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# SEISMOLOGICAL BULLETIN

September, 1963

MSI — 273

COAST & GEODETIC SURVEY
COAST & GEODETIC SURVEY
APR 5 1963
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U. S. DEPARTMENT OF COMMERCE

John T. Connor, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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# National Oceanic and Atmospheric Administration

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1963

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.
*Boulder City, Nev. (BCN)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHK)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL)
*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 (SJP)
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC) WWNSS
Ukiah, Calif. (UKI)
International Latitude Observatory
Washington, D. C. (WAS)

*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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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.

Mag. (CGS) is $m_b$ of Gutenberg and Richter computed from the P phase only. 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 the respective stations.

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
Coast and Geodetic Survey
Seismology Division
Washington Science Center
Rockville, Maryland 20852

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 1 | 01 34 33.8 | 33.9 N. | 74.5 E. | Northern India. h about 63 km. Mag. 3.6 (CGS). |
| 1 | 06 47 23.5 | 31.7 N. | 141.0 E. | South of Honshu, Japan. h about 33 km. Mag. 4.1 (CGS). |
| 1 | 11 11 13.7 | 5.4 N. | 82.4 W. | South of Panama. Felt at Bambito. h about 61 km. Mag. 4.6 (CGS). |
| 1 | 11 30 31* | 40.6 S. | 83.8 W. | Off coast of southern Chile. h about 33 km. Mag. 4.2 (CGS). |
| 1 | 15 23 57.4 | 50.2 N. | 129.4 W. | Vancouver Island region. h about 33 km. Mag. 4.1 (CGS). |
| 1 | 22 57 34.4 | 11.3 N. | 85.5 W. | Nicaragua. h about 120 km. Mag. 4.4 (CGS). |
| 1 | 23 28 08.4 | 1.0 N. | 28.4 W. | North Atlantic Ocean. h about 33 km. Mag. 4.5 (CGS). |
| 2 | 01 34 31.6 | 33.9 N. | 74.7 E. | Northern India. 79 killed, 400 injured and major property damage in Kashmir. h about 44 km. Mag. 5.1 (CGS). |
| 2 | 02 27 14.4 | 24.3 N. | 108.6 W. | Gulf of California. h about 33 km. Mag. 4.1 (CGS). |
| 2 | 03 46 14.8 | 49.5 N. | 128.3 W. | Vancouver Island region. h about 33 km. Mag. 3.7 (CGS). |
| 2 | 04 10 18.4 | 14.1 S. | 76.4 W. | Southern Peru. h about 41 km. Mag. 4.5 (CGS). |
| 2 | 06 52 10.9 | 40.3 N. | 145.3 E. | Off east coast of Honshu, Japan. h about 33 km. Mag. 4.4 (CGS). |
| 2 | 08 03 21.7 | 52.5 N. | 169.2 W. | Fox Islands, Aleutian Islands. h about 33 km. Mag. 4.4 (CGS). |
| 2 | 11 44 00.2 | 45.4 N. | 150.9 E. | Kurile Islands. h about 33 km. Mag. 4.5 (CGS). |
| 2 | 13 02 07* | 18.2 S. | 62.6 W. | Bolivia. h about 33 km. Mag. 4.5 (CGS). |
| 2 | 13 10 43.3 | 26.2 N. | 109.5 W. | Near coast of Sinaloa, Mexico. h about 33 km. Mag. 4.0 (CGS). |
| 2 | 13 20 00* | 29.1 N. | 109.3 W. | Sonora, Mexico. h about 33 km. Mag. 3.7 (CGS). |
| 2 | 13 27 37.4 | 50.5 N. | 129.4 W. | Vancouver Island region. h about 33 km. Mag. 4.6 (CGS). |
| 2 | 13 30 03.8 | 50.4 N. | 129.1 W. | Vancouver Island region. h about 33 km. Mag. 4.4 (CGS). |
| 2 | 13 40 58* | 25.7 N. | 109.7 W. | Gulf of California. h about 33 km. Mag. 4.1 (CGS). |
| 2 | 14 10 44.7 | 25.7 N. | 109.5 W. | Gulf of California. h about 33 km. Mag. 4.8 (CGS). |
| 2 | 16 42 53.0 | 6.0 S. | 154.8 E. | Solomon Islands. h about 321 km. Mag. 4.2 (CGS). |
| 2 | 17 40 15.4 | 39.6 N. | 110.1 W. | Utah. h about 33 km. Mag. 4.1 (CGS). |
| 2 | 19 03 23.3 | 20.7 S. | 175.1 W. | Tonga Islands. h about 33 km. Mag. 4.5 (CGS). |
| 2 | 19 34 40.1 | 41.0 N. | 141.9 E. | Near coast of Honshu, Japan. h about 33 km. Mag. 4.4 (CGS). |
| 2 | 22 25 52* | 26.2 N. | 90.0 E. | Assam, India. Felt at Chittagong. h about 220 km. |
| 2 | 22 37 22.0 | 37.9 S. | 179.5 E. | Off coast of North Island, New Zealand. h about 33 km. |
| 2 | 23 45 00.1 | 45.4 N. | 150.8 E. | Kurile Islands. h about 33 km. Mag. 4.9 (CGS). |
| 3 | 01 53 21* | 44.8 N. | 150.9 E. | Kurile Islands region. h about 59 km. Mag. 4.1 (CGS). |
| 3 | 03 49 42* | 60.3 S. | 152.0 E. | Balleny Islands region. h about 33 km. |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 3 | 04 57 56.7 | 45.0 N. | 151.0 E. | Kurile Islands. h about 33 km. Mag. 4.3 (CGS). |
| 3 | 05 03 17.9 | 36.0 N. | 140.7 E. | Near east coast of Honshu, Japan. h about 33 km. Mag. 4.2 (CGS). |
| 3 | 05 29 39.5 | 45.4 N. | 150.9 E. | Kurile Islands. h about 33 km. Mag. 4.5 (CGS). |
| 3 | 06 12 08.9 | 51.9 N. | 173.5 W. | Andreanof Islands, Aleutian Islands. h about 50 km. Mag. 4.7 (CGS). |
| 3 | 09 13 33.1 | 62.8 N. | 25.2 W. | Iceland region. h about 33 km. Mag. 4.9 (CGS). |
| 3 | 12 59 52.3 | 61.9 N. | 150.4 W. | Kenai Peninsula, Alaska. h about 116 km. Mag. 4.0 (CGS). |
| 3 | 18 37 42.6 | 6.9 N. | 73.1 W. | Colombia. Felt at Bogota, Manizales and Chinchina. h about 143 km. Mag. 4.4 (CGS). |
| 3 | 19 31 17* | 50.8 N. | 133.5 W. | Queen Charlotte Islands region. h about 33 km. Mag. 3.9 (CGS). |
| 3 | 23 28 25* | 16.8 S. | 177.2 W. | Fiji Islands region. h about 33 km. Mag. 4.6 (CGS). |
| 4 | 03 00 51* | 29.3 N. | 127.5 E. | East China Sea. h about 253 km. Mag. 4.4 (CGS). |
| 4 | 03 29 54.5 | 52.1 N. | 175.2 W. | Andreanof Islands, Aleutian Islands. h about 33 km. Mag. 4.1 (CGS). |
| 4 | 05 06 47.0 | 36.1 N. | 5.3 E. | Near coast of Algeria. One killed, 10 injured and damage in Setif area and Bir Hadada. h about 38 km. Mag. 5.2 (CGS). |
| 4 | 08 37 40.2 | 36.3 N. | 5.1 E. | Near coast of Algeria. h about 33 km. Mag. 4.4 (CGS). |
| 4 | 10 35 34.6 | 7.9 N. | 82.7 W. | Near south coast of Panama. Felt at Bambito. h about 33 km. Mag. 4.1 (CGS). |
| 4 | 12 41 16.6 | 43.9 N. | 128.6 W. | Off coast of Oregon. h about 33 km. Mag. 4.0 (CGS). |
| 4 | 13 32 12.3 | 71.3 N. | 73.1 W. | Near east coast of Baffin Island. Felt at Clyde. h about 33 km. Mag. 6¼-6½ (PAS), 6 (BRK), 6¼-6½ (PAL), 6.1 (CGS). |
| 4 | 15 42 14* | 0.9 S. | 145.7 E. | Admiralty Islands region. h about 33 km. Mag. 5.5 (CGS). |
| 4 | 18 36 28.1 | 24.1 N. | 96.0 E. | Northern Burma. h about 148 km. Mag. 5.0 (CGS). |
| 4 | 21 20 18.5 | 71.5 N. | 72.8 W. | Baffin Island. h about 33 km. Mag. 4.1 (CGS). |
| 4 | 21 41 00.6 | 71.6 N. | 73.5 W. | Near east coast of Baffin Island. h about 33 km. Mag. 4.4 (CGS). |
| 5 | 00 55 59.1 | 17.8 S. | 178.5 W. | Fiji Islands. h about 558 km. Mag. 4.6 (CGS). |
| 5 | 10 42 42.5 | 18.0 S. | 168.1 E. | New Hebrides Islands. Felt at Port Vila. h about 33 km. Mag. 4.4 (CGS). |
| 5 | 11 36 31.6 | 50.3 N. | 129.1 W. | Vancouver Island region. h about 33 km. Mag. 4.2 (CGS). |
| 5 | 17 11 08* | 36.0 N. | 5.7 E. | Near coast of Algeria. h about 33 km. Mag. 4.0 (CGS). |
| 5 | 23 43 05.0 | 18.6 N. | 106.8 W. | Off coast of Jalisco, Mexico. h about 33 km. Mag. 4.3 (CGS). |
| 6 | 01 40 45.0 | 19.3 S. | 176.9 W. | Tonga Islands. h about 66 km. Mag. 4.2 (CGS). |
| 6 | 01 46 13.3 | 71.5 N. | 73.0 W. | Near east coast of Baffin Island. h about 33 km. Mag. 4.4 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 6 | 05 29 54.1 | 10.9 S. | 164.8 E. | Santa Cruz Islands. h about 33 km. Mag. 4.2 (CGS). |
| 6 | 06 03 52.1 | 36.4 N. | 130.6 E. | Sea of Japan. h about 33 km. Mag. 5.4 (CGS). |
| 6 | 08 10 26.5 | 6.1 N. | 126.2 E. | Near southeast coast of Mindanao, Philippine Islands. h about 47 km. Mag. 4.6 (CGS). |
| 6 | 10 16 38.9 | 24.0 S. | 179.9 E. | Kermadec Islands region. h about 500 km. Mag. 5.2 (CGS). |
| 6 | 11 58 38.9 | 55.4 S. | 128.4 W. | South Pacific Ocean. h about 33 km. Mag. 4.4 (CGS). |
| 6 | 13 57 42.5 | 2.2 N. | 83.2 W. | South of Panama. h about 33 km. Mag. 4.8 (CGS). |
| 6 | 17 44 56* | 15.2 S. | 167.9 E. | New Hebrides Islands. h about 231 km. |
| 6 | 19 23 55.7 | 44.8 N. | 117.1 W. | Oregon-Idaho border region. Felt at BMO, Oxbow Dam and Brownlee Dam. h about 33 km. |
| 6 | 20 03 23.3 | 11.8 N. | 138.5 E. | Mariana Islands region. h about 33 km. Mag. 4.8 (CGS). |
| 6 | 20 31 46.1 | 50.1 N. | 129.5 W. | Vancouver Island region. h about 31 km. Mag. 4.4 (CGS). |
| 6 | 20 56 59.9 | 53.9 N. | 165.6 W. | Fox Islands, Aleutian Islands. h about 33 km. Mag. 5.0 (CGS). |
| 6 | 22 19 35.2 | 44.3 N. | 114.7 W. | Central Idaho. h about 33 km. Mag. 4.1 (CGS). |
| 7 | 01 16 55.1 | 36.4 N. | 130.6 E. | Off east coast of South Korea. Felt at Ulchin, Kangnung and Pusan. h about 33 km. Mag. 5.3 (CGS). |
| 7 | 02 29 38.3 | 21.5 S. | 174.6 W. | Tonga Islands. h about 33 km. Mag. 5.1 (CGS). |
| 7 | 04 09 29.8 | 5.9 S. | 129.8 E. | Banda Sea. h about 169 km. Mag. 5.2 (CGS). |
| 7 | 07 13 39.9 | 45.4 N. | 150.8 E. | Kurile Islands. h about 33 km. Mag. 5.2 (CGS). |
| 7 | 08 26 36* | 18.9 S. | 174.9 W. | Tonga Islands region. h about 131 km. Mag. 4.4 (CGS). |
| 7 | 08 43 26* | 8.8 S. | 117.5 E. | Sumbawa. h about 81 km. |
| 7 | 08 44 35* | 13.2 S. | 122.1 E. | Flores Sea. h about 256 km. |
| 7 | 08 50 57.5 | 11.7 S. | 13.6 W. | Ascension Island region. h about 33 km. Mag. 5.3 (CGS). |
| 7 | 12 44 01.1 | 54.0 N. | 160.3 E. | Kamchatka. h about 110 km. Mag. 5 (PAL), 5.4 (CGS). |
| 7 | 13 44 51.9 | 7.1 S. | 148.1 E. | Near east coast of New Guinea. h about 64 km. Mag. 4.8 (CGS). |
| 7 | 15 16 55.4 | 22.0 S. | 179.6 W. | Fiji Islands. h about 558 km. Mag. 4.7 (CGS). |
| 7 | 18 50 11* | 22.7 S. | 65.1 W. | Jujuy Province, Argentina. h about 160 km. Mag. 4.0 (CGS). |
| 7 | 19 26 29.3 | 3.0 S. | 130.4 E. | Ceram Sea. h about 33 km. Mag. 4.6 (CGS). |
| 7 | 20 01 26* | 26.7 S. | 178.0 W. | Tonga Islands region. h about 263 km. Mag. 4.1 (CGS). |
| 7 | 22 00 57.1 | 27.5 N. | 141.5 E. | Bonin Island region. h about 46 km. Mag. 4.9 (CGS). |
| 8 | 00 47 27.7 | 28.1 S. | 176.8 W. | Kermadec Islands region. h about 57 km. Mag. 5-5¼ (BRK), 5¼ (PAL), 5.3 (CGS). |
| 8 | 04 41 20.0 | 18.1 S. | 178.4 W. | Fiji Islands. h about 520 km. |
| 8 | 05 28 37.8 | 12.3 N. | 87.9 W. | Near coast of El Salvador. Felt at San Salvador. h about 31 km. Mag. 4.1 (CGS). |

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|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 8 | 05 32 26.4 | 23.7 S. | 179.1 E. | Fiji Islands. h about 282 km. Mag. 4.6 (CGS). |
| 8 | 07 38 14.9 | 20.7 S. | 178.3 W. | Fiji Islands. h about 573 km. Mag. 4.3 (CGS). |
| 8 | 09 06 16.0 | 36.2 S. | 100.5 W. | About 1,500 km. southeast of Easter Island. h about 33 km. Mag. 4¾ (BRK), 5 (PAL), 4.7 (CGS). |
| 8 | 13 06 25.9 | 30.3 S. | 177.9 W. | Kermadec Islands. h about 33 km. |
| 8 | 17 22 30* | 19.6 N. | 109.4 W. | Off coast of Jalisco, Mexico. h about 33 km. Mag. 3.9 (CGS). |
| 8 | 19 29 47.6 | 21.9 S. | 174.6 W. | Tonga Islands. h about 33 km. Mag. 4.4 (CGS). |
| 8 | 19 50 29.8 | 23.6 S. | 179.8 E. | Fiji Islands region. h about 550 km. Mag. 6¼ (PAS), 5½-5¾ (BRK), 5.7 (CGS). |
| 8 | 23 26 25* | 34.0 S. | 180.0 | South of Kermadec Islands. h about 309 km. Mag. 4.2 (CGS). |
| 9 | 00 19 02.7 | 22.6 S. | 179.5 W. | Fiji Islands. h about 550 km. Mag. 4.7 (CGS). |
| 9 | 02 45 45.5 | 4.4 S. | 152.7 E. | New Britain. Felt at Rabaul. h about 34 km. Mag. 6-6¼ (BRK), 6¼ (PAL), 5.6 (CGS). |
| 9 | 05 18 36.9 | 49.8 N. | 130.0 W. | Vancouver Island region. h about 33 km. Mag. 3.2 (CGS). |
| 9 | 10 45 17.4 | 44.4 N. | 114.7 W. | Central Idaho. Felt. h about 15 km. Mag. 4.1 (CGS). |
| 9 | 12 21 19.5 | 12.3 N. | 141.3 E. | Mariana Islands region. h about 76 km. Mag. 4.6 (CGS). |
| 9 | 12 52 15.4 | 14.7 S. | 167.4 E. | New Hebrides Islands. Felt at Santo and Port Vila. h about 182 km. Mag. 4.4 (CGS). |
| 9 | 17 58 33.3 | 23.5 S. | 180.0 | Fiji Islands. h about 512 km. Mag. 4.8 (CGS). |
| 9 | 18 50 47* | 43.9 N. | 113.3 W. | Central Idaho. h about 33 km. |
| 9 | 19 07 16.2 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 3.8 (CGS). |
| 9 | 19 10 35.3 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 4.1 (CGS). |
| 9 | 21 11 05.9 | 31.7 S. | 178.4 W. | Kermadec Islands. h about 33 km. Mag. 4.5 (CGS). |
| 9 | 21 41 43.6 | 31.3 N. | 72.1 E. | Pakistan. Felt at Quetta. h about 33 km. Mag. 4.7 (CGS). |
| 10 | 01 09 47.0 | 14.0 S. | 166.2 E. | New Hebrides Islands. h about 64 km. Mag. 5¼ (PAL), 4.6 (CGS). |
| 10 | 02 17 09.3 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.3 (CGS). |
| 10 | 03 33 23.2 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.1 (CGS). |
| 10 | 05 31 03.1 | 23.6 S. | 178.9 E. | Fiji Islands. h about 268 km. Mag. 4.5 (CGS). |
| 10 | 06 25 14.5 | 23.0 S. | 179.8 E. | Fiji Islands region. h about 520 km. Mag. 4.8 (CGS). |
| 10 | 07 36 09* | 14.6 S. | 73.6 W. | Southern Peru. h about 176 km. Mag. 4.0 (CGS). |
| 10 | 11 29 33.4 | 59.3 N. | 151.6 W. | Kenai Peninsula. h about 30 km. Mag. 4.2 (CGS). |
| 10 | 13 09 13.1 | 36.1 N. | 27.3 E. | Dodecanese Islands. Felt. h about 50 km. Mag. 4.5 (CGS). |
| 10 | 14 13 12* | 0.1 N. | 123.2 E. | Northern Celebes. h about 160 km. |
| 10 | 17 01 07.3 | 53.8 N. | 159.9 W. | Alaska Peninsula region. h about 33 km. Mag. 5.0 (CGS). |
| 10 | 18 03 30.7 | 55.2 N. | 157.1 W. | Alaska Peninsula region. h about 33 km. Mag. 4.1 (CGS). |

