5 |
| IS | 07 12.5 |
| SLC EP | 14 57 31.8 |
| ALQ IP | 14 57 36.8 |
| FGU EP | 14 57 39.0 |
| HHM EP | 14 57 41.4 |
| ESKS | 15 07 12.6 |
| BOZ EP | 14 57 42.6 |
| E▸P | 59 57.0 |
| BRW E(P) | 14 57 49.4 |
| JUN 2 | |
| H-14 58 33.3 | |
| 18.1S 179.4W | |
| h ABOUT 636KM | |
| HON EP | 15 05 48.0 |
| KIP EP | 15 05 50.4 |
| GUA EP | 15 06 12.0 |
| BCN IP C | 15 09 47.5 |
| E▸P | 11 57.5 |
| E▸P | 12 59.6 |
| EUR IP | 15 09 51.6 |
| E▸P | 12 02.2 |
| E▸P | 13 11.0 |
| ESKS | 19 17.5 |
| TUC IP C | 15 09 53.6 |
| E▸P | 12 05.5 |
| COL EP | 15 10 07.0 |
| I▸P | 12 21.5 |
| ISKS | 19 51.0 |
| FGU IP | 15 10 16.0 |
| HHM EP | 15 10 17.3 |
| ESKS | 19 49.8 |
| BOZ IP | 15 10 19.8 |
| E▸P | 12 34.0 |
| EPP | 13 51.0 |
| JUN 2 | |
| COL EP | 15 06 55.0 |
| JUN 2 | |
| COL EP | 15 09 51.1 |
| JUN 2 | |
| H-17 05 51.2 | |
| 17.9S 179.3W | |
| h ABOUT 636KM | |
| COL EP | 17 17 27.0 |
| JUN 2 | |
| COL EP | 17 24 40.7 |
| JUN 2 | |
| COL EP | 17 27 58.0 |
| JUN 2 | |
| H-17 43 38.7 | |
| 15.8N 046.7W | |
| h ABOUT 32KM | |
| EUR IP | 17 54 13.0 |
| COL EP | 17 55 49.0 |
| JUN 2 | |
| COL E(P) | 19 15 00.0 |
| JUN 2 | |
| COL EP | 19 23 36.0 |
| JUN 2 | |
| H-20 24 49.7 | |
| 21.0N 120.8E | |
| h ABOUT 33KM | |
| COL EP | 20 36 10.0 |
| E | 36 25.0 |
| JUN 2 | |
| KIP E(P) | 20 46 59.2 |
| I | 47 08.1 |
| JUN 2 | |
| H-20 47 07.2 | |
| 38.9N 117.9W | |
| h ABOUT 33KM | |
| EUR IP | 20 47 33.6 |
| IS | 47 54.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BCN EP | 20 48 06.5 |
| I | 48 18.5 |
| I | 48 57.0 |
| IL | 49 10.5 |
| BOZ EP | 20 49 06.9 |
| E | 49 31.0 |
| JUN 2 | |
| KIP E(P) | 21 24 22.4 |
| JUN 2 | |
| H-21 28 00.2 | |
| 42.1N 069.5E | |
| h ABOUT 33KM | |
| COL EP | 21 39 08.0 |
| JUN 2 | |
| EUR IP | 22 02 01.2 |
| IS | 02 16.6 |
| JUN 2 | |
| FGU EP | 22 57 10.8 |
| JUN 2 | |
| H-23 40 23.5 | |
| 15.9N 046.6W | |
| h ABOUT 33KM | |
| SJG IP | 23 44 39.4 |
| ES | 48 17.0 |
| BHP IP | 23 46 57.5 |
| WAS EP | 23 47 15.0 |
| E | 48 27.0 |
| ES | 52 53.0 |
| WSC EP | 23 47 16.1 |
| E | 47 22.5 |
| E | 48 34.5 |
| PHI E(P) | 23 47 16.1 |
| I | 48 29.9 |
| CSC IP D | 23 47 22.0 |
| I | 47 33.0 |
| ES | 53 01.0 |
| RCD IP D | 23 49 55.0 |
| E | 50 06.0 |
| ES | 57 42.0 |
| ALQ IP | 23 50 04.5 |
| FGU IP | 23 50 24.5 |
| TUC IP | 23 50 29.0 |
| ES | 58 48.0 |
| EP'P' | 00 20 04.0 |
| GCA E(P) | 23 50 35.5 |
| SLC IP | 23 50 37.8 |
| BOZ IP | 23 50 37.9 |
| ES | 59 00.0 |
| HHM EP C | 23 50 49.8 |
| I | 50 54.8 |
| BCN EP | 23 50 51.5 |
| I | 50 53.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR IP C | 23 50 57.5 |
| EP'P' | 24 19 51.5 |
| UKI E(P) | 23 51 35.0 |
| COL IP | 23 52 33.1 |
| GUA EP' | 24 00 07.7 |
| JUN 3 | |
| COL EP | 00 02 11.0 |
| JUN 3 | |
| COL EP | 00 05 54.0 |
| JUN 3 | |
| COL EP | 01 11 22.0 |
| JUN 2 | |
| EUR IP | 03 28 24.8 |
| IS | 28 42.3 |
| JUN 3 | |
| EUR IP | 03 45 53.4 |
| IS | 46 11.0 |
| JUN 3 | |
| BOZ EP | 03 47 23.1 |
| JUN 3 | |
| H-04 13 38.9 | |
| 51.1N 175.0E | |
| h ABOUT 38KM | |
| COL E(P) | 04 18 47.3 |
| EUR IP | 04 22 18.7 |
| JUN 3 | |
| H-04 45 09.8 | |
| 08.8S 157.1E | |
| h ABOUT 20KM | |
| GUA EP | 04 50 36.3 |
| COL IP | 04 57 38.7 |
| IpP | 57 45.5 |
| EUR IP C | 04 58 25.2 |
| EpP | 58 31.0 |
| BOZ EP | 04 58 42.0 |
| JUN 3 | |
| EUR IP | 06 14 39.8 |
| IS | 15 00.9 |
| JUN 3 | |
| H-07 14 59.0 | |
| 16.1N 046.7W | |
| h ABOUT 33KM | |
| TUC EP | 07 25 04.2 |
| BOZ EP | 07 25 13.0 |
| BCN EP | 07 25 27.5 |
| EUR EP | 07 25 33.0 |
| COL IP | 07 27 08.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 3 | |
| H-07 20 22.9 | |
| 40.5S 084.6W | |
| h ABOUT 33KM | |
| ALQ EP | 07 32 17.5 |
| EUR EP | 07 32 53.3 |
| JUN 3 | |
| H-07 43 38.2 | |
| 52.0N 175.8E | |
| h ABOUT 49KM | |
| COL EP | 07 48 36.0 |
| BRW IP | 07 48 41.3 |
| KIP EP | 07 50 42.4 |
| HON EP | 07 50 42.6 |
| HHM EP | 07 51 38.6 |
| EpP | 51 54.8 |
| EPP | 53 27.3 |
| BOZ IP | 07 52 01.9 |
| I | 53 16.0 |
| EUR IP C | 07 52 10.6 |
| I(SCP) | 57 51.7 |
| SLC EP | 07 52 24.2 |
| BCN EP | 07 52 33.0 |
| I | 52 36.6 |
| EPCP | 53 53.5 |
| ESCP | 57 44.0 |
| FGU EP | 07 52 34.0 |
| RCD EP | 07 52 42.0 |
| E | 52 48.0 |
| TUC EP | 07 53 09.6 |
| ALQ IP | 07 53 15.0 |
| JUN 3 | |
| H-08 00 54.4 | |
| 50.1N 155.8E | |
| h ABOUT 33KM | |
| COL EP | 08 07 25.0 |
| EUR IP | 08 11 00.0 |
| JUN 3 | |
| BOZ EP | 08 09 35.0 |
| JUN 3 | |
| EUR EP | 08 15 19.5 |
| JUN 3 | |
| COL EP | 08 17 37.0 |
| JUN 3 | |
| H-08 33 13.4 | |
| 15.4N 046.4W | |
| h ABOUT 33KM | |
| BOZ E(P) | 08 43 31.5 |
| EUR EP | 08 43 51.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL EP | 08 45 27.0 |
| JUN 3 | |
| H-09 32 56.1 | |
| 15.8N 045.6W | |
| h ABOUT 33KM | |
| RCD E(P) | 09 42 33.0 |
| TUC EP | 09 43 08.0 |
| BOZ EP | 09 43 16.2 |
| E | 43 44.5 |
| BCN EP | 09 43 31.0 |
| EUR IP | 09 43 36.4 |
| COL EP | 09 45 11.0 |
| JUN 3 | |
| COL E(P) | 10 13 02.3 |
| JUN 3 | |
| H-10 42 29.2 | |
| 16.1N 046.7W | |
| h ABOUT 33KM | |
| BOZ EP | 10 52 42.5 |
| E | 53 27.6 |
| BCN EP | 10 52 57.5 |
| EUR EP | 10 53 02.7 |
| COL EP | 10 54 38.0 |
| JUN 3 | |
| H-10 57 08.5 | |
| 18.5N 070.3W | |
| h ABOUT 27KM | |
| BHP IP | 11 00 11.0 |
| IS | 02 27.0 |
| WAS E(P) | 11 01 47.0 |
| ES | 05 37.0 |
| WSC EP | 11 01 55.3 |
| EpP | 02 02.9 |
| E | 02 13.7 |
| ALQ IP | 11 04 09.5 |
| RCD EP | 11 04 22.0 |
| IpP | 04 29.0 |
| TUC EP | 11 04 33.7 |
| FGU EP | 11 04 44.5 |
| SLC EP | 11 04 59.3 |
| IpP | 05 07.6 |
| BCN EP | 11 05 08.0 |
| IpP | 05 16.0 |
| E | 06 24.0 |
| EPCP | 06 57.6 |
| EpPCP | 07 06.5 |
| BOZ IP | 11 05 13.5 |
| IpP | 05 20.0 |
| BUT E(P) | 11 05 20.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR IP C | 11 05 20.8 |
| I▸P | 05 28.0 |
| EPCP | 07 03.2 |
| I▸PCP | 07 11.8 |
| E | 11 07.7 |
| HHM EP | 11 05 33.3 |
| E▸P | 05 41.2 |
| COL IP | 11 08 06.7 |
| JUN 3 | |
| COL E(P) | 11 22 45.2 |
| JUN 3 | |
| H-12 12 36.8 | |
| 13.1S 076.8W | |
| h ABOUT 082KM | |
| FUR EP | 12 23 03.5 |
| E▸P | 23 11.5 |
| BOZ EP | 12 23 19.0 |
| JUN 3 | |
| BOZ EP | 12 15 38.0 |
| BCN EP | 12 15 53.0 |
| FUR EP | 12 16 03.5 |
| COL EP | 12 17 32.0 |
| JUN 3 | |
| H-12 28 13.0 | |
| 16.2N 046.8W | |
| h ABOUT 33KM | |
| RCD IP C | 12 37 42.0 |
| ALQ EP | 12 37 52.2 |
| TUC EP | 12 38 17.6 |
| BCN EP | 12 38 40.0 |
| EUR IP | 12 38 45.2 |
| COL EP | 12 40 20.0 |
| JUN 3 | |
| H-13 24 24.1 | |
| 44.8N 150.8E | |
| h ABOUT 21KM | |
| COL EP | 13 31 48.0 |
| BOZ EP | 13 35 04.0 |
| I | 35 14.5 |
| EUR EP | 13 35 09.0 |
| JUN 3 | |
| COL EP | 13 56 13.0 |
| JUN 3 | |
| H-14 38 02.0 | |
| 6.2S 155.0E | |
| h ABOUT 104KM | |
| COL EP | 14 50 12.0 |
| E▸P | 50 38.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR EP | 14 51 07.0 |
| E▸P | 51 35.0 |
| JUN 3 | |
| H-14 49 55.0 | |
| 16.7N 046.8W | |
| h ABOUT 33KM | |
| EUR EP | 15 00 25.0 |
| COL EP | 15 02 01.0 |
| JUN 3 | |
| H-15 11 27.2 | |
| 16.0N 046.7W | |
| h ABOUT 33KM | |
| TUC EP | 15 21 32.2 |
| BOZ EP | 15 21 41.5 |
| EUR IP | 15 22 01.4 |
| COL EP | 15 23 35.2 |
| JUN 3 | |
| COL EP | 15 53 43.0 |
| JUN 3 | |
| H-15 58 09.0 | |
| 42.9S 016.2W | |
| h ABOUT 33KM | |
| COL EP' | 16 17 40.0 |
| BRW EP' | 16 17 43.5 |
| JUN 3 | |
| COL IP | 16 08 01.6 |
| JUN 3 | |
| EUR EP | 16 14 19.0 |
| EL | 14 47.0 |
| JUN 3 | |
| H-16 26 29.0 | |
| 38.3N 119.2W | |
| h ABOUT 33KM | |
| EUR IP C | 16 27 11.3 |
| UKI E(P) | 16 27 20.0 |
| BCN EP | 16 27 33.0 |
| I | 27 44.0 |
| EL | 28 35.0 |
| SLC EP | 16 28 06.2 |
| FGU EP | 16 28 28.0 |
| TUC E(P) | 16 28 40.8 |
| EL | 31 17.0 |
| BOZ E(P) | 16 28 45.0 |
| EL | 31 16.0 |
| ALQ E(P) | 16 29 09.5 |
| HHM E(P) | 16 29 11.0 |
| EL | 32 10.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 3 | |
| H-16 31 02.8 | |
| 38.4N 119.2W | |
| h ABOUT 33KM | |
| EUR E(P) | 16 31 44.8 |
| BCN E(P) | 16 32 08.0 |
| I | 32 19.4 |
| EL | 33 12.0 |
| JUN 3 | |
| COL EP | 17 02 47.5 |
| E | 03 14.7 |
| JUN 3 | |
| COL EP | 17 13 21.0 |
| JUN 3 | |
| BOZ EP | 17 28 50.0 |
| JUN 3 | |
| H-18 31 50.7 | |
| 39.8N 023.2E | |
| h ABOUT 31KM | |
| COL E(P) | 18 43 33.5 |
| HHM IP | 18 44 21.9 |
| I | 44 26.6 |
| I | 44 31.2 |
| BOZ EP | 18 44 30.0 |
| EUR EP | 18 44 56.0 |
| JUN 3 | |
| EUR EP | 18 34 40.0 |
| COL EP | 18 36 16.0 |
| JUN 3 | |
| BRW E(P) | 19 17 06.0 |
| JUN 3 | |
| H-19 30 25.8 | |
| 43.6N 106.5W | |
| h ABOUT 33KM | |
| RCD EP | 19 31 04.5 |
| IL | 31 37.0 |
| FGU EP | 19 31 19.0 |
| I | 31 22.8 |
| EL | 32 12.3 |
| BOZ EP | 19 31 29.0 |
| I | 31 38.0 |
| I | 32 22.0 |
| IL | 32 32.0 |
| SLC EP | 19 31 39.3 |
| HHM EP | 19 32 13.7 |
| EL | 33 51.0 |
| EUR IP | 19 32 25.9 |
| EL | 34 28.0 |
| JUN 3 | |
| COL EP | 19 41 42.7 |
| JUN 3 | |
| TUC EP | 19 44 47.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 3 | |
| H-20 30 37.9 | |
| 44.0N 145.3E | |
| h ABOUT 143KM | |
| BRW IP | 20 37 48.8 |
| COL IP | 20 38 14.3 |
| EUR IP | 20 41 31.6 |
| I▸P | 42 07.2 |
| IsP | 42 23.0 |
| JUN 3 | |
| EUR IP | 21 05 54.3 |
| IS | 06 16.5 |
| JUN 3 | |
| H-21 06 51.0 | |
| 45.2N 110.9W | |
| h ABOUT 033KM | |
| BZM EP | 21 07 01.0 |
| BOZ IP | 21 07 02.5 |
| IS | 07 11.5 |
| BUT EP | 21 07 15.6 |
| ES | 07 38.9 |
| HHM EP | 21 07 50.2 |
| E | 08 02.0 |
| EL | 08 53.0 |
| EUR EP | 21 08 30.9 |
| JUN 3 | |
| COL E(P) | 21 11 21.0 |
| JUN 3 | |
| COL EP | 21 13 03.3 |
| JUN 3 | |
| TUC EP | 21 19 08.0 |
| ES | 19 27.5 |
| JUN 3 | |
| H-21 38 45.3 | |
| 16.2N 046.2W | |
| h ABOUT 33KM | |
| EUR EP | 21 49 20.0 |
| COL EP | 21 50 55.0 |
| JUN 3 | |
| BCN IP | 22 09 22.6 |
| IS | 09 27.5 |
| JUN 3 | |
| EUR IP | 22 18 02.6 |
| JUN 3 | |
| BHP IP | 23 30 20.0 |
| IS | 30 38.0 |
| JUN 4 | |
| H-00 48 31.4 | |
| 17.7N 047.5W | |
| h ABOUT 033KM | |
| BCN EP | 00 58 49.0 |
| EUR EP | 00 58 53.8 |

| Date and Station | Phase (GCT) |
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| | h m s |
| JUN 4 | |
| COL EP | 01 00 28.0 |
| JUN 4 | |
| COL IP | 01 05 58.0 |
| JUN 4 | |
| COL EP | 01 31 37.7 |
| JUN 4 | |
| TUC E(P) | 02 00 06.3 |
| E | 00 55.2 |
| JUN 4 | |
| COL EP | 05 59 28.0 |
| JUN 4 | |
| H-06 05 15.3 | |
| 16.1N 046.8W | |
| h ABOUT 33KM | |
| BOZ EP | 06 15 29.2 |
| COL IP | 06 17 24.0 |
| JUN 4 | |
| BRW E(P) | 06 44 35.5 |
| JUN 4 | |
| COL EP | 06 56 22.0 |
| JUN 4 | |
| BCN IP D | 07 42 28.4 |
| IS | 42 29.9 |
| JUN 4 | |
| H-08 05 36.4 | |
| 44.3S 075.8W | |
| h ABOUT 33KM | |
| TUC EP | 08 17 57.5 |
| ALQ IP | 08 18 02.0 |
| BCN EP | 08 18 22.5 |
| EUR IP | 08 18 38.7 |
| BOZ EP | 08 18 56.0 |
| JUN 4 | |
| BRW EP | 08 30 50.7 |
| JUN 4 | |
| COL IP | 08 39 27.1 |
| JUN 4 | |
| TUC E(P) | 08 54 09.5 |
| JUN 4 | |
| H-08 57 31.6 | |
| 53.1N 174.9E | |
| h ABOUT 33KM | |
| COL EP | 09 02 25.0 |
| BOZ EP | 09 05 56.0 |
| EUR EP | 09 06 07.5 |
| JUN 4 | |
| H-10 34 17.5 | |
| 16.0N 046.7W | |
| h ABOUT 33KM | |
| BOZ EP | 10 44 31.5 |
| BCN EP | 10 44 45.5 |
| EUR EP | 10 44 51.0 |
| COL EP | 10 46 24.0 |
| JUN 4 | |
| COL IP | 11 25 39.5 |
| BOZ EP | 11 30 30.2 |
| EUR EP | 11 30 38.8 |
| JUN 4 | |
| KIP E(P) | 12 41 12.1 |
| JUN 4 | |
| BCN EP | 12 43 07.5 |
| EUR EP | 12 43 12.4 |
| JUN 4 | |
| COL EP | 12 59 37.0 |
| JUN 4 | |
| COL EP | 13 03 37.0 |
| JUN 4 | |
| H-13 16 39.3 | |
| 61.7N 146.2W | |
| h ABOUT 45KM | |
| COL IP | 13 17 29.8 |
| JUN 4 | |
| COL IP | 13 20 43.0 |
| JUN 4 | |
| H-13 31 13.0 | |
| 18.0N 146.4E | |
| h ABOUT 62KM | |
| GUA EP | 13 32 24.0 |
| E(S) | 33 17.0 |
| BRW EP | 13 41 33.1 |
| COL EP | 13 41 37.0 |
| EUR IP | 13 43 40.8 |
| I▸P | 43 57.6 |
| BOZ IP | 13 43 45.4 |
| BCN EP | 13 43 50.6 |
| E▸P | 44 07.0 |
| TUC EP | 13 44 11.8 |
| JUN 4 | |
| H-14 14 22.2 | |
| 51.2N 178.5E | |
| h ABOUT 33KM | |
| BOZ EP | 14 22 36.5 |
| EUR IP | 14 22 45.2 |
| JUN 4 | |
| H-14 26 16.2 | |
| 51.1N 178.7E | |
| h ABOUT 49KM | |
| COL IP | 14 31 09.0 |
| BRW EP | 14 31 18.7 |
| HHM E(P) | 14 34 05.0 |
| BOZ EP | 14 34 29.0 |
| EUR IP | 14 34 37.1 |
| I | 34 50.7 |
| JUN 4 | |
| H-14 53 27.7 | |
| 09.1S 079.1W | |
| h ABOUT 33KM | |
| EUR I(P) | 15 03 27.6 |
| JUN 4 | |
| H-15 02 17.9 | |
| 51.1N 178.5E | |
| h ABOUT 35KM | |
| COL EP | 15 07 11.0 |
| BRW IP | 15 07 22.1 |
| I | 07 34.6 |
| E | 09 16.7 |
| HHM EP | 15 10 09.4 |
| BOZ EP | 15 10 32.0 |
| I▸P | 10 43.0 |
| I▸P | 10 47.5 |
| EUR IP | 15 10 40.4 |
| SLC EP | 15 10 54.3 |
| FGU EP | 15 11 03.5 |
| BCN EP | 15 11 04.5 |
| RCD E(P) | 15 11 17.0 |
| TUC EP | 15 11 39.7 |
| E▸P | 11 53.0 |
| JUN 4 | |
| H-15 26 54.3 | |
| 29.9S 178.9W | |
| h ABOUT 222KM | |
| BCN IP D | 15 39 26.0 |
| E | 39 42.5 |
| TUC IP D | 15 39 28.0 |
| EUR IP | 15 39 32.2 |
| E▸P | 40 27.2 |
| SLC EP | 15 39 46.9 |
| COL EP | 15 40 02.0 |
| BOZ IP | 15 40 02.0 |
| E | 41 20.0 |
| JUN 4 | |
| KIP EP | 15 45 48.0 |
| JUN 4 | |
| TUC E(P) | 15 56 27.2 |
| BCN E(P) | 15 56 34.5 |
| EL | 57 33.0 |
| JUN 4 | |
| H-15 56 56.4 | |
| 31.7N 095.2E | |
| h ABOUT 33KM | |
| COL IP | 16 08 19.1 |
| JUN 4 | |
| COL EP | 16 47 31.8 |
| JUN 4 | |
| H-17 24 47.5 | |
| 20.9S 178.1W | |
| h ABOUT 554KM | |
| TUC EP | 17 36 18.5 |
| EUR IP | 17 36 18.9 |
| COL IP | 17 36 40.6 |
| BOZ IP | 17 36 47.5 |
| JUN 4 | |
| BOZ EP | 17 53 03.0 |
| JUN 4 | |
| RCD E(P) | 19 27 07.5 |
| JUN 4 | |
| BOZ EP | 19 51 49.0 |
| I | 52 00.0 |
| JUN 4 | |
| H-22 55 01.8 | |
| 52.0N 177.3E | |
| h ABOUT 33KM | |
| COL EP | 22 59 57.0 |
| BOZ EP | 23 03 19.5 |
| EUR IP | 23 03 28.9 |
| JUN 4 | |
| EUR EP | 23 59 58.5 |
| JUN 5 | |
| H-00 16 44.1 | |
| 15.6S 167.7E | |
| h ABOUT 125KM | |
| COL EP | 00 29 15.0 |
| EUR EP | 00 29 30.7 |
| JUN 5 | |
| H-01 00 54.8 | |
| 51.9N 175.7E | |
| h ABOUT 22KM | |
| COL IP | 01 05 58.0 |
| JUN 5 | |
| EUR IP | 01 07 10.6 |
| IL | 07 49.5 |
| JUN 5 | |
| KIP E(P) | 01 46 33.6 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| JUN 5 | | |
| H-03 49 02.0 | | |
| 1.6S 126.7E | | |
| h ABOUT 26KM | | |
| GUA | EP | 03 54 10.0 |
| | ES | 57 10.0 |
| COL | EP | 04 01 56.9 |
| JUN 5 | | |
| EUR | E(P) | 04 33 41.3 |
| JUN 5 | | |
| H-06 43 57.6 | | |
| 6.2S 151.2E | | |
| h ABOUT 42KM | | |
| GUA | E(P) | 06 48 35.2 |
| COL | IP | 06 56 22.2 |
| EUR | IP | 06 57 24.1 |
| JUN 5 | | |
| TUC | E(P) | 07 38 50.0 |
| | E | 39 02.3 |
| | EL | 39 36.0 |
| EUR | EP | 07 40 06.5 |
| | IL | 42 32.9 |
| JUN 5 | | |
| SIT | E(P) | 08 39 21.5 |
| JUN 5 | | |
| H-10 08 40.4 | | |
| 17.3N 046.0W | | |
| h ABOUT 33KM | | |
| TUC | EP | 10 18 44.5 |
| EUR | IP | 10 19 12.8 |
| COL | EP | 10 20 46.2 |
| | E | 20 53.4 |
| JUN 5 | | |
| BOZ | EP | 10 19 45.5 |
| JUN 5 | | |
| TUC | E(P) | 11 10 37.7 |
| | E | 10 42.8 |
| JUN 5 | | |
| H-11 13 47.6 | | |
| 15.8S 174.7W | | |
| h ABOUT 295KM | | |
| BCN | EP | 11 25 07.4 |
| EUR | IP | 11 25 13.8 |
| TUC | EP | 11 25 13.8 |
| ALQ | IP | 11 25 36.8 |
| COL | IP | 11 25 39.7 |
| HHM | E(P) | 11 25 43.0 |
| BOZ | IP | 11 25 44.4 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| JUN 5 | | |
| TUC | E(P) | 11 42 52.5 |
| JUN 5 | | |
| H-12 09 05.2 | | |
| 07.7N 036.1W | | |
| h ABOUT 33KM | | |
| BOZ | EP | 12 20 42.0 |
| EUR | EP | 12 20 59.0 |
| JUN 5 | | |
| TUC | E(P) | 12 34 17.3 |
| JUN 5 | | |
| H-12 39 17.5 | | |
| 60.1S 018.4W | | |
| h ABOUT 33KM | | |
| BOZ | EP' | 12 58 22.0 |
| | E | 13 02 24.5 |
| HHM | EP' | 12 58 24.0 |
| | E | 13 02 28.1 |
| JUN 5 | | |
| COL | E(P) | 12 57 47.4 |
| JUN 5 | | |
| H-13 00 23.1 | | |
| 60.0S 018.6W | | |
| h ABOUT 33KM | | |
| TUC | EP' | 13 19 06.5 |
| BOZ | IP' | 13 19 29.1 |
| JUN 5 | | |
| EUR | EP | 13 16 46.2 |
| | IL | 17 15.2 |
| JUN 5 | | |
| HHM | EP | 13 18 33.6 |
| JUN 5 | | |
| EUR | IP | 14 13 23.1 |
| | IS | 13 35.6 |
| JUN 5 | | |
| H-14 42 54.0 | | |
| 04.2S 153.1E | | |
| h ABOUT 49KM | | |
| COL | EP | 14 55 05.0 |
| EUR | E(P) | 14 56 23.8 |
| JUN 5 | | |
| COL | E(P) | 15 32 50.5 |
| JUN 5 | | |
| GUA | EP | 15 52 30.7 |
| | E(S) | 52 58.4 |
| JUN 5 | | |
| BOZ | EP | 16 21 07.0 |
| JUN 5 | | |
| EUR | IP | 17 49 36.0 |
| | IS | 49 56.0 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| JUN 5 | | |
| COL | EP | 19 35 39.0 |
| | E | 35 47.0 |
| JUN 5 | | |
| EUR | IP | 20 19 03.5 |
| | EL | 19 32.5 |
| JUN 5 | | |
| COL | EP | 21 26 09.0 |
| JUN 5 | | |
| TUC | E(P) | 21 54 40.1 |
| JUN 5 | | |
| EUR | IP | 21 55 55.7 |
| JUN 5 | | |
| TUC | E(P) | 22 00 56.9 |
| JUN 5 | | |
| COL | E(P) | 22 58 43.5 |
| JUN 5 | | |
| H-23 02 40.3 | | |
