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# SEISMOLOGICAL BULLETIN

August, 1960

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COAST & GEODETIC SURVEY
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U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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# National Oceanic and Atmospheric Administration

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Beginning with the August 1960 Bulletin, all coordinates of epicenters, origin times, and focal depths have been calculated with the use of an electronic computer. The order of accuracy is approximately the same as that published on the Preliminary Determination of Epicenter Cards.

1960

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

**Balboa Heights, C. Z. (BHP)
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. (CHI)
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)
Honolulu, Hawaii (HON)
*Hungry Horse, Mont. (HHM)
Bureau of Reclamation
Kipapa, Hawaii (KIP)
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHI)
The Franklin Institute
**Rapid City, S. D. (RCD)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJP)
Sitka, Alaska (SIT)
*Thule, Greenland (THU)
U. S. Army Ionosphere Station
Tucson, Ariz. (TUC)
Tucson, Ariz. Telemeter (TUT)
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.

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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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

All magnitude determinations are by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the bulletin.

One asterisk (*) following an origin time indicates probable error of one-tenth minute. Two asterisks (**) following an origin time indicates error of one-quarter minute. All origin times and locations are determined from P data only. For Pasadena epicenters the time is given in one-tenth minute.

All seismograms are on file in the Coast and Geodetic Survey, except those from Balboa Heights, which may be obtained on loan by addressing the Seismograph Station Director, Meteorological and Hydrographic Office, Panama Canal Company, Balboa Heights, Canal Zone.

| Date 1960 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Aug. | h m s | ° | ° | |
| 1 | 02 20 50.3 | 28.0 N. | 54.3 E. | Southern Iran. h about 67 km. |
| 1 | 06 55 17.9 | 8.9 S. | 129.4 E. | Arafura Sea. h about 305 km. |
| 1 | 09 51 14.1 | 5.4 S. | 131.0 E. | Banda Sea. h about 88 km. |
| 1 | 12 40 22.4 | 40.2 N. | 142.2 E. | Near east coast of northern Honshu, Japan. Felt. h about 68 km. |
| 1 | 15 17 02.4 | 4.0 N. | 97.3 E. | Near coast of Sumatra. h about 69 km. |
| 1 | 16 28 58.1 | 4.8 S. | 152.3 E. | New Britain region. Felt at Rabaul. h about 76 km. |
| 1 | 20 12 27.3 | 38.0 S. | 73.9 W. | Near coast of Chile. h about 25 km. |
| 1 | 20 17 08.1 | 26.1 N. | 139.8 E. | Bonin Islands region. h about 203 km. |
| 1 | 21 29 00.8 | 9.2 S. | 123.6 E. | Timor Island. h about 117 km. |
| 1 | 21 56 33.6 | 28.2 N. | 142.5 E. | Bonin Islands region. h about 108 km. |
| 1 | 22 31 34.1 | 15.0 S. | 173.6 W. | Samoa Islands region. h about 49 km. |
| 2 | 05 07 24.5 | 22.2 S. | 171.4 E. | Loyalty Islands region. h about 104 km. Mag. 6½. |
| 2 | 06 14 48.3 | 51.7 N. | 178.4 W. | Andreanof Islands, Aleutian Islands. Felt on Adak. h about 24 km. |
| 2 | 09 30 36.5 | 28.5 S. | 177.0 W. | Kermadec Islands. h about 124 km. |
| 2 | 10 06 29.6 | 28.6 S. | 177.0 W. | Kermadec Islands. h about 120 km. |
| 2 | 13 31 38.6 | 19.1 S. | 169.9 E. | Loyalty Islands region. h about 272 km. |
| 2 | 13 42 25.5 | 4.4 S. | 105.1 W. | Southwest of Galapagos Islands. h about 64 km. |
| 2 | 20 51 01.9 | 84.5 N. | 2.0 E. | North Polar region. h about 26 km. |
| 3 | 01 13 39.4 | 40.5 S. | 72.3 W. | Southern Chile. h about 56 km. |
| 3 | 05 43 39.8 | 20.3 S. | 179.2 W. | Fiji Islands. h about 667 km. |
| 3 | 07 02 25.6 | 27.3 N. | 66.5 E. | West Pakistan. h about 32 km. |
| 3 | 19 08 03.6 | 39.0 S. | 75.5 W. | Off coast of Chile. h about 25 km. |
| 3 | 21 48 46.7 | 12.6 N. | 95.2 E. | Andaman Island region. h about 62 km. |
| 4 | 07 34 48.5 | 51.2 N. | 179.0 E. | Rat Islands, Aleutian Islands. Felt on Adak. h about 20 km. Mag. 6-6½. |
| 4 | 09 08 37.6 | 51.3 N. | 179.4 E. | Rat Islands, Aleutian Islands. h about 75 km. |
| 4 | 11 15 52.4 | 39.0 S. | 73.9 W. | Near coast of Chile. h about 44 km. |
| 4 | 12 57 27.3 | 21.0 S. | 178.9 W. | Fiji Islands. h about 602 km. |
| 4 | 14 05 28.7 | 51.4 N. | 178.9 E. | Rat Islands, Aleutian Islands. h about 34 km. |
| 5 | 08 45 31.1 | 50.7 N. | 130.3 W. | Queen Charlotte Islands region. h about 25 km. |
| 5 | 14 37 57.0 | 20.8 S. | 169.4 E. | Loyalty Islands region. h about 37 km. |
| 5 | 16 06 36.1 | 50.2 N. | 157.0 E. | Near south coast of Kamchatka. h about 48 km. |
| 5 | 16 26 23.5 | 9.5 S. | 118.8 E. | Soemba Island. h about 64 km. |
| 5 | 22 27 39.7 | 51.2 N. | 178.7 E. | Rat Islands, Aleutian Islands. h about 46 km. |
| 6 | 03 05 56.1 | 28.1 N. | 139.1 E. | Bonin Islands region. h about 536 km. |
| 6 | 13 55 10.1 | 32.5 S. | 179.5 E. | Kermadec Islands region. h about 393 km. |
| 6 | 14 49 52.8 | 42.6 S. | 75.7 W. | Off Coast of Chile. h about 78 km. |
| 6 | 17 33 50.9 | 42.5 S. | 75.6 W. | Off coast of Chile. h about 66 km. |

| Date 1960 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Aug. | h m s | ° | ° | |
| 7 | 03 18 37.3 | 40.9 N. | 143.5 E. | Off east coast of northern Honshu, Japan. h about 60 km. |
| 7 | 10 03 26.5 | 51.1 N. | 178.9 E. | Rat Islands, Aleutian Islands. h about 53 km. |
| 7 | 12 27 47.2 | 7.0 S. | 129.4 E. | Banda Sea. h about 153 km. |
| 7 | 16 27 16.2 | 42.4 N. | 111.5 W. | Idaho. Felt at Bancroft, Soda Springs, Montpelier. h about 49 km. |
| 7 | 19 20 15.1 | 42.5 N. | 111.4 W. | Idaho. Felt at Bancroft, Soda Springs, Montpelier. h about 31 km. |
| 7 | 22 26 05.7 | 51.1 N. | 178.9 E. | Rat Islands, Aleutian Islands. h about 36 km. |
| 8 | 01 01 17.1 | 44.8 N. | 111.7 W. | Yellowstone Park, Montana. h about 38 km. |
| 8 | 01 19 20.0 | 56.0 N. | 166.1 E. | Komandorskie Islands. h about 29 km. |
| 8 | 12 28 08.5 | 12.1 N. | 44.6 E. | Gulf of Aden. h about 15 km. |
| 8 | 15 34 26.4 | 2.1 S. | 12.6 W. | North of Ascension Island. h about 37 km. |
| 8 | 20 36 19.0 | 35.6 N. | 27.7 E. | Dodecanese Islands. h about 30 km. |
| 9 | 04 07 15.3 | 27.9 S. | 67.0 W. | Catamarca Province, Argentina. h about 161 km. |
| 9 | 06 10 04.6 | 21.5 S. | 71.7 W. | Off coast of northern Chile. h about 31 km. |
| 9 | 06 21 52.1 | 56.2 N. | 164.3 E. | Off east coast of Kamchatka. h about 32 km. |
| 9 | 06 58 08.6 | 56.2 N. | 164.1 E. | Off east coast of Kamchatka. h about 41 km. |
| 9 | 07 39 19.0 | 40.4 N. | 126.8 W. | Off coast of northern California. Felt at Eureka. h about 17 km. Mag. 6 (Berk). |
| 9 | 14 02 33.3 | 47.7 N. | 143.7 E. | Sakhalin Island. h about 35 km. |
| 9 | 16 46 33.5 | 24.6 S. | 177.3 W. | Tonga Islands region. h about 121 km. Mag. 6-6½. |
| 9 | 22 01 33.0 | 38.6 N. | 41.1 E. | Turkey. h about 66 km. |
| 9 | 23 36 50.3 | 11.6 S. | 166.1 E. | Santa Cruz Islands region. h about 35 km. |
| 10 | 06 20 01.9 | 44.9 N. | 111.1 W. | Yellowstone Park, Montana. h about 18 km. |
| 10 | 07 41 35.3 | 42.5 N. | 111.5 W. | Idaho. h about 18 km. |
| 10 | 09 31 16.2 | 23.5 S. | 64.7 W. | Jujuy Province, Argentina. h about 183 km. |
| 10 | 10 25 01.6 | 9.5 S. | 119.0 E. | Soemba Island. h about 138 km. |
| 10 | 12 38 52.8 | 9.1 N. | 83.3 W. | Near coast of Costa Rica. h about 76 km. |
| 11 | 02 29 22.3 | 45.7 N. | 152.5 E. | Kurile Islands. h about 38 km. |
| 11 | 02 36 58.0 | 52.3 N. | 176.1 W. | Andreanof Islands, Aleutian Islands. h about 126 km. |
| 11 | 02 53 21.1 | 0.1 N. | 121.4 E. | Celebes. h about 65 km. |
| 11 | 04 50 33.0 | 9.0 N. | 126.3 E. | Near coast of Mindanao, Philippine Islands. h about 66 km. |
| 11 | 05 49 33.2 | 6.7 N. | 73.3 W. | Colombia. h about 168 km. |
| 11 | 06 22 53.5 | 40.3 N. | 142.6 E. | Near east coast of northern Honshu, Japan. Felt. h about 45 km. |
| 11 | 21 42 14.9 | 20.6 S. | 173.6 W. | Tonga Islands. h about 25 km. |
| 12 | 13 12 34.1 | 36.3 N. | 141.3 E. | Near east coast of Honshu, Japan. Felt. h about 61 km. |
| 12 | 16 25 19.9 | 50.6 N. | 129.6 W. | Near coast of Vancouver Island. h about 25 km. |
| 12 | 23 22 22.3 | 6.4 S. | 129.9 E. | Banda Sea. h about 97 km. |
| 13 | 04 15 13.8 | 46.5 S. | 96.1 E. | Indian Ocean, east of Kerguelen Islands. h about 52 km. |

| Date 1960 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Aug. 13 | h m s 07 11 06.9 | ° 40.4 N. | ° 142.4 E. | Near east coast of northern Honshu, Japan. Felt. h about 54 km. Mag. 6. |
| 13 | 14 14 56.6 | 40.0 S. | 74.9 W. | Near coast of Chile. Slight damage at Valdivia. h about 56 km. Mag. 6¾-7. |
| 13 | 17 12 49.0 | 18.2 N. | 102.9 W. | Near coast of Mexico. h about 64 km. |
| 13 | 22 28 24.6 | 15.8 N. | 40.2 E. | Near coast of Eritrea. h about 42 km. |
| 14 | 04 00 56.0 | 45.9 N. | 151.0 E. | Kurile Islands. h about 67 km. |
| 14 | 14 41 02.6 | 7.0 S. | 146.0 E. | New Guinea. h about 171 km. |
| 14 | 21 23 43.3 | 52.8 N. | 167.1 W. | Fox Islands, Aleutian Islands. h about 31 km. |
| 14 | 22 37 11.4 | 36.0 N. | 69.4 E. | Hindu Kush. h about 50 km. |
| 14 | 22 46 08.3 | 23.7 S. | 66.6 W. | Jujuy Province, Argentina. h about 226 km. |
| 15 | 05 35 24.1 | 56.2 N. | 164.1 E. | Komandorskie Islands. h about 34 km. |
| 15 | 05 55 52.4 | 45.2 N. | 148.9 E. | Kurile Islands. h about 72 km. |
| 15 | 06 58 56.4 | 13.5 S. | 65.8 E. | Indian Ocean. h about 15 km. |
| 15 | 14 33 38.4 | 13.4 S. | 66.7 E. | Indian Ocean. h about 25 km. |
| 15 | 19 13 57.3 | 17.0 N. | 93.9 W. | Southern Mexico. h about 122 km. |
| 15 | 23 17 14.3 | 6.9 N. | 73.1 W. | Colombia. Felt at Santa Rosa de Viterbo. h about 157 km. |
| 16 | 02 47 17.7 | 16.6 S. | 71.4 W. | Southern Peru. h about 110 km. |
| 16 | 08 13 37.7 | 6.4 S. | 147.6 E. | Near coast of New Guinea. h about 68 km. |
| 16 | 10 31 01.0 | 3.4 S. | 68.6 E. | Chagos Archipelago region. h about 41 km. |
| 16 | 22 27 49.9 | 7.6 S. | 128.8 E. | Timor Island region. h about 41 km. |
| 16 | 22 51 53.2 | 9.4 N. | 72.8 W. | Colombia-Venezuela border. h about 161 km. |
| 17 | 09 33 47.0 | 19.9 S. | 11.8 W. | South Atlantic Ocean. h about 64 km. |
| 17 | 10 22 07.8 | 42.3 N. | 142.4 E. | Near coast of Hokkaido, Japan. h about 84 km. |
| 17 | 11 24 04.7 | 19.5 S. | 11.5 W. | South Atlantic Ocean. h about 22 km. |
| 17 | 18 08 42.0 | 1.9 S. | 138.8 E. | Near north coast of New Guinea. h about 76 km. |
| 18 | 11 07 25.4 | 37.3 S. | 73.0 W. | Near coast of Chile. h about 41 km. |
| 18 | 20 47 06.2 | 44.2 N. | 147.8 E. | Kurile Islands. Felt on Hokkaido, Japan. h about 69 km. |
| 18 | 22 43 50.1 | 11.5 S. | 166.1 E. | Santa Cruz Islands. h about 76 km. |
| 18 | 23 36 13.7 | 40.0 N. | 20.3 E. | Greece-Albania border. Felt. h about 19 km. |
| 19 | 01 37 11.3 | 9.3 S. | 152.1 E. | D'Entrecasteaux Islands. h about 178 km. |
| 19 | 03 08 35.0 | 26.0 N. | 95.9 E. | Northern Burma. h about 70 km. |
| 19 | 04 07 07.5 | 40.9 N. | 127.2 W. | Off coast of northern California. h about 27 km. |
| 19 | 08 10 41.3 | 10.8 N. | 122.9 E. | Negros, Philippine Islands. h about 36 km. |
| 19 | 12 41 48.1 | 27.1 N. | 140.2 E. | Bonin Islands region. h about 431 km. |
| 19 | 17 03 46.6 | 54.1 N. | 160.5 E. | Near east coast of Kamchatka. h about 77 km. |
| 19 | 21 57 44.8 | 36.5 N. | 137.6 E. | Honshu, Japan. h about 234 km. |
| 20 | 00 19 35.2 | 14.5 N. | 91.5 W. | Guatemala. Felt in El Salvador. h about 115 km. Mag. 6. |
| 20 | 07 14 41.7 | 42.5 N. | 111.7 W. | Idaho. h about 30 km. |

| Date 1960 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Aug. | h m s | ° | ° | |
| 20 | 07 24 48.2 | 42.6 N. | 111.7 W. | Idaho. h about 32 km. |
| 20 | 08 01 54.3 | 42.3 N. | 111.3 W. | Idaho. Felt at Soda Springs. h about 41 km. |
| 20 | 10 11 40.9 | 42.5 N. | 111.6 W. | Idaho. Felt at Soda Springs. h about 51 km. |
| 20 | 10 13 14.9 | 42.6 N. | 111.4 W. | Idaho. h about 14 km. |
| 20 | 11 01 59.0 | 42.4 N. | 111.5 W. | Idaho. Felt at Soda Springs. h about 49 km. |
| 20 | 14 46 51.3 | 42.5 N. | 111.6 W. | Idaho. h about 29 km. |
| 20 | 20 08 41.2 | 35.7 S. | 15.4 W. | Tristan da Cunha region. h about 45 km. Mag. 6. |
| 20 | 21 19 52.7 | 35.3 S. | 15.7 W. | Tristan da Cunha region. h about 36 km. |
| 20 | 22 22 46.2 | 0.8 N. | 122.1 E. | Northern Celebes. h about 70 km. |
| 21 | 00 18 03.5 | 4.4 S. | 143.5 E. | Near north coast of New Guinea. h about 38 km. |
| 21 | 00 59 24.1 | 5.5 S. | 149.4 E. | New Britain. h about 137 km. |
| 21 | 03 29 04.9 | 27.0 N. | 88.5 E. | Nepal-India border. h about 29 km. |
| 21 | 03 55 36.7 | 7.9 N. | 82.6 W. | Near coast of Panama. h about 71 km. |
| 21 | 05 04 07.3 | 42.4 N. | 111.6 W. | Idaho. h about 25 km. |
| 21 | 12 49 34.9 | 5.2 N. | 125.3 E. | Near coast of Mindanao, Philippine Islands. Felt at Hinatuan, Davao. h about 165 km. |
| 21 | 17 05 13.9 | 7.5 N. | 127.6 E. | Off coast of Mindanao, Philippine Islands. h about 141 km. |
| 21 | 17 20 54.9 | 15.4 S. | 176.0 W. | Fiji Islands. h about 24 km. |
| 21 | 18 04 50.4 | 44.6 N. | 148.7 E. | Kurile Islands. h about 54 km. |
| 21 | 21 43 45.0 | 5.4 N. | 78.5 W. | South of Panama. h about 29 km. |
| 21 | 22 21 39.9 | 28.2 N. | 139.4 E. | Bonin Islands region. h about 406 km. |
| 22 | 07 49 27.7 | 17.9 N. | 61.5 W. | Leeward Islands. h about 91 km. |
| 22 | 13 42 28.9 | 39.2 N. | 41.1 E. | Turkey. h about 112 km. |
| 23 | 02 04 45.0 | 27.4 S. | 63.1 W. | Santiago Del Estero Province, Argentina. h about 568 km. |
| 23 | 07 54 39.8 | 13.7 N. | 92.2 W. | Near coast of Guatemala. h about 77 km. |
| 23 | 08 58 11.2 | 29.1 N. | 59.8 E. | Iran. h about 64 km. |
| 23 | 11 29 09.5 | 7.3 S. | 156.6 E. | Solomon Islands region. h about 71 km. |
| 23 | 13 08 23.1 | 20.8 S. | 177.9 W. | Fiji Islands. h about 452 km. |
| 23 | 14 08 15.5 | 0.9 N. | 25.9 W. | Atlantic Ocean. h about 24 km. |
| 23 | 22 44 51.5 | 14.6 S. | 176.4 W. | Fiji Islands region. h about 56 km. Mag. 6. |
| 24 | 01 44 12.5 | 56.2 N. | 164.1 E. | Off east coast of Kamchatka. h about 45 km. |
| 24 | 04 26 54.1 | 6.2 S. | 150.4 E. | New Britain region. h about 38 km. |
| 24 | 05 49 01.1 | 19.1 S. | 174.1 W. | Tonga Islands. h about 42 km. |
| 24 | 09 45 20.6 | 6.6 N. | 73.1 W. | Colombia. Felt at Santa Rosa de Viterbo. h about 158 km. |
| 24 | 12 55 45.8 | 40.5 N. | 142.4 E. | Off east coast of northern Honshu, Japan. h about 35 km. |
| 24 | 19 27 50.3 | 24.7 N. | 95.0 E. | Burma. h about 86 km. |
| 24 | 20 23 38.1 | 41.4 N. | 140.8 E. | Northern Honshu, Japan. h about 110 km. |
| 25 | 00 59 21.3 | 42.5 S. | 72.9 W. | Near coast of Chile. h about 75 km. |