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|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 10 | 19 14 26.8 | 19.0 S. | 175.8 E. | Tonga Islands region. h about 33 km. Mag. 4¼-4½ (BRK), 5¼-5½ (PAL), 5.3 (CGS). |
| 10 | 19 40 08* | 28.9 N. | 104.0 W. | Chihuahua, Mexico. h about 33 km. Mag. 4.2 (CGS). |
| 10 | 23 56 26.2 | 3.4 S. | 131.4 E. | Ceram region. h about 64 km. Mag. 4.8 (CGS). |
| 11 | 00 12 27.2 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.4 (CGS). |
| 11 | 00 52 58.7 | 12.3 N. | 59.5 W. | Windward Islands region. h about 33 km. Mag. 4.2 (CGS). |
| 11 | 00 53 12.7 | 4.1 S. | 151.8 E. | New Britain. h about 205 km. Mag. 4.5 (CGS). |
| 11 | 02 08 44.8 | 44.3 N. | 114.7 W. | Central Idaho. Felt. Slight damage at Redfish Lake. h about 15 km. Mag. 4.9 (CGS). |
| 11 | 02 25 04.7 | 44.3 N. | 114.8 W. | Central Idaho. Felt at Clayton. h about 15 km. Mag. 3.6 (CGS). |
| 11 | 02 31 39.9 | 44.3 N. | 114.7 W. | Central Idaho. Felt at Clayton. h about 15 km. Mag. 4.2 (CGS). |
| 11 | 03 45 33.6 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 4.1 (CGS). |
| 11 | 03 55 37.8 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. |
| 11 | 06 04 28.3 | 38.9 N. | 118.1 W. | Western Nevada. h about 33 km. Mag. 3.7 (CGS). |
| 11 | 06 31 54.7 | 19.0 S. | 169.3 E. | New Hebrides Islands. h about 245 km. Mag. 4.5 (CGS). |
| 11 | 08 59 37.6 | 3.5 S. | 131.2 E. | Ceram. h about 33 km. Mag. 5.7 (CGS). |
| 11 | 09 42 04.7 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.0 (CGS). |
| 11 | 09 49 05* | 16.8 N. | 95.1 W. | Near coast of Oaxaca, Mexico. h about 129 km. Mag. 3.8 (CGS). |
| 11 | 11 45 38.3 | 18.5 S. | 177.8 W. | Fiji Islands. h about 611 km. Mag. 3.7 (CGS). |
| 11 | 11 59 41.0 | 33.2 N. | 110.7 W. | Arizona. Felt in Gila, Graham and Pinal Counties. Slight damage at Globe, Ray and San Carlos. h about 33 km. Mag. 4.1 (CGS). |
| 11 | 12 29 29.2 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 3.8 (CGS). |
| 11 | 15 11 16* | 3.6 S. | 127.4 E. | Ceram Sea. h about 209 km. |
| 11 | 18 21 52.2 | 44.2 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 3.8 (CGS). |
| 11 | 18 24 28.6 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.1 (CGS). |
| 11 | 20 34 53.9 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 3.5 (CGS). |
| 11 | 22 20 26.6 | 33.1 S. | 178.2 W. | South of Kermadec Islands. h about 21 km. Mag. 4.9 (CGS). |
| 11 | 23 40 48.9 | 40.7 N. | 112.1 W. | Chemical explosion in northern Utah. h about 0 km. |
| 12 | 02 28 53.2 | 22.0 S. | 67.6 W. | Chile-Bolivia border. h about 160 km. Mag. 4.5 (CGS). |
| 12 | 03 11 53.9 | 22.5 S. | 170.7 E. | Loyalty Islands region. h about 54 km. Mag. 4.9 (CGS). |
| 12 | 03 26 19.4 | 13.5 S. | 166.5 E. | Santa Cruz Islands. h about 68 km. Mag. 4.4 (CGS). |
| 12 | 06 23 50.6 | 44.3 N. | 114.7 W. | Central Idaho. Felt. h about 15 km. Mag. 4.4 (CGS). |
| 12 | 06 53 01* | 44.2 N. | 114.5 W. | Central Idaho. h about 33 km. Mag. 4.1 (CGS). |
| 12 | 07 25 02* | 51.6 N. | 177.4 E. | Rat Islands, Aleutian Islands. h about 40 km. Mag. 4.4 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 12 | 08 01 23.2 | 44.4 N. | 114.7 W. | Central Idaho. Felt at Cobalt. h about 33 km. Mag. 4.3 (CGS). |
| 12 | 08 18 57.9 | 34.9 N. | 32.2 E. | Cyprus. Felt at Nicosia and Paphos. h about 55 km. Mag. 5.0 (CGS). |
| 12 | 09 01 09.0 | 44.4 N. | 114.8 W. | Central Idaho. Felt at Cobalt. h about 15 km. Mag. 3.6 (CGS). |
| 12 | 09 19 04.8 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.7 (CGS). |
| 12 | 09 59 44.9 | 47.0 N. | 152.6 E. | Kurile Islands. h about 60 km. Mag. 4.3 (CGS). |
| 12 | 11 12 03.0 | 8.2 S. | 164.4 E. | Santa Cruz Islands. h about 33 km. Mag. 4.2 (CGS). |
| 12 | 11 16 47.3 | 44.4 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.3 (CGS). |
| 12 | 12 28 22.6 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.2 (CGS). |
| 12 | 13 10 17.9 | 7.7 N. | 35.9 W. | North Atlantic Ocean. h about 33 km. Mag. 5.0 (CGS). |
| 12 | 14 10 58* | 19.0 S. | 175.9 E. | Fiji Island region. h about 33 km. Mag. 4.6 (CGS). |
| 12 | 20 15 06.3 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 4.0 (CGS). |
| 13 | 07 46 35.2 | 13.5 S. | 166.4 E. | Santa Cruz Islands. h about 38 km. Mag. 4.4 (CGS). |
| 13 | 10 07 22.6 | 12.5 S. | 167.3 E. | Santa Cruz Islands. h about 83 km. Mag. 4.5 (CGS). |
| 13 | 10 51 56.6 | 29.1 N. | 105.6 W. | Chihuahua, Mexico. h about 33 km. Mag. 4.7 (CGS). |
| 13 | 13 43 13.6 | 45.0 N. | 111.6 W. | Southwestern Montana. h about 33 km. |
| 13 | 13 53 00.152 | | | 37°09'48"N., 116°04'50"W. Nevada Test Site. AHTANUM. Shot elevation 1120.4 meters (AEC). |
| 13 | 17 00 00.130 | | | 37°03'38"N., 116°01'18" W. Nevada Test Site. BILBY. Shot elevation 536.4 meters (AEC). |
| 13 | 18 15 53.9 | 49.6 S. | 117.2 E. | South of Australia. h about 33 km. |
| 13 | 21 10 56* | 33.3 S. | 178.1 W. | Kermadec Islands region. h about 33 km. Mag. 5.1 (CGS). |
| 13 | 23 02 07.2 | 53.0 N. | 175.0 W. | Andreanof Islands, Aleutian Islands. h about 220 km. Mag. 4.9 (CGS). |
| 13 | 23 33 32.9 | 31.3 S. | 179.3 W. | Kermadec Islands. h about 16 km. Mag. 4.7 (CGS). |
| 13 | 23 57 37.3 | 21.4 S. | 169.1 E. | Loyalty Islands region. h about 33 km. |
| 14 | 00 15 45.2 | 3.5 S. | 131.2 E. | Ceram region. h about 33 km. Mag. 4.4 (CGS). |
| 14 | 00 18 33.4 | 3.6 S. | 131.2 E. | Ceram region. h about 33 km. Mag. 5.8 (CGS). |
| 14 | 00 38 07.5 | 31.3 S. | 179.1 W. | Kermadec Islands. h about 33 km. Mag. 5.1 (CGS). |
| 14 | 02 13 41.2 | 22.0 N. | 121.3 E. | Southern Formosa. Felt. h about 90 km. Mag. 5.0 (CGS). |
| 14 | 03 51 15.5 | 33.4 N. | 118.5 W. | Off coast of southern California. Felt in Los Angeles County. h about 15 km. Mag. 4.8 (CGS). |
| 14 | 03 52 16.9 | 31.4 S. | 179.0 W. | Kermadec Islands. h about 33 km. Mag. 4.9 (CGS). |
| 14 | 05 04 09.3 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.8 (CGS). |
| 14 | 05 07 14.3 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.6 (CGS). |
| 14 | 05 46 39.7 | 14.6 S. | 166.6 E. | New Hebrides Islands. h about 70 km. |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 14 | 06 45 08.3 | 42.2 N. | 142.3 E. | Near south coast of Hokkaido, Japan. h about 50 km. Mag. 4.3 (CGS). |
| 14 | 07 17 18.5 | 19.0 N. | 145.0 E. | Mariana Islands region. h about 610 km. Mag. 5.0 (CGS). |
| 14 | 09 26 46.9 | 25.5 N. | 142.6 E. | Volcano Islands region. h about 43 km. Mag. 4.5 (CGS). |
| 14 | 09 43 52* | 15.0 N. | 91.0 W. | Guatemala. h about 130 km. Mag. 4.1 (CGS). |
| 14 | 10 06 18.4 | 36.1 N. | 137.3 E. | Honshu, Japan. Felt at Tokyo. h about 66 km. Mag. 4.3 (CGS). |
| 14 | 11 48 18* | 20.1 S. | 68.2 W. | Bolivia-Chile border. h about 33 km. Mag. 4.4 (CGS). |
| 14 | 12 28 13.3 | 35.5 N. | 118.1 W. | Kern County, California. h about 15 km. Mag. 4.2 (CGS). |
| 14 | 15 15 58.1 | 13.7 S. | 166.4 E. | Santa Cruz Islands. h about 34 km. Mag. 4.3 (CGS). |
| 14 | 15 25 33.3 | 13.7 S. | 166.3 E. | New Hebrides Islands. h about 20 km. Mag. 4.5 (CGS). |
| 14 | 15 58 02.1 | 44.3 N. | 114.8 W. | Central Idaho. Felt. h about 15 km. Mag. 4.3 (CGS). |
| 14 | 16 06 49.3 | 44.3 N. | 114.7 W. | Central Idaho. h about 33 km. Mag. 3.9 (CGS). |
| 14 | 16 16 51.8 | 33.6 S. | 126.7 W. | South Pacific Ocean. h about 33 km. Mag. 4.9 (CGS). |
| 14 | 16 25 11.3 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.3 (CGS). |
| 14 | 16 39 41.7 | 44.4 N. | 114.7 W. | Central Idaho. Felt at Clayton. h about 15 km. Mag. 4.0 (CGS). |
| 14 | 16 55 40.6 | 44.3 N. | 114.6 W. | Central Idaho. Felt at Clayton. h about 15 km. Mag. 3.9 (CGS). |
| 14 | 17 16 34.7 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.8 (CGS). |
| 14 | 17 50 06.9 | 44.4 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.0 (CGS). |
| 14 | 18 48 56.4 | 44.3 N. | 114.8 W. | Central Idaho. Felt at Clayton. h about 15 km. Mag. 3.8 (CGS). |
| 14 | 19 46 17.6 | 36.9 N. | 121.6 W. | Monterey County, California. Felt widely. Landslides north of Salinas. Slight damage near Chittenden and Soda Lake. h about 5 km. Mag. 5.4 (CGS). |
| 14 | 19 58 41.6 | 36.9 N. | 121.6 W. | Monterey County, California. h about 5 km. |
| 14 | 20 28 12.3 | 36.9 N. | 121.6 W. | Monterey County, California. Felt Widely. h about 5 km. Mag. 4.3 (CGS). |
| 15 | 00 46 54.1 | 10.3 S. | 165.6 E. | Santa Cruz Islands. Felt at Vanikoro, Luganville and Honiara. h about 43 km. Mag. 7¼-7½ (PAS), 6¾-7 (PAL), 6.3 (CGS). |
| 15 | 01 57 24* | 9.4 S. | 167.0 E. | Santa Cruz Islands. h about 33 km. Mag. 5.0 (CGS). |
| 15 | 02 02 08* | 32.0 S. | 178.7 W. | Kermadec Islands region. h about 33 km. Mag. 4.7 (CGS). |
| 15 | 04 22 03.3 | 55.5 S. | 140.5 W. | South Pacific Ocean. h about 33 km. Mag. 4.4 (CGS). |
| 15 | 04 50 21.5 | 10.2 S. | 165.3 E. | Santa Cruz Islands. h about 31 km. Mag. 4.5 (CGS). |
| 15 | 05 34 57.9 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 3.9 (CGS). |
| 15 | 06 15 21.7 | 10.2 S. | 165.4 E. | Santa Cruz Islands. h about 28 km. Mag. 4.7 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. 15 | h m s 06 28 44.2 | ° 10.1 S. | ° 165.5 E. | Santa Cruz Islands. h about 33 km. Mag. 4.5 (CGS). |
| 15 | 08 26 08.7 | 5.9 S. | 146.7 E. | North-East New Guinea. h about 89 km. Mag. 4.7 (CGS). |
| 15 | 08 31 10* | 30.4 S. | 179.3 W. | Kermadec Islands region. h about 33 km. Mag. 4.6 (CGS). |
| 15 | 09 08 09.1 | 13.8 S. | 166.4 E. | Santa Cruz Islands. h about 36 km. Mag. 4.5 (CGS). |
| 15 | 09 09 38* | 7.2 S. | 106.5 E. | Java. h about 33 km. Mag. 5.0 (CGS). |
| 15 | 10 48 03.4 | 35.7 N. | 117.8 W. | Kern County, California. h about 15 km. |
| 15 | 10 59 47.7 | 17.1 S. | 173.8 E. | Fiji Islands region. h about 33 km. Mag. 4.8 (CGS). |
| 15 | 11 44 44.7 | 14.0 S. | 166.1 E. | Santa Cruz Islands. h about 30 km. Mag. 4.3 (CGS). |
| 15 | 16 51 01.8 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 4.1 (CGS). |
| 15 | 19 14 09* | 44.2 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.7 (CGS). |
| 15 | 20 29 50* | 25.2 N. | 141.0 E. | Volcano Islands region. h about 33 km. Mag. 4.3 (CGS). |
| 15 | 22 03 49.5 | 63.2 N. | 152.0 W. | Central Alaska. h about 122 km. Mag. 3.9 (CGS). |
| 16 | 00 06 50.8 | 22.4 N. | 120.5 E. | Southern Formosa. Felt. h about 33 km. Mag. 4.8 (CGS). |
| 16 | 01 49 13.7 | 10.2 S. | 165.3 E. | Santa Cruz Islands. h about 33 km. Mag. 4.7 (CGS). |
| 16 | 06 36 56* | 49.6 N. | 149.9 E. | Sea of Okhotsk. h about 430 km. Mag. 3.6 (CGS). |
| 16 | 09 43 55.3 | 55.0 N. | 166.0 E. | Komandorskie Islands region. h about 33 km. Mag. 4.7 (CGS). |
| 16 | 12 06 14.0 | 44.3 N. | 114.7 W. | Central Idaho. Felt at Clayton. h about 15 km. Mag. 4.2 (CGS). |
| 16 | 15 11 52* | 52.8 N. | 171.0 W. | Andreanof Islands, Aleutian Islands. h about 140 km. Mag. 4.2 (CGS). |
| 16 | 16 14 45.0 | 78.6 N. | 6.7 E. | Svalbard region. h about 33 km. Mag. 4.3 (CGS). |
| 16 | 16 36 32.0 | 13.4 S. | 166.6 E. | New Hebrides Islands. h about 28 km. Mag. 4.4 (CGS). |
| 16 | 17 15 34.5 | 43.2 N. | 126.8 W. | Off coast of Oregon. h about 33 km. Mag. 4.7 (CGS). |
| 16 | 20 05 21.9 | 13.4 S. | 166.5 E. | Santa Cruz Islands. h about 28 km. Mag. 5.0 (CGS). |
| 17 | 00 22 59* | 50.2 N. | 129.3 W. | Vancouver Island region. h about 33 km. Mag. 4.0 (CGS). |
| 17 | 00 43 33.2 | 25.1 S. | 67.6 W. | Salta Province, Argentina. h about 33 km. Mag. 4.2 (CGS). |
| 17 | 02 22 49.1 | 15.3 S. | 72.6 W. | Southern Peru. h about 143 km. Mag. 3.5 (CGS). |
| 17 | 03 48 10* | 12.6 N. | 87.1 W. | Nicaragua. h about 144 km. Mag. 3.9 (CGS). |
| 17 | 05 36 15.4 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 4.1 (CGS). |
| 17 | 05 54 33.7 | 10.6 S. | 78.2 W. | Central Peru. Slight damage at Huaraz. h about 61 km. Mag. 6¾ (PAS), 5.5 (CGS). |
| 17 | 07 34 38.7 | 1.5 S. | 77.9 W. | Ecuador. h about 178 km. Mag. 4.0 (CGS). |
| 17 | 12 22 54.9 | 44.4 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 3.6 (CGS). |
| 17 | 19 20 08.2 | 10.1 S. | 165.3 E. | Santa Cruz Islands. Felt on eastern Solomon Islands. h about 17 km. Mag. 7¼ (PAS), 7½ (BRK), 7 (PAL), 6.1 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 17 | 19 57 40.3 | 10.1 S. | 165.0 E. | Santa Cruz Islands. h about 36 km. Mag. 4.8 (CGS). |
| 17 | 20 00 56.6 | 9.9 S. | 164.7 E. | Santa Cruz Islands. h about 33 km. Mag. 5.3 (CGS). |
| 17 | 20 32 58.1 | 43.4 S. | 74.7 W. | Near coast of southern Chile. h about 33 km. Mag. 4.8 (CGS). |
| 17 | 21 13 28* | 6.7 S. | 105.3 E. | Java. h about 33 km. Mag. 5.3 (CGS). |
| 17 | 22 28 29.6 | 10.2 S. | 165.1 E. | Santa Cruz Islands. h about 33 km. Mag. 5.2 (CGS). |
| 17 | 22 33 49.8 | 10.0 S. | 164.9 E. | Santa Cruz Islands. h about 33 km. Mag. 4.7 (CGS). |
| 17 | 23 50 53.6 | 10.6 S. | 165.3 E. | Santa Cruz Islands. h about 73 km. Mag. 4.7 (CGS). |
| 18 | 00 16 05.9 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.7 (CGS). |
| 18 | 01 16 53.9 | 10.1 S. | 165.1 E. | Santa Cruz Islands. h about 33 km. Mag. 4.9 (CGS). |
| 18 | 01 55 46.2 | 10.7 S. | 165.1 E. | Santa Cruz Islands. h about 28 km. Mag. 5.0 (CGS). |
| 18 | 04 00 24.1 | 10.2 S. | 165.2 E. | Santa Cruz Islands. h about 33 km. Mag. 4.1 (CGS). |
| 18 | 04 45 07.5 | 45.0 N. | 111.3 W. | Montana. h about 33 km. Mag. 3.1 (CGS). |
| 18 | 08 02 21.1 | 10.3 S. | 165.6 E. | Santa Cruz Islands. h about 33 km. Mag. 4.6 (CGS). |
| 18 | 09 14 36.1 | 14.8 S. | 167.4 E. | New Hebrides Islands region. h about 119 km. Mag. 4.5 (CGS). |
| 18 | 15 42 02.7 | 38.5 N. | 57.2 E. | Turkmen S.S.R. h about 33 km. Mag. 5.1 (CGS). |
| 18 | 16 58 12.5 | 40.9 N. | 29.2 E. | Turkey. One killed and several injured at Istanbul. h about 33 km. Mag. 6¼ (PAS), 5¾-6 (PAL), 5.2 (CGS). |
| 18 | 17 18 00.8 | 3.3 S. | 139.9 E. | Western New Guinea. h about 90 km. Mag. 5.8 (CGS). |
| 18 | 20 37 52.1 | 3.8 S. | 134.7 E. | Western New Guinea. h about 32 km. Mag. 5.2 (CGS). |
| 18 | 21 03 50.7 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.8 (CGS). |
| 18 | 22 31 23* | 69.3 N. | 67.8 W. | Baffin Island region. h about 33 km. Mag. 3.9 (CGS). |
| 19 | 00 06 43.0 | 2.6 S. | 78.0 W. | Ecuador. h about 33 km. Mag. 4.3 (CGS). |
| 19 | 03 02 06* | 44.5 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 3.9 (CGS). |
| 19 | 05 54 08.0 | 22.5 S. | 67.5 W. | Bolivia-Argentina-Chile border region. h about 233 km. Mag. 4.3 (CGS). |
| 19 | 08 59 40.6 | 22.0 S. | 179.6 W. | Fiji Islands region. h about 563 km. Mag. 4.1 (CGS). |
| 19 | 10 59 57.0 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.4 (CGS). |
| 19 | 16 31 15.0 | 31.0 N. | 66.8 E. | Afghanistan-Pakistan border. h about 37 km. Mag. 4.2 (CGS). |
| 19 | 16 49 29.9 | 47.1 N. | 27.4 W. | North Atlantic Ocean. h about 33 km. Mag. 4.7 (CGS). |
| 19 | 18 55 57.8 | 19.7 S. | 177.7 W. | Fiji Islands region. h about 536 km. Mag. 3.5 (CGS). |
| 19 | 19 29 17.0 | 15.2 S. | 167.6 E. | New Hebrides Islands. h about 161 km. Mag. 4.3 (CGS). |
| 19 | 21 10 18* | 18.1 S. | 69.3 W. | Chile-Bolivia-Peru border. h about 174 km. Mag. 4.2 (CGS). |
| 19 | 23 57 58* | 0.2 N. | 124.0 E. | Northern Celebes. h about 122 km. Mag. 5.6 (CGS). |
| 20 | 02 21 29.1 | 17.4 S. | 69.6 W. | Peru-Bolivia-Chile border. h about 154 km. Mag. 3.7 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 20 | 02 21 29.1 | 17.4 S. | 69.6 W. | Peru-Bolivia-Chile border. h about 154 km. Mag. 3.7 (CGS). |
| 20 | 03 03 32.9 | 76.5 N. | 7.9 E. | Svalbard region. h about 33 km. Mag. 4.7 (CGS). |
| 20 | 04 00 36.1 | 11.3 S. | 77.6 W. | Near coast of Peru. h about 33 km. Mag. 4.5 (CGS). |
| 20 | 07 25 11.8 | 21.5 S. | 68.3 W. | Bolivia-Chile border. h about 125 km. Mag. 4.7 (CGS). |
| 20 | 11 09 37.0 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.8 (CGS). |
| 20 | 11 41 20.1 | 44.4 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 3.7 (CGS). |
| 20 | 14 41 22.6 | 21.5 S. | 68.0 W. | Chile-Bolivia border. h about 155 km. Mag. 4.8 (CGS). |
| 20 | 19 02 15.1 | 1.6 N. | 127.1 E. | Molucca Sea. h about 97 km. Mag. 5.1 (CGS). |
| 20 | 22 11 32.2 | 17.8 S. | 68.8 W. | Peru-Bolivia border. h about 171 km. Mag. 5.1 (CGS). |
| 21 | 00 41 56.6 | 37.1 N. | 95.4 E. | Tsinghai Province, China. h about 33 km. Mag. 4.6 (CGS). |
| 21 | 03 55 26.6 | 0.0 | 119.7 E. | Northern Celebes. h about 47 km. Mag. 4.4 (CGS). |
| 21 | 04 32 43.5 | 37.2 N. | 121.7 W. | Santa Clara County, California. Felt. h about 14 km. Mag. 4.2 (CGS). |
| 21 | 09 17 25.3 | 40.4 N. | 140.0 E. | Near east coast of Honshu, Japan. h about 179 km. Mag. 4.4 (CGS). |
| 21 | 09 58 57.5 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.9 (CGS). |
| 21 | 12 29 25.8 | 43.7 N. | 114.7 W. | Central Idaho. h about 33 km. Mag. 3.5 (CGS). |
| 21 | 16 24 24.1 | 19.2 N. | 155.5 W. | Hawaii Island, Hawaii. Felt. h about 5 km. Mag. 4.6 (CGS). |
| 21 | 16 28 04.7 | 23.0 S. | 179.8 E. | Fiji Islands. h about 483 km. Mag. 4.6 (CGS). |
| 21 | 16 53 28.2 | 54.9 N. | 161.5 E. | Near east cost of Kamchatka. h about 33 km. Mag. 4.5 (CGS). |
| 21 | 18 23 33.1 | 24.2 N. | 125.1 E. | Ryukyu Islands. h about 33 km. Mag. 4.3 (CGS). |
| 22 | 00 50 36.1 | 44.3 N. | 114.7 W. | Central Idaho. h about 15 km. Mag. 4.2 (CGS). |
| 22 | 00 56 10* | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 4.2 (CGS). |
| 22 | 02 16 08.6 | 16.3 S. | 178.5 E. | Fiji Islands. h about 33 km. Mag. 4.8 (CGS). |
| 22 | 02 49 03.4 | 52.5 N. | 174.9 W. | Andreanof Islands, Aleutian Islands. h about 105 km. Mag. 4.8 (CGS). |
| 22 | 02 56 24.3 | 19.3 S. | 175.9 E. | Fiji Islands region. h about 28 km. Mag. 5.8 (CGS). |
| 22 | 03 28 54.0 | 36.1 N. | 71.5 E. | Hindu Kush. h about 147 km. |
| 22 | 04 37 15.1 | 43.3 N. | 111.4 W. | Southeastern Idaho. h about 33 km. |
| 22 | 06 00 11.0 | 17.8 S. | 168.0 E. | New Hebrides Islands region. Felt at Port Vila. h about 33 km. Mag. 4.1 (CGS). |
| 22 | 06 30 01.7 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.6 (CGS). |
| 22 | 08 58 10.5 | 43.3 N. | 111.5 W. | Southeastern Idaho. h about 33 km. |
| 22 | 09 37 00* | 22.7 S. | 65.7 W. | Jujuy Province, Argentina. h about 203 km. Mag. 3.8 (CGS). |
| 22 | 09 56 44.0 | 43.3 N. | 111.6 W. | Southeastern Idaho. h about 33 km. Mag. 3.7 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 22 | 10 40 55.8 | 29.3 N. | 55.3 E. | Southern Iran. h about 33 km. Mag. 4.7 (CGS). |
| 22 | 11 23 05.2 | 5.2 S. | 150.6 E. | New Britain region. h about 45 km. Mag. 5.2 (CGS). |
| 22 | 14 55 01.2 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 4.1 (CGS). |
| 22 | 15 41 19.0 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 4.0 (CGS). |
| 22 | 15 58 06.1 | 41.9 N. | 126.7 W. | Off coast of northern California. h about 33 km. Mag. 4.3 (CGS). |
| 22 | 17 06 07.1 | 43.2 N. | 111.2 W. | Southeastern Idaho. h about 33 km. Mag. 3.9 (CGS). |
| 22 | 19 21 57.1 | 19.2 S. | 175.9 E. | Tonga Islands region. h about 24 km. Mag. 5.5 (CGS). |
| 22 | 19 28 42.2 | 10.3 S. | 165.1 E. | Santa Cruz Islands. h about 33 km. Mag. 4.7 (CGS). |
| 22 | 20 33 47.7 | 62.9 N. | 148.8 W. | Central Alaska. h about 53 km. Mag. 4.0 (CGS). |
| 22 | 21 13 32.6 | 44.3 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.9 (CGS). |
| 22 | 21 30 55.8 | 43.2 N. | 111.5 W. | Southeastern Idaho. h about 33 km. |
| 22 | 21 32 17.0 | 43.2 N. | 111.4 W. | Southeastern Idaho. h about 33 km. Mag. 3.4 (CGS). |
| 22 | 22 32 10.0 | 37.5 N. | 20.6 E. | Ionian Sea. h about 33 km. Mag. 4.6 (CGS). |
| 22 | 22 36 24* | 42.0 N. | 126.5 W. | Off coast of northern California. h about 33 km. Mag. 4.3 (CGS). |
| 23 | 00 28 55.9 | 19.0 S. | 169.7 E. | New Hebrides Islands. h about 217 km. Mag. 4.1 (CGS). |
| 23 | 01 30 32.7 | 43.2 N. | 111.3 W. | Southeastern Idaho. h about 33 km. Mag. 3.5 (CGS). |
| 23 | 05 37 46.5 | 7.3 S. | 122.1 E. | Flores Sea. h about 543 km. Mag. 5.0 (CGS). |
| 23 | 06 40 36.5 | 16.6 S. | 28.6 E. | Northern Rhodesia. Felt. h about 33 km. Mag. 5.5 (CGS). |
| 23 | 08 10 35.4 | 16.7 S. | 28.7 E. | Northern Rhodesia. h about 33 km. |
| 23 | 09 01 56.8 | 16.6 S. | 28.8 E. | Northern Rhodesia. Felt. h about 33 km. Mag. 6 (PAS), 5.8 (CGS). |
| 23 | 09 58 46.0 | 5.6 S. | 153.8 E. | New Britain. h about 80 km. Mag. 5.1 (CGS). |
| 23 | 10 21 03.6 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.6 (CGS). |
| 23 | 10 36 57* | 21.6 S. | 68.3 W. | Chile-Bolivia border. h about 33 km. Mag. 4.3 (CGS). |
| 23 | 12 17 08.6 | 44.4 N. | 114.8 W. | Central Idaho. h about 15 km. Mag. 3.9 (CGS). |
| 23 | 14 41 51.0 | 33.6 N. | 117.0 W. | Riverside County, California. Felt widely. Slight damage at Hemet and San Jacinto. h about 15 km. Mag. $4\frac{3}{4}$-5 (PAS), 4.3 (CGS). |
| 23 | 15 02 23.3 | 16.7 S. | 28.4 E. | Northern Rhodesia. h about 33 km. |
| 23 | 17 02 36.6 | 51.3 N. | 179.2 W. | Andreanof Islands, Aleutian Islands. h about 33 km. Mag. 5.2 (CGS). |
| 23 | 18 33 47.4 | 29.6 N. | 50.9 E. | Persian Gulf. h about 39 km. Mag. 4.7 (CGS). |
| 23 | 21 11 28.6 | 16.1 S. | 71.9 W. | Southern Peru. h about 126 km. Mag. 3.8 (CGS). |
| 23 | 22 23 37.7 | 16.6 S. | 28.7 E. | Northern Rhodesia. h about 33 km. Mag. 5.5 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. 23 | h m s 23 14 43.1 | ° 16.1 S. | ° 174.8 W. | Tonga Islands. h about 252 km. Mag. 4.0 (CGS). |
| 23 | 23 27 10.5 | 43.3 N. | 111.5 W. | Southeastern Idaho. h about 33 km. |
| 24 | 02 10 44.9 | 41.0 N. | 29.0 E. | Turkey. Minor damage at Istanbul. h about 33 km. Mag. 4.6 (CGS). |
| 24 | 05 33 31.0 | 17.8 N. | 100.9 W. | Off coast of Guerrero, Mexico. h about 33 km. Mag. 4.2 (CGS). |
| 24 | 06 31 50.5 | 44.8 N. | 111.0 W. | Yellowstone National Park, Wyoming. Felt at Mammoth and West Yellowstone. h about 33 km. Mag. 3.1 (CGS). |
| 24 | 06 35 52.1 | 44.9 N. | 111.0 W. | Yellowstone National Park, Woyming. Felt at Mammoth and West Yellowstone. h about 33 km. Mag. 4.7 (CGS). |
| 24 | 07 12 40* | 17 4 N. | 105.6 W. | Off coast of Jalisco, Mexico. h about 33 km. Mag. 4.0 (CGS). |
| 24 | 07 55 41.4 | 15.8 S. | 13.3 W. | Atlantic Ocean, south of Ascension Island. h about 33 km. Mag. 5.2 (CGS). |
| 24 | 08 30 01.6 | 28.6 S. | 68.4 W. | La Rioja Province, Argentina. h about 94 km. Mag. 4.9 (CGS). |
| 24 | 09 13 38* | 16.6 S. | 28.7 E. | Northern Rhodesia. h about 33 km. |
| 24 | 15 45 24.7 | 10.5 S. | 164.6 E. | Santa Cruz Islands region. h about 33 km. Mag. 4.6 (CGS). |
| 24 | 16 30 16.0 | 10.6 S. | 78.0 W. | Near coast of Peru. 4 injured, damage at Huaras and Casma. h about 80 km. Mag. 7 (PAS), 6½ (BRK), 6 (PAL), 6.0 (CGS). |
| 24 | 17 05 27.9 | 43.2 N. | 111.1 W. | Southeastern Idaho. h about 33 km. |
| 24 | 22 08 32.1 | 10.3 S. | 164.6 E. | Santa Cruz Islands. h about 33 km. Mag. 5.0 (CGS). |
| 24 | 22 21 57.8 | 10.6 S. | 165.1 E. | Santa Cruz Islands. h about 75 km. Mag. 4.3 (CGS). |
| 24 | 23 08 56.0 | 10.5 S. | 164.7 E. | Santa Cruz Islands. h about 42 km. Mag. 4.5 (CGS). |
| 25 | 00 47 38.0 | 16.5 N. | 86.6 W. | Off north coast of Honduras. h about 33 km. Mag. 4.3 (CGS). |
| 25 | 01 09 39.7 | 16.6 N. | 87.1 W. | Honduras. h about 33 km. Mag. 4.2 (CGS). |
| 25 | 06 11 20.9 | 10.5 S. | 164.5 E. | Santa Cruz Islands region. h about 34 km. Mag. 4.3 (CGS). |
| 25 | 07 03 54.6 | 16.7 S. | 28.7 E. | Northern Rhodesia. h about 33 km. Mag. 5.8 (CGS). |
| 25 | 12 46 42.0 | 15.2 S. | 167.4 E. | New Hebrides Islands. Felt at Santo. h about 122 km. Mag. 4.3 (CGS). |
| 25 | 13 21 31.1 | 10.5 S. | 164.6 E. | Santa Cruz Islands region. h about 33 km. Mag. 4.4 (CGS). |
| 25 | 13 44 21.9 | 10.3 S. | 164.4 E. | Santa Cruz Islands region. h about 43 km. Mag. 4.7 (CGS). |
| 25 | 14 00 54.6 | 10.2 S. | 164.6 E. | Solomon Islands region. h about 33 km. Mag. 4.9 (CGS). |
| 25 | 14 23 47.7 | 9.8 S. | 164.5 E. | Santa Cruz Islands region. h about 33 km. Mag. 4.6 (CGS). |
| 25 | 14 50 18.2 | 10.1 S. | 164.5 E. | Solomon Islands region. h about 33 km. Mag. 5.1 (CGS). |
| 25 | 15 01 37.4 | 10.4 S. | 164.4 E. | Santa Cruz Islands. h about 51 km. Mag. 4.7 (CGS). |
| 25 | 15 42 47.2 | 10.5 S. | 164.5 E. | Santa Cruz Islands region. h about 19 km. Mag. 4.3 (CGS). |
| 25 | 20 57 15.2 | 10.5 S. | 164.7 E. | Santa Cruz Islands region. h about 36 km. Mag. 4.6 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 26 | 01 11 34.2 | 10.4 S. | 164.6 E. | Santa Cruz Islands region. h about 33 km. Mag. 4.3 (CGS). |
| 26 | 04 20 21.5 | 56.5 N. | 153.4 W. | Kodiak Island region. h about 33 km. Mag. 4.8 (CGS). |
| 26 | 05 28 07.3 | 50.4 N. | 176.9 W. | Andreanof Islands, Aleutian Islands. h about 33 km. Mag. 5¾-6 (PAL), 5.3 (CGS). |
| 26 | 05 55 09.7 | 5.6 S. | 148.0 E. | New Britain region. h about 156 km. Mag. 4.9 (CGS). |
| 26 | 06 40 43.5 | 56.6 N. | 153.2 W | Kodiak Island region. h about 33 km. Mag. 4.8 (CGS). |
| 26 | 10 53 57.3 | 17.4 S. | 178.8 W. | Fiji Islands. h about 512 km. Mag. 4.0 (CGS). |
| 26 | 20 35 54.3 | 3.3 S. | 141.9 E. | Near east coast of New Guinea. h about 33 km. Mag. 5.3 (CGS). |
| 27 | 07 54 11* | 12.9 S. | 171.5 W. | Samoa Islands region. h about 33 km. Mag. 4.0 (CGS). |
| 27 | 10 04 04.7 | 10.8 N. | 62.2 W. | Near coast of Venezuela. Felt on Trinidad. h about 104 km. Mag. 4.6 (CGS). |
| 27 | 10 28 04.1 | 17.1 S. | 174.6 E. | Fiji Islands region. h about 33 km. Mag. 4.9 (CGS). |
| 27 | 11 04 17.3 | 11.3 N. | 126.0 E. | Off east coast of Leyte, Philippine Islands. h about 17 km. Mag. 5.3 (CGS). |
| 27 | 11 25 53.6 | 17.2 S. | 174.7 E. | Fiji Islands region. h about 33 km. Mag. 5.0 (CGS). |
| 27 | 14 49 32.3 | 21.3 S. | 179.0 W. | Fiji Islands. h about 354 km. Mag. 4.1 (CGS). |
| 27 | 16 26 49.8 | 37.0 N. | 141.3 E. | Off east coast of Honshu, Japan. h about 81 km. Mag. 4.1 (CGS). |
| 27 | 16 46 12* | 32.6 N. | 115.5 W. | Baja California. h about 33 km. Mag. 3.5 (CGS). |
| 27 | 17 09 33* | 27.9 N. | 66.1 E. | West Pakistan. h about 88 km. Mag. 4.7 (CGS). |
| 27 | 17 28 10.9 | 2.9 N. | 126.6 E. | Molucca Passage. h about 99 km. Mag. 5.5 (CGS). |
| 27 | 18 04 38.4 | 45.6 N. | 149.5 E. | Kurile Islands. h about 80 km. Mag. 4.7 (CGS). |
| 27 | 22 20 06.6 | 0.1 S. | 18.4 W. | Atlantic Ocean, northwest of Ascension Island. h about 33 km. Mag. 5.0 (CGS). |
| 28 | 00 33 55.1 | 49.8 S. | 125.9 E. | South of Australia. h about 33 km. |
| 28 | 03 01 11.6 | 20.5 S. | 174.3 W. | Tonga Islands. h about 33 km. Mag. 4.5 (CGS). |
| 28 | 03 30 48.8 | 14.3 S. | 13.7 W. | Atlantic Ocean, south of Ascension Island. h about 33 km. Mag. 5.0 (CGS). |
| 28 | 05 25 03.2 | 10.2 N. | 86.0 W. | Near west coast of Costa Rica. h about 33 km. Mag. 4.1 (CGS). |
| 28 | 05 25 25.9 | 17.8 S. | 178.6 W. | Fiji Islands. h about 548 km. Mag. 4.0 (CGS). |
| 28 | 06 00 25.4 | 22.9 N. | 94.5 E. | Western Burma. h about 108 km. Mag. 5.6 (CGS). |
| 28 | 06 58 12.7 | 31.5 S. | 179.6 E. | Kermadec Islands. h about 457 km. Mag. 5.0 (CGS). |
| 28 | 10 03 53.4 | 44.8 N. | 129.9 W. | Off coast of Oregon. h about 33 km. Mag. 3.7 (CGS). |
| 28 | 11 04 13.6 | 39.3 N. | 136.0 E. | Sea of Japan. h about 351 km. Mag. 3.8 (CGS). |
| 28 | 11 06 00.4 | 18.1 S. | 177.9 W. | Fiji Islands. h about 604 km. Mag. 3.9 (CGS). |
| 28 | 14 03 53.8 | 59.6 N. | 156.2 W. | Central Alaska. h about 33 km. Mag. 4.4 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. 28 | h m s 18 42 25.2 | ° 3.5 S. | ° 102.0 E. | Near coast of Sumatra. h about 29 km. Mag. 5.6 (CGS). |
| 28 | 19 08 02.7 | 43.3 N. | 111.3 W. | Southeastern Idaho. h about 33 km. Mag. 3.7 (CGS). |
| 28 | 23 11 01.2 | 13.4 S. | 166.3 E. | New Hebrides Islands. h about 53 km. Mag. 4.7 (CGS). |
| 29 | 00 00 34* | 28.3 N. | 112.0 W. | Gulf of California. h about 33 km. Mag. 4.0 (CGS). |
| 29 | 01 06 03.6 | 17.7 S. | 179.0 W. | Fiji Islands. h about 649 km. Mag. 3.9 (CGS). |
| 29 | 02 55 05* | 62.0 S. | 163.5 E. | Balleny Islands region. h about 33 km. |
| 29 | 05 58 23.7 | 43.4 N. | 111.4 W. | Southeastern Idaho. h about 33 km. Mag. 3.6 (CGS). |
| 29 | 06 05 32.5 | 43.3 N. | 111.4 W. | Southeastern Idaho. h about 33 km. |
| 29 | 10 06 43.4 | 28.8 S. | 177.8 W. | Kermadec Islands. h about 116 km. Mag. 3.1 (CGS). |
| 29 | 10 39 58.4 | 36.4 N. | 70.4 E. | Hindu Kush. h about 214 km. Mag. 4.8 (CGS). |
| 29 | 11 24 00* | 19.3 S. | 177.9 W. | Fiji Islands. h about 205 km. Mag. 3.8 (CGS). |
| 29 | 13 35 45.3 | 36.6 N. | 29.2 E. | Near north coast of Turkey. h about 33 km. Mag. 4.5 (CGS). |
| 29 | 15 31 31.4 | 36.1 N. | 72.0 E. | Hindu Kush. h about 150 km. Mag. 4.9 (CGS). |
| 29 | 18 16 21* | 0.1 S. | 130.4 E. | Spice Islands region. h about 33 km. |
| 29 | 19 31 22.7 | 13.5 N. | 57.5 E. | Arabian Sea. h about 33 km. |
| 29 | 19 35 01.6 | 6.0 N. | 125.3 E. | Mindanao, Philippine Islands. Felt at Davao and Santos. h about 117 km. Mag. 5.3 (CGS). |
| 29 | 20 31 10.1 | 21.6 N. | 142.9 E. | Volcano Islands region. h about 325 km. Mag. 4.6 (CGS). |
| 29 | 21 58 22.8 | 6.9 N. | 73.0 W. | Colombia. h about 157 km. Mag. 4.0 (CGS). |
| 29 | 22 16 38.6 | 36.1 N. | 18.0 E. | Ionian Sea. h about 47 km. Mag. 5.3 (CGS). |
| 29 | 22 44 02.9 | 14.4 N. | 91.9 W. | Guatemala. h about 61 km. Mag. 5-5¼ (PAL), 5.1 (CGS). |
| 29 | 23 05 22.5 | 14.3 N. | 92.0 W. | Guatemala. h about 33 km. Mag. 4.4 (CGS). |
| 29 | 23 08 20.8 | 14.5 N. | 92.0 W. | Guatemala. h about 42 km. Mag. 4.5 (CGS). |
| 30 | 01 12 28.6 | 7.0 S. | 130.3 E. | Banda Sea. h about 97 km. |
| 30 | 02 33 14.8 | 14.3 N. | 92.1 W. | Guatemala. h about 33 km. Mag. 4.1 (CGS). |
| 30 | 03 05 38.1 | 14.1 N. | 91.9 W. | Near west coast of Guatemala. h about 86 km. Mag. 4.5 (CGS). |
| 30 | 03 46 51.3 | 7.3 N. | 76.9 W. | Colombia. h about 33 km. Mag. 4.6 (CGS). |
| 30 | 06 35 44.3 | 28.2 N. | 111.3 W. | Gulf of California. h about 33 km. Mag. 4.2 (CGS). |
| 30 | 08 54 15.0 | 1.3 S. | 128.5 E. | Ceram Sea. h about 30 km. Mag. 4.9 (CGS). |
| 30 | 09 17 40.3 | 38.0 N. | 111.0 W. | Southern Utah. h about 15 km. Mag. 4.5 (CGS). |
| 30 | 09 42 28.1 | 14.7 S. | 177.5 W. | Samoa Islands region. h about 362 km. Mag. 4.2 (CGS). |
| 30 | 12 16 09* | 7.2 N. | 73.6 W. | Colombia. h about 116 km. Mag. 3.9 (CGS). |
| 30 | 12 36 25.4 | 52.6 N. | 169.5 W. | Fox Islands, Aleutian Islands. h about 33 km. Mag. 4.1 (CGS). |