| 41.6N 127.4W | | |
| h ABOUT 33KM | | |
| EUR | E(P) | 23 04 52.0 |
| JUN 5 | | |
| COL | EP | 23 15 26.0 |
| JUN 6 | | |
| H-03 20 03.3 | | |
| 47.1N 145.6E | | |
| h ABOUT 340KM | | |
| COL | EP | 03 27 00.0 |
| EUR | IP | 03 30 24.5 |
| JUN 6 | | |
| EUR | IP | 03 24 05.0 |
| JUN 6 | | |
| H-03 37 37.0 | | |
| 12.7N 090.1W | | |
| h ABOUT 30KM | | |
| EUR | IP | 03 44 31.5 |
| | EpP | 44 41.0 |
| JUN 6 | | |
| TUC | E(P) | 03 47 10.0 |
| JUN 6 | | |
| COL | IP | 03 54 03.2 |
| JUN 6 | | |
| TUC | E(P) | 04 17 32.0 |
| | E | 18 16.5 |
| JUN 6 | | |
| BCN | EP | 05 23 27.0 |
| | EL | 23 58.0 |
| EUR | IP | 05 24 05.0 |
| JUN 6 | | |
| H-05 36 27.5 | | |
| 56.4N 161.0W | | |
| h ABOUT 033KM | | |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| COL | EP | 05 39 01.5 |
| EUR | EP | 05 43 09.2 |
| JUN 6 | | |
| H-06 10 31.5 | | |
| 23.7S 066.2W | | |
| h ABOUT 122KM | | |
| ALQ | IP | 06 21 30.2 |
| TUC | EP | 06 21 31.7 |
| EUR | IP | 06 22 20.3 |
| JUN 6 | | |
| COL | IP | 06 41 40.8 |
| JUN 6 | | |
| KIP | EP | 07 26 02.4 |
| | I | 26 06.0 |
| JUN 6 | | |
| COL | EP | 08 39 08.0 |
| JUN 6 | | |
| COL | EP | 08 48 42.3 |
| EUR | EP | 08 50 28.5 |
| | E | 50 58.0 |
| JUN 6 | | |
| EUR | IP | 10 21 48.2 |
| JUN 6 | | |
| TUC | E(P) | 10 38 51.7 |
| JUN 6 | | |
| EUR | IP | 11 42 05.4 |
| | IL | 42 33.5 |
| JUN 6 | | |
| TUC | E(P) | 12 08 34.4 |
| JUN 6 | | |
| H-12 32 20.4 | | |
| 32.9S 070.4W | | |
| h ABOUT 88KM | | |
| EUR | EP | 12 44 40.8 |
| BOZ | EP | 12 44 56.0 |
| JUN 6 | | |
| COL | EP | 12 36 33.0 |
| JUN 6 | | |
| H-13 30 59.3 | | |
| 32.3S 070.3W | | |
| h ABOUT 109KM | | |
| BOZ | EP | 13 43 29.6 |
| JUN 6 | | |
| COL | IP | 13 31 59.1 |
| JUN 6 | | |
| TUC | E(P) | 13 41 21.0 |
| | E | 42 08.3 |
| | I | 42 16.2 |
| JUN 6 | | |
| TUC | E(P) | 13 50 33.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| ALQ EP | 13 50 48.5 |
| EUR EP | 13 51 04.8 |
| COL EP | 13 56 30.5 |
| JUN 6 | |
| EUR IP | 14 27 05.6 |
| IL | 27 36.5 |
| JUN 6 | |
| COL EP | 15 45 38.0 |
| BOZ EP | 15 45 48.0 |
| JUN 6 | |
| COL IP | 17 11 00.5 |
| JUN 6 | |
| H-18 13 05.7 | |
| 24.4N 141.1E | |
| h ABOUT 102KM | |
| EUR IP | 18 25 27.2 |
| EsP | 25 54.4 |
| JUN 6 | |
| COL IP | 18 38 15.0 |
| JUN 6 | |
| COL EP | 20 01 54.0 |
| JUN 6 | |
| H-20 29 56.5 | |
| 36.0N 070.3W | |
| h ABOUT 121KM | |
| COL EP | 20 41 26.8 |
| EsP | 42 09.3 |
| JUN 6 | |
| TUC E(P) | 21 00 13.5 |
| JUN 6 | |
| H-21 29 48.8 | |
| 25.1S 179.4E | |
| h ABOUT 600KM | |
| TUC EP | 21 41 35.8 |
| EUR EP | 21 41 38.5 |
| JUN 6 | |
| H-21 41 37.2 | |
| 1.4S 080.5W | |
| h ABOUT 54KM | |
| ALQ IP | 21 49 38.2 |
| TUC EP | 21 49 42.4 |
| JUN 6 | |
| EUR IP | 21 55 20.9 |
| IS | 55 36.6 |
| JUN 6 | |
| COL EP | 22 06 40.0 |
| JUN 6 | |
| TUC E(P) | 23 01 05.1 |
| JUN 6 | |
| TUC E(P) | 23 04 35.8 |
| E(L) | 06 27.5 |

| Date and Station | Phase (GCT) |
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| | h m s |
| JUN 6 | |
| H-23 14 06.4 | |
| 41.7N 141.9E | |
| h ABOUT 65KM | |
| COL IP | 23 22 18.0 |
| JUN 7 | |
| TUC E(P) | 02 31 02.7 |
| E | 31 07.2 |
| E(L) | 31 58.6 |
| JUN 7 | |
| BOZ E(P) | 03 48 50.0 |
| JUN 7 | |
| COL EP | 04 19 49.0 |
| JUN 7 | |
| GUA EP | 04 32 27.2 |
| ES | 32 47.5 |
| JUN 7 | |
| BOZ EP | 04 42 10.0 |
| JUN 7 | |
| COL EP | 04 49 00.0 |
| JUN 7 | |
| H-04 50 46.9 | |
| 46.9N 152.9E | |
| h ABOUT 33KM | |
| COL IP | 04 57 47.8 |
| BOZ IP | 05 01 05.2 |
| EUR IP | 05 01 15.0 |
| EsP | 01 25.0 |
| EsP | 01 29.5 |
| JUN 7 | |
| TUC E(P) | 05 10 32.8 |
| E | 11 06.9 |
| E | 12 22.0 |
| JUN 7 | |
| EUR EP | 06 07 01.0 |
| JUN 7 | |
| H-06 17 26.5 | |
| 30.9S 179.8W | |
| h ABOUT 325KM | |
| TUC EP | 06 29 54.4 |
| EUR IP | 06 29 58.2 |
| JUN 7 | |
| BCN EP | 06 22 31.5 |
| E | 22 40.4 |
| EL | 23 33.5 |
| TUC E(P) | 06 22 38.0 |
| E | 22 54.3 |
| E(L) | 23 43.5 |
| EUR EP | 06 23 24.2 |
| I | 23 54.3 |
| JUN 7 | |
| COL P | 07 27 26.0 |

| Date and Station | Phase (GCT) |
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| | h m s |
| JUN 7 | |
| COL EP | 08 14 20.0 |
| JUN 7 | |
| H-08 19 25.6 | |
| 51.1N 176.6E | |
| h ABOUT 17KM | |
| COL IP | 08 24 30.0 |
| BOZ EP | 08 27 52.5 |
| EUR IP | 08 28 00.0 |
| IsP | 28 05.5 |
| JUN 7 | |
| TUC E(P) | 08 46 01.4 |
| JUN 7 | |
| COL IP | 09 08 07.3 |
| JUN 7 | |
| H-10 19 05.5 | |
| 04.7S 103.2E | |
| h ABOUT 110KM | |
| COL EPP | 10 37 33.0 |
| I | 38 56.0 |
| EUR IP' | 10 38 07.1 |
| JUN 7 | |
| H-13 15 27.3 | |
| 16.5S 178.9W | |
| h ABOUT 33KM | |
| EUR EP | 13 27 34.6 |
| TUC E(P) | 13 27 40.1 |
| COL IP | 13 27 56.8 |
| BOZ EP | 13 28 12.0 |
| JUN 7 | |
| H-14 28 01.3 | |
| 36.1N 112.2W | |
| h ABOUT 33KM | |
| GCA IP | 14 28 18.1 |
| ES | 28 31.9 |
| BCN E(P) | 14 28 36.8 |
| I | 28 38.6 |
| IL | 29 07.7 |
| TUC E(P) | 14 29 01.5 |
| E(L) | 30 03.9 |
| EUR E(P) | 14 29 11.0 |
| ALQ E(P) | 14 29 19.0 |
| JUN 7 | |
| COL IP | 14 50 08.3 |
| JUN 7 | |
| EUR IP | 15 09 25.7 |
| JUN 7 | |
| H-15 12 54.1 | |
| 17.7S 178.8W | |
| h ABOUT 560KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR IP | 15 24 15.4 |
| TUC EP | 15 24 17.0 |
| COL EP | 15 24 33.8 |
| BOZ E(P) | 15 24 44.5 |
| JUN 7 | |
| BOZ E(P) | 15 55 26.0 |
| EUR E(P) | 15 55 28.5 |
| JUN 7 | |
| COL E(P) | 16 17 34.0 |
| JUN 7 | |
| COL E(P) | 16 29 18.0 |
| EUR EP | 16 32 54.2 |
| JUN 7 | |
| EUR IP | 16 36 50.3 |
| JUN 7 | |
| H-17 50 44.1 | |
| 23.1S 064.9W | |
| h ABOUT 46KM | |
| EUR IP | 18 02 42.2 |
| JUN 7 | |
| H-17 59 15.7 | |
| 46.9N 113.2W | |
| h ABOUT 033KM | |
| BUT EP | 17 59 33.0 |
| IS | 59 47.0 |
| HHM IP | 17 59 40.7 |
| IS | 18 00 01.2 |
| BOZ IP | 17 59 45.5 |
| IS | 18 00 05.5 |
| JUN 7 | |
| HHM I(P) | 18 00 20.2 |
| IL | 00 41.2 |
| JUN 7 | |
| H-18 44 56.6 | |
| 19.2N 108.1W | |
| h ABOUT 33KM | |
| TUC E(P) | 18 48 05.5 |
| BCN EP | 18 49 05.4 |
| EUR IP | 18 49 43.7 |
| SLC EP | 18 49 48.4 |
| BOZ EP | 18 50 33.0 |
| JUN 7 | |
| H-19 06 58.8 | |
| 18.6N 108.1W | |
| h ABOUT 33KM | |
| TUC E(P) | 19 10 15.5 |
| BCN E(P) | 19 11 12.0 |
| EUR IP | 19 11 51.0 |

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|---|---|---|
| | | h m s |
| JUN 7 | | |
| H-19 36 52.9 | | |
| 19.3N 106.8W | | |
| h ABOUT 33KM | | |
| EUR | EP | 19 41 41.5 |
| JUN 7 | | |
| H-20 05 38.2 | | |
| 18.8N 107.8W | | |
| h ABOUT 33KM | | |
| EUR | EP | 20 10 28.2 |
| JUN 7 | | |
| BHP | IP | 21 42 23.0 |
| | IS | 43 02.0 |
| JUN 7 | | |
| TUC | EP | 21 52 34.2 |
| | ES | 53 10.5 |
| JUN 7 | | |
| H-22 23 21.9 | | |
| 19.2N 107.8W | | |
| h ABOUT 33KM | | |
| EUR | E(P) | 22 28 08.8 |
| JUN 7 | | |
| BOZ | E(P) | 23 24 18.5 |
| | E | 26 10.5 |
| JUN 8 | | |
| COL | EP | 00 07 55.0 |
| JUN 8 | | |
| COL | IP | 00 58 08.0 |
| JUN 8 | | |
| H-01 25 59.6 | | |
| 11.0N 086.8W | | |
| h ABOUT 33KM | | |
| EUR | E(P) | 01 33 23.5 |
| JUN 8 | | |
| KIP | E(P) | 01 33 28.0 |
| JUN 8 | | |
| KIP | EP | 01 41 30.3 |
| | ES | 42 05.3 |
| JUN 8 | | |
| KIP | EP | 02 27 07.3 |
| | E(S) | 27 12.9 |
| JUN 8 | | |
| TUC | E(P) | 03 28 38.5 |
| JUN 8 | | |
| H-06 14 33.6 | | |
| 36.4N 141.5E | | |
| h ABOUT 026KM | | |
| COL | E(P) | 06 23 34.5 |
| | E | 23 42.5 |
| EUR | EP | 06 26 23.7 |
| | E | 26 32.5 |
| JUN 8 | | |
| TUC | E(P) | 07 46 55.0 |

| Date and Station | Phase | (GCT) |
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| | | h m s |
| JUN 8 | | |
| GUA | EP | 08 28 25.7 |
| | E(S) | 28 47.5 |
| JUN 8 | | |
| H-08 41 29.8 | | |
| 51.2N 175.9E | | |
| h ABOUT 49KM | | |
| COL | EP | 08 46 32.0 |
| EUR | IP | 08 50 02.8 |
| JUN 8 | | |
| EUR | EP | 09 05 23.0 |
| | IL | 05 45.0 |
| JUN 8 | | |
| H-09 15 14.8 | | |
| 13.4N 091.8W | | |
| h ABOUT 42KM | | |
| EUR | EP | 09 21 54.6 |
| JUN 8 | | |
| EUR | EP | 09 33 02.0 |
| JUN 8 | | |
| TUC | E(P) | 10 51 55.0 |
| JUN 8 | | |
| H-12 41 40.8 | | |
| 42.1N 126.6W | | |
| h ABOUT 33KM | | |
| EUR | IP | 12 43 43.2 |
| BCN | EP | 12 44 18.0 |
| TUC | E(P) | 12 45 17.8 |
| ALQ | EP | 12 45 41.8 |
| JUN 8 | | |
| H-12 42 23.3 | | |
| 41.9N 126.9W | | |
| h ABOUT 033KM | | |
| UKI | EP | 12 43 19.7 |
| EUR | UP | 12 44 28.5 |
| HHM | EP | 12 45 03.5 |
| BCN | EP | 12 45 04.0 |
| SLC | EP | 12 45 06.9 |
| COL | E(P) | 12 47 55.3 |
| JUN 8 | | |
| COL | EP | 12 56 02.0 |
| JUN 8 | | |
| H-13 24 56.2 | | |
| 22.9N 108.5W | | |
| h ABOUT 33KM | | |
| EUR | EP | 13 29 02.5 |
| JUN 8 | | |
| H-13 39 56.8 | | |
| 23.2N 108.4W | | |
| h ABOUT 33KM | | |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| ALQ | IP | 13 42 46.5 |
| | IL | 46 09.0 |
| BCN | EP D | 13 43 15.0 |
| | EL | 47 59.0 |
| EUR | IP D | 13 44 00.2 |
| SLC | EP | 13 44 04.2 |
| RCD | EP | 13 44 43.0 |
| | E | 49 51.0 |
| | EL | 51 24.0 |
| BUT | EP | 13 45 01.2 |
| HHM | EP D | 13 45 23.4 |
| | E | 47 10.2 |
| | EL | 53 22.2 |
| CSC | EP | 13 45 30.0 |
| | ES | 50 08.0 |
| COL | EP | 13 48 40.0 |
| WAS | ES | 13 50 00.0 |
| JUN 8 | | |
| BHP | IP | 13 55 27.0 |
| JUN 8 | | |
| GUA | EP | 15 08 37.0 |
| JUN 8 | | |
| HHM | E(P) | 19 13 00.0 |
| | IL | 13 34.3 |
| JUN 8 | | |
| EUR | IP | 19 20 13.1 |
| | IL | 20 36.5 |
| JUN 8 | | |
| HHM | EP | 20 48 23.3 |
| | EL | 49 23.3 |
| JUN 8 | | |
| SIT | E(P) | 21 19 34.5 |
| | E | 20 02.0 |
| JUN 8 | | |
| TUC | E(P) | 21 21 14.9 |
| | ES | 21 47.8 |
| JUN 8 | | |
| EUR | IP | 21 54 35.1 |
| | IS | 54 50.6 |
| JUN 8 | | |
| TUC | E(P) | 22 25 43.0 |
| JUN 8 | | |
| ALQ | IP | 22 27 23.5 |
| JUN 8 | | |
| H-23 24 32.0 | | |
| 46.8N 152.6E | | |
| h ABOUT 67KM | | |
| COL | IP | 23 31 31.2 |
| EUR | IP | 23 34 57.4 |
| JUN 9 | | |
| ALQ | IP | 01 17 35.5 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| TUC | E(P) | 01 17 49.0 |
| JUN 9 | | |
| EUR | EP | 01 20 02.6 |
| JUN 9 | | |
| UKI | EP | 03 58 20.4 |
| EUR | E(P) | 03 59 32.6 |
| JUN 9 | | |
| KIP | EP | 04 27 40.0 |
| JUN 9 | | |
| H-04 52 29.7 | | |
| 32.3S 071.8W | | |
| h ABOUT 33KM | | |
| EUR | EP | 05 04 53.0 |
| JUN 9 | | |
| TUC | E(P) | 05 24 42.2 |
| JUN 9 | | |
| TUC | E(P) | 05 49 06.2 |
| | E(L) | 49 27.3 |
| JUN 9 | | |
| UKI | E(P) | 06 18 25.4 |
| JUN 9 | | |
| EUR | EP' | 06 40 28.0 |
| | E | 40 39.0 |
| COL | EP' | 06 41 41.0 |
| | I | 41 50.0 |
| JUN 9 | | |
| H-08 04 30.5 | | |
| 25.8S 070.5W | | |
| h ABOUT 58KM | | |
| TUC | E(P) | 08 15 33.5 |
| ALQ | IP | 08 15 34.8 |
| EUR | IP | 08 16 23.7 |
| HHM | EP | 08 16 53.7 |
| | E*P | 17 10.3 |
| JUN 9 | | |
| H-08 34 14.4 | | |
| 51.0N 178.7E | | |
| h ABOUT 33KM | | |
| COL | EP | 08 39 08.4 |
| EUR | IP | 08 42 37.2 |
| JUN 9 | | |
| BHP | IP | 10 21 08.0 |
| | IS | 21 58.0 |
| JUN 9 | | |
| TUC | E(P) | 10 27 30.7 |
| JUN 9 | | |
| H-12 31 23.7 | | |
| 51.5N 174.6E | | |
| h ABOUT 33KM | | |
| COL | EP | 12 36 32.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR IP | 12 40 04.8 |
| JUN 9 | |
| H-13 26 52.4 | |
| 52.6N 173.3E | |
| h ABOUT 25KM | |
| COL IP | 13 31 58.9 |
| HHM EP | 13 35 05.3 |
| E | 35 12.8 |
| EPCP | 36 47.3 |
| EUR EP | 13 35 37.7 |
| I | 35 46.7 |
| BCN E | 13 36 08.5 |
| RCD IP D | 13 36 11.0 |
| E | 36 19.0 |
| TUC E(P) | 13 36 34.8 |
| JUN 9 | |
| KIP E(P) | 14 14 01.9 |
| JUN 9 | |
| H-15 54 52.4 | |
| 31.9S 179.5W | |
| h ABOUT 168KM | |
| TUC EP | 16 07 40.4 |
| EUR IP | 16 07 44.8 |
| COL E(P) | 16 08 16.5 |
| JUN 9 | |
| H-16 58 44.8 | |
| 19.2S 175.6W | |
| h ABOUT 238KM | |
| EUR EP | 17 10 32.2 |
| EPP | 11 29.2 |
| ALQ EP | 17 10 54.5 |
| COL IP | 17 11 00.5 |
| IPP | 11 57.5 |
| JUN 9 | |
| COL E(P) | 18 13 34.5 |
| JUN 9 | |
| H-19 04 55.5 | |
| 8.6S 127.4E | |
| h ABOUT 33KM | |
| HHM EP' | 19 23 36.7 |
| EUR IP' | 19 23 39.1 |
| EPP | 24 41.0 |
| TUC EP' | 19 23 49.0 |
| ALQ IP' | 19 23 55.0 |
| TUC E(P) | 21 11 15.0 |
| JUN 9 | |
| TUC EP | 21 16 48.2 |
| EL | 17 24.0 |
| JUN 9 | |
| TUC E(P) | 22 26 30.6 |
| JUN 9 | |
| TUC E(P) | 22 38 47.6 |
| JUN 9 | |
| H-22 44 16.7 | |
| 23.9S 176.3W | |
| h ABOUT 45KM | |
| COL EP | 22 57 20.3 |
| JUN 10 | |
| TUC E(P) | 01 27 05.5 |
| JUN 10 | |
| H-04 35 40.0 | |
| 18.2S 174.7W | |
| h ABOUT 131KM | |
| TUC E(P) | 04 47 32.0 |
| COL IP | 04 48 02.7 |
| IPP | 48 37.0 |
| JUN 10 | |
| H-05 48 57.1 | |
| 36.1N 070.5E | |
| h ABOUT 92KM | |
| COL IP | 06 00 29.8 |
| IPP | 00 53.8 |
| HHM EP | 06 02 17.4 |
| E | 02 38.9 |
| TUC EP' | 06 07 13.3 |
| JUN 10 | |
| TUC E(P) | 06 18 24.5 |
| JUN 10 | |
| H-06 23 05.3 | |
| 63.5N 144.0W | |
| h ABOUT 35KM | |
| COL IP | 06 23 39.5 |
| RCD IP D | 06 29 14.5 |
| TUC EP | 06 30 17.5 |
| JUN 10 | |
| COL IP | 07 01 38.8 |
| JUN 10 | |
| COL IP | 10 08 14.5 |
| JUN 10 | |
| COL EP | 10 55 12.0 |
| JUN 10 | |
| COL EP | 11 38 50.0 |
| JUN 10 | |
| H-12 30 27.9 | |
| 10.9S 164.6E | |
| h ABOUT 21KM | |
| COL EP | 12 42 57.4 |
| JUN 10 | |
| GUA E(P) | 12 45 16.0 |
| JUN 10 | |
| H-14 04 53.1 | |
| 36.4N 070.5E | |
| h ABOUT 207KM | |
| COL IP | 14 16 10.5 |
| JUN 10 | |
| BCN E(P) | 14 34 11.0 |
| EL | 34 55.0 |
| JUN 10 | |
| H-15 16 47.7 | |
| 01.8N 126.5E | |
| h ABOUT 77KM | |
| GUA E(P) | 15 21 31.2 |
| JUN 10 | |
| H-15 24 17.9 | |
| 36.5N 026.7E | |
| h ABOUT 151KM | |
| RCD E(P) | 15 36 51.0 |
| JUN 10 | |
| COL IP | 15 27 01.5 |
| JUN 10 | |
| COL IP | 16 47 13.2 |
| JUN 10 | |
| FGU E(P) | 20 23 01.0 |
| JUN 10 | |
| H-20 33 59.7 | |
| 46.3N 027.6W | |
| h ABOUT 36KM | |
| HHM EP | 20 43 32.4 |
| COL E(P) | 20 43 59.4 |
| JUN 10 | |
| SJG EP | 20 39 40.2 |
| JUN 10 | |
| EUR E(P) | 20 41 33.2 |
| JUN 10 | |
| COL IP | 20 49 08.3 |
| JUN 10 | |
| H-20 53 41.5 | |
| 18.9N 070.1W | |
| h ABOUT 63KM | |
| HHM E(P) | 21 02 00.0 |
| COL EP | 21 04 36.0 |
| JUN 10 | |
| H-21 45 58.0 | |
| 51.1N 178.1E | |
| h ABOUT 033KM | |
| COL E(P) | 21 50 54.5 |
| EUR EP | 21 54 23.1 |
| JUN 10 | |
| COL IP | 22 40 40.2 |
| JUN 10 | |
| EUR IP | 23 05 31.3 |
| JUN 10 | |
| H-23 14 26.7 | |
| 51.4N 178.8W | |
| h ABOUT 42KM | |
| COL IP | 23 19 08.9 |
| HHM EP | 23 22 04.5 |
| E | 24 15.4 |
| EUR IP | 23 22 35.6 |
| BCN FP | 23 22 58.4 |
| E | 23 07.0 |
| FGU E(P) | 23 23 01.0 |
| TUC EP | 23 23 35.0 |
| ALQ IP | 23 23 41.6 |
| JUN 10 | |
| COL EP | 23 21 56.0 |
| JUN 11 | |
| BOZ EP | 01 17 26.0 |
| JUN 11 | |
| KIP EP | 01 29 49.8 |
| JUN 11 | |
| H-01 34 22.6 | |
| 34.8S 107.3W | |
| h ABOUT 31KM | |
| TUC EP | 01 45 12.5 |
| ALQ E(P) | 01 45 29.5 |
| BCN EP | 01 45 37.5 |
| EUR IP | 01 45 59.2 |
| FGU E(P) | 01 46 05.0 |
| BOZ IP | 01 46 32.5 |
| I | 46 41.0 |
| HHM EP | 01 46 46.4 |
| JUN 11 | |
| H-02 37 35.3 | |
| 51.9N 174.2E | |
| h ABOUT 35KM | |
| BRW IP | 02 42 41.5 |
| COL IP | 02 42 41.8 |
| KIP IP | 02 44 46.9 |
| IPP | 44 56.8 |
| HHM EP C | 02 45 44.4 |
| EPP | 45 55.4 |
| E | 47 38.4 |
| E | 47 55.4 |
| UKI E(P) | 02 45 55.7 |
| BOZ IP C | 02 46 07.8 |
| IPP | 46 18.7 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| EUR | IP C | 02 46 17.2 |
| | I>P | 46 27.6 |
| | ISCP | 51 36.5 |
| SLC | EP | 02 46 29.5 |
| FGU | EP | 02 46 39.5 |
| BCN | EP | 02 46 40.0 |
| | I>P | 46 50.0 |
| RCD | EP D | 02 46 51.0 |
| | E>P | 47 02.0 |
| TUC | EP | 02 47 15.7 |
| | E>P | 47 25.5 |
| ALQ | IP | 02 47 21.5 |
| WSC | E(P) | 02 48 45.9 |
| | E | 51 22.2 |
| CSC | EP | 02 48 59.5 |
| | E>P | 49 10.0 |
| | E | 49 16.5 |
| JUN 11 | | |
| COL | IP | 02 47 41.9 |
| JUN 11 | | |
| H-03 14 36.5 | | |
| 51.6N 173.9E | | |
| h ABOUT 33KM | | |
| COL | EP | 03 19 45.0 |
| BOZ | EP | 03 23 11.5 |
| EUR | EP | 03 23 20.4 |
| JUN 11 | | |
| H-03 20 48.5 | | |
| 17.1S 174.0W | | |
| h ABOUT 95KM | | |
| EUR | EP | 03 32 40.0 |
| COL | IP | 03 33 09.0 |
| JUN 11 | | |
| KIP | E(P) | 03 24 29.9 |
| JUN 11 | | |
| H-03 33 45.8 | | |
| 44.7N 148.9E | | |
| h ABOUT 50KM | | |
| BRW | IP | 03 40 52.2 |
| COL | IP | 03 41 13.3 |
| | IS | 47 14.0 |
| SIT | E(P) | 03 42 14.5 |
| | ES | 49 08.0 |
| HON | EP | 03 42 30.0 |
| | EPP | 44 20.0 |
| | ES | 49 41.0 |
| | EL | 53 16.0 |
| KIP | EP | 03 42 30.1 |
| | I | 42 41.7 |
| | EPP | 44 39.3 |
| | ES | 49 36.0 |
| | EL | 52 52.0 |
| HHM | IP C | 03 44 04.6 |
| | I | 44 18.9 |
| | IS | 52 28.4 |
| | EP'P' | 04 13 12.4 |
| UKI | E(P) | 03 44 08.0 |
| BUT | EP | 03 44 19.3 |
| BOZ | IP C | 03 44 25.0 |
| | I | 44 42.0 |
| | IS | 53 06.0 |
| EUR | IP C | 03 44 33.7 |
| SLC | EP | 03 44 43.2 |
| | I | 44 45.1 |
| | ES | 53 46.1 |
| BCN | EP | 03 44 51.4 |
| | P'P' | 13 10.5 |
| FGU | EP | 03 44 51.7 |
| | I | 44 53.6 |
| RCD | EP C | 03 44 58.5 |