| Date 1960 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth and Remarks |
|---|---|---|---|---|
| Aug. | h m s | ° | ° | |
| 25 | 12 03 19.2 | 18.1 S. | 69.4 W. | Chile-Bolivia border. h about 132 km. |
| 25 | 17 20 24.9 | 6.4 S. | 81.1 W. | Near north coast of Peru. h about 71 km. |
| 25 | 17 41 56.8 | 52.5 N. | 169.2 W. | Fox Islands, Aleutian Islands. h about 22 km. |
| 25 | 23 02 18.0 | 38.3 S. | 74.1 W. | Near coast of Chile. h about 20 km. |
| 26 | 00 14 05.8 | 38.0 S. | 74.3 W. | Near coast of Chile. h about 25 km. |
| 26 | 01 22 39.6 | 42.4 N. | 111.2 W. | Idaho. h about 32 km. |
| 26 | 04 41 54.3 | 56.4 N. | 163.9 E. | Off east coast of Kamchatka. h about 20 km. |
| 26 | 07 09 47.3 | 29.0 N. | 67.6 E. | West Pakistan. h about 64 km. |
| 26 | 09 45 32.6 | 34.7 N. | 70.8 E. | Afghanistan. h about 43 km. |
| 26 | 11 47 32.5 | 11.0 S. | 123.9 E. | Timor Island region. h about 71 km. |
| 26 | 16 00 26.7 | 1.7 S. | 101.7 W. | West of Galapagos Islands. h about 14 km. |
| 26 | 18 27 19.6 | 13.5 S. | 165.7 E. | New Hebrides Islands region. h about 53 km. |
| 26 | 20 44 05.2 | 13.3 S. | 166.2 E. | New Hebrides Islands region. h about 69 km. |
| 27 | 10 17 16.4 | 34.4 N. | 26.2 E. | Crete. h about 33 km. |
| 27 | 12 51 33.6 | 23.2 S. | 179.5 W. | South of Fiji Islands. h about 538 km. |
| 27 | 15 58 59.0 | 28.6 N. | 76.7 E. | India. 50 injured and minor property damage at New Delhi. h about 58 km. |
| 27 | 18 16 15.1 | 50.1 N. | 154.0 E. | Kurile Islands. h about 190 km. Mag. 6-6¼. |
| 27 | 19 25 14.9 | 5.9 S. | 147.1 E. | Near coast of New Guinea. h about 80 km. |
| 28 | 00 05 24.6 | 16.6 S. | 74.2 W. | Near coast of Peru. h about 46 km. |
| 28 | 00 23 41.7 | 23.3 S. | 176.5 W. | Tonga Islands region. h about 21 km. |
| 28 | 06 05 17.4 | 4.2 N. | 82.5 W. | South of Panama. h about 33 km. |
| 28 | 12 12 14.1 | 2.6 N. | 83.4 W. | South of Panama. h about 25 km. |
| 29 | 04 53 23.2 | 1.0 N. | 85.2 W. | Galapagos Islands region. h about 48 km. |
| 29 | 16 23 11.1 | 36.3 N. | 71.2 E. | Hindu Kush. h about 103 km. |
| 29 | 18 00 40.5 | 35.3 N. | 26.8 E. | Crete. h about 71 km. |
| 30 | 06 45 16.4 | 21.0 S. | 113.7 W. | South Pacific Ocean, about 500 miles NW of Easter Island. h about 40 km. |
| 30 | 08 48 29.3 | 54.9 N. | 163.0 E. | Komandorskie Islands. h about 36 km. |
| 30 | 10 11 30.6 | 3.6 S. | 134.2 E. | New Guinea. h about 57 km. |
| 30 | 11 26 52.0 | 7.2 N. | 72.9 W. | Colombia. h about 121 km. |
| 30 | 19 06 58.6 | 23.8 S. | 179.6 E. | South of Fiji Islands. h about 483 km. |
| 30 | 20 25 54.2 | 34.6 N. | 26.5 E. | Crete. h about 15 km. |
| 31 | 07 16 10.4 | 21.0 S. | 114.1 W. | South Pacific Ocean. h about 25 km. |
| 31 | 17 21 57.0 | 13.8 N. | 119.9 E. | Near coast of Mindoro, Philippine Islands. h about 24 km. |
| 31 | 22 11 51.2 | 39.2 N. | 36.4 E. | Turkey. h about 30 km. |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| Aug. 1 | | | |
| EUR | i(P) | | 01 09 44 |
| FGU | eP | | 01 09 07 |
| Aug. 1 | | | |
| COL | iP | | 02 33 24 |
| | ipP | | 34 02 |
| FGU | e(P) | | 02 38 47 |
| | eP' | | 39 06 |
| | ePKKP | | 49 52 |
| HHM | eP | | 02 34 47 |
| | e | | 38 06 |
| TUC | e(P') | | 02 39 38 |
| | ePP | | 40 47 |
| TUT | e(P') | | 02 40 45 |
| Aug. 1 | | | |
| FGU | eP | | 03 04 12 |
| | e | | 05 04 |
| Aug. 1 | | | |
| COL | iP | | 05 03 45 |
| | ipP | | 04 04 |
| Aug. 1 | | | |
| FGU | eP | | 06 26 37 |
| | e | | 28 48 |
| Aug. 1 | | | |
| HHM | eP | | 06 28 46 |
| | iL | | 29 57 |
| Aug. 1 | | | |
| GCA | e(P) | | 07 07 19 |
| Aug. 1 | | | |
| COL | e(P) | | 10 04 10 |
| Aug. 1 | | | |
| FGU | eP | | 10 09 21 |
| Aug. 1 | | | |
| BHP | iP | | 12 35 34 |
| | iS | | 35 59 |
| Aug. 1 | | | |
| COL | eP | | 12 48 40 |
| EUR | eP | | 12 51 51 |
| HHM | iP | | 12 51 23 |
| Aug. 1 | | | |
| EUR | eP' | | 15 36 03 |
| Aug. 1 | | | |
| COL | eP | | 16 41 11 |
| Aug. 1 | | | |
| EUR | e(P) | | 17 40 14 |
| Aug. 1 | | | |
| FGU | e(P) | | 18 37 36 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| Aug. 1 | | | |
| COL | iP | | 19 10 15 |
| Aug. 1 | | | |
| BCN | eP | | 19 40 28 |
| | eS | | 41 10 |
| | eL | | 41 35 |
| EUR | iP | | 19 41 05 |
| FGU | eP | | 19 41 28 |
| GCA | iP | | 19 40 52 |
| | i(S) | | 42 21 |
| TUC | e(P) | | 19 41 00 |
| | eL | | 42 04 |
| TUT | eP | | 19 40 41 |
| | i | | 41 01 |
| | eL | | 42 07 |
| Aug. 1 | | | |
| EUR | iP | | 20 25 10 |
| FGU | eP | | 20 25 03 |
| | i | | 29 35 |
| TUT | eP | | 20 24 27 |
| Aug. 1 | | | |
| COL | eP | | 20 26 50 |
| EUR | iP | | 20 29 16 |
| HHM | iP | | 20 29 02 |
| Aug. 1 | | | |
| FGU | e(P) | | 21 41 50 |
| Aug. 1 | | | |
| COL | eP | | 22 06 07 |
| EUR | eP | | 22 08 38 |
| FGU | eP | | 22 08 58 |
| HHM | eP | | 22 08 21 |
| RCD | e(P) | | 22 09 11 |
| | e | | 09 34 |
| Aug. 1 | | | |
| COL | eP | | 22 43 50 |
| EUR | e(P) | | 22 43 19 |
| Aug. 2 | | | |
| HHM | i(P) | | 01 40 54 |
| Aug. 2 | | | |
| FGU | eP | | 03 07 37 |
| Aug. 2 | | | |
| COL | e(P) | | 03 40 26 |
| Aug. 2 | | | |
| FGU | eP | | 04 11 37 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| Aug. 2 | | | |
| BCN | eP | | 05 20 18 |
| | epP | | 20 41 |
| | ePP | | 24 21 |
| BOZ | e(P) | | 05 20 48 |
| COL | iP | | 05 20 23 |
| | ipP | | 20 47 |
| | eS | | 31 24 |
| | iPS | | 32 45 |
| | i | | 33 07 |
| | e | | 36 39 |
| | eL | | 43 48 |
| EUR | iP | | 05 20 21 |
| | e(pP) | | 20 45 |
| | ePP | | 24 03 |
| | eS | | 31 14 |
| | ePKKP | | 37 43 |
| | eP'P' | | 45 48 |
| FGU | iP | | 05 20 44 |
| | ipP | | 21 08 |
| | i | | 26 22 |
| | iSKS | | 31 17 |
| | eS | | 32 06 |
| | ePKKP | | 37 28 |
| GCA | iP | | 05 20 31 |
| | ePP | | 24 19 |
| | eS | | 31 48 |
| GUA | iP | | 05 15 24 |
| | i | | 16 07 |
| | iPP | | 17 07 |
| HON | e(P) | | 05 16 46 |
| | eS | | 24 18 |
| | eL | | 30 07 |
| HHM | iP | | 05 20 43 |
| | e | | 23 15 |
| | ePP | | 24 39 |
| | iPKKP | | 37 27 |
| | eP'P' | | 45 44 |
| KIP | eP | | 05 16 30 |
| RCD | eP | | 05 21 20 |
| | ePP | | 25 19 |
| | ePKKP | | 37 35 |
| SJP | eP' | | 05 26 15 |
| SIT | eP | | 05 20 17 |
| | epP | | 20 41 |
| TUC | iP | | 05 19 49 |
| | e | | 20 19 |
| TUT | iP | | 05 19 49 |
| | i | | 20 24 |
| | ePKKP | | 37 41 |
| UKI | iP | | 05 19 57 |
| | i | | 20 21 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| Aug. 2 | | | |
| BCN | eP | | 06 23 20 |
| BOZ | eP | | 06 22 52 |
| BUT | eP | | 06 22 40 |
| COL | eP | | 06 19 25 |
| | i | | 19 30 |
| | i | | 19 40 |
| | eS | | 23 26 |
| | eL | | 26 50 |
| CSC | eP | | 06 25 49 |
| EUR | eP | | 06 22 57 |
| | ePcP | | 24 39 |
| FGU | iP | | 06 23 21 |
| | eScP | | 28 40 |
| GCA | eP | | 06 23 29 |
| HHM | iP | | 06 22 26 |
| | iPcP | | 24 29 |
| | iScP | | 28 12 |
| KIP | eP | | 06 21 32 |
| RCD | iP | | 06 23 34 |
| SIT | eP | | 06 20 30 |
| | e | | 20 47 |
| SJP | iP | | 06 27 41 |
| TUC | iP | | 06 23 57 |
| Aug. 2 | | | |
| FGU | eP | | 08 04 46 |
| Aug. 2 | | | |
| BCN | eP | | 09 43 09 |
| BUT | eP | | 09 43 42 |
| COL | iP | | 09 43 49 |
| | ipP | | 44 17 |
| | ePP | | 47 35 |
| EUR | iP | | 09 43 15 |
| | epP | | 43 46 |
| FGU | iP | | 09 43 38 |
| GCA | eP | | 09 43 22 |
| HHM | e(P) | | 09 43 34 |
| KIP | eP | | 09 39 40 |
| | i | | 39 51 |
| RCD | eP | | 09 44 04 |
| | i | | 44 15 |
| | ePKKP | | 10 01 01 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC | iP | 09 43 11 |
| | eL | 10 16 10 |
| TUT | iP | 09 43 11 |
| | i | 43 22 |
| | e | 44 26 |
| Aug. 2 | | |
| EUR | i(P) | 10 01 12 |
| FGU | eP | 10 00 58 |
| Aug. 2 | | |
| BCN | eP | 10 19 01 |
| COL | e(P) | 10 19 49 |
| EUR | iP | 10 19 09 |
| FGU | e(P) | 10 19 41 |
| GCA | eP | 10 19 19 |
| TUC | e(P) | 10 19 05 |
| | e | 19 09 |
| TUT | eP | 10 19 05 |
| | e | 19 09 |
| Aug. 2 | | |
| FGU | eP | 10 47 07 |
| Aug. 2 | | |
| EUR | iP | 10 50 52 |
| FGU | e(P) | 10 51 18 |
| TUC | eP | 10 50 48 |
| | e | 53 14 |
| TUT | eP | 10 50 49 |
| Aug. 2 | | |
| FGU | eP | 11 07 06 |
| Aug. 2 | | |
| COL | eP | 13 44 06 |
| EUR | iP | 13 44 12 |
| Aug. 2 | | |
| BCN | eP | 13 50 09 |
| BOZ | eP | 13 51 19 |
| COL | eP | 13 54 12 |
| EUR | iP | 13 50 38 |
| | ePP | 52 25 |
| FGU | iP | 13 50 42 |
| GCA | eP | 13 50 14 |
| HHM | iP | 13 51 31 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| RCD | eP | 13 51 06 |
| | e | 51 17 |
| TUC | e(P) | 13 49 39 |
| | eL | 14 00 30 |
| TUT | eP | 13 49 33 |
| Aug. 2 | | |
| FGU | iP | 16 32 12 |
| Aug. 2 | | |
| FGU | e(P) | 19 06 45 |
| Aug. 2 | | |
| RCD | eP | 20 25 03 |
| Aug. 2 | | |
| FGU | eP | 20 36 34 |
| Aug. 2 | | |
| BCN | eP | 21 00 51 |
| BUT | eP | 20 59 32 |
| COL | iP | 20 57 16 |
| FGU | iP | 21 00 10 |
| | iPcP | 02 23 |
| GCA | eP | 21 00 45 |
| HHM | iP | 20 59 15 |
| | ePcP | 21 01 01 |
| RCD | e(P) | 20 59 44 |
| | e | 59 46 |
| SJP | e(P) | 21 02 15 |
| TUC | e(P) | 21 01 14 |
| | e | 01 21 |
| TUT | iP | 21 01 14 |
| Aug. 2 | | |
| HHM | eP | 21 05 38 |
| Aug. 2 | | |
| BCN | eP | 22 42 20 |
| BUT | eP | 22 41 41 |
| FGU | eP | 22 39 13 |
| | i | 39 18 |
| | iL | 40 51 |
| HHM | iP | 22 42 58 |
| Aug. 2 | | |
| RCD | eP | 22 54 32 |
| BCN | e(P) | 22 52 06 |
| FGU | iP | 22 50 25 |
| Aug. 2 | | |
| FGU | eP | 22 56 22 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 3 | | |
| GCA | iP | 00 39 01 |
| Aug. 3 | | |
| COL | eP | 01 13 05 |
| Aug. 3 | | |
| BUT | eP | 01 26 48 |
| EUR | iP | 01 26 29 |
| FGU | iP | 01 26 24 |
| | i | 26 30 |
| | i | 27 41 |
| GCA | eP | 01 26 11 |
| HHM | iP | 01 27 00 |
| RCD | eP | 01 26 27 |
| | e | 27 44 |
| TUC | iP | 01 25 47 |
| TUT | iP | 01 25 47 |
| Aug. 3 | | |
| COL | eP | 02 31 23 |
| EUR | iP | 02 31 05 |
| FGU | e(P) | 02 31 30 |
| TUC | eP | 02 31 07 |
| TUT | eP | 02 31 07 |
| Aug. 3 | | |
| FGU | eP | 03 31 41 |
| | e | 32 37 |
| Aug. 3 | | |
| FGU | eP | 04 06 00 |
| Aug. 3 | | |
| GCA | iP | 04 11 32 |
| Aug. 3 | | |
| FGU | eP | 05 24 29 |
| Aug. 3 | | |
| FGU | eP | 05 55 30 |
| TUC | eP | 05 55 06 |
| TUT | iP | 05 55 07 |
| Aug. 3 | | |
| FGU | e(P) | 06 06 01 |
| | e | 09 08 |
| Aug. 3 | | |
| HHM | e(P) | 06 28 18 |
| Aug. 3 | | |
| COL | e(P) | 07 14 56 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 3 | | |
| COL | iP | 11 05 50 |
| Aug. 3 | | |
| COL | iP | 12 17 41 |
| Aug. 3 | | |
| FGU | e(P) | 12 26 44 |
| Aug. 3 | | |
| COL | iP | 13 16 30 |
| Aug. 3 | | |
| FGU | e(P) | 15 31 40 |
| Aug. 3 | | |
| FGU | e(P) | 15 54 36 |
| Aug. 3 | | |
| FGU | eP | 18 47 06 |
| Aug. 3 | | |
| EUR | iP | 19 20 47 |
| FGU | iP | 19 20 41 |
| HHM | iP | 19 21 19 |
| TUT | iP | 19 20 03 |
| Aug. 3 | | |
| BCN | eP | 19 44 24 |
| | e | 45 04 |
| Aug. 3 | | |
| FGU | e(P) | 20 38 29 |
| Aug. 3 | | |
| FGU | eP | 20 40 32 |
| | e | 41 29 |
| Aug. 3 | | |
| COL | i(P') | 22 08 31 |
| FGU | eP' | 22 07 36 |
| Aug. 4 | | |
| BCN | eP | 07 43 34 |
| | ePcP | 45 05 |
| | eS | 50 31 |
| BOZ | eP | 07 43 06 |
| BUT | eP | 07 42 58 |
| | eS | 49 30 |
| | eL | 52 54 |
| COL | iP | 07 39 42 |
| | iS | 43 42 |
| | iL | 44 02 |
| | eScS | 51 03 |
| CSC | eP | 07 46 00 |
| | eS | 55 10 |
| | eL | 08 04 20 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| FGU | eP | 07 43 35 |
| | i | 43 35 |
| | iScP | 48 51 |
| | iS | 50 39 |
| GCA | eP | 07 43 44 |
| | i | 43 50 |
| | eS | 51 02 |
| GUA | eP | 07 43 15 |
| | eS | 50 00 |
| | eL | 53 35 |
| HON | iP | 07 41 43 |
| | e | 42 27 |
| | eS | 47 15 |
| | eL | 49 35 |
| HHM | iP | 07 42 40 |
| | iPcP | 44 37 |
| | iScP | 48 22 |
| | eP'P' | 08 14 07 |
| KIP | iP | 07 41 41 |
| | eT | 08 17 53 |
| RCD | iP | 07 43 47 |
| | eScP | 49 00 |
| SLC | eP | 07 43 24 |
| | e | 44 15 |
| | eS | 50 18 |
| SJP | iP | 07 47 54 |
| SIT | eP | 07 40 35 |
| | iScP | 47 31 |
| | eL | 48 50 |
| TUC | iP | 07 44 11 |
| | iS | 51 04 |
| | e | 55 12 |
| | eL | 57 54 |
| TUT | iP | 07 44 11 |
| | ePP | 46 15 |
| | eP'P' | 08 14 11 |
| Aug. 4 | | |
| COL | iP | 08 12 26 |
| FGU | e(P) | 08 13 52 |
| Aug. 4 | | |
| BCN | eP | 09 17 16 |
| BOZ | eP | 09 16 47 |
| COL | iP | 09 13 26 |
| | i | 13 34 |
| FGU | eP | 09 17 14 |
| | i | 17 17 |
| | i | 17 47 |
| | i | 20 33 |
| | iScP | 22 32 |
| GCA | eP | 09 17 26 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HHM | eP | 09 16 20 |
| | iPcP | 18 18 |
| RCD | eP | 09 17 31 |
| SLC | eP | 09 17 07 |
| SJP | iP | 09 21 37 |
| TUC | iP | 09 17 53 |
| TUT | eP | 09 17 53 |
| | i | 18 02 |
| Aug. 4 | | |
| COL | eP | 10 57 34 |
| | e | 58 11 |
| Aug. 4 | | |
| BCN | eP | 11 28 19 |
| BUT | eP | 11 28 54 |
| FGU | iP | 11 28 29 |
| | i | 28 39 |
| | i | 31 52 |
| GCA | iP | 11 28 16 |
| HHM | iP | 11 29 06 |
| RCD | eP | 11 28 33 |
| SLC | eP | 11 28 30 |
| TUC | iP | 11 27 52 |
| TUT | iP | 11 27 52 |
| Aug. 4 | | |
| COL | iP | 13 09 17 |
| FGU | iP | 13 09 21 |
| TUC | e(P) | 13 08 57 |
| Aug. 4 | | |
| COL | iP | 13 32 32 |
| TUT | eP | 13 32 16 |
| Aug. 4 | | |
| BCN | eP | 14 14 13 |
| BOZ | eP | 14 13 43 |
| COL | eP | 14 10 19 |
| | i | 10 21 |
| FGU | iP | 14 13 43 |
| | eScP | 19 29 |
| GCA | eP | 14 14 22 |
| HHM | iP | 14 13 18 |
| | iPcP | 15 14 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| RCD | eP | 14 14 26 |
| | e | 14 54 |
| SLC | eP | 14 14 03 |
| SJP | eP | 14 18 28 |
| TUC | e(P) | 14 14 50 |
| TUT | iP | 14 14 49 |
| Aug. 4 | | |
| KIP | iP | 15 33 38 |
| | eS | 34 06 |
| | iL | 34 09 |
| Aug. 4 | | |
| COL | eP | 16 46 46 |
| HHM | eP | 16 49 40 |
| Aug. 4 | | |
| FGU | e(P) | 21 21 40 |
| Aug. 4 | | |
| COL | iP | 21 29 39 |
| HHM | e(P) | 21 32 25 |
| Aug. 5 | | |
| RCD | eP | 00 55 20 |
| Aug. 5 | | |
| EUR | e(P) | 01 21 09 |
| Aug. 5 | | |
| GCA | iP | 02 13 40 |
| | iL | 14 04 |
| FGU | e(P) | 02 15 03 |
| Aug. 5 | | |
| EUR | eP | 06 06 19 |
| FGU | eP | 06 05 54 |
| Aug. 5 | | |
| COL | iP | 07 36 10 |
| | iL | 36 20 |
| Aug. 5 | | |
| BCN | eP | 08 49 52 |
| BOZ | eP | 08 48 50 |
| BUT | eP | 08 48 29 |
| COL | e(P) | 08 49 30 |
| | e | 49 41 |
| FGU | eP | 08 49 38 |
| | i | 49 41 |
| | i | 49 54 |
| GCA | eP | 08 50 00 |
| HHM | eP | 08 48 10 |
| | eL | 51 02 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| RCD | eP | 08 50 03 |
| SLC | eP | 08 49 26 |
| TUC | iP | 08 50 44 |
| TUT | iP | 08 50 44 |
| Aug. 5 | | |
| COL | iP | 10 17 32 |
| TUC | e(P) | 10 19 25 |
| Aug. 5 | | |
| BOZ | eP | 16 16 27 |
| COL | iP | 16 12 58 |
| | ipP | 13 10 |
| EUR | iP | 16 16 35 |
| | e | 17 14 |
| FGU | iP | 16 16 54 |
| | i | 17 19 |
| | i | 17 34 |
| HHM | iP | 16 16 02 |
| | epP | 16 16 |
| | i | 17 05 |
| RCD | iP | 16 17 01 |
| SLC | eP | 16 16 45 |
| SIT | eP | 16 14 03 |
| TUC | iP | 16 17 28 |
| | epP | 17 44 |
| TUT | iP | 16 17 28 |
| | epP | 17 44 |
| Aug. 5 | | |
| FGU | eP | 18 15 48 |
| Aug. 5 | | |
| FGU | iP | 22 26 35 |
| GCA | eP | 22 26 21 |
| HHM | eP | 22 24 03 |
| Aug. 5 | | |
| BCN | eP | 22 36 22 |
| BOZ | eP | 22 35 55 |
| COL | iP | 22 32 32 |
| | i | 32 45 |
| | i | 33 07 |
| | ePcP | 36 30 |
| | iS | 37 00 |
| | eL | 38 16 |
| CSC | eP | 22 38 48 |
| EUR | iP | 22 35 59 |
| | ePcP | 37 28 |
| | eS | 42 44 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| FGU | eP | 22 36 22 |
| | i | 36 23 |
| | eScP | 41 44 |
| | eS | 43 25 |
| HHM | iP | 22 35 28 |
| | i | 35 41 |
| | eScP | 41 07 |
| RCD | eP | 22 36 36 |
| | i | 36 50 |
| SLC | eP | 22 36 13 |
| SJP | iP | 22 40 37 |
| TUC | e(P) | 22 37 00 |
| | eL | 54 02 |
| TUT | eP | 22 36 59 |
| Aug. 5 | | |
| COL | eP | 23 32 43 |
| EUR | iP | 23 36 12 |
| Aug. 6 | | |
| COL | e(P) | 03 01 05 |
| EUR | eP | 03 00 44 |
| FGU | e(P) | 03 01 11 |
| TUC | eP | 03 02 17 |
| TUT | eP | 03 02 17 |
| Aug. 6 | | |
| FGU | eP | 03 09 07 |
| | e | 09 39 |
| | e | 13 28 |
| Aug. 6 | | |
| COL | iP | 03 13 58 |
| | i | 15 13 |
| EUR | iP | 03 17 28 |
| | ipP | 19 28 |
| FGU | eP | 03 17 44 |
| | epP | 19 40 |
| | i | 19 46 |
| GUA | iP | 03 09 10 |
| HHM | iP | 03 17 11 |
| | epP | 19 07 |
| RCD | eP | 03 18 49 |
| TUC | eP | 03 18 04 |
| Aug. 6 | | |
| RCD | e(P) | 04 33 13 |
| | e | 38 23 |
| Aug. 6 | | |
| COL | e(P) | 04 50 47 |
| FGU | eP | 04 50 40 |
| TUT | eP | 04 50 14 |
| Aug. 6 | | |
| EUR | iP | 05 15 10 |
| Aug. 6 | | |
| FGU | eP | 06 08 05 |
| | e | 09 02 |
| Aug. 6 | | |
| FGU | eP | 06 21 18 |
| | i | 21 50 |
| Aug. 6 | | |
| GUA | iP | 06 44 10 |
| Aug. 6 | | |
| EUR | iP | 08 41 57 |
| FGU | e(P) | 08 42 11 |
| HHM | e(P) | 08 40 52 |
| | eL | 43 39 |
| Aug. 6 | | |
| FGU | e(P) | 10 11 30 |
| Aug. 6 | | |
| FGU | e(P) | 11 01 08 |
| Aug. 6 | | |
| COL | iP | 12 51 10 |
| | iL | 51 24 |
| EUR | iP | 12 57 11 |
| | iPcP | 13 00 06 |
| FGU | eP | 12 57 14 |
| | eScP | 13 03 55 |
| HHM | eP | 12 56 02 |
| | eScP | 13 03 08 |
| SIT | e(P) | 12 55 41 |
| | e | 56 24 |
| TUC | e(P) | 12 58 22 |
| TUT | eP | 12 58 20 |
| Aug. 6 | | |
| BOZ | e(P) | 13 05 07 |
| BUT | eP | 13 04 40 |
| RCD | e(P) | 13 07 25 |
| | e | 07 36 |
| Aug. 6 | | |
| FGU | e(P) | 13 15 48 |
| Aug. 6 | | |
| EUR | iP | 14 07 42 |
| Aug. 6 | | |
| COL | iP | 14 14 07 |
| | i | 14 11 |
| | iL | 14 49 |
| Aug. 6 | | |
| BCN | eP | 14 37 38 |
| | e | 38 18 |
| Aug. 6 | | |
| BCN | eP | 15 02 27 |
| COL | iP' | 15 08 36 |
| EUR | iP | 15 02 43 |
| FGU | iP | 15 02 38 |
| HHM | eP | 15 03 14 |
| TUC | eP | 15 02 02 |
| TUT | iP | 15 02 03 |
| | ePP | 05 05 |
| Aug. 6 | | |
| EUR | iP | 17 46 45 |
| FGU | iP | 17 46 33 |
| TUC | eP | 17 46 03 |
| TUT | iP | 17 46 03 |
| Aug. 6 | | |
| HHM | eP | 18 17 38 |
| Aug. 6 | | |
| FGU | eP | 23 44 41 |
| | i | 44 42 |
| | i | 45 12 |
| Aug. 7 | | |
| EUR | eP | 01 29 51 |
| UKI | e(P) | 01 28 39 |
| | eL | 29 25 |
| Aug. 7 | | |
| COL | eP | 03 18 47 |
| Aug. 7 | | |
| COL | eP | 03 26 51 |
| EUR | eP | 03 30 00 |
| Aug. 7 | | |
| FGU | eP | 04 22 50 |
| Aug. 7 | | |
| FGU | iP | 07 47 38 |
| | iL | 48 04 |
| GCA | iP | 07 47 56 |
| | eL | 48 33 |
| Aug. 7 | | |
| COL | iP | 10 08 18 |
| EUR | iP | 10 11 46 |
| | e | 12 10 |
| FGU | iP | 10 12 10 |
| HHM | iP | 10 11 15 |
| TUC | eP | 10 12 42 |
| Aug. 7 | | |
| COL | iP | 11 55 54 |
| | iS | 56 38 |
| | iL | 56 55 |
| Aug. 7 | | |
| COL | e(P) | 15 33 00 |
| Aug. 7 | | |
| COL | iP | 16 15 04 |
| EUR | eP | 16 14 29 |
| FGU | eP | 16 14 56 |
| | e | 15 07 |
| Aug. 7 | | |
| BCN | e(P) | 16 29 22 |
| | e | 30 59 |
| BOZ | iP | 16 28 05 |
| | eS | 28 47 |
| | eL | 29 08 |
| BUT | eP | 16 28 09 |
| EUR | iP | 16 28 22 |
| FGU | iP | 16 27 50 |
| GCA | eP | 16 28 38 |
| | i | 28 55 |
| HHM | eP | 16 28 43 |
| | iL | 30 16 |
| RCD | e(P) | 16 28 51 |
| | e | 29 06 |
| | eS | 30 15 |
| | eL | 30 28 |
| SLC | eP | 16 27 44 |
| | eS | 28 10 |
| | eL | 28 29 |
| TUC | eP | 16 29 32 |
| | e | 29 37 |
| | e | 30 25 |
| | eL | 32 37 |
| Aug. 7 | | |
| COL | iP | 17 22 04 |
| | eL | 22 23 |
| Aug. 7 | | |
| BCN | e(P) | 19 22 28 |
| | eL | 24 03 |