| Date 1963 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° | ° | |
| 30 | 14 01 20.9 | 12.9 N. | 89.0 W. | Near coast of El Salvador. Felt at San Salvador. h about 65 km. Mag. 3.7 (CGS). |
| 30 | 15 40 46.3 | 2.2 S. | 134.1 E. | West New Guinea. h about 135 km. Mag. 4.7 (CGS). |
| 30 | 22 59 52.8 | 9.4 N. | 142.3 E. | Mariana Islands region. h about 33 km. Mag. 4.4 (CGS). |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 01 | |
| GUA EP | 00 16 59.4 |
| SEP 01 | |
| TUC E(P) | 01 41 19.0 |
| SEP 01 | |
| TUC EP | 03 40 48.8 |
| I | 40 52.9 |
| COL IP | 03 40 52.4 |
| SEP 01 | |
| COL EP | 04 19 26.0 |
| SEP 01 | |
| COL EP | 05 31 28.0 |
| SEP 01 | |
| EUR EP | 07 05 03.3 |
| SEP 01 | |
| COL EP | 08 05 23.0 |
| SEP 01 | |
| COL EP | 10 15 36.0 |
| SEP 01 | |
| ALQ EP | 10 31 44.1 |
| SEP 01 | |
| COL EP | 10 50 55.0 |
| SEP 01 | |
| H-11 11 13.7 | |
| 5.4N 082.4W | |
| h ABOUT 061KM | |
| BHP IP | 11 12 21.0 |
| IS | 13 20.0 |
| SJP EP | 11 15 52.0 |
| ALQ I(P) | 11 17 20.3 |
| TUC IP | 11 18 25.6 |
| E | 18 32.2 |
| GCA E(P) | 11 18 57.0 |
| BCN EP | 11 19 07.7 |
| FGU I(P) | 11 19 09.0 |
| EUR EP | 11 19 29.6 |
| HHM EP | 11 20 08.8 |
| COL EP | 11 22 47.0 |
| SEP 01 | |
| H-11 30 30.9 | |
| 40.6S 083.8W | |
| h ABOUT 033KM | |
| ALQ EP | 11 42 28.3 |
| COL EP | 11 49 09.0 |
| SEP 01 | |
| COL IP | 13 09 47.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BHP IP | 13 12 20.5 |
| IS | 13 10.0 |
| SEP 01 | |
| COL EP | 13 24 57.0 |
| SEP 01 | |
| COL EP | 13 44 40.0 |
| SEP 01 | |
| GUA E(P) | 15 22 12.4 |
| SEP 01 | |
| H-15 23 57.4 | |
| 50.2N 129.4W | |
| h ABOUT 033KM | |
| EUR EP | 15 27 24.7 |
| COL EP | 15 28 01.0 |
| ALQ EP | 15 28 54.0 |
| TUC E(P) | 15 28 55.0 |
| SEP 01 | |
| TUC E(P) | 15 40 14.1 |
| COL IP | 15 42 53.7 |
| SEP 01 | |
| COL EP | 17 22 20.0 |
| SEP 01 | |
| SJP EP | 19 06 22.5 |
| SEP 01 | |
| EUR EP | 19 26 12.6 |
| SEP 01 | |
| EUR EP | 19 45 17.1 |
| SEP 01 | |
| ALQ EP | 20 17 41.0 |
| I | 18 12.3 |
| SEP 01 | |
| COL IP | 21 14 13.1 |
| SEP 01 | |
| EUR EP | 21 39 02.6 |
| SEP 01 | |
| EUR E(P) | 22 11 06.7 |
| SEP 01 | |
| H-22 57 34.4 | |
| 11.3N 085.5W | |
| h ABOUT 120KM | |
| ALQ IP | 23 03 37.0 |
| GCA EP | 23 04 16.8 |
| FGU IP | 23 04 28.5 |
| EUR EP | 23 04 51.2 |
| HHM EP | 23 05 29.8 |
| EPCP | 07 10.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 01 | |
| H-23 28 08.4 | |
| 1.0N 028.4W | |
| h ABOUT 033KM | |
| HHM E(P) | 23 40 47.9 |
| EUR E(P) | 23 41 01.2 |
| SEP 01 | |
| BHP EP | 23 58 40.0 |
| SEP 02 | |
| H-01 34 31.6 | |
| 33.9N 074.7E | |
| h ABOUT 044KM | |
| COL IP | 01 46 16.8 |
| EUR EP' | 01 52 54.8 |
| SEP 02 | |
| EUR EP | 01 40 17.9 |
| ALQ EP | 01 41 49.4 |
| SEP 02 | |
| H-02 27 14.4 | |
| 24.3N 108.6W | |
| h ABOUT 033KM | |
| TUC E(P) | 02 29 07.0 |
| E | 31 30.0 |
| ALQ IP | 02 29 49.8 |
| EL | 32 49.0 |
| BCN EP | 02 30 16.7 |
| EL | 34 23.8 |
| GCA E(P) | 02 30 18.2 |
| EUR EP | 02 31 02.1 |
| FGU EP | 02 31 06.1 |
| SLC EP | 02 31 07.0 |
| RCD E(P) | 02 31 48.8 |
| HHM EP | 02 32 29.0 |
| SEP 02 | |
| H-03 46 14.8 | |
| 49.5N 128.3W | |
| h ABOUT 033KM | |
| EUR E(P) | 03 49 27.8 |
| TUC EP | 03 51 02.5 |
| ALQ E(P) | 03 51 04.0 |
| SEP 02 | |
| H-04 10 18.4 | |
| 14.1S 076.4W | |
| h ABOUT 041KM | |
| ALQ IP | 04 19 59.7 |
| TUC IP | 04 20 01.0 |
| FGU EP | 04 20 42.4 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR EP | 04 20 55.8 |
| SEP 02 | |
| EUR E(P) | 06 04 47.7 |
| SEP 02 | |
| COL EP | 06 24 49.0 |
| SEP 02 | |
| BCN EP | 06 51 47.8 |
| ES | 52 19.8 |
| SEP 02 | |
| H-06 52 10.9 | |
| 40.3N 145.3E | |
| h ABOUT 033KM | |
| COL EP | 07 00 22.2 |
| EUR EP | 07 03 30.5 |
| TUC IP | 07 04 15.2 |
| SEP 02 | |
| H-08 03 21.7 | |
| 52.5N 169.2W | |
| h ABOUT 033KM | |
| COL EP | 08 07 13.0 |
| HHM EP | 08 10 10.0 |
| EUR EP | 08 10 42.8 |
| E(PCP) | 13 02.8 |
| BCN EP | 08 11 07.5 |
| FGU E(P) | 08 11 08.1 |
| RCD E(P) | 08 11 21.7 |
| TUC IP | 08 11 44.1 |
| ALQ EP | 08 11 54.0 |
| I(PCP) | 13 34.0 |
| SEP 02 | |
| EUR IP | 09 28 48.0 |
| BCN EP | 09 29 06.8 |
| EL | 29 50.3 |
| SEP 02 | |
| TUC E(P) | 09 34 06.2 |
| SEP 02 | |
| BCN EP | 09 44 54.8 |
| SEP 02 | |
| SJP IP | 10 22 22.2 |
| IL | 22 51.5 |
| SEP 02 | |
| TUC EP | 11 33 10.3 |
| SEP 02 | |
| H-11 44 00.2 | |
| 45.4N 150.9E | |
| h ABOUT 033KM | |
| COL IP | 11 51 18.6 |
| HHM EP | 11 54 11.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR EP | 11 54 40.4 |
| BCN EP | 11 54 59.1 |
| RCD EP | 11 55 06.3 |
| ALQ EP | 11 55 34.2 |
| SEP 02 | |
| COL IP | 12 15 52.6 |
| SEP 02 | |
| H-13 02 07.0 | |
| 18.2S 062.6W | |
| h ABOUT 033KM | |
| ALQ EP | 13 13 00.0 |
| TUC EP | 13 13 19.0 |
| BCN E(P) | 13 13 22.1 |
| E | 16 45.6 |
| GCA EP | 13 13 25.5 |
| EUR E(P) | 13 14 06.5 |
| SEP 02 | |
| H-13 10 43.3 | |
| 26.2N 109.5W | |
| h ABOUT 033KM | |
| TUC EP | 13 12 15.8 |
| E | 14 11.9 |
| BUT EP | 13 15 15.8 |
| HHM E(P) | 13 15 40.0 |
| SEP 02 | |
| H-13 20 00.1 | |
| 29.1N 109.3W | |
| h ABOUT 033KM | |
| ALQ EP | 13 21 38.0 |
| BCN E(P) | 13 22 05.1 |
| E | 25 41.6 |
| EUR E(P) | 13 22 46.5 |
| E | 24 02.0 |
| SEP 02 | |
| H-13 27 37.4 | |
| 50.5N 129.4W | |
| h ABOUT 033KM | |
| HHM EP | 13 30 05.0 |
| E | 33 23.0 |
| BUT EP | 13 30 28.8 |
| UKI E(P) | 13 30 29.0 |
| EUR EP | 13 31 02.0 |
| IPCP | 36 08.3 |
| FGU E(P) | 13 31 32.1 |
| BCN EP | 13 31 47.6 |
| GCA E(P) | 13 31 55.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| RCD E(P) | 13 31 59.0 |
| E(S) | 35 36.0 |
| TUC EP | 13 32 37.0 |
| E | 34 32.2 |
| ALQ EP | 13 32 39.0 |
| E | 33 50.0 |
| SEP 02 | |
| H-13 30 03.8 | |
| 50.4N 129.1W | |
| h ABOUT 033KM | |
| HHM EP | 13 32 27.0 |
| UKI EP | 13 32 53.2 |
| EUR E(P) | 13 33 25.0 |
| COL IP | 13 34 07.0 |
| BCN E(P) | 13 34 18.6 |
| RCD E(P) | 13 34 20.5 |
| E(S) | 37 00.0 |
| SEP 02 | |
| BCN EP | 13 36 52.6 |
| SEP 02 | |
| PHI E(P) | 14 08 32.5 |
| ES | 13 57.1 |
| SEP 02 | |
| H-14 10 44.7 | |
| 25.7N 109.5W | |
| h ABOUT 033KM | |
| TUC IP | 14 12 21.2 |
| BCN EP | 14 13 26.0 |
| EL | 16 48.5 |
| GCA IP | 14 13 31.5 |
| EUR EP | 14 14 14.0 |
| EL | 19 15.0 |
| SLC E(P) | 14 14 18.5 |
| FGU I(P) | 14 14 20.6 |
| UKI E(P) | 14 15 00.0 |
| RCD EP | 14 15 07.7 |
| EL | 19 00.0 |
| E | 21 10.2 |
| BUT EP | 14 15 21.7 |
| HHM EP | 14 15 46.0 |
| ES | 20 05.0 |
| EL | 23 15.0 |
| CSC EP | 14 16 18.0 |
| ES | 20 56.0 |
| COL EP | 14 19 08.0 |
| CHK E(S) | 14 20 04.5 |
| EL | 23 54.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| WAS E | 14 20 26.0 |
| E | 26 10.0 |
| SEP 02 | |
| CSC E | 14 44 48.0 |
| TUC E(P) | 14 45 03.5 |
| ALQ E(P) | 14 45 49.5 |
| E | 48 30.0 |
| EUR E(P) | 14 47 00.0 |
| SEP 02 | |
| CSC EP | 15 59 26.0 |
| SEP 02 | |
| H-16 42 53.0 | |
| 6.0S 154.8E | |
| h ABOUT 321KM | |
| COL IP | 16 54 39.6 |
| SEP 02 | |
| H-17 40 15.4 | |
| 39.6N 110.1W | |
| h ABOUT 033KM | |
| FGU IP | 17 40 40.6 |
| IS | 41 00.1 |
| SLC IP | 17 40 43.0 |
| GCA EP | 17 41 00.2 |
| I | 41 01.5 |
| IS | 41 33.6 |
| EUR EP | 17 41 23.0 |
| BCN I(P) | 17 41 35.3 |
| E | 41 43.9 |
| EL | 42 49.3 |
| ALQ E(P) | 17 41 37.0 |
| E | 41 59.0 |
| TUC E(P) | 17 42 20.0 |
| SEP 02 | |
| RCD E(P) | 17 43 21.0 |
| SEP 02 | |
| TUC EP | 18 16 41.0 |
| SEP 02 | |
| COL EP | 18 25 08.0 |
| SEP 02 | |
| H-19 03 23.3 | |
| 20.7S 175.1W | |
| h ABOUT 033KM | |
| TUC EP | 19 15 37.0 |
| ALQ EP | 19 15 59.0 |
| SEP 02 | |
| GUA IP | 19 13 43.5 |
| ALQ EP | 19 18 33.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 02 | |
| H-19 34 40.1 | |
| 41.0N 141.9E | |
| h ABOUT 033KM | |
| COL IP | 19 42 58.5 |
| SEP 02 | |
| GUA E(P) | 20 57 29.0 |
| BUT E(P) | 21 07 04.0 |
| ES | 07 23.0 |
| SEP 02 | |
| GUA E(P) | 21 24 36.2 |
| SJP EP | 21 26 21.7 |
| CSC IP | 21 29 21.0 |
| ALQ EP | 21 32 16.0 |
| BUT E(P) | 21 33 24.0 |
| EUR EP | 21 33 31.7 |
| SEP 02 | |
| ALQ E(P) | 21 58 26.0 |
| SEP 02 | |
| GUA EP | 22 26 19.0 |
| SEP 02 | |
| TUC EP | 22 53 02.0 |
| EUR EP | 22 53 04.3 |
| GCA E(P) | 22 53 13.7 |
| ALQ EP | 22 53 23.0 |
| SEP 02 | |
| BHP IP | 23 09 58.0 |
| IS | 10 42.0 |
| SEP 02 | |
| H-23 45 00.1 | |
| 45.4N 150.8E | |
| h ABOUT 033KM | |
| COL IP | 23 52 16.9 |
| HON ES | 24 00 44.0 |
| EL | 06 52.0 |
| HHM EP | 23 55 11.0 |
| BUT EP | 23 55 25.8 |
| EUR EP | 23 55 40.3 |
| BCN EP | 23 56 00.2 |
| RCD E(P) | 23 56 06.3 |
| GCA E(P) | 23 56 10.4 |
| ALQ E(P) | 23 56 25.0 |
| TUC EP | 23 56 29.0 |
| CSC EP | 23 57 49.0 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| SEP 02 | | |
| CSC | E(P) | 23 59 46.0 |
| SEP 03 | | |
| EUR | EP | 00 53 12.2 |
| SEP 03 | | |
| TUC | E(P) | 01 02 18.1 |
| GUA | EP | 01 12 26.0 |
| SEP 03 | | |
| EUR | E(P) | 01 09 49.8 |
| | EL | 10 59.3 |
| SEP 03 | | |
| H-01 53 21.4 | | |
| 44.8N 150.9E | | |
| h ABOUT 059KM | | |
| COL | IP | 02 00 40.0 |
| SEP 03 | | |
| GCA | IP | 01 57 45.1 |
| | IS | 58 48.8 |
| SEP 03 | | |
| COL | IP | 03 16 03.0 |
| SEP 03 | | |
| GUA | EP | 04 17 12.0 |
| SEP 03 | | |
| H-04 57 56.7 | | |
| 45.0N 151.0E | | |
| h ABOUT 033KM | | |
| COL | IP | 05 05 16.8 |
| EUR | EP | 05 08 37.6 |
| ALQ | E(P) | 05 09 44.0 |
| SEP 03 | | |
| H-05 03 17.9 | | |
| 36.0N 140.7E | | |
| h ABOUT 033KM | | |
| HHM | EP | 05 14 46.0 |
| EUR | EP | 05 15 08.9 |
| SEP 03 | | |
| H-05 29 39.5 | | |
| 45.4N 150.9E | | |
| h ABOUT 033KM | | |
| COL | I(P) | 05 36 57.5 |
| HHM | EP | 05 39 51.2 |
| EUR | EP | 05 40 18.7 |
| | I | 40 31.7 |
| BCN | EP | 05 40 39.1 |
| RCD | E(P) | 05 40 45.8 |
| TUC | EP | 05 41 08.0 |
| ALQ | E(P) | 05 41 14.0 |
| SEP 03 | | |
| H-06 12 08.9 | | |
| 51.9N 173.5W | | |
| h ABOUT 050KM | | |
| COL | EP | 06 16 23.0 |
| HHM | IP | 06 19 19.2 |
| | E | 21 51.2 |
| EUR | IP | 06 19 49.3 |
| | I | 20 12.5 |
| BCN | EP | 06 20 13.5 |
| | I(pP) | 20 27.5 |
| GCA | E(P) | 06 20 24.0 |
| RCD | EP | 06 20 29.3 |
| TUC | IP | 06 20 51.0 |
| ALQ | EP | 06 20 57.5 |
| SEP 03 | | |
| COL | EP | 08 26 43.0 |
| EUR | E(P) | 08 30 37.5 |
| SEP 03 | | |
| COL | EP | 09 02 04.0 |
| SEP 03 | | |
| H-09 13 33.1 | | |
| 62.8N 025.2W | | |
| h ABOUT 033KM | | |
| COL | IP | 09 21 53.8 |
| RCD | E(P) | 09 22 01.8 |
| HHM | IP | 09 22 11.2 |
| | E | 22 25.2 |
| EUR | EP | 09 23 12.0 |
| TUC | IP | 09 23 38.0 |
| SEP 03 | | |
| COL | IP | 09 20 07.4 |
| EUR | E(P) | 09 21 29.5 |
| SEP 03 | | |
| RCD | EP | 09 27 13.7 |
| SEP 03 | | |
| RCD | E(P) | 09 31 20.0 |
| SEP 03 | | |
| RCD | E(P) | 09 45 09.0 |
| SEP 03 | | |
| EUR | EP | 10 28 02.6 |
| | I | 28 04.1 |
| | IS | 29 29.1 |
| BCN | EP | 10 28 46.6 |
| | IL | 29 38.9 |
| SEP 03 | | |
| COL | EP | 11 25 01.0 |
| SEP 03 | | |
| SJP | IP | 12 01 41.0 |
| | IS | 01 51.4 |
| SEP 03 | | |
| GUA | E(P) | 12 24 44.8 |
| SEP 03 | | |
| H-12 59 52.3 | | |
| 61.9N 150.4W | | |
| h ABOUT 116KM | | |
| COL | IP | 13 00 42.4 |
| HHM | E(P) | 13 05 01.2 |
| EUR | IP | 13 05 57.7 |
| ALQ | E(P) | 13 07 16.0 |
| SEP 03 | | |
| GUA | E(P) | 14 06 09.8 |
| SEP 03 | | |
| GUA | IP | 14 40 21.6 |
| | ES | 40 32.3 |
| SEP 03 | | |
| GUA | E(P) | 16 48 15.8 |
| SEP 03 | | |
| TUC | E(P) | 17 55 28.0 |
| SEP 03 | | |
| ALQ | E(P) | 18 11 14.0 |
| TUC | E(P) | 18 12 21.0 |
| BCN | E(P) | 18 12 48.8 |
| | EL | 14 35.0 |
| COL | IP | 18 17 39.7 |
| SEP 03 | | |
| EUR | E(P) | 18 13 39.9 |
| SEP 03 | | |
| EUR | EP | 18 16 44.4 |
| SEP 03 | | |
| H-18 37 42.6 | | |
| 06.9N 073.1W | | |
| h ABOUT 143KM | | |
| BHP | IP | 18 39 19.0 |
| | IS | 40 32.0 |
| SJP | IP | 18 40 47.8 |
| ALQ | EP | 18 45 18.0 |
| TUC | EP | 18 45 32.0 |
| RCD | EP | 18 45 49.0 |
| GCA | IP | 18 45 55.8 |
| FGU | IP | 18 46 01.1 |
| BCN | IP | 18 46 10.7 |
| EUR | IP | 18 46 27.3 |
| HHM | EP | 18 46 51.3 |
| COL | IP | 18 49 21.6 |
| SEP 03 | | |
| SIT | E(P) | 18 38 13.1 |
| | I | 38 18.0 |
| | ES | 40 40.5 |
| SJP | IP | 18 42 52.0 |
| | I | 43 04.0 |
| SEP 03 | | |
| COL | IP | 19 13 13.5 |
| SEP 03 | | |
| H-19 31 16.9 | | |
| 50.8N 133.5W | | |
| h ABOUT 033KM | | |
| EUR | EP | 19 35 11.0 |
| SEP 03 | | |
| COL | IP | 22 00 40.6 |
| SEP 03 | | |
| HHM | E(P) | 22 26 05.0 |
| | E(S) | 27 14.4 |
| EUR | EP | 22 26 20.1 |
| | E(S) | 27 15.0 |
| SEP 03 | | |
| TUC | E(P) | 22 45 07.0 |
| SEP 03 | | |
| H-23 28 25.1 | | |
| 16.8S 177.2W | | |
| h ABOUT 033KM | | |
| COL | EP | 23 40 55.0 |
| ALQ | E(P) | 23 40 56.0 |
| SEP 03 | | |
| SLC | EP | 23 46 39.4 |
| FGU | EP | 23 47 11.7 |
| SEP 04 | | |
| HHM | E(P) | 00 42 14.4 |
| | ES | 42 43.4 |
| SEP 04 | | |
| EUR | EP | 01 02 26.8 |
| SEP 04 | | |
| H-03 00 50.6 | | |
| 29.3N 127.5E | | |
| h ABOUT 253KM | | |
| COL | EP | 03 10 42.0 |
| HHM | EP | 03 12 59.8 |
| EUR | EP | 03 13 21.0 |
| FGU | IP | 03 13 35.4 |
| SEP 04 | | |
| H-03 29 54.5 | | |
| 52.1N 175.2W | | |
| h ABOUT 033KM | | |
| COL | EP | 03 34 16.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR EP | 03 37 43.0 |
| SEP 04 | |
| FGU IP | 03 41 24.5 |
| GUA IP | 03 49 03.9 |
| ES | 49 10.5 |
| SEP 04 | |
| TUC EP | 05 04 31.0 |
| SEP 04 | |
| H-05 06 47.0 | |
| 36.1N 005.3E | |
| h ABOUT 038KM | |
| SJP EP | 05 17 22.5 |
| COL IP | 05 18 37.5 |
| RCD EP | 05 18 37.9 |
| HHM EP | 05 18 53.4 |
| BUT EP | 05 18 59.0 |
| FGU I(P) | 05 19 08.6 |
| ALQ IP | 05 19 20.3 |
| E | 35 30.0 |
| GCA E(P) | 05 19 28.5 |
| EUR EPKKP | 05 37 21.5 |
| BCN EP | 05 19 41.6 |
| TUC IP | 05 19 42.0 |
| SEP 04 | |
| COL EP | 05 14 20.0 |
| UKI EP | 05 17 26.5 |
| EUR IP | 05 18 05.2 |
| E(S) | 19 01.0 |
| SEP 04 | |
| GUA EP | 06 02 28.9 |
| SEP 04 | |
| GUA IP | 08 29 57.8 |
| ES | 30 07.9 |
| SEP 04 | |
| GUA IP | 09 30 13.9 |
| IS | 30 29.4 |
| SEP 04 | |
| H-10 35 34.6 | |
| 7.9N 082.7W | |
| h ABOUT 033KM | |
| BHP IP | 10 36 25.0 |
| IS | 37 04.0 |
| ALQ E(P) | 10 42 23.0 |
| EUR EP | 10 43 37.4 |
| HHM E(P) | 10 44 02.0 |
| COL E(P) | 10 47 01.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 04 | |
| COL EP | 11 39 45.0 |
| SEP 04 | |
| BCN E(P) | 12 56 16.9 |
| EL | 56 56.4 |
| SEP 04 | |
| H-13 32 12.3 | |
| 71.3N 073.1W | |
| h ABOUT 033KM | |
| COL IP | 13 37 50.9 |
| IS | 42 34.0 |
| SIT EP | 13 38 15.0 |
| ES | 43 19.0 |
| HHM EP | 13 38 15.1 |
| E | 38 18.6 |
| ES | 43 11.6 |
| RCD E(P) | 13 38 26.5 |
| E(S) | 43 40.0 |
| BUT EP | 13 38 33.1 |
| ES | 43 38.1 |
| EL | 45 24.1 |
| PHI EP | 13 38 35.0 |
| IS | 43 38.6 |
| I | 47 54.5 |
| WAS I(P) | 13 38 50.0 |
| E(S) | 45 00.5 |
| FGU IP | 13 39 08.1 |
| SLC EP | 13 39 14.0 |
| ES | 44 57.2 |
| CSC IP | 13 39 26.0 |
| IS | 45 12.0 |
| I | 51 24.0 |
| EUR EP | 13 39 33.9 |
| GCA IP | 13 39 45.0 |
| ALQ IP | 13 39 49.3 |
| E | 51 00.0 |
| UKI EP | 13 39 55.5 |
| BCN EP | 13 40 00.1 |
| TUC EP | 13 40 19.0 |
| KIP IP | 13 43 12.8 |
| IS | 52 16.0 |
| HON IP | 13 43 13.0 |
| IS | 52 17.0 |
| SEP 04 | |
| SJP EP | 13 40 37.0 |
| SEP 04 | |
| CSC I | 14 09 55.0 |
| SEP 04 | |
| COL EP | 14 27 04.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 04 | |
| HHM E(P) | 15 21 14.0 |
| SEP 04 | |
| HHM E(P) | 15 29 09.7 |
| COL EP | 15 32 01.0 |
| BHP IP | 15 35 11.5 |
| IS | 35 26.0 |
| SEP 04 | |
| HHM E(P) | 15 38 36.7 |
| E | 41 41.7 |
| SEP 04 | |
| H-15 42 13.8 | |
| .9S 145.7E | |
| h ABOUT 033KM | |
| GUA E(P) | 15 45 37.5 |
| SEP 04 | |
| COL EP | 15 55 00.0 |
| SEP 04 | |
| ALQ EP | 17 41 52.5 |
| SEP 04 | |
| FGU EP | 17 48 51.0 |
| ES | 49 24.4 |
| SEP 04 | |
| HHM E(P) | 19 10 06.0 |
| E | 12 44.0 |
| SEP 04 | |
| BUT E(P) | 19 13 20.0 |
| RCD E(P) | 19 13 41.0 |
| SEP 04 | |
| HHM E(P) | 19 21 50.0 |
| E | 21 59.0 |
| ES | 22 33.0 |
| SEP 04 | |
| RCD E(P) | 20 11 31.6 |
| SEP 04 | |
| ALQ IP | 20 33 57.3 |
| SEP 04 | |
| H-21 20 18.5 | |
| 71.5N 072.8W | |
| h ABOUT 033KM | |
| ALQ EP | 21 27 57.0 |
| SEP 04 | |
| BUT E(P) | 21 35 31.0 |
| E | 35 58.0 |
| RCD E(P) | 21 36 17.5 |
| CSC EP | 21 39 40.0 |
| SEP 04 | |
| EUR E(P) | 21 40 17.3 |
| SEP 04 | |
| H-21 41 00.6 | |
| 71.6N 073.5W | |
| h ABOUT 033KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL IP | 21 46 39.0 |
| HHM E(P) | 21 47 18.0 |
| EUR E(P) | 21 48 21.3 |
| ALQ IP | 21 48 37.3 |
| TUC EP | 21 49 05.3 |
| SEP 04 | |
| EUR E(P) | 21 53 13.8 |
| PHI E(P) | 21 55 32.8 |
| CSC EP | 21 59 12.0 |
| SEP 04 | |
| ALQ E(P) | 22 00 57.0 |
| E | 02 09.0 |
| E | 08 34.5 |
| SEP 04 | |
| HHM E(P) | 22 27 47.0 |
| E | 30 29.0 |
| SEP 04 | |
| COL EP | 22 50 10.0 |
| RCD E(P) | 22 53 30.4 |
| TUC IP | 22 57 27.2 |
| SEP 04 | |
| FGU EP | 22 59 04.2 |
| SEP 04 | |
| HHM E(P) | 23 16 06.0 |
| E | 18 39.0 |
| SEP 04 | |
| FGU IP | 23 28 08.7 |
| SEP 05 | |
| GCA IP | 00 05 36.5 |
| COL IP | 00 09 13.1 |
| SEP 05 | |
| SLC EP | 00 27 36.1 |
| IS | 27 58.1 |
| FGU IP | 00 28 08.1 |
| E(S) | 28 30.6 |
| EUR EP | 00 28 20.4 |
| SEP 05 | |
| COL IP | 00 38 46.0 |
| SEP 05 | |
| H-00 55 59.1 | |
| 17.8S 178.5W | |
| h ABOUT 558KM | |
| EUR IP | 01 07 19.4 |
| I | 07 39.4 |
| TUC IP | 01 07 21.1 |
| COL IP | 01 07 38.7 |
| ALQ EP | 01 07 41.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| FGU IP | 01 07 44.6 |
| SEP 05 | |
| SJP IP | 02 28 50.4 |
| SEP 05 | |
| BCN EP | 03 16 57.6 |
| EL | 17 27.0 |
| SEP 05 | |
| FGU E(P) | 05 13 08.0 |
| ES | 13 32.5 |
| SEP 05 | |
| HHM E(P) | 09 55 12.0 |
| SEP 05 | |
| EUR EP | 09 59 47.9 |
| COL IP | 10 02 35.3 |
| SEP 05 | |
| EUR E(P) | 10 03 13.3 |
| SEP 05 | |
| COL IP | 10 23 34.8 |
| SEP 05 | |
| H-10 42 42.5 | |
| 18.0S 168.1E | |
| h ABOUT 033KM | |
| COL IP | 10 55 34.9 |
| BCN EP | 10 55 42.6 |
| EUR EP | 10 55 43.5 |
| SEP 05 | |
| COL EP | 10 44 37.0 |
| SEP 05 | |
| ALQ EP | 11 10 30.5 |
| SEP 05 | |
| H-11 36 31.6 | |
| 50.3N 129.1W | |
| h ABOUT 033KM | |
| HHM E(P) | 11 38 54.0 |
| BUT E(P) | 11 39 05.0 |
| EUR EP | 11 39 52.9 |
| FGU E(P) | 11 40 23.7 |
| COL IP | 11 40 35.8 |
| BCN E(P) | 11 40 44.1 |
| TUC EP | 11 41 29.0 |
| ALQ EP | 11 41 30.0 |
| E | 45 40.0 |
| SEP 05 | |
| PHI E(P) | 11 56 46.0 |
| SEP 05 | |
| EUR IP | 13 48 16.7 |
| IS | 48 39.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 05 | |
| HHM E(P) | 14 59 18.0 |
| SEP 05 | |
| ALQ E(P) | 15 05 58.0 |
| SEP 05 | |
| GCA IP | 16 44 38.3 |
| SEP 05 | |
| ALQ EP | 20 08 36.3 |
| SEP 05 | |
| SJP IP | 20 22 58.0 |
| ES | 23 24.4 |
| SEP 05 | |
| HHM E(P) | 22 39 02.0 |
| SEP 05 | |
| GCA EP | 22 45 19.1 |
| BCN EP | 22 45 23.9 |
| E | 45 52.0 |
| SEP 05 | |
| FGU E(P) | 22 47 43.2 |
| E(S) | 48 09.7 |
| SEP 05 | |
| H-23 43 05.0 | |
| 18.6N 106.8W | |
| h ABOUT 033KM | |
| TUC IP | 23 46 24.8 |
| ALQ E(P) | 23 46 43.7 |
| ES | 50 00.0 |
| BCN EP | 23 47 23.0 |
| GCA E(P) | 23 47 25.3 |
| EUR EP | 23 48 01.1 |
| E | 48 48.3 |
| FGU I(P) | 23 48 01.8 |
| HHM EP | 23 49 14.0 |
| SEP 06 | |
| BCN IP | 00 45 02.1 |
| E | 45 40.4 |
| EUR IP | 00 45 43.3 |
| EL | 47 15.3 |
| SJP EP | 00 53 00.6 |
| ES | 53 20.0 |
| SEP 06 | |
| GCA EP | 00 46 41.3 |
| ALQ E(P) | 00 46 53.5 |
| SEP 06 | |
| H-01 40 45.0 | |
| 19.3S 176.9W | |
| h ABOUT 066KM | |
| TUC EP | 01 52 55.1 |
| E | 54 22.3 |
| EUR EP | 01 53 01.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| FGU E(P) | 01 53 13.5 |
| ALQ EP | 01 53 16.0 |
| E | 53 52.5 |
| SEP 06 | |
| H-01 46 13.3 | |
| 71.5N 073.0W | |
| h ABOUT 033KM | |
| COL EP | 01 51 54.0 |
| HHM E(P) | 01 52 10.0 |
| EUR EP | 01 53 40.1 |
| SEP 06 | |
| FGU E(P) | 01 56 14.7 |
| ES | 56 47.7 |
| SEP 06 | |
| BUT E(P) | 02 00 10.0 |
| E | 00 29.0 |
| E | 02 25.0 |
| EUR EP | 02 00 32.2 |
| CSC EP | 02 05 24.0 |
| SEP 06 | |
| ALQ E(P) | 02 05 45.0 |
| E | 10 00.0 |
| EUR EP | 02 06 33.2 |
| SEP 06 | |
| BHP IP | 02 15 41.5 |
| IS | 15 50.0 |
| SEP 06 | |
| BHP IP | 02 30 41.5 |
| IS | 30 50.0 |
| SEP 06 | |
| ALQ EP | 02 39 18.5 |
| EUR E(P) | 02 39 39.5 |
| SEP 06 | |
| TUC EP | 02 42 03.1 |
| SEP 06 | |
| FGU E(P) | 02 33 22.0 |
| E | 33 57.4 |
| SEP 06 | |
| RCD E(P) | 03 16 33.5 |
| E(S) | 06 28 12.0 |
| ELQ | 39 30.0 |
| SEP 06 | |
| EUR E(P) | 03 56 20.5 |
| EL | 57 10.5 |
| SEP 06 | |
| HHM EP | 04 05 42.1 |
| SEP 06 | |
| H-05 29 54.1 | |
| 10.9S 164.8E | |
| h ABOUT 033KM | |
| COL E(P) | 05 42 31.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR EP | 05 42 46.9 |
| SEP 06 | |
| H-06 03 52.1 | |
| 36.4N 130.6E | |
| h ABOUT 033KM | |
| GUA IP | 06 09 24.5 |
| I(pP) | 09 34.9 |
| I(sP) | 09 44.9 |
| COL IP | 06 13 15.8 |
| HON ES | 06 23 08.0 |
| ESCS | 25 03.0 |
| ESS | 26 58.0 |
| EL | 30 29.0 |
| HHM E(P) | 06 15 58.2 |
| IpP | 16 11.2 |
| BUT EP | 06 16 01.6 |
| EUR IP | 06 16 14.6 |
| E(PP) | 19 50.6 |
| E(PPP) | 21 12.0 |
| SLC EP | 06 16 22.5 |
| FGU IP | 06 16 27.9 |
| BCN EP | 06 16 31.5 |
| GCA EP | 06 16 37.7 |
| TUC IP | 06 16 54.6 |
| EPP | 20 30.0 |
| E | 32 42.5 |
| ALQ EP | 06 16 58.3 |
| E(S) | 28 00.0 |
| SEP 06 | |
| EUR EP | 06 42 05.1 |
| SEP 06 | |
| H-08 10 26.5 | |
| 6.1N 126.2E | |
| h ABOUT 047KM | |
| COL IP | 08 22 48.1 |
| EUR EP' | 08 28 52.3 |
| SEP 06 | |
| H-10 16 38.9 | |
| 24.0S 179.9E | |
| h ABOUT 500KM | |
| GUA IP | 10 24 52.9 |
| BCN IP | 10 28 27.1 |
| TUC IP | 10 28 31.1 |
| I | 28 53.2 |
| EpP | 30 25.0 |
| I | 32 53.1 |
| EUR IP | 10 28 31.6 |
| EpP | 30 28.2 |
| E(PP) | 32 01.0 |
| GCA IP | 10 28 40.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SLC IP | 10 28 47.3 |
| ALQ IP | 10 28 50.7 |
| E(PP) | 30 49.0 |
| COL EP | 10 28 53.0 |
| FGU I(P) | 10 28 54.6 |
| HHM EP | 10 28 58.3 |
| SEP 06 | |
| COL IP | 10 25 19.4 |
| SEP 06 | |
| BCN EP | 11 10 38.0 |
| EL | 11 06.5 |
| SEP 06 | |
| FGU EP | 11 29 49.6 |
| IS | 30 23.1 |
| SEP 06 | |
| H-11 58 38.9 | |
| 55.4S 128.4W | |
| h ABOUT 033KM | |
| TUC E(P) | 12 11 30.0 |
| E | 11 44.5 |
| ALQ EP | 12 11 44.0 |
| EUR EP | 12 12 00.7 |
| SEP 06 | |
| EUR EP | 12 02 40.2 |
| SEP 06 | |
| EUR EP | 12 36 27.2 |
| SEP 06 | |
| TUC E(P) | 13 14 35.2 |
| SEP 06 | |
| BHP IP | 13 42 33.0 |
| FGU E(P) | 13 47 02.1 |
| E(S) | 47 30.8 |
| TUC E(P) | 13 47 04.0 |
| SEP 06 | |
| GCA IP | 13 55 50.3 |
| SEP 06 | |
| H-13 57 42.5 | |
| 2.2N 083.2W | |
| h ABOUT 033KM | |
| BHP IP | 13 59 35.5 |
| ALQ EP | 14 05 08.0 |
| TUC EP | 14 05 14.0 |
| BCN E(P) | 14 05 54.9 |
| FGU E(P) | 14 05 58.0 |
| EUR EP | 14 06 17.0 |
| SEP 06 | |
| TUC E(P) | 14 38 15.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| FGU EP | 14 38 52.0 |
| IS | 39 27.0 |
| BCN E(P) | 14 38 52.3 |
| EUR E(P) | 14 39 34.7 |
| SEP 06 | |
| COL EP | 14 48 48.0 |
| TUC E(P) | 14 49 23.0 |
| FGU E(P) | 14 52 08.5 |
| E(S) | 52 43.5 |
| SEP 06 | |
| FGU E(P) | 14 57 47.4 |
| ES | 58 21.0 |
| SEP 06 | |
| COL IP | 15 13 46.3 |
| SEP 06 | |
| COL EP | 16 24 45.0 |
| SJP IP | 16 31 32.6 |
| SEP 06 | |
| GUA E(P) | 18 00 13.9 |
| SEP 06 | |
| FGU EP | 18 45 24.3 |
| ES | 45 54.6 |
| SEP 06 | |
| H-19 23 55.7 | |
| 44.8N 117.1W | |
| h ABOUT 033KM | |
| BUT E(P) | 19 25 06.0 |
| I | 25 44.0 |
| HHM EP | 19 24 57.9 |
| I | 25 10.4 |
| IS | 25 50.4 |
| EUR IP | 19 25 18.1 |
| I(S) | 26 19.1 |
| FGU EP | 19 25 34.0 |
| SEP 06 | |
| BUT E(P) | 19 34 34.8 |
| E | 38 02.8 |
| SEP 06 | |
| H-20 03 23.3 | |
| 11.8N 138.5E | |
| h ABOUT 033KM | |
| GUA E(P) | 20 05 00.4 |
| COL EP | 20 14 46.0 |
| EUR E(P) | 20 16 40.9 |
| ALQ E(P) | 20 17 33.0 |
| SEP 06 | |
| FGU EP | 20 16 09.9 |
| IS | 16 39.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 06 | |
| H-20 31 46.1 | |
| 50.1N 129.5W | |
| h ABOUT 031KM | |
| HHM EP | 20 34 12.4 |
| UKI EP | 20 34 37.0 |
| EUR EP | 20 35 09.9 |
| FGU I(P) | 20 35 42.0 |
| COL IP | 20 35 51.4 |
| BCN EP | 20 35 54.2 |
| GCA E(P) | 20 36 02.5 |
| RCD E(P) | 20 36 06.2 |
| E(S) | 39 45.0 |
| EL | 41 00.0 |
| TUC EP | 20 36 45.1 |
| ALQ EP | 20 36 46.5 |
| SEP 06 | |
| EUR EP | 20 41 12.4 |
| TUC EP | 20 42 43.8 |
| ALQ E(P) | 20 43 04.0 |
| SEP 06 | |
| FGU EP | 20 47 17.3 |
| IS | 47 37.6 |
| SEP 06 | |
| H-20 56 59.9 | |
| 53.9N 165.6W | |
| h ABOUT 033KM | |
| COL I(P) | 21 00 20.6 |
| HHM EP | 21 03 25.4 |
| I | 03 32.3 |
| UKI EP | 21 03 27.0 |
| EUR IP | 21 04 01.2 |
| E(PCP) | 06 04.5 |
| FGU E(P) | 21 04 24.7 |
| BCN EP | 21 04 26.6 |
| I | 04 33.6 |
| GCA EP | 21 04 32.4 |
| RCD E(P) | 21 04 40.0 |
| EL | 15 00.0 |
| TUC IP | 21 05 06.2 |
| I | 05 13.2 |
| I | 05 28.2 |
| ALQ EP | 21 05 11.5 |
| E | 05 36.0 |
| SEP 06 | |
| BUT EP | 21 20 13.8 |
| IS | 20 38.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 06 | |
| KIP ET | 21 37 31.0 |
| SEP 06 | |
| H-22 19 35.2 | |
| 44.3N 114.7W | |
| h ABOUT 033KM | |
| HHM EP | 22 20 35.5 |
| I | 20 49.5 |
| EL | 21 44.5 |
| EUR EP | 22 20 48.9 |
| EL | 21 40.9 |
| FGU E(P) | 22 20 57.8 |
| ES | 22 09.4 |
| GCA E(P) | 22 21 43.9 |
| SEP 06 | |
| EUR EP | 22 28 53.4 |
| SEP 06 | |
| TUC IP | 22 57 07.3 |
| SEP 06 | |
| GUA E(P) | 23 52 03.9 |
| BCN EP | 23 58 59.3 |
| ES | 59 31.3 |
| SEP 07 | |
| EUR EP | 00 05 38.0 |
| SEP 07 | |
| GUA E(P) | 00 24 05.0 |
| BUT EP | 00 29 04.9 |
| SEP 07 | |
| H-01 16 55.1 | |
| 36.4N 130.6E | |
| h ABOUT 033KM | |
| GUA IP | 01 22 26.2 |
| COL IP | 01 26 17.3 |
| HON E | 01 36 08.0 |
| E | 38 25.0 |
| EL | 43 25.0 |
| KIP E | 01 36 11.0 |
| EL | 43 26.0 |
| HHM EP | 01 28 50.3 |
| EUR EP | 01 29 18.8 |
| SLC EP | 01 29 26.7 |
| FGU E(P) | 01 29 32.1 |
| BCN EP | 01 29 36.2 |
| GCA E(P) | 01 29 40.8 |
| TUC EP | 01 29 58.0 |
| E | 30 27.8 |
| ALQ EP | 01 30 01.3 |

| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| SEP 07 | | |
| GUA | EP | 01 58 21.4 |
| SEP 07 | | |
| BUT | E(P) | 02 18 57.0 |
| | E | 20 03.0 |
| SEP 07 | | |
| H-02 29 38.3 | | |
| 21.5S 174.6W | | |
| h ABOUT 033KM | | |
| TUC | IP | 02 41 52.3 |
| EUR | EP | 02 41 55.1 |
| GCA | E(P) | 02 42 04.3 |
| ALQ | IP | 02 42 16.7 |
| FGU | IP | 02 42 21.4 |
| COL | IP | 02 42 29.0 |
| SEP 07 | | |
| GUA | EP | 02 40 36.1 |
| SEP 07 | | |
| CSC | EP | 03 04 40.0 |
| SEP 07 | | |
| COL | EP | 03 22 58.0 |
| SEP 07 | | |
| COL | IP | 03 27 41.3 |
| SEP 07 | | |
| TUC | E(P) | 04 25 25.8 |
| SEP 07 | | |
| COL | EP | 05 08 10.0 |
| SEP 07 | | |
| BUT | E(P) | 06 24 03.0 |
| SEP 07 | | |
| RCD | E(P) | 06 45 32.7 |
| SEP 07 | | |
| H-07 13 39.9 | | |
| 45.4N 150.8E | | |
| h ABOUT 033KM | | |
| COL | IP | 07 20 58.0 |
| HON | ES | 07 29 30.0 |
| | EL | 35 27.0 |
| EUR | EP | 07 24 20.3 |
| FGU | E(P) | 07 24 38.8 |
| BCN | EP | 07 24 39.8 |
| RCD | EP | 07 24 47.0 |
| GCA | E(P) | 07 24 47.7 |
| TUC | EP | 07 25 09.0 |
| SEP 07 | | |
| H-08 26 36.2 | | |
| 18.9S 174.9W | | |
| h ABOUT 131KM | | |
| TUC | EP | 08 38 32.0 |
| COL | IP | 08 39 03.1 |
| SEP 07 | | |
| H-08 43 26.5 | | |
| 8.8S 117.5E | | |
| h ABOUT 081KM | | |
| HHM | EP' | 09 02 12.5 |
| EUR | IP' | 09 02 17.8 |
| | E | 02 44.3 |
| TUC | EP' | 09 02 30.3 |
| | ESKP | 05 42.3 |
| SEP 07 | | |
| H-08 50 57.5 | | |
| 11.7S 013.6W | | |
| h ABOUT 033KM | | |
| ALQ | E(P) | 09 04 48.0 |
| SEP 07 | | |
| COL | IP | 09 16 19.5 |
| CSC | E(P) | 09 17 35.0 |
| SEP 07 | | |
| SEP 07 | | |
| BUT | EP | 11 53 09.0 |
| | E | 54 15.5 |
| SEP 07 | | |
| COL | EP | 12 00 28.0 |
| SEP 07 | | |
| TUC | E(P) | 12 09 03.5 |
| SEP 07 | | |
| H-12 44 01.1 | | |
| 54.0N 160.3E | | |
| h ABOUT 110KM | | |
| COL | IP | 12 49 39.7 |
| HON | ES | 12 58 57.0 |
| | E | 13 02 15.0 |
| | EL | 04 33.0 |
| | ET | 12 40 16.0 |
| KIP | EP | 12 52 08.0 |
| | E | 54 19.0 |
| | ES | 58 54.0 |
| | EL | 13 04 34.0 |
| | ET | 40 10.0 |
| HHM | EP | 12 52 51.7 |
| EUR | IP | 12 53 30.5 |
| | I(pP) | 53 50.5 |
| SLC | IP | 12 53 39.0 |
| FGU | EP | 12 53 46.2 |
| BCN | IP | 12 53 52.4 |
| | E | 54 10.4 |
| RCD | IP | 12 53 53.7 |
| | E(S) | 13 01 50.0 |
| | EL | 09 10.0 |
| GCA | IP | 12 53 58.6 |
| TUC | IP | 12 54 25.0 |
| | I | 54 39.0 |
| | IpP | 54 46.4 |
| | EP'P' | 13 23 19.5 |
| ALQ | IP | 12 54 28.5 |
| | E | 13 11 44.0 |
| SEP 07 | | |
| H-13 44 51.9 | | |
| 7.1S 148.1E | | |
| h ABOUT 064KM | | |
| COL | EP | 13 57 26.0 |
| EUR | EP | 13 58 29.0 |
| SEP 07 | | |
| EUR | EP | 15 14 34.0 |
| | IS | 14 59.0 |
| SEP 07 | | |
| H-15 16 55.4 | | |
| 22.0S 179.6W | | |
| h ABOUT 558KM | | |
| TUC | IP | 15 28 34.0 |
| EUR | EP | 15 28 34.5 |
| ALQ | EP | 15 28 54.5 |
| SEP 07 | | |
| TUC | E(P) | 18 14 54.5 |
| ALQ | EP | 18 15 36.0 |
| | E | 18 39.0 |
| EUR | EP | 18 16 51.8 |
| HHM | EP | 18 18 17.6 |
| SEP 07 | | |
| H-18 50 10.9 | | |
| 22.7S 065.1W | | |
| h ABOUT 160KM | | |
| ALQ | EP | 19 01 04.7 |
| | EsP | 01 59.0 |
| TUC | EP | 19 01 07.0 |
| | E(sP) | 02 04.9 |
| EUR | EP | 19 01 56.1 |
| SEP 07 | | |
| COL | EP | 19 07 53.0 |
| SEP 07 | | |
| H-19 26 29.3 | | |
| 03.0S 130.4E | | |
| h ABOUT 033KM | | |
| GUA | IP | 19 31 21.2 |
| COL | EP | 19 39 27.0 |
| ALQ | EP' | 19 45 17.0 |
| SEP 07 | | |
| COL | EP | 19 44 48.0 |
| SEP 07 | | |
| H-20 01 26.1 | | |
| 26.7S 178.0W | | |
| h ABOUT 263KM | | |
| TUC | IP | 20 13 42.1 |
| ALQ | EP | 20 14 02.7 |
| SEP 07 | | |
| COL | EP | 20 29 24.8 |
| SEP 07 | | |
| TUC | EP | 21 06 02.6 |
| BCN | EP | 21 07 00.8 |
| SEP 07 | | |
| BCN | EP | 21 34 35.7 |
| SEP 07 | | |
| COL | EP | 21 43 23.0 |
| SEP 07 | | |
| COL | EP | 21 51 33.0 |
| TUC | IP | 21 53 11.6 |
| SEP 7 | | |
| H-22 00 57.1 | | |
| 27.5N 141.5E | | |
| h ABOUT 046KM | | |
| GUA | E(P) | 22 04 23.8 |
| COL | IP | 22 10 42.1 |
| HHM | IP | 22 12 56.8 |
| | I | 13 11.6 |
| EUR | IP | 22 13 09.2 |
| FGU | IP | 22 13 31.8 |
| ALQ | E(P) | 22 13 57.2 |
| SEP 07 | | |
| BOZ | EP | 22 20 32.0 |
| | ES | 20 50.0 |
| SEP 07 | | |
| FGU | IP | 23 07 37.9 |
| SEP 07 | | |
| SLC | EP | 23 09 16.6 |
| FGU | IP | 23 09 46.7 |
| | IS | 10 13.5 |
| EUR | EP | 23 10 04.7 |
| | EL | 10 46.7 |
| SEP 07 | | |
| SLC | EP | 23 13 10.8 |
| EUR | EP | 23 14 00.2 |
| | EL | 14 43.7 |
| SEP 07 | | |
| HHM | EP | 23 34 35.7 |
| | I(S) | 34 55.7 |
| EUR | EP | 23 36 29.2 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| SEP 07 | | |
| RCD | E(P) | 23 37 50.0 |
| COL | EP | 23 44 09.0 |
| SEP 08 | | |
| UKI | IP | 00 35 26.5 |
| | IS | 35 28.4 |
| SEP 08 | | |
| SLC | EP | 00 45 23.8 |
| | IS | 45 49.8 |
| FGU | EP | 00 45 55.7 |
| | ES | 46 23.8 |
| EUR | EP | 00 46 08.3 |
| | EL | 46 49.0 |
| SEP 08 | | |
| H-00 47 27.7 | | |
| 28.1S 176.8W | | |
| h ABOUT 057KM | | |
| KIP | E(P) | 00 56 42.0 |
| HON | E(P) | 00 56 44.0 |
| | IS | 01 04 02.0 |
| | E | 06 40.0 |
| | EL | 00 08 28.0 |
| BCN | EP | 01 00 07.2 |
| TUC | EP | 01 00 08.8 |
| EUR | EP | 01 00 13.1 |
| | EPKKP | 17 45.8 |
| GCA | EP | 01 00 19.3 |
| ALQ | EP | 01 00 29.3 |
| FGU | EP | 01 00 37.1 |
| COL | IP | 01 00 47.2 |
| SEP 08 | | |
| BHP | EP | 01 14 14.0 |
| SEP 08 | | |
| GUA | IP | 01 55 40.9 |
| SEP 08 | | |
| HON | EP | 02 55 14.0 |
| | IS | 03 02 56.0 |
| SEP 08 | | |
| FGU | EP | 03 20 32.5 |
| | E(S) | 20 54.5 |
| SEP 08 | | |
| COL | IP | 04 55 07.4 |
| SEP 08 | | |
| H-05 28 37.8 | | |
| 12.3N 087.9W | | |
| h ABOUT 031KM | | |
| FGU | IP | 05 35 22.9 |
| COL | IP | 05 39 25.5 |
| SEP 08 | | |
| H-05 32 26.4 | | |
| 23.7S 179.1E | | |
| h ABOUT 282KM | | |
| BCN | EP | 05 44 38.0 |
| EUR | EP | 05 44 41.8 |
| TUC | IP | 05 44 42.8 |
| GCA | EP | 05 44 51.2 |
| ALQ | EP | 05 45 03.3 |
| COL | IP | 05 45 03.8 |
| SEP 08 | | |
| COL | EP | 06 28 25.0 |
| SEP 08 | | |
| H-07 38 14.9 | | |
| 20.7S 178.3W | | |
| h ABOUT 573KM | | |
| TUC | IP | 07 49 44.0 |
| EUR | EP | 07 49 44.1 |
| COL | IP | 07 50 08.1 |
| SEP 08 | | |
| H-09 06 16.0 | | |
| 36.2S 100.5W | | |
| h ABOUT 033KM | | |
| BHP | EP | 09 15 02.0 |
| SJP | EP | 09 16 40.0 |
| TUC | IP | 09 17 21.0 |
| | E | 30 47.5 |
| ALQ | EP | 09 17 33.0 |
| | ES | 26 42.0 |
| CSC | EP | 09 17 39.0 |
| BCN | EP | 09 17 45.1 |
| EUR | EP | 09 18 06.2 |
| FGU | EP | 09 18 08.8 |
| HON | E | 09 39 46.0 |
| | EL | 43 00.0 |
| HHM | E(P) | 09 18 59.7 |
| SEP 08 | | |
| RCD | E(P) | 09 48 31.2 |
| SEP 08 | | |
| FGU | E(P) | 09 59 24.8 |
| | ES | 59 56.8 |
| SEP 08 | | |
| ALQ | EP | 12 04 30.0 |
| COL | EP | 12 04 59.0 |
| SEP 08 | | |
| COL | EP | 12 19 44.0 |
| SEP 08 | | |
| COL | EP | 15 31 43.0 |
| SEP 08 | | |
| HHM | EP | 16 55 21.7 |
| SEP 08 | | |
| ALQ | EP | 17 10 14.0 |
| SEP 08 | | |
| H-17 22 30.5 | | |
| 19.6N 109.4W | | |
| h ABOUT 033KM | | |
| TUC | IP | 17 25 31.2 |
| | I | 25 44.1 |
| BCN | EP | 17 26 28.9 |
| EUR | EP | 17 27 09.7 |
| FGU | EP | 17 27 16.4 |
| SEP 08 | | |
| H-19 29 47.6 | | |
| 21.9S 174.6W | | |
| h ABOUT 033KM | | |
| TUC | EP | 19 42 04.0 |
| EUR | EP | 19 42 07.3 |
| GCA | E(P) | 19 42 15.4 |
| ALQ | EP | 19 42 26.0 |
| COL | EP | 19 42 40.0 |
| SEP 08 | | |
| H-19 50 29.8 | | |
| 23.6S 179.8E | | |
| h ABOUT 550KM | | |
| KIP | IP | 19 58 31.9 |
| | E(sP) | 20 01 14.0 |
| HON | IP | 19 58 32.0 |
| | EPP | 20 00 34.0 |
| | I(sP) | 01 10.0 |
| | IS | 05 00.0 |
| | ISCS | 07 34.0 |
| | E(SS) | 08 19.0 |
| | E | 11 15.0 |
| GUA | IP | 19 58 37.6 |
| | ESCP | 20 02 54.9 |
| UKI | IP | 20 01 55.0 |
| | I▸P | 03 56.0 |
| TUC | IP | 20 02 12.0 |
| | I▸P | 04 12.0 |
| BCN | IP | 20 02 12.8 |
| | E▸P | 04 14.5 |
| | P'P' | 28 23.5 |
| EUR | IP | 20 02 16.9 |
| | E▸P | 04 18.9 |
| | EPP | 05 47.0 |
| | ES | 12 04.7 |
| | ESP | 13 00.7 |
| | E | 19 36.7 |
| | EPKKP | 20 11.7 |
| | E | 22 59.7 |
| | P'P' | 28 06.7 |
| | ESKPP' | 30 46.7 |
| GCA | IP | 20 02 25.4 |
| SLC | IP | 20 02 32.9 |
| COL | IP | 20 02 37.6 |
| ALQ | IP | 20 02 38.6 |
| | E | 05 27.0 |
| FGU | IP | 20 02 40.8 |
| | I▸P | 04 38.3 |
| | IPP | 06 24.3 |
| HHM | EP | 20 02 42.6 |
| | EPP | 06 27.6 |
| | E(PKKP) | 19 53.8 |
| BUT | IP | 20 02 42.7 |
| | I▸P | 04 55.7 |
| | EPP | 06 30.7 |
| RCD | E(P) | 20 03 06.0 |
| SJP | EP' | 20 08 15.0 |
| | EPP | 09 42.6 |
| | E(sP') | 11 01.5 |
| | ESKS | 14 23.2 |
| | EPKKP | 18 37.5 |
| SEP 08 | | |
| EUR | EP | 21 35 19.8 |
| GUA | E(P) | 21 44 52.9 |
| SEP 08 | | |
| ALQ | EP | 22 13 55.3 |
| SEP 08 | | |
| EUR | EP | 22 19 24.3 |
| SEP 08 | | |
| H-23 26 25.3 | | |
| 34.0S 180.0E | | |
| h ABOUT 309KM | | |
| EUR | EP | 23 39 09.8 |
| SEP 09 | | |
| H-00 19 02.7 | | |
| 22.6S 179.5W | | |
| h ABOUT 550KM | | |
| BCN | EP | 00 30 39.8 |
| TUC | IP | 00 30 44.1 |
| | E▸P | 32 49.0 |
| GCA | EP | 00 30 52.8 |
| EUR | I(P) | 00 30 53.9 |
| | E▸P | 32 59.0 |