| | E | 45 16.0 |
| TUC | IP C | 03 45 20.5 |
| | ES | 54 56.0 |
| ALQ | IP | 03 45 25.6 |
| | IS | 55 05.4 |
| WAS | EP | 03 46 26.0 |
| | E | 46 59.0 |
| WSC | EP | 03 46 26.4 |
| PHI | EP | 03 46 28.2 |
| | IS | 57 00.0 |
| CSC | EP | 03 46 38.0 |
| | E | 46 53.5 |
| | ES | 57 00.0 |
| JUN 11 | | |
| H-03 41 02.3 | | |
| 44.5N 149.0E | | |
| h ABOUT 033KM | | |
| COL | I(P) | 03 48 31.8 |
| | E | 48 40.3 |
| BOZ | IP | 03 51 44.8 |
| | I | 51 55.0 |
| EUR | IP | 03 51 52.5 |
| BCN | EP | 03 52 10.5 |
| | E | 52 23.7 |
| JUN 11 | | |
| H-03 44 30.7 | | |
| 44.2N 149.5E | | |
| h ABOUT 033KM | | |
| COL | E(P) | 03 52 05.8 |
| | E | 52 11.7 |
| BOZ | IP | 03 55 13.0 |
| | I | 55 22.0 |
| JUN 11 | | |
| H-03 46 50.2 | | |
| 44.3N 149.5E | | |
| h ABOUT 33KM | | |
| BCN | E(P) | 03 57 53.5 |
| JUN 11 | | |
| H-03 52 55.3 | | |
| H03 52 55.3 | | |
| 44.4N 149.5E | | |
| h ABOUT 033KM | | |
| COL | IP | 04 00 25.6 |
| BCN | EP | 04 04 02.4 |
| | E | 04 10.4 |
| | I | 04 19.5 |
| RCD | E(P) | 04 04 10.0 |
| JUN 11 | | |
| H-04 00 44.8 | | |
| 44.3N 149.2E | | |
| h ABOUT 033KM | | |
| COL | IP | 04 08 16.5 |
| HHM | EP | 04 11 07.4 |
| JUN 11 | | |
| H-04 03 14.8 | | |
| 44.4N 149.1E | | |
| h ABOUT 33KM | | |
| COL | IP | 04 10 46.9 |
| JUN 11 | | |
| H-04 14 49.6 | | |
| 44.3N 149.1E | | |
| h ABOUT 32KM | | |
| COL | IP | 04 22 21.4 |
| HHM | EP C | 04 25 13.6 |
| | E | 25 26.4 |
| EUR | E(P) | 04 25 41.0 |
| BCN | EP | 04 25 59.7 |
| | E | 26 12.6 |
| RCD | EP | 04 26 06.0 |
| | E | 26 22.0 |
| TUC | EP | 04 26 28.9 |
| JUN 11 | | |
| KIP | EP | 04 35 44.4 |
| JUN 11 | | |
| KIP | EP | 04 41 56.5 |
| JUN 11 | | |
| COL | IP | 04 46 48.8 |
| JUN 11 | | |
| H-04 44 56.9 | | |
| 44.7N 149.6E | | |
| h ABOUT 56KM | | |
| BRW | I(P) | 04 52 01.5 |
| COL | IP | 04 52 22.1 |
| HHM | EP C | 04 55 13.9 |
| | E | 55 25.9 |
| BOZ | IP | 04 55 33.0 |
| EUR | IP | 04 55 42.4 |
| BCN | EP | 04 56 00.0 |
| | E | 56 13.6 |
| RCD | EP | 04 56 07.0 |
| TUC | EP | 04 56 30.0 |
| | E | 56 38.2 |
| ALQ | IP | 04 56 34.4 |
| JUN 11 | | |
| H-04 57 55.0 | | |
| 44.4N 149.7E | | |
| h ABOUT 33KM | | |
| COL | EP | 05 05 24.0 |
| BOZ | EP | 05 08 35.0 |
| EUR | E(P) | 05 08 44.0 |
| JUN 11 | | |
| H-04 59 36.6 | | |
| 44.6N 149.5E | | |
| h ABOUT 33KM | | |
| COL | EP | 05 07 06.0 |
| BOZ | EP | 05 10 17.0 |
| | I | 10 32.0 |
| EUR | E(P) | 05 10 25.6 |
| JUN 11 | | |
| HHM | E(P) | 05 08 00.0 |
| | E | 08 16.0 |
| JUN 11 | | |
| COL | EP | 05 15 09.0 |
| BOZ | E(P) | 05 18 29.0 |
| | E | 18 34.5 |
| JUN 11 | | |
| H-05 20 25.6 | | |
| 44.4N 149.2E | | |
| h ABOUT 33KM | | |
| BOZ | EP | 05 31 07.0 |
| | E | 31 21.5 |
| EUR | EP | 05 31 16.0 |
| JUN 11 | | |
| BOZ | EP | 05 22 48.0 |
| JUN 11 | | |
| COL | IP | 05 24 24.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 11 | |
| H-05 26 46.7 | |
| 44.3N 149.8E | |
| h ABOUT 8KM | |
| BOZ EP | 05 37 31.2 |
| E | 37 46.0 |
| JUN 11 | |
| HHM EP | 05 27 27.0 |
| E | 27 38.6 |
| BOZ IP | 05 27 51.5 |
| I | 28 02.5 |
| EUR IP | 05 28 12.4 |
| JUN 11 | |
| BOZ EP | 05 36 43.2 |
| E | 36 58.0 |
| JUN 11 | |
| H-05 44 58.1 | |
| 44.2N 149.6E | |
| h ABOUT 31KM | |
| COL EP | 05 52 28.0 |
| BOZ EP | 05 55 39.9 |
| E | 55 53.5 |
| EUR EP | 05 55 48.2 |
| JUN 11 | |
| H-05 57 05.7 | |
| 44.1N 149.6E | |
| h ABOUT 15KM | |
| BRW EP | 06 04 19.0 |
| COL IP | 06 04 39.2 |
| HHM EP | 06 07 29.6 |
| E | 07 41.4 |
| BOZ IP | 06 07 50.0 |
| EUR IP | 06 07 58.4 |
| BCN EP | 06 08 16.5 |
| E | 08 30.0 |
| TUC EP | 06 08 46.0 |
| ALQ IP | 06 08 50.2 |
| JUN 11 | |
| H-06 04 22.1 | |
| 44.1N 149.2E | |
| h ABOUT 31KM | |
| COL EP | 06 11 58.0 |
| BOZ EP | 06 15 05.8 |
| EUR EP | 06 15 14.3 |
| JUN 11 | |
| BOZ EP | 06 20 25.5 |
| JUN 11 | |
| BOZ EP | 06 22 18.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 11 | |
| BOZ EP | 06 37 37.5 |
| E | 37 51.8 |
| JUN 11 | |
| COL EP | 06 49 02.0 |
| BOZ EP | 06 52 11.0 |
| JUN 11 | |
| BOZ EP | 06 50 35.5 |
| JUN 11 | |
| COL EP | 06 50 14.0 |
| JUN 11 | |
| H-06 48 09.3 | |
| 44.7N 149.3E | |
| h ABOUT 033KM | |
| BOZ EP | 06 58 49.0 |
| JUN 11 | |
| TUC E(P) | 07 01 05.7 |
| E | 01 46.9 |
| JUN 11 | |
| H-07 11 05.2 | |
| 44.4N 149.2E | |
| h ABOUT 42KM | |
| BRW EP | 07 18 14.3 |
| I | 18 19.9 |
| COL IP | 07 18 35.0 |
| BUT E(P) | 07 21 40.3 |
| BOZ IP D | 07 21 45.5 |
| I | 22 00.0 |
| E | 22 08.0 |
| EUR IP | 07 21 54.4 |
| FGU E(P) | 07 22 12.5 |
| BCN EP | 07 22 12.7 |
| RCD EP | 07 22 19.5 |
| E | 22 34.0 |
| TUC EP | 07 22 41.9 |
| E | 22 48.5 |
| ALQ IP | 07 22 46.8 |
| JUN 11 | |
| H-07 27 44.0 | |
| 44.3N 149.5E | |
| h ABOUT 35KM | |
| BRW IP | 07 34 54.6 |
| I | 35 11.0 |
| E | 37 28.3 |
| COL IP | 07 35 14.3 |
| HHM EP | 07 38 04.9 |
| E | 38 21.6 |
| EUR IP | 07 38 33.3 |
| BCN EP | 07 38 51.0 |
| E | 39 05.3 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| RCD EP | 07 38 59.0 |
| E | 39 09.5 |
| E | 39 15.0 |
| ALQ I(P) | 07 39 20.5 |
| JUN 11 | |
| TUC E(P) | 07 37 07.3 |
| JUN 11 | |
| BOZ EP | 07 46 09.2 |
| JUN 11 | |
| COL E(P) | 07 56 42.8 |
| JUN 11 | |
| COL EP | 08 00 04.0 |
| BOZ EP | 08 03 09.0 |
| JUN 11 | |
| H-08 16 27.2 | |
| 44.4N 149.5E | |
| h ABOUT 33KM | |
| COL EP | 08 23 57.0 |
| BOZ EP | 08 27 08.0 |
| EUR EP | 08 27 16.5 |
| JUN 11 | |
| BOZ FP | 08 19 16.0 |
| JUN 11 | |
| H-08 32 55.4 | |
| 44.0N 149.2E | |
| h ABOUT 33KM | |
| COL EP | 08 40 30.0 |
| BOZ EP | 08 43 38.5 |
| EUR E(P) | 08 43 46.6 |
| JUN 11 | |
| H-08 40 59.6 | |
| 44.3N 149.2E | |
| h ABOUT 37KM | |
| BRW IP | 08 48 10.9 |
| I | 48 18.5 |
| I | 48 34.8 |
| COL EP | 08 48 30.0 |
| HHM FP | 08 51 21.6 |
| E | 51 31.4 |
| BOZ IP | 08 51 41.0 |
| EUR IP | 08 51 50.2 |
| BCN EP | 08 52 08.5 |
| E | 52 24.7 |
| RCD EP | 08 52 14.0 |
| E | 52 30.0 |
| TUC E(P) | 08 52 37.3 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 11 | |
| H-08 53 26.1 | |
| 17.6S 070.3W | |
| h ABOUT 056KM | |
| EUR EP | 09 04 49.7 |
| JUN 11 | |
| H-08 56 44.8 | |
| 44.0N 149.2E | |
| h ABOUT 22KM | |
| BRW E(P) | 09 03 59.7 |
| COL IP | 09 04 19.3 |
| EUR IP | 09 07 38.5 |
| BCN EP | 09 07 56.5 |
| JUN 11 | |
| H-09 07 55.7 | |
| 44.0N 149.8E | |
| h ABOUT 33KM | |
| COL FP | 09 15 26.0 |
| BOZ IP | 09 18 37.6 |
| EUR E(P) | 09 18 45.1 |
| I | 19 03.1 |
| JUN 11 | |
| H-09 59 31.4 | |
| 44.0N 149.0E | |
| h ABOUT 32KM | |
| BRW E(P) | 10 06 47.0 |
| COL IP | 10 07 05.2 |
| HHM E(P) | 10 09 52.4 |
| E | 10 09.4 |
| BOZ EP | 10 10 15.2 |
| E | 10 27.5 |
| EUR IP | 10 10 24.2 |
| BCN EP | 10 10 42.5 |
| E | 10 54.3 |
| TUC E(P) | 10 11 10.6 |
| ALQ EP | 10 11 16.4 |
| JUN 11 | |
| H-10 05 14.9 | |
| 44.9N 149.4E | |
| h ABOUT 033KM | |
| COL FP | 10 12 42.2 |
| BOZ EP | 10 15 52.5 |
| EUR EP | 10 16 02.4 |
| JUN 11 | |
| H-10 16 39.2 | |
| 44.4N 149.4E | |
| h ABOUT 39KM | |
| BRW IP | 10 23 48.3 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL IP | 10 24 08.8 |
| HHM EP | 10 27 04.9 |
| BOZ EP | 10 27 19.7 |
| I | 27 25.0 |
| EUR IP | 10 27 28.5 |
| BCN EP | 10 27 47.0 |
| RCD EP | 10 27 56.0 |
| TUC E(P) | 10 28 16.0 |
| ALQ IP | 10 28 20.8 |
| E | 31 30.0 |
| JUN 11 | |
| H-10 19 49.0 | |
| 44.4N 149.5E | |
| h ABOUT 43KM | |
| BRW EP | 10 26 56.7 |
| I | 28 55.9 |
| COL E(P) | 10 27 18.0 |
| I | 27 25.7 |
| HHM EP | 10 30 07.9 |
| E | 30 24.4 |
| BOZ EP | 10 30 28.5 |
| EUR IP | 10 30 37.8 |
| BCN EP | 10 30 55.0 |
| TUC E(P) | 10 31 21.5 |
| JUN 11 | |
| H-10 21 38.1 | |
| 44.4N 149.6E | |
| h ABOUT 33KM | |
| BOZ EP | 10 32 18.5 |
| E | 32 30.0 |
| BCN EP | 10 32 45.0 |
| JUN 11 | |
| BOZ EP | 10 25 26.0 |
| E | 25 40.0 |
| JUN 11 | |
| H-10 41 09.2 | |
| 44.2N 149.6E | |
| h ABOUT 37KM | |
| BRW IP | 10 48 20.7 |
| I | 48 33.2 |
| COL EP | 10 48 39.0 |
| HHM EP | 10 51 30.0 |
| E | 51 46.7 |
| BOZ EP | 10 51 49.2 |
| I | 52 07.0 |
| I | 52 17.0 |
| EUR IP | 10 51 58.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BCN EP | 10 52 16.8 |
| E | 52 34.5 |
| RCD E(P) | 10 52 19.0 |
| E | 52 40.5 |
| TUC E(P) | 10 52 45.5 |
| ALQ EP | 10 52 50.0 |
| JUN 11 | |
| COL EP | 10 54 55.5 |
| BOZ E(P) | 10 58 12.0 |
| JUN 11 | |
| BOZ E(P) | 11 02 20.0 |
| E | 02 26.5 |
| JUN 11 | |
| H-11 06 38.5 | |
| 44.4N 149.0E | |
| h ABOUT 33KM | |
| COL IP | 11 14 10.5 |
| BOZ EP | 11 17 20.6 |
| E | 17 35.0 |
| EUR EP | 11 17 29.8 |
| I | 17 44.3 |
| JUN 11 | |
| BOZ EP | 11 07 30.0 |
| E | 07 46.5 |
| JUN 11 | |
| COL EP | 11 55 44.0 |
| BOZ EP | 11 58 55.5 |
| JUN 11 | |
| H-11 59 59.4 | |
| 44.4N 149.2E | |
| h ABOUT 17KM | |
| BRW IP | 12 07 14.2 |
| COL IP | 12 07 34.0 |
| HHM EP | 12 10 23.4 |
| E | 10 37.4 |
| BOZ EP | 12 10 43.0 |
| I | 10 54.0 |
| EUR IP | 12 10 52.3 |
| SLC E(P) | 12 11 03.4 |
| BCN EP | 12 11 09.5 |
| TUC E(P) | 12 11 39.6 |
| E | 11 45.5 |
| ALQ IP | 12 11 44.2 |
| JUN 11 | |
| COL E(P) | 12 05 18.0 |
| BOZ E(P) | 12 10 28.0 |
| JUN 11 | |
| COL EP | 12 15 20.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BOZ EP | 12 18 31.5 |
| JUN 11 | |
| COL EP | 12 27 39.0 |
| E | 33 43.0 |
| BOZ EP | 12 30 49.5 |
| E | 31 05.0 |
| JUN 11 | |
| BOZ EP | 12 36 55.0 |
| JUN 11 | |
| H-12 37 22.4 | |
| 44.4N 149.1E | |
| h ABOUT 42KM | |
| COL IP | 12 44 53.8 |
| HHM E(P) | 12 47 43.9 |
| BOZ EP | 12 48 03.5 |
| E | 48 16.0 |
| EUR EP | 12 48 12.4 |
| BCN EP | 12 48 30.0 |
| E | 48 44.0 |
| TUC E(P) | 12 49 00.2 |
| JUN 11 | |
| BOZ E(P) | 12 38 23.0 |
| JUN 11 | |
| H-12 45 36.1 | |
| 44.5N 149.0E | |
| h ABOUT 33KM | |
| COL EP | 12 53 07.0 |
| BOZ E(P) | 12 56 13.5 |
| E | 56 18.5 |
| EUR EP | 12 56 26.5 |
| JUN 11 | |
| H-12 46 55.0 | |
| 46.5N 149.8E | |
| h ABOUT 33KM | |
| BRW E(P) | 12 53 52.5 |
| COL I(P) | 12 54 13.0 |
| HHM IP | 12 57 06.4 |
| BOZ IP | 12 57 26.7 |
| EUR IP | 12 57 36.0 |
| BCN EP | 12 57 54.6 |
| TUC EP | 12 58 24.0 |
| ALQ IP | 12 58 28.5 |
| JUN 11 | |
| BOZ IP | 12 59 22.0 |
| E | 59 31.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 11 | |
| H-12 54 23.5 | |
| 44.1N 150.2E | |
| h ABOUT 033KM | |
| COL EP | 13 01 53.0 |
| BOZ E(P) | 13 05 02.0 |
| E | 05 17.2 |
| JUN 11 | |
| EUR EP | 13 05 28.3 |
| JUN 11 | |
| COL EP | 13 24 51.0 |
| JUN 11 | |
| COL EP | 13 27 48.0 |
| HHM E(P) | 13 32 43.0 |
| E | 33 09.3 |
| JUN 11 | |
| COL EP | 13 36 37.0 |
| JUN 11 | |
| H-13 44 06.5 | |
| 44.4N 149.2E | |
| h ABOUT 33KM | |
| COL EP | 13 51 38.2 |
| BOZ EP | 13 54 49.0 |
| E | 55 03.0 |
| EUR IP | 13 54 56.7 |
| JUN 11 | |
| H-14 28 55.9 | |
| 44.6N 149.0E | |
| h ABOUT 33KM | |
| COL EP | 14 36 27.0 |
| BOZ EP | 14 39 37.5 |
| EUR IP | 14 39 46.2 |
| JUN 11 | |
| H-14 32 10.1 | |
| 49.5N 155.7E | |
| h ABOUT 033KM | |
| COL IP | 14 38 44.0 |
| BOZ EP | 14 42 07.5 |
| E | 42 24.0 |
| EUR IP | 14 42 18.3 |
| JUN 11 | |
| COL EP | 14 44 07.0 |
| BOZ EP | 14 47 19.0 |
| EUR EP | 14 47 34.8 |
| JUN 11 | |
| COL EP | 15 22 21.0 |
| BOZ EP | 15 25 31.5 |
| E | 25 46.5 |
| EUR E(P) | 15 25 39.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 11 | |
| EUR E(P) | 15 23 31.9 |
| JUN 11 | |
| H-15 39 32.9 | |
| 44.1N 149.2E | |
| h ABOUT 39KM | |
| COL IP | 15 47 04.5 |
| BOZ EP | 15 50 15.0 |
| E | 50 31.0 |
| EUR IP | 15 50 24.3 |
| BCN EP | 15 50 42.5 |
| E | 50 57.5 |
| TUC EP | 15 51 11.5 |
| ALQ EP | 15 51 16.4 |
| JUN 11 | |
| COL EP | 15 50 30.0 |
| JUN 11 | |
| BOZ E(P) | 15 59 02.0 |
| JUN 11 | |
| BOZ E(P) | 16 07 46.5 |
| JUN 11 | |
| BOZ EP | 16 10 40.0 |
| E | 10 50.0 |
| JUN 11 | |
| JUN 11 | |
| H-16 09 03.4 | |
| 44.5N 149.2E | |
| h ABOUT 033KM | |
| COL IP | 16 16 34.0 |
| HHM EP | 16 19 24.8 |
| E | 19 39.1 |
| BOZ EP | 16 19 45.0 |
| I | 19 58.2 |
| EUR IP | 16 19 53.0 |
| TUC E(P) | 16 20 41.3 |
| JUN 11 | |
| H-16 21 17.0 | |
| 51.8N 176.4E | |
| h ABOUT 33KM | |
| COL EP | 16 26 15.0 |
| EUR IP | 16 29 48.3 |
| TUC E(P) | 16 30 47.7 |
| JUN 11 | |
| EUR IP | 16 23 19.1 |
| BOZ EP | 16 23 32.0 |
| E | 24 29.0 |
| JUN 11 | |
| BOZ EP | 16 39 38.0 |
| E | 39 52.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL EP | 16 42 07.0 |
| JUN 11 | |
| BOZ IP | 16 43 44.5 |
| I | 43 47.5 |
| I | 43 52.5 |
| JUN 11 | |
| KIP E(P) | 17 06 24.6 |
| JUN 11 | |
| H-17 12 11.5 | |
| 44.3N 149.1E | |
| h ABOUT 54KM | |
| COL EP | 17 19 40.0 |
| BOZ EP | 17 22 51.2 |
| EUR EP | 17 22 59.8 |
| BCN EP | 17 23 19.5 |
| JUN 11 | |
| COL IP | 17 40 45.5 |
| BOZ E(P) | 17 46 16.0 |
| JUN 11 | |
| COL EP | 17 42 42.0 |
| JUN 11 | |
| H-18 06 02.9 | |
| 44.6N 149.3E | |
| h ABOUT 33KM | |
| COL EP | 18 13 32.0 |
| BOZ EP | 18 16 42.6 |
| EUR EP | 18 16 52.0 |
| JUN 11 | |
| COL EP | 18 09 11.0 |
| BOZ EP | 18 12 19.5 |
| JUN 11 | |
| COL EP | 18 24 02.0 |
| JUN 11 | |
| H-18 29 44.0 | |
| 44.3N 149.3E | |
| h ABOUT 33KM | |
| COL EP | 18 37 18.0 |
| BOZ EP | 18 40 25.2 |
| I | 40 42.2 |
| EUR E(P) | 18 40 35.2 |
| JUN 11 | |
| COL IP | 18 32 22.3 |
| JUN 11 | |
| BOZ EP | 19 12 27.0 |
| E | 12 44.0 |
| JUN 11 | |
| H-19 45 00.0 | |
| 37.0N 116.0W | |
| h ABOUT 000KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BCN IP C | 19 45 26.9 |
| EUR IP C | 19 45 41.7 |
| TUC E(P) | 19 46 36.0 |
| BOZ E(P) | 19 47 25.0 |
| JUN 11 | |
| BCN EP | 19 49 14.5 |
| JUN 11 | |
| FGU EP | 20 08 08.0 |
| ES | 08 34.0 |
| EUR EP | 20 08 36.6 |
| JUN 11 | |
| BCN EP | 20 41 32.8 |
| IL | 41 53.5 |
| EUR EP | 20 41 45.3 |
| JUN 11 | |
| H-20 44 20.9 | |
| 44.3N 149.1E | |
| h ABOUT 39KM | |
| COL IP | 20 51 52.4 |
| BOZ EP | 20 55 03.2 |
| I | 55 15.0 |
| EUR IP | 20 55 11.4 |
| JUN 11 | |
| COL EP | 20 57 31.1 |
| JUN 11 | |
| COL EP | 20 59 35.5 |
| BOZ EP | 21 00 41.5 |
| E | 00 56.0 |
| JUN 11 | |
| BOZ EP | 21 02 44.5 |
| E | 02 57.5 |
| JUN 11 | |
| TUC E(P) | 21 10 00.1 |
| JUN 11 | |
| ALQ EP | 21 24 32.5 |
| JUN 11 | |
| EUR IP | 21 58 46.3 |
| JUN 11 | |
| GUA E(P) | 22 33 30.6 |
| ES | 33 52.4 |
| JUN 11 | |
| EUR EP | 22 39 53.5 |
| COL EP | 22 43 41.0 |
| I | 44 02.5 |
| JUN 11 | |
| H-22 52 27.7 | |
| 44.2N 149.5E | |
| h ABOUT 33KM | |
| COL E(P) | 22 59 59.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BOZ EP | 23 03 09.0 |
| EUR E(P) | 23 03 17.5 |
| JUN 11 | |
| BOZ EP | 23 12 19.5 |
| JUN 12 | |
| H-00 20 59.7 | |
| 44.5N 149.0E | |
| h ABOUT 52KM | |
| COL EP | 00 28 28.8 |
| HHM EP | 00 31 20.3 |
| E | 31 31.8 |
| BOZ EP | 00 31 39.6 |
| I | 31 52.5 |
| EUR IP | 00 31 48.4 |
| BCN EP | 00 32 06.5 |
| E | 32 19.5 |
| TUC E(P) | 00 32 35.0 |
| E | 32 42.8 |
| ALQ IP | 00 32 40.5 |
| E | 32 53.5 |
| JUN 12 | |
| BOZ EP | 01 04 27.5 |
| JUN 12 | |
| H-02 03 06.1 | |
| 44.7N 149.2E | |
| h ABOUT 33KM | |
| COL EP | 02 10 36.3 |
| BOZ EP | 02 13 46.7 |
| I | 14 00.0 |
| EUR IP | 02 13 55.3 |
| TUC EP | 02 14 43.0 |
| JUN 12 | |
| H-02 44 39.7 | |
| 10.8S 166.1E | |
| h ABOUT 133KM | |
| COL EP | 02 56 49.5 |
| EPP | 57 23.5 |
| EUR IP C | 02 57 14.9 |
| EPP | 57 46.4 |
| EPP | 03 00 41.0 |
| BCN EP | 02 57 15.0 |
| TUC EP | 02 57 26.3 |
| HHM EP | 02 57 31.2 |
| BOZ IP | 02 57 36.6 |
| JUN 12 | |
| H-03 09 44.5 | |
| 44.1N 149.2E | |
| h ABOUT 25KM | |
| COL E(P) | 03 17 18.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| HHM EP | 03 20 08.8 |
| BOZ IP | 03 20 28.0 |
| I | 20 33.5 |
| I | 20 41.0 |
| EUR IP | 03 20 36.8 |
| BCN EP | 03 20 58.9 |
| E | 21 07.5 |
| TUC E(P) | 03 21 20.3 |
| ALQ EP | 03 21 28.6 |
| JUN 12 | |
| BOZ EP | 04 13 31.2 |
| E | 15 29.0 |
| JUN 12 | |
| COL E(P) | 04 32 05.0 |
| JUN 12 | |
| COL EP | 04 40 15.4 |
| E | 40 19.1 |
| JUN 12 | |
| H-05 08 47.1 | |
| 45.6N 151.4E | |
| h ABOUT 37KM | |
| COL EP | 05 16 01.7 |
| EUR E(P) | 05 19 24.0 |
| JUN 12 | |
| BOZ E(P) | 05 18 52.0 |
| JUN 11 | |
| H-05 28 26.6 | |
| 44.7N 149.5E | |
| h ABOUT 033KM | |
| COL EP | 05 35 54.3 |
| BOZ E(P) | 05 39 05.9 |
| EUR E(P) | 05 39 14.3 |
| RCD E(P) | 05 39 42.0 |
| TUC E(P) | 05 40 04.5 |
| JUN 12 | |
| H-05 28 36.5 | |
| 44.3N 149.8E | |
| h ABOUT 14KM | |
| COL EP | 05 36 07.0 |
| HHM E(P) | 05 39 02.3 |
| E | 39 15.3 |
| BOZ IP | 05 39 20.5 |
| E | 39 34.0 |
| E | 42 05.0 |
| BCN EP | 05 39 45.0 |
| TUC EP | 05 40 16.2 |
| ALQ EP | 05 40 21.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 12 | |
| H-05 40 55.9 | |
| 44.1N 149.3E | |
| h ABOUT 24KM | |
| COL EP | 05 48 30.2 |
| BUT E(P) | 05 51 35.2 |
| BOZ IP | 05 51 40.0 |
| I | 51 44.0 |
| I | 51 57.0 |
| EUR IP | 05 51 49.2 |
| SLC EP | 05 51 59.3 |
| BCN EP | 05 52 06.2 |
| I | 52 24.5 |