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| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| BOZ | | eP | 19 21 07 |
| | | e | 21 31 |
| | | eL | 21 58 |
| BUT | | eP | 19 21 10 |
| EUR | | iP | 19 21 24 |
| | | e(S) | 22 15 |
| FGU | | eP | 19 20 51 |
| | | i | 20 53 |
| | | iL | 21 22 |
| GCA | | eP | 19 21 41 |
| | | e | 21 55 |
| | | iL | 23 09 |
| HHM | | eP | 19 21 50 |
| | | iL | 23 17 |
| RCD | | e(P) | 19 22 05 |
| | | e | 22 12 |
| | | eL | 23 30 |
| SLC | | eP | 19 20 45 |
| | | eS | 21 12 |
| | | eL | 21 30 |
| TUC | | e(P) | 19 23 22 |
| Aug. 7 | | | |
| FGU | | e(P) | 20 02 46 |
| Aug. 7 | | | |
| FGU | | eP | 21 20 00 |
| Aug. 7 | | | |
| EUR | | eP | 21 48 08 |
| Aug. 7 | | | |
| FGU | | e(P) | 22 16 38 |
| Aug. 7 | | | |
| COL | | iP | 22 30 59 |
| EUR | | iP | 22 34 27 |
| FGU | | iP | 22 34 50 |
| HHM | | iP | 22 33 55 |
| Aug. 7 | | | |
| EUR | | eP | 22 47 50 |
| Aug. 7 | | | |
| EUR | | eP | 23 16 50 |
| FGU | | e(P) | 23 15 20 |
| Aug. 7 | | | |
| SJP | | eP | 22 23 04 |
| | | eL | 23 47 |
| Aug. 8 | | | |
| FGU | | e(P) | 00 13 34 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| Aug. 8 | | | |
| BUT | | eP | 01 01 40 |
| | | eS | 01 58 |
| | | eL | 02 18 |
| EUR | | eP | 01 02 50 |
| FGU | | eP | 01 02 21 |
| | | i | 02 29 |
| | | iS | 03 00 |
| | | iL | 03 23 |
| HHM | | iP | 01 02 16 |
| | | i | 02 28 |
| | | iL | 03 17 |
| RCD | | eP | 01 03 14 |
| SLC | | eP | 01 02 23 |
| Aug. 8 | | | |
| COL | | iP | 01 24 34 |
| EUR | | iP | 01 28 28 |
| | | iScP | 32 51 |
| FGU | | eP | 01 28 47 |
| | | e | 29 50 |
| HHM | | eP | 01 27 50 |
| RCD | | eP | 01 28 54 |
| Aug. 8 | | | |
| HHM | | e(P) | 03 26 04 |
| | | eL | 27 16 |
| Aug. 8 | | | |
| EUR | | eP | 07 05 14 |
| Aug. 8 | | | |
| EUR | | eP | 07 22 04 |
| FGU | | eP | 07 21 30 |
| GCA | | eP | 07 21 53 |
| HHM | | eP | 07 21 27 |
| RCD | | eP | 07 20 50 |
| TUC | | e(P) | 07 22 07 |
| TUT | | eP | 07 22 06 |
| Aug. 8 | | | |
| COL | | iP | 09 16 23 |
| EUR | | eP | 09 19 51 |
| FGU | | iP | 09 20 24 |
| HHM | | eP | 09 19 20 |
| Aug. 8 | | | |
| COL | | e(P) | 10 02 17 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| FGU | | eP | 10 06 32 |
| Aug. 8 | | | |
| FGU | | eP | 10 44 58 |
| RCD | | eP | 10 45 07 |
| Aug. 8 | | | |
| COL | | e(P') | 12 46 14 |
| Aug. 8 | | | |
| SLC | | eP | 19 07 31 |
| Aug. 8 | | | |
| COL | | eP | 20 48 26 |
| HHM | | iP | 20 49 16 |
| Aug. 9 | | | |
| BCN | | eP | 02 27 22 |
| | | e | 28 14 |
| GCA | | e(P) | 02 28 03 |
| Aug. 9 | | | |
| HHM | | iP | 04 19 43 |
| SJP | | eP | 04 15 20 |
| | | ePP | 17 13 |
| Aug. 9 | | | |
| BOZ | | eP | 06 21 50 |
| BUT | | eP | 06 21 54 |
| GCA | | iP | 06 21 11 |
| HHM | | iP | 06 22 07 |
| RCD | | eP | 06 21 22 |
| | | i | 21 24 |
| SLC | | eP | 06 21 27 |
| SJP | | e(P) | 06 17 44 |
| | | e | 17 49 |
| TUC | | eP | 06 20 44 |
| TUT | | iP | 06 20 45 |
| Aug. 9 | | | |
| BUT | | eP | 06 30 45 |
| COL | | iP | 06 27 09 |
| | | i | 27 19 |
| | | eS | 31 28 |
| | | eL | 34 18 |
| GCA | | e(P) | 06 31 37 |
| HHM | | eP | 06 30 28 |
| | | ePcP | 32 05 |
| RCD | | eP | 06 31 30 |
| SLC | | eP | 06 31 16 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| SIT | | e(P) | 06 28 20 |
| Aug. 9 | | | |
| COL | | iP | 07 03 25 |
| | | i | 03 35 |
| | | eS | 07 43 |
| | | eL | 10 36 |
| GCA | | e(P) | 07 08 12 |
| HHM | | eP | 07 06 46 |
| RCD | | eP | 07 07 46 |
| | | e | 08 11 |
| SLC | | eP | 07 07 30 |
| Aug. 9 | | | |
| BHP | | iP | 07 48 40 |
| | | iS | 55 48 |
| BCN | | eP | 07 41 56 |
| | | eS | 43 22 |
| | | eL | 44 27 |
| BOZ | | eP | 07 42 24 |
| | | eS | 44 47 |
| | | eL | 46 09 |
| BUT | | eP | 07 42 11 |
| | | eS | 45 15 |
| | | eL | 48 03 |
| COL | | eP | 07 45 06 |
| | | eS | 49 42 |
| | | eL | 51 06 |
| CSC | | eP | 07 46 35 |
| | | eS | 52 22 |
| | | eL | 56 20 |
| GCA | | eP | 07 42 22 |
| | | i | 42 24 |
| | | iL | 46 34 |
| | | e | 50 23 |
| | | e | 51 07 |
| HON | | eP | 07 45 57 |
| | | e(S) | 52 21 |
| | | eL | 53 13 |
| | | eT | 08 24 47 |
| HHM | | iP | 07 42 15 |
| | | eL | 45 35 |
| KIP | | eP | 07 45 20 |
| | | i | 45 30 |
| | | eT | 08 18 47 |
| RCD | | eP | 07 43 29 |
| | | iP | 43 32 |
| | | eS | 46 54 |
| | | eL | 48 34 |
| SLC | | eP | 07 42 08 |
| | | eS | 44 26 |
| | | eL | 47 06 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SJP | iP | 07 49 07 |
| | e | 50 38 |
| SIT | iP | 07 43 35 |
| | eS | 46 58 |
| | eL | 48 18 |
| TUC | iP | 07 42 59 |
| | e | 43 20 |
| | eS | 46 14 |
| | eL | 46 46 |
| | iL | 49 44 |
| TUT | iP | 07 43 00 |
| UKI | iP | 07 40 10 |
| WAS | eP | 07 46 44 |
| | eS | 52 42 |
| | eL | 54 32 |
| Aug. 9 | | |
| COL | iP | 14 10 13 |
| HHM | iP | 14 13 09 |
| Aug. 9 | | |
| BCN | eP | 16 58 54 |
| BOZ | eP | 16 59 32 |
| BUT | eP | 16 59 25 |
| | ePP | 17 03 04 |
| COL | iP | 16 59 26 |
| | ePP | 17 02 54 |
| | e | 03 19 |
| | eS | 10 09 |
| | e | 10 24 |
| | e | 11 48 |
| | eL | 25 14 |
| GCA | iP | 16 59 06 |
| GUA | eP | 16 55 39 |
| HHM | eP | 16 59 29 |
| | ePKKP | 17 16 51 |
| SLC | eP | 16 59 15 |
| SIT | eP | 16 59 14 |
| TUC | eP | 16 58 56 |
| | eL | 17 26 20 |
| UKI | eP | 16 58 36 |
| Aug. 9 | | |
| COL | i(P) | 17 04 50 |
| Aug. 9 | | |
| BCN | eP | 18 28 51 |
| COL | iP | 18 25 01 |
| | i | 25 10 |
| FGU | iP | 18 28 36 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HHM | iP | 18 27 58 |
| Aug. 9 | | |
| COL | e(P) | 18 39 04 |
| Aug. 9 | | |
| SLC | eP | 19 26 44 |
| Aug. 9 | | |
| COL | eP | 22 13 21 |
| HHM | eP | 22 14 32 |
| Aug. 9 | | |
| BCN | eP | 23 49 40 |
| COL | iP | 23 49 14 |
| | ipP | 49 28 |
| GCA | eP | 23 49 58 |
| HHM | eP | 23 49 58 |
| | i | 50 22 |
| KIP | eP | 23 46 23 |
| TUC | e(P) | 23 50 06 |
| TUT | eP | 23 49 53 |
| UKI | eP | 23 49 23 |
| Aug. 10 | | |
| COL | iP | 00 27 01 |
| Aug. 10 | | |
| COL | iP | 01 47 34 |
| | i | 48 07 |
| FGU | iP | 01 51 14 |
| HHM | iP | 01 50 27 |
| Aug. 10 | | |
| COL | iP | 02 43 41 |
| Aug. 10 | | |
| FGU | iP | 02 54 49 |
| HHM | iP | 02 55 26 |
| TUC | eP | 02 54 11 |
| TUT | eP | 02 54 12 |
| Aug. 10 | | |
| COL | iP | 06 08 33 |
| FGU | iP | 06 08 36 |
| TUC | e(P) | 06 08 14 |
| Aug. 10 | | |
| BOZ | iP | 06 20 16 |
| | eL | 20 53 |
| BUT | eP | 06 20 30 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| FGU | eP | 06 21 06 |
| | i | 21 16 |
| | iL | 22 07 |
| GCA | e(P) | 06 21 59 |
| HHM | iP | 06 21 05 |
| | iL | 22 07 |
| RCD | eP | 06 21 29 |
| | e | 21 47 |
| | eL | 22 48 |
| SLC | eP | 06 21 06 |
| Aug. 10 | | |
| BUT | eP | 07 42 29 |
| FGU | iP | 07 42 14 |
| | iL | 42 44 |
| HHM | eP | 07 43 08 |
| | eL | 44 35 |
| RCD | eP | 07 44 50 |
| Aug. 10 | | |
| HHM | e(P) | 09 17 34 |
| Aug. 10 | | |
| FGU | iP | 09 42 47 |
| HHM | iP | 09 43 27 |
| Aug. 10 | | |
| HHM | eP | 10 43 41 |
| Aug. 10 | | |
| COL | iP | 12 50 05 |
| | ePP | 52 38 |
| HHM | iP | 12 47 17 |
| | iPcP | 48 50 |
| RCD | iP | 12 46 14 |
| SLC | eP | 12 46 25 |
| SJP | eP | 12 43 20 |
| TUC | iP | 12 45 35 |
| TUT | iP | 12 45 35 |
| Aug. 10 | | |
| COL | iP | 14 50 37 |
| | i | 51 17 |
| Aug. 10 | | |
| BCN | eP | 15 46 08 |
| Aug. 10 | | |
| BCN | eP | 19 13 14 |
| | e | 13 59 |
| GCA | eP | 19 13 29 |
| | i | 13 44 |
| | iL | 14 57 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC | e(P) | 19 13 17 |
| | eL | 14 07 |
| TUT | eP | 19 13 06 |
| | i | 13 20 |
| | eL | 14 06 |
| Aug. 10 | | |
| BCN | eP | 19 20 55 |
| | e | 21 38 |
| GCA | e(P) | 19 21 08 |
| | i | 21 24 |
| | iL | 22 44 |
| TUC | e(P) | 19 20 52 |
| | e | 21 00 |
| | eL | 21 40 |
| TUT | eP | 19 20 46 |
| | i | 21 01 |
| | iL | 21 43 |
| Aug. 10 | | |
| BCN | eP | 19 30 44 |
| | e | 31 44 |
| GCA | e(P) | 19 30 56 |
| | i | 31 13 |
| TUC | e(P) | 19 30 44 |
| | eL | 31 28 |
| TUT | eP | 19 30 30 |
| | i | 30 46 |
| | iL | 31 32 |
| Aug. 10 | | |
| BCN | eP | 19 49 59 |
| | e | 50 44 |
| GCA | eP | 19 50 30 |
| | eL | 51 44 |
| Aug. 10 | | |
| BCN | eP | 19 55 04 |
| | e | 55 30 |
| GCA | eP | 19 56 56 |
| | i | 58 10 |
| TUC | e(P) | 19 56 32 |
| | eL | 57 20 |
| TUT | eP | 19 56 32 |
| | eL | 57 17 |
| Aug. 10 | | |
| EUR | eP | 23 36 39 |
| Aug. 11 | | |
| EUR | e(P) | 00 07 54 |
| | e | 08 40 |
| Aug. 11 | | |
| CSC | eP | 00 46 50 |