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|---|---|---|
| | | h m s |
| ALQ | EP | 00 31 04.5 |
| FGU | IP | 00 31 08.1 |
| SEP 09 | | |
| FGU | E(P) | 00 48 44.4 |
| | ES | 49 16.1 |
| SEP 09 | | |
| FGU | E(P) | 01 28 18.0 |
| | ES | 28 50.2 |
| SEP 09 | | |
| H-02 45 45.5 | | |
| 4.4S 152.7E | | |
| h ABOUT 034KM | | |
| GUA | IP | 02 50 14.0 |
| HON | EP | 02 55 14.0 |
| | IS | 03 02 56.0 |
| | ESCS | 04 56.0 |
| | ESS | 06 35.0 |
| | EL | 08 20.0 |
| | ET | 53 54.0 |
| KIP | IP | 02 55 15.0 |
| | IS | 03 02 56.0 |
| COL | IP | 02 57 58.8 |
| | EP'P' | 03 24 30.0 |
| UKI | EP | 02 58 37.0 |
| | EPP | 03 02 04.0 |
| EUR | EP | 02 58 59.6 |
| | EPP | 03 02 45.0 |
| | EPPP | 04 48.5 |
| | E | 05 19.0 |
| | E | 09 50.5 |
| | EPKKP | 16 07.0 |
| | EP'P' | 24 11.5 |
| BCN | EP | 02 59 05.3 |
| | EPP | 03 02 53.8 |
| | P'P' | 24 26.8 |
| HHM | EP | 02 59 06.6 |
| | IP'n' | 03 24 11.6 |
| | I | 24 20.6 |
| TUC | E(P) | 02 59 21.7 |
| | EPKKP | 03 16 04.0 |
| | EP'P' | 24 02.1 |
| FGU | E(P) | 02 59 23.3 |
| BUT | E(P) | 02 59 24.0 |
| | EPP | 03 03 05.8 |
| | EPKKP | 15 59.0 |
| ALQ | EP | 02 59 37.5 |
| | EPP | 03 03 39.0 |
| | E(PS) | 12 46.0 |
| | E | 13 06.5 |
| BHP | EP' | 03 04 42.0 |
| CSC | EP' | 03 04 46.0 |
| | ESKS | 11 43.0 |
| SJP | EP' | 03 05 09.0 |
| | E | 08 47.0 |
| | ESKP | 09 00.0 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| SEP 09 | | |
| COL | EP | 03 16 33.0 |
| SEP 09 | | |
| BUT | EP | 04 00 01.9 |
| | ES | 00 32.9 |
| EUR | E(P) | 04 00 42.7 |
| | EL | 01 47.7 |
| SEP 09 | | |
| COL | IP | 04 45 04.8 |
| SEP 09 | | |
| HHM | E(P) | 06 37 29.6 |
| SEP 09 | | |
| BUT | E(P) | 08 25 33.0 |
| | ES | 25 59.0 |
| EUR | E(P) | 08 26 28.8 |
| | EL | 27 36.0 |
| SEP 09 | | |
| GUA | IP | 10 07 06.2 |
| | I | 07 18.0 |
| SEP 09 | | |
| ALQ | EP | 10 27 26.7 |
| SEP 09 | | |
| H-10 45 17.4 | | |
| 44.4N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | EP | 10 45 55.5 |
| | IS | 46 26.0 |
| HHM | EP | 10 46 19.7 |
| | ES | 47 12.6 |
| EUR | EP | 10 46 34.7 |
| | E(S) | 47 28.7 |
| FGU | E(P) | 10 46 36.7 |
| | EL | 49 15.7 |
| SEP 09 | | |
| EUR | E(P) | 10 53 40.9 |
| SEP 09 | | |
| BUT | E(P) | 10 58 43.0 |
| | ES | 59 13.0 |
| SEP 09 | | |
| H-12 21 19.5 | | |
| 12.3N 141.3E | | |
| h ABOUT 076KM | | |
| GUA | IP | 12 22 15.2 |
| COL | EP | 12 32 29.0 |
| SEP 09 | | |
| H-12 52 15.4 | | |
| 14.7S 167.4E | | |
| h ABOUT 182KM | | |
| EUR | EP | 13 04 53.0 |
| | EPP | 05 34.0 |
| BCN | E(P) | 13 04 45.8 |
| TUC | E(P) | 13 05 43.3 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| SEP 09 | | |
| TUC | E(P) | 13 36 47.0 |
| SEP 09 | | |
| BUT | EP | 13 42 45.0 |
| | ES | 43 18.0 |
| SEP 09 | | |
| ALQ | EP | 14 10 42.5 |
| SEP 09 | | |
| SJP | IP | 14 31 32.0 |
| | I | 32 31.8 |
| SEP 09 | | |
| ALQ | E(P) | 16 03 00.0 |
| SEP 09 | | |
| EUR | EP | 17 47 21.6 |
| | EL | 48 58.0 |
| TUC | E(P) | 17 47 24.0 |
| SEP 09 | | |
| H-17 58 33.3 | | |
| 23.5S 180.0E | | |
| h ABOUT 512KM | | |
| ALQ | E(P) | 18 10 42.0 |
| TUC | IP | 18 10 22.4 |
| EUR | EP | 18 10 22.8 |
| SEP 09 | | |
| EUR | IP | 18 06 42.4 |
| SEP 09 | | |
| ALQ | E(P) | 18 18 35.5 |
| BOZ | EP | 18 20 22.0 |
| | ES | 20 58.0 |
| SEP 09 | | |
| H-18 50 46.9 | | |
| 43.9N 113.3W | | |
| h ABOUT 033KM | | |
| BUT | EP | 18 51 23.2 |
| | IS | 51 54.2 |
| FGU | IP | 18 51 50.8 |
| HHM | E(P) | 18 51 53.6 |
| | E(S) | 51 47.6 |
| EUR | EP | 18 51 59.7 |
| | ES | 52 53.0 |
| SEP 09 | | |
| EUR | EP | 19 06 33.2 |
| | ES | 07 26.7 |
| SEP 09 | | |
| H-19 07 16.2 | | |
| 44.3N 114.7W | | |
| h ABOUT 015KM | | |
| BOZ | E(P) | 19 07 57.2 |
| | IS | 08 32.0 |
| BUT | IP | 19 07 58.2 |
| | IS | 08 24.2 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| HHM | E(P) | 19 08 19.0 |
| | ES | 09 21.0 |
| EUR | EP | 19 08 33.2 |
| FGU | EP | 19 08 33.5 |
| | I | 09 56.2 |
| SEP 09 | | |
| H-19 10 35.3 | | |
| 44.3N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 19 11 13.1 |
| | IS | 11 41.1 |
| BOZ | EP | 19 11 18.0 |
| HHM | EP | 19 11 38.5 |
| | EL | 12 44.5 |
| EUR | IP | 19 11 51.7 |
| FGU | E(P) | 19 11 56.8 |
| | EL | 13 13.2 |
| SEP 09 | | |
| EUR | E(P) | 19 23 01.7 |
| | E(S) | 23 54.0 |
| SEP 09 | | |
| BOZ | EP | 19 44 17.0 |
| | ES | 44 53.0 |
| BUT | EP | 19 44 18.4 |
| | ES | 44 47.2 |
| EUR | EP | 19 44 54.3 |
| | ES | 45 47.8 |
| SEP 09 | | |
| BOZ | EP | 20 14 02.0 |
| EUR | E(P) | 20 14 36.3 |
| | E(S) | 15 38.0 |
| SEP 09 | | |
| GCA | E(P) | 21 06 31.0 |
| SEP 09 | | |
| H-21 11 05.9 | | |
| 31.7S 178.4W | | |
| h ABOUT 033KM | | |
| EUR | EP | 21 24 11.8 |
| ALQ | EP | 21 24 22.0 |
| SEP 09 | | |
| TUC | IP | 22 20 52.0 |
| SEP 09 | | |
| HHM | EP | 22 48 37.5 |
| SEP 09 | | |
| TUC | EP | 22 59 25.6 |
| ALQ | E(P) | 23 00 35.0 |
| | E | 35 37.0 |
| SEP 09 | | |
| FGU | EP | 23 19 47.4 |
| | E(S) | 20 21.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 10 | |
| GUA IP | 00 57 21.5 |
| SEP 10 | |
| H-01 09 47.0 | |
| 14.0S 166.2E | |
| h ABOUT 064KM | |
| HON ES | 01 25 54.0 |
| EL | 32 15.0 |
| EUR EP | 01 22 39.0 |
| SEP 10 | |
| H-02 17 09.3 | |
| 44.3N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 02 17 47.5 |
| E(S) | 18 22.5 |
| BOZ E(P) | 02 17 50.5 |
| IS | 18 23.0 |
| HHM EP | 02 18 13.5 |
| EL | 19 12.5 |
| EUR EP | 02 18 25.0 |
| I(S) | 19 20.5 |
| FGU EP | 02 18 28.7 |
| SEP 10 | |
| H-03 33 23.2 | |
| 44.3N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 03 34 01.2 |
| BOZ E(P) | 03 34 04.5 |
| ES | 34 34.5 |
| HHM EP | 03 34 26.5 |
| EUR IP | 03 34 40.3 |
| ES | 35 36.0 |
| FGU EP | 03 34 42.2 |
| IL | 34 52.2 |
| I | 36 01.7 |
| SEP 10 | |
| BOZ EP | 04 16 58.0 |
| ES | 16 32.0 |
| EUR EP | 04 17 31.6 |
| ES | 18 25.1 |
| SEP 10 | |
| ALQ EP | 05 04 32.5 |
| SEP 10 | |
| H-05 31 03.1 | |
| 23.6S 178.9E | |
| h ABOUT 268KM | |
| EUR EP | 05 43 21.1 |
| COL EP | 05 43 42.0 |
| SEP 10 | |
| H-06 25 14.5 | |
| 23.0S 179.8E | |
| h ABOUT 520KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BCN EP | 06 36 55.7 |
| TUC IP | 06 37 02.0 |
| EPP | 38 59.0 |
| EUR IP | 06 37 02.4 |
| GCA IP | 06 37 11.0 |
| ALQ EP | 06 37 22.0 |
| COL IP | 06 37 23.0 |
| FGU IP | 06 37 25.8 |
| SEP 10 | |
| FGU EP | 06 42 22.1 |
| ES | 42 59.1 |
| EUR EP | 06 43 01.7 |
| SEP 10 | |
| FGU EP | 06 55 24.6 |
| ES | 55 59.1 |
| SEP 10 | |
| BOZ EP | 07 38 20.0 |
| FGU EP | 07 38 27.5 |
| ES | 39 01.5 |
| SEP 10 | |
| BOZ EP | 07 50 32.0 |
| FGU E(P) | 07 50 43.1 |
| ES | 51 21.0 |
| SEP 10 | |
| FGU IP | 08 45 16.0 |
| IS | 45 52.5 |
| COL EP | 08 49 55.0 |
| SEP 10 | |
| GUA EP | 09 04 29.0 |
| SEP 10 | |
| FGU EP | 09 58 46.4 |
| I | 58 49.2 |
| ES | 59 08.4 |
| GCA EP | 09 59 07.5 |
| E(S) | 59 43.0 |
| SEP 10 | |
| EUR EP | 10 59 17.2 |
| BCN EP | 10 59 17.6 |
| ALQ E(P) | 10 59 38.0 |
| SEP 10 | |
| H-11 29 33.4 | |
| 59.3N 151.6W | |
| h ABOUT 030KM | |
| COL IP | 11 31 00.2 |
| HHM EP | 11 34 49.5 |
| SEP 10 | |
| COL IP | 11 36 26.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 10 | |
| H-13 09 13.1 | |
| 36.1N 027.3E | |
| h ABOUT 050KM | |
| COL EP | 13 21 12.0 |
| SEP 10 | |
| ALQ IP | 13 12 00.0 |
| SEP 10 | |
| GCA IP | 14 05 42.0 |
| SEP 10 | |
| H-14 13 12.4 | |
| 00.1N 123.2E | |
| h ABOUT 160KM | |
| EUR EP' | 14 31 35.0 |
| SEP 10 | |
| GUA EP | 14 46 00.0 |
| SEP 10 | |
| ALQ E(P) | 15 07 27.0 |
| E | 07 52.0 |
| SEP 10 | |
| ALQ EP | 15 54 58.7 |
| SEP 10 | |
| COL EP | 16 11 47.0 |
| SEP 10 | |
| H-17 01 07.3 | |
| 53.8N 159.9W | |
| h ABOUT 033KM | |
| COL EP | 17 04 05.0 |
| EUR IP | 17 07 40.3 |
| EPCP | 10 22.3 |
| FGU I(P) | 17 08 05.5 |
| BCN EP | 17 08 06.0 |
| GCA IP | 17 08 16.8 |
| RCD EP | 17 08 21.4 |
| TUC IP | 17 08 42.0 |
| E(PCP) | 10 47.0 |
| ALQ EP | 17 08 53.7 |
| IPCP | 10 49.5 |
| SEP 10 | |
| EUR E(P) | 17 11 25.0 |
| I | 11 36.5 |
| EL | 12 41.0 |
| SEP 10 | |
| H-18 03 30.7 | |
| 55.2N 157.1W | |
| h ABOUT 033KM | |
| COL EP | 18 06 06.0 |
| EUR I(P) | 18 10 02.2 |
| SEP 10 | |
| EUR EP | 18 23 15.6 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 10 | |
| H-19 14 26.8 | |
| 19.0S 175.8E | |
| h ABOUT 033KM | |
| HON E(P) | 19 23 08.0 |
| ES | 30 09.0 |
| BCN EP | 19 27 01.0 |
| EUR EP | 19 27 07.2 |
| TUC IP | 19 27 10.8 |
| GCA EP | 19 27 17.2 |
| SLC E(P) | 19 27 22.8 |
| BUT EP | 19 27 30.3 |
| FGU I(P) | 19 27 31.3 |
| HHM E(P) | 19 27 31.4 |
| SEP 10 | |
| EUR E(P) | 19 32 31.5 |
| SEP 10 | |
| TUC E(P) | 19 36 02.0 |
| SEP 10 | |
| H-19 40 08.3 | |
| 28.9N 104.0W | |
| h ABOUT 033KM | |
| ALQ EP | 19 41 45.0 |
| E | 42 30.0 |
| TUC EP | 19 41 49.0 |
| SEP 10 | |
| GCA E(P) | 19 42 56.7 |
| SEP 10 | |
| FGU E(P) | 19 46 09.3 |
| RCD E(P) | 19 47 19.7 |
| SEP 10 | |
| EUR EP | 19 53 08.1 |
| SEP 10 | |
| ALQ EL | 21 13 57.3 |
| GCA EP | 21 14 19.0 |
| SEP 10 | |
| FGU IP | 21 30 55.7 |
| SEP 10 | |
| RCD E(P) | 21 39 37.0 |
| SEP 10 | |
| ALQ E(P) | 23 00 27.0 |
| E | 00 41.0 |
| SEP 10 | |
| SLC EP | 23 10 03.8 |
| ES | 10 34.6 |
| SEP 10 | |
| FGU E(P) | 23 42 44.6 |

| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| SEP 11 | | |
| H-00 12 27.2 | | |
| 44.3N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | EP | 00 13 05.4 |
| | I(S) | 13 36.4 |
| BOZ | E(P) | 00 13 09.2 |
| | ES | 13 45.0 |
| HHM | EP | 00 13 31.3 |
| | ES | 11 14 17.3 |
| EUR | EP | 00 13 44.4 |
| | ES | 14 38.0 |
| FGU | EP | 00 13 46.0 |
| | L | 15 05.2 |
| SEP 11 | | |
| KIP | IT | 00 33 52.0 |
| | I | 34 20.0 |
| HON | ET | 00 33 54.0 |
| | I | 34 20.0 |
| FGU | E(P) | 00 38 12.0 |
| SEP 11 | | |
| H-00 52 58.7 | | |
| 12.3N 059.5W | | |
| h ABOUT 033KM | | |
| SJP | EP | 00 55 06.4 |
| | E | 55 19.0 |
| | ES | 56 40.0 |
| EUR | EP | 01 02 40.6 |
| | IPCP | 03 36.6 |
| COL | I(P) | 01 05 07.7 |
| SEP 11 | | |
| H-00 53 12.7 | | |
| 4.1S 151.8E | | |
| h ABOUT 205KM | | |
| GUA | IP | 00 57 21.5 |
| EUR | IP | 01 06 10.9 |
| BCN | EP | 01 06 15.6 |
| SEP 11 | | |
| FGU | EP | 01 58 43.9 |
| | IS | 59 18.4 |
| SEP 11 | | |
| H-02 08 44.8 | | |
| 44.3N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | IP | 02 09 23.5 |
| | IS | 09 57.5 |
| BOZ | IP | 02 09 27.0 |
| | ES | 10 00.0 |
| SLC | IP | 02 09 48.8 |
| | I | 10 48.8 |
| HHM | EP | 02 09 49.1 |
| EUR | EP | 02 09 58.2 |
| FGU | IP | 02 10 03.4 |
| GCA | IP | 02 10 41.5 |
| BCN | E(P) | 02 10 45.2 |
| UKI | EP | 02 10 46.7 |
| | E | 11 26.5 |
| ALQ | EP | 02 11 29.0 |
| | E | 12 14.7 |
| | E(L) | 14 41.5 |
| TUC | IP | 02 11 45.0 |
| COL | IP | 02 14 34.6 |
| CSC | E(P) | 02 14 37.0 |
| SEP 11 | | |
| CSC | EP | 02 23 08.0 |
| | ES | 27 27.0 |
| SEP 11 | | |
| H-02 25 04.7 | | |
| 44.3N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 02 25 43.6 |
| | ES | 26 16.6 |
| BOZ | E(P) | 02 25 45.0 |
| | ES | 26 22.0 |
| HHM | EP | 02 26 10.3 |
| | EL | 27 10.0 |
| EUR | E(P) | 02 26 20.7 |
| | ES | 27 13.7 |
| SEP 11 | | |
| H-02 31 39.9 | | |
| 44.3N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | EP | 02 32 17.6 |
| | I | 32 21.5 |
| | E(S) | 32 48.6 |
| BOZ | E(P) | 02 32 21.0 |
| | ES | 32 55.0 |
| HHM | EP | 02 32 43.3 |
| | E(S) | 33 35.0 |
| EUR | EP | 02 32 56.7 |
| | ES | 33 51.0 |
| FGU | E(P) | 02 33 00.0 |
| SEP 11 | | |
| BUT | EP | 02 34 17.4 |
| | IS | 34 45.6 |
| BOZ | EP | 02 34 21.0 |
| | ES | 34 54.0 |
| HHM | E(P) | 02 34 39.0 |
| | E(S) | 35 25.0 |
| EUR | EP | 02 34 55.2 |
| | ES | 35 47.0 |
| SEP 11 | | |
| H-03 45 33.6 | | |
| 44.4N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 03 46 11.6 |
| | I | 46 18.0 |
| | E(S) | 46 49.0 |
| BOZ | E(P) | 03 46 15.0 |
| | ES | 46 49.0 |
| HHM | EP | 03 46 35.3 |
| | ES | 47 13.3 |
| EUR | EP | 03 46 49.6 |
| | ES | 47 43.6 |
| SEP 11 | | |
| BUT | EP | 03 50 12.6 |
| | E(S) | 50 41.2 |
| BOZ | E(P) | 03 50 15.0 |
| | ES | 50 49.0 |
| EUR | E(P) | 03 51 43.2 |
| | E(S) | 52 37.0 |
| SEP 11 | | |
| H-03 55 37.8 | | |
| 44.4N 114.8W | | |
| h ABOUT 015KM | | |
| BOZ | E(P) | 03 56 20.0 |
| | ES | 56 53.0 |
| HHM | E(P) | 03 56 49.8 |
| EUR | EP | 03 56 53.3 |
| | E(S) | 57 43.0 |
| SEP 11 | | |
| COL | EP | 04 25 19.0 |
| SEP 11 | | |
| EUR | E(P) | 04 41 27.8 |
| | EL | 51 28.0 |
| SEP 11 | | |
| COL | EP | 05 00 51.0 |
| SEP 11 | | |
| H-06 04 28.3 | | |
| 38.9N 118.1W | | |
| h ABOUT 033KM | | |
| EUR | IP | 06 04 55.7 |
| | IS | 05 19.2 |
| SEP 11 | | |
| GCA | EP | 06 07 15.7 |
| SEP 11 | | |
| EUR | EP | 06 16 21.8 |
| | ES | 16 45.8 |
| SEP 11 | | |
| UKI | E(P) | 06 26 12.0 |
| SEP 11 | | |
| H-06 31 54.7 | | |
| 19.0S 169.3E | | |
| h ABOUT 245KM | | |
| COL | IP | 06 44 24.2 |
| BCN | EP | 06 44 28.0 |
| EUR | EP | 06 44 30.8 |
| TUC | IP | 06 44 37.0 |
| SEP 11 | | |
| H-08 59 37.6 | | |
| 03.5S 131.2E | | |
| h ABOUT 033KM | | |
| GUA | EP | 09 04 29.0 |
| KIP | EP | 09 11 10.0 |
| COL | EP | 09 12 30.0 |
| EUR | E(P') | 09 17 26.9 |
| | EPP | 18 38.4 |
| TUC | EP' | 09 18 19.5 |
| ALQ | EP' | 09 18 25.0 |
| SJP | EP' | 09 20 04.5 |
| SEP 11 | | |
| H-09 42 04.7 | | |
| 44.3N 114.7W | | |
| h ABOUT 015KM | | |
| BOZ | E(P) | 09 42 45.1 |
| | ES | 43 18.0 |
| BUT | EP | 09 42 45.7 |
| | I | 42 45.7 |
| | ES | 43 12.7 |
| HHM | EP | 09 43 08.3 |
| | EL | 44 11.3 |
| EUR | EP | 09 43 19.7 |
| | E(S) | 44 10.0 |
| SEP 11 | | |
| H-09 49 05.4 | | |
| 16.8N 095.1W | | |
| h ABOUT 129KM | | |
| ALQ | E(P) | 09 53 36.3 |
| | E | 53 41.5 |
| | E | 55 50.0 |
| TUC | EP | 09 53 39.1 |
| SEP 11 | | |
| EUR | E(P) | 09 53 28.4 |
| SEP 11 | | |
| ALQ | EP | 10 14 07.0 |
| BOZ | EP | 10 15 10.1 |
| | ES | 15 40.0 |
| FGU | E(P) | 10 15 11.8 |
| EUR | E(P) | 10 15 53.4 |
| | EL | 16 53.0 |
| SEP 11 | | |
| COL | EP | 11 11 22.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 11 | |
| H-11 45 38.3 | |
| 18.5S 177.8W | |
| h ABOUT 611KM | |
| EUR EP | 11 56 55.3 |
| TUC EP | 11 56 56.0 |
| COL EP | 11 57 16.0 |
| SEP 11 | |
| H-11 59 41.0 | |
| 33.2N 110.7W | |
| h ABOUT 033KM | |
| TUC IP | 11 59 57.8 |
| ALQ IP | 12 00 40.7 |
| E | 00 52.0 |
| BCN EP | 12 00 45.8 |
| IS | 01 35.9 |
| GCA I(P) | 12 00 46.5 |
| IS | 01 26.0 |
| EUR EP | 12 01 32.4 |
| FGU EP | 12 01 34.2 |
| I | 01 43.7 |
| I | 03 38.2 |
| SLC E(P) | 12 02 01.3 |
| SEP 11 | |
| BUT E(P) | 12 03 40.8 |
| ES | 04 13.8 |
| BOZ E(P) | 12 03 41.0 |
| SEP 11 | |
| H-12 29 29.2 | |
| 44.3N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 12 30 07.8 |
| ES | 30 36.8 |
| BOZ E(P) | 12 30 10.5 |
| ES | 30 45.0 |
| HHM E(P) | 12 30 32.0 |
| EL | 31 35.3 |
| EUR EP | 12 30 46.5 |
| ES | 31 38.5 |
| FGU E(P) | 12 30 48.7 |
| SEP 11 | |
| BUT E(P) | 13 35 46.8 |
| ES | 36 18.8 |
| BOZ EP | 13 35 47.0 |
| SEP 11 | |
| EUR EP | 13 46 25.0 |
| EL | 47 31.0 |
| SEP 11 | |
| GCA IP | 14 01 43.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 11 | |
| BOZ E(P) | 14 43 02.0 |
| GUA IP | 14 46 00.0 |
| SEP 11 | |
| H-18 21 52.2 | |
| 44.2N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 18 22 32.7 |
| E(S) | 22 54.7 |
| BOZ E(P) | 18 22 34.0 |
| ES | 23 09.0 |
| HHM EP | 18 22 57.3 |
| ES | 23 52.3 |
| EUR E(P) | 18 23 05.6 |
| E(S) | 24 57.0 |
| SEP 11 | |
| H-18 24 28.6 | |
| 44.3N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 18 25 01.7 |
| E(S) | 25 30.7 |
| BOZ EP | 18 25 11.0 |
| ES | 25 47.0 |
| HHM E(P) | 18 25 42.3 |
| ES | 26 26.3 |
| EUR IP | 18 25 45.6 |
| I(S) | 26 33.6 |
| FGU E(P) | 18 25 54.4 |
| EL | 27 08.4 |
| SEP 11 | |
| ALQ IP | 19 13 42.7 |
| SEP 11 | |
| UKI EP | 19 26 42.0 |
| SEP 11 | |
| ALQ EP | 20 25 14.0 |
| E | 25 49.5 |
| SEP 11 | |
| H-20 34 53.9 | |
| 44.3N 114.7W | |
| h ABOUT 015KM | |
| BOZ E(P) | 20 35 34.0 |
| ES | 36 13.0 |
| BUT EP | 20 35 34.7 |
| ES | 36 04.8 |
| EUR EP | 20 36 11.1 |
| EL | 36 18.1 |
| SEP 11 | |
| ALQ EP | 21 02 46.0 |
| E | 03 28.0 |
| GCA EP | 21 03 11.4 |
| SEP 11 | |
| RCD E(P) | 21 21 54.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 11 | |
| H-22 20 26.6 | |
| 33.1S 178.2W | |
| h ABOUT 021KM | |
| TUC EP | 22 33 32.0 |
| EUR EP | 22 33 37.6 |
| SEP 11 | |
| EUR IP | 22 29 44.4 |
| IS | 29 53.4 |
| SEP 11 | |
| ALQ EP | 22 58 40.0 |
| SEP 11 | |
| H-23 40 48.9 | |
| 40.7N 112.1W | |
| h ABOUT 000KM | |
| SLC IP | 23 40 54.8 |
| IS | 41 16.0 |
| FGU IP | 23 41 25.2 |
| EUR EP | 23 41 40.1 |
| EL | 42 19.0 |
| SEP 12 | |
| BOZ EP | 01 07 27.0 |
| E(S) | 08 05.0 |
| SEP 12 | |
| COL EP | 01 56 14.0 |
| SEP 12 | |
| H-02 28 53.2 | |
| 22.0S 067.6W | |
| h ABOUT 160KM | |
| ALQ EP | 02 39 33.5 |
| TUC IP | 02 39 36.1 |
| FGU E(P) | 02 40 12.3 |
| EUR EP | 02 40 24.7 |
| HHM EP | 02 40 54.3 |
| SEP 12 | |
| H-03 11 53.9 | |
| 22.5S 170.7E | |
| h ABOUT 054KM | |
| HON E(S) | 03 28 42.0 |
| EL | 36 44.0 |
| EUR EP | 03 24 59.2 |
| COL EP | 03 25 01.0 |
| SJP EP' | 03 30 52.3 |
| SEP 12 | |
| H-03 26 19.4 | |
| 13.5S 166.5E | |
| h ABOUT 068KM | |
| COL EP | 03 38 50.0 |
| SEP 12 | |
| BOZ E(P) | 03 55 06.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 12 | |
| BOZ EP | 05 52 44.0 |
| ES | 53 11.0 |
| FGU EP | 05 52 47.0 |
| IS | 53 20.5 |
| SEP 12 | |
| H-06 23 50.6 | |
| 44.3N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 06 24 27.8 |
| IL | 25 13.8 |
| BOZ I(P) | 06 24 31.0 |
| SLC EP | 06 24 54.0 |
| IL | 24 57.8 |
| HHM EP | 06 24 54.2 |
| EUR IP | 06 25 02.9 |
| FGU EP | 06 25 08.8 |
| I | 25 11.3 |
| IL | 26 28.6 |
| GCA EP | 06 25 46.7 |
| RCD EP | 06 25 55.1 |
| E(S) | 27 24.0 |
| ALQ E(P) | 06 26 47.7 |
| EL | 30 00.0 |
| TUC IP | 06 26 51.1 |
| I | 27 06.3 |
| COL IP | 06 29 39.7 |
| SEP 12 | |
| BUT EP | 06 34 33.8 |
| BOZ EP | 06 34 35.0 |
| HHM E(P) | 06 35 05.3 |
| EUR EP | 06 35 09.8 |
| CSC EP | 06 38 37.0 |
| WAS EP | 06 39 04.0 |
| E | 41 25.0 |
| SEP 12 | |
| EUR E(P) | 06 40 02.3 |
| SEP 12 | |
| EUR I(P) | 06 41 22.8 |
| SEP 12 | |
| BOZ EP | 06 45 50.0 |
| ES | 46 26.0 |
| BUT E(P) | 06 45 50.0 |
| ES | 46 15.0 |
| HHM EP | 06 46 14.3 |
| EL | 47 17.3 |
| EUR EP | 06 46 25.3 |
| EL | 47 35.0 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| SEP 12 | | |
| BUT | EP | 06 47 27.8 |
| | ES | 47 57.8 |
| BOZ | EP | 06 47 32.0 |
| HHM | E(P) | 06 47 59.3 |
| | E(S) | 48 55.3 |
| EUR | EP | 06 48 05.2 |
| | ES | 48 58.9 |
| SEP 12 | | |
| BUT | EP | 06 50 32.8 |
| | ES | 51 01.8 |
| BOZ | EP | 06 50 36.0 |
| HHM | E(P) | 06 51 02.3 |
| | ES | 52 02.3 |
| EUR | EP | 06 51 08.3 |
| | IS | 53 00.5 |
| SEP 12 | | |
| H-06 53 00.9 | | |
| 44.2N 114.5W | | |
| h ABOUT 033KM | | |
| BUT | EP | 06 53 37.8 |
| | ES | 54 07.8 |
| BOZ | E(P) | 06 53 38.0 |
| EUR | IP | 06 54 13.8 |
| | IL | 55 22.0 |
| SEP 12 | | |
| BUT | E(P) | 06 54 39.0 |
| | ES | 55 10.8 |
| HHM | E(P) | 06 54 49.3 |
| EUR | E(P) | 06 55 08.3 |
| | IL | 56 10.0 |
| SEP 12 | | |
| BOZ | E(P) | 07 00 20.0 |
| | ES | 00 52.0 |
| SEP 12 | | |
| BOZ | EP | 07 08 43.0 |
| EUR | EP | 07 09 17.3 |
| | IL | 10 27.3 |
| SEP 12 | | |
| H-07 25 01.9 | | |
| 51.6N 177.4E | | |
| h ABOUT 040KM | | |
| COL | IP | 07 29 58.0 |
| EUR | IP | 07 33 28.3 |
| SEP 12 | | |
| BOZ | EP | 07 35 23.0 |
| | ES | 36 02.0 |
| SEP 12 | | |
| BOZ | E(P) | 08 00 15.0 |
| | ES | 00 54.0 |
| EUR | EP | 08 02 03.3 |
| SEP 12 | | |
| H-08 01 21.6 | | |
| 44.4N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | EP | 08 01 57.8 |
| | ES | 03 27.8 |
| BOZ | E(P) | 08 02 03.0 |
| | E(S) | 02 37.0 |
| HHM | EP | 08 02 24.3 |
| | ES | 03 09.3 |
| EUR | IP | 08 02 37.8 |
| | IS | 03 39.3 |
| FGU | EP | 08 02 42.3 |
| | I | 02 52.2 |
| | IL | 03 59.8 |
| SEP 12 | | |
| H-08 18 57.9 | | |
| 34.9N 032.2E | | |
| h ABOUT 055KM | | |
| COL | IP | 08 31 06.3 |
| HHM | EP | 08 32 02.4 |
| SEP 12 | | |
| BOZ | EP | 08 46 09.2 |
| SEP 12 | | |
| H-09 01 09.0 | | |
| 44.4N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 09 01 48.8 |
| | ES | 02 17.8 |
| BOZ | E(P) | 09 01 49.2 |
| | ES | 02 27.0 |
| HHM | E(P) | 09 02 12.4 |
| | E(L) | 03 19.4 |
| EUR | EP | 09 02 26.0 |
| | IL | 03 34.0 |
| SEP 12 | | |
| H-09 19 04.8 | | |
| 44.3N 114.8W | | |
| h ABOUT 015KM | | |
| BOZ | E(P) | 09 19 45.2 |
| | E(S) | 20 22.0 |
| BUT | EP | 09 19 45.8 |
| | ES | 20 15.8 |
| HHM | E(P) | 09 20 16.4 |
| | EL | 21 12.4 |
| EUR | EP | 09 20 21.4 |
| | IL | 21 30.0 |
| SEP 12 | | |
| H-09 59 44.9 | | |
| 47.0N 152.6E | | |
| h ABOUT 060KM | | |
| COL | IP | 10 06 43.6 |
| EUR | IP | 10 10 10.1 |
| | E | 10 20.1 |
| SEP 12 | | |
| BOZ | EP | 10 44 29.8 |
| | ES | 45 11.0 |
| SEP 12 | | |
| H-11 12 03.0 | | |
| 08.2S 164.4E | | |
| h ABOUT 033KM | | |
| EUR | EP | 11 24 47.8 |
| SEP 12 | | |
| H-11 16 47.3 | | |
| 44.4N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | EP | 11 17 24.8 |
| | ES | 17 55.8 |
| BOZ | E(P) | 11 17 28.0 |
| | IS | 18 06.0 |
| EUR | EP | 11 18 03.8 |
| | IS | 18 55.0 |
| FGU | EP | 11 18 07.6 |
| | IL | 19 25.8 |
| SEP 12 | | |
| ALQ | EP | 11 36 47.5 |
| SEP 12 | | |
| H-12 28 22.6 | | |
| 44.3N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | EP | 12 29 00.8 |
| | ES | 29 32.8 |
| BOZ | E(P) | 12 29 04.0 |
| | ES | 29 41.0 |
| SLC | E(P) | 12 29 26.9 |
| HHM | EP | 12 29 27.3 |
| | E(S) | 30 12.4 |
| EUR | EP | 12 29 39.4 |
| | ES | 30 28.9 |
| FGU | EP | 12 29 44.4 |
| | EL | 31 00.1 |
| SEP 12 | | |
| RCD | E(P) | 12 47 25.6 |
| COL | EP | 12 47 29.0 |
| SEP 12 | | |
| H-13 10 17.9 | | |
| 07.7N 035.9W | | |
| h ABOUT 033KM | | |
| FGU | E(P) | 13 21 44.6 |
| HHM | EP | 13 22 06.9 |
| | E | 22 18.0 |
| BCN | EP | 13 22 10.3 |
| EUR | IP | 13 22 13.8 |
| COL | EP | 13 23 25.0 |
| SEP 12 | | |
| H-14 10 57.8 | | |
| 19.0S 175.9E | | |
| h ABOUT 033KM | | |
| EUR | EP | 14 23 37.8 |
| TUC | EP | 14 23 40.2 |
| COL | EP | 14 23 44.0 |
| SEP 12 | | |
| ALQ | E(P) | 15 14 40.5 |
| SEP 12 | | |
| ALQ | IP | 15 21 27.0 |
| SEP 12 | | |
| COL | EP | 17 09 03.0 |
| SEP 12 | | |
| BOZ | IP | 17 55 48.0 |
| SEP 12 | | |
| BOZ | E(P) | 18 25 22.0 |
| | ES | 26 02.0 |
| SEP 12 | | |
| BUT | EP | 18 28 02.8 |
| | ES | 28 32.8 |
| BOZ | EP | 18 28 05.0 |
| | ES | 28 38.0 |
| SEP 12 | | |
| GCA | IP | 18 35 37.2 |
| COL | EP | 18 37 09.0 |
| SEP 12 | | |
| COL | IP | 19 45 45.8 |
| SEP 12 | | |
| H-20 15 06.3 | | |
| 44.4N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 20 15 43.8 |
| | ES | 16 17.8 |
| BOZ | EP | 20 15 48.5 |
| HHM | EP | 20 16 06.4 |
| | EL | 17 05.4 |
| EUR | EP | 20 16 22.8 |
| | IS | 17 14.8 |
| FGU | E(P) | 20 16 35.7 |
| SEP 12 | | |
| ALQ | E(P) | 20 46 04.0 |
| SEP 12 | | |
| BOZ | EP | 20 55 36.0 |
| | ES | 56 10.0 |
| SEP 12 | | |
| GUA | IP | 21 35 26.1 |
| FGU | IP | 21 40 38.2 |
| | IS | 40 58.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 12 | |
| FGU EP | 22 47 19.7 |
| IS | 47 44.7 |
| SEP 12 | |
| FGU IP | 23 19 42.5 |
| SEP 13 | |
| FGU EP | 00 19 53.8 |
| ES | 20 28.0 |
| SEP 13 | |
| BOZ IP | 01 00 37.5 |
| E(S) | 01 07.0 |
| FGU IP | 01 00 44.5 |
| IS | 01 18.5 |
| SEP 13 | |
| EUR EP | 01 11 08.9 |
| EL | 12 17.0 |
| BHP IP | 01 12 43.0 |
| IS | 13 20.0 |
| SEP 13 | |
| BUT E(P) | 02 00 33.8 |
| E(S) | 01 00.8 |
| BOZ EP | 02 00 37.0 |
| ES | 01 17.0 |
| HHM E(P) | 02 00 48.4 |
| EUR EP | 02 01 22.0 |
| ES | 02 13.5 |
| GUA E(P) | 02 05 46.9 |
| SEP 13 | |
| BOZ EP | 02 24 20.0 |
| ES | 24 50.0 |
| EUR E(P) | 02 24 53.5 |
| SEP 13 | |
| SJP IP | 02 46 20.0 |
| IS | 46 43.0 |
| COL EP | 02 55 34.0 |
| SEP 13 | |
| COL EP | 02 59 19.0 |
| SEP 13 | |
| SJP I(P) | 03 50 45.0 |
| SEP 13 | |
| ALQ E(P) | 04 43 25.0 |
| GUA EP | 04 48 52.5 |
| SEP 13 | |
| H-07 46 35.2 | |
| 13.5S 166.4E | |
| h ABOUT 038KM | |
| COL IP | 07 59 09.7 |
| SEP 13 | |
| BOZ IP | 08 05 02.0 |
| ES | 05 34.0 |
| BUT EP | 08 05 08.9 |
| ES | 05 33.9 |
| HHM IP | 08 05 22.3 |
| EUR EP | 08 05 37.6 |
| EL | 06 47.0 |
| SEP 13 | |
| BOZ EP | 09 21 46.0 |
| E | 22 21.0 |
| SEP 13 | |
| H-10 07 22.6 | |
| 12.5S 167.3E | |
| h ABOUT 083KM | |
| COL EP | 10 19 45.0 |
| SEP 13 | |
| HHM E(P) | 10 22 07.3 |
| BUT EP | 10 22 11.9 |
| EL | 23 10.9 |
| EUR EP | 10 22 21.4 |
| EL | 23 31.0 |
| SEP 13 | |
| HHM E(P) | 10 23 51.3 |
| EUR EP | 10 23 57.7 |
| ES | 24 51.2 |
| SEP 13 | |
| BOZ EP | 10 50 59.0 |
| E | 11 01 12.0 |
| SEP 13 | |
| H-10 51 56.6 | |
| 29.1N 105.6W | |
| h ABOUT 033KM | |
| TUC IP | 10 53 15.0 |
| ALQ IP | 10 53 23.0 |
| E | 53 46.0 |
| E | 55 00.0 |
| GCA EP | 10 54 14.0 |
| I | 56 51.5 |
| FGU E(P) | 10 55 02.0 |
| SLC E(P) | 10 55 00.1 |
| EL | 58 35.1 |
| EUR EP | 10 55 09.9 |
| EL | 58 48.9 |
| RCD E(P) | 10 55 30.6 |
| E(S) | 58 22.0 |
| BUT EP | 10 56 03.9 |
| E | 11 01 26.9 |
| UKI E(P) | 10 56 07.5 |
| HHM IP | 10 56 32.3 |
| EL | 11 02 40.3 |
| CSC E(P) | 10 56 51.0 |
| EL | 11 02 10.0 |
| COL IP | 11 00 07.0 |
| SEP 13 | |
| TUC EP | 11 17 05.5 |
| ALQ I(P) | 11 17 33.8 |
| SEP 13 | |
| TUC E(P) | 11 57 42.2 |
| ALQ EP | 11 57 58.5 |
| E | 59 12.5 |
| SEP 13 | |
| EUR EP | 13 07 12.9 |
| EL | 08 36.0 |
| SEP 13 | |
| GUA E(P) | 13 33 33.5 |
| SEP 13 | |
| H-13 43 13.6 | |
| 45.0N 111.6W | |
| h ABOUT 033KM | |
| BOZ IP | 13 43 24.0 |
| I(S) | 43 33.0 |
| BUT EP | 13 43 34.9 |
| IS | 43 52.9 |
| HHM EP | 13 44 10.8 |
| EL | 45 10.3 |
| EUR E(P) | 13 44 56.4 |
| SEP 13 | |
| H-13 53 00.2 | |
| 37.2N 116.1W | |
| h ABOUT 000KM | |
| EUR IP | 13 53 40.3 |
| GCA EP | 13 53 59.5 |
| I | 54 07.0 |
| IL | 54 53.0 |
| TUC E(P) | 13 54 45.5 |
| ALQ E(P) | 13 55 10.0 |
| E | 55 32.0 |
| E | 56 19.0 |
| SEP 13 | |
| EUR EP | 14 27 06.4 |
| IL | 27 45.4 |
| SEP 13 | |
| EUR EP | 15 13 53.4 |
| IL | 14 25.4 |
| SEP 13 | |
| SJP EP | 16 27 03.8 |
| ES | 27 48.0 |
| SEP 13 | |
| SJP EP | 16 32 52.0 |
| EUR EP | 16 37 48.4 |
| SEP 13 | |
| H-17 00 00.1 | |
| 37.1N 116.0W | |
| h ABOUT 000KM | |
| EUR IP | 17 00 41.4 |
| GCA IP | 17 00 56.9 |
| SLC IP | 17 01 17.8 |
| IL | 03 52.4 |
| UKI EP | 17 01 33.0 |
| EL | 03 19.0 |
| FGU IP | 17 01 39.8 |
| ALQ EP | 17 01 57.5 |
| EL | 04 02.0 |
| E | 06 25.0 |
| BOZ IP | 17 02 17.5 |
| I | 02 48.0 |
| IS | 03 57.0 |
| BUT EP | 17 02 17.9 |
| IS | 04 58.9 |
| HHM EP | 17 02 46.3 |
| IL | 05 52.3 |
| RCD EP | 17 02 53.2 |
| E(S) | 05 05.0 |
| CSC EP | 17 05 59.9 |
| E | 14 50.0 |
| COL IP | 17 06 42.6 |
| IPCP | 09 21.3 |
| HON EP | 17 07 34.0 |
| E | 08 20.0 |
| EL | 18 22.0 |
| KIP IP | 17 07 34.3 |
| E | 08 21.0 |
| BHP EPC | 17 08 03.8 |
| SJP EP | 17 08 36.3 |
| IPCP | 10 07.3 |
| SEP 13 | |
| PHI E(P) | 17 16 10.5 |
| SEP 13 | |
| SLC EP | 17 31 54.2 |
| I | 32 51.2 |
| I | 34 11.2 |
| SEP 13 | |
| FGU E(P) | 17 33 01.8 |
| BUT E(P) | 17 33 48.0 |
| SEP 13 | |
| HHM IP | 17 57 00.3 |
| ES | 57 21.3 |
| SEP 13 | |
| H-18 15 53.9 | |
| 49.6S 117.2E | |
| h ABOUT 033KM | |
| EUR EP' | 18 35 24.4 |
| ALQ EP' | 18 35 28.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| HHM EP* | 18 35 34.3 |
| BOZ IP* | 18 35 35.0 |
| SEP 13 | |
| BOZ EP | 20 02 14.0 |
| EUR EP | 20 02 49.4 |
| SEP 13 | |
| SLC EP | 20 54 12.8 |
| ALQ E(P) | 20 55 18.3 |
| SEP 13 | |
| H-21 10 56.3 | |
| 33.3S 178.1W | |
| h ABOUT 033KM | |
| EUR E(P) | 21 24 06.2 |
| SEP 13 | |
| ALQ E(P) | 21 11 42.0 |
| SEP 13 | |
| KIP EP | 22 03 29.0 |
| FGU IP | 22 07 48.1 |
| IS | 08 06.6 |
| SEP 13 | |
| UKI E(P) | 22 43 46.0 |
| EUR EP | 22 44 18.4 |
| IL | 45 24.0 |
| SEP 13 | |
| HHM EP | 22 51 35.3 |
| ES | 52 19.3 |
| SEP 13 | |
| H-23 02 07.2 | |
| 53.0N 175.0W | |
| h ABOUT 220KM | |
| COL IP | 23 06 05.0 |
| BOZ IP | 23 09 27.0 |
| pP | 10 17.0 |
| (PCP) | 11 23.5 |
| EUR IP | 23 09 37.4 |
| IPCP | 11 28.4 |
| E | 14 56.4 |
| FGU IP | 23 10 00.1 |
| I(PCP) | 11 38.6 |
| GCA IP | 23 10 10.0 |
| ALQ IP | 23 10 44.0 |
| SEP 13 | |
| GUA E(P) | 23 25 22.5 |
| SEP 13 | |
| H-23 33 32.9 | |
| 31.3S 179.3W | |
| h ABOUT 016KM | |
| EUR EP | 23 46 40.4 |
| I | 46 45.9 |
| GCA E(P) | 23 46 46.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 13 | |
| SLC IP | 23 42 45.3 |
| IS | 43 06.5 |
| FGU IP | 23 43 15.8 |
| EUR EP | 23 43 28.6 |
| SEP 14 | |
| KIP IP | 00 01 01.4 |
| SEP 14 | |
| H-00 15 45.2 | |
| 3.5S 131.2E | |
| h ABOUT 033KM | |
| GUA EP | 00 20 36.6 |
| SEP 14 | |
| H-00 18 33.4 | |
| 3.6S 131.2E | |
| h ABOUT 033KM | |
| GUA EP | 00 23 25.0 |
| I(S) | 27 23.0 |
| SEP 14 | |
| BOZ IP | 00 27 34.1 |
| SEP 14 | |
| H-00 38 07.5 | |
| 31.3S 179.1W | |
| h ABOUT 033KM | |
| BCN EP | 00 51 02.5 |
| EUR EP | 00 51 11.8 |
| SEP 14 | |
| KIP IP | 01 22 09.4 |
| SEP 14 | |
| H-03 51 15.5 | |
| 33.4N 118.5W | |
| h ABOUT 015KM | |
| BCN IP | 03 52 15.6 |
| EUR IP | 03 52 50.9 |
| I(S) | 54 13.4 |
| GCA EP | 03 52 54.7 |
| I | 53 16.7 |
| IL | 54 46.0 |
| SLC IP | 03 53 30.5 |
| I | 54 09.3 |
| ALQ EP | 03 53 45.0 |
| EL | 56 29.5 |
| FGU IP | 03 53 50.2 |
| BUT E(P) | 03 54 37.8 |
| BOZ E(P) | 03 54 45.0 |
| HHM EP | 03 54 56.3 |
| EL | 59 20.3 |
| RCD E(P) | 03 55 02.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 14 | |
| H-03 52 16.9 | |
| 31.4S 179.0W | |
| h ABOUT 033KM | |
| GUA EP | 04 02 00.6 |
| KIP ES | 04 09 48.0 |
| E | 10 45.0 |
| E | 15 55.0 |
| EL | 18 00.0 |
| HON EP | 04 02 14.0 |
| ES | 09 50.0 |
| E | 10 44.0 |
| E | 15 46.0 |
| EL | 18 00.0 |
| BCN E(P) | 04 05 21.1 |
| EUR EP | 04 05 21.9 |
| GCA E(P) | 04 05 33.5 |
| ALQ E(P) | 04 05 43.5 |
| SEP 14 | |
| UKI E(P) | 03 55 21.0 |
| SEP 14 | |
| FGU EP | 04 06 26.2 |
| IS | 06 55.7 |
| SEP 14 | |
| EUR E(P) | 04 15 35.2 |
| BHP EP | 04 17 00.0 |
| KIP EP | 04 19 51.0 |
| KIP EP | 04 21 40.0 |
| SEP 14 | |
| BCN E(P) | 04 16 39.6 |
| EUR E(P) | 04 17 33.0 |
| SEP 14 | |
| H-05 04 09.3 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |
| BOZ E(P) | 05 04 49.0 |
| ES | 05 23.0 |
| BUT EP | 05 04 49.8 |
| IS | 05 19.8 |
| HHM E(P) | 05 05 15.3 |
| EL | 06 14.3 |
| EUR IP | 05 05 25.4 |
| SEP 14 | |
| H-05 07 14.3 | |
| 44.4N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 05 07 53.8 |
| ES | 08 19.8 |
| BOZ E(P) | 05 07 55.5 |
| ES | 08 30.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| HHM E(P) | 05 08 23.3 |
| EL | 09 21.3 |
| EUR EP | 05 08 29.9 |
| EL | 09 41.0 |
| FGU EP | 05 08 31.7 |
| I | 09 06.2 |
| SEP 14 | |
| BUT EP | 05 29 49.7 |
| ES | 30 20.8 |
| BOZ EP | 05 29 49.9 |
| ES | 30 26.0 |
| EUR EP | 05 30 25.4 |
| EL | 31 36.0 |
| GUA EP | 05 39 25.5 |
| SEP 14 | |
| H-05 46 39.7 | |
| 14.6S 166.6E | |
| h ABOUT 070KM | |
| COL E(P) | 05 59 04.0 |
| SEP 14 | |
| BUT EP | 06 25 43.7 |
| ES | 26 16.7 |
| BOZ EP | 06 25 45.0 |
| ES | 26 21.0 |
| IL | 26 26.0 |
| EUR EP | 06 26 21.9 |
| EL | 27 28.0 |
| SEP 14 | |
| H-06 45 08.3 | |
| 42.2N 142.3E | |
| h ABOUT 050KM | |
| COL EP | 06 53 15.0 |
| EUR EP | 06 56 29.7 |
| SEP 14 | |
| BOZ EP | 06 52 44.0 |
| ES | 53 14.0 |
| SEP 14 | |
| EUR EP | 06 59 55.7 |
| EL | 07 01 05.0 |
| SEP 14 | |
| BUT IP | 07 09 43.7 |
| I | 12 13.7 |
| EUR EP | 07 09 48.9 |
| EL | 11 00.0 |
| SEP 14 | |
| H-07 17 18.5 | |
| 19.0N 145.0E | |
| h ABOUT 610KM | |
| GUA IP | 07 18 54.3 |
| E(S) | 20 13.0 |
| E | 24 06.2 |
| COL EP | 07 26 49.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| HHM EP | 07 28 43.2 |
| E▸P | 30 50.3 |
| EUR IP | 07 28 51.5 |
| I▸P | 31 00.0 |
| BUT IP | 07 28 51.7 |
| I▸P | 30 57.7 |
| BOZ IP | 07 28 54.9 |
| ▸P | 31 05.0 |
| BCN IP | 07 29 02.3 |
| SLC I(P) | 07 29 03.2 |
| FGU IP | 07 29 11.0 |
| GCA IP | 07 29 11.5 |
| RCD EP | 07 29 23.2 |
| ALQ EP | 07 29 33.0 |
| SEP 14 | |
| EUR I(P) | 07 34 04.4 |
| SEP 14 | |
| FGU E(P) | 08 25 22.5 |
| E | 25 50.0 |
| SEP 14 | |
| H-09 26 46.9 | |
| 25.5N 142.6E | |
| h ABOUT 043KM | |
| GUA EP | 09 29 38.5 |
| BUT EP | 09 39 01.7 |
| EUR EP | 09 39 06.6 |
| FGU IP | 09 39 25.4 |
| ALQ EP | 09 39 50.5 |
| SEP 14 | |
| H-10 06 18.4 | |
| 36.1N 137.3E | |
| h ABOUT 066KM | |
| COL EP | 10 15 20.0 |
| EUR EP | 10 18 17.4 |
| SEP 14 | |
| EUR EP | 10 13 59.4 |
| SEP 14 | |
| H-11 48 18.3 | |
| 20.1S 068.2W | |
| h ABOUT 033KM | |
| ALQ E(P) | 11 59 03.0 |
| EUR EP | 12 00 24.4 |
| SEP 14 | |
| H-12 28 13.3 | |
| 35.5N 118.1W | |
| h ABOUT 015KM | |
| BCN EP | 12 28 59.4 |
| I(S) | 29 26.2 |