| RCD E(P) | 05 52 14.0 |
| TUC EP | 05 52 36.2 |
| E | 52 53.7 |
| ALQ IP | 05 52 40.8 |
| WSC EP | 05 53 41.5 |
| E | 53 57.8 |
| JUN 12 | |
| H-06 03 34.0 | |
| 44.3N 149.1E | |
| h ABOUT 39KM | |
| COL EP | 06 11 05.5 |
| HHM EP | 06 13 55.3 |
| E | 14 10.3 |
| BOZ EP | 06 14 15.5 |
| I | 14 23.0 |
| I | 14 30.5 |
| EUR IP | 06 14 24.1 |
| RCD EP | 06 14 49.0 |
| E | 15 07.0 |
| TUC E(P) | 06 15 12.7 |
| ALQ EP | 06 15 15.0 |
| JUN 12 | |
| H-06 19 23.0 | |
| 41.9N 131.9E | |
| h ABOUT 503KM | |
| COL EP | 06 27 25.0 |
| HHM EP | 06 30 02.3 |
| BOZ IP | 06 30 20.0 |
| EUR IP | 06 30 31.5 |
| FGU EP | 06 30 43.3 |
| BCN EP | 06 30 45.5 |
| TUC EP | 06 31 12.0 |
| JUN 12 | |
| BOZ EP | 06 27 52.3 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 12 | |
| H-06 46 27.1 | |
| 44.2N 149.1E | |
| h ABOUT 46KM | |
| COL EP | 06 53 58.0 |
| HHM EP | 06 56 47.8 |
| BOZ EP | 06 57 08.5 |
| I | 57 13.5 |
| I | 57 24.0 |
| EUR IP | 06 57 17.3 |
| RCD E(P) | 06 57 42.0 |
| TUC E(P) | 06 58 04.7 |
| JUN 12 | |
| H-06 51 36.5 | |
| 20.8S 173.9W | |
| h ABOUT 63KM | |
| TUC EP | 07 03 42.2 |
| BOZ EP | 07 04 17.0 |
| COL EP | 07 04 19.0 |
| JUN 12 | |
| H-06 57 02.9 | |
| 45.4N 149.4E | |
| h ABOUT 33KM | |
| BOZ EP | 07 07 40.0 |
| E | 07 52.0 |
| EUR EP | 07 07 49.5 |
| JUN 12 | |
| BOZ EP | 07 18 22.8 |
| IL | 18 34.0 |
| JUN 12 | |
| HHM E(P) | 07 23 45.0 |
| JUN 12 | |
| BOZ EP | 07 48 14.5 |
| JUN 12 | |
| H-07 51 13.7 | |
| 44.4N 149.1E | |
| h ABOUT 33KM | |
| COL EP | 07 58 44.8 |
| BOZ EP | 08 01 55.0 |
| EUR EP | 08 02 03.4 |
| JUN 12 | |
| BOZ EP | 08 00 33.5 |
| JUN 12 | |
| H-08 01 57.0 | |
| 44.2N 149.3E | |
| h ABOUT 33KM | |
| BOZ EP | 08 12 38.0 |
| EUR EP | 08 12 48.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 12 | |
| H-08 08 12.3 | |
| 44.7N 149.1E | |
| h ABOUT 33KM | |
| BOZ EP | 08 18 52.7 |
| E | 19 06.0 |
| EUR EP | 08 19 02.1 |
| JUN 12 | |
| TUC E(P) | 08 23 14.4 |
| JUN 12 | |
| BOZ EP | 09 17 35.0 |
| E | 17 48.6 |
| JUN 12 | |
| H-09 20 29.0 | |
| 44.3N 149.4E | |
| h ABOUT 33KM | |
| COL E(P) | 09 28 04.0 |
| EUR EP | 09 31 19.3 |
| JUN 12 | |
| BOZ EP | 09 30 52.0 |
| JUN 12 | |
| COL E(P) | 09 51 52.0 |
| BOZ EP | 09 54 55.0 |
| E | 55 13.5 |
| EUR EP | 09 55 04.5 |
| JUN 12 | |
| EUR EP | 10 29 57.4 |
| JUN 12 | |
| H-10 31 07.3 | |
| 20.0N 072.7W | |
| h ABOUT 33KM | |
| SJG E(P) | 10 32 42.5 |
| HHM EP | 10 39 10.3 |
| JUN 12 | |
| H-10 42 24.5 | |
| 44.9N 149.4E | |
| h ABOUT 033KM | |
| EUR EP | 10 53 12.0 |
| JUN 12 | |
| H-10 49 14.4 | |
| 18.5N 065.8W | |
| h ABOUT 108KM | |
| SJG IP | 10 49 31.4 |
| BOZ E(P) | 10 57 34.0 |
| JUN 12 | |
| H-10 59 16.9 | |
| 19.2N 064.9W | |
| h ABOUT 025KM | |
| SJG IP | 10 59 43.5 |
| SLC EP | 11 07 36.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BOZ FP | 11 07 45.6 |
| EUR EP | 11 07 58.3 |
| JUN 12 | |
| BOZ EP | 11 44 34.4 |
| IS | 44 48.6 |
| HHM E(P) | 11 45 23.0 |
| E | 45 34.3 |
| JUN 12 | |
| BOZ EP | 11 45 48.0 |
| EL | 46 04.0 |
| JUN 12 | |
| BOZ E(P) | 12 28 48.0 |
| JUN 12 | |
| BOZ EP | 12 58 50.0 |
| JUN 12 | |
| H-14 27 29.9 | |
| 19.3N 065.0W | |
| h ABOUT 33KM | |
| SJG IP | 14 27 55.4 |
| IS | 28 16.0 |
| JUN 12 | |
| BOZ EP | 14 43 02.5 |
| JUN 12 | |
| BOZ EP | 15 30 14.0 |
| JUN 12 | |
| HHM F(P) | 16 01 05.5 |
| JUN 12 | |
| H-16 13 50.4 | |
| 52.3N 172.3E | |
| h ABOUT 33KM | |
| COL EP | 16 19 00.5 |
| BOZ EP | 16 22 30.0 |
| FUR EP | 16 22 40.5 |
| JUN 12 | |
| TUC E(P) | 16 17 26.3 |
| JUN 12 | |
| H-16 35 43.8 | |
| 13.7N 091.0W | |
| h ABOUT 33KM | |
| SJG EP | 16 40 59.5 |
| ALQ IP | 16 41 10.0 |
| TUC EP | 16 41 14.0 |
| BCN EP | 16 42 00.0 |
| EUR IP | 16 42 26.2 |
| BOZ EP | 16 42 46.0 |
| COL EP | 16 46 15.8 |
| IPCP | 46 53.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 12 | |
| H-17 54 48.9 | |
| 06.0S 105.4E | |
| h ABOUT 33KM | |
| HHM EP' | 18 13 49.0 |
| BOZ EP' | 18 13 56.5 |
| EUR EP' | 18 13 57.5 |
| JUN 12 | |
| H-18 42 39.9 | |
| 44.3N 149.0E | |
| h ABOUT 51KM | |
| COL E(P) | 18 50 09.0 |
| HHM E(P) | 18 53 03.0 |
| BOZ EP D | 18 53 19.6 |
| EUR IP | 18 53 28.6 |
| TUC E(P) | 18 54 14.6 |
| JUN 12 | |
| H-18 45 43.2 | |
| 44.1N 149.3E | |
| h ABOUT 34KM | |
| COL EP | 18 53 16.2 |
| HHM F(P) | 18 56 05.0 |
| E | 56 16.3 |
| BOZ FP | 18 56 26.2 |
| I | 56 39.0 |
| EUR IP | 18 56 34.4 |
| RCD E(P) | 18 57 02.0 |
| TUC E(P) | 18 57 22.0 |
| E | 57 40.0 |
| JUN 12 | |
| H-18 50 11.7 | |
| 20.5S 069.3W | |
| h ABOUT 102KM | |
| SJG IP | 18 57 22.4 |
| WSC EP | 19 00 05.8 |
| E | 00 33.0 |
| ALQ IP | 19 00 45.4 |
| E | 01 11.0 |
| TUC EP | 19 00 48.0 |
| EpP | 01 14.2 |
| EsP | 01 26.2 |
| BCN IP | 19 01 20.4 |
| IpP | 01 45.7 |
| IsP | 01 58.7 |
| RCD IP D | 19 01 22.0 |
| E | 01 49.0 |
| FGU IP | 19 01 24.0 |
| SLC IP | 19 01 31.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| FUR IP | 19 01 38.2 |
| IpP | 02 04.3 |
| BOZ EP | 19 01 50.8 |
| I | 04 37.0 |
| BUT F(P) | 19 01 55.5 |
| HHM EP | 19 02 08.3 |
| IsP | 02 45.2 |
| GUA IP' | 19 09 42.0 |
| JUN 12 | |
| COL EP | 19 19 50.0 |
| BOZ IP | 19 23 23.4 |
| I | 23 36.0 |
| EUR IP | 19 23 31.2 |
| JUN 12 | |
| BOZ E(P) | 20 23 06.0 |
| JUN 12 | |
| H-21 08 51.2 | |
| 44.3N 148.6E | |
| h ABOUT 33KM | |
| COL EP | 21 16 27.0 |
| EUR E(P) | 21 19 43.3 |
| JUN 12 | |
| EUR IP | 21 52 54.0 |
| JUN 12 | |
| H-22 16 42.4 | |
| 44.2N 149.2E | |
| h ABOUT 16KM | |
| COL IP | 22 24 16.7 |
| HHM EP | 22 27 08.1 |
| I | 27 20.8 |
| BUT E(P) | 22 27 22.4 |
| E | 27 35.4 |
| BOZ IP | 22 27 27.5 |
| I | 27 41.0 |
| EUR IP | 22 27 36.4 |
| I | 27 50.4 |
| BCN EP | 22 27 54.5 |
| I | 28 08.6 |
| RCD EP | 22 28 02.0 |
| E | 28 15.0 |
| ALQ IP | 22 28 28.5 |
| E | 28 42.0 |
| CSC E | 22 29 57.0 |
| JUN 13 | |
| H-01 42 40.9 | |
| 39.0N 112.2W | |
| h ABOUT 033KM | |
| EUR E(P) | 01 43 28.4 |
| IL | 44 10.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BCN E(P) | 01 43 34.4 |
| EL | 44 20.7 |
| JUN 13 | |
| EUR EP | 02 01 58.0 |
| JUN 13 | |
| COL EP | 02 17 46.4 |
| JUN 13 | |
| H-02 20 49.0 | |
| 44.3N 149.3E | |
| h ABOUT 20KM | |
| COL EP | 02 28 20.0 |
| HHM EP | 02 31 13.2 |
| BOZ IP | 02 31 32.8 |
| I | 31 46.0 |
| EUR IP | 02 31 41.3 |
| BCN FP | 02 31 58.0 |
| RCD E(P) | 02 32 06.0 |
| TUC E(P) | 02 32 28.6 |
| ALQ IP | 02 32 33.5 |
| JUN 13 | |
| H-02 55 38.6 | |
| 51.7N 171.9E | |
| h ABOUT 10KM | |
| COL IP | 03 00 58.0 |
| EUR EP | 03 04 34.5 |
| EpP | 04 38.0 |
| JUN 13 | |
| BOZ E(P) | 04 04 25.0 |
| JUN 13 | |
| H-04 21 28.1 | |
| 33.6N 069.4E | |
| h ABOUT 50KM | |
| COL EP | 04 33 21.0 |
| EpP | 33 35.2 |
| JUN 13 | |
| TUC E(P) | 04 51 19.5 |
| JUN 13 | |
| COL EP | 05 45 05.0 |
| BOZ EP | 05 48 11.5 |
| JUN 13 | |
| COL EP | 06 23 13.0 |
| JUN 13 | |
| GUA EP | 07 11 28.0 |
| ES | 15 48.0 |
| JUN 13 | |
| H-07 06 13.9 | |
| 41.8N 143.5E | |
| h ABOUT 34KM | |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| COL | IP | 07 14 20.8 |
| | I | 14 32.2 |
| | I | 14 52.8 |
| | ES | 20 53.0 |
| HHM | IP | 07 17 07.0 |
| | E | 26 00.0 |
| BUT | E(P) | 07 17 18.8 |
| BOZ | IP | 07 17 25.5 |
| | I | 17 34.0 |
| | I | 18 03.0 |
| EUR | IP C | 07 17 34.4 |
| FGU | EP | 07 17 51.0 |
| BCN | EP | 07 17 52.0 |
| RCD | EP | 07 17 55.5 |
| | ES | 27 34.0 |
| TUC | EP | 07 18 19.2 |
| | E | 18 31.2 |
| | ES | 28 20.0 |
| ALQ | IP | 07 18 23.2 |
| JUN 13 | | |
| TUC | E(P) | 07 27 21.0 |
| JUN 13 | | |
| COL | E(P) | 07 28 20.0 |
| JUN 13 | | |
| EUR | EP | 07 31 39.8 |
| JUN 13 | | |
| COL | IP | 08 15 17.0 |
| EUR | IP | 08 18 35.5 |
| | I | 18 50.0 |
| JUN 13 | | |
| H-08 19 28.9 | | |
| 41.1N 070.9E | | |
| h ABOUT 49KM | | |
| COL | IP | 08 30 37.8 |
| BOZ | EP | 08 32 43.0 |
| JUN 13 | | |
| EUR | EP | 10 14 51.4 |
| JUN 13 | | |
| H-10 59 43.5 | | |
| 43.5N 139.6E | | |
| h ABOUT 158KM | | |
| COL | IP | 11 07 40.7 |
| BOZ | EP | 11 10 46.5 |
| EUR | E(P) | 11 10 57.5 |
| JUN 13 | | |
| COL | EP | 11 23 05.0 |
| JUN 13 | | |
| COL | EP | 12 40 21.5 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| JUN 13 | | |
| EUR | EP | 12 48 02.5 |
| | EL | 48 42.0 |
| JUN 13 | | |
| EUR | IP' | 14 35 40.2 |
| BCN | EP' | 14 35 51.0 |
| TUC | EP' | 14 36 00.2 |
| JUN 13 | | |
| EUR | EP | 15 42 08.9 |
| TUC | E(P) | 15 43 03.4 |
| JUN 13 | | |
| H-16 15 20.6 | | |
| 51.2N 177.7E | | |
| h ABOUT 33KM | | |
| COL | IP | 16 20 18.1 |
| EUR | IP | 16 23 47.4 |
| JUN 13 | | |
| H-17 28 45.0 | | |
| 21.0N 120.2E | | |
| h ABOUT 33KM | | |
| COL | EP | 17 40 08.0 |
| JUN 13 | | |
| H-17 57 46.2 | | |
| 44.3N 149.1E | | |
| h ABOUT 40KM | | |
| COL | IP | 18 05 17.1 |
| BOZ | IP | 18 08 27.8 |
| | I | 08 41.2 |
| EUR | IP | 18 08 36.4 |
| | IPP | 08 50.3 |
| BCN | E | 18 09 08.7 |
| TUC | E(P) | 18 09 23.6 |
| | E | 09 38.0 |
| JUN 13 | | |
| COL | EP | 18 24 28.0 |
| EUR | EP | 18 28 10.0 |
| JUN 13 | | |
| H-18 47 19.0 | | |
| 32.7S 177.7W | | |
| h ABOUT 33KM | | |
| TUC | E(P) | 19 00 19.0 |
| | E | 00 28.5 |
| EUR | EP | 19 00 24.1 |
| JUN 13 | | |
| COL | IP | 19 07 44.8 |
| JUN 13 | | |
| FGU | E(P) | 19 31 19.3 |
| JUN 13 | | |
| COL | EP | 19 38 12.0 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| JUN 13 | | |
| H-20 01 48.0 | | |
| 37.8N 029.3E | | |
| h ABOUT 16KM | | |
| COL | IP | 20 13 44.9 |
| CSC | EP | 20 14 17.0 |
| RCD | E(P) | 20 14 37.0 |
| HHM | EP | 20 14 40.0 |
| BOZ | EP | 20 14 47.0 |
| | I | 14 52.0 |
| | EPP | 18 24.0 |
| BUT | EP | 20 14 47.5 |
| EUR | IP | 20 15 20.1 |
| JUN 13 | | |
| EUR | EP | 20 46 07.3 |
| JUN 13 | | |
| TUC | E(P) | 21 30 20.5 |
| JUN 13 | | |
| COL | IP | 21 38 53.2 |
| JUN 13 | | |
| COL | EP | 21 56 51.0 |
| JUN 13 | | |
| EUR | IP | 21 57 55.2 |
| | IS | 58 11.7 |
| JUN 13 | | |
| EUR | IP | 22 00 22.4 |
| JUN 13 | | |
| TUC | EP | 22 26 42.0 |
| JUN 13 | | |
| COL | EP | 23 14 49.0 |
| JUN 14 | | |
| EUR | EP | 00 46 23.3 |
| | EL | 47 03.8 |
| JUN 14 | | |
| H-01 15 49.8 | | |
| 6.0S 151.5E | | |
| h ABOUT 32KM | | |
| GUA | EP | 01 20 27.6 |
| | E | 20 37.2 |
| COL | IP | 01 28 14.3 |
| EUR | IP | 01 29 15.1 |
| JUN 14 | | |
| EUR | EP | 01 32 25.1 |
| | IL | 32 58.6 |
| JUN 14 | | |
| COL | EP | 02 26 39.0 |
| JUN 14 | | |
| FGU | EP | 02 31 19.7 |
| JUN 14 | | |
| EUR | IP | 02 54 56.3 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| JUN 14 | | |
| TUC | E(P) | 03 58 39.0 |
| EUR | IP | 04 00 23.2 |
| | EL | 00 44.7 |
| JUN 14 | | |
| BOZ | E(P) | 04 13 06.0 |
| | EL | 13 41.0 |
| JUN 14 | | |
| BOZ | EP | 04 35 55.0 |
| | EL | 36 28.0 |
| JUN 14 | | |
| H-04 59 17.0 | | |
| 38.0N 068.8E | | |
| h ABOUT 33KM | | |
| COL | EP | 05 10 49.0 |
| JUN 14 | | |
| TUC | E(P) | 05 31 57.4 |
| JUN 14 | | |
| H-06 11 55.9 | | |
| 09.4N 138.0E | | |
| h ABOUT 59KM | | |
| GUA | E(P) | 06 13 51.2 |
| COL | EP | 06 23 31.0 |
| JUN 14 | | |
| COL | IP | 07 19 20.8 |
| JUN 14 | | |
| H-07 30 43.6 | | |
| 39.8S 045.8E | | |
| h ABOUT 33KM | | |
| RCD | EP' | 07 50 35.0 |
| COL | EP' | 07 50 38.0 |
| ALQ | EP' | 07 50 38.5 |
| TUC | EP' | 07 50 43.5 |
| EUR | IP' | 07 50 51.1 |
| BCN | EP' | 07 50 54.7 |
| JUN 14 | | |
| TUC | E(P) | 08 16 55.0 |
| JUN 14 | | |
| FGU | EP | 09 25 44.6 |
| | EL | 26 29.5 |
| RCD | E(P) | 09 25 58.2 |
| ALQ | IP | 09 26 08.2 |
| | E | 27 13.6 |
| BOZ | EP | 09 26 55.0 |
| EUR | E(P) | 09 26 56.0 |
| JUN 14 | | |
| H-09 40 05.4 | | |
| 44.6N 129.7W | | |
| h ABOUT 7KM | | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| UKI E(P) | 09 41 53.3 |
| HHM EP | 09 42 50.0 |
| EL | 46 04.0 |
| EUR EP | 09 42 52.5 |
| BUT EP | 09 43 02.0 |
| BOZ EP | 09 43 11.0 |
| E | 45 52.0 |
| EL | 46 48.0 |
| BCN EP | 09 43 30.5 |
| EL | 49 20.0 |
| RCD EP | 09 44 29.5 |
| E | 44 43.0 |
| E | 48 04.0 |
| EL | 50 14.0 |
| TUC E(P) | 09 44 32.2 |
| E | 48 14.0 |
| COL IP | 09 45 09.2 |
| E | 49 24.0 |
| HON EL | 09 53 41.0 |
| JUN 14 | |
| H-09 57 34.3 | |
| 44.4N 149.4E | |
| h ABOUT 33KM | |
| COL EP | 10 05 04.3 |
| EUR EP | 10 08 24.0 |
| JUN 14 | |
| H-10 02 38.1 | |
| 59.4S 023.6W | |
| h ABOUT 33KM | |
| BOZ EP' | 10 21 40.5 |
| COL IP' | 10 22 34.8 |
| I | 22 49.5 |
| JUN 14 | |
| COL E(P) | 10 49 42.5 |
| JUN 14 | |
| BOZ EP | 12 04 13.0 |
| E | 05 13.0 |
| JUN 14 | |
| H-12 27 41.3 | |
| 3.7S 102.9W | |
| h ABOUT 33KM | |
| EUR IP | 12 35 53.3 |
| JUN 14 | |
| BOZ EP | 12 40 38.5 |
| JUN 14 | |
| H-13 05 52.6 | |
| 44.5N 129.5W | |
| h ABOUT 25KM | |
| HHM EP | 13 08 35.0 |
| EUR IP | 13 08 36.5 |
| BOZ EP | 13 08 55.5 |
| BCN EP | 13 09 12.5 |
| E | 09 22.0 |
| RCD E(P) | 13 10 08.0 |
| TUC EP | 13 10 15.0 |
| ALQ E(P) | 13 10 22.0 |
| COL EP | 13 10 55.0 |
| JUN 14 | |
| H-13 17 01.2 | |
| 32.0N 087.7E | |
| h ABOUT 32KM | |
| COL EP | 13 28 36.4 |
| JUN 14 | |
| COL EP | 13 31 30.0 |
| JUN 14 | |
| TUC E(P) | 13 54 24.5 |
| JUN 14 | |
| H-14 28 19.7 | |
| 35.6N 139.0E | |
| h ABOUT 159KM | |
| COL IP | 14 37 08.9 |
| IPP | 37 42.5 |
| HHM IP | 14 39 40.5 |
| EUR EP | 14 40 03.8 |
| JUN 14 | |
| EUR E(P) | 14 38 40.4 |
| BOZ E(P) | 14 39 04.5 |
| E | 39 57.0 |
| JUN 14 | |
| ALQ E(P) | 16 29 18.4 |
| BOZ E(P) | 16 30 44.0 |
| E | 30 52.0 |
| JUN 14 | |
| H-16 47 22.7 | |
| 08.3N 038.0W | |
| h ABOUT 33KM | |
| RCD EP | 16 58 11.0 |
| TUC E(P) | 16 58 40.0 |
| BOZ EP | 16 58 49.9 |
| I | 58 57.5 |
| I | 59 05.0 |
| HHM E(P) | 16 59 00.0 |
| E | 59 14.5 |
| BCN EP | 16 59 02.0 |
| EUR IP | 16 59 06.4 |
| COL EP | 17 00 23.0 |
| JUN 14 | |
| COL EP | 17 41 03.8 |
| JUN 14 | |
| COL EP | 19 08 54.9 |
| JUN 15 | |
| BUT EP | 00 17 37.5 |
| I | 17 40.0 |
| JUN 15 | |
| EUR IP | 00 23 29.0 |
| HHM E(P) | 00 24 00.0 |
| JUN 15 | |
| H-00 38 59.6 | |
| 45.2N 146.4E | |
| h ABOUT 33KM | |
| COL IP | 00 46 35.5 |
| EUR IP | 00 49 57.2 |
| JUN 15 | |
| H-00 58 37.1 | |
| 53.7N 160.4E | |
| h ABOUT 33KM | |
| COL E(P) | 01 04 25.4 |
| EUR IP | 01 08 14.8 |
| JUN 15 | |
| KIP E(P) | 01 27 52.6 |
| JUN 15 | |
| COL EP | 01 41 52.0 |
| JUN 15 | |
| H-01 45 11.7 | |
| 44.0N 149.3E | |
| h ABOUT 34KM | |
| COL EP | 01 52 43.0 |
| BOZ EP | 01 55 53.5 |
| EUR IP | 01 56 04.2 |
| JUN 15 | |
| BUT EP | 02 33 31.6 |
| E | 34 36.6 |
| JUN 15 | |
| BOZ EP | 02 42 02.0 |
| ALQ E(P) | 02 43 17.0 |
| JUN 15 | |
| TUC E(P) | 02 55 43.3 |
| JUN 15 | |
| BOZ IP | 03 49 06.8 |
| IS | 49 11.1 |
| BZM E(P) | 03 49 07.7 |
| BUT IP | 03 49 08.2 |
| IL | 49 21.5 |
| JUN 15 | |
| COL EP | 04 11 55.8 |
| JUN 15 | |
| H-04 46 14.1 | |
| 50.2N 178.2E | |
| h ABOUT 29KM | |
| COL EP | 04 51 16.0 |
| HHM EP | 04 54 10.5 |
| I | 54 12.2 |
| IPCP | 56 03.0 |
| BUT EP | 04 54 27.7 |
| EPCP | 56 09.2 |
| BOZ EP | 04 54 33.0 |
| I | 54 39.0 |
| EUR IP D | 04 54 40.4 |
| SLC IP | 04 54 55.6 |
| BCN EP | 04 55 02.2 |
| RCD EP | 04 55 18.0 |
| E | 55 29.0 |
| TUC EP | 04 55 38.6 |
| ALQ IP | 04 55 45.6 |
| EPCP | 56 47.4 |
| HON EL | 05 00 25.2 |
| KIP EL | 05 00 29.0 |
| JUN 15 | |
| BOZ E(P) | 06 04 52.0 |
| JUN 15 | |
| H-06 16 00.6 | |
| 19.7S 106.2E | |
| h ABOUT 33KM | |
| EUR EP' | 06 35 29.2 |
| TUC EP' | 06 35 39.6 |
| E | 36 00.0 |
| RCD EP' | 06 35 40.5 |
| E | 35 50.0 |
| ALQ EP' | 06 35 44.0 |
| JUN 15 | |
| BOZ IP | 06 16 06.4 |
| IS | 16 10.0 |
| BUT IP | 06 16 06.7 |
| IL | 16 14.0 |
| HHM EP | 06 16 53.0 |
| E | 17 32.0 |
| JUN 15 | |
| COL EP | 06 45 17.0 |
| SIT E(P) | 06 46 04.2 |
| E | 46 16.5 |
| JUN 15 | |
| COL E(P) | 06 46 17.0 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| JUN 15 | | |
| H-07 59 19.4 | | |
| 29.6N 095.6E | | |
| h ABOUT 30KM | | |
| COL | IP | 08 10 52.9 |
| HHM | EP | 08 12 56.5 |
| JUN 15 | | |
| COL | IP | 08 53 04.9 |
| EUR | IP | 08 56 47.4 |
| JUN 15 | | |
| H-09 20 30.3 | | |
| 37.9S 177.5E | | |
| h ABOUT 61KM | | |
| KIP | E(P) | 09 30 50.5 |
| TUC | E(P) | 09 33 55.0 |
| EUR | IP | 09 34 01.6 |
| BOZ | E(P) | 09 34 31.0 |
| JUN 15 | | |
| EUR | IP | 09 27 07.4 |
| | IS | 27 26.6 |
| JUN 15 | | |
| H-12 51 51.6 | | |
| 27.2S 175.9W | | |
| h ABOUT 41KM | | |
| TUC | EP | 13 04 27.9 |
| | E | 04 39.0 |
| EUR | EP | 13 04 31.0 |
| COL | E(P) | 13 05 06.5 |
| JUN 15 | | |
| H-12 52 11.8 | | |
| 44.4N 149.4E | | |
| h ABOUT 33KM | | |
| COL | EP | 12 59 42.0 |
| BOZ | EP | 13 02 52.7 |
| | I | 03 05.5 |
| | E | 05 02.0 |
| EUR | EP | 13 03 01.4 |
| JUN 15 | | |
| H-13 09 19.0 | | |
| 44.3N 149.4E | | |
| h ABOUT 24KM | | |
| COL | EP | 13 16 51.0 |
| BOZ | EP | 13 20 02.0 |
| EUR | IP | 13 20 09.8 |