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| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| Aug. 11 | | |
| EUR | iP | 00 55 37 |
| Aug. 11 | | |
| EUR | iP | 01 27 23 |
| | e | 28 45 |
| Aug. 11 | | |
| EUR | eP | 01 34 08 |
| | i | 36 27 |
| Aug. 11 | | |
| FGU | eP | 01 42 00 |
| Aug. 11 | | |
| FGU | iP | 01 58 52 |
| Aug. 11 | | |
| FGU | e(P) | 02 07 59 |
| Aug. 11 | | |
| EUR | e(P) | 02 27 09 |
| Aug. 11 | | |
| COL | iP | 02 36 33 |
| | ipP | 36 46 |
| EUR | iP | 02 39 57 |
| FGU | e(P) | 02 40 17 |
| HHM | eP | 02 39 28 |
| | ipP | 39 42 |
| Aug. 11 | | |
| BCN | eP | 02 45 11 |
| BOZ | iP | 02 44 42 |
| BUT | eP | 02 44 31 |
| COL | iP | 02 41 17 |
| CSC | eP | 02 47 41 |
| EUR | iP | 02 44 48 |
| | i | 45 32 |
| | ePcP | 46 29 |
| | eScP | 50 13 |
| FGU | iP | 02 45 12 |
| | iPcP | 46 48 |
| | iScP | 50 26 |
| GCA | iP | 02 45 20 |
| | ePcP | 47 10 |
| HHM | iP | 02 44 16 |
| | iPcP | 46 25 |
| | iScP | 49 58 |
| | eScS | 54 10 |
| KIP | eP | 02 43 35 |
| RCD | iP | 02 45 24 |
| | epP | 45 54 |
| | iScP | 50 33 |
| | eP'P' | 03 08 08 |
| SJP | iP | 02 49 35 |
| SIT | eP | 02 42 06 |
| | e | 42 17 |
| | eScP | 49 09 |
| TUC | iP | 02 45 49 |
| UKI | iP | 02 44 13 |
| | ipP | 44 34 |
| | ePP | 45 33 |
| | iPcP | 46 27 |
| | i | 49 20 |
| | i | 52 15 |
| Aug. 11 | | |
| COL | eP | 03 06 15 |
| | ipP | 06 31 |
| CSC | eP' | 03 12 46 |
| EUR | eP' | 03 11 54 |
| | ePP | 12 48 |
| | ePKKP | 22 44 |
| FGU | eP' | 03 12 03 |
| | ePKKP | 22 27 |
| GUA | iP | 02 58 55 |
| | i | 59 58 |
| HHM | eP' | 03 11 42 |
| | ipP' | 11 54 |
| | ePP | 13 23 |
| | ePKKP | 22 41 |
| | ipPKKP | 22 52 |
| RCD | ePKKP | 03 23 14 |
| SJP | eP' | 03 13 53 |
| | iPP | 14 45 |
| Aug. 11 | | |
| GCA | e(P) | 04 43 29 |
| Aug. 11 | | |
| BUT | eP | 05 04 29 |
| COL | iP | 05 02 38 |
| | iPP | 05 43 |
| | iPKKP | 21 20 |
| CSC | eP' | 05 09 38 |
| | ePP | 11 56 |
| | eSKP | 12 55 |
| EUR | eP | 05 04 35 |
| | eP' | 08 38 |
| | ePKKP | 20 16 |
| | e | 20 23 |
| FGU | iP | 05 04 53 |
| | i | 05 16 |
| | iP' | 08 57 |
| | iPKKP | 20 05 |
| GCA | eP' | 05 08 57 |
| | iPKKP | 20 04 |
| GUA | iP | 04 54 50 |
| | eI | 05 13 41 |
| HON | eP | 05 02 03 |
| | e | 02 31 |
| HHM | iP | 05 04 24 |
| | ipP | 04 38 |
| | e | 07 48 |
| | eP' | 08 24 |
| | e | 09 55 |
| | iPKKP | 20 25 |
| RCD | e(P) | 05 05 09 |
| | eP' | 08 25 |
| | ePKKP | 19 59 |
| SJP | iP' | 05 10 13 |
| | i | 10 18 |
| SIT | iP | 05 03 15 |
| TUC | e(P') | 05 09 04 |
| Aug. 11 | | |
| EUR | eP | 05 58 14 |
| FGU | eP | 05 57 48 |
| Aug. 11 | | |
| COL | e(P) | 06 31 13 |
| EUR | iP | 06 34 25 |
| FGU | e(P) | 06 34 38 |
| HHM | e(P) | 06 33 55 |
| RCD | eP | 06 34 50 |
| Aug. 11 | | |
| EUR | eP | 07 13 24 |
| Aug. 11 | | |
| BUT | eP | 08 22 54 |
| EUR | iP | 08 24 25 |
| FGU | eP | 08 23 52 |
| Aug. 11 | | |
| EUR | iP | 08 41 45 |
| Aug. 11 | | |
| COL | eP | 09 40 22 |
| FGU | iP | 09 41 26 |
| Aug. 11 | | |
| COL | eP | 12 10 39 |
| Aug. 11 | | |
| BHP | iP | 12 39 49 |
| | iS | 40 30 |
| Aug. 11 | | |
| BCN | eP | 21 54 20 |
| COL | iP | 21 55 02 |
| | i | 55 42 |
| FGU | iP | 21 54 52 |
| GCA | eP | 21 54 34 |
| RCD | eP | 21 55 30 |
| Aug. 11 | | |
| BHP | iP | 23 36 34 |
| Aug. 11 | | |
| BHP | iP | 23 58 16 |
| FGU | eP | 00 04 21 |
| | i | 04 26 |
| GCA | e(P) | 00 03 58 |
| Aug. 12 | | |
| COL | eP | 00 21 49 |
| | i | 23 07 |
| TUC | eP | 00 21 21 |
| Aug. 12 | | |
| FGU | e(P) | 02 26 03 |
| Aug. 12 | | |
| EUR | eP | 04 06 56 |
| Aug. 12 | | |
| BCN | eP | 04 12 57 |
| | eS | 13 18 |
| | eL | 13 37 |
| EUR | eP | 04 13 33 |
| FGU | eL | 04 17 01 |
| GCA | eP | 04 13 22 |
| TUC | e(P) | 04 13 09 |
| | e | 13 30 |
| | eL | 14 48 |
| Aug. 12 | | |
| EUR | eP | 04 47 20 |
| | e | 48 12 |
| Aug. 12 | | |
| EUR | e(P) | 06 34 16 |
| Aug. 12 | | |
| COL | iP | 07 43 21 |
| Aug. 12 | | |
| COL | e(P') | 10 19 35 |
| SIT | eP' | 10 19 58 |
| EUR | eP' | 10 20 20 |
| FGU | eP' | 10 20 25 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| HHM | iP' | 10 20 52 |
| RCD | e(P') | 10 20 25 |
| | e | 21 30 |
| TUC | eP' | 10 20 33 |
| Aug. 12 | | |
| FGU | eP | 11 01 33 |
| Aug. 12 | | |
| COL | eP | 11 33 53 |
| | e | 34 43 |
| EUR | iP | 11 34 12 |
| Aug. 12 | | |
| FGU | iP | 11 36 25 |
| Aug. 12 | | |
| EUR | eP | 11 40 58 |
| Aug. 12 | | |
| EUR | iP | 11 46 31 |
| HHM | iP | 11 47 03 |
| TUC | eP | 11 45 47 |
| Aug. 12 | | |
| BCN | eP | 13 24 36 |
| BOZ | eP | 13 24 15 |
| BUT | eP | 13 24 08 |
| COL | iP | 13 21 22 |
| | iS | 28 31 |
| EUR | iP | 13 24 19 |
| FGU | iP | 13 24 36 |
| GCA | e(P) | 13 24 21 |
| GUA | eP | 13 17 31 |
| | iP | 17 39 |
| | e(S) | 21 54 |
| HHM | iP | 13 23 55 |
| KIP | eP | 13 22 08 |
| RCD | iP | 13 24 43 |
| | ipP | 24 59 |
| SLC | eP | 13 24 29 |
| TUC | e(P) | 13 25 00 |
| | epP | 25 12 |
| | esP | 25 44 |
| Aug. 12 | | |
| BOZ | eL | 16 32 41 |
| BUT | eL | 16 32 00 |
| FGU | e(P) | 16 29 20 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| HHM | eP | 16 27 51 |
| | eL | 30 38 |
| SIT | e(P) | 16 29 25 |
| Aug. 12 | | |
| GCA | iP | 20 23 19 |
| Aug. 12 | | |
| COL | eP | 21 15 41 |
| Aug. 12 | | |
| COL | eP | 23 37 17 |
| | e | 38 11 |
| Aug. 13 | | |
| FGU | e(P) | 01 39 06 |
| Aug. 13 | | |
| TUC | eP | 04 08 03 |
| Aug. 13 | | |
| COL | e(P') | 04 34 50 |
| FGU | eP' | 04 35 17 |
| GCA | eP' | 04 35 35 |
| HHM | e(P') | 04 35 05 |
| | e | 35 49 |
| RCD | eP' | 04 35 17 |
| | e | 36 19 |
| SIT | eP' | 04 34 55 |
| TUT | eP' | 04 35 05 |
| Aug. 13 | | |
| FGU | iP | 05 41 12 |
| | iL | 41 38 |
| SLC | eP | 05 41 00 |
| | eL | 41 30 |
| Aug. 13 | | |
| COL | eP | 06 21 59 |
| Aug. 13 | | |
| FGU | eP | 06 46 18 |
| TUC | eP | 06 45 38 |
| Aug. 13 | | |
| TUC | e(P) | 07 14 27 |
| Aug. 13 | | |
| BCN | eP | 07 22 51 |
| | epP | 23 04 |
| BOZ | eP | 07 22 27 |
| | epP | 22 42 |
| BUT | eP | 07 22 21 |
| | epP | 22 39 |
| | eP'P' | 50 09 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| COL | iP | 07 19 25 |
| | iS | 26 09 |
| | eL | 29 20 |
| CSC | eP | 07 24 29 |
| FGU | iP | 07 22 50 |
| | iS | 32 09 |
| GCA | eP | 07 22 58 |
| | ipP | 23 11 |
| GUA | eP | 07 16 23 |
| | iP | 16 42 |
| HON | eP | 07 20 24 |
| | ipP | 20 38 |
| HHM | iP | 07 22 07 |
| | ipP | 22 22 |
| | eS | 31 02 |
| | eP'P' | 50 08 |
| KIP | iP | 07 20 23 |
| | ipP | 20 37 |
| RCD | iP | 07 22 57 |
| | ipP | 23 12 |
| | e(S) | 32 45 |
| | e | 33 14 |
| SLC | eP | 07 22 43 |
| SIT | iP | 07 20 23 |
| TUC | iP | 07 23 18 |
| | ipP | 23 32 |
| | iS | 33 25 |
| TUT | iP | 07 23 18 |
| | ipP | 23 28 |
| UKI | eP | 07 22 12 |
| | ipP | 22 21 |
| Aug. 13 | | |
| BHP | eP | 14 23 42 |
| | iS | 30 45 |
| BCN | eP | 14 27 25 |
| | e | 28 09 |
| | e(S) | 37 53 |
| BOZ | eP | 14 27 59 |
| | eS | 38 53 |
| BUT | eP | 14 28 03 |
| | eS | 38 34 |
| | eL | 45 30 |
| COL | eP | 14 30 03 |
| | iP' | 33 41 |
| | iPP | 35 01 |
| | iS | 40 34 |
| | iPKKP | 44 00 |
| | eSKKP | 47 37 |
| CSC | eP | 14 26 28 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| GUA | e(P') | 14 34 11 |
| HON | eP | 14 28 36 |
| | eSKS | 39 08 |
| | eS | 40 10 |
| | ePS | 41 28 |
| | eSS | 47 00 |
| | eL | 57 42 |
| EUR | iP | 14 27 43D |
| FGU | iP | 14 27 37D |
| | iS | 37 52 |
| GCA | iP | 14 27 23D |
| HHM | iP | 14 28 14D |
| | ePP | 32 01 |
| | iPS | 40 47 |
| | ePKKP | 45 13 |
| | iPKKP | 45 47 |
| | eP'P' | 53 37 |
| RCD | iP | 14 27 41D |
| | ipP | 27 53 |
| | ePP | 31 05 |
| | eS | 37 50 |
| | ePKKP | 45 30 |
| | e | 46 22 |
| SLC | eP | 14 27 40D |
| | eS | 38 21 |
| | eL | 50 41 |
| SJP | eP | 14 24 49 |
| | ePP | 26 48 |
| TUC | iP | 14 27 00D |
| | epP | 27 10 |
| | e | 32 40 |
| | eS | 36 56 |
| | iS | 37 01 |
| | eSS | 42 31 |
| | eL | 51 22 |
| TUT | iP | 14 27 00D |
| | e | 29 33 |
| | eS | 36 59 |
| | iP'P' | 54 23 |
| UKI | iP | 14 27 56D |
| WAS | eP | 14 26 55 |
| | iPP | 29 50 |
| | eS | 36 41 |
| | eL | 53 26 |
| Aug. 13 | | |
| BCN | e(P) | 14 41 22 |
| EUR | i(P) | 14 41 40 |
| FGU | e(P) | 14 41 13 |
| GCA | e(P) | 14 41 19 |
| HHM | iP | 14 42 11 |