| Date and Station | Phase (GCT) |
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| | h m s |
| EUR E(P) | 12 29 19.5 |
| E(S) | 30 11.0 |
| GCA E(P) | 12 29 44.5 |
| SEP 14 | |
| KIP IP | 13 30 18.0 |
| E | 30 36.0 |
| GUA E(P) | 13 31 04.5 |
| ALQ EP | 13 31 14.5 |
| SEP 14 | |
| H-15 15 58.1 | |
| 13.7S 166.4E | |
| h ABOUT 034KM | |
| COL EP | 15 28 34.0 |
| SEP 14 | |
| H-15 25 33.3 | |
| 13.7S 166.3E | |
| h ABOUT 020KM | |
| COL EP | 15 38 11.0 |
| EUR EP | 15 38 31.5 |
| SEP 14 | |
| EUR E(P) | 15 53 19.5 |
| EL | 54 25.5 |
| SEP 14 | |
| H-15 58 02.1 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |
| BUT IP | 15 58 41.7 |
| IS | 59 09.9 |
| BOZ I(P) | 15 58 44.0 |
| SLC EP | 15 59 06.1 |
| EL | 16 00 04.1 |
| HHM IP | 15 59 07.1 |
| EUR IP | 15 59 15.3 |
| FGU IP | 15 59 21.5 |
| IL | 16 00 39.5 |
| GCA E(P) | 15 59 58.4 |
| BCN EP | 16 00 03.1 |
| IL | 02 18.6 |
| RCD EP | 16 00 06.9 |
| ALQ EP | 16 00 44.0 |
| E | 03 57.0 |
| SEP 14 | |
| H-16 06 49.3 | |
| 44.3N 114.7W | |
| h ABOUT 033KM | |
| BOZ E(P) | 16 07 24.0 |
| BUT EP | 16 07 24.6 |
| ES | 07 54.6 |
| HHM IP | 16 07 53.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR EP | 16 08 01.5 |
| ES | 08 53.5 |
| SEP 14 | |
| H-16 16 51.8 | |
| 33.6S 126.7W | |
| h ABOUT 033KM | |
| BCN EP | 16 28 03.1 |
| ALQ IP | 16 28 06.5 |
| SEP 14 | |
| H-16 25 11.3 | |
| 44.3N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 16 25 48.6 |
| EL | 26 24.6 |
| BOZ E(P) | 16 25 52.5 |
| HHM EP | 16 26 16.2 |
| EUR EP | 16 26 28.0 |
| EL | 27 36.5 |
| SEP 14 | |
| H-16 39 41.7 | |
| 44.4N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 16 40 19.9 |
| ES | 40 50.6 |
| BOZ E(P) | 16 40 22.0 |
| HHM EP | 16 40 44.2 |
| SLC E(P) | 16 40 55.1 |
| EL | 41 47.1 |
| EUR EP | 16 40 57.5 |
| IS | 42 47.5 |
| FGU EP | 16 41 03.5 |
| IS | 42 15.5 |
| SEP 14 | |
| COL EP | 16 48 33.0 |
| BOZ EP | 16 49 25.0 |
| ES | 50 02.0 |
| SEP 14 | |
| H-16 55 40.6 | |
| 44.3N 114.6W | |
| h ABOUT 015KM | |
| BUT EP | 16 56 19.1 |
| ES | 56 48.6 |
| BOZ EP | 16 56 22.3 |
| HHM E(P) | 16 56 53.0 |
| EUR EP | 16 56 59.3 |
| EL | 58 10.0 |
| SEP 14 | |
| H-17 16 34.7 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BUT EP | 17 17 14.6 |
| ES | 17 46.6 |
| BOZ E(P) | 17 17 15.0 |
| ES | 17 51.0 |
| HHM EP | 17 17 40.0 |
| EUR EP | 17 17 50.5 |
| ES | 16 18 41.0 |
| SEP 14 | |
| H-17 50 06.9 | |
| 44.4N 114.7W | |
| h ABOUT 015KM | |
| BOZ E(P) | 17 50 49.0 |
| ES | 51 24.0 |
| HHM E(P) | 17 51 22.0 |
| ES | 52 13.0 |
| EUR EP | 17 51 24.0 |
| ES | 52 16.5 |
| SEP 14 | |
| COL EP | 17 57 43.0 |
| SEP 14 | |
| ALQ E(P) | 18 11 13.0 |
| SEP 14 | |
| ALQ E(P) | 18 19 29.5 |
| SEP 14 | |
| H-18 48 56.4 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 18 49 36.5 |
| IS | 50 05.5 |
| BOZ E(P) | 18 49 38.0 |
| ES | 50 14.0 |
| HHM EP | 18 50 00.0 |
| EL | 51 02.0 |
| SLC E(P) | 18 50 12.0 |
| EL | 50 58.0 |
| EUR EP | 18 50 12.5 |
| FGU EP | 18 50 16.1 |
| I | 50 21.8 |
| SEP 14 | |
| BUT EP | 19 01 32.5 |
| ES | 02 05.5 |
| BOZ EP | 19 01 35.0 |
| EUR E(P) | 19 02 10.5 |
| SEP 14 | |
| EUR EP | 19 35 56.0 |
| SEP 14 | |
| H-19 46 17.6 | |
| 36.9N 121.6W | |
| h ABOUT 005KM | |
| UKI IP | 19 46 59.2 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| EUR | EP | 19 47 37.0 |
| BCN | EP | 19 47 42.3 |
| | IS | 48 42.5 |
| GCA | E(P) | 19 48 20.1 |
| | I | 49 05.3 |
| SLC | EP | 19 48 28.0 |
| TUC | EP | 19 48 43.0 |
| FGU | E(P) | 19 48 54.0 |
| BUT | EP | 19 49 06.5 |
| | EL | 52 17.4 |
| BOZ | EP | 19 49 08.0 |
| | EL | 52 27.0 |
| ALQ | E(P) | 19 49 11.5 |
| | IL | 53 03.0 |
| HHM | EP | 19 49 24.0 |
| COL | EP | 19 52 47.0 |
| SEP 14 | | |
| PHI | E(P) | 20 05 03.0 |
| EUR | E(P) | 20 11 00.5 |
| SEP 14 | | |
| WAS | E(P) | 20 07 32.0 |
| SEP 14 | | |
| ALQ | E(P) | 20 12 48.0 |
| SEP 14 | | |
| H-20 28 12.3 | | |
| 36.9N 121.6W | | |
| h ABOUT 005KM | | |
| UKI | IP | 20 28 52.4 |
| EUR | EP | 20 29 33.5 |
| BCN | EP | 20 29 37.5 |
| GCA | E(P) | 20 30 11.8 |
| SLC | E(P) | 20 30 28.0 |
| TUC | EP | 20 30 40.0 |
| BOZ | EP | 20 31 07.0 |
| | ES | 34 22.0 |
| SEP 14 | | |
| ALQ | E(P) | 21 40 50.0 |
| SEP 14 | | |
| BOZ | EP | 21 42 40.0 |
| EUR | EP | 21 43 15.3 |
| | EL | 44 23.0 |
| SEP 14 | | |
| ALQ | E(P) | 22 27 23.5 |
| SEP 14 | | |
| FGU | EP | 23 00 02.5 |
| | ES | 00 38.0 |
| SEP 14 | | |
| SLC | EP | 23 03 04.0 |
| | ES | 03 31.0 |
| SEP 14 | | |
| RCD | E(P) | 23 12 14.2 |
| SEP 15 | | |
| H-00 46 54.1 | | |
| 10.3S 165.6E | | |
| h ABOUT 043KM | | |
| GUA | IP | 00 53 12.1 |
| | E(PP) | 54 14.0 |
| | E | 55 30.0 |
| | ET | 01 25 33.0 |
| KIP | IP | 00 55 28.4 |
| | EPP | 57 27.0 |
| | ET | 01 45 20.0 |
| HON | IP | 00 55 28.0 |
| | ES | 01 02 22.0 |
| COL | IP | 00 59 13.4 |
| | IS | 01 09 38.0 |
| UKI | IP | 00 59 14.0 |
| | I(PP) | 01 02 39.0 |
| | ES | 09 40.0 |
| SIT | IP | 00 59 16.0 |
| | IS | 01 09 41.0 |
| EUR | IP | 00 59 40.0 |
| | ES | 01 10 30.1 |
| | PKKP | 17 38.0 |
| BCN | IP | 00 59 40.4 |
| | IPP | 01 03 21.9 |
| | P'P' | 25 42.4 |
| | P'P'P' | 45 53.4 |
| GCA | IP | 00 59 53.6 |
| SLC | IP | 00 59 55.0 |
| HHM | IP | 00 59 56.0 |
| BUT | EP | 00 59 57.3 |
| | EPP | 01 03 37.4 |
| BOZ | EP | 01 00 01.5 |
| FGU | I(P) | 01 00 04.9 |
| ALQ | IP | 01 00 10.3 |
| | EPP | 03 55.0 |
| RCD | E(P) | 01 00 27.5 |
| CSC | EP' | 01 05 19.0 |
| | E | 06 32.0 |
| | E | 14 24.0 |
| PHI | E(P') | 01 06 15.0 |
| WAS | EPP | 01 06 33.0 |
| SJP | EP' | 01 06 03.3 |
| | E | 07 20.0 |
| | E(PP) | 08 15.0 |
| SEP 15 | | |
| BHP | EP | 01 01 30.0 |
| SEP 15 | | |
| EUR | EP | 01 31 55.1 |
| COL | IP | 01 33 47.9 |
| SEP 15 | | |
| COL | EP | 01 45 28.0 |
| SEP 15 | | |
| COL | EP | 01 48 10.0 |
| SEP 15 | | |
| H-01 57 23.9 | | |
| 9.4S 167.0E | | |
| h ABOUT 033KM | | |
| BCN | EP | 02 09 58.9 |
| | I | 10 24.9 |
| EUR | EP | 02 10 02.0 |
| | I | 10 23.5 |
| TUC | E(P) | 02 10 09.0 |
| | I | 10 36.9 |
| HHM | EP | 02 10 25.0 |
| | E | 10 42.0 |
| BUT | E(P) | 02 10 41.4 |
| BOZ | E(P) | 02 10 32.0 |
| SEP 15 | | |
| EUR | EP | 02 00 12.8 |
| SEP 15 | | |
| H-02 02 07.6 | | |
| 32.0S 178.7W | | |
| h ABOUT 033KM | | |
| EUR | IP | 02 15 12.5 |
| SEP 15 | | |
| COL | EP | 02 09 57.0 |
| SEP 15 | | |
| COL | EP | 02 36 39.0 |
| EUR | IP | 02 37 05.5 |
| | E | 38 53.5 |
| TUC | EP | 02 37 18.2 |
| BOZ | IP | 02 37 27.1 |
| SEP 15 | | |
| COL | EP | 02 38 32.0 |
| SEP 15 | | |
| COL | EP | 03 21 58.0 |
| SEP 15 | | |
| COL | EP | 03 29 19.0 |
| SEP 15 | | |
| H-04 22 03.3 | | |
| 55.5S 140.5W | | |
| h ABOUT 033KM | | |
| COL | EP' | 04 41 03.0 |
| SEP 15 | | |
| H-04 50 21.5 | | |
| 10.2S 165.3E | | |
| h ABOUT 031KM | | |
| COL | EP | 05 02 41.0 |
| EUR | EP | 05 03 10.0 |
| BOZ | EP | 05 03 30.0 |
| SEP 15 | | |
| BOZ | EP | 05 30 12.0 |
| SEP 15 | | |
| H-05 34 57.9 | | |
| 44.3N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | EP | 05 35 37.1 |
| | ES | 36 04.3 |
| BOZ | E(P) | 05 35 39.5 |
| HHM | EP | 05 36 01.0 |
| | EL | 37 01.9 |
| EUR | EP | 05 36 13.5 |
| | IS | 37 06.5 |
| FGU | E(P) | 05 36 19.6 |
| | EL | 37 34.8 |
| SEP 15 | | |
| H-06 15 21.7 | | |
| 10.2S 165.4E | | |
| h ABOUT 028KM | | |
| COL | IP | 06 27 42.0 |
| EUR | EP | 06 28 09.5 |
| BCN | EP | 06 28 10.5 |
| SEP 15 | | |
| H-06 28 44.2 | | |
| 10.1S 165.5E | | |
| h ABOUT 033KM | | |
| COL | EP | 06 41 05.0 |
| EUR | EP | 06 41 30.5 |
| SEP 15 | | |
| KIP | EP | 07 15 13.0 |
| ALQ | EP | 07 21 53.5 |
| SEP 15 | | |
| FGU | E(P) | 08 04 26.4 |
| | ES | 05 00.9 |
| SEP 15 | | |
| H-08 26 08.7 | | |
| 05.9S 146.7E | | |
| h ABOUT 089KM | | |
| GUA | EP | 08 30 30.5 |
| COL | IP | 08 38 34.2 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 15 | |
| H-08 31 09.9 | |
| 30.4S 179.3W | |
| h ABOUT 033KM | |
| BCN EP | 08 44 06.1 |
| TUC IP | 08 44 07.9 |
| EUR EP | 08 44 11.5 |
| GCA E(P) | 08 44 18.0 |
| SEP 15 | |
| BOZ IP | 08 37 03.0 |
| SEP 15 | |
| BUT IP | 08 38 10.2 |
| IS | 38 19.2 |
| SEP 15 | |
| H-09 08 09.1 | |
| 13.8S 166.4E | |
| h ABOUT 036KM | |
| HON E(S) | 09 24 18.0 |
| EL | 30 54.0 |
| COL EP | 09 20 44.0 |
| EUR EP | 09 21 05.5 |
| SEP 15 | |
| H-09 09 38.0 | |
| 7.2S 106.5E | |
| h ABOUT 033KM | |
| EUR EP' | 09 28 48.3 |
| SEP 15 | |
| COL EP | 09 40 26.0 |
| GUA IP | 09 50 58.5 |
| SEP 15 | |
| COL EP | 09 49 43.0 |
| SEP 15 | |
| H-10 48 03.4 | |
| 35.7N 117.8W | |
| h ABOUT 015KM | |
| BCN EP | 10 48 45.7 |
| E(S) | 49 16.2 |
| EUR E(P) | 10 49 07.0 |
| E(S) | 49 50.0 |
| GCA E(P) | 10 49 38.7 |
| SEP 15 | |
| COL EP | 10 57 18.0 |
| SEP 15 | |
| H-10 59 47.7 | |
| 17.1S 173.8E | |
| h ABOUT 033KM | |
| BCN EP | 11 12 25.5 |
| EUR EP | 11 12 27.1 |
| COL EP | 11 12 28.0 |
| ALQ EP | 11 12 52.7 |
| FGU E(P) | 11 12 53.0 |
| SEP 15 | |
| ALQ E(P) | 11 05 23.5 |
| SEP 15 | |
| COL EP | 11 14 27.0 |
| SEP 15 | |
| H-11 44 44.7 | |
| 14.0S 166.1E | |
| h ABOUT 030KM | |
| EUR EP | 11 57 41.0 |
| SEP 15 | |
| COL EP | 12 11 33.0 |
| GUA E(P) | 12 16 49.0 |
| SEP 15 | |
| GUA EP | 12 56 06.5 |
| SEP 15 | |
| SJP IP | 13 24 38.0 |
| IS | 24 53.5 |
| COL EP | 13 27 55.0 |
| SEP 15 | |
| COL EP | 14 49 40.0 |
| GUA EP | 14 54 43.1 |
| SEP 15 | |
| COL EP | 15 09 17.0 |
| SEP 15 | |
| H-16 51 01.8 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 16 51 42.1 |
| I(S) | 52 05.4 |
| I | 52 14.1 |
| HHM EP | 16 52 05.9 |
| ES | 53 56.9 |
| EUR EP | 16 52 17.9 |
| SEP 15 | |
| COL EP | 17 42 43.0 |
| SEP 15 | |
| COL EP | 17 52 26.0 |
| SEP 15 | |
| FGU EP | 18 17 48.4 |
| E(S) | 18 44.8 |
| SEP 15 | |
| ALQ E(P) | 18 54 23.0 |
| SEP 15 | |
| H-19 14 09.5 | |
| 44.2N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 19 14 50.1 |
| I(S) | 15 20.1 |
| EUR EP | 19 15 26.2 |
| EL | 16 27.0 |
| SEP 15 | |
| GUA E(P) | 19 26 21.9 |
| SEP 15 | |
| ALQ EP | 20 13 15.3 |
| SEP 15 | |
| GUA IP | 20 55 12.6 |
| I | 55 44.2 |
| SEP 15 | |
| GUA E(P) | 21 07 29.5 |
| SEP 15 | |
| KIP EP | 21 56 38.0 |
| SEP 15 | |
| H-22 03 49.5 | |
| 63.2N 152.0W | |
| h ABOUT 122KM | |
| COL IP | 22 04 29.8 |
| EUR E(P) | 22 10 06.2 |
| E(pP) | 10 24.2 |
| SEP 15 | |
| EUR IP | 22 26 19.2 |
| SEP 15 | |
| SLC EP | 22 34 07.5 |
| ES | 34 26.0 |
| SEP 15 | |
| COL EP | 23 03 05.0 |
| SEP 15 | |
| COL EP | 23 05 08.0 |
| SEP 16 | |
| H-00 06 50.8 | |
| 22.4N 120.5E | |
| h ABOUT 033KM | |
| COL IP | 00 18 04.6 |
| SEP 16 | |
| TUC EP | 00 59 51.0 |
| SEP 16 | |
| ALQ E(P) | 01 41 16.5 |
| SEP 16 | |
| H-01 49 13.7 | |
| 10.2S 165.3E | |
| h ABOUT 033KM | |
| COL IP | 02 01 34.1 |
| EUR EP | 02 02 01.7 |
| E | 02 38.7 |
| TUC EP | 02 02 09.6 |
| BUT EP | 02 02 20.0 |
| ALQ E(P) | 02 02 32.0 |
| SEP 16 | |
| COL IP | 02 59 34.8 |
| SEP 16 | |
| COL EP | 04 31 25.0 |
| SEP 16 | |
| CSC IP | 06 02 39.7 |
| I | 03 05.0 |
| SEP 16 | |
| KIP IP | 06 35 24.4 |
| SEP 16 | |
| H-06 36 56.1 | |
| 49.6N 149.9E | |
| h ABOUT 430KM | |
| COL IP | 06 43 13.7 |
| SEP 16 | |
| H-09 43 55.3 | |
| 55.0N 166.0E | |
| h ABOUT 033KM | |
| COL IP | 09 49 12.9 |
| EUR IP | 09 53 07.2 |
| I | 53 20.7 |
| RCD EP | 09 53 31.2 |
| TUC EP | 09 54 04.0 |
| ALQ EP | 09 54 06.7 |
| SEP 16 | |
| H-12 06 14.0 | |
| 44.3N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 12 06 52.8 |
| IS | 07 21.8 |
| HHM EP | 12 07 17.7 |
| EL | 08 21.7 |
| SLC EP | 12 07 20.4 |
| EUR EP | 12 07 29.5 |
| IS | 08 22.5 |
| FGU EP | 12 07 33.3 |
| I | 07 43.6 |
| EL | 08 53.3 |
| GCA E(P) | 12 08 35.0 |
| BCN E(P) | 12 08 45.5 |
| ELG | 10 30.5 |
| RCD E(P) | 12 08 14.2 |
| ALQ E(P) | 12 09 12.0 |
| SEP 16 | |
| ALQ E(P) | 12 16 11.0 |
| SEP 16 | |
| EUR E(P) | 12 42 56.3 |
| IL | 44 06.3 |
| SEP 16 | |
| BUT EP | 13 02 08.7 |
| SEP 16 | |
| COL EP | 14 00 32.0 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| KIP | EP | 14 02 55.0 |
| SEP 16 | | |
| EUR | EP | 15 05 06.5 |
| SEP 16 | | |
| H-15 11 52.4 | | |
| 52.8N 171.0W | | |
| h ABOUT 140KM | | |
| COL | EP | 15 15 42.0 |
| HHM | IP | 15 18 38.3 |
| EUR | EP | 15 19 09.5 |
| | E | 21 17.0 |
| TUC | EP | 15 20 13.0 |
| SEP 16 | | |
| H-16 36 32.0 | | |
| 13.4S 166.6E | | |
| h ABOUT 028KM | | |
| COL | IP | 16 49 07.2 |
| SEP 16 | | |
| H-17 15 34.5 | | |
| 43.2N 126.8W | | |
| h ABOUT 033KM | | |
| BOZ | EP | 17 18 12.0 |
| ALQ | EP | 17 19 40.5 |
| BHP | E(P) | 17 24 43.0 |
| SEP 16 | | |
| HHM | E(P) | 19 15 16.8 |
| | IS | 16 19.8 |
| SEP 16 | | |
| KIP | IP | 19 28 49.6 |
| SEP 16 | | |
| ALQ | E(P) | 20 04 01.0 |
| | E | 49 00.0 |
| SEP 16 | | |
| H-20 05 21.9 | | |
| 13.4S 166.5E | | |
| h ABOUT 028KM | | |
| HON | ES | 20 21 32.0 |
| | EL | 27 34.0 |
| COL | IP | 20 17 57.4 |
| EUR | E | 20 18 45.3 |
| SEP 16 | | |
| ALQ | EP | 20 55 55.5 |
| SEP 16 | | |
| HON | IP | 21 44 57.4 |
| KIP | IP | 21 45 00.5 |
| SEP 16 | | |
| GUA | E(P) | 22 59 29.0 |
| COL | IP | 23 09 41.7 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| SEP 16 | | |
| COL | EP | 23 16 02.0 |
| SEP 17 | | |
| H-00 22 58.6 | | |
| 50.2N 129.3W | | |
| h ABOUT 033KM | | |
| EUR | E(P) | 00 26 22.5 |
| | I | 26 27.5 |
| COL | EP | 00 27 03.5 |
| ALQ | EP | 00 27 57.7 |
| SEP 17 | | |
| EUR | E(P) | 01 03 18.2 |
| | EL | 04 28.0 |
| SEP 17 | | |
| BOZ | EP | 01 40 08.0 |
| | ES | 40 18.0 |
| BUT | EP | 01 40 18.5 |
| | ES | 40 36.5 |
| SEP 17 | | |
| RCD | E(P) | 01 47 11.4 |
| SEP 17 | | |
| RCD | E(P) | 02 01 34.7 |
| COL | EP | 02 04 45.2 |
| SEP 17 | | |
| EUR | E(P) | 03 21 35.4 |
| SEP 17 | | |
| FGU | IP | 04 05 15.4 |
| SEP 17 | | |
| BOZ | EP | 04 43 45.0 |
| | EL | 44 30.0 |
| BUT | EP | 04 43 54.5 |
| | ES | 43 25.5 |
| HHM | E(P) | 04 44 15.7 |
| EUR | EP | 04 44 29.5 |
| | EL | 45 40.5 |
| SEP 17 | | |
| BUT | EP | 04 45 23.5 |
| | ES | 45 52.5 |
| EUR | E(P) | 04 45 56.3 |
| | EL | 47 07.3 |
| SEP 17 | | |
| COL | EP | 05 13 15.0 |
| SEP 17 | | |
| H-05 36 15.4 | | |
| 44.3N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 05 36 56.5 |
| | ES | 37 24.5 |
| BOZ | E(P) | 05 36 58.0 |
| | I(S) | 37 30.0 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| HHM | EP | 05 37 18.7 |
| | EL | 38 17.7 |
| EUR | EP | 05 37 31.6 |
| FGU | EP | 05 37 35.9 |
| SEP 17 | | |
| H-05 54 33.7 | | |
| 10.6S 078.2W | | |
| h ABOUT 061KM | | |
| BHP | IP | 05 59 00.0 |
| SJP | IP | 06 00 49.0 |
| | ES | 05 52.0 |
| CSC | EP | 06 02 39.0 |
| ALQ | IP | 06 03 44.3 |
| | E | 04 02.3 |
| | E(S) | 11 08.0 |
| TUC | IP | 06 03 45.5 |
| GCA | EP | 06 04 15.0 |
| | IpP | 04 33.4 |
| BCN | IP | 06 04 22.5 |
| | IpP | 04 40.5 |
| RCD | EP | 06 04 28.6 |
| FGU | IP | 06 04 28.9 |
| SLC | IP | 06 04 35.0 |
| EUR | IP | 06 04 43.2 |
| | IpP | 05 00.4 |
| | EP'P' | 34 55.0 |
| BOZ | EP | 06 04 59.0 |
| | ES | 13 28.0 |
| BUT | EP | 06 05 04.4 |
| | EpP | 05 22.9 |
| HHM | IP | 06 05 20.2 |
| | IpP | 05 37.7 |
| HON | EP | 06 07 06.0 |
| | E(S) | 17 34.0 |
| | E | 19 02.0 |
| | EL | 33 15.0 |
| COL | IP | 06 07 32.0 |
| SEP 17 | | |
| KIP | EP | 06 34 54.0 |
| | ES | 35 23.0 |
| SEP 17 | | |
| HON | IP | 06 35 22.0 |
| SEP 17 | | |
| EUR | IP | 06 46 45.2 |
| SEP 17 | | |
| H-07 34 38.7 | | |
| 1.5S 077.9W | | |
| h ABOUT 178KM | | |
| BHP | IP | 07 37 06.0 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| SJP | IP | 07 39 27.7 |
| | I(pP) | 40 02.0 |
| ALQ | IP | 07 42 39.3 |
| | EpP | 43 18.0 |
| TUC | EP | 07 42 44.9 |
| RCD | E(P) | 07 43 21.5 |
| EUR | EP | 07 43 43.9 |
| | EpP | 44 23.0 |
| SEP 17 | | |
| COL | EP | 08 12 24.0 |
| SEP 17 | | |
| COL | IP | 08 35 33.8 |
| SEP 17 | | |
| FGU | IP | 08 54 04.3 |
| | IS | 54 33.0 |
| SEP 17 | | |
| FGU | E(P) | 09 25 45.4 |
| | E(S) | 26 03.2 |
| SEP 17 | | |
| GUA | EP | 10 03 32.4 |
| SEP 17 | | |
| H-12 22 54.9 | | |
| 44.4N 114.7W | | |
| h ABOUT 015KM | | |
| BOZ | E(P) | 12 23 49.0 |
| | IS | 24 01.0 |
| HHM | E(P) | 12 24 04.7 |
| | EL | 25 06.7 |
| EUR | EP | 12 24 12.8 |
| | EL | 25 22.8 |
| SEP 17 | | |
| GUA | IP | 12 57 02.7 |
| | IS | 57 15.5 |
| TUC | E(P) | 13 08 18.0 |
| SEP 17 | | |
| GCA | IP | 14 06 40.0 |
| SEP 17 | | |
| RCD | E(P) | 14 33 47.6 |
| SEP 17 | | |
| COL | IP | 14 50 47.6 |
| SEP 17 | | |
| EUR | EP | 16 26 39.6 |
| | EL | 27 47.0 |
| SEP 17 | | |
| ALQ | IP | 16 39 05.3 |
| | E | 39 45.0 |
| SEP 17 | | |
| GUA | EP | 16 59 54.4 |
| SEP 17 | | |
| GCA | IP | 19 01 28.3 |
| | IS | 01 52.4 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 17 | |
| GCA E(P) | 19 02 11.2 |
| SEP 17 | |
| H-19 20 08.2 | |
| 10.1S 165.3E | |
| h ABOUT 017KM | |
| GUA EP | 19 26 28.0 |
| ES | 31 10.0 |
| ET | 58 45.0 |
| HON IP | 19 28 48.0 |
| COL IP | 19 32 30.2 |
| IS | 42 58.0 |
| UKI EP | 19 32 32.8 |
| SIT IP | 19 32 34.0 |
| ES | 42 56.0 |
| EUR IP | 19 32 58.6 |
| BCN IP | 19 32 59.0 |
| E(P'P') | 59 20.0 |
| TUC IP | 19 33 10.1 |
| GCA IP | 19 33 12.4 |
| SLC IP | 19 33 14.0 |
| HHM EP | 19 33 14.7 |
| BUT EP | 19 33 16.4 |
| BOZ IP | 19 33 19.0 |
| FGU IP | 19 33 23.5 |
| ALQ EP | 19 33 28.3 |
| EPP | 37 14.0 |
| BHP EP | 19 35 05.0 |
| WAS EP | 19 35 14.0 |
| P' | 38 59.0 |
| PP | 40 13.0 |
| (PKKP) | 50 13.0 |
| PHI E(P) | 19 35 15.0 |
| I(PKKP) | 50 07.5 |
| CSC EP' | 19 39 03.0 |
| EPP | 39 58.0 |
| IPKKP | 49 36.0 |
| SJP IP' | 19 39 19.0 |
| E | 41 40.0 |
| SEP 17 | |
| BCN IP | 19 36 00.0 |
| SLC IP | 19 36 16.0 |
| BOZ IP | 19 36 20.0 |
| ALQ EP | 19 36 30.7 |
| SJP I(P') | 19 42 42.0 |
| SEP 17 | |
| BCN IP | 19 38 40.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 17 | |
| H-19 57 40.3 | |
| 10.1S 165.0E | |
| h ABOUT 036KM | |
| COL EP | 20 10 02.0 |
| BCN EP | 20 10 29.0 |
| EUR I(P) | 20 10 29.7 |
| HHM EP | 20 10 44.7 |
| BUT IP | 20 10 52.0 |
| FGU E(P) | 20 10 54.0 |
| SEP 17 | |
| FGU EP | 20 00 32.7 |
| IS | 00 51.0 |
| SEP 17 | |
| H-20 00 56.6 | |
| 9.9S 164.7E | |
| h ABOUT 033KM | |
| COL IP | 20 13 15.7 |
| EUR I(P) | 20 13 46.4 |
| I | 14 16.7 |
| BCN EP | 20 13 48.0 |
| HHM EP | 20 14 01.7 |
| BOZ EP | 20 14 09.0 |
| FGU IP | 20 14 11.3 |
| SEP 17 | |
| H-20 32 58.1 | |
| 43.4S 074.7W | |
| h ABOUT 033KM | |
| TUC EP | 20 45 17.0 |
| EPCP | 45 25.0 |
| ALQ EP | 20 45 22.3 |
| EUR E(P) | 20 45 58.1 |
| SEP 17 | |
| EUR EP | 21 09 02.4 |
| SEP 17 | |
| ALQ EP | 21 13 55.0 |
| SEP 17 | |
| ALQ EP | 21 27 29.5 |
| SEP 17 | |
| TUC IP | 21 55 17.0 |
| SEP 17 | |
| GCA IP | 22 05 51.4 |
| SEP 17 | |
| BUT EP | 22 23 34.4 |
| ES | 24 04.4 |
| SEP 17 | |
| H-22 28 29.6 | |
| 10.2S 165.1E | |
| h ABOUT 033KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL IP | 22 40 52.0 |
| EUR EP | 22 41 18.2 |
| BCN EP | 22 41 19.5 |
| E | 42 01.5 |
| TUC EP | 22 41 29.2 |
| HHM E(P) | 22 41 31.7 |
| BOZ E(P) | 22 41 33.0 |
| GCA E(P) | 22 41 37.4 |
| FGU EP | 22 41 42.8 |
| ALQ EP | 22 41 49.5 |
| SEP 17 | |
| H-22 33 49.8 | |
| 10.0S 164.9E | |
| h ABOUT 033KM | |
| COL EP | 22 46 10.0 |
| EUR EP | 22 46 38.2 |
| SEP 17 | |
| TUC IP | 22 55 25.5 |
| SEP 17 | |
| BOZ EP | 23 28 22.0 |
| KIP IP | 23 33 21.0 |
| E | 33 34.0 |
| ES | 40 28.0 |
| SEP 17 | |
| FGU E(P) | 23 30 08.1 |
| ES | 30 39.1 |
| SEP 17 | |
| SLC IP | 23 43 43.7 |
| IS | 44 05.9 |
| FGU IP | 23 44 17.0 |
| EUR EP | 23 44 28.2 |
| EL | 45 09.0 |
| SEP 17 | |
| GCA E(P) | 23 51 43.8 |
| SEP 17 | |
| ALQ EP | 23 53 27.0 |
| SEP 18 | |
| H-00 16 05.9 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 00 16 42.4 |
| BOZ EP | 00 16 47.0 |
| ES | 17 19.0 |
| HHM E(P) | 00 17 10.7 |
| EL | 18 10.7 |
| EUR EP | 00 17 21.9 |
| EL | 18 30.9 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 18 | |
| H-01 16 53.9 | |
| 10.1S 165.1E | |
| h ABOUT 033KM | |
| EUR EP | 01 29 42.1 |
| SEP 18 | |
| H-01 55 46.2 | |
| 10.7S 165.1E | |
| h ABOUT 028KM | |
| COL IP | 02 08 07.5 |
| BCN EP | 02 08 38.0 |
| EUR EP | 02 08 39.1 |
| GCA EP | 02 08 52.3 |
| BOZ IP | 02 08 58.5 |
| FGU IP | 02 09 02.9 |
| ALQ EP | 02 09 07.7 |
| SEP 18 | |
| GUA IP | 02 36 43.8 |
| ES | 36 55.0 |
| SEP 18 | |
| H-04 00 24.1 | |
| 10.2S 165.2E | |
| h ABOUT 033KM | |
| COL EP | 04 12 46.0 |
| EUR EP | 04 13 14.0 |
| SEP 18 | |
| ALQ EP | 04 04 16.5 |
| SEP 18 | |
| H-04 45 07.5 | |
| 45.0N 111.3W | |
| h ABOUT 033KM | |
| BOZ IP | 04 45 18.9 |
| IS | 45 27.0 |
| BUT IP | 04 45 31.2 |
| IS | 45 51.4 |
| HHM EP | 04 46 06.7 |
| ES | 46 46.7 |
| FGU E(P) | 04 46 12.2 |
| EL | 46 19.5 |
| EUR EP | 04 46 46.5 |
| SEP 18 | |
| FGU EP | 05 05 31.5 |
| ES | 05 57.0 |
| SEP 18 | |
| COL EP | 05 27 13.0 |
| SEP 18 | |
| COL IP | 06 06 22.8 |
| SEP 18 | |
| BUT E(P) | 06 32 42.4 |
| ES | 33 15.4 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| BOZ | EP | 06 32 42.5 |
| | ES | 33 18.0 |
| HHM | E(P) | 06 33 06.7 |
| | EL | 34 13.7 |
| EUR | EP | 06 33 19.0 |
| | EL | 34 25.0 |
| SEP 18 | | |
| FGU | EP | 06 33 41.9 |
| SEP 18 | | |
| H-08 02 21.1 | | |
| 10.3S 165.6E | | |
| h ABOUT 033KM | | |
| COL | IP | 08 14 40.6 |
| EUR | EP | 08 15 08.5 |
| BOZ | EP | 08 15 29.0 |
| SEP 18 | | |
| BOZ | E(P) | 08 47 42.0 |
| HHM | E(P) | 08 48 06.7 |
| SEP 18 | | |
| COL | IP | 09 32 27.3 |
| SEP 18 | | |
| SJP | E(P) | 10 07 42.0 |
| | EL | 08 42.4 |
| SEP 18 | | |
| GUA | IP | 10 42 12.0 |
| FGU | EP | 10 49 24.1 |
| | E | 50 07.0 |
| SEP 18 | | |
| EUR | E(P) | 12 23 15.8 |
| | EL | 23 51.0 |
| SEP 18 | | |
| GCA | IP | 14 02 08.2 |
| SEP 18 | | |
| COL | EP | 14 27 51.0 |
| SEP 18 | | |
| H-15 42 02.7 | | |
| 38.5N 057.2E | | |
| h ABOUT 033KM | | |
| COL | IP | 15 53 44.1 |
| SEP 18 | | |
| EUR | EP | 16 53 16.7 |
| SEP 18 | | |
| H-16 58 12.5 | | |
| 40.9N 029.2E | | |
| h ABOUT 033KM | | |
| COL | IP | 17 09 50.2 |
| WAS | EP | 17 09 55.0 |
| | E | 20 12.0 |
| CSC | EP | 17 10 29.0 |
| | E(S) | 20 53.0 |
| SJP | EP | 17 10 31.0 |
| RCD | E(P) | 17 10 47.2 |
| HHM | IP | 17 10 48.6 |
| BUT | EP | 17 10 56.4 |
| FGU | EP | 17 11 11.6 |
| EUR | EP | 17 11 29.3 |
| | E(PP) | 14 55.8 |
| | PKKP | 28 33.0 |
| ALQ | EP | 17 11 30.3 |
| BCN | EP | 17 11 41.8 |
| SEP 18 | | |
| H-17 18 00.8 | | |
| 3.3S 139.9E | | |
| h ABOUT 090KM | | |
| GUA | IP | 17 22 00.3 |
| | 1 | 22 20.0 |
| EUR | EP | 17 31 51.2 |
| SEP 18 | | |
| COL | IP | 17 44 12.0 |
| SEP 18 | | |
| HHM | E(P) | 18 16 39.7 |
| | E(S) | 17 33.7 |
| SEP 18 | | |
| GCA | IP | 19 01 04.4 |
| SEP 18 | | |
| ALQ | E(P) | 19 20 17.5 |
| SEP 18 | | |
| COL | EP | 19 41 43.0 |
| SEP 18 | | |
| COL | EP | 20 00 36.0 |
| SEP 18 | | |
| COL | EP | 20 29 10.0 |
| SEP 18 | | |
| HHM | E(P) | 20 49 31.7 |
| | ES | 50 37.7 |
| EUR | E(P) | 20 49 47.7 |
| | EL | 50 56.0 |
| SEP 18 | | |
| H-21 03 50.7 | | |
| 44.4N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 21 04 30.4 |
| | ES | 04 59.4 |
| HHM | EP | 21 04 50.7 |
| | EL | 05 57.7 |
| EUR | EP | 21 05 07.2 |
| | ES | 05 58.7 |
| SEP 18 | | |
| ALQ | IP | 21 21 11.7 |
| SEP 18 | | |
| FGU | IP | 22 21 45.1 |
| | E(S) | 22 07.6 |
| EUR | IP | 22 22 59.7 |
| | IL | 23 27.2 |
| SEP 18 | | |
| EUR | IP | 22 27 48.8 |
| SEP 18 | | |
| BCN | EP | 22 40 34.5 |
| | ES | 41 07.5 |
| HHM | E(P) | 22 42 21.7 |
| | ES | 46 55.7 |
| COL | EP | 22 47 03.0 |
| SEP 18 | | |
| COL | EP | 22 48 32.0 |
| FGU | IP | 22 52 58.6 |
| | IS | 53 17.6 |
| SEP 18 | | |
| COL | IP | 23 10 28.3 |
| SEP 18 | | |
| COL | IP | 23 34 43.5 |
| SEP 19 | | |
| H-00 06 43.0 | | |
| 02.6S 078.0W | | |
| h ABOUT 033KM | | |
| EUR | EP | 00 16 11.3 |
| BOZ | EP | 00 16 23.0 |
| SEP 19 | | |
| BOZ | EP | 01 25 19.0 |
| | ES | 25 53.0 |
| SEP 19 | | |
| FGU | IP | 02 26 08.8 |
| | IS | 26 38.3 |
| EUR | EP | 02 26 38.3 |
| SEP 19 | | |
| FGU | IP | 02 29 15.3 |
| | ES | 29 40.9 |
| SEP 19 | | |
| H-03 02 05.9 | | |
| 44.5N 114.7W | | |
| h ABOUT 015KM | | |
| BOZ | E(P) | 03 02 46.0 |
| | ES | 03 25.0 |
| HHM | E(P) | 03 03 07.7 |
| | EL | 04 10.7 |
| EUR | EP | 03 03 24.7 |
| | E(S) | 04 17.2 |
| SEP 19 | | |
| H-05 54 08.0 | | |
| 22.5S 067.5W | | |
| h ABOUT 233KM | | |
| ALQ | EP | 06 04 45.0 |
| EUR | EP | 06 05 34.5 |
| SEP 19 | | |
| COL | IP | 06 34 53.3 |
| SEP 19 | | |
| COL | EP | 07 02 55.0 |
| SEP 19 | | |
| BCN | IP | 08 22 46.7 |
| SEP 19 | | |
| H-08 59 40.6 | | |
| 22.0S 179.6W | | |
| h ABOUT 563KM | | |
| COL | IP | 09 11 40.2 |
| SEP 19 | | |
| COL | EP | 09 45 02.0 |
| SEP 19 | | |
| H-10 59 57.0 | | |
| 44.4N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 11 00 38.4 |
| | ES | 01 01.4 |
| BOZ | E(P) | 11 00 38.8 |
| | ES | 01 12.0 |
| HHM | E(P) | 11 00 59.7 |
| EUR | EP | 11 01 13.8 |
| | EL | 02 19.8 |
| SEP 19 | | |
| BOZ | EP | 11 39 04.5 |
| FGU | EP | 11 39 13.8 |
| | IS | 39 47.1 |
| SEP 19 | | |
| BUT | EP | 13 12 36.4 |
| SEP 19 | | |
| COL | EP | 13 33 28.0 |
| SEP 19 | | |
| COL | IP | 15 37 00.9 |
| SEP 19 | | |
| COL | EP | 16 27 53.0 |
| FGU | I(P) | 16 29 13.4 |
| SEP 19 | | |
| H-16 31 15.0 | | |
| 31.0N 066.8E | | |
| h ABOUT 037KM | | |
| COL | EP | 16 43 25.0 |
| SEP 19 | | |
| GCA | IP | 16 39 18.5 |
| SEP 19 | | |
| H-16 49 29.9 | | |
| 47.1N 027.4W | | |
| h ABOUT 033KM | | |
| HHM | EP | 16 59 00.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL EP | 16 59 29.0 |
| EUR EP | 16 59 47.0 |
| SEP 19 | |
| ALQ E(P) | 17 06 13.3 |
| E | 16 52.0 |
| SEP 19 | |
| BCN EP | 17 08 19.8 |
| SEP 19 | |
| GCA EP | 18 25 38.4 |
| SEP 19 | |
| H-19 29 17.0 | |
| 15.2S 167.6E | |
| h ABOUT 161KM | |
| COL EP | 19 41 43.0 |
| EUR EP | 19 41 58.0 |
| SEP 19 | |
| FGU IP | 19 34 46.6 |
| IS | 35 22.1 |
| SEP 19 | |
| BCN EP | 19 42 33.9 |
| EUR EP | 19 42 36.5 |
| SEP 19 | |
| ALQ EP | 20 16 03.5 |
| SEP 19 | |
| BCN IP | 22 17 54.2 |
| SEP 19 | |
| BOZ EP | 22 31 08.0 |
| EUR EP | 22 31 44.5 |
| EL | 32 57.0 |
| SEP 19 | |
| BOZ EP | 22 45 06.0 |
| SEP 19 | |
| FGU IP | 23 15 01.5 |
| SEP 19 | |
| SLC IP | 23 44 29.0 |
| IS | 44 47.5 |
| SEP 20 | |
| KIP EP | 01 01 49.0 |
| IS | 08 50.0 |
| SEP 20 | |
| GUA E(P) | 01 43 42.5 |
| SEP 20 | |
| ALQ EP | 02 58 48.5 |
| SEP 20 | |
| H-03 03 32.9 | |
| 76.5N 007.9E | |
| h ABOUT 033KM | |
| COL EP | 03 10 50.0 |
| BOZ EP | 03 12 19.0 |
| E | 12 43.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| RCD E(P) | 03 12 42.5 |
| FGU EP | 03 13 12.6 |
| EUR EP | 03 13 31.5 |
| SEP 20 | |
| EUR E(P) | 03 21 44.5 |
| SEP 20 | |
| BOZ IP | 03 47 39.8 |
| IS | 47 47.0 |
| SEP 20 | |
| FGU EP | 03 50 20.8 |
| SEP 20 | |
| H-04 00 36.1 | |
| 11.3S 077.6W | |
| h ABOUT 033KM | |
| ALQ EP | 04 09 56.0 |
| EUR EP | 04 10 54.8 |
| E | 11 21.8 |
| EPCP | 11 33.8 |
| BOZ EP | 04 11 10.9 |
| COL EP | 04 13 41.0 |
| SEP 20 | |
| EUR EP | 04 08 25.0 |
| SEP 20 | |
| BUT EP | 06 23 16.4 |
| EUR E(P) | 06 23 20.0 |
| EL | 24 28.0 |
| SEP 20 | |
| H-07 25 11.8 | |
| 21.5S 068.3W | |
| h ABOUT 125KM | |
| ALQ EP | 07 35 51.7 |
| GCA IP | 07 36 19.1 |
| BCN EP | 07 36 25.0 |
| FGU E(P) | 07 36 30.5 |
| EUR EP | 07 36 43.3 |
| IPCP | 36 55.0 |
| BUT EP | 07 36 58.5 |
| HHM EP | 07 37 11.7 |
| SEP 20 | |
| KIP IP | 09 19 24.8 |
| SEP 20 | |
| COL EP | 10 44 30.0 |
| SEP 20 | |
| H-11 09 37.0 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 11 10 16.3 |
| IS | 10 48.3 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| HHM EP | 11 10 40.2 |
| EL | 11 41.7 |
| EUR EP | 11 10 52.8 |
| IS | 11 45.7 |
| SEP 20 | |
| BUT EP | 11 12 50.3 |
| IS | 13 27.3 |
| HHM EP | 11 13 20.7 |
| EL | 14 18.7 |
| SEP 20 | |
| FGU EP | 11 41 06.2 |
| ES | 42 16.7 |
| SEP 20 | |
| H-11 41 20.1 | |
| 44.4N 114.7W | |
| h ABOUT 015KM | |
| BUT EP | 11 41 58.7 |
| E(S) | 42 31.2 |
| HHM EP | 11 42 22.7 |
| EUR EP | 11 42 37.3 |
| ES | 43 28.8 |
| SEP 20 | |
| KIP EP | 12 00 58.0 |
| ES | 07 58.0 |
| EL | 12 12.0 |
| BUT EP | 12 06 45.2 |
| ES | 07 16.2 |
| SEP 20 | |
| H-14 41 22.6 | |
| 21.5S 068.0W | |
| h ABOUT 155KM | |
| ALQ IP | 14 52 00.3 |
| EPCP | 52 30.5 |
| E | 52 47.0 |
| GCA IP | 14 52 27.5 |
| IpP | 52 58.7 |
| BCN EP | 14 52 33.9 |
| EpP | 53 05.0 |
| FGU IP | 14 52 39.9 |
| IpP | 53 09.6 |
| RCD EpP | 14 53 08.2 |
| EUR IP | 14 52 51.4 |
| IPCP | 53 03.8 |
| BOZ EP | 14 53 03.9 |
| EpP | 53 35.0 |
| BUT EpP | 14 53 39.7 |
| HHM IP | 14 53 19.7 |
| IpP | 53 51.7 |
| COL IP | 14 55 39.6 |
| SEP 20 | |
| GUA IP | 15 41 19.0 |
| S | 41 34.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 20 | |
| FGU IP | 17 07 31.9 |
| IS | 07 51.5 |
| SEP 20 | |
| EUR EP | 17 18 56.1 |
| SEP 20 | |
| KIP EP | 17 50 21.0 |
| SEP 20 | |
| BOZ EP | 18 04 42.5 |
| ES | 05 17.0 |
| KIP IP | 18 07 40.0 |
| SEP 20 | |
| COL IP | 18 27 54.3 |
| SEP 20 | |
| COL IP | 18 47 25.8 |
| SEP 20 | |
| COL EP | 18 59 36.0 |
| SEP 20 | |
| H-19 02 15.1 | |
| 01.6N 127.1E | |
| h ABOUT 097KM | |
| COL EP | 19 14 48.0 |
| ALQ EP' | 19 20 54.0 |
| SEP 20 | |
| COL EP | 19 12 09.0 |
| SEP 20 | |
| BCN EP | 19 24 45.3 |
| ES | 24 57.0 |
| SEP 20 | |
| ALQ EP | 19 36 43.0 |
| SEP 20 | |
| COL EP | 20 14 43.0 |
| SEP 20 | |
| BOZ IP | 21 31 57.2 |
| BUT EP | 21 32 09.2 |
| HHM EP | 21 32 45.7 |
| ES | 33 44.7 |
| SEP 20 | |
| H-22 11 32.2 | |
| 17.8S 068.8W | |
| h ABOUT 171KM | |
| SJP IP | 22 18 16.4 |
| IpP | 18 52.0 |
| ALQ EP | 22 21 45.5 |
| EpP | 22 23.0 |
| E | 30 50.5 |
| GCA IP | 22 22 15.0 |
| IpP | 22 53.0 |
| BCN EP | 22 22 20.8 |
| EPCP | 22 37.8 |
| EpP | 22 59.8 |
| EpPCP | 23 16.8 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| RCD | E(P) | 22 22 21.2 |
| FGU | IP | 22 22 25.0 |
| EUR | IP | 22 22 40.3 |
| | IPCP | 22 58.6 |
| BOZ | IP | 22 22 51.0 |
| | pP | 23 30.0 |
| | sP | 23 48.0 |
| BUT | IP | 22 22 56.2 |
| | pP | 23 35.2 |
| | sP | 23 53.2 |
| HHM | E(P) | 22 23 01.8 |
| | IpP | 23 48.8 |
| COL | EP | 22 25 06.0 |
| | EpP | 25 46.0 |
| | EPP | 29 13.0 |
| GUA | IP' | 22 30 56.5 |
| | IpP' | 31 37.0 |
| SEP 20 | | |
| EUR | IP | 22 21 31.9 |
| SEP 20 | | |
| BUT | IP | 22 47 06.2 |
| HHM | E(P) | 22 47 48.8 |
| SEP 20 | | |
| BOZ | EP | 23 14 00.0 |
| | ES | 14 31.0 |
| FGU | IP | 23 14 09.4 |
| | IS | 14 42.4 |
| SEP 20 | | |
| GUA | IP | 23 31 14.0 |
| SEP 20 | | |
| SLC | IP | 23 51 12.7 |
| | IS | 51 33.9 |
| FGU | IP | 23 51 44.4 |
| SEP 21 | | |
| H-00 41 56.6 | | |
| 37.1N 095.4E | | |
| h ABOUT 033KM | | |
| BOZ | E(P) | 00 55 06.0 |
| | E | 55 18.0 |
| SEP 21 | | |
| H-03 55 26.6 | | |
| .0N 119.7E | | |
| h ABOUT 047KM | | |
| EUR | EP' | 04 14 10.0 |
| SEP 21 | | |
| H-04 32 43.5 | | |
| 37.2N 121.7W | | |
| h ABOUT 014KM | | |
| EUR | EP | 04 34 01.8 |
| | E(S) | 34 59.3 |
| BCN | E(P) | 04 34 29.8 |
| SEP 21 | | |
| BCN | EP | 05 06 46.3 |
| | EL | 07 18.0 |
| EUR | EP | 05 07 07.2 |
| | EL | 08 22.0 |
| SEP 21 | | |
| COL | EP | 05 30 50.0 |
| SEP 21 | | |
| COL | EP | 05 59 55.0 |
| SEP 21 | | |
| H-09 17 25.3 | | |
| 40.4N 140.0E | | |
| h ABOUT 179KM | | |
| COL | IP | 09 25 38.7 |
| BOZ | EP | 09 28 37.0 |
| | pP | 29 24.0 |
| EUR | IP | 09 28 46.6 |
| BCN | EP | 09 29 03.5 |
| ALQ | EP | 09 29 34.0 |
| SEP 21 | | |
| H-09 58 57.5 | | |
| 44.3N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 09 59 37.1 |
| | IS | 10 00 09.1 |
| BOZ | E(P) | 09 59 39.2 |
| | ES | 10 00 15.0 |
| HHM | E(P) | 10 00 01.8 |
| | EL | 00 59.8 |
| EUR | EP | 10 00 12.6 |
| | EL | 01 22.6 |
| FGU | E(P) | 10 00 28.6 |
| | EL | 00 36.6 |
| SEP 21 | | |
| EUR | IP | 10 49 50.5 |
| | IS | 50 24.5 |
| SEP 21 | | |
| H-12 29 25.8 | | |
| 43.7N 114.7W | | |
| h ABOUT 033KM | | |
| BUT | EP | 12 30 06.0 |
| BOZ | IP | 12 30 13.0 |
| | ES | 30 47.0 |
| HHM | E(P) | 12 30 21.0 |
| EUR | E(P) | 12 30 42.1 |
| | EL | 31 59.0 |
| SEP 21 | | |
| KIP | E(P) | 15 46 58.0 |
| | E | 47 19.0 |
| SEP 21 | | |
| COL | IP | 15 57 22.5 |
| SEP 21 | | |
| H-16 24 24.1 | | |
| 19.2N 155.5W | | |
| h ABOUT 005KM | | |
| HON | IP | 16 25 12.0 |
| | ES | 25 47.0 |
| KIP | IP | 16 25 12.9 |
| | IS | 25 49.2 |
| EUR | EP | 16 31 58.0 |
| BCN | EP | 16 31 58.3 |
| | E | 32 19.3 |
| GCA | EP | 16 32 22.0 |
| HHM | EP | 16 32 35.8 |
| BOZ | EP | 16 32 40.0 |
| | EPP | 34 23.0 |
| FGU | I(P) | 16 32 41.5 |
| COL | IP | 16 32 48.9 |
| SEP 21 | | |
| H-16 28 04.7 | | |
| 23.0S 179.8E | | |
| h ABOUT 483KM | | |
| KIP | IP | 16 36 10.0 |
| HON | IP | 16 36 10.0 |
| BCN | EP | 16 39 50.3 |
| EUR | EP | 16 39 55.0 |
| ALQ | EP | 16 40 15.0 |
| SEP 21 | | |
| COL | IP | 16 50 47.6 |
| ALQ | E(P) | 16 51 19.0 |
| SEP 21 | | |
| H-16 53 28.2 | | |
| 54.9N 161.5E | | |
| h ABOUT 033KM | | |
| COL | IP | 16 59 04.4 |
| BOZ | EP | 17 02 42.1 |
| | pP | 02 51.5 |
| EUR | EP | 17 02 58.0 |
| SEP 21 | | |
| ALQ | EP | 17 47 06.3 |
| GCA | IP | 17 47 19.0 |
| | IS | 47 47.7 |
| SEP 21 | | |
| FGU | IP | 18 19 03.4 |
| | IS | 19 54.8 |
| SEP 21 | | |
| H-18 23 32.2 | | |
| 24.2N 125.1E | | |
| h ABOUT 033KM | | |
| COL | E(P) | 18 34 30.0 |
| SEP 21 | | |
| KIP | EP | 19 30 35.0 |
| COL | EP | 19 31 31.0 |
| SEP 21 | | |
| ALQ | E(P) | 20 03 08.5 |
| SEP 21 | | |
| UKI | E(P) | 20 40 11.4 |
| SEP 21 | | |
| KIP | EP | 22 03 05.3 |
| | ES | 12 13.0 |
| SEP 21 | | |
| BCN | EP | 22 21 56.0 |
| SEP 21 | | |
| BCN | EP | 22 49 05.5 |
| | ES | 49 35.0 |
| GUA | EP | 22 50 14.5 |
| SEP 21 | | |
| SLC | EP | 23 07 05.8 |
| SEP 22 | | |
| BCN | EP | 00 02 17.0 |
| SEP 22 | | |
| H-00 50 36.1 | | |
| 44.3N 114.7W | | |
| h ABOUT 015KM | | |
| BUT | IP | 00 51 14.5 |
| | IS | 51 42.0 |
| BOZ | I(P) | 00 51 17.6 |
| HHM | IP | 00 51 40.0 |
| | EL | 52 35.8 |
| SLC | EP | 00 51 42.6 |
| | EL | 52 35.8 |
| EUR | EP | 00 51 50.0 |
| FGU | IP | 00 51 56.4 |
| | IL | 53 22.4 |
| RCD | E(P) | 00 52 40.7 |
| BCN | E(P) | 00 52 42.4 |
| | E | 53 10.0 |
| | EL | 54 54.5 |
| SEP 22 | | |
| GUA | IP | 00 54 45.5 |
| | I | 55 02.0 |
| SEP 22 | | |
| H-00 56 10.5 | | |
| 44.3N 114.8W | | |
| h ABOUT 015KM | | |
| BUT | EP | 00 56 49.0 |
| | ES | 57 16.0 |
| BOZ | I(P) | 00 56 53.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| HHM E(P) | 00 57 19.8 |
| EL | 58 16.8 |
| EUR E(P) | 00 57 32.0 |
| ES | 58 24.0 |
| SEP 22 | |
| BUT EP | 01 13 18.7 |
| ES | 13 59.7 |
| SEP 22 | |
| H-02 16 08.6 | |
| 16.3S 178.5E | |
| h ABOUT 033KM | |
| HON E(S) | 02 30 56.0 |
| EL | 35 58.0 |
| BCN EP | 02 28 26.0 |
| EUR EP | 02 28 30.0 |
| GCA EP | 02 28 41.8 |
| FGU E(P) | 02 28 56.2 |
| SEP 22 | |
| COL EP | 02 19 40.0 |
| SEP 22 | |
| COL IP | 02 37 46.8 |
| SEP 22 | |
| H-02 49 03.4 | |
| 52.5N 174.9W | |
| h ABOUT 105KM | |
| COL IP | 02 53 13.1 |
| ISCP | 03 00 59.0 |
| HHM IP | 02 56 11.8 |
| I▷P | 56 37.8 |
| IPCP | 58 25.8 |
| I | 58 55.8 |
| BOZ IP | 02 56 35.0 |
| I(▷P) | 57 03.0 |
| PCP | 58 35.0 |
| SCP | 03 02 13.0 |
| EUR IP | 02 56 44.4 |
| I▷P | 57 09.5 |
| IPCP | 58 38.0 |
| I▷PCP | 59 06.7 |
| ISCP | 03 02 16.0 |
| BCN EP | 02 57 08.0 |
| E▷P | 57 32.2 |
| E | 58 06.5 |
| EPCP | 58 48.5 |
| ESCP | 03 02 28.0 |
| FGU EP | 02 57 08.7 |
| I▷P | 57 35.7 |
| IPCP | 58 48.7 |
| ALQ EP | 02 57 52.0 |
| EPCP | 59 09.0 |
| SJP IP | 03 01 35.1 |
| E▷P | 02 05.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 22 | |
| H-02 56 24.3 | |
| 19.3S 175.9E | |
| h ABOUT 028KM | |
| KIP EP | 03 05 02.0 |
| E(PP) | 07 10.0 |
| ES | 12 10.0 |
| EL | 15 52.0 |
| HON EP | 03 05 02.0 |
| E(PP) | 07 08.0 |
| ES | 12 09.0 |
| E | 12 46.0 |
| EL | 15 46.0 |
| UKI EP | 03 08 41.5 |
| BCN IP | 03 09 01.5 |
| P'P' | 35 14.0 |
| EUR IP | 03 09 04.3 |
| EPP | 12 28.5 |
| EP'P' | 35 09.0 |
| COL IP | 03 09 12.7 |
| GCA IP | 03 09 16.3 |
| SLC IP | 03 09 21.7 |
| BUT EP | 03 09 29.1 |
| EPP | 13 05.0 |
| FGU IP | 03 09 30.2 |
| BOZ EP | 03 09 32.0 |
| PP | 13 10.0 |
| SEP 22 | |
| BCN EP | 03 16 36.2 |
| EL | 17 30.5 |
| SEP 22 | |
| KIP ET | 03 30 19.0 |
| SEP 22 | |
| FGU EP | 03 54 19.7 |
| SEP 22 | |
| BUT EP | 04 29 13.7 |
| ES | 29 52.7 |
| BOZ EP | 04 29 18.0 |
| E(S) | 29 52.0 |
| HHM E(P) | 04 29 39.8 |
| ES | 30 05.8 |
| SEP 22 | |
| H-04 37 15.1 | |
| 43.3N 111.4W | |
| h ABOUT 033KM | |
| BOZ IP | 04 37 51.0 |
| ES | 38 20.0 |
| SLC E(P) | 04 37 51.3 |
| FGU EP | 04 38 00.1 |
| IS | 38 37.6 |
| BUT EP | 04 38 01.0 |
| ES | 38 36.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| EUR EP | 04 38 33.0 |
| EL | 39 43.0 |
| HHM E(P) | 04 38 33.8 |
| EL | 39 45.8 |
| SEP 22 | |
| BOZ EP | 05 06 44.8 |
| ES | 07 11.0 |
| FGU EP | 05 06 56.0 |
| ES | 07 31.5 |
| KIP ET | 05 12 07.0 |
| SEP 22 | |
| FGU EP | 05 10 20.0 |
| ES | 10 53.0 |
| SEP 22 | |
| H-06 30 01.7 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 06 30 40.0 |
| ES | 31 03.0 |
| BOZ E(P) | 06 30 43.5 |
| I(S) | 31 16.0 |
| HHM EP | 06 31 05.8 |
| EL | 32 07.8 |
| SLC E(P) | 06 31 11.6 |
| E(S) | 32 05.6 |
| EUR EP | 06 31 15.6 |
| I(S) | 32 12.0 |
| FGU EP | 06 31 21.5 |
| BCN E(P) | 06 32 05.0 |
| EL | 34 25.0 |
| SEP 22 | |
| BUT EP | 06 37 31.0 |
| ES | 37 59.0 |
| BOZ IP | 06 37 33.0 |
| ES | 38 20.0 |
| EUR E(P) | 06 38 08.0 |
| EL | 39 16.0 |
| SEP 22 | |
| BUT IP | 06 59 01.0 |
| ES | 59 33.0 |
| SEP 22 | |
| BCN E(P) | 08 07 05.6 |
| E | 07 58.3 |
| SEP 22 | |
| BCN EP | 08 27 55.3 |
| EL | 28 55.8 |
| SEP 22 | |
| BOZ EP | 08 42 04.0 |
| ES | 42 35.0 |
| FGU EP | 08 42 16.0 |
| IS | 42 49.8 |
| GUA IP | 08 47 05.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 22 | |
| BOZ EP | 08 46 40.0 |
| SEP 22 | |
| H-08 58 10.5 | |
| 43.3N 111.5W | |
| h ABOUT 033KM | |
| SLC EP | 08 58 52.5 |
| FGU IP | 08 58 56.6 |
| IS | 59 33.1 |
| BOZ I(P) | 08 58 56.9 |
| I(S) | 59 14.0 |
| EUR E(P) | 08 59 27.0 |
| HHM E(P) | 08 59 31.8 |
| EL | 09 00 44.8 |
| SEP 22 | |
| FGU EP | 09 07 33.2 |
| IS | 08 11.9 |
| SEP 22 | |
| FGU EP | 09 29 46.2 |
| ES | 30 23.7 |
| SEP 22 | |
| FGU EP | 09 37 41.7 |
| IS | 38 17.7 |
| SEP 22 | |
| FGU EP | 09 48 54.2 |
| SEP 22 | |
| H-09 56 44.0 | |
| 43.3N 111.6W | |
| h ABOUT 033KM | |
| BOZ IP | 09 57 20.0 |
| IS | 57 49.9 |
| SLC EP | 09 57 25.0 |
| ES | 58 04.4 |
| BUT EP | 09 57 27.0 |
| IS | 58 05.0 |
| FGU IP | 09 57 29.5 |
| IS | 58 05.7 |
| HHM E(P) | 09 57 57.8 |
| EL | 59 13.8 |
| EUR E(P) | 09 57 59.2 |
| EL | 59 00.0 |
| SEP 22 | |
| COL EP | 10 04 47.0 |
| SEP 22 | |
| H-10 40 55.8 | |
| 29.3N 055.3E | |
| h ABOUT 033KM | |
| COL EP | 10 53 26.0 |
| SEP 22 | |
| COL EP | 10 58 03.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 22 | |
| H-11 23 05.2 | |
| 5.2S 150.6E | |
| h ABOUT 045KM | |
| GUA E(P) | 11 27 29.0 |
| E | 27 41.8 |
| COL IP | 11 35 28.8 |
| EUR EP | 11 36 32.0 |
| SEP 22 | |
| FGU EP | 13 18 59.4 |
| SEP 22 | |
| H-14 55 01.2 | |
| 44.4N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 14 55 38.9 |
| ES | 56 11.9 |
| BOZ E(P) | 14 55 41.0 |
| ES | 56 20.0 |
| HHM EP | 14 56 03.8 |
| EL | 57 05.8 |
| EUR EP | 14 56 17.7 |
| EL | 58 28.0 |
| SEP 22 | |
| GCA IP | 15 19 25.1 |
| SEP 22 | |
| H-15 41 19.0 | |
| 44.4N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 15 41 57.9 |
| ES | 42 25.9 |
| BOZ E(P) | 15 42 00.0 |
| ES | 42 32.0 |
| HHM EP | 15 42 19.8 |
| EL | 43 18.8 |
| EUR EP | 15 42 36.2 |
| SEP 22 | |
| H-15 58 06.1 | |
| 41.9N 126.7W | |
| h ABOUT 033KM | |
| BOZ E(P) | 16 00 45.0 |
| BCN EP | 16 00 47.5 |
| COL EP | 16 03 39.0 |
| SEP 22 | |
| FGU EP | 15 58 09.7 |
| ES | 58 17.0 |
| SEP 22 | |
| BOZ EP | 16 15 26.0 |
| ES | 15 57.0 |
| FGU IP | 16 15 33.1 |
| IS | 16 06.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 22 | |
| BOZ EP | 16 17 06.0 |
| ES | 17 37.0 |
| FGU IP | 16 17 12.3 |
| IS | 17 44.1 |
| SEP 22 | |
| FGU IP | 16 20 42.1 |
| IS | 21 16.6 |
| SEP 22 | |
| BOZ EP | 16 25 50.0 |
| ES | 26 21.0 |
| FGU IP | 16 25 57.1 |
| IS | 26 30.6 |
| SEP 22 | |
| BOZ EP | 16 27 29.0 |
| ES | 28 04.0 |
| FGU IP | 16 27 35.6 |
| IS | 28 11.6 |
| BUT EP | 16 27 38.8 |
| ES | 28 18.8 |
| SEP 22 | |
| FGU EP | 16 33 15.6 |
| IS | 33 51.1 |
| SEP 22 | |
| BOZ EP | 16 37 49.0 |
| ES | 38 22.0 |
| FGU IP | 16 37 56.1 |
| IS | 38 29.6 |
| SEP 22 | |
| FGU IP | 16 48 52.6 |
| SEP 22 | |
| FGU EP | 16 57 28.6 |
| IS | 57 52.6 |
| SEP 22 | |
| H-17 06 07.1 | |
| 43.2N 111.2W | |
| h ABOUT 033KM | |
| BOZ EP | 17 06 47.0 |
| ES | 07 14.0 |
| SLC IP | 17 06 48.6 |
| IS | 07 21.6 |
| FGU E()P | 17 06 49.0 |
| I | 06 51.6 |
| IS | 07 25.0 |
| BUT EP | 17 06 51.8 |
| IS | 07 34.8 |
| EUR EP | 17 07 24.2 |
| HHM E(P) | 17 07 46.8 |
| E(S) | 08 53.8 |
| SEP 22 | |
| FGU EP | 17 47 52.5 |
| IS | 48 45.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 22 | |
| BUT EP | 18 36 29.3 |
| ES | 36 52.8 |
| SEP 22 | |
| BOZ EP | 18 43 09.0 |
| ES | 43 42.0 |
| SEP 22 | |
| FGU E(P) | 18 50 45.4 |
| I | 51 17.5 |
| BUT EP | 18 51 20.8 |
| ES | 51 59.8 |
| SEP 22 | |
| EUR IP | 18 58 46.3 |
| SEP 22 | |
| H-19 21 57.1 | |
| 19.2S 175.9E | |
| h ABOUT 024KM | |
| KIP EP | 19 30 34.0 |
| ES | 37 42.0 |
| EL | 43 26.0 |
| HON EP | 19 30 34.0 |
| ES | 37 40.0 |
| E | 41 25.0 |
| EL | 43 52.0 |
| UKI EP | 19 34 10.0 |
| BCN IP | 19 34 34.9 |
| E | 35 09.0 |
| EPP | 37 50.4 |
| EUR IP | 19 34 38.8 |
| COL IP | 19 34 45.3 |
| GCA IP | 19 34 49.6 |
| SLC I(P) | 19 34 55.3 |
| BUT EP | 19 35 02.7 |
| E | 35 37.7 |
| HHM EP | 19 35 03.9 |
| BOZ IP | 19 35 05.0 |
| EPP | 38 42.0 |
| FGU I(P) | 19 35 07.4 |
| I | 35 11.3 |
| RCD E(P) | 19 35 28.0 |
| SEP 22 | |
| H-19 28 42.2 | |
| 10.3S 165.1E | |
| h ABOUT 033KM | |
| COL EP | 19 41 01.0 |
| EUR EP | 19 41 30.0 |
| BCN EP | 19 41 30.4 |
| BOZ EP | 19 41 51.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 22 | |
| FGU IP | 19 56 06.4 |
| IS | 57 36.9 |
| SEP 22 | |
| BOZ EP | 20 13 27.0 |
| ES | 13 57.5 |
| FGU EP | 20 13 32.8 |
| IS | 14 05.3 |
| GUA E(P) | 20 13 40.3 |
| SEP 22 | |
| H-20 33 47.7 | |
| 62.9N 148.8W | |
| h ABOUT 053KM | |
| COL IP | 20 34 21.2 |
| SEP 22 | |
| BOZ EP | 20 41 27.9 |
| ES | 41 58.0 |
| FGU IP | 20 41 33.8 |
| IS | 42 08.3 |
| SEP 22 | |
| FGU E(P) | 21 01 40.8 |
| IS | 02 15.8 |
| SEP 22 | |
| H-21 13 32.6 | |
| 44.3N 114.8W | |
| h ABOUT 015KM | |
| BUT IP | 21 14 10.2 |
| IS | 14 36.7 |
| BOZ E(P) | 21 14 13.7 |
| HHM IP | 21 14 36.3 |
| IS | 15 20.8 |
| SLC E(P) | 21 14 39.9 |
| EL | 15 37.4 |
| EUR EP | 21 14 49.0 |
| IS | 15 34.5 |
| FGU E(P) | 21 14 52.1 |
| I | 15 00.1 |
| RCD E(P) | 21 15 37.0 |
| BCN E(P) | 21 16 00.0 |
| EL | 17 46.5 |
| SEP 22 | |
| FGU IP | 21 18 30.5 |
| IS | 19 03.5 |
| SEP 22 | |
| H-21 30 55.8 | |
| 43.2N 111.5W | |
| h ABOUT 033KM | |
| BOZ EP | 21 31 32.9 |
| ES | 32 05.0 |
| FGU IP | 21 31 40.8 |
| IS | 32 13.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BUT E(P) | 21 31 41.7 |
| ES | 32 21.7 |
| EUR EP | 21 32 12.0 |
| SEP 22 | |
| H-21 32 17.0 | |
| 43.2N 111.4W | |
| h ABOUT 033KM | |
| BOZ EP | 21 32 54.0 |
| ES | 33 25.0 |
| SLC IP | 21 32 57.4 |
| IS | 33 30.1 |
| FGU IP | 21 32 59.8 |
| IS | 33 30.8 |
| BUT EP | 21 33 03.7 |
| ES | 33 42.7 |
| EUR EP | 21 33 32.0 |
| HHM EP | 21 33 38.8 |
| EL | 35 00.8 |
| GCA E(P) | 21 34 13.4 |
| SEP 22 | |
| FGU EP | 21 42 48.3 |
| IS | 43 28.0 |
| BCN EP | 21 44 03.0 |
| EL | 44 14.5 |
| SEP 22 | |
| SLC IP | 22 16 36.0 |
| IS | 16 57.0 |
| FGU E(P) | 22 17 06.4 |
| I | 17 08.0 |
| ES | 17 35.2 |
| SEP 22 | |
| H-22 32 10.0 | |
| 37.5N 020.6E | |
| h ABOUT 033KM | |
| HHM IP | 22 44 47.3 |
| SEP 22 | |
| H-22 36 23.6 | |
| 42.0N 126.5W | |
| h ABOUT 033KM | |
| EUR EP | 22 38 26.0 |
| GCA E(P) | 22 39 24.6 |
| SEP 22 | |
| FGU EP | 22 59 22.7 |
| IS | 23 00 07.2 |
| SEP 22 | |
| GUA IP | 23 58 25.2 |
| ES | 58 34.0 |
| SEP 23 | |
| H-00 28 55.9 | |
| 19.0S 169.7E | |
| h ABOUT 217KM | |
| GUA E(P) | 00 36 18.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 23 | |
| GUA E(P) | 00 42 25.5 |
| SEP 23 | |
| H-01 30 32.7 | |
| 43.2N 111.3W | |
| h ABOUT 033KM | |
| BOZ EP | 01 31 10.9 |
| ES | 31 42.0 |
| FGU EP | 01 31 15.9 |
| I | 31 17.0 |
| IS | 31 51.5 |
| EUR EP | 01 31 50.7 |
| SEP 23 | |
| FGU EP | 02 43 24.5 |
| IS | 43 57.5 |
| SEP 23 | |
| FGU E(P) | 02 48 05.8 |
| ES | 48 33.0 |
| GCA EP | 02 48 22.8 |
| SEP 23 | |
| BOZ E(P) | 03 32 18.0 |
| SEP 23 | |
| HHM EP | 03 41 17.7 |
| SEP 23 | |
| BOZ EP | 04 19 04.0 |
| ES | 19 35.0 |
| SLC EP | 04 19 06.8 |
| IS | 19 38.3 |
| FGU IP | 04 19 10.4 |
| IS | 19 44.9 |
| EUR EP | 04 19 42.6 |
| EL | 20 52.0 |
| HHM E(P) | 04 19 49.7 |
| E | 21 11.7 |
| SEP 23 | |
| COL EP | 05 15 38.0 |
| SEP 23 | |
| BOZ EP | 05 35 52.0 |
| SEP 23 | |
| HHM E(P) | 05 46 14.7 |
| ES | 47 16.7 |
| EUR EP | 05 46 28.3 |
| SEP 23 | |
| FGU E(P) | 06 15 57.2 |
| ES | 16 35.7 |
| SEP 23 | |
| BUT E(P) | 06 23 35.7 |
| ES | 24 10.7 |
| BOZ EP | 06 23 41.5 |
| ES | 24 17.0 |
| EUR EP | 06 24 16.3 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 23 | |
| COL EP | 06 30 15.0 |
| SEP 23 | |
| H-06 40 36.5 | |
| 16.6S 028.6E | |
| h ABOUT 033KM | |
| COL IP' | 06 59 46.7 |
| HHM EP' | 06 59 51.7 |
| GCA EP' | 06 59 58.1 |
| EUR EP' | 07 00 01.1 |
| BCN EP' | 07 00 07.6 |
| SEP 23 | |
| BOZ EP | 06 59 22.0 |
| SEP 23 | |
| BUT E(P) | 07 54 00.7 |
| ES | 55 34.7 |
| SEP 23 | |
| H-08 10 35.4 | |
| 16.7S 028.7E | |
| h ABOUT 033KM | |
| EUR EP' | 08 30 01.2 |
| SEP 23 | |
| H-09 01 56.8 | |
| 16.6S 028.8E | |
| h ABOUT 033KM | |
| COL IP' | 09 21 07.2 |
| E | 33 10.0 |
| RCD EP' | 09 21 08.4 |
| HHM EP' | 09 21 08.9 |
| BUT EP' | 09 21 09.6 |
| FGU EP' | 09 21 11.0 |
| SLC EP' | 09 21 12.8 |
| GCA EP' | 09 21 14.6 |
| BOZ EP' | 09 21 18.0 |
| EUR IP' | 09 21 21.6 |
| BCN EP' | 09 21 24.4 |
| E | 23 12.4 |
| UKI EP' | 09 21 40.6 |
| KIP EP' | 09 22 06.0 |
| HON EP' | 09 22 08.0 |
| EPP | 27 22.0 |
| E | 33 14.0 |
| SEP 23 | |
| COL EP | 09 13 24.0 |
| SEP 23 | |
| H-09 58 46.0 | |
| 05.6S 153.8E | |
| h ABOUT 080KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| GUA E(P) | 10 03 27.8 |
| COL IP | 10 10 57.7 |
| EUR EP | 10 11 55.1 |
| SEP 23 | |
| EUR EP | 10 05 57.0 |
| SEP 23 | |
| H-10 21 03.6 | |
| 44.4N 114.8W | |
| h ABOUT 015KM | |
| BUT EP | 10 21 40.6 |
| ES | 22 10.5 |
| BOZ E(P) | 10 21 45.0 |
| E(S) | 22 21.0 |
| EUR EP | 10 22 20.2 |
| SEP 23 | |
| FGU E(P) | 10 28 13.5 |
| ES | 28 45.5 |
| SEP 23 | |
| BCN EP | 11 31 39.8 |
| EUR E(P) | 11 31 58.4 |
| SEP 23 | |
| GUA IP | 11 59 22.9 |
| ES | 59 35.0 |
| FGU E(P) | 12 09 46.3 |
| IS | 10 19.2 |
| SEP 23 | |
| H-12 17 08.6 | |
| 44.4N 114.8W | |
| h ABOUT 015KM | |
| BOZ E(P) | 12 17 51.0 |
| HHM E(P) | 12 18 10.5 |
| EUR EP | 12 18 25.2 |
| SEP 23 | |
| EUR EP | 13 10 27.0 |
| SEP 23 | |
| BOZ EP | 14 14 56.0 |
| SEP 23 | |
| H-14 41 51.0 | |
| 33.6N 117.0W | |
| h ABOUT 015KM | |
| BCN IP | 14 42 37.3 |
| GCA IP | 14 43 14.4 |
| EUR IP | 14 43 20.2 |
| UKI EP | 14 43 44.0 |
| EL | 45 31.0 |
| SLC EP | 14 43 53.7 |
| I | 44 25.4 |
| EL | 46 13.0 |