| JUN 15 | | |
| H-13 18 44.7 | | |
| 44.1N 149.5E | | |
| h ABOUT 33KM | | |
| COL | EP | 13 26 16.0 |
| BOZ | E(P) | 13 29 25.0 |
| EUR | EP | 13 29 35.4 |
| JUN 15 | | |
| COL | E(P) | 13 33 22.6 |
| | E | 33 37.0 |
| EUR | EP | 13 37 00.7 |
| JUN 15 | | |
| COL | IP | 13 44 46.5 |
| JUN 15 | | |
| H-14 18 59.5 | | |
| 44.4N 149.4E | | |
| h ABOUT 37KM | | |
| COL | IP | 14 26 29.0 |
| HHM | E(P) | 14 29 20.0 |
| BOZ | EP | 14 29 40.0 |
| EUR | IP | 14 29 48.4 |
| JUN 15 | | |
| H-15 15 02.2 | | |
| 52.2N 174.9E | | |
| h ABOUT 59KM | | |
| COL | IP | 15 20 02.0 |
| HHM | E(P) | 15 23 05.0 |
| | EPCP | 24 51.0 |
| BOZ | EP | 15 23 28.0 |
| EUR | IP | 15 23 37.1 |
| JUN 15 | | |
| KIP | EP | 16 00 43.8 |
| JUN 15 | | |
| H-16 07 09.3 | | |
| 44.2N 149.2E | | |
| h ABOUT 33KM | | |
| COL | EP | 16 14 41.0 |
| EUR | EP | 16 18 00.0 |
| JUN 15 | | |
| H-16 26 44.7 | | |
| 51.3N 175.1E | | |
| h ABOUT 33KM | | |
| COL | EP | 16 31 52.0 |
| EUR | EP | 16 35 21.7 |
| JUN 15 | | |
| H-16 41 12.7 | | |
| 14.0N 051.7E | | |
| h ABOUT 33KM | | |
| BOZ | EP' | 17 00 00.0 |
| EUR | EP' | 17 00 14.4 |
| JUN 15 | | |
| HHM | E(P) | 18 44 52.0 |
| | E | 45 26.0 |
| | E | 45 38.0 |
| JUN 15 | | |
| H-19 02 12.7 | | |
| 51.7N 174.3W | | |
| h ABOUT 41KM | | |
| COL | EP | 19 06 32.0 |
| HHM | E(P) | 19 09 26.0 |
| BOZ | EP | 19 09 51.0 |
| EUR | IP | 19 09 57.8 |
| JUN 15 | | |
| COL | IP | 19 31 52.8 |
| JUN 15 | | |
| BOZ | E(P) | 20 14 07.5 |
| JUN 15 | | |
| KIP | IP | 21 36 41.7 |
| JUN 15 | | |
| KIP | EP | 21 36 51.5 |
| JUN 15 | | |
| COL | EP | 22 05 28.0 |
| JUN 15 | | |
| H-23 10 24.8 | | |
| 20.8S 173.7E | | |
| h ABOUT 15KM | | |
| GUA | EP | 23 18 36.0 |
| | ES | 25 12.0 |
| HON | E(P) | 23 19 28.0 |
| | E | 27 00.0 |
| | EL | 30 44.0 |
| EUR | IP | 23 23 20.9 |
| HHM | E(P) | 23 23 45.0 |
| KIP | ES | 23 26 41.0 |
| | EL | 30 34.0 |
| JUN 15 | | |
| COL | IP | 23 11 25.3 |
| EUR | FP | 23 12 15.5 |
| JUN 15 | | |
| BCN | E(P) | 23 21 46.5 |
| | E | 21 53.3 |
| | EL | 22 32.5 |
| TUC | E(P) | 23 22 14.0 |
| JUN 15 | | |
| BHP | EP | 23 33 44.0 |
| JUN 16 | | |
| H-00 55 09.6 | | |
| 33.0N 115.6W | | |
| h ABOUT 16KM | | |
| BCN | EP | 00 55 58.8 |
| | I | 56 05.4 |
| | IL | 56 45.4 |
| TUC | E(P) | 00 56 15.3 |
| | EL | 57 22.5 |
| EUR | EP | 00 56 46.8 |
| | E | 56 55.7 |
| | EL | 00 58 40.7 |
| JUN 16 | | |
| TUC | E(P) | 00 55 19.5 |
| JUN 16 | | |
| BCN | E(P) | 01 12 22.0 |
| | E | 12 29.1 |
| | EL | 13 08.3 |
| TUC | E(P) | 01 12 46.4 |
| JUN 16 | | |
| KIP | IP | 01 28 43.0 |
| JUN 16 | | |
| H-02 42 04.3 | | |
| 33.0N 115.5W | | |
| h ABOUT 16KM | | |
| BCN | EP | 02 42 53.8 |
| | I | 43 00.6 |
| | IL | 43 40.0 |
| TUC | EP | 02 43 07.2 |
| EUR | EP | 02 43 42.2 |
| | I | 43 51.2 |
| | I | 44 10.5 |
| | IL | 45 35.0 |
| JUN 16 | | |
| H-02 43 08.4 | | |
| 34.7S 112.1W | | |
| h ABOUT 33KM | | |
| EUR | IP | 02 54 43.2 |
| RCD | EP | 02 55 10.0 |
| | E | 55 15.5 |
| BUT | E(P) | 02 55 13.3 |
| BOZ | EP | 02 55 15.0 |
| JUN 16 | | |
| TUC | E(P) | 03 26 42.5 |
| JUN 16 | | |
| TUC | E(P) | 03 46 12.0 |
| | E | 48 30.0 |
| JUN 16 | | |
| H-03 47 09.8 | | |
| 33.0N 115.6W | | |
| h ABOUT 16KM | | |
| BCN | E(P) | 03 47 59.0 |
| | I | 48 06.2 |
| | IL | 48 45.0 |
| TUC | E(P) | 03 48 15.0 |
| EUR | E(P) | 03 48 47.2 |
| | E | 48 55.7 |
| | I | 49 14.2 |
| | IL | 50 36.0 |
| JUN 16 | | |
| H-03 55 17.5 | | |
| 34.4S 112.3W | | |
| h ABOUT 33KM | | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| TUC EP | 04 06 04.0 |
| E | 15 03.0 |
| ALQ IP | 04 06 21.5 |
| EUR IP | 04 06 49.2 |
| SLC EP | 04 06 56.2 |
| RCD EP | 04 07 17.0 |
| E | 07 23.0 |
| BOZ EP | 04 07 23.0 |
| I | 07 30.0 |
| E | 17 30.0 |
| E | 22 55.0 |
| EL | 34 00.0 |
| COL EP | 04 09 13.0 |
| JUN 16 | |
| BHP EP | 03 59 27.0 |
| JUN 16 | |
| H-04 37 38.1 | |
| 52.1N 171.5E | |
| h ABOUT 33KM | |
| COL IP | 04 42 53.1 |
| BOZ EP | 04 46 22.0 |
| EUR IP | 04 46 32.1 |
| JUN 16 | |
| TUC E(P) | 04 45 31.3 |
| JUN 16 | |
| H-04 57 28.4 | |
| 29.3N 142.0E | |
| h ABOUT 33KM | |
| GUA E(P) | 05 01 16.0 |
| COL EP | 05 07 02.0 |
| HHM IP | 05 09 21.1 |
| E | 09 35.0 |
| BUT EP | 05 09 31.9 |
| BOZ EP | 05 09 36.5 |
| EUR IP | 05 09 38.2 |
| RCD EP | 05 10 06.0 |
| JUN 16 | |
| H-06 07 36.9 | |
| 28.9S 176.9W | |
| h ABOUT 54KM | |
| EUR EP | 06 20 26.1 |
| BOZ EP | 06 20 54.0 |
| JUN 16 | |
| COL EP | 06 17 05.7 |
| E | 17 20.8 |
| JUN 16 | |
| BOZ EP | 06 46 35.0 |
| E | 47 14.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 16 | |
| H-07 40 24.7 | |
| 44.0N 149.5E | |
| h ABOUT 7KM | |
| COL IP | 07 48 02.0 |
| HHM E(P) | 07 50 52.0 |
| EUR IP | 07 51 19.6 |
| ALQ E(P) | 07 52 12.0 |
| JUN 16 | |
| COL EP | 08 13 35.0 |
| JUN 16 | |
| H-08 19 33.9 | |
| 36.8S 097.4W | |
| h ABOUT 33KM | |
| BOZ E(P) | 08 32 02.0 |
| EUR EP | 08 31 30.0 |
| JUN 16 | |
| H-09 35 16.7 | |
| 33.0N 115.5W | |
| h ABOUT 16KM | |
| BCN EP | 09 36 06.0 |
| E | 36 12.6 |
| IL | 36 52.7 |
| TUC E(P) | 09 36 19.1 |
| E | 37 30.2 |
| EUR E(P) | 09 36 54.3 |
| E | 37 02.5 |
| I | 37 22.2 |
| EL | 38 47.7 |
| JUN 16 | |
| BCN E(P) | 09 49 48.3 |
| E | 49 57.0 |
| EL | 50 36.5 |
| TUC E(P) | 09 50 14.9 |
| JUN 16 | |
| COL EP | 10 02 51.3 |
| JUN 16 | |
| COL EP | 10 03 42.6 |
| JUN 16 | |
| EUR EP | 12 02 38.0 |
| JUN 16 | |
| BCN E(P) | 12 22 34.0 |
| E | 22 41.0 |
| EL | 23 21.2 |
| JUN 16 | |
| COL EP | 13 04 16.0 |
| JUN 16 | |
| BOZ EP | 13 50 25.0 |
| IL | 51 04.5 |
| JUN 16 | |
| H-14 04 23.2 | |
| 33.0N 115.6W | |
| h ABOUT 016KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BCN E(P) | 14 05 13.0 |
| E | 05 19.7 |
| EL | 05 58.0 |
| TUC E(P) | 14 05 35.0 |
| EUR E(P) | 14 06 03.2 |
| E | 06 29.7 |
| EL | 07 56.8 |
| JUN 16 | |
| COL IP | 14 07 01.8 |
| JUN 16 | |
| H-14 12 39.8 | |
| 18.1N 068.7W | |
| h ABOUT 116KM | |
| SJG IP C | 14 13 19.0 |
| I | 13 30.2 |
| S | 13 48.5 |
| BOZ EP | 14 20 45.0 |
| HHM E(P) | 14 21 05.0 |
| E | 21 29.0 |
| COL EP | 14 23 34.0 |
| JUN 16 | |
| COL EP | 15 49 11.1 |
| EUR IP | 15 52 44.9 |
| JUN 16 | |
| H-15 56 04.8 | |
| 33.0N 115.6W | |
| h ABOUT 16KM | |
| BCN E(P) | 15 56 54.5 |
| I | 57 01.2 |
| IL | 57 41.5 |
| TUC E(P) | 15 57 07.5 |
| JUN 16 | |
| EUR IP | 16 25 03.4 |
| JUN 16 | |
| H-16 30 00.2 | |
| 36.8N 116.0W | |
| h ABOUT 00KM | |
| BCN IP C | 16 30 23.4 |
| EUR IP C | 16 30 45.2 |
| GCA EP | 16 30 58.2 |
| I | 31 06.0 |
| SLC EP | 16 31 21.4 |
| I | 31 39.0 |
| TUC EP | 16 31 34.2 |
| ALQ IP | 16 31 58.0 |
| E | 32 26.0 |
| BOZ EP | 16 32 22.0 |
| HHM EP | 16 32 52.1 |
| FL | 36 18.0 |
| COL IP | 16 36 46.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 16 | |
| H-17 39 34.6 | |
| 33.0N 115.6W | |
| h ABOUT 16KM | |
| BCN E(P) | 17 40 24.0 |
| E | 40 31.0 |
| EL | 41 11.2 |
| TUC E(P) | 17 40 37.5 |
| JUN 16 | |
| COL EP | 17 50 14.0 |
| JUN 16 | |
| COL EP | 18 18 20.0 |
| JUN 16 | |
| EUR E(P) | 18 53 54.2 |
| JUN 16 | |
| COL EP | 19 01 04.0 |
| JUN 16 | |
| COL FP | 20 08 10.0 |
| JUN 16 | |
| COL EP | 22 05 35.0 |
| JUN 16 | |
| COL IP | 22 08 52.7 |
| JUN 16 | |
| RCD E(P) | 23 42 44.0 |
| JUN 16 | |
| HHM IP | 23 42 44.6 |
| IL | 42 48.0 |
| JUN 16 | |
| H-23 49 07.4 | |
| 32.1N 087.5E | |
| h ABOUT 62KM | |
| COL IP | 24 00 39.3 |
| JUN 17 | |
| COL EP | 00 03 22.0 |
| JUN 17 | |
| COL EP | 00 33 39.0 |
| JUN 17 | |
| EUR IP | 00 37 11.7 |
| JUN 17 | |
| KIP EP | 01 45 54.6 |
| JUN 17 | |
| H-02 58 22.5 | |
| 37.7N 029.3E | |
| h ABOUT 21KM | |
| COL EP | 03 10 19.0 |
| HHM EP | 03 11 13.6 |
| BOZ EP | 03 11 22.5 |
| JUN 17 | |
| H-03 44 58.5 | |
| 50.0N 078.0E | |
| h ABOUT 0KM | |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| COL | IP | 03 55 08.5 |
| HHM | EP | 03 57 19.0 |
| BOZ | IP | 03 57 34.5 |
| EUR | IP | 03 58 02.9 |
| JUN 17 | | |
| H-04 32 22.9 | | |
| 33.0N 115.5W | | |
| h ABOUT 16KM | | |
| BCN | EP | 04 33 14.0 |
| | I | 33 20.5 |
| | IL | 33 59.5 |
| TUC | E(P) | 04 33 26.2 |
| EUR | EP | 04 34 03.4 |
| | I | 34 31.0 |
| ALQ | E(P) | 04 34 23.2 |
| | I | 36 51.0 |
| JUN 17 | | |
| H-04 42 53.7 | | |
| 23.6S 179.7W | | |
| h ABOUT 474KM | | |
| TUC | EP | 04 54 45.7 |
| EUR | IP | 04 54 45.8 |
| JUN 17 | | |
| BCN | E(P) | 05 26 10.5 |
| | E | 26 17.2 |
| | EL | 26 57.0 |
| JUN 17 | | |
| BCN | E(P) | 05 52 39.2 |
| | E | 52 46.0 |
| | EL | 53 25.0 |
| TUC | E(P) | 05 53 10.1 |
| JUN 17 | | |
| COL | EP | 05 54 43.9 |
| JUN 17 | | |
| GUA | IP | 06 18 48.0 |
| | IS | 19 06.0 |
| JUN 17 | | |
| BOZ | EP | 06 45 32.5 |
| JUN 17 | | |
| COL | E(P) | 06 54 13.0 |
| JUN 17 | | |
| H-07 13 26.1 | | |
| 33.0N 115.6W | | |
| h ABOUT 16KM | | |
| BCN | E(P) | 07 14 16.0 |
| | E | 14 23.0 |
| | IL | 15 05.0 |
| TUC | E(P) | 07 14 28.9 |
| JUN 17 | | |
| H-07 21 37.5 | | |
| 33.0N 115.5W | | |
| h ABOUT 16KM | | |
| BCN | E(P) | 07 22 28.0 |
| | E | 22 33.4 |
| | EL | 23 16.0 |
| TUC | E(P) | 07 22 46.0 |
| JUN 17 | | |
| H-07 30 19.1 | | |
| 33.0N 115.5W | | |
| h ABOUT 16KM | | |
| BCN | EP D | 07 31 07.3 |
| | I | 31 15.5 |
| | IL | 31 56.0 |
| TUC | EP | 07 31 21.0 |
| GCA | EP | 07 31 38.8 |
| EUR | IP | 07 31 57.7 |
| ALQ | IP | 07 32 16.0 |
| SLC | E(P) | 07 32 28.3 |
| BOZ | EP | 07 33 31.0 |
| | E | 34 30.5 |
| | EL | 37 16.0 |
| HHM | E(P) | 07 34 04.5 |
| JUN 17 | | |
| H-07 40 10.5 | | |
| 33.0N 115.5W | | |
| h ABOUT 16KM | | |
| BCN | EP | 07 40 59.7 |
| | I | 41 06.7 |
| | IL | 41 53.0 |
| TUC | E(P) | 07 41 07.5 |
| GCA | E(P) | 07 41 33.7 |
| EUR | IP | 07 41 47.7 |
| JUN 17 | | |
| BCN | E(P) | 07 52 26.5 |
| | E | 52 32.6 |
| | EL | 53 14.0 |
| JUN 17 | | |
| BCN | E(P) | 07 58 20.0 |
| | EL | 59 03.5 |
| TUC | E(P) | 07 58 42.0 |
| JUN 17 | | |
| BCN | E(P) | 08 13 14.2 |
| | E | 13 33.3 |
| | EL | 14 16.0 |
| EUR | EP | 08 14 29.6 |
| JUN 17 | | |
| TUC | E(P) | 08 22 42.2 |
| BCN | E(P) | 08 23 00.0 |
| | EL | 23 40.5 |
| JUN 17 | | |
| COL | EP | 08 30 15.0 |
| JUN 17 | | |
| BOZ | EP | 08 33 26.0 |
| JUN 17 | | |
| BCN | E(P) | 08 37 46.5 |
| | E | 37 53.0 |
| | EL | 38 32.5 |
| TUC | E(P) | 08 38 17.0 |
| JUN 17 | | |
| BCN | E(P) | 08 40 25.0 |
| | E | 40 32.0 |
| | EL | 41 16.3 |
| JUN 17 | | |
| BCN | E(P) | 08 51 04.5 |
| | E | 51 11.5 |
| | EL | 51 51.5 |
| TUC | E(P) | 08 51 24.9 |
| JUN 17 | | |
| COL | IP | 09 43 56.7 |
| JUN 17 | | |
| H-09 53 58.6 | | |
| 33.1N 115.7W | | |
| h ABOUT 16KM | | |
| BCN | E(P) | 09 54 47.5 |
| | E | 54 53.9 |
| | EL | 55 34.0 |
| TUC | E(P) | 09 55 05.1 |
| JUN 17 | | |
| BCN | E(P) | 10 07 50.0 |
| | E | 07 57.0 |
| | EL | 08 37.0 |
| TUC | E(P) | 10 08 17.5 |
| JUN 17 | | |
| H-10 10 20.9 | | |
| 44.7N 129.4W | | |
| h ABOUT 33KM | | |
| BOZ | E(P) | 10 13 22.0 |
| JUN 17 | | |
| H-10 43 34.7 | | |
| 24.0N 123.4E | | |
| h ABOUT 42KM | | |
| GUA | E(P) | 10 48 30.0 |
| | I | 52 52.0 |
| COL | IP C | 10 54 31.6 |
| HHM | EP | 10 56 40.4 |
| BOZ | EP | 10 56 53.5 |
| EUR | I(P) | 10 57 01.5 |
| JUN 17 | | |
| H-10 51 34.9 | | |
| 33.9S 179.6W | | |
| h ABOUT 20KM | | |
| EUR | IP | 11 04 52.2 |
| COL | E(P) | 11 05 21.0 |
| JUN 17 | | |
| BCN | E(P) | 11 01 08.0 |
| JUN 17 | | |
| COL | E(P) | 11 14 37.4 |
| JUN 17 | | |
| COL | EP | 11 21 16.5 |
| JUN 17 | | |
| H-11 22 54.9 | | |
| 43.2N 126.0W | | |
| h ABOUT 33KM | | |
| EUR | IP | 11 24 58.1 |
| BOZ | EP | 11 25 27.0 |
| BCN | E(P) | 11 25 32.5 |
| TUC | E(P) | 11 26 44.2 |
| ALQ | E(P) | 11 26 54.0 |
| COL | E(P) | 11 28 16.5 |
| JUN 17 | | |
| COL | E(P) | 11 32 08.2 |
| JUN 17 | | |
| BCN | E(P) | 11 41 23.7 |
| | E | 41 27.3 |
| | EL | 42 21.0 |
| TUC | E(P) | 11 41 54.3 |
| JUN 17 | | |
| BCN | E(P) | 12 28 34.0 |
| | E | 28 41.1 |
| | EL | 28 25.2 |
| JUN 17 | | |
| BCN | E(P) | 12 30 40.8 |
| | E | 30 49.8 |
| | EL | 31 27.0 |
| JUN 17 | | |
| BCN | E(P) | 13 01 26.2 |
| | E | 01 33.5 |
| | EL | 02 21.0 |
| TUC | E(P) | 13 01 55.5 |
| JUN 17 | | |
| BCN | E(P) | 13 51 15.0 |
| | E | 51 21.5 |
| | EL | 52 02.0 |
| TUC | E(P) | 13 51 31.0 |
| JUN 17 | | |
| COL | E(P) | 13 53 34.5 |
| | E | 53 08.0 |
| JUN 17 | | |
| COL | EP | 14 01 52.0 |
| JUN 17 | | |
| HHM | E(P) | 14 05 15.0 |
| JUN 17 | | |
| SJG | IP | 14 11 33.0 |
| | IS | 11 58.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 17 | |
| H-14 23 12.4 | |
| 53.9N 163.0W | |
| h ABOUT 33KM | |
| COL EP | 14 26 24.0 |
| EUR IP | 14 30 00.9 |
| BCN EP | 14 30 26.7 |
| TUC EP | 14 31 07.5 |
| JUN 17 | |
| HHM E(P) | 14 32 21.3 |
| JUN 17 | |
| EUR EP | 15 12 29.0 |
| JUN 17 | |
| H-15 22 09.8 | |
| 39.7N 111.3W | |
| h ABOUT 033KM | |
| SLC EP | 15 22 31.0 |
| ES | 22 45.0 |
| FGU E(P) | 15 22 42.0 |
| EUR E(P) | 15 23 08.7 |
| EL | 24 02.0 |
| JUN 17 | |
| BCN E(P) | 16 15 48.7 |
| F | 15 55.5 |
| EL | 16 31.5 |
| TUC E(P) | 16 16 09.2 |
| JUN 17 | |
| TUC E(P) | 16 21 30.0 |
| JUN 17 | |
| BCN E(P) | 16 45 50.5 |
| E | 45 57.5 |
| EL | 45 37.5 |
| TUC E(P) | 16 46 20.0 |
| JUN 17 | |
| COL EP | 17 43 00.0 |
| JUN 17 | |
| H-19 05 07.5 | |
| 52.1N 175.0E | |
| h ABOUT 42KM | |
| COL EP | 19 10 08.0 |
| I | 10 09.2 |
| HHM E(P) | 19 13 11.0 |
| BOZ IP | 19 13 34.5 |
| EUR IP | 19 13 43.4 |
| BCN EP | 19 14 08.0 |
| TUC EP | 19 14 42.0 |
| F | 14 57.0 |
| JUN 17 | |
| KIP E(P) | 20 05 19.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 17 | |
| EUR EP | 20 08 33.6 |
| JUN 17 | |
| H-19 59 18.2 | |
| 00.7S 133.8E | |
| h ABOUT 033KM | |
| COL EP | 20 11 55.0 |
| JUN 17 | |
| H-20 14 49.8 | |
| 32.0N 087.7E | |
| h ABOUT 16KM | |
| COL IP | 20 26 27.1 |
| JUN 17 | |
| BOZ EP | 21 57 00.0 |
| JUN 17 | |
| BOZ EP | 22 38 46.0 |
| JUN 17 | |
| TUC E(P) | 22 49 25.0 |
| ALQ EP | 22 50 20.5 |
| EUR IP | 22 51 28.7 |
| HHM E(P) | 22 53 02.1 |
| JUN 17 | |
| TUC E(P) | 22 55 18.8 |
| JUN 17 | |
| H-22 58 20.9 | |
| 31.7N 113.3W | |
| h ABOUT 10KM | |
| TUC E(P) | 22 58 58.7 |
| BCN EP | 22 59 30.5 |
| IL | 23 00 40.0 |
| EUR IP | 23 00 22.3 |
| JUN 17 | |
| ALQ EP | 23 00 19.0 |
| JUN 17 | |
| BHP IP | 23 03 46.0 |
| JUN 17 | |
| TUC E(P) | 23 22 11.0 |
| JUN 17 | |
| COL EP | 23 31 08.0 |
| JUN 18 | |
| COL EP | 00 39 13.0 |
| JUN 18 | |
| H-01 18 41.1 | |
| 32.2N 087.7E | |
| h ABOUT 60KM | |
| COL IP | 01 30 12.3 |
| JUN 18 | |
| KIP EP | 01 26 42.2 |
| JUN 18 | |
| COL EP | 01 50 15.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 18 | |
| H-03 23 47.2 | |
| 50.9N 149.7E | |
| h ABOUT 521KM | |
| COL IP | 03 29 51.8 |
| HHM E(P) | 03 32 51.2 |
| BOZ EP | 03 33 12.0 |
| EUR IP | 03 33 25.2 |
| ALQ EP | 03 34 17.0 |
| JUN 18 | |
| H-03 37 54.9 | |
| 05.0S 080.7W | |
| h ABOUT 102KM | |
| TUC EP | 03 46 17.2 |
| EUR EP | 03 47 18.0 |
| EPP | 47 43.0 |
| JUN 18 | |
| TUC EP | 03 47 39.0 |
| JUN 18 | |
| COL EP | 05 05 03.0 |
| JUN 18 | |
| COL EP | 05 51 05.0 |
| JUN 18 | |
| COL IP | 06 43 21.8 |
| I | 43 28.9 |
| ES | 47 36.3 |
| JUN 18 | |
| H-07 21 13.5 | |
| 11.1S 164.8E | |
| h ABOUT 33KM | |
| COL EP | 07 33 40.0 |
| EUR EP | 07 34 12.0 |
| JUN 18 | |
| EUR EP | 07 58 31.0 |
| IL | 59 03.5 |
| JUN 18 | |
| H-08 14 03.9 | |
| 37.3N 116.0W | |
| h ABOUT 33KM | |
| BCN IP C | 08 14 30.0 |
| IS | 14 51.6 |
| EUR IP D | 08 14 38.0 |
| IL | 15 11.0 |
| JUN 18 | |
| H-08 17 40.0 | |
| 25.0N 093.7E | |
| h ABOUT 66KM | |
| COL EP | 08 29 36.0 |
| ALQ IP' | 08 36 21.0 |
| TUC EP' | 08 36 23.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 18 | |
| HHM E(P) | 08 58 23.0 |
| JUN 18 | |
| TUC EP | 09 13 55.0 |
| EL | 15 09.5 |
| ALQ E(P) | 09 14 46.0 |
| E | 16 11.5 |
| BCN E(P) | 09 15 02.0 |
| E | 16 48.0 |
| EL | 17 33.0 |
| EUR EP | 09 15 46.7 |
| JUN 18 | |
| H-10 48 33.2 | |
| 23.8S 067.4W | |
| h ABOUT 148KM | |
| TUC EP | 10 59 26.8 |
| BCN EP | 10 59 57.8 |
| EUR IP | 11 00 15.1 |
| BOZ IP | 11 00 27.5 |
| HHM E(P) | 11 00 43.3 |
| JUN 18 | |
| HHM E(P) | 10 49 05.4 |
| EL | 50 02.4 |
| JUN 18 | |
| H-11 14 55.5 | |
| 50.9N 156.5E | |
| h ABOUT 33KM | |
| COL IP | 11 21 16.5 |
| EUR IP | 11 24 56.0 |
| JUN 18 | |
| UKI E(P) | 11 39 03.0 |
| JUN 18 | |
| COL EP | 11 59 19.6 |
| JUN 18 | |
| COL E(P) | 12 43 18.5 |
| JUN 18 | |
| HHM E(P) | 12 51 54.0 |
| EL | 52 49.0 |
| JUN 18 | |
| EUR EP | 12 57 56.3 |
| EL | 58 44.0 |
| JUN 18 | |
| H-13 55 51.4 | |
| 34.0N 116.4W | |
| h ABOUT 16KM | |
| BCN IP D | 13 56 30.5 |
| I | 56 36.9 |
| IL | 57 06.5 |
| IL | 57 12.1 |
| EUR EP | 13 57 15.3 |
| IL | 58 46.3 |

| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| JUN 18 | | |