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| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| SLC | e(P) | | 14 41 36 |
| TUC | iP | | 14 40 57 |
| TUT | iP | | 14 40 57 |
| Aug. 13 | | | |
| COL | iP | | 15 31 03 |
| Aug. 13 | | | |
| COL | iP | | 16 04 46 |
| Aug. 13 | | | |
| RCD | eP | | 16 29 44 |
| Aug. 13 | | | |
| COL | iP | | 17 15 13 |
| Aug. 13 | | | |
| BCN | eP | | 17 17 31 |
| | eL | | 24 54 |
| COL | iP | | 17 22 19 |
| | i | | 23 20 |
| FGU | e(P) | | 17 17 52 |
| | e | | 22 34 |
| | eL | | 24 37 |
| GCA | eP | | 17 17 21 |
| | eL | | 23 24 |
| HHM | eP | | 17 19 06 |
| RCD | eP | | 17 18 17 |
| | eL | | 26 27 |
| SLC | e(P) | | 17 17 59 |
| TUC | iP | | 17 16 30 |
| | eL | | 21 06 |
| TUT | eP | | 17 16 30 |
| | i | | 16 39 |
| | eL | | 21 11 |
| Aug. 13 | | | |
| EUR | eP | | 17 43 08 |
| HHM | i(P) | | 17 43 39 |
| Aug. 13 | | | |
| EUR | eP | | 18 08 25 |
| FGU | iP | | 18 08 19 |
| HHM | iP | | 18 08 56 |
| TUT | eP | | 18 07 43 |
| Aug. 13 | | | |
| FGU | eP | | 20 35 13 |
| Aug. 14 | | | |
| BOZ | e(P) | | 00 01 13 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| Aug. 14 | | | |
| FGU | iP | | 00 15 41 |
| | i | | 15 43 |
| | iL | | 16 14 |
| SLC | eP | | 00 15 10 |
| Aug. 14 | | | |
| SLC | e(P) | | 01 55 39 |
| Aug. 14 | | | |
| TUC | eP | | 02 01 40 |
| | eL | | 03 12 |
| TUT | eP | | 02 01 41 |
| | eL | | 02 58 |
| Aug. 14 | | | |
| EUR | eP | | 02 18 13 |
| FGU | eP | | 02 18 09 |
| Aug. 14 | | | |
| COL | iP | | 04 08 07 |
| | i | | 09 49 |
| | i(S) | | 14 01 |
| CSC | eP | | 04 13 39 |
| FGU | eP | | 04 11 48 |
| GCA | eP | | 04 11 55 |
| HHM | iP | | 04 11 00 |
| | ipP | | 11 13 |
| RCD | eP | | 04 11 56 |
| | ipP | | 12 09 |
| SIT | eP | | 04 09 09 |
| TUC | eP | | 04 12 18 |
| TUT | eP | | 04 12 19 |
| Aug. 14 | | | |
| COL | e(P) | | 04 34 53 |
| FGU | e(P) | | 04 37 43 |
| Aug. 14 | | | |
| COL | iP | | 07 39 25 |
| FGU | e(P) | | 07 43 04 |
| HHM | eP | | 07 42 10 |
| RCD | eP | | 07 42 51 |
| | e | | 42 58 |
| Aug. 14 | | | |
| COL | iP | | 11 29 30 |
| | ipP | | 29 45 |
| TUC | eP | | 11 34 02 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| Aug. 14 | | | |
| COL | eP | | 13 04 28 |
| | epP | | 04 37 |
| HHM | iP | | 13 05 15 |
| | e | | 05 59 |
| Aug. 14 | | | |
| COL | eP | | 13 36 08 |
| Aug. 14 | | | |
| COL | iP | | 14 53 27 |
| | ipP | | 54 11 |
| Aug. 14 | | | |
| SJP | iP | | 15 00 28 |
| Aug. 14 | | | |
| COL | eP | | 15 29 11 |
| Aug. 14 | | | |
| GCA | eP | | 15 48 13 |
| | i | | 48 25 |
| TUC | iP | | 15 47 33 |
| | iL | | 47 55 |
| Aug. 14 | | | |
| EUR | e(P) | | 16 39 53 |
| Aug. 14 | | | |
| EUR | eP | | 18 29 55 |
| Aug. 14 | | | |
| RCD | eP | | 20 43 26 |
| Aug. 14 | | | |
| EUR | eP | | 20 49 42 |
| Aug. 14 | | | |
| COL | iP | | 21 27 24 |
| EUR | eP | | 21 30 52 |
| HHM | e(P) | | 21 30 20 |
| TUC | e(P) | | 21 32 04 |
| Aug. 14 | | | |
| EUR | eP | | 21 47 58 |
| Aug. 14 | | | |
| GCA | e(P) | | 22 01 33 |
| Aug. 14 | | | |
| EUR | iP | | 22 33 43 |
| Aug. 14 | | | |
| EUR | eP | | 22 41 42 |
| Aug. 14 | | | |
| FGU | e(P) | | 22 45 13 |
| Aug. 14 | | | |
| COL | iP | | 22 48 50 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| Aug. 14 | | | |
| EUR | iP | | 22 48 57 |
| Aug. 14 | | | |
| BHP | iP | | 22 52 41 |
| | iS | | 58 02 |
| BCN | eP | | 22 57 25 |
| BOZ | eP | | 22 57 54 |
| | e | | 58 28 |
| BUT | eP | | 22 58 00 |
| | e | | 58 30 |
| COL | iP | | 23 00 02 |
| CSC | eP | | 22 55 45 |
| EUR | iP | | 22 57 44 |
| | e | | 58 22 |
| FGU | iP | | 22 57 30 |
| | i | | 58 41 |
| | iL | | 23 06 56 |
| GCA | iP | | 22 57 21 |
| GUA | iP' | | 23 05 08 |
| HHM | iP | | 22 58 11 |
| | ipP | | 59 02 |
| RCD | iP | | 22 57 29 |
| | ipP | | 58 19 |
| | e(S) | | 23 06 54 |
| SLC | eP | | 22 57 36 |
| | e | | 57 57 |
| SJP | iP | | 22 53 36 |
| | ipP | | 54 29 |
| | e | | 54 43 |
| | iPcP | | 55 23 |
| TUC | iP | | 22 56 56 |
| | e | | 57 15 |
| TUT | iP | | 22 56 56 |
| | e | | 57 09 |
| | epP | | 57 42 |
| Aug. 14 | | | |
| EUR | iP | | 23 22 12 |
| Aug. 14 | | | |
| EUR | e(P) | | 23 30 59 |
| Aug. 15 | | | |
| COL | i(P) | | 00 02 49 |
| Aug. 15 | | | |
| FGU | eP | | 03 30 00 |
| Aug. 15 | | | |
| BOZ | eP | | 05 44 26 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BUT | eP | 05 44 19 |
| COL | iP | 05 40 42 |
| | ipP | 40 53 |
| | i | 41 29 |
| | eS | 45 11 |
| EUR | eP | 05 44 39 |
| FGU | eP | 05 44 57 |
| GCA | e(P) | 05 45 00 |
| HHM | eP | 05 44 01 |
| | ePcP | 45 41 |
| RCD | eP | 05 45 02 |
| TUC | e(P) | 05 45 38 |
| | e | 46 10 |
| TUT | e(P) | 05 45 39 |
| Aug. 15 | | |
| BCN | eP | 06 06 54 |
| BUT | eP | 06 06 22 |
| COL | iP | 06 03 15 |
| | ipP | 03 29 |
| EUR | iP | 06 06 36 |
| FGU | iP | 06 06 54 |
| GCA | iP | 06 07 00 |
| HHM | iP | 06 06 07 |
| RCD | iP | 06 07 01 |
| TUC | iP | 06 06 24 |
| TUT | iP | 06 06 24 |
| Aug. 15 | | |
| COL | iP | 06 34 05 |
| EUR | eP | 06 33 46 |
| Aug. 15 | | |
| BCN | eP | 06 45 03 |
| EUR | iP | 06 44 38 |
| FGU | iP | 06 44 33 |
| GCA | e(P) | 06 43 58 |
| HHM | iP | 06 45 10 |
| Aug. 15 | | |
| CSC | eP | 06 58 42 |
| Aug. 15 | | |
| BHP | iP' | 07 18 40 |
| | i | 23 54 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BOZ | eP' | 07 18 48 |
| BUT | eP' | 07 18 41 |
| COL | eP' | 07 18 02 |
| CSC | eP' | 07 18 38 |
| EUR | eP' | 07 19 01 |
| | e | 21 10 |
| FGU | iP' | 07 18 56 |
| GCA | e(P') | 07 18 53 |
| | ePP | 23 00 |
| HHM | eP' | 07 18 34 |
| RCD | eP' | 07 18 43 |
| TUC | eP' | 07 19 11 |
| TUT | e(P') | 07 18 58 |
| | ePP | 23 29 |
| Aug. 15 | | |
| FGU | eP | 08 15 10 |
| Aug. 15 | | |
| COL | e(P) | 10 13 02 |
| Aug. 15 | | |
| BHP | i(P') | 14 53 21 |
| BOZ | eP' | 14 53 26 |
| CSC | eP' | 14 53 18 |
| FGU | iP' | 14 53 36 |
| HHM | iP' | 14 53 17 |
| RCD | iP' | 14 53 27 |
| Aug. 15 | | |
| COL | eP | 19 23 52 |
| | ipP | 24 17 |
| | i | 25 04 |
| CSC | eP | 19 18 21 |
| EUR | eP | 19 19 54 |
| FGU | eP | 19 19 32 |
| | epP | 19 57 |
| RCD | eP | 19 19 58 |
| | e | 20 40 |
| TUC | eP | 19 18 39 |
| | e | 19 02 |
| TUT | iP | 19 18 40 |
| | e | 19 16 |
| Aug. 15 | | |
| COL | iP | 19 43 45 |
| | i | 44 25 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HHM | iP | 19 42 56 |
| Aug. 15 | | |
| GUA | iP | 21 25 25 |
| | iS | 25 38 |
| Aug. 15 | | |
| HHM | iP | 22 21 43 |
| | i | 21 50 |
| Aug. 15 | | |
| COL | iP | 22 25 35 |
| FGU | iP | 22 31 28 |
| HHM | iP | 22 30 16 |
| Aug. 15 | | |
| GUA | iP | 22 25 57 |
| | eS | 26 58 |
| Aug. 15 | | |
| BOZ | eP | 23 15 05 |
| FGU | iP | 23 16 01 |
| | eS | 16 34 |
| | eL | 16 59 |
| HHM | e(P) | 23 15 53 |
| | i | 16 06 |
| Aug. 15 | | |
| BHP | i(P) | 23 20 08 |
| SJP | eP | 23 21 34 |
| FGU | eP | 23 25 30 |
| HHM | e(P) | 23 26 23 |
| Aug. 16 | | |
| EUR | eP | 01 42 22 |
| Aug. 16 | | |
| BHP | iP | 02 52 52 |
| | iS | 57 26 |
| BUT | eP | 02 58 30 |
| COL | iP | 03 00 49 |
| | ipP | 01 16 |
| CSC | eP | 02 56 12 |
| EUR | iP | 02 58 18 |
| | ePP | 58 56 |
| FGU | iP | 02 58 02 |
| GCA | iP | 02 57 51 |
| GUA | iP' | 03 06 44 |
| HHM | iP | 02 58 50 |
| | epP | 59 16 |
| | ePP | 59 26 |
| RCD | iP | 02 58 02 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SJP | iP | 02 54 01 |
| | esP | 54 38 |
| | iPP | 55 28 |
| | eS | 59 22 |
| TUC | iP | 02 57 27 |
| TUT | iP | 02 57 26 |
| Aug. 16 | | |
| EUR | eP | 05 54 15 |
| FGU | eP | 05 54 14 |
| Aug. 16 | | |
| COL | e(P) | 08 26 07 |
| Aug. 16 | | |
| COL | eP | 09 11 20 |
| Aug. 16 | | |
| FGU | e(P) | 09 55 01 |
| Aug. 16 | | |
| BCN | eP' | 10 50 46 |
| COL | e(P') | 10 50 29 |
| EUR | iP' | 10 50 34 |
| FGU | e(PP) | 10 53 42 |
| GCA | iP' | 10 50 41 |
| HHM | e(PP) | 10 52 55 |
| TUC | iP' | 10 50 55 |
| Aug. 16 | | |
| BOZ | e(P) | 13 29 13 |
| | eL | 29 56 |
| BUT | iP | 13 28 59 |
| | iS | 29 40 |
| | iL | 29 42 |
| EUR | eP | 13 30 05 |
| FGU | e(P) | 13 30 08 |
| HHM | iP | 13 28 25 |
| | iS | 28 46 |
| | iL | 28 48 |
| RCD | eP | 13 31 25 |
| | eL | 33 14 |
| Aug. 16 | | |
| HHM | iP | 15 55 56 |
| | e(S) | 56 56 |
| | iL | 57 26 |
| Aug. 16 | | |
| FGU | iP | 19 38 48 |
| | i | 39 19 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 16 | | |
| SJP | iP | 20 27 42 |
| | i | 28 15 |
| Aug. 16 | | |
| COL | iP | 22 41 09 |
| SJP | iP' | 22 48 38 |
| TUT | iP' | 22 46 42 |
| Aug. 16 | | |
| BHP | iP | 22 53 30 |
| | iS | 54 43 |
| SJP | eP | 22 54 27 |
| | iP | 54 29 |
| | iS | 56 24 |
| Aug. 16 | | |
| COL | e(P) | 23 01 04 |
| Aug. 16 | | |
| FGU | eP | 23 38 30 |
| | i | 39 20 |
| Aug. 17 | | |
| COL | e(P) | 01 43 39 |
| EUR | eP | 01 44 01 |
| Aug. 17 | | |
| TUT | e(P) | 03 58 34 |
| | eL | 59 35 |
| Aug. 17 | | |
| EUR | iP | 05 26 11 |
| | e | 27 03 |
| COL | iP | 05 26 44 |
| TUC | eP | 05 26 14 |
| Aug. 17 | | |
| GUA | iP | 05 45 44 |
| | iS | 45 59 |
| Aug. 17 | | |
| TUT | e(P) | 06 23 36 |
| | eL | 24 32 |
| Aug. 17 | | |
| BUT | eP | 08 33 26 |
| Aug. 17 | | |
| EUR | eP | 09 06 46 |
| | e | 06 57 |
| | eS | 07 33 |
| | eL | 07 44 |
| Aug. 17 | | |
| TUC | e(P) | 09 41 49 |
| Aug. 17 | | |
| COL | iP | 10 30 10 |
| EUR | eP | 10 33 25 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 17 | | |
| COL | eP' | 11 43 09 |
| EUR | eP' | 11 44 13 |
| Aug. 17 | | |
| EUR | iP | 12 53 49 |
| Aug. 17 | | |
| COL | eP | 18 21 06 |
| SJP | eP' | 18 28 27 |
| Aug. 17 | | |
| COL | e(P) | 20 32 31 |
| HHM | eP | 20 32 53 |
| | e | 33 46 |
| Aug. 17 | | |
| HHM | e(P) | 20 40 09 |
| | eL | 41 03 |
| Aug. 17 | | |
| TUT | iP | 21 38 01 |
| Aug. 18 | | |
| COL | iP | 04 03 44 |
| Aug. 18 | | |
| EUR | eP | 06 08 28 |
| Aug. 18 | | |
| EUR | iP | 06 48 50 |
| Aug. 18 | | |
| EUR | e(P) | 07 07 56 |
| Aug. 18 | | |
| COL | iP | 07 37 41 |
| EUR | iP | 07 41 17 |
| HHM | eP | 07 40 44 |
| | i | 42 29 |
| Aug. 18 | | |
| EUR | eP | 07 48 30 |
| Aug. 18 | | |
| EUR | e(P) | 10 46 02 |
| Aug. 18 | | |
| COL | i(P) | 10 49 39 |
| Aug. 18 | | |
| EUR | eP | 11 20 00 |
| | e | 20 30 |
| FGU | eP | 11 19 56 |
| TUC | eP | 11 19 21 |
| TUT | eP | 11 19 23 |
| Aug. 18 | | |
| COL | e(P) | 15 45 32 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 18 | | |
| BOZ | e(P) | 18 00 41 |
| Aug. 18 | | |
| COL | iP | 19 32 59 |
| Aug. 18 | | |
| TUC | iP | 20 16 43 |
| | iL | 17 03 |
| TUT | iP | 20 16 40 |
| | iL | 16 58 |
| Aug. 18 | | |
| BCN | eP | 20 58 17 |
| BOZ | eP | 20 57 50 |
| BUT | eP | 20 57 44 |
| COL | iP | 20 54 41 |
| | ePP | 57 18 |
| | i(S) | 21 00 42 |
| FGU | iP | 20 58 16 |
| GCA | eP | 20 58 23 |
| HHM | iP | 20 57 31 |
| | i | 57 57 |
| RCD | iP | 20 58 23 |
| TUC | eP | 20 58 45 |
| | e | 59 11 |
| TUT | iP | 20 58 45 |
| Aug. 18 | | |
| COL | e(P) | 21 48 51 |
| HHM | e(P) | 21 51 34 |
| | e | 59 01 |
| Aug. 18 | | |
| BCN | e(P) | 22 56 36 |
| COL | eP | 22 56 10 |
| HHM | eP | 22 56 54 |
| Aug. 18 | | |
| SJP | eP | 23 35 04 |
| | iL | 35 57 |
| Aug. 19 | | |
| COL | e(P) | 01 49 33 |
| | i | 49 59 |
| EUR | iP | 01 50 26 |
| Aug. 19 | | |
| COL | iP | 03 20 22 |
| Aug. 19 | | |
| EUR | eP | 03 38 35 |
| Aug. 19 | | |
| BCN | e(P) | 04 09 49 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BUT | eP | 04 09 59 |
| COL | eP | 04 12 47 |
| EUR | iP | 04 09 19 |
| | e | 10 10 |
| FGU | eP | 04 10 23 |
| | i | 10 27 |
| | i | 12 27 |
| GCA | eP | 04 10 16 |
| HHM | eP | 04 09 59 |
| SLC | eP | 04 09 57 |
| TUC | iP | 04 10 54 |
| | e | 10 59 |
| TUT | iP | 04 10 52 |
| | e | 11 09 |
| UKI | eP | 04 08 06 |
| | e | 08 14 |
| | eL | 10 02 |
| Aug. 19 | | |
| EUR | eP | 04 23 07 |
| Aug. 19 | | |
| EUR | iP | 06 10 49 |
| Aug. 19 | | |
| COL | eP | 08 22 51 |
| Aug. 19 | | |
| COL | eP | 08 28 12 |
| | i | 29 18 |
| EUR | iP | 08 32 29 |
| | iPcP | 35 04 |
| HHM | i(P) | 08 31 58 |
| Aug. 19 | | |
| COL | eP | 09 24 41 |
| EUR | iP | 09 25 17 |
| Aug. 19 | | |
| COL | eP | 11 24 58 |
| | i | 25 18 |
| EUR | iP | 11 21 32 |
| FGU | iP | 11 21 10 |
| | i | 21 50 |
| TUC | eP | 11 20 25 |
| TUT | iP | 11 20 25 |
| Aug. 19 | | |
| COL | iP' | 12 15 33 |
| EUR | iP' | 12 15 07 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| FGU | iP' | 12 15 33 |
| GCA | iP' | 12 15 17 |
| HHM | eP' | 12 15 36 |
| SLC | eP' | 12 15 24 |
| TUC | iP' | 12 15 07 |
| TUT | eP' | 12 15 06 |
| Aug. 19 | | |
| COL | iP | 12 17 59 |
| | ipP | 18 07 |
| HHM | iP | 12 17 10 |
| Aug. 19 | | |
| BCN | eP | 12 53 43 |
| BOZ | eP | 12 53 30 |
| COL | iP | 12 51 00 |
| | i | 53 11 |
| | iScP | 55 06 |
| | eS | 58 30 |
| EUR | iP | 12 53 28 |
| | ePKKP | 13 10 30 |
| FGU | iP | 12 53 46 |
| | eS | 13 03 48 |
| | ePKKP | 11 03 |
| GCA | iP | 12 53 49 |
| GUA | i(P) | 12 44 42 |
| | iP | 44 50 |
| HHM | iP | 12 53 13 |
| SLC | eP | 12 53 39 |
| SIT | eP | 12 51 44 |
| TUC | iP | 12 54 05 |
| TUT | iP | 12 54 04 |
| Aug. 19 | | |
| COL | eP | 13 07 31 |
| Aug. 19 | | |
| SLC | eP | 16 13 26 |
| Aug. 19 | | |
| BCN | eP | 16 38 50 |
| EUR | eP | 16 37 15 |
| GCA | e(P) | 16 38 45 |
| TUT | e(P) | 16 35 28 |
| | e | 35 48 |
| | iL | 36 41 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 19 | | |
| COL | iP | 16 59 54 |
| Aug. 19 | | |
| BCN | eP | 17 13 40 |
| COL | iP | 17 09 27 |
| | iS | 14 05 |
| EUR | iP | 17 13 17 |
| GCA | iP | 17 13 45 |
| HHM | eP | 17 12 41 |
| | i | 12 52 |
| | iPcP | 13 57 |
| KIP | eP | 17 11 55 |
| | eT | 18 00 05 |
| SIT | eP | 17 10 47 |
| Aug. 19 | | |
| SLC | eP | 23 48 32 |
| Aug. 19 | | |
| EUR | eP | 23 50 10 |
| Aug. 20 | | |
| SJP | e(P) | 00 10 03 |
| | e | 10 31 |
| | e | 10 49 |
| Aug. 20 | | |
| BHP | iP | 00 22 24 |
| | iS | 25 11 |
| BCN | eP | 00 25 35 |
| | e | 25 50 |
| BOZ | e(P) | 00 26 19 |
| COL | iP | 00 29 51 |
| CSC | eP | 00 24 19 |
| | eS | 28 18 |
| EUR | iP | 00 26 01 |
| | ePcP | 29 06 |
| | eScP | 32 25 |
| GCA | eP | 00 25 24 |
| | ePcP | 28 50 |
| | eScP | 32 12 |
| HHM | iP | 00 26 49 |
| | iPcP | 28 59 |
| | i | 29 17 |
| | eScP | 32 44 |
| SLC | eP | 00 25 49 |
| TUC | eP | 00 24 49 |
| | eS | 30 18 |
| | eL | 32 59 |
| TUT | iP | 00 24 50 |
| | i | 25 05 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 20 | | |
| EUR | e(P) | 01 07 48 |
| Aug. 20 | | |
| GUA | iP | 01 47 14 |
| Aug. 20 | | |
| FGU | iP | 04 07 10 |
| | iL | 07 39 |
| RCD | eP | 04 11 14 |
| SLC | eP | 04 07 07 |
| Aug. 20 | | |
| BUT | e(P) | 06 29 26 |
| EUR | eP | 06 30 39 |
| FGU | iP | 06 30 10 |
| | iL | 30 41 |
| SLC | eP | 06 30 05 |
| | eL | 30 30 |
| Aug. 20 | | |
| EUR | eP | 06 41 57 |
| Aug. 20 | | |
| COL | eP | 06 41 51 |
| | i | 42 02 |
| GUA | iP | 06 31 35 |
| | iS | 32 03 |
| HHM | iP | 06 43 33 |
| Aug. 20 | | |
| BUT | iP | 07 07 38 |
| EUR | eP | 07 06 48 |
| FGU | iP | 07 06 31 |
| | iL | 07 02 |
| RCD | e(P) | 07 06 19 |
| SLC | e(P) | 07 06 24 |
| | eL | 06 51 |
| Aug. 20 | | |
| BOZ | e(P) | 07 15 32 |
| EUR | eP | 07 15 49 |
| FGU | iP | 07 15 19 |
| | iL | 15 50 |
| SLC | eP | 07 15 12 |
| | eL | 15 40 |
| Aug. 20 | | |
| BOZ | eP | 07 25 38 |
| BUT | eP | 07 25 45 |
| EUR | eP | 07 25 56 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| FGU | iP | 07 25 26 |
| | iL | 25 56 |
| GCA | e(P) | 07 26 18 |
| | e | 27 46 |
| HHM | eP | 07 26 23 |
| | iL | 27 53 |
| RCD | e(P) | 07 26 50 |
| | eL | 28 13 |
| SLC | eP | 07 25 20 |
| | eL | 25 46 |
| Aug. 20 | | |
| BOZ | eP | 07 44 06 |
| BUT | e(P) | 07 44 22 |
| EUR | eP | 07 43 43 |
| FGU | iP | 07 43 53 |
| | iL | 44 22 |
| HHM | e(P) | 07 45 01 |
| SLC | eP | 07 43 50 |
| | eL | 44 18 |
| Aug. 20 | | |
| BOZ | eP | 08 02 43 |
| BUT | eP | 08 02 52 |
| EUR | iP | 08 03 01 |
| FGU | iP | 08 02 27 |
| | i | 02 32 |
| GCA | eP | 08 03 34 |
| | e | 03 48 |
| HHM | e(P) | 08 03 29 |
| | e | 04 29 |
| | eL | 04 59 |
| SLC | eP | 08 02 25 |
| | eL | 02 50 |
| Aug. 20 | | |
| EUR | eP | 08 26 50 |
| FGU | iP | 08 25 16 |
| | iL | 25 47 |
| Aug. 20 | | |
| BOZ | eP | 08 33 51 |
| EUR | eP | 08 35 16 |
| HHM | e(P) | 08 34 40 |
| | i | 34 50 |
| SLC | e(P) | 08 34 45 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| Aug. 20 | | h m s |
| EUR | e(P) | 08 36 48 |
| FGU | iP | 08 36 19 |
| | iL | 36 50 |
| Aug. 20 | | |
| BOZ | eP | 10 12 29 |
| BUT | eP | 10 12 44 |
| | eL | 13 27 |
| EUR | eP | 10 12 47 |
| | eL | 14 03 |
| FGU | iP | 10 12 17 |
| | iL | 12 48 |
| GCA | e(P) | 10 13 15 |
| | eL | 14 38 |
| HHM | eP | 10 13 26 |
| | e | 13 44 |
| | eL | 13 52 |
| RCD | e(P) | 10 13 25 |
| | e | 13 52 |
| | eL | 14 55 |
| SLC | eP | 10 12 10 |
| | e | 12 36 |
| | eL | 13 45 |
| | e | 14 12 |
| Aug. 20 | | |
| BOZ | iP | 10 14 05 |
| | eL | 14 48 |
| BUT | eP | 10 14 12 |
| | eL | 14 58 |
| EUR | e(P) | 10 14 28 |
| FGU | iP | 10 13 53 |
| | iL | 14 24 |
| HHM | e(P) | 10 15 03 |
| | eL | 16 20 |
| SLC | eP | 10 13 45 |
| | e(S) | 14 12 |
| Aug. 20 | | |
| EUR | eP | 10 27 05 |
| FGU | iP | 10 26 05 |
| | iL | 27 05 |
| Aug. 20 | | |
| BOZ | eP | 11 02 49 |
| BUT | eP | 11 02 58 |
| EUR | eP | 11 03 04 |
| | e | 04 24 |
| FGU | iP | 11 02 34 |
| | iL | 03 04 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| GCA | e(P) | 11 03 25 |
| HHM | eP | 11 03 30 |
| | eL | 05 04 |
| RCD | eP | 11 02 53 |
| | eL | 05 14 |
| SLC | eP | 11 02 26 |
| | eL | 02 56 |
| Aug. 20 | | |
| FGU | iP | 11 31 02 |
| | iL | 31 33 |
| Aug. 20 | | |
| EUR | eP | 12 44 19 |
| Aug. 20 | | |
| BCN | e(P) | 13 50 33 |
| Aug. 20 | | |
| BOZ | eP | 14 47 42 |
| | eS | 48 32 |
| BUT | eP | 14 47 49 |
| | eS | 48 35 |
| EUR | eP | 14 46 33 |
| | eL | 46 59 |
| FGU | iP | 14 47 29 |
| | iS | 47 48 |
| GCA | eP | 14 48 18 |
| HHM | eP | 14 48 24 |
| | e | 49 37 |
| | iL | 49 56 |
| RCD | e(P) | 14 48 23 |
| | i | 48 45 |
| | eL | 50 14 |
| SLC | e(P) | 14 47 22 |
| | eL | 47 48 |
| TUC | e(P) | 14 50 07 |
| | eL | 52 15 |
| TUT | e(P) | 14 50 01 |
| | eL | 52 07 |
| Aug. 20 | | |
| COL | iP | 14 50 03 |
| Aug. 20 | | |
| EUR | eP | 15 30 55 |
| Aug. 20 | | |
| COL | iP | 15 59 57 |
| EUR | e(P) | 16 04 50 |
| HHM | e(P) | 16 01 20 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| Aug. 20 | | h m s |
| COL | iP | 16 26 59 |
| | i | 27 07 |
| EUR | eP | 16 25 23 |
| Aug. 20 | | |
| EUR | eP | 17 27 03 |
| FGU | iP | 17 25 59 |
| | iL | 26 29 |
| Aug. 20 | | |
| FGU | iP | 17 33 25 |
| Aug. 20 | | |
| EUR | eP | 17 50 48 |
| FGU | iP | 17 50 05 |
| | i | 50 36 |
| Aug. 20 | | |
| EUR | eP | 18 08 18 |
| FGU | iP | 18 07 50 |
| | iL | 08 22 |
| Aug. 20 | | |
| FGU | e(P) | 18 16 04 |
| Aug. 20 | | |
| EUR | eP | 18 26 31 |
| FGU | iP | 18 26 05 |
| | iL | 26 36 |
| SLC | eP | 18 26 00 |
| Aug. 20 | | |
| EUR | eP | 19 23 03 |
| Aug. 20 | | |
| EUR | eP | 20 16 27 |
| FGU | iP | 20 15 49 |
| | iL | 16 19 |
| Aug. 20 | | |
| BHP | iP | 20 20 17 |
| | iS | 29 45 |
| COL | iP' | 20 28 04 |
| | i | 28 18 |
| EUR | eP' | 20 27 24 |
| | eSKKS | 35 02 |
| | eSKKP | 41 04 |
| FGU | eP' | 20 27 27 |
| | e | 28 16 |
| GCA | eP' | 20 28 14 |
| HHM | eP' | 20 27 30 |
| TUC | eP' | 20 28 04 |
| | eL | 21 01 48 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| Aug. 20 | | h m s |
| COL | eP' | 21 39 15 |
| EUR | eP' | 21 39 50 |
| GCA | eP' | 21 39 12 |
| HHM | eP' | 21 38 42 |
| SJP | e(P) | 21 30 12 |
| | e | 30 23 |
| Aug. 20 | | |
| BOZ | eP' | 22 41 37 |
| COL | iP | 22 35 34 |
| | ipP | 35 56 |
| | isP | 36 04 |
| | ePP | 39 03 |
| CSC | eP' | 22 42 29 |
| EUR | eP' | 22 41 11 |
| FGU | eP' | 22 41 26 |
| GCA | eP' | 22 41 29 |
| GUA | iP | 22 28 32 |
| HHM | eP' | 22 41 09 |
| | e | 42 08 |
| RCD | eP' | 22 41 49 |
| Aug. 20 | | |
| FGU | eP | 22 56 27 |
| Aug. 20 | | |
| BCN | eP | 23 28 44 |
| | e(S) | 29 20 |
| | eL | 29 40 |
| EUR | eP | 23 29 15 |
| FGU | eP | 23 30 20 |
| GCA | eP | 23 29 28 |
| Aug. 21 | | |
| FGU | iP | 00 08 17 |
| | iL | 08 48 |
| SLC | eP | 00 07 44 |
| | e(S) | 08 03 |
| Aug. 21 | | |
| EUR | eP | 00 17 56 |
| Aug. 21 | | |
| EUR | eP | 00 26 59 |
| FGU | iP | 00 25 14 |
| | iL | 25 46 |
| Aug. 21 | | |
| EUR | eP | 00 30 26 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| FGU | e(P) | 00 30 55 |
| GCA | i(P) | 00 30 38 |
| HHM | eP | 00 30 57 |
| TUC | eP | 00 30 29 |
| Aug. 21 | | |
| COL | iP | 00 30 36 |
| | ipP | 30 59 |
| | ePKKP | 48 26 |
| CSC | eP' | 00 37 10 |
| EUR | eP | 00 31 50 |
| | ePKKP | 48 02 |
| FGU | iP | 00 32 13 |
| | e | 35 39 |
| GCA | eP | 00 32 07 |
| | ePKKP | 47 45 |
| GUA | eP | 00 22 31 |
| HHM | iP | 00 31 54 |
| KIP | iP | 00 28 29 |
| | i | 28 52 |
| SJP | eP' | 00 37 42 |
| | iP' | 37 45 |
| | i | 38 10 |
| Aug. 21 | | |
| COL | iP | 01 11 37 |
| | ipP | 12 11 |
| EUR | eP | 01 12 42 |
| FGU | iP | 01 13 03 |
| GUA | iP | 01 03 45 |
| HHM | iP | 01 12 48 |
| Aug. 21 | | |
| FGU | eP | 02 18 32 |
| | e | 19 32 |
| Aug. 21 | | |
| EUR | iP | 02 33 51 |
| Aug. 21 | | |
| EUR | e(P) | 02 40 39 |
| FGU | iP | 02 38 47 |
| | iL | 39 18 |
| GCA | e(P) | 02 40 45 |
| Aug. 21 | | |
| COL | iP | 03 41 05 |
| | i | 41 14 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| Aug. 21 | | h m s |
| BHP | iP | 03 56 23 |
| | iS | 57 12 |
| COL | e(P) | 04 07 01 |
| EUR | eP | 04 03 33 |
| GCA | e(P) | 04 03 00 |
| HHM | eP | 04 04 11 |
| RCD | eP | 04 03 11 |
| SJP | eP | 03 59 55 |
| Aug. 21 | | |
| BCN | e(P) | 05 07 25 |
| BOZ | eP | 05 04 57 |
| | eS | 05 47 |
| BUT | eP | 05 05 04 |
| | eS | 05 48 |
| | eL | 06 12 |
| EUR | iP | 05 05 15 |
| FGU | iP | 05 04 44 |
| | iL | 05 16 |
| GCA | eP | 05 05 31 |
| | i | 05 49 |
| HHM | eP | 05 05 35 |
| | iL | 07 09 |
| RCD | eP | 05 05 37 |
| | e | 06 00 |
| | eL | 07 18 |
| SLC | eP | 05 04 37 |
| | eS | 04 57 |
| | eL | 05 26 |
| Aug. 21 | | |
| BOZ | eP | 05 48 30 |
| Aug. 21 | | |
| EUR | eP | 06 09 53 |
| Aug. 21 | | |
| EUR | eP | 10 02 22 |
| Aug. 21 | | |
| COL | e(P) | 11 12 58 |
| Aug. 21 | | |
| EUR | eP | 12 05 25 |
| FGU | iP | 12 04 54 |
| | iL | 05 26 |
| Aug. 21 | | |
| BOZ | ePKKP | 13 19 08 |
| BUT | eP | 13 03 39 |
| | eP' | 07 02 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| COL | iP | 13 01 48 |
| | ipP | 02 37 |
| | i | 03 09 |
| | eS | 11 52 |
| | ePKKP | 19 49 |
| | eP'P' | 27 45 |
| | eSKPP | 30 56 |
| CSC | eP' | 13 08 35 |
| | ePP | 11 46 |
| EUR | eP | 13 03 42 |
| | iPKKP | 18 58 |
| FGU | eP | 13 04 03 |
| | eP' | 07 36 |
| | i | 07 54 |
| | eSKS | 14 20 |
| | iSKKS | 15 22 |
| GCA | e(P) | 13 06 53 |
| | iPKKP | 18 44 |
| GUA | iP | 12 54 09 |
| HON | eP | 13 01 06 |
| | ipP | 01 52 |
| HHM | iP | 13 03 31 |
| | epP | 04 11 |
| | e | 06 42 |
| | eP' | 07 41 |
| | iPKKP | 19 04 |
| | i | 19 20 |
| KIP | eP | 13 01 08 |
| | epP | 01 49 |
| RCD | eP' | 13 07 57 |
| | ePKKP | 18 35 |
| | i | 18 42 |
| SJP | iP' | 13 09 08 |
| | i | 09 31 |
| | i | 10 19 |
| TUC | eP' | 13 08 02 |
| | ePKKP | 18 35 |
| | i | 18 40 |
| Aug. 21 | | |
| COL | eP | 13 57 20 |
| Aug. 21 | | |
| COL | iP | 16 38 39 |
| Aug. 21 | | |
| COL | e(P) | 16 45 09 |
| EUR | eP | 16 44 52 |
| Aug. 21 | | |
| COL | eP | 17 17 18 |
| | i | 17 43 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| EUR | eP | 17 19 15 |
| SJP | eP' | 17 25 06 |
| Aug. 21 | | |
| BUT | eP | 17 33 24 |
| COL | eP | 17 33 17 |
| | i | 33 49 |
| EUR | eP | 17 32 55 |
| | i | 33 08 |
| GCA | eP | 17 33 07 |
| HHM | eP | 17 33 28 |
| TUC | eP | 17 32 59 |
| | eL | 56 46 |
| Aug. 21 | | |
| EUR | eP | 17 59 36 |
| FGU | iP | 17 58 36 |
| | iL | 58 59 |
| Aug. 21 | | |
| COL | iP | 18 12 19 |
| | ipP | 12 29 |
| EUR | iP | 18 15 39 |
| | ipP | 15 51 |
| | iPcP | 16 08 |
| HHM | iP | 18 15 10 |
| RCD | eP | 18 16 05 |
| | ipP | 16 17 |
| Aug. 21 | | |
| COL | i(P) | 19 17 06 |
| | e | 18 47 |
| Aug. 21 | | |
| EUR | eP | 19 50 12 |
| | e | 51 35 |
| Aug. 21 | | |
| BCN | e(P) | 21 29 52 |
| GCA | iP | 21 29 09 |
| Aug. 21 | | |
| BHP | iP | 21 44 40 |
| | iS | 45 23 |
| COL | eP | 21 55 34 |
| | i | 55 43 |
| EUR | eP | 21 52 27 |
| FGU | e(P) | 21 52 09 |
| GCA | eP | 21 51 52 |
| HHM | eP | 21 52 59 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| RCD | e(P) | 21 51 57 |
| | i | 52 05 |
| SJP | eP | 21 47 51 |
| | e | 48 01 |
| | e | 48 23 |
| TUC | eP | 21 51 34 |
| Aug. 21 | | |
| COL | iP | 22 30 50 |
| | i | 31 41 |
| EUR | iP | 22 33 22 |
| HHM | iP | 22 33 04 |
| Aug. 21 | | |
| BCN | eP | 23 07 49 |
| | eS | 08 32 |
| | eL | 08 45 |
| EUR | iP | 23 08 21 |
| | eL | 09 55 |
| FGU | eL | 23 11 59 |
| GCA | eP | 23 08 17 |
| | iL | 09 57 |
| Aug. 22 | | |
| COL | eP | 02 02 11 |
| EUR | iP | 02 06 05 |
| Aug. 22 | | |
| BCN | e(P) | 02 17 19 |
| EUR | eP | 02 15 29 |
| GCA | eP | 02 14 48 |
| | eL | 17 23 |
| TUC | iP | 02 13 38 |
| | eL | 02 14 55 |
| Aug. 22 | | |
| COL | eP | 08 00 49 |
| EUR | iP | 07 58 30 |
| RCD | eP | 07 57 28 |
| SJP | eP | 07 50 30 |
| | iP | 50 32 |
| | iL | 51 26 |
| TUC | eP | 07 57 52 |
| Aug. 22 | | |
| BCN | iP | 08 09 30 |
| | iS | 09 50 |
| | iL | 09 59 |
| EUR | iP | 08 10 22 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| GCA | eP | 08 10 11 |
| | i | 10 15 |
| | i | 10 52 |
| Aug. 22 | | |
| SLC | eP | 10 12 48 |
| Aug. 22 | | |
| COL | eP | 12 06 59 |
| | i | 07 09 |
| EUR | iP | 12 10 29 |
| HHM | iP | 12 09 58 |
| | i | 12 25 |
| RCD | eP | 12 11 08 |
| Aug. 22 | | |
| COL | eP | 13 54 05 |
| Aug. 22 | | |
| COL | eP | 13 55 51 |
| Aug. 22 | | |
| COL | iP | 15 47 51 |
| Aug. 22 | | |
| HHM | eP | 18 46 43 |
| Aug. 22 | | |
| EUR | iP | 23 45 15 |
| FGU | iP | 23 44 42 |
| | i | 45 13 |
| Aug. 23 | | |
| COL | e(P) | 01 37 11 |
| Aug. 23 | | |
| FGU | eP | 01 53 45 |
| | i | 54 02 |
| Aug. 23 | | |
| EUR | iP | 02 16 12 |
| HHM | iP | 02 16 36 |
| TUT | eP | 02 16 29 |
| Aug. 23 | | |
| COL | eP | 03 21 17 |
| Aug. 23 | | |
| COL | iP | 08 05 04 |
| | i | 05 44 |
| EUR | iP | 08 01 11 |
| FGU | iP | 08 00 52 |
| HHM | e(P) | 08 02 00 |
| TUC | eP | 07 59 59 |
| TUT | eP | 07 59 59 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| Aug. 23 | | h m s |
| FGU | eP | 08 49 49 |
| Aug. 23 | | |
| COL | iP | 09 10 34 |
| | i | 10 43 |
| | i | 11 06 |
| EUR | iP' | 09 17 25 |
| | ePKKP | 27 47 |
| Aug. 23 | | |
| COL | iP | 09 54 12 |
| Aug. 23 | | |
| BUT | eP | 10 12 57 |
| | eL | 13 36 |
| FGU | iP | 10 12 50 |
| | iL | 13 20 |
| HHM | i(P) | 10 14 55 |
| RCD | e(P) | 10 13 53 |
| | eL | 15 01 |
| Aug. 23 | | |
| COL | eP | 11 13 53 |
| Aug. 23 | | |
| COL | eP | 11 41 27 |
| Aug. 23 | | |
| COL | eP | 13 20 24 |
| EUR | iP | 13 20 03 |
| FGU | iP | 13 20 25 |
| TUC | e(P) | 13 20 02 |
| TUT | eP | 13 20 02 |
| Aug. 23 | | |
| COL | iP | 13 45 49 |
| HHM | i(P) | 13 48 08 |
| Aug. 23 | | |
| BCN | eP | 14 21 10 |
| EUR | eP | 14 21 18 |
| FGU | iP | 14 20 51 |
| HHM | iP | 14 21 08 |
| RCD | iP | 14 20 28 |
| TUT | iP | 14 20 54 |
| Aug. 23 | | |
| SJP | iP | 15 35 36 |
| | iL | 35 58 |
| Aug. 23 | | |
| HHM | e(P) | 17 14 12 |
| | eL | 15 47 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| Aug. 23 | | h m s |
| CSC | eP | 19 15 00 |
| Aug. 23 | | |
| COL | e(P) | 21 41 58 |
| FGU | eP | 21 42 00 |
| Aug. 23 | | |
| BCN | eP | 22 56 43 |
| BOZ | eP | 22 57 25 |
| BUT | eP | 22 57 10 |
| COL | iP | 22 57 09 |
| | iS | 23 07 25 |
| EUR | eP | 22 56 57 |
| FGU | iP | 22 57 16 |
| | i | 57 25 |
| GCA | iP | 22 57 09 |
| GUA | eP | 22 53 25 |
| HON | e(P) | 22 52 21 |
| | eS | 58 25 |
| | eL | 23 01 08 |
| HHM | eP | 22 57 17 |
| KIP | eP | 22 52 34 |
| RCD | e(P) | 22 57 47 |
| SLC | eP | 22 57 11 |
| TUC | eP | 22 56 50 |
| | ipP | 57 02 |
| | eL | 23 20 25 |
| TUT | iP | 22 56 50 |
| UKI | e(P) | 22 56 22 |
| | e | 56 28 |
| Aug. 23 | | |
| BHP | e(P) | 23 30 12 |
| Aug. 24 | | |
| BCN | eP | 01 53 50 |
| BOZ | eP | 01 53 15 |
| BUT | eP | 01 53 05 |
| COL | iP | 01 49 27 |
| | i | 49 45 |
| | i | 50 28 |
| | iS | 54 24 |
| CSC | eP | 01 55 45 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| EUR | iP | 01 53 30 |
| | i | 53 50 |
| | iPcP | 54 23 |
| | ePP | 55 25 |
| GCA | eP | 01 54 06 |
| HHM | eP | 01 52 48 |
| KIP | eP | 01 52 30 |
| RCD | eP | 01 53 47 |
| SLC | eP | 01 53 47 |
| SIT | eP | 01 50 44 |
| | e | 50 49 |
| | e(S) | 52 04 |
| TUC | eP | 01 54 26 |
| | i | 54 40 |
| TUT | eP | 01 54 35 |
| | i | 54 40 |
| UKI | eP | 01 53 10 |
| | e | 53 27 |
| Aug. 24 | | |
| FGU | eP | 02 14 51 |
| Aug. 24 | | |
| BCN | e(P) | 02 45 47 |
| EUR | eP | 02 46 42 |
| GCA | eP | 02 46 14 |
| TUC | eP | 02 45 38 |
| | e | 45 59 |
| | eL | 46 52 |
| TUT | eP | 02 45 41 |
| | i | 46 00 |
| | iL | 46 44 |
| Aug. 24 | | |
| COL | eP | 03 24 41 |
| Aug. 24 | | |
| COL | eP | 04 39 21 |
| | ipP | 39 32 |
| EUR | iP | 04 40 29 |
| GUA | eP | 04 31 31 |
| Aug. 24 | | |
| BUT | eP | 06 01 38 |
| COL | iP | 06 01 42 |
| | ipP | 01 55 |
| | isP | 02 04 |
| | iS | 12 16 |
| EUR | iP | 06 01 13 |
| | i | 01 23 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| FGU | iP | 06 01 35 |
| GCA | iP | 06 01 18 |
| GUA | iP | 05 58 14 |
| HHM | eP | 06 01 40 |
| KIP | eP | 05 57 09 |
| RCD | eP | 06 02 07 |
| SLC | eP | 06 01 26 |
| TUC | iP | 06 01 07 |
| | i | 01 14 |
| | eL | 25 09 |
| TUT | iP | 06 01 08 |
| Aug. 24 | | |
| BHP | e(P) | 06 44 59 |
| EUR | iP | 06 52 51 |
| RCD | eP | 06 54 30 |
| Aug. 24 | | |
| COL | e(P) | 07 30 10 |
| Aug. 24 | | |
| COL | iP | 09 45 39 |
| Aug. 24 | | |
| EUR | iP | 09 54 05 |
| FGU | e(P) | 09 53 34 |
| Aug. 24 | | |
| EUR | eP | 11 08 37 |
| Aug. 24 | | |
| COL | iP | 12 10 15 |
| Aug. 24 | | |
| COL | eP | 13 04 07 |
| | i | 04 28 |
| EUR | eP | 13 07 21 |
| Aug. 24 | | |
| EUR | eP | 13 14 37 |
| TUT | eP | 13 13 41 |
| Aug. 24 | | |
| COL | eP | 14 56 48 |
| Aug. 24 | | |
| COL | iP | 19 39 43 |
| | ipP | 40 13 |
| HHM | ePP | 19 45 55 |
| Aug. 24 | | |
| COL | iP | 20 31 50 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 24 | | |
| COL | iP | 22 30 25 |
| Aug. 25 | | |
| COL | iP | 00 28 17 |
| Aug. 25 | | |
| EUR | iP | 01 12 16 |
| FGU | eP | 01 12 10 |
| TUC | eP | 01 12 32 |
| TUT | eP | 01 12 33 |
| Aug. 25 | | |
| COL | e(P) | 02 00 30 |
| EUR | e(P) | 02 00 07 |
| FGU | e(P) | 02 00 35 |
| Aug. 25 | | |
| EUR | iP | 06 10 31 |
| COL | eP | 06 14 22 |
| Aug. 25 | | |
| EUR | iP | 06 21 47 |
| FGU | eP | 06 21 36 |
| GCA | eP | 06 21 23 |
| TUC | eP | 06 21 06 |
| TUT | eP | 06 21 00 |
| Aug. 25 | | |
| COL | iP | 08 47 27 |
| | ipP | 47 45 |
| EUR | iP | 08 50 26 |
| HHM | iP | 08 49 59 |
| Aug. 25 | | |
| GCA | eP | 08 52 34 |
| TUC | e(P) | 08 52 11 |
| Aug. 25 | | |
| EUR | e(P) | 09 08 23 |
| FGU | eP | 09 08 13 |
| Aug. 25 | | |
| COL | eP | 09 13 14 |
| Aug. 25 | | |
| RCD | e(P) | 09 55 32 |
| | e | 56 56 |
| Aug. 25 | | |
| COL | e(P) | 09 58 29 |
| | i | 09 58 40 |
| | i | 59 16 |
| | i | 59 39 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 25 | | |
| COL | iP | 10 03 17 |
| EUR | eP | 10 02 33 |
| FGU | e(P) | 10 02 38 |
| Aug. 25 | | |
| EUR | iP | 12 14 30 |
| HHM | e(P) | 12 14 55 |
| Aug. 25 | | |
| FGU | eP | 13 35 04 |
| Aug. 25 | | |
| FGU | iP | 14 23 56 |
| Aug. 25 | | |
| TUT | iP | 16 50 24 |
| | iL | 50 42 |
| Aug. 25 | | |
| CSC | eP | 17 22 05 |
| Aug. 25 | | |
| BCN | eP | 17 29 35 |
| COL | e(P) | 17 32 58 |
| FGU | iP | 17 29 41 |
| HHM | eP | 17 30 36 |
| SLC | eP | 17 29 48 |
| SJP | eP | 17 26 16 |
| TUT | eP | 17 28 57 |
| | i | 29 10 |
| Aug. 25 | | |
| CSC | eP | 17 37 50 |
| Aug. 25 | | |
| BCN | eP | 17 49 44 |
| | e | 50 08 |
| BOZ | eP | 17 49 16 |
| COL | eP | 17 45 50 |
| | i | 45 52 |
| | iS | 49 15 |
| CSC | eP | 17 52 23 |
| EUR | eP | 17 49 21 |
| FGU | iP | 17 49 45 |
| | i | 52 55 |
| | i | 53 09 |
| GCA | eP | 17 51 57 |
| HON | eP | 17 48 28 |
| | eS | 53 37 |
| | eL | 56 14 |