| Date and Station | Phase | Phase (GCT) h m s |
|---|---|---|
| BUT | EP | 14 44 55.5 |
| | EL | 48 35.5 |
| BOZ | EP | 14 44 56.0 |
| HHM | EP | 14 45 24.5 |
| | EL | 49 44.5 |
| RCD | E(P) | 14 45 24.8 |
| COL | IP | 14 49 02.1 |
| SEP 23 | | |
| H-15 02 23.3 | | |
| 16.7S 028.4E | | |
| h ABOUT 033KM | | |
| HHM | EP' | 15 21 42.5 |
| EUR | EP' | 15 21 48.4 |
| SEP 23 | | |
| EUR | EP | 16 27 02.7 |
| SEP 23 | | |
| H-17 02 36.6 | | |
| 51.3N 179.2W | | |
| h ABOUT 033KM | | |
| COL | EP | 17 07 20.0 |
| HON | E(S) | 17 14 54.0 |
| | EL | 18 06.0 |
| KIP | IP | 17 09 20.3 |
| | I | 09 38.0 |
| | EL | 18 08.0 |
| | ET | 45 01.0 |
| HHM | EP | 17 10 17.7 |
| BUT | EP | 17 10 34.5 |
| BOZ | IP | 17 10 40.0 |
| EUR | IP | 17 10 48.2 |
| | IPCP | 12 03.0 |
| BCN | EP | 17 11 11.1 |
| FGU | IP | 17 11 13.0 |
| GCA | EP | 17 11 21.6 |
| RCD | E(P) | 17 11 26.2 |
| SEP 23 | | |
| FGU | EP | 17 30 00.5 |
| | IS | 30 36.0 |
| SEP 23 | | |
| CSC | EP | 18 13 40.0 |
| SEP 23 | | |
| H-18 33 47.4 | | |
| 29.6N 050.9E | | |
| h ABOUT 039KM | | |
| COL | EP | 18 46 18.0 |
| SEP 23 | | |
| BCN | EP | 19 16 15.8 |
| | ES | 16 28.0 |
| SEP 23 | | |
| KIP | IP | 20 24 52.4 |
| | IS | 25 25.0 |
| SEP 23 | | |
| HHM | E(P) | 21 44 59.4 |
| | ES | 45 58.4 |
| SEP 23 | | |
| GCA | IP | 21 51 16.1 |
| SEP 23 | | |
| FGU | EP | 22 09 26.0 |
| | IS | 09 45.0 |
| SEP 23 | | |
| H-22 23 37.7 | | |
| 16.6S 028.7E | | |
| h ABOUT 033KM | | |
| EUR | EP' | 22 43 02.9 |
| SEP 23 | | |
| FGU | EP | 23 02 08.0 |
| | IS | 02 41.5 |
| BCN | EP | 23 03 04.3 |
| | EL | 03 35.8 |
| SEP 23 | | |
| H-23 14 43.1 | | |
| 16.1S 174.8W | | |
| h ABOUT 252KM | | |
| COL | EP | 23 26 43.0 |
| SEP 23 | | |
| H-23 27 10.5 | | |
| 43.3N 111.5W | | |
| h ABOUT 033KM | | |
| BUT | EP | 23 27 55.5 |
| | ES | 27 31.5 |
| FGU | IP | 23 27 56.0 |
| | IL | 28 36.0 |
| HHM | E(P) | 23 28 18.4 |
| | EL | 29 50.4 |
| EUR | EP | 23 28 27.3 |
| | ES | 29 20.8 |
| SEP 24 | | |
| FGU | EP | 00 12 45.4 |
| | IS | 13 07.4 |
| SEP 24 | | |
| BUT | EP | 00 18 07.4 |
| | ES | 18 37.4 |
| EUR | E(P) | 00 18 46.2 |
| | EL | 19 54.0 |
| SEP 24 | | |
| FGU | EP | 00 22 31.1 |
| | IS | 23 07.2 |
| SEP 24 | | |
| H-02 10 44.9 | | |
| 41.0N 029.0E | | |
| h ABOUT 033KM | | |
| HHM | E(P) | 02 23 10.4 |
| SEP 24 | | |
| BUT | E(P) | 02 45 03.0 |
| | ES | 45 33.4 |
| SEP 24 | | |
| EUR | EP | 03 17 55.7 |
| SEP 24 | | |
| GUA | EP | 04 32 19.0 |
| SEP 24 | | |
| GUA | IP | 05 09 40.8 |
| | E(S) | 10 35.0 |
| SEP 24 | | |
| H-05 33 31.0 | | |
| 17.8N 100.9W | | |
| h ABOUT 033KM | | |
| ALQ | EP | 05 37 38.3 |
| | E | 38 12.0 |
| GCA | IP | 05 38 18.1 |
| BCN | EP | 05 38 23.6 |
| FGU | EP | 05 38 45.4 |
| EUR | EP | 05 38 56.0 |
| COL | EP | 05 43 11.0 |
| SEP 24 | | |
| BCN | IP | 05 58 56.4 |
| | EL | 59 24.0 |
| SEP 24 | | |
| H-06 31 50.5 | | |
| 44.8N 111.0W | | |
| h ABOUT 033KM | | |
| BUT | IP | 06 32 17.4 |
| | IS | 32 39.4 |
| FGU | IP | 06 32 52.4 |
| | I | 33 26.4 |
| HHM | IP | 06 32 52.6 |
| | EL | 33 53.4 |
| SLC | EP | 06 32 53.4 |
| RCD | E(P) | 06 33 26.6 |
| EUR | EP | 06 33 27.3 |
| SEP 24 | | |
| H-06 35 52.1 | | |
| 44.9N 111.0W | | |
| h ABOUT 033KM | | |
| BUT | IP | 06 36 17.4 |
| | I | 36 20.2 |
| | IS | 36 41.4 |
| HHM | EP | 06 36 54.4 |
| | EL | 37 53.4 |
| FGU | IP | 06 36 54.4 |
| | I | 37 26.4 |
| SLC | EP | 06 36 56.0 |
| EUR | EP | 06 37 33.5 |
| SEP 24 | | |
| COL | EP | 06 40 55.0 |
| SEP 24 | | |
| EUR | EP | 06 51 50.7 |
| | EL | 09 52 56.7 |
| SEP 24 | | |
| H-07 12 40.3 | | |
| 17.4N 105.6W | | |
| h ABOUT 033KM | | |
| ALQ | EP | 07 16 44.0 |
| BCN | E(P) | 07 17 14.1 |
| | E | 17 17.8 |
| FGU | EP | 07 17 52.3 |
| SEP 24 | | |
| BUT | EP | 07 23 14.1 |
| GUA | EP | 07 27 34.5 |
| SEP 24 | | |
| H-07 55 41.4 | | |
| 15.8S 013.3W | | |
| h ABOUT 033KM | | |
| SJP | EP | 08 06 02.5 |
| SEP 24 | | |
| H-08 30 01.6 | | |
| 28.6S 068.4W | | |
| h ABOUT 094KM | | |
| SJP | EP | 08 38 21.0 |
| ALQ | IP | 08 41 21.2 |
| GCA | IP | 08 41 45.1 |
| BCN | EP | 08 41 49.5 |
| FGU | IP | 08 41 56.7 |
| RCD | E(P) | 08 41 57.5 |
| EUR | IP | 08 42 07.0 |
| | EPP | 42 36.7 |
| BUT | IP | 08 42 24.3 |
| HHM | IP | 08 42 36.4 |
| SEP 24 | | |
| GUA | EP | 09 01 18.5 |
| SEP 24 | | |
| H-09 13 38.0 | | |
| 16.6S 028.7E | | |
| h ABOUT 033KM | | |
| COL | EP' | 09 32 47.0 |
| EUR | EP' | 09 33 02.8 |
| BCN | EP' | 09 33 04.5 |
| SEP 24 | | |
| EUR | E(P) | 09 42 13.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| HHM EP | 09 42 41.3 |
| SEP 24 | |
| ALQ EP | 13 10 37.0 |
| SEP 24 | |
| COL EP | 15 20 31.0 |
| SEP 24 | |
| H-15 45 24.7 | |
| 10.5S 164.6E | |
| h ABOUT 033KM | |
| BCN EP | 15 58 15.8 |
| SEP 24 | |
| H-16 30 16.0 | |
| 10.6S 078.0W | |
| h ABOUT 080KM | |
| BHP IP | 16 34 39.5 |
| I(PP) | 35 10.0 |
| SJP IP | 16 36 29.0 |
| CSC IP | 16 38 20.0 |
| ES | 44 50.0 |
| WAS IP | 16 39 00.0 |
| ES | 19 46 01.0 |
| ALQ IP | 16 39 24.5 |
| E(S) | 46 54.0 |
| E | 51 00.0 |
| GCA IP | 16 39 55.4 |
| BCN IP | 16 40 02.4 |
| I | 42 33.4 |
| P'P' | 17 09 31.4 |
| FGU IP | 16 40 08.8 |
| RCD E(P) | 16 40 09.2 |
| EPP | 42 25.0 |
| E(S) | 48 15.0 |
| SLC IP | 16 40 16.1 |
| EPP | 42 32.0 |
| EUR P | 16 40 23.9 |
| E | 17 02 02.6 |
| BUT IP | 16 40 45.1 |
| UKI IP | 16 40 50.5 |
| P'P' | 17 09 35.5 |
| HON IP | 16 42 43.3 |
| I(pP) | 43 07.0 |
| EPP | 46 15.0 |
| E(S) | 53 04.0 |
| I | 54 56.0 |
| ESS | 58 28.0 |
| I | 59 18.0 |
| E(SSS) | 17 02 46.0 |
| IL | 05 30.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| KIP IP | 16 42 43.5 |
| EPP | 46 04.0 |
| E(S) | 53 04.0 |
| ESS | 58 26.0 |
| I | 59 18.0 |
| E(SSS) | 17 02 42.0 |
| IL | 05 34.0 |
| COL IP | 16 43 12.8 |
| E(S) | 54 02.0 |
| GUA EP' | 16 49 35.0 |
| SEP 24 | |
| HHM EP | 16 43 00.8 |
| ES | 49 49.3 |
| SEP 24 | |
| H-17 05 27.9 | |
| 43.2N 111.2W | |
| h ABOUT 033KM | |
| FGU IP | 17 06 09.9 |
| IS | 06 43.9 |
| SLC E(P) | 17 06 12.0 |
| BUT EP | 17 06 14.2 |
| E(S) | 06 54.2 |
| EUR E(P) | 17 06 45.2 |
| SEP 24 | |
| ALQ EP | 17 16 51.0 |
| EUR EP | 17 17 26.0 |
| I | 17 28.6 |
| SEP 24 | |
| EUR EP | 17 27 10.5 |
| EL | 27 44.9 |
| SEP 24 | |
| COL EP | 18 08 40.0 |
| SEP 24 | |
| BCN EP | 18 43 15.4 |
| ES | 43 53.4 |
| SEP 24 | |
| BCN EP | 19 24 25.6 |
| EL | 24 38.0 |
| SEP 24 | |
| COL IP | 20 00 32.6 |
| SEP 24 | |
| ALQ EP | 20 21 53.3 |
| SEP 24 | |
| FGU IP | 21 19 11.9 |
| IS | 19 31.1 |
| SEP 24 | |
| FGU IP | 21 48 18.6 |
| IS | 48 38.6 |
| SEP 24 | |
| H-22 08 32.1 | |
| 10.3S 164.6E | |
| h ABOUT 033KM | |
| KIP EP | 22 17 12.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL EP | 22 20 52.0 |
| EUR IP | 22 21 22.9 |
| BCN EP | 22 21 23.2 |
| GCA E(P) | 22 21 37.1 |
| SLC EP | 22 21 38.1 |
| FGU I(P) | 22 21 47.5 |
| SEP 24 | |
| EUR EP | 22 23 29.8 |
| CSC IP | 22 28 30.0 |
| SEP 24 | |
| EUR EP | 22 38 06.9 |
| E | 38 22.4 |
| SEP 24 | |
| EUR EP | 22 38 57.4 |
| SEP 24 | |
| CSC EP | 22 48 54.8 |
| I | 49 05.0 |
| SEP 24 | |
| H-23 08 56.0 | |
| 10.5S 164.7E | |
| h ABOUT 042KM | |
| EUR EP | 23 21 44.6 |
| SEP 25 | |
| H-00 47 38.0 | |
| 16.5N 086.6W | |
| h ABOUT 033KM | |
| ALQ EP | 00 53 06.7 |
| FGU E(P) | 00 53 43.9 |
| EUR E(P) | 00 54 33.3 |
| SEP 25 | |
| H-01 09 39.7 | |
| 16.6N 087.1W | |
| h ABOUT 033KM | |
| ALQ EP | 01 15 05.5 |
| E | 21 05.5 |
| FGU EP | 01 15 57.1 |
| BCN E(P) | 01 16 06.1 |
| EUR E(P) | 01 16 32.8 |
| SEP 25 | |
| EUR EP | 02 14 28.3 |
| SEP 25 | |
| COL EP | 04 05 22.0 |
| SEP 25 | |
| UKI E(P) | 04 17 13.5 |
| SEP 25 | |
| FGU EP | 04 28 19.9 |
| IS | 28 53.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 25 | |
| GUA EP | 04 48 34.5 |
| SEP 25 | |
| ALQ EP | 05 06 57.0 |
| E | 08 23.7 |
| EUR EP | 05 08 21.3 |
| SEP 25 | |
| BCN EP | 05 39 34.0 |
| GCA EP | 05 40 00.6 |
| SEP 25 | |
| H-06 11 20.9 | |
| 10.5S 164.5E | |
| h ABOUT 034KM | |
| COL EP | 06 23 42.0 |
| EUR EP | 06 24 12.4 |
| E | 24 31.0 |
| BCN EP | 06 24 12.9 |
| SEP 25 | |
| HHM E(P) | 06 49 15.2 |
| ES | 50 26.2 |
| EUR EP | 06 49 31.0 |
| E(S) | 50 22.5 |
| SEP 25 | |
| H-07 03 54.6 | |
| 16.7S 028.7E | |
| h ABOUT 033KM | |
| HHM EP' | 07 23 04.2 |
| FGU EP' | 07 23 04.6 |
| COL IP' | 07 23 04.8 |
| E | 35 08.0 |
| RCD EP' | 07 23 05.5 |
| GCA EP' | 07 23 12.6 |
| I | 23 22.6 |
| ALQ EP' | 07 23 15.5 |
| EUR IP' | 07 23 19.3 |
| E | 25 59.3 |
| BCN EP' | 07 23 22.3 |
| EPP | 26 31.0 |
| UKI EP' | 07 23 37.3 |
| SEP 25 | |
| COL P | 07 06 30.0 |
| SEP 25 | |
| BCN IP | 08 38 37.0 |
| IS | 39 23.3 |
| EUR IP | 08 39 13.8 |
| E(S) | 40 31.3 |
| GCA E(P) | 08 39 19.6 |
| TUC E(P) | 08 39 40.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 25 | |
| BCN EP | 09 24 20.0 |
| EL | 24 37.0 |
| EUR E(P) | 09 24 38.4 |
| SEP 25 | |
| BCN E(P) | 09 41 12.0 |
| SEP 25 | |
| BCN IP | 11 27 30.9 |
| IS | 28 16.9 |
| EUR IP | 11 28 07.5 |
| E(S) | 29 25.0 |
| GCA E(P) | 11 28 12.1 |
| TUC E(P) | 11 28 26.0 |
| SEP 25 | |
| H-12 46 42.0 | |
| 15.2S 167.4E | |
| h ABOUT 122KM | |
| COL EP | 12 59 12.0 |
| EUR EP | 12 59 27.4 |
| SEP 25 | |
| H-13 21 31.1 | |
| 10.5S 164.6E | |
| h ABOUT 033KM | |
| COL EP | 13 33 53.0 |
| EUR EP | 13 34 22.0 |
| SEP 25 | |
| EUR EP | 13 35 59.0 |
| BCN EP | 13 35 59.4 |
| SEP 25 | |
| H-13 44 21.9 | |
| 10.3S 164.4E | |
| h ABOUT 043KM | |
| COL IP | 13 56 42.3 |
| EUR EP | 13 57 11.5 |
| BCN EP | 13 57 12.2 |
| SEP 25 | |
| H-14 00 54.6 | |
| 10.2S 164.6E | |
| h ABOUT 033KM | |
| KIP E(P) | 14 09 37.0 |
| HON ES | 14 16 44.0 |
| EL | 20 51.0 |
| COL EP | 14 13 14.0 |
| EUR EP | 14 13 45.0 |
| BCN EP | 14 13 46.9 |
| SEP 25 | |
| H-14 23 47.7 | |
| 9.8S 164.5E | |
| h ABOUT 033KM | |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL EP | 14 36 09.0 |
| EUR EP | 14 36 37.5 |
| BCN EP | 14 36 37.8 |
| SEP 25 | |
| H-14 50 18.2 | |
| 10.1S 164.5E | |
| h ABOUT 033KM | |
| KIP EP | 14 59 01.0 |
| EL | 15 10 18.0 |
| HON E(S) | 15 06 20.0 |
| EL | 10 16.0 |
| COL EP | 15 02 39.0 |
| EUR EP | 15 03 08.9 |
| BCN EP | 15 03 09.8 |
| FGU EP | 15 03 33.3 |
| ALQ EP | 15 03 41.3 |
| SEP 25 | |
| H-15 01 37.4 | |
| 10.4S 164.4E | |
| h ABOUT 051KM | |
| COL E(P) | 15 13 45.0 |
| EUR EP | 15 14 26.6 |
| SEP 25 | |
| FGU IP | 15 18 47.8 |
| SEP 25 | |
| H-15 42 47.2 | |
| 10.5S 164.5E | |
| h ABOUT 019KM | |
| COL EP | 15 55 11.0 |
| SEP 25 | |
| ALQ EP | 17 11 51.5 |
| SEP 25 | |
| ALQ EP | 18 29 18.5 |
| E | 29 42.0 |
| SEP 25 | |
| FGU IP | 20 31 14.0 |
| IS | 31 11.5 |
| SEP 25 | |
| H-20 57 15.2 | |
| 10.5S 164.7E | |
| h ABOUT 036KM | |
| EUR EP | 21 10 06.7 |
| SEP 25 | |
| ALQ IP | 21 28 37.7 |
| SEP 25 | |
| BCN EP | 22 56 35.7 |
| ES | 57 03.7 |
| FGU EP | 22 58 01.0 |
| IS | 58 22.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 26 | |
| SLC IP | 00 13 50.0 |
| IS | 14 11.1 |
| FGU EP | 00 14 20.7 |
| I | 14 22.7 |
| ES | 14 51.2 |
| EUR EP | 00 14 33.2 |
| EL | 15 13.0 |
| GCA EP | 00 14 49.3 |
| SEP 26 | |
| FGU EP | 00 25 22.2 |
| I | 25 33.2 |
| IS | 26 12.2 |
| SEP 26 | |
| GCA EP | 03 52 48.1 |
| EUR EP | 03 53 13.2 |
| IL | 54 02.2 |
| SEP 26 | |
| H-04 20 21.5 | |
| 56.5N 153.4W | |
| h ABOUT 033KM | |
| HHM EP | 04 25 44.6 |
| EUR EP | 04 26 27.3 |
| EPCP | 29 26.3 |
| FGU E(P) | 04 26 49.9 |
| BCN EP | 04 27 06.1 |
| ALQ E(P) | 04 27 46.5 |
| SEP 26 | |
| EUR EP | 04 33 10.3 |
| SEP 26 | |
| KIP ET | 05 03 39.0 |
| SEP 26 | |
| H-05 28 07.3 | |
| 50.4N 176.9W | |
| h ABOUT 033KM | |
| COL IP | 05 32 48.2 |
| EPCP | 36 48.0 |
| HON E(P) | 05 34 34.0 |
| IS | 39 55.0 |
| EL | 41 38.0 |
| KIP E(P) | 05 34 20.0 |
| ES | 39 55.0 |
| EL | 41 34.0 |
| HHM EP | 05 35 40.0 |
| IPCP | 37 46.0 |
| EUR IP | 05 36 08.7 |
| EPP | 37 53.8 |
| ES | 42 39.8 |
| SLC IP | 05 36 23.2 |
| BCN EP | 05 36 31.3 |
| IPCP | 38 08.6 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| FGU I(P) | 05 36 36.3 |
| GCA IP | 05 36 41.6 |
| ALQ EP | 05 37 16.3 |
| EPCP | 38 29.0 |
| SEP 26 | |
| H-05 55 09.7 | |
| 05.6S 148.0E | |
| h ABOUT 156KM | |
| GUA EP | 05 59 26.1 |
| COL EP | 06 07 24.0 |
| EUR EP | 06 08 29.3 |
| SEP 26 | |
| H-06 40 43.5 | |
| 56.6N 153.2W | |
| h ABOUT 033KM | |
| COL IP | 06 42 48.0 |
| EUR EP | 06 46 47.9 |
| BCN EP | 06 47 16.6 |
| SEP 26 | |
| EUR EP | 06 53 31.4 |
| SEP 26 | |
| EUR EP | 06 55 51.1 |
| SEP 26 | |
| COL IP | 10 30 36.2 |
| SEP 26 | |
| EUR EP | 12 32 02.6 |
| SEP 26 | |
| EUR EP | 13 32 58.0 |
| SEP 26 | |
| EUR EP | 14 02 21.0 |
| ES | 02 43.0 |
| GUA IP | 14 13 27.5 |
| SEP 26 | |
| FGU IP | 14 49 57.1 |
| IS | 50 23.1 |
| COL EP | 14 49 58.0 |
| SEP 26 | |
| FGU EP | 17 14 34.3 |
| IS | 15 08.8 |
| SEP 26 | |
| FGU EP | 17 21 46.4 |
| IS | 22 18.8 |
| GUA E(P) | 17 29 23.6 |
| SEP 26 | |
| BCN IP | 17 26 41.5 |
| IS | 27 18.5 |
| EUR E(P) | 17 27 24.1 |
| IL | 28 47.1 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 26 | |
| FGU EP | 19 24 17.7 |
| IS | 24 52.2 |
| SEP 26 | |
| H-20 35 54.3 | |
| 3.3S 141.9E | |
| h ABOUT 033KM | |
| COL IP | 20 48 25.4 |
| EUR E(P) | 20 49 45.9 |
| SEP 26 | |
| COL EP | 21 42 40.0 |
| SEP 26 | |
| FGU IP | 22 12 51.4 |
| IS | 13 11.1 |
| SEP 26 | |
| SLC EP | 23 06 10.5 |
| IS | 06 38.3 |
| FGU EP | 23 06 41.4 |
| SEP 26 | |
| SLC EP | 23 13 08.3 |
| ES | 13 36.5 |
| FGU EP | 23 13 38.9 |
| SEP 26 | |
| FGU EP | 23 25 10.4 |
| IS | 25 44.9 |
| SEP 27 | |
| BCN EP | 00 10 34.3 |
| ES | 10 46.0 |
| SEP 27 | |
| GUA EP | 04 52 50.0 |
| SEP 27 | |
| SJP IP | 05 21 20.5 |
| SEP 27 | |
| EUR E(P) | 06 14 18.0 |
| SEP 27 | |
| H-07 54 10.6 | |
| 12.9S 171.5W | |
| h ABOUT 033KM | |
| COL IP | 08 06 15.2 |
| SEP 27 | |
| H-10 04 04.7 | |
| 10.8N 062.2W | |
| h ABOUT 104KM | |
| SJP I(P) | 10 05 08.2 |
| IS | 06 31.4 |
| FGU IP | 10 12 58.8 |
| GCA EP | 10 13 03.2 |
| BCN EP | 10 13 19.4 |
| EUR EP | 10 13 30.9 |
| COL EP | 10 15 55.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 27 | |
| H-10 28 04.1 | |
| 17.1S 174.6E | |
| h ABOUT 033KM | |
| KIP ES | 10 43 28.0 |
| EL | 46 50.0 |
| HON ES | 10 43 30.0 |
| EL | 46 58.0 |
| BCN EP | 10 40 38.4 |
| EUR EP | 10 40 40.9 |
| COL EP | 10 40 42.0 |
| SEP 27 | |
| H-11 04 17.3 | |
| 11.3N 126.0E | |
| h ABOUT 017KM | |
| GUA P | 11 08 34.0 |
| ES | 12 16.0 |
| HON ES | 11 25 24.0 |
| EL | 37 48.0 |
| COL EP | 11 16 18.0 |
| SEP 27 | |
| H-11 25 53.6 | |
| 17.2S 174.7E | |
| h ABOUT 033KM | |
| HON IS | 11 41 18.0 |
| EL | 44 50.0 |
| KIP IS | 11 41 20.0 |
| EL | 44 50.0 |
| BCN EP | 11 38 29.4 |
| EUR EP | 11 38 29.4 |
| EPP | 41 52.0 |
| COL EP | 11 38 34.0 |
| SLC EP | 11 38 47.7 |
| FGU E(P) | 11 38 55.4 |
| SEP 27 | |
| BCN IP | 14 20 27.0 |
| E(S) | 20 48.0 |
| EUR IP | 14 20 42.0 |
| IS | 21 13.0 |
| GCA EP | 14 21 05.2 |
| SEP 27 | |
| BCN EP | 14 30 55.7 |
| SEP 27 | |
| BCN EP | 14 45 17.8 |
| SEP 27 | |
| H-14 49 32.3 | |
| 21.3S 179.0W | |
| h ABOUT 354KM | |
| EUR EP | 15 01 26.5 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| COL IP | 15 01 49.0 |
| SEP 27 | |
| BCN EP | 16 20 45.8 |
| IL | 21 26.8 |
| SEP 27 | |
| H-16 26 49.8 | |
| 37.0N 141.3E | |
| h ABOUT 081KM | |
| COL IP | 16 35 31.3 |
| EUR EP | 16 38 31.2 |
| SEP 27 | |
| H-16 46 12.2 | |
| 32.6N 115.5W | |
| h ABOUT 033KM | |
| BCN EP | 16 47 08.1 |
| ES | 47 46.3 |
| TUC EP | 16 47 13.5 |
| GCA EP | 16 47 31.1 |
| I | 47 49.6 |
| EUR EP | 16 47 52.1 |
| SEP 27 | |
| H-17 09 33.3 | |
| 27.9N 066.1E | |
| h ABOUT 088KM | |
| COL E(P) | 17 22 04.0 |
| SEP 27 | |
| BCN EP | 17 30 29.6 |
| ES | 30 50.8 |
| EUR IP | 17 30 40.9 |
| IS | 31 11.9 |
| SEP 27 | |
| COL IP | 18 02 49.2 |
| SEP 27 | |
| H-18 04 38.4 | |
| 45.6N 149.5E | |
| h ABOUT 080KM | |
| COL IP | 18 11 55.9 |
| EUR IP | 18 15 18.3 |
| IPP | 15 39.0 |
| ALQ E(P) | 18 16 11.0 |
| SEP 27 | |
| FGU E(P) | 20 08 12.7 |
| E(S) | 08 39.0 |
| SEP 27 | |
| ALQ IP | 20 59 36.0 |
| I | 21 00 15.3 |
| GCA E(P) | 20 59 58.5 |
| SEP 27 | |
| FGU IP | 21 42 33.6 |
| IS | 43 03.6 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 27 | |
| ALQ EP | 21 45 51.5 |
| SEP 27 | |
| FGU IP | 21 57 41.7 |
| IS | 58 05.6 |
| SEP 27 | |
| FGU IP | 22 18 18.0 |
| IS | 18 38.5 |
| SEP 27 | |
| H-22 20 06.6 | |
| 00.1S 018.4W | |
| h ABOUT 033KM | |
| ALQ EP | 22 32 58.0 |
| SEP 27 | |
| ALQ EP | 22 56 27.0 |
| SEP 27 | |
| GCA EP | 23 01 29.2 |
| ALQ EP | 23 01 51.5 |
| EUR E(P) | 23 01 52.3 |
| E(S) | 02 26.0 |
| SEP 27 | |
| BCN EP | 23 11 38.3 |
| ES | 11 50.0 |
| SEP 27 | |
| EUR E(P) | 23 13 20.4 |
| SEP 28 | |
| SLC IP | 00 11 32.3 |
| IS | 11 57.5 |
| FGU IP | 00 12 03.4 |
| EUR EP | 00 12 16.4 |
| EL | 12 56.9 |
| SEP 28 | |
| EUR E(P) | 01 29 52.1 |
| IL | 30 35.6 |
| SEP 28 | |
| EUR EP | 02 41 56.8 |
| SEP 28 | |
| H-03 01 11.6 | |
| 20.5S 174.3W | |
| h ABOUT 033KM | |
| EUR EP | 03 13 23.7 |
| ALQ EP | 03 13 44.0 |
| COL EP | 03 13 59.0 |
| SEP 28 | |
| COL EP | 03 23 40.0 |
| SEP 28 | |
| FGU E(P) | 03 47 50.2 |
| E(S) | 48 26.6 |
| SEP 28 | |
| H-05 25 03.2 | |
| 10.2N 086.0W | |
| h ABOUT 033KM | |

| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| ALQ | EP | 05 31 21.3 |
| FGU | EP | 05 32 11.8 |
| EUR | EP | 05 32 35.3 |
| SEP 28 | | |
| EUR | EP | 05 45 23.1 |
| SEP 28 | | |
| H-06 00 25.4 | | |
| 22.9N 094.5E | | |
| h ABOUT 108KM | | |
| COL | EP | 06 12 26.0 |
| ALQ | EP' | 06 19 04.0 |
| SEP 28 | | |
| H-06 58 12.7 | | |
| 31.5S 179.6E | | |
| h ABOUT 457KM | | |
| KIP | IP | 07 07 14.0 |
| | EpP | 08 50.0 |
| HON | IP | 07 07 14.0 |
| | ES | 14 40.0 |
| | E | 17 35.0 |
| BCN | IP | 07 10 29.3 |
| | EpP | 12 13.0 |
| EUR | EP | 07 10 34.8 |
| | EpP | 12 16.3 |
| | (PKKP) | 28 24.9 |
| GCA | EP | 07 10 42.3 |
| ALQ | EP | 07 10 50.5 |
| | EpP | 12 35.0 |
| FGU | EP | 07 10 57.0 |
| COL | EP | 07 11 04.0 |
| SEP 28 | | |
| COL | EP | 08 21 32.0 |
| SEP 28 | | |
| H-10 03 53.4 | | |
| 44.8N 129.9W | | |
| h ABOUT 033KM | | |
| EUR | EP | 10 06 41.4 |
| BCN | EP | 10 07 18.3 |
| RCD | E(P) | 10 08 21.7 |
| ALQ | E(P) | 10 08 33.0 |
| SEP 28 | | |
| H-11 04 13.6 | | |
| 39.3N 136.0E | | |
| h ABOUT 351KM | | |
| COL | EP | 11 12 33.0 |
| EUR | EP | 11 15 33.2 |
| SEP 28 | | |
| H-11 06 00.4 | | |
| 18.1S 177.9W | | |
| h ABOUT 604KM | | |
| EUR | EP | 11 17 16.5 |
| ALQ | E(P) | 11 17 38.5 |
| SEP 28 | | |
| COL | IP | 13 37 09.7 |
| SEP 28 | | |
| EUR | E(P) | 13 43 57.3 |
| | IL | 44 34.0 |
| SEP 28 | | |
| H-14 03 53.8 | | |
| 59.6N 156.2W | | |
| h ABOUT 033KM | | |
| COL | IP | 14 05 31.8 |
| EUR | E(P) | 14 10 21.7 |
| SEP 28 | | |
| BCN | IP | 17 18 48.8 |
| EUR | E(P) | 17 19 38.6 |
| | EL | 20 26.6 |
| SEP 28 | | |
| H-18 42 25.2 | | |
| 03.5S 102.0E | | |
| h ABOUT 029KM | | |
| HHM | EP' | 19 01 25.6 |
| EUR | EP' | 19 01 36.1 |
| | E | 04 53.6 |
| | ESKP | 05 07.9 |
| ALQ | EP' | 19 01 46.0 |
| SEP 28 | | |
| BCN | E(P) | 19 05 29.2 |
| SEP 28 | | |
| H-19 08 02.7 | | |
| 43.3N 111.3W | | |
| h ABOUT 033KM | | |
| SLC | EP | 19 08 45.1 |
| | E(S) | 09 16.1 |
| FGU | IP | 19 08 47.1 |
| | IS | 09 22.1 |
| BUT | E(P) | 19 08 52.4 |
| | IS | 09 30.5 |
| EUR | EP | 19 09 19.9 |
| | EL | 10 32.0 |
| HHM | EP | 19 09 23.6 |
| | EL | 10 33.6 |
| SEP 28 | | |
| FGU | IP | 19 45 00.6 |
| | IS | 45 34.1 |
| EUR | E(P) | 19 45 34.6 |
| | EL | 46 57.0 |
| SEP 28 | | |
| ALQ | E(P) | 22 01 23.0 |
| GCA | EP | 22 01 31.5 |
| | ES | 02 03.0 |
| SEP 28 | | |
| COL | EP | 22 50 36.0 |
| SEP 28 | | |
| SLC | E(P) | 23 06 04.5 |
| | ES | 06 48.0 |
| SEP 28 | | |
| H-23 11 01.2 | | |
| 13.4S 166.3E | | |
| h ABOUT 053KM | | |
| COL | EP | 23 23 33.0 |
| SEP 28 | | |
| FGU | EP | 23 31 26.8 |
| | IS | 32 04.3 |
| EUR | E(P) | 23 31 57.2 |
| | EL | 32 11.0 |
| SEP 28 | | |
| BUT | EP | 23 49 37.4 |
| | ES | 50 10.4 |
| EUR | EP | 23 50 14.7 |
| | EL | 51 20.7 |
| SEP 29 | | |
| H-00 00 33.7 | | |
| 28.3N 112.0W | | |
| h ABOUT 033KM | | |
| TUC | EP | 00 01 32.9 |
| ALQ | E(P) | 00 02 31.0 |
| | EL | 04 54.0 |
| BCN | E(P) | 00 02 40.0 |
| | EL | 04 53.0 |
| EUR | EP | 00 03 20.0 |
| | EL | 06 44.8 |
| SEP 29 | | |
| SIT | EP | 00 32 25.3 |
| SEP 29 | | |
| H-01 06 03.6 | | |
| 17.7S 179.0W | | |
| h ABOUT 649KM | | |
| EUR | EP | 01 17 17.8 |
| TUC | EP | 01 17 20.7 |
| SEP 29 | | |
| BCN | EP | 01 35 25.2 |
| SEP 29 | | |
| SIT | EP | 02 09 57.5 |
| SEP 29 | | |
| BOZ | EP | 02 21 32.0 |
| SEP 29 | | |
| BCN | EP | 02 50 32.2 |
| EUR | EP | 02 50 34.8 |
| TUC | EP | 02 50 35.5 |
| FGU | E(P) | 02 50 56.1 |
| SEP 29 | | |
| H-02 55 04.6 | | |
| 62.0S 163.5E | | |
| h ABOUT 033KM | | |
| HON | E | 03 20 02.0 |
| | E | 31 50.0 |
| | EL | 35 46.0 |
| SIT | EP' | 03 14 35.5 |
| SEP 29 | | |
| GUA | IP | 04 08 35.0 |
| | IS | 08 48.0 |
| SEP 29 | | |
| BOZ | EP | 04 54 29.0 |
| | E | 55 00.0 |
| FGU | E(P) | 04 54 41.0 |
| | ES | 55 17.0 |
| SEP 29 | | |
| BOZ | EP | 05 13 52.0 |
| SEP 29 | | |
| TUC | E(P) | 05 32 22.8 |
| | E | 33 18.5 |
| SEP 29 | | |
| H-05 58 23.7 | | |
| 43.4N 111.4W | | |
| h ABOUT 033KM | | |
| BOZ | IP | 05 59 00.0 |
| | IS | 59 29.0 |
| BUT | EP | 05 59 05.2 |
| | I | 59 10.2 |
| | IL | 59 46.2 |
| SLC | EP | 05 59 06.4 |
| | IL | 59 45.4 |
| FGU | EP | 05 59 09.4 |
| | I | 59 12.4 |
| | IL | 59 48.4 |
| EUR | EP | 05 59 41.0 |
| | EL | 06 00 49.0 |
| SEP 29 | | |
| H-06 05 32.5 | | |
| 43.3N 111.4W | | |
| h ABOUT 033KM | | |
| BOZ | IP | 06 06 09.2 |
| | IS | 06 39.0 |
| SLC | E(P) | 06 06 11.4 |
| | I | 06 17.9 |
| | IL | 07 07.0 |
| BUT | EP | 06 06 17.2 |
| | IS | 07 51.0 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| FGU EP | 06 06 17.3 |
| I | 06 20.1 |
| IS | 06 53.8 |
| EUR EP | 06 06 50.5 |
| ES | 07 43.5 |
| TUC E(P) | 06 08 19.1 |
| SEP 29 | |
| ALQ EP | 06 14 17.3 |
| SEP 29 | |
| BOZ IP | 06 55 16.0 |
| ES | 55 47.0 |
| FGU EP | 06 55 27.3 |
| ES | 56 02.3 |
| SEP 29 | |
| TUC EP | 07 48 14.2 |
| COL EP | 07 50 32.0 |
| SEP 29 | |
| COL EP | 09 49 11.0 |
| FGU EP | 09 55 06.1 |
| IS | 55 52.6 |
| GCA EP | 09 55 19.1 |
| SEP 29 | |
| TUC E(P) | 10 13 10.9 |
| SEP 29 | |
| H-10 39 58.4 | |
| 36.4N 070.4E | |
| h ABOUT 214KM | |
| COL EP | 10 51 15.0 |
| SEP 29 | |
| ALQ E(P) | 10 56 30.0 |
| SEP 29 | |
| H-11 24 00.2 | |
| 19.3S 177.9W | |
| h ABOUT 205KM | |
| COL EP | 11 36 22.0 |
| SEP 29 | |
| H-13 35 45.3 | |
| 36.6N 029.2E | |
| h ABOUT 033KM | |
| COL EP | 13 47 46.0 |
| TUC E(P) | 13 49 33.0 |
| SEP 29 | |
| FGU IP | 13 37 03.8 |
| IS | 37 35.8 |
| BUT EP | 13 37 08.1 |
| ES | 37 45.1 |
| SLC E(P) | 13 37 09.5 |
| ES | 37 51.5 |
| EUR EP | 13 37 47.2 |
| EL | 39 24.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 29 | |
| H-15 31 31.4 | |
| 36.1N 072.0E | |
| h ABOUT 150KM | |
| COL EP | 15 42 55.0 |
| SEP 29 | |
| EUR IP | 16 12 58.8 |
| SEP 29 | |
| BOZ IP | 16 25 02.0 |
| ES | 25 33.0 |
| SEP 29 | |
| COL EP | 16 57 03.0 |
| SEP 29 | |
| EUR E(P) | 17 59 19.6 |
| SEP 29 | |
| EUR IP | 18 41 04.0 |
| IS | 41 12.3 |
| BUT EP | 18 41 27.0 |
| ES | 41 57.0 |
| BOZ EP | 18 41 32.0 |
| I(S) | 41 55.0 |
| FGU EP | 18 42 04.7 |
| SEP 29 | |
| H-19 35 01.6 | |
| 6.0N 125.3E | |
| h ABOUT 117KM | |
| HON E(S) | 19 56 17.0 |
| E | 56 52.0 |
| EL | 20 09 30.0 |
| COL IP | 19 47 17.1 |
| EUR EP' | 19 53 25.0 |
| E | 56 46.3 |
| ALQ EP' | 19 53 36.0 |
| TUC EP' | 19 53 36.7 |
| SJP EP' | 19 54 49.0 |
| I(P') | 55 01.2 |
| I | 55 22.5 |
| SEP 29 | |
| GCA EP | 20 18 34.9 |
| ES | 19 07.9 |
| FGU IP | 20 18 37.2 |
| IS | 19 11.2 |
| EUR IP | 20 18 40.8 |
| IS | 19 17.8 |
| IL | 19 21.8 |
| SEP 29 | |
| H-20 31 10.1 | |
| 21.6N 142.9E | |
| h ABOUT 325KM | |
| GUA IP | 20 33 07.5 |
| COL IP | 20 40 56.9 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| BUT IP | 20 43 07.0 |
| E(pP) | 44 19.0 |
| EUR IP | 20 43 09.9 |
| EpP | 44 27.7 |
| BOZ EP | 20 43 11.0 |
| BCN EP | 20 43 21.9 |
| FGU IP | 20 43 28.7 |
| TUC IP | 20 43 42.7 |
| ALQ EP | 20 43 51.3 |
| E | 49 23.7 |
| SEP 29 | |
| BOZ EP | 21 15 11.0 |
| IS | 15 46.0 |
| SEP 29 | |
| ALQ EP | 21 34 23.3 |
| SEP 29 | |
| H-21 58 22.8 | |
| 6.9N 073.0W | |
| h ABOUT 157KM | |
| EUR EP | 22 07 05.9 |
| SEP 29 | |
| EUR EP | 21 58 27.6 |
| ALQ E(P) | 21 58 35.0 |
| SEP 29 | |
| H-22 16 38.6 | |
| 36.1N 018.0E | |
| h ABOUT 047KM | |
| SJP IP | 22 28 14.0 |
| IpP | 28 24.0 |
| I(sP) | 28 31.4 |
| CSC IP | 22 28 30.0 |
| COL IP | 22 28 37.7 |
| RCD EP | 22 29 05.6 |
| BOZ IP | 22 29 20.0 |
| BUT IP | 22 29 20.2 |
| FGU IP | 22 29 32.2 |
| SLC IP | 22 29 37.7 |
| ALQ EP | 22 29 46.3 |
| EUR EP | 22 29 50.8 |
| EPP | 33 49.5 |
| EPKKP | 46 54.5 |
| GCA E(P) | 22 29 51.1 |
| BCN EP | 22 30 02.6 |
| TUC IP | 22 30 06.4 |
| IpP | 30 17.8 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| SEP 29 | |
| BUT EP | 22 24 26.2 |
| ES | 24 55.2 |
| BOZ EP | 22 24 32.0 |
| IS | 25 06.0 |
| EUR EP | 22 25 04.6 |
| EL | 26 06.1 |
| SEP 29 | |
| SLC E(P) | 22 37 35.7 |
| IS | 38 14.2 |
| SEP 29 | |
| H-22 44 02.9 | |
| 14.4N 091.9W | |
| h ABOUT 061KM | |
| BHP I | 22 47 07.0 |
| CSC IP | 22 48 55.0 |
| ES | 52 36.0 |
| ALQ IP | 22 49 17.7 |
| TUC EP | 22 49 21.1 |
| EL | 53 59.2 |
| GCA E(P) | 22 49 56.3 |
| BCN IP | 22 50 06.4 |
| EPCP | 52 53.2 |
| ESCS | 23 00 24.4 |
| FGU IP | 22 50 13.0 |
| RCD EP | 22 50 18.2 |
| SLC IP | 22 50 22.2 |
| EUR IP | 22 50 32.6 |
| E | 50 46.5 |
| EPP | 51 49.5 |
| EPCP | 53 17.5 |
| ES | 55 53.5 |
| E(SCP) | 57 07.5 |
| BOZ EP | 22 50 54.0 |
| BUT IP | 22 51 00.3 |
| E(PP) | 52 44.3 |
| COL IP | 22 54 24.1 |
| HON E | 23 03 06.0 |
| E | 10 25.0 |
| EL | 13 08.0 |
| SEP 29 | |
| COL EP | 22 45 32.0 |
| SJP E(P) | 22 50 02.5 |
| SEP 29 | |
| BOZ EP | 23 05 14.0 |
| ES | 05 49.0 |
| EUR EP | 23 09 11.2 |
| SEP 29 | |
| H-23 05 22.5 | |
| 14.3N 092.0W | |
| h ABOUT 033KM | |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| ALQ | EP | 23 10 39.0 |
| | EPP | 11 08.5 |
| TUC | EP | 23 10 44.4 |
| FGU | I(P) | 23 11 35.4 |
| | I | 12 04.0 |
| EUR | EP | 23 11 54.9 |
| | I | 12 31.0 |
| COL | IP | 23 15 45.0 |
| SEP 29 | | |
| H-23 08 20.8 | | |
| 14.5N 092.0W | | |
| h ABOUT 042KM | | |
| ALQ | EP | 23 13 35.5 |
| TUC | EP | 23 13 40.7 |
| FGU | IP | 23 14 31.5 |
| EUR | EP | 23 14 51.0 |
| SEP 30 | | |
| BHP | IP | 01 48 40.0 |
| | S | 49 09.0 |
| SEP 30 | | |
| H-03 05 38.1 | | |
| 14.1N 091.9W | | |
| h ABOUT 086KM | | |
| ALQ | EP | 03 10 52.3 |
| BCN | EP | 03 11 41.1 |
| FGU | IP | 03 11 48.4 |
| EUR | EP | 03 12 07.6 |
| | E(sP) | 12 36.6 |
| | EPP | 13 24.6 |
| BUT | EP | 03 12 34.5 |
| COL | IP | 03 15 58.6 |
| SEP 30 | | |
| H-03 46 51.3 | | |
| 7.3N 076.9W | | |
| h ABOUT 033KM | | |
| BHP | IP | 03 47 38.0 |
| | L | 48 30.0 |
| SJP | EP | 03 50 23.3 |
| | ES | 05 53 10.2 |
| ALQ | EP | 03 54 14.0 |
| RCD | EP | 03 54 51.1 |
| GCA | I(P) | 03 54 53.3 |
| FGU | IP | 03 55 00.6 |
| BCN | EP | 03 55 05.1 |
| SLC | EP | 03 55 10.8 |

| Date and Station | Phase | (GCT) |
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| | | h m s |
| EUR | IP | 03 55 24.6 |
| | I | 55 51.6 |
| | EPCP | 56 51.6 |
| BOZ | IP | 03 55 33.2 |
| BUT | EP | 03 55 39.0 |
| | EPCP | 57 00.5 |
| HHM | EP | 03 55 56.0 |
| COL | IP | 03 58 31.6 |
| SEP 30 | | |
| GUA | E(P) | 04 28 54.0 |
| SEP 30 | | |
| H-06 35 44.3 | | |
| 28.2N 111.3W | | |
| h ABOUT 033KM | | |
| TUC | EP | 06 36 46.0 |
| | EL | 38 04.6 |
| ALQ | E(P) | 06 37 45.0 |
| | EL | 40 03.0 |
| BCN | EP | 06 37 45.6 |
| | EL | 40 15.6 |
| EUR | E(P) | 06 38 34.2 |
| | EL | 42 02.0 |
| SEP 30 | | |
| GCA | IP | 06 42 42.4 |
| SEP 30 | | |
| FGU | E(P) | 06 48 06.6 |
| | ES | 48 40.3 |
| SEP 30 | | |
| GUA | E(P) | 07 07 00.5 |
| SEP 30 | | |
| GCA | E(P) | 08 15 18.6 |
| | E(S) | 15 32.9 |
| SEP 30 | | |
| HHM | EP | 08 31 52.8 |
| EUR | EP | 08 32 25.2 |
| SEP 30 | | |
| H-08 54 15.0 | | |
| 01.3S 128.5E | | |
| h ABOUT 030KM | | |
| GUA | EP | 08 59 05.0 |
| | E(PP) | 59 19.0 |
| COL | EP | 09 07 05.0 |
| SEP 30 | | |
| BOZ | EP | 08 58 52.0 |
| | ES | 59 21.0 |
| SEP 30 | | |
| FGU | E(P) | 08 59 31.7 |
| | ES | 09 00 09.2 |
| SEP 30 | | |
| H-09 17 40.3 | | |
| 38.0N 111.0W | | |
| h ABOUT 015KM | | |

| Date and Station | Phase | (GCT) |
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| GCA | IP | 09 18 00.1 |
| SLC | EP | 09 18 25.0 |
| | I | 18 30.0 |
| | I(S) | 19 03.8 |
| | IL | 19 49.5 |
| FGU | IP | 09 18 31.4 |
| BCN | IP | 09 18 36.6 |
| | I(S) | 19 18.8 |
| | IL | 19 28.6 |
| EUR | EP | 09 18 43.7 |
| | IL | 19 41.0 |
| ALQ | IP | 09 18 53.0 |
| TUC | EP | 09 19 05.8 |
| BOZ | EP | 09 19 33.0 |
| BUT | EP | 09 19 40.8 |
| HHM | EP | 09 20 13.0 |
| COL | IP | 09 24 27.9 |
| SEP 30 | | |
| GCA | IP | 09 26 56.1 |
| | IS | 27 10.6 |
| BCN | EP | 09 27 41.0 |
| | EL | 28 28.0 |
| SEP 30 | | |
| H-09 42 28.1 | | |
| 14.7S 177.5W | | |
| h ABOUT 362KM | | |
| EUR | EP | 09 53 52.2 |
| COL | IP | 09 54 11.4 |
| SEP 30 | | |
| FGU | IP | 10 42 04.0 |
| | IS | 43 29.5 |
| SEP 30 | | |
| GCA | E(P) | 10 43 21.6 |
| | I | 43 24.9 |
| | ES | 44 01.4 |
| EUR | E(P) | 10 43 47.9 |
| ALQ | E(P) | 10 44 17.0 |
| SEP 30 | | |
| TUC | E(P) | 10 44 41.3 |
| SEP 30 | | |
| COL | EP | 11 59 42.0 |
| SEP 30 | | |
| H-12 36 25.4 | | |
| 52.6N 169.5W | | |
| h ABOUT 033KM | | |
| COL | EP | 12 40 17.0 |
| HHM | EP | 12 43 14.9 |
| EUR | EP | 12 43 47.1 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| TUC | E(P) | 12 44 49.7 |
| | I | 45 09.4 |
| SEP 30 | | |
| BUT | EP | 12 56 46.9 |
| | ES | 57 15.0 |
| SEP 30 | | |
| EUR | EP | 14 18 55.9 |
| SEP 30 | | |
| FGU | EP | 15 14 50.1 |
| | ES | 15 24.1 |
| SEP 30 | | |
| FGU | IP | 15 16 54.6 |
| SEP 30 | | |
| BOZ | EP | 15 29 38.2 |
| | E(S) | 30 07.0 |
| SEP 30 | | |
| EUR | EP | 16 52 17.4 |
| SEP 30 | | |
| COL | EP | 17 25 30.0 |
| SEP 30 | | |
| ALQ | IP | 17 49 47.0 |
| SEP 30 | | |
| SLC | IP | 18 09 42.2 |
| | IS | 10 07.2 |
| FGU | EP | 18 10 13.2 |
| | I | 10 14.4 |
| | ES | 10 42.0 |
| EUR | EP | 18 10 25.7 |
| | E(S) | 11 05.2 |
| GCA | EP | 18 10 41.0 |
| SEP 30 | | |
| COL | EP | 18 27 32.0 |
| SEP 30 | | |
| FGU | EP | 20 28 51.7 |
| | I | 28 54.0 |
| | E(S) | 29 17.2 |
| GCA | IP | 20 29 11.4 |
| SEP 30 | | |
| EUR | EP | 21 59 46.5 |
| SEP 30 | | |
| FGU | EP | 22 10 57.3 |
| | ES | 11 25.1 |
| SEP 30 | | |
| EUR | EP | 22 29 36.0 |
| SEP 30 | | |
| HHM | EP | 22 48 55.0 |
| | ES | 49 30.0 |
| BCN | EP | 22 50 11.0 |
| | EL | 50 47.0 |
| SEP 30 | | |
| FGU | EP | 22 55 18.4 |
| | IS | 55 40.1 |

| Date and Station | Phase (GCT) | Date and Station | Phase (GCT) | Date and Station | Phase (GCT) | Date and Station | Phase (GCT) |
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| SEP 30 | | | | | | | |
| FGU EP | 23 16 16.5 | | | | | | |