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# SEISMOLOGICAL BULLETIN

May, 1959

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COAST & GEODETIC SURVEY
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U. S. DEPARTMENT OF COMMERCE

Frederick H. Mueller, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

FOR OFFICIAL DISTRIBUTION

# National Oceanic and Atmospheric Administration

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1959

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

**Balboa Heights, C. Z. (BH)
The Panama Canal Co.
*Boulder City, Nev. (BC)
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. (COLU)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
Guam, M. I. (GUAM)
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
Kipapa, T. H. (KIP)
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHIL)
The Franklin Institute
**Rapid City, S. D. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
*Thule, Greenland (THULE)
U. S. Army Ionosphere Station
Tucson, Ariz. (TUC)
Tucson, Ariz. Telemeter (TUC-T)
Ukiah, Calif. (UK)
International Latitude Observatory
Washington, D. C. (WASH)

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the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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

| Date 1959 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth, and Remarks |
|---|---|---|---|---|
| May | h m s | ° | ° | |
| 1 | 05 53 26* | 45½ N. | 104 E. | Outer Mongolia. |
| 1 | 07 19 16* | 3½ S. | 135½ E. | Western New Guinea. |
| 1 | 08 23 57* | 36½ N. | 52 W. | Near north coast of Iran. |
| 1 | 14 56 57* | 5 S. | 154 E. | Solomon Islands region. Felt at Londolovit and Rabaul. h about 60 km. |
| 2 | 05 25 33* | 32 N. | 136½ E. | South of Honshu, Japan. |
| 3 | 03 01 38* | 10½ S. | 161½ E. | Solomon Islands. |
| 3 | 04 41 24* | 12½ N. | 87½ W. | Near coast of Nicaragua. Felt at San Vicente, El Salvador. h about 100 km. |
| 3 | 07 26 22* | 37½ N. | 141 E. | Near east coast of Honshu, Japan. h about 100 km. |
| 3 | 18 32 58** | | | Sunda Strait. |
| 4 | 03 17 34* | 23½ N. | 123 E. | Off east coast of Formosa. |
| 4 | 07 15 42* | 52½ N. | 159½ E. | Near east coast of Kamchatka. 1 killed and 13 injured. h about 60 km. Mag. 8. |
| 4 | 15 16 30** | | | Solomon Islands. |
| 4 | 17 18 33* | 29 N. | 92 E. | Tibet. |
| 4 | 22 44 00** | | | Fiji Islands. |
| 5 | 05 30 15* | 9 S. | 78½ W. | Near coast of Peru. |
| 5 | 11 40 08* | 34½ N. | 71½ E. | Afghanistan. |
| 5 | 19 04 16* | 53 N. | 159 E. | Kamchatka aftershock. Mag. 6. |
| 6 | 07 44 25* | 51½ N. | 176 W. | Andreanof Islands, Aleutian Islands. |
| 6 | 17 29 26* | 18 S. | 179 W. | Fiji Islands. h about 600 km. |
| 6 | 18 52 22* | 3 S. | 128 E. | Ceram Island. |
| 7 | 00 03 24* | 3½ S. | 148½ E. | Bismarck Sea. Mag. 6 - 6¼. |
| 7 | 09 03 46* | 3½ S. | 149½ E. | Bismarck Sea. |
| 7 | 11 17 16* | 3½ S. | 150 E. | do. |
| 7 | 18 10 49** | | | North Atlantic Ocean, near 19 N., 45 W. |
| 7 | 20 22 41* | 8½ S. | 123½ E. | Flores Islands. |
| 8 | 05 15 17* | 26½ N. | 127½ E. | Ryukyu Islands. |
| 8 | 06 46 18* | 53½ N. | 159½ E. | Near east coast of Kamchatka. |
| 8 | 11 34 50* | 53½ N. | 160½ E. | Near east coast of Kamchatka. h about 60 km. Mag. 6. |
| 8 | 15 28 58* | 45½ N. | 150½ E. | Kurile Islands. |
| 8 | 22 13 44* | 51 N. | 175 W. | Andreanof Islands, Aleutian Islands. |
| 9 | 08 42 07* | 5½ S. | 146 E. | Near north coast of New Guinea. Felt at Chuave. |
| 9 | 12 46 22* | 52½ N. | 168½ W. | Fox Islands, Aleutian Islands. |
| 9 | 23 57 03* | 45 N. | 149 E. | Kurile Islands. |
| 10 | 09 44 02* | 48½ N. | 148 E. | Sea of Okhotsk. h about 400 km. |
| 10 | 10 49 08* | 44½ N. | 150 E. | Kurile Islands. |
| 10 | 22 58 22* | 19 S. | 178 W. | Fiji Islands. h about 600 km. |