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| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| HHM | iP | | 17 48 48 |
| | iPcP | | 51 23 |
| RCD | iP | | 17 50 00 |
| | i | | 50 13 |
| | ePcP | | 52 00 |
| SLC | eP | | 17 49 34 |
| SJP | eP | | 17 54 24 |
| SIT | eP | | 17 46 33 |
| TUC | eP | | 17 50 23 |
| | eL | | 18 04 07 |
| TUT | iP | | 17 50 23 |
| UKI | iP | | 17 48 51 |
| | e | | 49 29 |
| Aug. 25 | | | |
| EUR | eP | | 23 15 03 |
| GCA | eP | | 23 14 45 |
| Aug. 25 | | | |
| COL | i(P) | | 23 51 28 |
| | i | | 51 39 |
| | i | | 52 05 |
| Aug. 26 | | | |
| BCN | e(P) | | 00 26 34 |
| BUT | eP | | 00 27 12 |
| EUR | iP | | 00 26 51 |
| FGU | iP | | 00 26 44 |
| GCA | eP | | 00 26 33 |
| TUT | iP | | 00 26 08 |
| Aug. 26 | | | |
| BUT | eP | | 01 23 35 |
| EUR | iP | | 01 23 50 |
| | eL | | 25 05 |
| FGU | eP | | 01 23 13 |
| | i | | 23 14 |
| | iL | | 23 43 |
| HHM | e(P) | | 01 24 13 |
| | eL | | 25 40 |
| RCD | eP | | 01 24 34 |
| SLC | eP | | 01 23 12 |
| | eS | | 23 38 |
| Aug. 26 | | | |
| EUR | eP | | 01 36 22 |
| FGU | eP | | 01 36 15 |
| HHM | e(P) | | 01 36 51 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| Aug. 26 | | | |
| EUR | iP | | 04 51 13 |
| Aug. 26 | | | |
| HHM | i(P) | | 05 46 04 |
| Aug. 26 | | | |
| COL | iP | | 07 22 04 |
| EUR | eP' | | 07 28 54 |
| Aug. 26 | | | |
| COL | iP | | 09 29 17 |
| EUR | iP | | 09 32 14 |
| | e | | 36 48 |
| FGU | eP | | 09 32 31 |
| | e | | 36 43 |
| HHM | iP | | 09 31 50 |
| RCD | eP | | 09 32 38 |
| Aug. 26 | | | |
| COL | iP | | 09 57 17 |
| Aug. 26 | | | |
| EUR | iP | | 11 46 41 |
| TUT | eP | | 11 45 57 |
| Aug. 26 | | | |
| EUR | iP' | | 12 06 19 |
| FGU | eP' | | 12 06 27 |
| Aug. 26 | | | |
| COL | iP | | 12 27 40 |
| Aug. 26 | | | |
| COL | eP | | 12 35 44 |
| EUR | e(P) | | 12 38 15 |
| BUT | eP | | 12 39 42 |
| HHM | iP | | 12 37 53 |
| Aug. 26 | | | |
| EUR | eP | | 15 08 22 |
| Aug. 26 | | | |
| TUT | eP | | 15 29 44 |
| Aug. 26 | | | |
| EUR | eP | | 16 08 28 |
| FGU | eP | | 16 08 25 |
| TUT | iP | | 16 07 15 |
| Aug. 26 | | | |
| BCN | eP | | 18 40 13 |
| BOZ | eP | | 18 40 38 |
| BUT | eP | | 18 40 32 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| COL | iP | | 18 39 52 |
| | i | | 44 39 |
| | i(S) | | 50 20 |
| EUR | iP | | 18 40 13 |
| | iPP | | 43 45 |
| | e(PKKP) | | 58 18 |
| | eP'P' | | 19 06 00 |
| FGU | iP | | 18 40 36 |
| | ePKKP | | 57 33 |
| GCA | iP | | 18 40 26 |
| HHM | iP | | 18 40 30 |
| | eP'P' | | 19 05 32 |
| SLC | eP | | 18 40 29 |
| SJP | iP' | | 18 46 23 |
| SIT | iP | | 18 39 52 |
| TUC | eP | | 18 40 21 |
| TUT | iP | | 18 40 22 |
| UKI | iP | | 18 39 46 |
| Aug. 26 | | | |
| COL | iP | | 19 01 39 |
| Aug. 26 | | | |
| COL | iP | | 19 17 14 |
| EUR | i(P) | | 19 18 43 |
| Aug. 26 | | | |
| EUR | eP | | 19 29 58 |
| Aug. 26 | | | |
| COL | eP | | 20 56 39 |
| Aug. 26 | | | |
| COL | iP | | 23 03 17 |
| Aug. 26 | | | |
| GCA | iP | | 23 35 25 |
| Aug. 27 | | | |
| FGU | iP | | 00 21 13 |
| | iL | | 21 45 |
| SLC | eP | | 00 20 42 |
| | eS | | 20 57 |
| | eL | | 21 17 |
| Aug. 27 | | | |
| FGU | eL | | 04 11 18 |
| GCA | iP | | 04 08 46 |
| | iL | | 09 43 |
| Aug. 27 | | | |
| COL | e(P) | | 05 38 00 |
| EUR | eP | | 05 41 09 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| FGU | e(P) | | 05 41 34 |
| HHM | e(P) | | 05 40 37 |
| TUC | eP | | 05 42 12 |
| | e | | 42 24 |
| TUT | eP | | 05 42 12 |
| | e | | 42 24 |
| Aug. 27 | | | |
| FGU | eP | | 06 32 24 |
| Aug. 27 | | | |
| COL | iP | | 10 29 30 |
| FGU | eP | | 10 30 50 |
| HHM | iP | | 10 30 18 |
| Aug. 27 | | | |
| COL | i(P) | | 10 31 48 |
| HHM | iP | | 10 32 50 |
| Aug. 27 | | | |
| COL | eP | | 12 42 55 |
| Aug. 27 | | | |
| COL | iP | | 13 03 41 |
| | ipP | | 05 45 |
| EUR | iP | | 13 03 21 |
| FGU | iP | | 13 03 44 |
| TUC | iP | | 13 03 21 |
| | e | | 03 45 |
| TUT | iP | | 13 03 21 |
| Aug. 27 | | | |
| EUR | iP | | 14 23 44 |
| Aug. 27 | | | |
| TUC | iP | | 15 44 30 |
| | iL | | 44 52 |
| TUT | iP | | 15 44 28 |
| | iL | | 44 46 |
| Aug. 27 | | | |
| COL | iP | | 16 11 06 |
| Aug. 27 | | | |
| BUT | eP | | 16 52 46 |
| EUR | iP | | 16 52 27 |
| FGU | iP | | 16 51 55 |
| | iL | | 52 26 |
| Aug. 27 | | | |
| BCN | eP | | 18 26 32 |
| | epP | | 27 11 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BOZ | eP | 18 26 04 |
| | epP | 26 42 |
| BUT | eP | 18 25 55 |
| | epP | 26 32 |
| COL | iP | 18 22 36 |
| | iPP | 27 43 |
| CSC | eP | 18 28 22 |
| EUR | iP | 18 26 12 |
| | ipP | 26 50 |
| | ePcP | 27 02 |
| | isP | 27 22 |
| | iPP | 28 25 |
| | ipPP | 28 59 |
| | iPPP | 29 40 |
| | i | 30 05 |
| | eP'P' | 55 24 |
| FGU | iP | 18 26 29 |
| | ipP | 27 06 |
| | eP'P' | 55 16 |
| GCA | iP | 18 26 39 |
| HHM | iP | 18 25 38 |
| | ipP | 26 17 |
| | eScP | 30 16 |
| RCD | iP | 18 26 36 |
| | ipP | 27 14 |
| | iS | 35 04 |
| | eP'P' | 55 09 |
| SLC | eP | 18 26 21 |
| | epP | 27 00 |
| TUC | iP | 18 27 03 |
| | epP | 27 43 |
| | eP'P' | 55 08 |
| TUT | iP | 18 27 03 |
| | ipP | 27 39 |
| | iP'P' | 55 08 |
| Aug. 27 | | |
| COL | e(P) | 19 38 17 |
| Aug. 27 | | |
| TUC | iP | 21 56 18 |
| | iL | 56 36 |
| TUT | iP | 21 56 18 |
| | iL | 56 36 |
| Aug. 27 | | |
| FGU | e(P) | 22 08 48 |
| Aug. 27 | | |
| HON | e(P) | 22 29 33 |
| Aug. 27 | | |
| FGU | iP | 23 03 02 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Aug. 28 | | |
| EUR | eP | 00 16 21 |
| | e | 16 41 |
| Aug. 28 | | |
| COL | iP | 00 36 43 |
| FGU | eP | 00 36 36 |
| GCA | iP | 00 36 20 |
| TUC | iP | 00 36 10 |
| TUT | iP | 00 36 11 |
| Aug. 28 | | |
| FGU | e(P) | 02 33 38 |
| Aug. 28 | | |
| FGU | eP | 03 02 27 |
| Aug. 28 | | |
| BCN | eP | 05 01 27 |
| Aug. 28 | | |
| TUC | eP | 05 44 40 |
| | e | 44 47 |
| | eL | 45 26 |
| TUT | e(P) | 05 44 40 |
| | eL | 45 29 |
| Aug. 28 | | |
| FGU | eP | 06 02 02 |
| Aug. 28 | | |
| BHP | iP | 06 06 52 |
| | iS | 08 06 |
| BCN | eP | 06 13 20 |
| BOZ | eP | 06 14 03 |
| BUT | eP | 06 14 07 |
| COL | iP | 06 17 03 |
| CSC | eP | 06 11 23 |
| EUR | iP | 06 13 43 |
| | e | 14 08 |
| FGU | iP | 06 13 23 |
| | e | 16 26 |
| GCA | eP | 06 13 09 |
| HHM | iP | 06 14 23 |
| RCD | eP | 06 13 23 |
| | i | 13 28 |
| SJP | iP | 06 10 07 |
| | e | 11 20 |
| TUC | eP | 06 12 39 |
| | i | 13 03 |
| | eL | 24 24 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUT | iP | 06 12 39 |
| | i | 12 45 |
| Aug. 28 | | |
| COL | iP | 07 48 50 |
| Aug. 28 | | |
| FGU | e(P) | 08 38 09 |
| Aug. 28 | | |
| BHP | iP | 12 14 36 |
| EUR | eP | 12 20 48 |
| FGU | iP | 12 20 31 |
| HHM | e(P) | 12 21 31 |
| TUC | e(P) | 12 19 43 |
| Aug. 28 | | |
| COL | iP | 15 28 27 |
| HHM | iP | 15 30 40 |
| EUR | eP | 15 30 56 |
| Aug. 28 | | |
| RCD | e(P) | 18 09 49 |
| | e | 09 59 |
| Aug. 28 | | |
| TUC | eP | 18 45 47 |
| | e | 46 12 |
| | eL | 19 21 34 |
| Aug. 28 | | |
| BHP | iP | 19 04 00 |
| | iS | 05 45 |
| EUR | e(P) | 19 10 13 |
| FGU | iP | 19 09 56 |
| GCA | eP | 19 09 40 |
| HHM | e(P) | 19 11 09 |
| TUT | eP | 19 09 08 |
| Aug. 28 | | |
| COL | eP | 20 40 50 |
| EUR | i(P) | 20 44 21 |
| Aug. 28 | | |
| EUR | eP | 21 10 01 |
| Aug. 28 | | |
| FGU | iP | 22 09 54 |
| HHM | e(P) | 22 09 56 |
| TUC | eP | 22 09 18 |
| TUT | eP | 22 09 18 |