| EUR | E(P) | 14 25 13.7 |
| | I | 26 01.7 |
| JUN 18 | | |
| COL | EP | 14 36 22.5 |
| JUN 18 | | |
| COL | EP | 16 01 37.6 |
| JUN 18 | | |
| COL | EP | 16 14 50.0 |
| JUN 18 | | |
| ALQ | IP | 17 33 30.7 |
| JUN 18 | | |
| H-18 16 33.2 | | |
| 45.3N 150.4E | | |
| h ABOUT 33KM | | |
| COL | EP | 18 23 53.0 |
| BOZ | EP | 18 27 07.5 |
| EUR | IP | 18 27 16.2 |
| JUN 18 | | |
| FGU | E(P) | 18 23 32.3 |
| | E(S) | 23 51.2 |
| JUN 18 | | |
| TUC | E(P) | 19 06 03.8 |
| JUN 18 | | |
| SJG | EP | 20 11 44.0 |
| | EL | 13 35.2 |
| JUN 18 | | |
| SJG | IP D | 20 39 20.2 |
| | IS | 39 33.0 |
| JUN 18 | | |
| H-20 48 01.3 | | |
| 10.2N 084.1W | | |
| h ABOUT 35KM | | |
| BHP | IP D | 20 49 11.0 |
| | IS | 53 42.0 |
| JUN 18 | | |
| BOZ | IP | 21 04 37.5 |
| | IS | 04 43.0 |
| HHM | E(P) | 21 05 14.0 |
| | E | 06 04.0 |
| JUN 18 | | |
| COL | EP | 21 37 14.0 |
| JUN 18 | | |
| COL | EP | 21 45 30.0 |
| JUN 18 | | |
| EUR | IP | 22 13 17.3 |
| | IS | 13 34.3 |
| JUN 18 | | |
| H-22 45 16.7 | | |
| 11.1S 073.6W | | |
| h ABOUT 111KM | | |
| BHP | IP D | 22 49 53.0 |
| SJG | EP | 22 51 14.5 |
| | IS | 56 03.8 |
| CSC | EP | 22 53 26.0 |
| | E | 53 54.0 |
| WSC | EP | 22 54 01.2 |
| | E | 54 27.9 |
| ALQ | IP | 22 54 41.2 |
| TUC | EP | 22 54 44.3 |
| | E>P | 55 11.7 |
| BCN | EP | 22 55 20.3 |
| | E>P | 55 47.2 |
| | E&P | 56 00.6 |
| RCD | EP | 22 55 21.0 |
| | E | 55 28.0 |
| SLC | IP | 22 55 31.2 |
| EUR | IP D | 22 55 40.5 |
| BOZ | IP D | 22 55 53.0 |
| BUT | E(P) | 22 55 56.8 |
| HHM | EP | 22 56 14.0 |
| COL | EP | 22 58 20.0 |
| JUN 18 | | |
| H-22 58 16.5 | | |
| 34.7N 141.1E | | |
| h ABOUT 60KM | | |
| COL | EP | 23 07 16.0 |
| HHM | EP | 23 09 46.0 |
| BOZ | IP | 23 10 02.5 |
| EUR | IP | 23 10 07.4 |
| FGU | EP | 23 10 25.2 |
| JUN 18 | | |
| H-23 12 23.6 | | |
| 18.7S 175.6W | | |
| h ABOUT 134KM | | |
| EUR | E(P) | 23 24 16.3 |
| COL | IP | 23 24 51.2 |
| JUN 18 | | |
| RCD | EP | 23 51 13.0 |
| JUN 19 | | |
| H-01 39 38.7 | | |
| 13.1N 090.4W | | |
| h ABOUT 32KM | | |
| CSC | EP | 01 44 37.5 |
| TUC | E(P) | 01 45 15.6 |
| EUR | IP | 01 46 28.8 |
| BOZ | EP | 01 46 49.0 |
| HHM | E(P) | 01 47 15.4 |
| | EPCP | 49 18.4 |
| JUN 19 | | |
| COL | EP | 01 47 57.0 |
| JUN 19 | | |
| COL | EP | 02 12 52.0 |
| JUN 19 | | |
| COL | IP | 03 24 32.9 |
| JUN 19 | | |
| H-06 38 11.5 | | |
| 52.4N 172.1E | | |
| h ABOUT 38KM | | |
| BRW | IP | 06 43 18.5 |
| | I | 43 22.0 |
| COL | IP | 06 43 21.7 |
| SIT | E(P) | 06 44 19.5 |
| KIP | E(P) | 06 45 32.1 |
| HHM | EP | 06 46 27.2 |
| | EPCP | 49 08.0 |
| BUT | E(P) | 06 46 50.0 |
| BOZ | IP C | 06 46 51.4 |
| | I | 47 09.0 |
| | I | 49 31.0 |
| EUR | IP | 06 47 01.5 |
| | I | 49 39.4 |
| SLC | EP | 06 47 12.9 |
| BCN | EP | 06 47 24.1 |
| TUC | EP | 06 48 00.0 |
| | E | 48 14.6 |
| ALQ | IP | 06 48 03.8 |
| HON | ES | 06 51 38.0 |
| | EL | 56 12.0 |
| JUN 19 | | |
| COL | EP | 06 55 22.0 |
| JUN 19 | | |
| EUR | IP | 07 26 29.1 |
| | IL | 26 57.6 |
| JUN 19 | | |
| SIT | E(P) | 08 45 08.4 |
| JUN 19 | | |
| COL | EP | 08 55 40.0 |
| JUN 19 | | |
| TUC | EP | 09 14 55.7 |
| JUN 19 | | |
| COL | EP | 09 32 21.0 |
| JUN 19 | | |
| HHM | EP | 10 01 34.9 |
| | EL | 02 28.7 |
| BOZ | E(P) | 10 01 53.0 |
| | I | 02 05.0 |
| | EL | 03 19.0 |
| JUN 19 | | |
| BCN | E(P) | 10 26 45.3 |
| | E | 26 51.7 |
| | EL | 27 35.0 |
| JUN 19 | | |
| H-11 09 03.4 | | |
| 55.5N 034.9W | | |
| h ABOUT 33KM | | |
| RCD | E(P) | 11 17 07.0 |
| HHM | E(P) | 11 17 32.4 |
| BRW | E(P) | 11 17 32.8 |
| BOZ | EP | 11 17 37.5 |
| COL | EP | 11 17 52.0 |
| EUR | IP | 11 18 26.2 |
| TUC | E(P) | 11 18 43.5 |
| JUN 19 | | |
| COL | EP | 12 14 14.0 |
| JUN 19 | | |
| H-12 32 02.1 | | |
| 42.7N 046.4E | | |
| h ABOUT 62KM | | |
| HHM | E(P) | 12 44 43.4 |
| JUN 19 | | |
| H-12 50 19.1 | | |
| 53.9N 160.5E | | |
| h ABOUT 61KM | | |
| BRW | EP | 12 55 42.8 |
| | EPCP | 59 14.0 |
| COL | EP | 12 56 02.0 |
| HHM | E(P) | 12 59 16.0 |
| | EPCP | 13 00 32.0 |
| BOZ | EP | 12 59 39.0 |
| EUR | IP | 12 59 52.4 |
| | I | 59 57.6 |
| BCN | EP | 13 00 15.8 |
| RCD | IP | 13 00 16.5 |
| | E | 00 24.0 |
| TUC | EP | 13 00 47.6 |
| ALQ | IP | 13 00 49.6 |
| JUN 19 | | |
| H-13 24 54.5 | | |
| 15.1S 167.4E | | |
| h ABOUT 115KM | | |
| EUR | E(P) | 13 37 40.5 |
| JUN 19 | | |
| BRW | E(P) | 13 45 11.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 19 | |
| KIP IP | 13 46 44.0 |
| JUN 19 | |
| COL EP | 13 54 07.0 |
| JUN 19 | |
| BRW EP | 14 36 55.2 |
| JUN 19 | |
| H-15 31 04.7 | |
| 21.5S 179.3W | |
| h ABOUT 619KM | |
| BCN EP | 15 42 30.5 |
| TUC EP | 15 42 35.5 |
| EUR EP | 15 42 35.7 |
| JUN 19 | |
| EUR E(P) | 15 38 20.4 |
| IL | 38 48.0 |
| JUN 19 | |
| BRW E(P) | 15 54 53.4 |
| JUN 19 | |
| BRW EP | 16 02 11.7 |
| JUN 19 | |
| TUC E(P) | 16 14 56.5 |
| JUN 19 | |
| BRW E(P) | 16 51 55.0 |
| JUN 19 | |
| BRW E(P) | 17 19 18.6 |
| JUN 19 | |
| COL E(P) | 17 29 19.4 |
| JUN 19 | |
| H-18 00 53.0 | |
| 6.2N 073.3W | |
| h ABOUT 174KM | |
| EUR E(P) | 18 09 38.4 |
| JUN 19 | |
| COL EP | 18 21 35.0 |
| JUN 19 | |
| COL EP | 18 22 37.5 |
| JUN 19 | |
| H-18 27 56.7 | |
| 44.3N 150.1E | |
| h ABOUT 033KM | |
| BRW EP | 18 35 04.3 |
| COL EP | 18 35 25.0 |
| EUR EP | 18 38 42.8 |
| JUN 19 | |
| COL EP | 20 01 22.0 |
| JUN 19 | |
| KIP EP | 20 28 50.4 |
| I | 28 03.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 19 | |
| H-21 15 39.0 | |
| 44.5N 149.2E | |
| h ABOUT 33KM | |
| BRW EP | 21 22 47.1 |
| COL EP | 21 23 08.0 |
| EUR IP | 21 26 28.6 |
| JUN 19 | |
| KIP EP | 21 36 29.0 |
| JUN 19 | |
| COL IP | 22 25 14.0 |
| JUN 20 | |
| H-00 50 10.2 | |
| 14.9S 175.1W | |
| h ABOUT 297KM | |
| EUR EP | 01 01 33.8 |
| TUC EP | 01 01 34.8 |
| COL EP | 01 01 59.0 |
| JUN 20 | |
| HHM EP | 01 40 43.0 |
| JUN 20 | |
| H-01 57 25.3 | |
| 44.6N 149.2E | |
| h ABOUT 41KM | |
| BRW IP | 02 04 32.8 |
| E(S) | 10 16.0 |
| COL IP | 02 04 53.9 |
| KIP E(P) | 02 06 18.5 |
| HHM E(P) | 02 07 45.3 |
| BOZ IP C | 02 08 05.1 |
| I | 08 17.0 |
| ES | 16 46.0 |
| EUR IP C | 02 08 13.9 |
| ES | 16 54.0 |
| SLC EP | 02 08 23.1 |
| BCN EP | 02 08 32.0 |
| I | 08 45.0 |
| RCD IP | 02 08 39.0 |
| E | 08 55.0 |
| TUC EP | 02 09 01.4 |
| E | 09 13.8 |
| WSC EP | 02 10 06.0 |
| E | 10 17.4 |
| E | 10 21.8 |
| CSC EP | 02 10 19.0 |
| E | 10 32.5 |
| JUN 20 | |
| EUR EP | 02 17 00.0 |
| EL | 18 00.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 20 | |
| EUR E(P) | 02 20 50.4 |
| JUN 20 | |
| HHM EP | 02 37 07.0 |
| JUN 20 | |
| EUR EP | 02 57 56.9 |
| EL | 59 10.0 |
| JUN 20 | |
| H-04 05 44.9 | |
| 10.2N 126.3E | |
| h ABOUT 18KM | |
| BRW E(P) | 04 17 34.7 |
| JUN 20 | |
| COL EP | 04 08 54.0 |
| JUN 20 | |
| TUC E(P) | 04 43 48.0 |
| JUN 20 | |
| HHM E(P) | 05 32 20.5 |
| EUR E(P) | 05 32 27.8 |
| JUN 20 | |
| BRW EP | 05 38 57.6 |
| JUN 20 | |
| H-06 01 57.4 | |
| 06.8S 129.2E | |
| h ABOUT 146KM | |
| GUA IP | 06 07 15.0 |
| BRW IP | 06 14 47.7 |
| E | 15 42.1 |
| COL EP | 06 14 54.0 |
| EUR IP' | 06 20 20.8 |
| EPP | 21 06.8 |
| ESKP | 23 40.0 |
| TUC EP' | 06 20 31.5 |
| ALQ EP' | 06 20 31.8 |
| JUN 20 | |
| H-06 40 22.8 | |
| 23.9S 176.3W | |
| h ABOUT 70KM | |
| TUC E(P) | 06 52 47.0 |
| EUR E(P) | 06 52 51.3 |
| JUN 20 | |
| H-07 53 41.7 | |
| 10.3N 126.1E | |
| h ABOUT 50KM | |
| BRW IP | 08 05 28.0 |
| COL EP | 08 05 42.0 |
| JUN 20 | |
| TUC E(P) | 09 30 09.4 |
| JUN 20 | |
| BRW E(P) | 10 23 54.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 20 | |
| BRW E(P) | 10 58 16.7 |
| JUN 20 | |
| H-12 38 50.3 | |
| 03.4S 139.3E | |
| h ABOUT 62KM | |
| BRW EP | 12 51 21.3 |
| COL EP | 12 51 23.0 |
| JUN 20 | |
| GUA IP | 13 06 58.0 |
| IS | 07 14.0 |
| JUN 20 | |
| EUR IP | 15 18 56.7 |
| IS | 19 17.1 |
| JUN 20 | |
| H-16 31 20.0 | |
| 13.3N 050.3E | |
| h ABOUT 35KM | |
| BRW E(P) | 16 44 34.5 |
| EUR EP' | 16 50 20.6 |
| JUN 20 | |
| H-17 23 56.8 | |
| 43.1N 126.0W | |
| h ABOUT 33KM | |
| EUR EP | 17 26 00.5 |
| HHM EP | 17 26 19.3 |
| BOZ IP | 17 26 30.5 |
| E | 30 00.0 |
| BCN EP | 17 26 39.2 |
| ALQ IP | 17 27 57.0 |
| TUC E(P) | 17 27 43.3 |
| BRW EP | 17 30 22.8 |
| JUN 20 | |
| H-18 04 37.3 | |
| 42.9N 126.1W | |
| h ABOUT 33KM | |
| UKI E(P) | 18 05 41.0 |
| EUR IP | 18 06 40.0 |
| HHM EP | 18 07 00.0 |
| BUT EP D | 18 07 02.4 |
| EL | 10 12.0 |
| BOZ IP | 18 07 12.0 |
| I | 07 26.5 |
| EL | 10 00.0 |
| SLC IP | 18 07 14.0 |
| BCN EP | 18 07 18.5 |
| EL | 11 31.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| TUC IP C | 18 08 24.0 |
| E | 08 29.2 |
| E | 11 48.0 |
| RCD EP | 18 08 29.0 |
| E | 08 36.0 |
| ALQ IP | 18 08 37.8 |
| COL EP | 18 09 59.0 |
| BRW IP | 18 11 02.5 |
| I | 11 07.6 |
| CSC IP | 18 11 37.8 |
| E | 11 48.0 |
| WSC EP | 18 11 43.3 |
| E | 12 13.9 |
| SJG EP | 18 14 14.5 |
| E | 14 19.8 |
| JUN 20 | |
| H-19 16 20.9 | |
| 25.4N 109.4W | |
| h ABOUT 33KM | |
| TUC E(P) | 19 18 01.8 |
| E(L) | 20 10.0 |
| ALQ IP | 19 18 45.2 |
| IL | 21 45.0 |
| BCN EP | 19 19 08.0 |
| EUR IP | 19 19 55.8 |
| SLC EP | 19 20 01.6 |
| RCD EP | 19 20 47.0 |
| EL | 26 30.0 |
| HHM E(P) | 19 21 22.0 |
| CSC E(P) | 19 21 48.0 |
| COL EP | 19 24 45.0 |
| JUN 20 | |
| H-19 17 59.9 | |
| 43.2N 126.1W | |
| h ABOUT 33KM | |
| HHM EP | 19 20 22.0 |
| BOZ EP | 19 20 34.0 |
| I | 21 00.0 |
| JUN 20 | |
| H-19 47 00.3 | |
| 44.6N 149.2E | |
| h ABOUT 33KM | |
| COL EP | 19 54 30.0 |
| HHM E(P) | 19 57 21.0 |
| EUR IP | 19 57 50.2 |
| TUC EP | 19 58 37.3 |
| E | 58 51.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 20 | |
| BOZ IP | 21 32 51.0 |
| IL | 33 06.0 |
| BUT EP | 21 32 54.0 |
| IL | 33 10.6 |
| JUN 20 | |
| COL EP | 21 46 07.0 |
| JUN 20 | |
| H-21 51 46.9 | |
| 52.2N 158.7E | |
| h ABOUT 45KM | |
| COL EP | 21 57 49.0 |
| EUR IP | 22 01 34.2 |
| TUC EP | 22 02 27.8 |
| ALQ IP | 22 02 31.5 |
| E | 02 48.0 |
| JUN 20 | |
| EUR IP | 21 53 22.0 |
| JUN 20 | |
| COL EP | 23 42 00.0 |
| JUN 20 | |
| COL EP | 23 49 59.2 |
| JUN 21 | |
| H-00 02 07.0 | |
| 23.7N 109.3W | |
| h ABOUT 33KM | |
| EUR E(P) | 00 06 05.0 |
| JUN 21 | |
| H-00 21 16.1 | |
| 28.1N 055.9E | |
| h ABOUT 40KM | |
| BRW IP | 00 33 13.6 |
| I | 33 33.1 |
| E | 35 57.9 |
| COL IP | 00 33 50.5 |
| EPKKP | 51 54.4 |
| HHM EP | 00 35 14.7 |
| E | 38 09.0 |
| E(PP) | 39 32.2 |
| EUR EP | 00 36 02.0 |
| EP' | 39 32.8 |
| IPKKP | 50 41.0 |
| TUC EP' | 00 40 02.7 |
| E | 41 18.0 |
| EPKKP | 50 17.0 |
| JUN 21 | |
| H-01 23 50.3 | |
| 08.0N 076.7W | |
| h ABOUT 33KM | |
| BHP IP | 01 24 36.0 |
| ALQ EP | 01 31 08.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 21 | |
| H-01 30 38.9 | |
| 28.4N 055.8E | |
| h ABOUT 59KM | |
| COL EP | 01 43 10.0 |
| JUN 21 | |
| COL E(P) | 02 22 02.7 |
| JUN 21 | |
| TUC E(P) | 03 15 33.2 |
| JUN 21 | |
| TUC E(P) | 04 04 28.2 |
| JUN 21 | |
| COL IP | 06 30 07.3 |
| JUN 21 | |
| COL E(P) | 08 07 44.0 |
| JUN 21 | |
| BOZ EP | 08 24 26.5 |
| IS | 24 40.0 |
| BUT E(P) | 08 24 37.5 |
| IL | 25 03.5 |
| HHM E(P) | 08 25 12.0 |
| E | 26 26.5 |
| JUN 21 | |
| COL E(P) | 08 30 40.7 |
| JUN 21 | |
| COL EP | 09 02 31.0 |
| JUN 21 | |
| H-09 27 54.1 | |
| 06.8N 073.0W | |
| h ABOUT 169KM | |
| SJG EP | 09 30 54.5 |
| ES | 33 10.0 |
| TUC EP | 09 35 42.4 |
| EUR IP | 09 36 37.7 |
| JUN 21 | |
| COL EP | 09 59 34.7 |
| JUN 21 | |
| COL EP | 10 18 36.0 |
| JUN 21 | |
| COL IP | 10 19 12.9 |
| JUN 21 | |
| EUR IP | 10 46 18.2 |
| IL | 46 58.9 |
| JUN 21 | |
| H-10 46 37.7 | |
| 03.7S 077.8W | |
| h ABOUT 19KM | |
| TUC EP | 10 55 14.0 |
| E | 55 19.5 |
| EUR IP | 10 56 13.9 |
| BOZ EP | 10 56 28.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| HHM EP | 10 56 49.5 |
| COL EP | 10 59 12.8 |
| JUN 21 | |
| ALQ E(P) | 10 54 38.5 |
| E | 55 09.2 |
| JUN 21 | |
| TUC E(P) | 10 56 24.0 |
| E(L) | 57 38.0 |
| JUN 21 | |
| H-11 12 02.1 | |
| 03.9S 035.1E | |
| h ABOUT 24KM | |
| BOZ EP' | 11 31 13.0 |
| I | 31 21.0 |
| TUC EP' | 11 31 28.0 |
| JUN 21 | |
| COL EP | 11 28 55.0 |
| JUN 21 | |
| COL EP | 11 55 48.5 |
| JUN 21 | |
| TUC E(P) | 12 06 55.4 |
| JUN 21 | |
| COL EP | 12 10 48.5 |
| JUN 21 | |
| H-12 08 10.2 | |
| 53.4N 160.0E | |
| h ABOUT 033KM | |
| COL E(P) | 12 14 03.0 |
| EUR IP | 12 17 49.5 |
| JUN 21 | |
| COL EP | 12 55 36.7 |
| JUN 21 | |
| H-13 20 33.5 | |
| 07.2N 034.7W | |
| h ABOUT 33KM | |
| TUC E(P) | 13 32 10.0 |
| HHM E(P) | 13 32 29.0 |
| BCN EP | 13 32 31.5 |
| E | 32 51.5 |
| BOZ E(P) | 13 32 32.0 |
| EUR EP | 13 32 36.2 |
| JUN 21 | |
| HHM E(P) | 14 09 44.0 |
| JUN 21 | |
| COL EP | 14 10 45.2 |
| JUN 21 | |
| HHM E(P) | 14 21 25.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 21 | |
| H-17 58 28.3 | |
| 50.4N 178.2E | |
| h ABOUT 33KM | |
| EUR E(P) | 18 06 54.0 |
| JUN 21 | |
| BOZ EP | 18 04 47.4 |
| JUN 21 | |
| HHM EP | 18 05 55.0 |
| JUN 21 | |
| EUR IP | 19 16 12.5 |
| IL | 16 48.5 |
| JUN 21 | |
| H-19 16 43.3 | |
| 23.3S 179.6E | |
| h ABOUT 567KM | |
| TUC EP | 19 28 27.6 |
| JUN 21 | |
| HHM E(P) | 20 30 41.7 |
| JUN 21 | |
| HHM E(P) | 21 19 42.2 |
| JUN 21 | |
| EUR IP | 21 57 41.7 |
| JUN 21 | |
| HHM E(P) | 22 11 52.2 |
| E | 12 22.0 |
| JUN 21 | |
| H-22 12 52.6 | |
| 50.2N 178.0E | |
| h ABOUT 25KM | |
| COL EP | 22 17 56.0 |
| BRW EP | 22 18 07.6 |
| HHM EP | 22 20 52.4 |
| BOZ IP | 22 21 14.5 |
| EUR IP | 22 21 21.2 |
| TUC EP | 22 22 19.2 |
| E | 22 27.2 |
| JUN 21 | |
| HHM E(P) | 22 52 15.2 |
| JUN 21 | |
| COL EP | 23 44 37.4 |
| JUN 21 | |
| COL I(P) | 23 45 39.0 |
| JUN 22 | |
| H-00 54 19.9 | |
| .1S 124.5E | |
| h ABOUT 33KM | |
| BRW EP | 01 07 02.0 |
| COL EP | 01 07 12.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 22 | |
| BRW E(P) | 01 13 31.3 |
| COL EP | 01 14 13.0 |
| JUN 22 | |
| HHM E(P) | 01 23 55.0 |
| JUN 22 | |
| SJG IP | 02 05 35.0 |
| IL | 06 10.0 |
| JUN 22 | |
| BOZ EP | 02 53 57.5 |
| IL | 54 09.0 |
| JUN 22 | |
| TUC E(P) | 04 13 06.9 |
| JUN 22 | |
| BRW EP | 04 15 52.0 |
| JUN 22 | |
| H-04 19 54.7 | |
| 00.6N 125.4E | |
| h ABOUT 41KM | |
| BRW EP | 04 32 30.6 |
| JUN 22 | |
| TUC E(P) | 04 30 12.0 |
| JUN 22 | |
| H-05 49 27.7 | |
| 36.2N 077.6E | |
| h ABOUT 107KM | |
| BRW E(P) | 06 00 04.8 |
| COL EP | 06 00 48.0 |
| IPCP | 00 59.0 |
| IpP | 01 15.3 |
| IsP | 01 26.6 |
| BOZ E(P) | 06 02 55.0 |
| JUN 22 | |
| GUA IP | 06 37 48.0 |
| JUN 22 | |
| GUA IP | 06 37 48.1 |
| E | 38 04.0 |
| E | 38 52.0 |
| JUN 22 | |
| HHM E(P) | 07 02 45.0 |
| JUN 22 | |
| HHM E(P) | 07 09 11.0 |
| JUN 22 | |
| TUC E(P) | 09 08 27.6 |
| JUN 22 | |
| HHM E(P) | 10 23 55.0 |
| JUN 22 | |
| ALQ IP | 12 04 25.2 |
| BOZ EP | 12 05 42.0 |
| E | 06 04.0 |
| JUN 22 | |
| EUR E(P) | 12 10 15.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 22 | |
| TUC E(P) | 12 51 10.5 |
| JUN 22 | |
| GUA E(P) | 13 23 11.0 |
| E(S) | 28 05.0 |
| JUN 22 | |
| H-13 13 15.9 | |
| 20.9S 173.7E | |
| h ABOUT 033KM | |
| EUR IP | 13 26 13.1 |
| TUC E(P) | 13 26 14.0 |
| COL EP | 13 26 15.0 |
| JUN 22 | |
| TUC E(P) | 13 42 51.3 |
| JUN 22 | |
| TUC E(P) | 14 13 25.0 |
| COL EP | 14 18 17.0 |
| JUN 22 | |
| H-14 19 50.9 | |
| 18.4S 069.3W | |
| h ABOUT 122KM | |
| ALQ IP | 14 30 11.5 |
| TUC E(P) | 14 30 13.7 |
| BCN EP | 14 30 47.0 |
| BOZ IP | 14 31 18.0 |
| HHM IP | 14 31 35.5 |
| JUN 22 | |
| EUR IP | 14 30 30.8 |
| ES | 30 51.3 |
| JUN 22 | |
| BUT E(P) | 16 02 53.0 |
| JUN 22 | |
| HHM E(P) | 17 08 05.5 |
| JUN 22 | |
| COL E(P) | 18 25 26.7 |
| JUN 22 | |
| H-21 13 24.5 | |
| 02.3S 138.7E | |
| h ABOUT 033KM | |
| COL EP | 21 25 56.0 |
| JUN 22 | |
| HHM EP | 21 41 24.5 |
| JUN 22 | |
| H-22 06 32.9 | |
| 02.3S 141.7E | |
| h ABOUT 033KM | |
| COL EP | 22 18 59.0 |
| SJG EP' | 22 26 17.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 22 | |
| HHM E(P) | 22 35 12.5 |
| EL | 35 48.3 |
| JUN 22 | |
| H-23 48 07.0 | |
| 07.2N 123.5E | |
| h ABOUT 56KM | |
| GUA EP | 23 52 58.2 |
| COL EP | 24 00 26.0 |
| BUT E(P) | 24 02 22.0 |
| EUR E(P) | 24 02 29.2 |
| E | 06 31.0 |
| EPP | 07 00.0 |
| EPKKP | 17 40.0 |
| EPKKP | 18 00.0 |
| TUC EP' | 24 06 44.0 |
| E | 08 34.5 |
| ALQ EP' | 24 06 48.0 |
| SJG IP' | 24 08 03.2 |
| SLC EPKKP | 24 17 37.2 |
| JUN 23 | |
| H-00 28 04.4 | |
| 24.0S 065.9W | |
| h ABOUT 33KM | |
| TUC E(P) | 00 39 17.2 |
| EUR IP | 00 40 05.2 |
| JUN 23 | |
| TUC E(P) | 00 51 16.0 |
| JUN 23 | |
| TUC E(P) | 01 14 50.1 |
| JUN 23 | |
| COL EP | 04 57 38.0 |
| JUN 23 | |