| Date and Station | | Phase (GCT) |
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| | | h m s |
| Aug. 28 | | |
| FGU | eP | 23 09 54 |
| Aug. 28 | | |
| EUR | iP | 23 38 58 |
| | i | 39 12 |
| FGU | e(P) | 23 39 14 |
| HHM | e(P) | 23 38 21 |
| RCD | eP | 23 39 22 |
| | e | 39 35 |
| Aug. 29 | | |
| FGU | eP | 02 01 37 |
| Aug. 29 | | |
| FGU | e(P) | 02 55 59 |
| Aug. 29 | | |
| BHP | iP | 04 55 43 |
| | eS | 57 44 |
| COL | e(P) | 05 05 36 |
| EUR | eP | 05 01 56 |
| | ePP | 03 27 |
| GCA | eP | 05 01 22 |
| HHM | eP | 05 02 39 |
| RCD | eP | 05 01 59 |
| SJP | eP | 04 58 53 |
| TUC | e(P) | 05 00 58 |
| | e | 01 10 |
| | eL | 13 16 |
| TUT | eP | 05 00 49 |
| | ePP | 02 28 |
| Aug. 29 | | |
| COL | iP | 07 03 00 |
| Aug. 29 | | |
| COL | iP | 08 11 15 |
| EUR | iP | 08 14 39 |
| HHM | eP | 08 14 08 |
| Aug. 29 | | |
| BHP | iP | 09 15 04 |
| | iS | 15 34 |
| Aug. 29 | | |
| TUT | eP | 10 41 23 |
| Aug. 29 | | |
| COL | iP | 11 59 26 |
| EUR | iP | 12 00 27 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| Aug. 29 | | |
| GUA | iP | 14 51 47 |
| | iS | 51 58 |
| Aug. 29 | | |
| TUT | iP | 15 32 13 |
| | iL | 32 31 |
| Aug. 29 | | |
| COL | iP | 16 34 41 |
| | ipP | 35 07 |
| Aug. 29 | | |
| SLC | eP | 16 28 50 |
| | eS | 29 13 |
| | eL | 29 30 |
| Aug. 29 | | |
| COL | e(P) | 18 12 43 |
| HHM | eP | 18 13 31 |
| RCD | eP | 18 13 23 |
| Aug. 29 | | |
| BCN | e(P) | 19 09 45 |
| Aug. 29 | | |
| BCN | e(P) | 19 48 37 |
| Aug. 30 | | |
| EUR | eP | 00 26 40 |
| Aug. 30 | | |
| EUR | e(P) | 00 38 06 |
| Aug. 30 | | |
| HHM | e(P) | 00 52 23 |
| Aug. 30 | | |
| COL | iP | 03 35 19 |
| HHM | eP | 03 34 31 |
| Aug. 30 | | |
| COL | iP | 05 56 36 |
| EUR | e(P) | 05 55 43 |
| Aug. 30 | | |
| EUR | eP | 06 01 55 |
| Aug. 30 | | |
| TUT | e(P) | 06 38 49 |
| | e | 38 56 |
| Aug. 30 | | |
| BHP | eP | 06 53 32 |
| | eS | 07 00 10 |
| BCN | eP | 06 55 00 |
| BOZ | eP | 06 56 04 |
| COL | eP | 06 58 11 |
| CSC | eP | 06 55 42 |
| EUR | iP | 06 55 24 |
| | e(PP) | 57 35 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| FGU | iP | 06 55 35 |
| HON | eS | 07 07 28 |
| | eL | 12 37 |
| HHM | iP | 06 56 21 |
| RCD | iP | 06 55 59 |
| SLC | eP | 06 55 32 |
| TUC | iP | 06 54 33 |
| | eL | 07 10 50 |
| TUT | iP | 06 54 33 |
| Aug. 30 | | |
| FGU | e(P) | 07 04 18 |
| Aug. 30 | | |
| EUR | i(P) | 08 50 24 |
| Aug. 30 | | |
| HHM | e(P) | 08 54 18 |
| Aug. 30 | | |
| COL | iP | 08 54 00 |
| EUR | iP | 08 57 54 |
| FGU | eP | 08 58 12 |
| RCD | eP | 08 58 19 |
| Aug. 30 | | |
| COL | eP | 10 24 15 |
| Aug. 30 | | |
| BHP | iP | 11 18 30 |
| | iS | 18 58 |
| Aug. 30 | | |
| EUR | e(P) | 11 35 38 |
| FGU | e(P) | 11 35 09 |
| Aug. 30 | | |
| HHM | eP | 15 39 57 |
| Aug. 30 | | |
| COL | eP | 15 57 18 |
| | i | 57 29 |
| Aug. 30 | | |
| TUT | iP | 16 30 18 |
| | iL | 30 23 |
| Aug. 30 | | |
| SLC | eP | 16 49 07 |
| | eS | 49 25 |
| Aug. 30 | | |
| BCN | eL | 17 54 45 |
| TUT | e(P) | 17 52 31 |
| | e | 52 40 |
| | eL | 53 31 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| Aug. 30 | | |
| EUR | iP | 19 18 53 |
| TUC | eP | 19 18 52 |
| TUT | eP | 19 18 52 |
| Aug. 30 | | |
| EUR | e(P) | 20 12 26 |
| Aug. 30 | | |
| EUR | e(P) | 20 25 21 |
| Aug. 30 | | |
| HHM | eP | 20 38 56 |
| Aug. 30 | | |
| COL | eP | 22 45 48 |
| Aug. 31 | | |
| SLC | eP | 00 01 50 |
| Aug. 31 | | |
| SLC | eP | 00 04 36 |
| | eS | 04 55 |
| FGU | iP | 00 05 11 |
| | iL | 05 41 |
| Aug. 31 | | |
| FGU | e(P) | 00 14 07 |
| Aug. 31 | | |
| EUR | e(P) | 03 03 47 |
| Aug. 31 | | |
| EUR | eP | 03 51 24 |
| FGU | eP | 03 51 20 |
| HHM | iP | 03 52 25 |
| Aug. 31 | | |
| COL | iP | 04 35 44 |
| Aug. 31 | | |
| BUT | eP' | 05 55 51 |
| COL | iP' | 05 56 42 |
| EUR | iP' | 05 55 43 |
| FGU | iP' | 05 55 40 |
| GCA | eP' | 05 55 26 |
| HHM | iP' | 05 55 53 |
| TUC | eP' | 05 55 28 |
| TUT | eP' | 05 55 28 |
| Aug. 31 | | |
| FGU | eP | 06 05 45 |
| Aug. 31 | | |
| FGU | iP | 06 08 52 |
| | iL | 09 24 |

| Date and Station | Phase | (GCT) |
|---|---|---|
| | | h m s |
| GCA | eP | 06 08 49 |
| | iL | 09 25 |
| Aug. 31 | | |
| TUT | iP | 07 25 30 |
| | e | 25 46 |
| Aug. 31 | | |
| BCN | eP | 07 25 56 |
| COL | eP | 07 29 08 |
| CSC | eP | 07 26 41 |
| EUR | iP | 07 26 21 |
| FGU | eP | 07 26 31 |
| GCA | eP | 07 26 03 |
| HON | eS | 07 44 14 |
| | eL | 48 00 |
| HHM | eP | 07 27 16 |
| RCD | eP | 07 26 55 |
| SLC | eP | 07 26 28 |
| TUC | eP | 07 25 28 |
| | eL | 41 52 |
| Aug. 31 | | |
| BHP | eP | 07 31 11 |
| | eS | 37 49 |
| Aug. 31 | | |
| EUR | iP | 09 28 09 |
| Aug. 31 | | |
| EUR | iP | 11 40 04 |
| | ipP | 40 13 |
| | ePP | 43 37 |
| FGU | eP | 11 39 58 |
| | i | 40 07 |
| GCA | eP | 11 39 35 |
| HHM | eP | 11 40 42 |
| | ePP | 44 33 |
| TUC | eP | 11 39 22 |
| TUT | iP | 11 39 22 |
| | i | 39 32 |
| Aug. 31 | | |
| EUR | iP | 12 02 58 |
| HHM | e(P) | 12 03 53 |
| Aug. 31 | | |
| EUR | eP | 13 54 17 |
| Aug. 31 | | |
| COL | e(P) | 17 04 13 |

| Date and Station | Phase (GCT) | Date and Station | Phase (GCT) | Date and Station | Phase (GCT) | Date and Station | Phase (GCT) |
|---|---|---|---|---|---|---|---|
| | h m s | | h m s | | h m s | | h m s |
| Aug. 31 | | | | | | | |
| COL eP | 17 33 57 | | | | | | |
| GUA eP | 17 27 04 | | | | | | |
| Aug. 31 | | | | | | | |
| BCN eP | 18 17 46 | | | | | | |
| GCA iP | 18 17 11 | | | | | | |
| TUT e(P) | 18 15 38 | | | | | | |
| i | 15 52 | | | | | | |
| iL | 16 31 | | | | | | |
| Aug. 31 | | | | | | | |
| FGU e(P) | 18 21 22 | | | | | | |
| Aug. 31 | | | | | | | |
| TUT e(P) | 18 25 44 | | | | | | |
| i | 25 56 | | | | | | |
| iL | 26 50 | | | | | | |
| Aug. 31 | | | | | | | |
| FGU eP | 18 30 54 | | | | | | |
| Aug. 31 | | | | | | | |
| FGU e(P) | 21 12 07 | | | | | | |
| Aug. 31 | | | | | | | |
| EUR eP | 22 36 16 | | | | | | |
| Aug. 31 | | | | | | | |
| FGU eP | 22 13 23 | | | | | | |
| Aug. 31 | | | | | | | |
| COL iP | 22 23 40 | | | | | | |
| EUR iP | 22 25 27 | | | | | | |
| HHM eP | 22 24 46 | | | | | | |

| Date and Station | Phase (GCT) |
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| | h m s |
| **Local and Minor Earthquakes** | |
| **August** | |
| BOZ | |
| 8 | 01.0 |
| 19 | 08.1 |
| BUT | |
| 1 | 06.5 |
| 15 | 13.2 |
| | 23.2 |
| 17 | 17.6 |
| | 17.8 |
| 19 | 08.1 |
| 21 | 05.8 |
| | 16.4 |
| | 19.4 |
| 29 | 12.1 |
| 30 | 06.0 |
| COL | |
| 15 | 10.9 |
| | 21.7 |
| 18 | 00.2 |
| | 08.3 |
| | 15.8 |
| | 15.9 |
| 19 | 06.1 |
| | 12.1 |
| 20 | 01.9 |
| | 06.4 |
| 22 | 14.5 |
| 23 | 19.1 |
| 25 | 18.8 |
| 26 | 05.7 |
| 27 | 19.8 |
| 29 | 07.1 |
| | 10.1 |
| 30 | 05.9 |
| 31 | 04.6 |
| EUR | |
| 1 | 17.7 |
| 2 | 06.4 |
| 7 | 22.5 |
| 11 | 05.7 |
| | 11.6 |
| 14 | 22.5 |
| 15 | 10.5 |
| 16 | 05.5 |
| | 10.0 |
| 17 | 03.8 |
| 19 | 01.3 |
| 21 | 08.5 |
| | 06.5 |
| | 17.7 |
| | 22.3 |
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| 22 | 08.2 |
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| | 23.8 |
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| | 22.5 |

| Date and Station | Phase (GCT) |
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| | h m s |
| 24 | 00.8 |
| | 14.5 |
| 26 | 10.1 |
| 28 | 00.8 |
| | 13.2 |
| | 21.1 |
| 29 | 19.7 |
| | 22.3 |
| 30 | 06.6 |
| 31 | 00.3 |
| | 06.2 |
| | 22.4 |
| FGU | |
| 1 | 04.4 |
| | 22.1 |
| 2 | 18.8 |
| 3 | 07.9 |
| 5 | 01.0 |
| 8 | 11.2 |
| 10 | 06.2 |
| 11 | 11.8 |
| 14 | 02.7 |
| | 10.3 |
| 17 | 22.3 |
| 20 | 05.9 |
| | 06.2 |
| | 07.9 |
| | 09.8 |
| | 13.1 |
| | 13.3 |
| | 14.8 |
| | 15.5 |
| | 16.2 |
| | 16.5 |
| | 18.7 |
| | 19.2 |
| | 20.1 |
| | 23.7 |
| 22 | 01.7 |
| | 11.0 |
| | 18.1 |
| 23 | 05.3 |
| 24 | 23.9 |
| 25 | 05.8 |
| | 19.8 |
| 26 | 03.6 |
| | 18.1 |
| 27 | 10.8 |
| 31 | 02.2 |
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| GCA | |
| 1 | 00.8 |
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| 10 | 17.8 |
| 13 | 22.3 |
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| 29 | 04.0 |

| Date and Station | Phase (GCT) |
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| | h m s |
| SJP | |
| 3 | 09.3 |
| 4 | 17.1 |
| 5 | 08.9 |
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| 10 | 02.1 |
| 11 | 04.7 |
| | 07.5 |
| 12 | 19.4 |
| 14 | 05.7 |
| 15 | 23.6 |
| 16 | 08.1 |
| | 10.0 |
| 17 | 18.3 |
| 18 | 01.6 |
| | 02.4 |
| | 07.4 |
| 19 | 22.1 |
| | 22.9 |
| 22 | 21.7 |
| 25 | 02.1 |
| | 08.3 |
| | 10.5 |
| 27 | 10.7 |
| 28 | 16.5 |
| 29 | 06.9 |
| SIT | |
| 15 | 19.7 |
| 28 | 02.5 |
| 31 | 14.2 |
| SLC | |
| 18 | 20.6 |
| 21 | 18.0 |
| TUC | |
| 2 | 07.9 |
| | 08.0 |
| 3 | 08.1 |
| 6 | 02.0 |
| 7 | 12.6 |
| 8 | 06.5 |
| | 13.6 |
| 9 | 02.5 |
| 12 | 05.6 |
| 13 | 07.0 |
| 14 | 00.1 |
| | 02.5 |
| | 03.5 |
| | 17.0 |
| | 23.5 |
| 15 | 07.3 |
| 16 | 02.0 |
| 17 | 03.6 |
| | 04.0 |
| | 04.1 |
| | 05.6 |
| | 06.4 |
| | 12.3 |
| 18 | 01.3 |
| | 10.4 |
| 20 | 23.5 |
| 21 | 02.7 |
| 23 | 08.2 |
| 24 | 10.2 |

| Date and Station | Phase (GCT) |
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| | h m s |
| 27 | 04.1 |
| | 22.9 |
| 28 | 13.9 |
| 30 | 05.3 |
| | 17.9 |
| 31 | 11.3 |
| | 18.2 |
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| UKI | |
| 10 | 11.5 |
| 16 | 19.8 |
| 18 | 15.9 |

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