| H-06 59 02.7 | |
| 14.8S 167.7E | |
| h ABOUT 049KM | |
| EUR EP | 07 11 54.5 |
| JUN 23 | |
| H-07 37 46.0 | |
| 11.4N 087.8W | |
| h ABOUT 24KM | |
| SJG IP | 07 42 40.5 |
| ALQ EP | 07 43 47.0 |
| TUC EP | 07 43 51.5 |
| E | 43 58.0 |
| BCN EP | 07 44 37.2 |
| EpP | 44 44.5 |
| EsP | 44 49.0 |
| EUR EP | 07 45 01.5 |
| BOZ IP | 07 45 18.8 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| HHM | EP | 07 45 43.5 |
| | E | 46 11.7 |
| COL | EP | 07 48 39.0 |
| | E▸P | 48 47.0 |
| | EPCP | 49 06.7 |
| | E▸PCP | 49 14.5 |
| JUN 23 | | |
| H-08 49 21.7 | | |
| 51.0N 160.7E | | |
| h ABOUT 35KM | | |
| COL | IP | 08 55 25.6 |
| | E▸P | 55 36.0 |
| BOZ | EP | 08 58 54.0 |
| EUR | IP | 08 59 05.6 |
| | I▸P | 59 16.0 |
| BCN | EP | 08 59 26.8 |
| | E▸P | 59 37.2 |
| JUN 23 | | |
| TUC | E(P) | 10 12 05.1 |
| JUN 23 | | |
| RCD | E(P) | 10 13 26.5 |
| JUN 23 | | |
| H-10 59 11.5 | | |
| 32.5S 178.7W | | |
| h ABOUT 23KM | | |
| BCN | EP | 11 12 15.0 |
| | E | 12 21.7 |
| TUC | EP | 11 12 15.6 |
| EUR | IP | 11 12 20.9 |
| JUN 23 | | |
| H-11 09 15.7 | | |
| 56.5N 152.8W | | |
| h ABOUT 33KM | | |
| COL | E(P) | 11 11 18.0 |
| | I | 11 19.1 |
| SIT | E(P) | 11 11 36.0 |
| HHM | EP | 11 14 35.2 |
| | ES | 18 49.2 |
| | EL | 21 50.5 |
| UKI | EP | 11 14 50.3 |
| BUT | EP | 11 14 54.8 |
| BOZ | EP | 11 15 02.0 |
| | IL | 21 32.0 |
| EUR | IP D | 11 15 18.8 |
| | IS | 22 03.5 |
| SLC | E(P) | 11 15 29.7 |
| | I | 15 32.7 |
| BCN | EP D | 11 15 47.8 |
| RCD | EP | 11 15 52.0 |
| | E | 16 09.0 |
| HON | IP | 11 16 08.7 |
| | IS | 21 48.0 |
| KIP | IP | 11 16 09.5 |
| | E | 18 05.5 |
| | ES | 21 48.0 |
| TUC | EP | 11 16 28.7 |
| | E | 16 34.0 |
| | E | 18 01.0 |
| | ES | 22 26.0 |
| ALQ | IP | 11 16 31.2 |
| | E | 18 57.5 |
| | IS | 22 34.5 |
| WSC | EP | 11 18 14.8 |
| | E | 18 24.7 |
| | ES | 25 33.2 |
| WAS | EP | 11 18 18.0 |
| | E | 18 26.0 |
| | ES | 25 32.0 |
| PHI | EP | 11 18 23.0 |
| | IS | 25 40.4 |
| CSC | E(P) | 11 18 26.0 |
| | E | 18 36.0 |
| | ES | 25 52.0 |
| GUA | IP | 11 19 43.0 |
| | ES | 28 14.0 |
| SJG | EP | 11 20 47.0 |
| | E | 20 54.0 |
| | ES | 30 12.0 |
| | E | 32 45.0 |
| | EL | 39 00.0 |
| JUN 23 | | |
| H-11 24 18.4 | | |
| 08.9S 123.8E | | |
| h ABOUT 59KM | | |
| EUR | EP' | 11 43 02.1 |
| TUC | EP' | 11 43 13.0 |
| CSC | EP' | 11 43 52.0 |
| | E | 44 19.0 |
| JUN 23 | | |
| COL | EP | 11 39 06.0 |
| JUN 23 | | |
| EUR | E(P) | 11 53 50.1 |
| JUN 23 | | |
| H-12 02 47.2 | | |
| 56.8N 152.6W | | |
| h ABOUT 33KM | | |
| COL | EP | 12 04 50.0 |
| HHM | E(P) | 12 08 07.2 |
| BCN | EP | 12 09 19.5 |
| | E | 09 29.0 |
| | E | 09 39.0 |
| JUN 23 | | |
| H-12 23 23.9 | | |
| 56.5N 152.7W | | |
| h ABOUT 33KM | | |
| COL | E(P) | 12 25 26.0 |
| SIT | E(P) | 12 25 40.2 |
| HHM | EP | 12 28 43.0 |
| | EPCP | 32 24.8 |
| BUT | E(P) | 12 28 59.0 |
| BOZ | EP | 12 29 10.0 |
| | EPCP | 32 33.0 |
| EUR | IP | 12 29 26.9 |
| | IPCP | 32 38.0 |
| BCN | EP | 12 29 56.0 |
| | E | 30 02.5 |
| RCD | EP | 12 29 58.0 |
| KIP | E(P) | 12 30 20.0 |
| | E | 46 27.2 |
| | E(T) | 13 07 06.3 |
| TUC | EP | 12 30 38.0 |
| CSC | E(P) | 12 32 40.0 |
| HON | ET | 13 07 07.9 |
| JUN 23 | | |
| H-12 41 42.0 | | |
| 56.4N 155.4W | | |
| h ABOUT 33KM | | |
| COL | EP | 12 43 57.0 |
| JUN 23 | | |
| COL | E(P) | 13 41 02.5 |
| JUN 23 | | |
| H-13 44 56.1 | | |
| 17.9S 178.6W | | |
| h ABOUT 593KM | | |
| TUC | E(P) | 13 56 16.0 |
| EUR | IP | 13 56 14.0 |
| COL | EP | 13 56 32.8 |
| JUN 23 | | |
| TUC | E(P) | 13 51 14.3 |
| JUN 23 | | |
| H-14 05 52.7 | | |
| 43.9N 149.5E | | |
| h ABOUT 33KM | | |
| COL | EP | 14 13 25.0 |
| BOZ | EP | 14 16 35.5 |
| | E | 16 52.0 |
| EUR | IP | 14 16 43.6 |
| JUN 23 | | |
| H-14 22 44.9 | | |
| 56.4N 152.8W | | |
| h ABOUT 47KM | | |
| COL | E(P) | 14 24 47.0 |
| HHM | E(P) | 14 28 03.4 |
| EUR | EP | 14 28 46.5 |
| JUN 23 | | |
| COL | EP | 14 44 53.5 |
| JUN 23 | | |
| COL | E(P) | 15 03 37.7 |
| JUN 23 | | |
| H-16 09 01.0 | | |
| 4.2S 135.2E | | |
| h ABOUT 33KM | | |
| GUA | EP | 16 13 36.0 |
| | ES | 17 22.0 |
| COL | EP | 16 21 50.0 |
| JUN 23 | | |
| BCN | EP | 16 18 17.5 |
| | E | 18 28.0 |
| | I(S) | 18 59.3 |
| | IL | 19 14.5 |
| EUR | EP | 16 18 39.0 |
| TUC | E(P) | 16 19 08.5 |
| JUN 23 | | |
| BCN | E(P) | 16 50 48.3 |
| | IL | 51 27.8 |
| JUN 23 | | |
| COL | EP | 17 13 11.6 |
| JUN 23 | | |
| COL | EP | 18 17 07.0 |
| JUN 23 | | |
| TUC | E(P) | 20 25 31.2 |
| JUN 23 | | |
| COL | EP | 21 16 28.0 |
| JUN 23 | | |
| COL | EP | 21 25 18.0 |
| JUN 23 | | |
| EUR | IP | 23 19 16.1 |
| JUN 24 | | |
| H-01 45 50.7 | | |
| 58.7N 151.4W | | |
| h ABOUT 33KM | | |
| COL | IP | 01 47 28.1 |
| JUN 24 | | |
| COL | EP | 03 15 25.0 |
| JUN 24 | | |
| H-03 17 42.9 | | |
| 50.3N 177.3E | | |
| h ABOUT 7KM | | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL EP | 03 22 53.0 |
| HHM E(P) | 03 25 53.6 |
| BOZ EP | 03 26 08.0 |
| EUR IP | 03 26 17.0 |
| TUC EP | 03 27 15.0 |
| E | 27 24.3 |
| ALQ E(P) | 03 27 23.2 |
| JUN 24 | |
| H-03 29 45.0 | |
| 18.2S 069.7W | |
| h ABOUT 72KM | |
| SJG IP D | 03 36 41.5 |
| ES | 42 11.7 |
| ALQ IP | 03 40 08.4 |
| TUC EP | 03 40 10.2 |
| BCN EP | 03 40 44.3 |
| EUR IP | 03 41 02.7 |
| BOZ IP | 03 41 15.5 |
| HHM EP | 03 41 33.0 |
| JUN 24 | |
| H-03 45 43.0 | |
| 17.0N 099.6W | |
| h ABOUT 51KM | |
| TUC IP C | 03 49 53.7 |
| E | 50 02.2 |
| E(L) | 55 12.0 |
| ALQ IP | 03 50 00.8 |
| E | 50 07.2 |
| BCN EP | 03 50 48.0 |
| E | 50 56.0 |
| EL | 58 10.0 |
| CSC IP | 03 50 52.5 |
| E | 55 20.0 |
| EUR IP C | 03 51 18.3 |
| EL | 59 55.0 |
| WSC EP | 03 51 43.2 |
| E | 51 50.6 |
| BOZ EP | 03 51 50.9 |
| HHM EP | 03 52 18.1 |
| COL IP | 03 55 29.2 |
| JUN 24 | |
| EUR IP | 03 59 56.8 |
| JUN 24 | |
| H-04 48 59.3 | |
| 35.4N 135.4E | |
| h ABOUT 356KM | |
| GUA E(P) | 04 53 40.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL IP | 04 57 41.9 |
| IpP | 59 04.8 |
| BOZ IP | 05 00 27.6 |
| EpP | 01 48.5 |
| EsP | 02 25.0 |
| EPP | 03 35.0 |
| EUR IP | 05 00 35.0 |
| IpP | 01 57.8 |
| EPP | 03 43.5 |
| BCN EP | 05 00 50.5 |
| TUC EP | 05 01 12.5 |
| JUN 24 | |
| GUA IP | 05 08 11.0 |
| IS | 08 23.0 |
| JUN 24 | |
| H-05 51 17.5 | |
| 59.6N 157.1W | |
| h ABOUT 33KM | |
| COL EP | 05 52 58.0 |
| HHM E(P) | 05 57 05.6 |
| E | 57 31.0 |
| BOZ EP | 05 57 28.0 |
| E | 58 08.0 |
| EUR IP | 05 57 48.5 |
| TUC EP | 05 58 58.0 |
| ALQ E(P) | 05 58 58.2 |
| JUN 24 | |
| H-07 37 17.4 | |
| 50.9N 177.3E | |
| h ABOUT 33KM | |
| COL E(P) | 07 42 18.7 |
| BOZ E(P) | 07 45 37.0 |
| EUR IP | 07 45 46.5 |
| JUN 24 | |
| H-07 45 13.9 | |
| 07.0N 126.2E | |
| h ABOUT 51KM | |
| GUA IP | 07 49 40.8 |
| E(S) | 53 14.0 |
| E(T) | 08 09 05.0 |
| COL EP | 07 57 28.0 |
| HHM E(P) | 07 59 13.1 |
| E | 08 02 13.6 |
| EPP | 03 33.1 |
| BUT E(P) | 07 59 22.0 |
| EUR IP | 07 59 25.0 |
| IPKKP | 08 14 55.2 |
| BOZ EP | 07 59 27.0 |
| E | 08 03 04.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| TUC EP' | 08 03 48.0 |
| IPKKP | 14 39.5 |
| ALQ EP' | 08 03 51.8 |
| WSC EP' | 08 04 19.3 |
| ESKP | 07 39.3 |
| CSC EP' | 08 04 25.0 |
| E | 04 36.0 |
| ISKP | 07 49.0 |
| SJG IP' | 08 05 00.5 |
| JUN 24 | |
| COL EP | 08 24 10.0 |
| JUN 24 | |
| COL EP | 10 00 30.0 |
| JUN 24 | |
| COL EP | 10 00 34.0 |
| JUN 24 | |
| COL EP | 10 17 20.6 |
| JUN 24 | |
| H-10 54 00.0 | |
| 28.9N 052.9E | |
| h ABOUT 97KM | |
| COL EP | 11 06 26.7 |
| JUN 24 | |
| H-10 54 45.5 | |
| 43.6N 126.9W | |
| h ABOUT 33KM | |
| HHM E(P) | 10 57 13.4 |
| BOZ EP | 10 57 25.0 |
| JUN 24 | |
| COL EP | 12 11 46.0 |
| JUN 24 | |
| COL EP | 12 30 06.0 |
| HHM E(P) | 12 32 20.0 |
| JUN 24 | |
| COL EP | 12 48 10.0 |
| JUN 24 | |
| COL E(P) | 12 51 59.5 |
| E | 52 33.6 |
| JUN 24 | |
| COL E(P) | 13 07 37.0 |
| E | 07 44.3 |
| JUN 24 | |
| H-14 08 32.4 | |
| 23.5S 176.8W | |
| h ABOUT 102KM | |
| KIP IP | 14 17 04.8 |
| IpP | 17 27.6 |
| GUA E(P) | 14 17 33.5 |
| BCN EP | 14 20 50.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| TUC EP | 14 20 52.8 |
| EpP | 21 16.7 |
| EUR IP D | 14 20 55.5 |
| IpP | 21 20.5 |
| ALQ IP | 14 21 14.6 |
| BUT EP | 14 21 23.7 |
| E | 21 46.7 |
| COL IP | 14 21 24.7 |
| BOZ IP D | 14 21 25.6 |
| EpP | 21 51.0 |
| E | 22 05.0 |
| HHM E(P) | 14 21 25.6 |
| JUN 24 | |
| COL EP | 14 13 41.0 |
| JUN 24 | |
| H-16 28 54.7 | |
| 44.2N 141.9E | |
| h ABOUT 230KM | |
| COL EP | 16 36 31.0 |
| EpP | 37 19.0 |
| JUN 24 | |
| COL E(P) | 16 30 30.1 |
| JUN 24 | |
| EUR IP | 16 39 50.7 |
| JUN 24 | |
| H-16 54 02.2 | |
| 15.5S 070.2W | |
| h ABOUT 171KM | |
| BOZ EP | 17 05 06.5 |
| JUN 24 | |
| COL EP | 17 21 13.0 |
| JUN 24 | |
| TUC E(P) | 17 43 07.9 |
| JUN 24 | |
| H-18 00 08.4 | |
| 44.4N 149.3E | |
| h ABOUT 33KM | |
| COL EP | 18 07 39.0 |
| JUN 24 | |
| H-18 21 05.3 | |
| 38.6S 073.0W | |
| h ABOUT 33KM | |
| ALQ E(P) | 18 33 10.5 |
| EUR EP | 18 33 50.0 |
| JUN 24 | |
| ALQ E(P) | 20 18 43.5 |
| JUN 24 | |
| TUC E(P) | 21 21 30.0 |
| JUN 24 | |
| HHM E(P) | 21 22 42.1 |
| EL | 23 12.6 |

| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| JUN 24 | | |
| KIP | EP | 21 40 07.3 |
| JUN 24 | | |
| TUC | E(P) | 21 53 05.8 |
| JUN 24 | | |
| COL | EP | 23 07 24.2 |
| JUN 24 | | |
| H-23 08 40.2 | | |
| 20.2N 120.6E | | |
| h ABOUT 33KM | | |
| GUA | EP | 23 13 55.0 |
| | E | 18 37.0 |
| COL | EP | 23 20 04.0 |
| HHM | E(P) | 23 22 07.0 |
| JUN 24 | | |
| TUC | E(P) | 23 23 43.3 |
| JUN 24 | | |
| HHM | E(P) | 23 52 09.4 |
| JUN 25 | | |
| H-00 18 57.7 | | |
| 39.2N 118.1W | | |
| h ABOUT 33KM | | |
| EUR | IP C | 00 19 25.6 |
| BCN | IP C | 00 19 59.5 |
| | I | 20 11.0 |
| | IL | 21 01.5 |
| TUC | E(P) | 00 21 06.1 |
| | E | 21 43.8 |
| ALQ | EP | 00 21 25.5 |
| | E | 22 06.0 |
| | IL | 24 14.0 |
| JUN 25 | | |
| TUC | EP | 00 51 03.6 |
| JUN 25 | | |
| EUR | IP | 01 02 14.5 |
| | IL | 03 35.0 |
| JUN 25 | | |
| COL | EP | 02 27 35.0 |
| JUN 25 | | |
| EUR | IP | 03 40 24.6 |
| | IL | 40 49.1 |
| JUN 25 | | |
| TUC | EP | 05 15 06.5 |
| | E | 15 26.4 |
| | EL | 16 25.0 |
| JUN 25 | | |
| BHP | EP D | 05 16 20.0 |
| | IS | 16 57.0 |
| JUN 25 | | |
| HHM | E(P) | 06 42 12.1 |
| JUN 25 | | |
| H-07 47 26.8 | | |
| 59.6N 144.6W | | |
| h ABOUT 31KM | | |
| COL | IP | 07 48 49.6 |
| HHM | EP | 07 52 11.3 |
| BOZ | EP | 07 52 41.0 |
| EUR | EP | 07 53 08.0 |
| JUN 25 | | |
| TUC | E(P) | 07 58 37.2 |
| JUN 25 | | |
| BOZ | EP | 08 06 09.0 |
| EUR | EP | 08 06 09.6 |
| JUN 25 | | |
| EUR | IP | 08 09 26.6 |
| JUN 25 | | |
| H-09 21 16.7 | | |
| 1.5N 099.3E | | |
| h ABOUT 197KM | | |
| EUR | EP | 09 40 06.2 |
| JUN 25 | | |
| ALQ | IP | 09 43 43.0 |
| JUN 25 | | |
| COL | EP | 10 03 23.0 |
| JUN 25 | | |
| EUR | EP | 11 58 41.9 |
| JUN 25 | | |
| H-12 50 29.9 | | |
| 09.6N 126.3E | | |
| h ABOUT 73KM | | |
| COL | EP | 13 02 30.0 |
| JUN 25 | | |
| COL | E(P) | 12 51 51.1 |
| JUN 25 | | |
| EUR | EP | 13 22 44.0 |
| | IL | 23 41.2 |
| JUN 25 | | |
| TUC | E(P) | 15 20 31.2 |
| JUN 25 | | |
| COL | EP | 15 46 54.8 |
| JUN 25 | | |
| COL | EP | 16 21 20.7 |
| JUN 25 | | |
| H-17 55 23.6 | | |
| 64.0N 146.4W | | |
| h ABOUT 33KM | | |
| COL | IP | 17 55 41.9 |
| BRW | EP | 17 57 23.7 |
| JUN 25 | | |
| HHM | E(P) | 18 13 26.6 |
| | E | 13 31.5 |
| JUN 25 | | |
| COL | E(P) | 18 35 13.5 |
| JUN 25 | | |
| EUR | EP | 19 19 22.6 |
| | ES | 19 44.2 |
| JUN 25 | | |
| BUT | E(P) | 19 36 56.2 |
| JUN 25 | | |
| TUC | E(P) | 20 15 01.0 |
| JUN 25 | | |
| H-20 27 02.8 | | |
| 37.0S 095.9W | | |
| h ABOUT 33KM | | |
| SJG | EP | 20 37 15.5 |
| TUC | E(P) | 20 38 14.0 |
| BCN | EP | 20 38 41.8 |
| EUR | IP | 20 39 01.8 |
| BOZ | EP | 20 39 29.0 |
| HHM | EP | 20 39 44.0 |
| JUN 25 | | |
| COL | EP | 21 19 30.0 |
| JUN 25 | | |
| H-21 43 31.8 | | |
| 35.8N 140.9E | | |
| h ABOUT 65KM | | |
| BRW | EP | 21 52 04.1 |
| | E | 52 34.2 |
| COL | EP | 21 52 24.0 |
| HHM | E(P) | 21 54 51.7 |
| BOZ | EP | 21 55 14.0 |
| EUR | IP | 21 55 19.6 |
| JUN 25 | | |
| TUC | E(P) | 21 46 40.6 |
| JUN 25 | | |
| COL | EP | 21 55 24.0 |
| JUN 25 | | |
| EUR | IP | 22 11 51.5 |
| JUN 25 | | |
| BCN | EP | 22 23 07.0 |
| JUN 25 | | |
| BUT | IP | 22 51 44.7 |
| JUN 25 | | |
| HHM | E(P) | 22 52 31.1 |
| | E | 53 06.1 |
| JUN 25 | | |
| TUC | E(P) | 23 33 17.6 |
| JUN 26 | | |
| TUC | E(P) | 00 45 47.7 |
| JUN 26 | | |
| KIP | E(P) | 03 14 12.7 |
| JUN 26 | | |
| HHM | EP | 03 28 38.6 |
| JUN 26 | | |
| H-03 35 12.4 | | |
| 29.0S 069.8W | | |
| h ABOUT 119KM | | |
| EUR | IP | 03 47 13.6 |
| HHM | EP | 03 47 43.3 |
| JUN 26 | | |
| HHM | EP | 04 52 22.6 |
| JUN 26 | | |
| H-05 55 11.4 | | |
| 9.1S 072.9W | | |
| h ABOUT 44KM | | |
| SJG | E(P) | 06 01 09.5 |
| EUR | EP | 06 05 34.7 |
| HHM | EP | 06 06 06.5 |
| COL | E(P) | 06 08 16.4 |
| JUN 26 | | |
| HHM | E(P) | 06 08 54.1 |
| JUN 26 | | |
| COL | EP | 06 35 10.0 |
| JUN 26 | | |
| TUC | E(P) | 06 47 21.4 |
| JUN 26 | | |
| COL | EP | 08 51 40.0 |
| JUN 26 | | |
| H-09 21 49.1 | | |
| 33.6S 071.6W | | |
| h ABOUT 78KM | | |
| EUR | E(P) | 09 34 09.5 |
| JUN 26 | | |
| BUT | E(P) | 10 05 10.7 |
| JUN 26 | | |
| HHM | E(P) | 11 27 33.1 |
| JUN 26 | | |
| H-16 47 51.5 | | |
| 29.8N 130.4E | | |
| h ABOUT 43KM | | |
| GUA | EP | 16 52 32.0 |
| COL | EP | 16 57 57.0 |
| HHM | EP | 17 00 16.4 |
| | E | 00 35.1 |
| BUT | E(P) | 17 00 26.7 |
| BOZ | EP | 17 00 32.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR IP | 17 00 37.5 |
| TUC E(P) | 17 01 14.0 |
| JUN 26 | |
| EUR E(P) | 16 49 06.5 |
| JUN 26 | |
| HHM IP | 17 03 17.6 |
| JUN 26 | |
| ALQ IP | 17 44 11.2 |
| JUN 26 | |
| SJP IP | 17 56 20.0 |
| JUN 26 | |
| TUC E(P) | 18 06 41.9 |
| JUN 26 | |
| SJG IP | 19 51 40.5 |
| IS | 51 55.0 |
| JUN 26 | |
| KIP EP | 20 21 01.2 |
| JUN 26 | |
| H-20 31 06.4 | |
| 8.0N 141.5E | |
| h ABOUT 33KM | |
| GUA E(P) | 20 32 35.2 |
| E(S) | 33 38.0 |
| BRW E(P) | 20 42 40.4 |
| COL EP | 20 42 43.0 |
| JUN 26 | |
| TUC E(P) | 20 57 47.4 |
| JUN 26 | |
| H-21 26 19.8 | |
| 51.6N 172.1E | |
| h ABOUT 30KM | |
| BRW EP | 21 31 34.8 |
| E | 31 52.9 |
| COL IP | 21 31 36.0 |
| BOZ EP | 21 35 02.5 |
| EUR EP | 21 35 12.3 |
| I | 35 22.4 |
| TUC E(P) | 21 36 09.4 |
| E | 36 20.7 |
| JUN 26 | |
| COL EP | 21 53 26.3 |
| JUN 26 | |
| TUC E(P) | 21 53 34.5 |
| JUN 26 | |
| HHM E(P) | 21 56 06.1 |
| JUN 26 | |
| H-22 01 21.1 | |
| 9.2N 093.8E | |
| h ABOUT 33KM | |
| TUC EP' | 22 20 34.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 26 | |
| EUR IP | 22 02 25.5 |
| JUN 26 | |
| H-22 14 36.5 | |
| 51.4N 178.6W | |
| h ABOUT 43KM | |
| COL EP | 22 19 16.0 |
| BRW EP | 22 19 32.2 |
| HHM EP | 22 22 13.1 |
| BOZ IP | 22 22 35.9 |
| EUR IP | 22 22 44.0 |
| JUN 26 | |
| KIP E(P) | 22 56 33.1 |
| JUN 26 | |
| H-23 13 42.4 | |
| 62.8N 149.1W | |
| h ABOUT 75KM | |
| COL IP | 23 14 20.0 |
| BRW EP | 23 15 52.9 |
| HHM IP | 23 18 53.3 |
| BOZ IP | 23 19 22.0 |
| EUR IP | 23 19 51.6 |
| TUC EP | 23 21 03.0 |
| JUN 26 | |
| COL E(P) | 00 00 31.4 |
| JUN 27 | |
| H-00 55 10.6 | |
| 33.4S 178.9W | |
| h ABOUT 33KM | |
| TUC E(P) | 01 08 16.4 |
| EUR IP | 01 08 22.8 |
| COL EP | 01 08 58.0 |
| JUN 27 | |
| H-01 04 29.0 | |
| 09.0N 094.0E | |
| h ABOUT 49KM | |
| BRW IP | 01 17 14.1 |
| I | 17 22.5 |
| COL EP | 01 17 40.8 |
| BOZ EP' | 01 23 18.9 |
| EUR EP' | 01 23 25.9 |
| JUN 27 | |
| H-03 03 58.0 | |
| 18.8N 108.1W | |
| h ABOUT 13KM | |
| BCN EP | 03 08 12.0 |
| EUR E(P) | 03 08 50.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 27 | |
| H-03 54 14.5 | |
| 02.7N 127.9E | |
| h ABOUT 193KM | |
| COL E(P) | 04 06 30.3 |
| JUN 27 | |
| HHM E(P) | 05 56 21.9 |
| JUN 27 | |
| EUR E(P) | 06 30 29.9 |
| JUN 27 | |
| H-07 24 30.6 | |
| 29.6N 138.3E | |
| h ABOUT 476KM | |
| GUA I(P) | 07 28 04.0 |
| EUR IP | 07 36 04.7 |
| JUN 27 | |
| H-08 09 51.4 | |
| 01.9S 152.6E | |
| h ABOUT 33KM | |
| COL EP | 08 21 56.5 |
| EUR E(P) | 08 23 05.0 |
| JUN 27 | |
| HHM E(P) | 08 44 39.3 |
| JUN 27 | |
| COL EP | 09 22 10.0 |
| JUN 27 | |
| COL IP | 09 39 42.5 |
| KIP EP | 09 43 46.0 |
| JUN 27 | |
| H-09 45 48.7 | |
| 54.7S 005.2E | |
| h ABOUT 33KM | |
| ALQ IP' | 10 04 54.8 |
| TUC EP' | 10 04 56.2 |
| BCN EP' | 10 05 06.4 |
| EUR IP' | 10 05 08.8 |
| IPP | 08 06.0 |
| BOZ IP' | 10 05 14.1 |
| EPP | 08 16.0 |
| HHM EP' | 10 05 15.1 |
| ESKP | 08 38.1 |
| KIP EP' | 10 05 21.6 |
| I | 05 29.0 |
| COL EP' | 10 05 42.0 |
| IP' | 06 35.5 |
| ISKP | 08 51.0 |
| EPP | 10 19.5 |
| JUN 27 | |
| COL E(P) | 09 56 44.6 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 27 | |
| BOZ EP | 10 21 10.0 |
| EUR EP | 10 21 16.0 |
| JUN 27 | |
| COL IP | 11 05 29.4 |
| JUN 27 | |
| H-11 08 56.7 | |
| 60.3N 140.9W | |
| h ABOUT 12KM | |
| SIT EP | 11 10 01.8 |
| E | 10 14.0 |
| E(L) | 11 16.0 |
| COL EP | 11 10 20.0 |
| HHM EP | 11 13 27.5 |
| E | 17 15.0 |
| EL | 19 20.2 |
| BOZ EP | 11 14 00.0 |
| E | 18 13.0 |
| EL | 20 04.0 |
| EUR IP | 11 14 31.5 |
| SLC EP | 11 14 37.8 |
| BCN EP | 11 15 03.5 |
| ALQ EP | 11 15 40.0 |
| TUC EP | 11 15 44.4 |
| E | 15 47.9 |
| E | 15 52.7 |
| E(S) | 21 17.0 |
| CSC EP | 11 17 24.0 |
| HON EL | 11 26 08.0 |
| KIP EL | 11 26 25.0 |
| JUN 27 | |
| H-11 24 49.1 | |
| 60.3N 140.9W | |
| h ABOUT 28KM | |
| SIT EP | 11 25 51.4 |
| COL EP | 11 26 13.0 |
| EUR IP | 11 30 22.0 |
| TUC EP | 11 31 35.3 |
| E | 33 52.0 |
| JUN 27 | |
| H-11 36 08.2 | |
| 23.9N 121.6E | |
| h ABOUT 20KM | |
| GUA IP | 11 41 27.0 |
| FS | 45 27.0 |
| COL IP | 11 47 14.0 |
| KIP E(P) | 11 47 41.9 |
| EL | 12 11 10.0 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| SIT | IP | 11 48 04.0 |
| HHM | IP | 11 49 22.0 |
| BOZ | EP | 11 49 34.9 |
| EUR | EP | 11 49 41.5 |
| BCN | E(P) | 11 50 01.0 |
| | E | 50 05.0 |
| | EPP | 54 06.0 |
| HON | ES | 11 57 15.0 |
| | EL | 12 10 30.0 |
| JUN 27 | | |
| GUA | E(P) | 12 05 29.0 |
| | E(L) | 06 38.0 |
| JUN 27 | | |
| TUC | E(P) | 12 04 20.5 |
| JUN 27 | | |
| GUA | EP | 12 06 31.0 |
| | IS | 06 37.0 |
| JUN 27 | | |
| TUC | E(P) | 12 13 36.8 |
| | E(L) | 14 20.0 |
| JUN 27 | | |
| H-12 55 44.2 | | |
| 6.8N 072.9W | | |
| h ABOUT 169KM | | |
| SJG | EP | 12 58 44.0 |
| | ES | 13 01 05.0 |
| TUC | EP | 13 03 32.2 |
| EUR | EP | 13 04 27.2 |
| BOZ | EP | 13 04 32.0 |
| JUN 27 | | |
| H-13 08 28.6 | | |
| 12.6N 087.9W | | |
| h ABOUT 33KM | | |
| EUR | E(P) | 13 15 33.6 |
| BOZ | EP | 13 15 50.7 |
| JUN 27 | | |
| EUR | E(P) | 13 49 44.0 |
| JUN 27 | | |
| H-14 45 42.3 | | |
| 51.9N 176.6E | | |
| h ABOUT 50KM | | |
| COL | IP | 14 50 37.5 |
| HHM | E(P) | 14 53 40.5 |
| | EPCP | 55 28.5 |
| BOZ | E(P) | 14 54 03.0 |
| EUR | IP | 14 54 10.0 |
| TUC | E(P) | 14 55 09.3 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| JUN 27 | | |
| TUC | E(P) | 15 37 32.0 |
| JUN 27 | | |
| TUC | E(P) | 15 44 22.0 |
| JUN 27 | | |
| H-15 45 43.1 | | |
| 60.2N 140.9W | | |
| h ABOUT 33KM | | |
| SIT | EP | 15 46 45.7 |
| COL | IP | 15 47 06.8 |
| HHM | E(P) | 15 50 15.3 |
| EUR | EP | 15 51 18.1 |
| TUC | E(P) | 15 52 29.2 |
| JUN 27 | | |
| BOZ | IP | 16 37 53.0 |
| | IS | 38 05.5 |
| BZM | E(P) | 16 37 55.2 |
| BUT | EP | 16 38 06.4 |
| | ES | 38 29.4 |
| JUN 27 | | |
| H-17 09 03.4 | | |
| 02.6S 077.0W | | |
| h ABOUT 117KM | | |
| BHP | IP C | 17 11 50.0 |
| SJG | EP | 17 14 00.0 |
| ALQ | IP | 17 17 21.6 |
| | E | 17 24.2 |
| TUC | IP | 17 17 27.2 |
| | I | 17 29.5 |
| BCN | EP | 17 18 07.0 |
| EUR | EP | 17 18 26.0 |
| BOZ | IP | 17 18 39.2 |
| BUT | EP | 17 18 43.4 |
| HHM | EP | 17 19 01.0 |
| COL | EP | 17 21 23.0 |
| JUN 27 | | |
| H-17 09 22.7 | | |
| 02.8S 077.1W | | |
| h ABOUT 033KM | | |
| SJG | IP | 17 14 30.0 |
| TUC | IP | 17 17 52.8 |
| BCN | EP | 17 18 33.5 |
| EUR | IP | 17 18 55.5 |
| BOZ | IP | 17 19 10.0 |
| BUT | EP | 17 19 14.4 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| HHM | EP | 17 19 29.2 |
| COL | I(P) | 17 21 52.8 |
| | I | 21 55.9 |
| | E | 22 18.0 |
| JUN 27 | | |
| H-17 35 13.0 | | |
| 04.8N 127.4E | | |
| h ABOUT 81KM | | |
| GUA | E(P) | 17 39 34.0 |
| | E | 43 15.0 |
| JUN 27 | | |
| COL | EP | 17 58 46.8 |
| JUN 27 | | |
| TUC | E(P) | 18 26 25.3 |
| JUN 27 | | |
| H-18 42 53.2 | | |
| 34.2N 141.0E | | |
| h ABOUT 33KM | | |
| COL | EP | 18 52 03.0 |
| HHM | EP | 18 54 29.5 |
| BOZ | EP | 18 54 45.0 |
| | E | 55 13.0 |
| EUR | IP | 18 54 49.8 |
| JUN 27 | | |
| TUC | E(P) | 19 18 07.2 |
| JUN 27 | | |
| H-19 24 07.1 | | |
| 39.6N 110.4W | | |
| h ABOUT 0KM | | |
| SLC | E(P) | 19 24 36.1 |
| | E | 24 39.4 |
| EUR | E(P) | 19 25 20.5 |
| ALQ | IP | 19 25 32.8 |
| | E | 25 50.2 |
| BOZ | E(P) | 19 25 54.5 |
| TUC | E(P) | 19 26 03.6 |
| | E | 26 21.0 |
| | E(L) | 27 53.0 |
| JUN 27 | | |
| H-19 43 13.9 | | |
| 30.5N 132.5E | | |
| h ABOUT 33KM | | |
| COL | E(P) | 19 53 19.0 |
| EUR | EP | 19 55 51.1 |
| | EPP | 56 00.5 |
| JUN 27 | | |
| BOZ | IP | 20 29 46.0 |
| | I | 29 47.0 |
| EUR | E(P) | 20 59 51.0 |
| | IL | 30 45.0 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| JUN 27 | | |
| TUC | E(P) | 21 02 08.6 |
| JUN 27 | | |
| EUR | IP | 21 55 08.8 |
| JUN 27 | | |
| H-21 59 37.7 | | |
| 30.3N 132.8E | | |
| h ABOUT 27KM | | |
| GUA | E(P) | 22 04 12.0 |
| | E(S) | 07 47.0 |
| COL | EP | 22 09 35.0 |
| | EPP | 09 44.9 |
| | ESP | 09 48.5 |
| | EPCP | 10 24.7 |
| HHM | EP | 22 11 55.7 |
| BOZ | EP | 22 12 11.6 |
| | EPP | 12 21.5 |
| EUR | E(P) | 22 12 16.5 |
| | EPP | 12 26.5 |
| JUN 27 | | |
| H-22 08 32.1 | | |
| 28.2N 111.8W | | |
| h ABOUT 33KM | | |
| TUC | EP | 22 09 34.1 |
| | E | 09 50.5 |
| BCN | EP | 22 10 32.3 |
| | EL | 12 57.0 |
| ALQ | EP | 22 10 32.8 |
| | I | 12 57.8 |
| EUR | IP | 22 11 21.2 |
| | EL | 14 53.0 |
| JUN 27 | | |
| H-23 24 40.2 | | |
| 30.3N 132.7E | | |
| h ABOUT 27KM | | |
| COL | EP | 23 34 36.0 |
| EUR | E(P) | 23 37 18.8 |
| JUN 28 | | |
| H-00 16 52.1 | | |
| 61.0N 145.8W | | |
| h ABOUT 33KM | | |
| COL | IP | 00 17 52.5 |
| JUN 28 | | |
| HHM | EP | 00 50 44.0 |
| | E | 51 45.0 |
| JUN 28 | | |
| H-02 32 35.4 | | |
| 48.9N 154.9E | | |
| h ABOUT 45KM | | |
| COL | EP | 02 39 14.0 |
| EUR | EP | 02 42 46.9 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 28 | |
| H-03 33 36.3 | |
| 5.1S 153.1E | |
| h ABOUT 48KM | |
| GUA IP | 03 38 11.0 |
| IS | 41 59.0 |
| BRW IP | 03 45 58.3 |
| I | 46 17.0 |
| E | 49 47.7 |
| EUR IP | 03 46 50.0 |
| I | 47 15.0 |
| I | 47 24.5 |
| BCN EP | 03 46 54.4 |
| I | 47 19.5 |
| I | 47 29.0 |
| HHM EP | 03 46 57.2 |
| E | 47 20.5 |
| BOZ EP | 03 47 06.1 |
| TUC E(P) | 03 47 10.2 |
| ALQ EP | 03 47 27.0 |
| CSC EP' | 03 52 29.0 |
| SJG EP' | 03 52 53.5 |
| ESKP | 56 36.0 |
| JUN 28 | |
| COL EP | 03 49 49.0 |
| JUN 28 | |
| H-03 53 06.0 | |
| 5.0S 153.2E | |
| h ABOUT 20KM | |
| COL EP | 04 05 25.0 |
| JUL 28 | |
| H-03 55 47.8 | |
| 5.1S 153.2E | |
| h ABOUT 55KM | |
| EUR E(P) | 04 09 08.0 |
| JUN 28 | |
| COL EP | 04 08 21.6 |
| E | 09 05.4 |
| JUN 28 | |
| GUA EP | 04 29 28.1 |
| ES | 29 51.2 |
| JUN 28 | |
| COL EP | 04 42 59.0 |
| JUN 28 | |
| H-05 14 07.5 | |
| 49.4N 150.6E | |
| h ABOUT 33KM | |
| COL I(P) | 05 21 07.5 |
| BOZ IP | 05 24 25.5 |
| EUR IP | 05 24 36.1 |
| TUC EP | 05 25 25.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 28 | |
| H-05 57 52.2 | |
| 32.0S 179.3W | |
| h ABOUT 84KM | |
| TUC EP | 06 10 46.0 |
| EUR E(P) | 06 10 55.6 |
| JUN 28 | |
| H-06 20 11.1 | |
| 6.7N 072.9W | |
| h ABOUT 172KM | |
| SJG EP | 06 23 11.5 |
| TUC EP | 06 27 59.5 |
| EUR IP | 06 28 54.2 |
| BOZ EP | 06 28 59.0 |
| JUN 28 | |
| COL EP | 08 04 01.2 |
| JUN 28 | |
| HHM EP | 08 56 44.0 |
| JUN 28 | |
| H-09 03 56.2 | |
| 51.2N 179.1E | |
| h ABOUT 48KM | |
| COL EP | 09 08 47.0 |
| BRW EP | 09 08 57.3 |
| BOZ EP | 09 12 07.0 |
| I | 12 19.0 |
| EUR IP | 09 12 15.0 |
| TUC E(P) | 09 13 14.0 |
| JUN 28 | |
| TUC E(P) | 09 18 28.3 |
| JUN 28 | |
| COL EP | 09 29 10.4 |
| JUN 28 | |
| TUC E(P) | 09 32 04.5 |
| JUN 28 | |
| BRW I(P) | 10 01 21.3 |
| JUN 28 | |
| COL EP | 10 08 48.1 |
| JUN 28 | |
| COL EP | 10 35 08.2 |
| JUN 28 | |
| H-11 15 08.8 | |
| 37.6N 121.8W | |
| h ABOUT 6KM | |
| UKI E(P) | 11 15 45.2 |
| EUR EP | 11 16 24.9 |
| IL | 17 44.1 |
| JUN 28 | |
| TUC E(P) | 11 59 02.4 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 28 | |
| H-12 14 50.7 | |
| 27.3N 066.9E | |
| h ABOUT 41KM | |
| BRW EP | 12 26 40.9 |
| COL E(P) | 12 27 19.0 |
| JUN 28 | |
| H-14 23 33.0 | |
| 17.7S 178.8W | |
| h ABOUT 545KM | |
| EUR EP | 14 34 56.0 |
| COL EP | 14 35 13.5 |
| JUN 28 | |
| H-15 44 56.0 | |
| 23.7N 121.5E | |
| h ABOUT 52KM | |
| BRW EP | 15 55 32.3 |
| COL EP | 15 55 57.0 |
| HHM EP | 15 58 05.2 |
| JUN 28 | |
| EUR IP | 16 46 54.1 |
| JUN 28 | |
| H-17 57 41.7 | |
| 21.1S 178.9W | |
| h ABOUT 590KM | |
| BCN EP | 18 09 07.9 |
| EUR IP | 18 09 12.8 |
| TUC EP | 18 09 13.4 |
| SJG EP | 18 09 29.3 |
| COL IP | 18 09 34.0 |
| HHM EP | 18 09 40.1 |
| BOZ IP | 18 09 41.4 |
| JUN 28 | |
| TUC E(P) | 18 16 53.5 |
| JUN 28 | |
| HHM E(P) | 19 04 56.9 |
| JUN 28 | |
| EUR E(P) | 19 19 20.7 |
| JUN 28 | |
| EUR E(P) | 20 43 54.4 |
| JUN 28 | |
| HHM E(P) | 22 08 23.4 |
| JUN 28 | |
| BUT EP | 22 12 07.5 |
| JUN 28 | |
| TUC E(P) | 22 26 56.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| JUN 28 | |
| SJG EP | 22 53 29.5 |
| IL | 54 23.8 |
| JUN 28 | |
| EUR E(P) | 23 02 44.3 |
| JUN 28 | |
| EUR E(P) | 23 19 17.9 |
| JUN 28 | |
| COL EP | 23 34 36.0 |
| JUN 29 | |
| HHM EP | 00 09 13.0 |
| JUN 29 | |
| COL E(P) | 00 39 03.0 |
| JUN 29 | |
| ALQ IP | 01 11 28.0 |
| JUN 29 | |
| H-02 04 23.7 | |
| 44.7N 149.3E | |
| h ABOUT 37KM | |
| COL IP | 02 11 52.0 |
| HHM IP | 02 14 43.9 |
| BUT EP | 02 14 58.4 |
| E | 14 30.9 |
| BOZ IP | 02 15 03.5 |
| I | 15 12.0 |
| I | 15 18.0 |
| EUR IP C | 02 15 11.8 |
| BCN EP C | 02 15 30.5 |
| TUC EP | 02 15 59.9 |
| ALQ IP | 02 16 04.6 |
| JUN 29 | |
| H-02 07 18.1 | |
| 13.8S 170.6E | |
| h ABOUT 635KM | |
| COL E(P) | 02 18 45.0 |
| EUR E(P) | 02 18 56.5 |
| JUN 29 | |
| HHM E(P) | 02 12 11.0 |
| JUN 29 | |
| ALQ EP | 02 52 08.0 |
| JUN 29 | |
| H-04 05 37.8 | |
| 18.0N 094.5W | |
| h ABOUT 095KM | |
| ALQ IP | 04 10 05.5 |
| TUC EP D | 04 10 11.0 |
| BCN EP | 04 10 58.5 |
| EUR IP D | 04 11 24.9 |

| Date and Station | Phase (GCT) h m s |
|---|---|
| BOZ EP | 04 11 48.0 |
| HHM EP | 04 12 10.6 |
| COL IP | 04 15 24.5 |
| EPP | 15 28.0 |
| IPCP | 16 13.0 |
| JUN 29 | |
| H-04 27 58.3 | |
| 36.6N 012.3W | |
| h ABOUT 33KM | |
| HHM E(P) | 04 39 01.5 |
| BOZ EP | 04 39 12.5 |
| E | 39 30.0 |
| TUC E(P) | 04 39 40.0 |
| COL E(P) | 04 39 40.2 |
| EUR EP | 04 39 48.3 |
| JUN 29 | |
| H-05 09 03.3 | |
| 44.1N 149.2E | |
| h ABOUT 33KM | |
| COL EP | 05 16 35.0 |
| BOZ EP | 05 19 46.3 |
| EUR EP | 05 19 54.4 |
| TUC E(P) | 05 20 46.0 |
| E | 50 58.0 |
| ALQ E(P) | 05 20 47.4 |
| JUN 29 | |
| H-07 46 28.2 | |
| 39.6N 110.3W | |
| h ABOUT 0KM | |
| SLC IP | 07 46 59.2 |
| GCA I(P) | 07 47 18.3 |
| EUR EP | 07 47 38.0 |
| ALQ E(P) | 07 47 52.6 |
| E | 48 11.2 |
| IL | 49 30.0 |
| BOZ EP | 07 48 04.0 |
| TUC E(P) | 07 48 28.6 |
| JUN 29 | |
| H-08 23 52.5 | |
| 8.2N 103.3W | |
| h ABOUT 33KM | |
| TUC EP | 08 29 15.0 |
| EUR IP | 08 30 29.0 |
| BOZ EP | 08 31 11.5 |
| JUN 29 | |
| BOZ EP | 08 27 37.5 |
| EL | 28 10.0 |
| JUN 29 | |
| EUR E(P) | 09 53 53.0 |
| JUN 29 | |
| TUC E(P) | 10 12 31.3 |
| JUN 29 | |
| BOZ E(P) | 13 17 00.0 |
| E | 18 52.0 |
| JUN 29 | |
| COL EP | 13 41 44.0 |
| JUN 29 | |
| HHM E(P) | 13 53 31.8 |
| JUN 29 | |
| SJG EP | 14 02 16.0 |
| EL | 03 44.6 |
| JUN 29 | |
| H-13 53 38.1 | |
| 40.5N 123.5W | |
| h ABOUT 16KM | |
| UKI E(P) | 13 54 03.0 |
| EUR EP | 13 55 06.8 |
| JUN 29 | |
| H-14 46 38.2 | |
| 30.9S 178.0W | |
| h ABOUT 30KM | |
| TUC EP | 14 59 33.6 |
| E | 59 51.0 |
| EUR IP | 14 59 38.9 |
| IPP | 59 55.0 |
| BOZ EP | 15 00 08.5 |
| E | 00 25.0 |
| JUN 29 | |
| H-15 19 43.8 | |
| 18.5S 169.1E | |
| h ABOUT 211KM | |
| COL EP | 15 32 16.0 |
| EUR IP | 15 32 23.9 |
| TUC EP | 15 32 29.5 |
| BOZ EP | 15 32 48.0 |
| JUN 29 | |
| H-15 40 28.6 | |
| 34.2N 026.3E | |
| h ABOUT 16KM | |
| HHM EP | 15 53 32.4 |
| BOZ EP | 15 53 39.5 |
| JUN 29 | |
| H-16 01 01.9 | |
| 45.5N 150.8E | |
| h ABOUT 48KM | |
| BRW IP | 16 07 58.5 |
| COL EP | 16 08 18.0 |
| HHM E(P) | 16 11 06.8 |
| BOZ EP | 16 11 32.0 |
| EUR IP | 16 11 40.8 |
| TUC EP | 16 12 29.0 |
| ALQ IP | 16 12 34.4 |
| JUN 29 | |
| BOZ EP | 16 22 40.0 |
| JUN 29 | |
| TUC EP | 17 25 19.5 |
| JUN 29 | |
| COL E(P) | 17 34 04.5 |
| JUN 29 | |
| BOZ EP | 17 41 15.6 |
| E | 41 32.5 |
| JUN 29 | |
| HHM E(P) | 18 14 18.8 |
| JUN 29 | |
| HHM EP | 18 23 37.1 |
| JUN 29 | |
| TUC E(P) | 19 10 43.8 |
| JUN 29 | |
| H-20 00 15.5 | |
| 06.8N 072.9W | |
| h ABOUT 171KM | |
| SJG EP | 20 03 14.0 |
| ES | 05 31.5 |
| TUC IP D | 20 08 03.9 |
| EUR IP D | 20 08 58.8 |
| BOZ IP | 20 09 04.0 |
| JUN 29 | |
| TUC E(P) | 20 31 31.0 |
| E | 31 37.0 |
| JUN 29 | |
| HHM E(P) | 20 59 33.8 |
| JUN 29 | |
| HHM E(P) | 21 08 50.2 |
| JUN 29 | |
| TUC E(P) | 22 24 03.2 |
| JUN 29 | |
| TUC E(P) | 23 39 09.5 |
| JUN 30 | |
| H-02 53 14.4 | |
| 01.7S 126.6E | |
| h ABOUT 33KM | |
| GUA IP | 02 58 22.0 |
| BRW EP | 03 06 00.4 |
| HHM EP' | 03 11 45.2 |
| EUR EP' | 03 11 48.9 |
| EPP | 12 41.0 |
| IPKKP | 22 53.3 |
| BOZ EP | 03 11 50.5 |
| TUC EP' | 03 12 04.0 |
| ALQ IP' | 03 12 06.0 |
| SJG EP' | 03 13 50.0 |
| JUN 30 | |
| H-03 04 52.5 | |
| 26.0N 126.6E | |
| h ABOUT 107KM | |
| BRW EP | 03 14 58.2 |
| COL E(P) | 03 15 20.8 |
| BOZ EP | 03 17 48.7 |
| JUN 30 | |
| COL EP | 03 09 44.5 |
| JUN 30 | |
| EUR IP | 04 02 42.0 |
| IL | 03 16.0 |
| JUN 30 | |
| H-08 15 44.3 | |
| 14.2S 075.6W | |
| h ABOUT 56KM | |
| BOZ EP | 08 26 38.5 |
| JUN 30 | |
| H-08 33 30.5 | |
| 51.8N 176.6E | |
| h ABOUT 41KM | |
| COL EP | 08 38 27.0 |
| BRW IP | 08 38 33.2 |
| I | 38 43.6 |
| E | 40 00.1 |
| ES | 42 35.9 |
| SIT E(P) | 08 39 19.3 |
| KIP EP | 08 40 32.5 |
| E | 40 48.4 |
| E | 46 19.0 |
| FL | 49 32.0 |
| HHM EP | 08 41 28.3 |
| E | 43 31.8 |
| BUT E(P) | 08 41 40.9 |
| BOZ IP C | 08 41 50.6 |
| EUR IP C | 08 42 00.1 |
| SLC EP | 08 42 12.3 |
| BCN EP | 08 42 23.0 |
| TUC EP | 08 42 59.5 |
| E | 43 10.0 |
| I | 43 20.3 |
| ALQ EP | 08 43 04.4 |

| Date and Station | Phase (GCT) h m s |
|---|---|
| WSC EP | 08 44 30.9 |
| E | 44 46.2 |
| E | 47 05.6 |
| CSC EP | 08 44 44.5 |
| HON ES | 08 46 20.0 |
| EL | 50 10.0 |
| SJG EP | 08 46 36.0 |
| E | 46 57.0 |
| JUN 30 | |
| GUA EP | 08 41 50.5 |
| ES | 42 00.0 |
| JUN 30 | |
| HHM EP | 08 51 26.0 |
| JUN 30 | |
| EUR EP | 09 09 53.1 |
| JUN 30 | |
| KIP E(P) | 09 17 34.0 |
| JUN 30 | |
| H-09 59 34.9 | |
| 18.5N 068.7W | |
| h ABOUT 122KM | |
| SJG IP | 10 00 14.4 |
| WSC E(P) | 10 04 19.1 |
| E | 08 12.8 |
| E | 08 24.0 |
| ALQ E(P) | 10 06 36.6 |
| BOZ EP | 10 07 37.6 |
| I | 08 04.0 |
| HHM EP | 10 07 56.8 |
| COL EP | 10 10 27.0 |
| JUN 30 | |
| H-11 32 43.4 | |
| 21.2S 066.1W | |
| h ABOUT 170KM | |
| SJG EP | 11 19 56.0 |
| ALQ IP | 11 23 24.4 |
| TUC EP C | 11 23 27.7 |
| F | 24 24.3 |
| BCN EP | 11 23 58.0 |
| EUR IP D | 11 24 15.2 |
| BOZ IP C | 11 24 27.0 |
| BUT EP | 11 24 30.9 |
| HHM EP | 11 24 43.0 |
| JUN 30 | |
| KIP EP | 11 35 28.2 |
| JUN 30 | |
| GUA IP | 12 08 58.8 |
| JUN 30 | |
| HHM E(P) | 12 29 01.2 |
| JUN 30 | |
| H-12 36 44.0 | |
| 53.7N 160.4E | |
| h ABOUT 63KM | |
| BRW IP | 12 42 09.4 |
| E | 42 22.8 |
| COL EP | 12 42 28.0 |
| HHM E(P) | 12 45 40.7 |
| IPCP | 46 58.9 |
| BOZ IP C | 12 46 03.5 |
| EUR IP C | 12 46 17.8 |
| BCN EP | 12 46 40.0 |
| ALQ IP | 12 47 15.6 |
| JUN 30 | |
| GUA IP | 13 06 04.8 |
| ES | 06 20.2 |
| JUN 30 | |
| COL EP | 13 06 32.0 |
| JUN 30 | |
| SJG IP | 13 16 26.5 |
| IS | 16 48.5 |
| JUN 30 | |
| HHM E(P) | 16 35 52.7 |
| JUN 30 | |
| GUA IP | 17 00 32.2 |
| ES | 00 38.3 |
| JUN 30 | |
| H-17 10 53.5 | |
| 51.8N 176.5E | |
| h ABOUT 61KM | |
| COL EP | 17 15 49.0 |
| BRW IP | 17 15 54.3 |
| E | 16 04.3 |
| HHM E(P) | 17 18 51.2 |
| E | 20 53.2 |
| BOZ EP | 17 19 12.5 |
| F | 19 35.0 |
| EUR IP | 17 19 21.4 |
| TUC E(P) | 17 20 21.3 |
| E | 20 40.9 |
| JUN 30 | |
| TUC EP | 17 27 11.2 |
| JUN 30 | |
| TUC E(P) | 18 28 50.0 |
| JUN 30 | |
| H-18 40 42.2 | |
| 05.6S 146.7E | |
| h ABOUT 25KM | |
| COL EP | 18 53 10.0 |
| JUN 30 | |
| COL E(P) | 20 35 35.5 |
| JUN 30 | |
| HHM E(P) | 20 38 05.5 |
| BOZ EP | 20 38 21.0 |
| JUN 30 | |
| KIP EP | 20 51 40.5 |
| JUN 30 | |
| COL IP | 21 15 43.8 |
| JUN 30 | |
| BUT E(P) | 21 19 58.0 |
| IL | 19 28.7 |
| JUN 30 | |
| TUC EP | 21 48 05.3 |
| JUN 30 | |
| HHM E(P) | 22 09 37.7 |
| F | 10 11.2 |
| JUN 30 | |
| TUC IP | 22 52 24.7 |
| JUN 30 | |
| COL IP | 23 43 04.5 |
| JUN 30 | |
| COL EP | 23 44 24.5 |
| E(S) | 44 49.0 |
| JUN 31 | |
| BCN E(P) | 02 44 17.0 |
| EL | 45 50.0 |
| JUN 31 | |
| COL EP | 03 35 04.0 |
| JUN 31 | |
| SJG IP | 05 02 28.3 |
| F | 02 36.0 |