| Date 1959 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth, and Remarks |
|---|---|---|---|---|
| May | h m s | ° | ° | |
| 11 | 16 28 49* | 53½ N. | 160 E. | Kamchatka. Slightly deeper than normal. |
| 12 | 00 35 46* | 32½ N. | 79 E. | Tibet-India border. |
| 12 | 03 42 47* | 7½ N. | 77 W. | Panama-Colombia border. |
| 12 | 04 57 35* | 54½ N. | 168 E. | Komandorskie Islands. Mag. 6½. |
| 12 | 08 06 01* | 9½ S. | 159 E. | Solomon Islands. h about 100 km. |
| 12 | 09 46 51* | 23½ S. | 64½ W. | Salta Province, Argentina. Mag. 6-3/4. |
| 12 | 10 14 00* | 20½ S. | 63½ W. | Bolivia. |
| 12 | 17 56 07* | 18 S. | 174 W. | Tonga Islands. |
| 12 | 21 40 22* | 51½ N. | 177 W. | Andreanof Islands, Aleutian Islands. |
| 12 | 21 59 56* | 51½ N. | 177 W. | Andreanof Islands, Aleutian Islands. Mag. 6. |
| 13 | 00 48 54* | 22 S. | 179½ E. | South of Fiji Islands. h about 550 km. |
| 13 | 01 00 49* | 17 S. | 75 E. | Fiji Islands region. |
| 13 | 09 51 52** | | | Samoa Islands region. |
| 13 | 16 30 48* | 22½ S. | 63½ W. | Argentina aftershock. |
| 14 | 00 48 40** | | | Northern Sumatra. |
| 14 | 04 21 19* | 17 S. | 173½ W. | Tonga Islands region. h about 60 km. |
| 14 | 06 27 02** | | | Crete foreshock. |
| 14 | 06 36 57* | 35½ N. | 24½ E. | Crete. Mag. 6½. |
| 14 | 08 18 23* | 7 S. | 154½ E. | Solomon Islands. h about 100 km. |
| 14 | 09 33 22* | 19 S. | 170 E. | New Hebrides Islands. |
| 14 | 10 41 56* | 19 S. | 170 E. | New Hebrides Islands. h about 100 km. |
| 14 | 11 49 20* | 19 S. | 170 E. | do. |
| 14 | 13 19 32* | 19 S. | 170 E. | New Hebrides Islands. h about 150 km. |
| 14 | 19 22 18* | 40 N. | 24½ E. | Aegean Sea. Felt at Kalkidhiki and Kanssandra. |
| 14 | 19 59 00* | 20 S. | 68 W. | Chile-Bolivia border. h about 200 km. |
| 15 | 01 30 35* | 54 N. | 158½ E. | Kamchatka. |
| 15 | 07 49 30* | 14 N. | 93 W. | Near coast of Mexico. h about 100 km. |
| 15 | 14 42 48** | | | Oaxaca, Mexico. |
| 16 | 04 58 25* | 65½ N. | 156 W. | Alaska. |
| 16 | 06 16 23* | 4½ S. | 153½ E. | New Britain. Felt at Karoola, Talilligap, and Rabaul. h about 60 km. Mag. 6-3/4. |
| 16 | 07 31 18* | 4½ S. | 153½ E. | New Britain region. h about 60 km. |
| 17 | 10 56 52* | 47½ N. | 113 W. | Northwestern Montana. Felt at Ovando, Helmville, and Polson. |
| 17 | 10 57 27** | | | Northern Mariana Islands region. |
| 17 | 19 15 42* | 54 N. | 159½ E. | Near east coast of Kamchatka. |
| 18 | 05 40 09* | 4½ S. | 153½ E. | New Britain region. Felt at Talilligap. h about 100 km. |
| 18 | 06 12 56* | 36 S. | 148 E. | Southeastern Australia. Felt in New South Wales and Victoria. |

| Date 1959 | Origin Time G. C. T. | Lat. | | Long. | | Region, Focal Depth, and Remarks |
|---|---|---|---|---|---|---|
| | h m s | ° | | ° | | |
| May 18 | 07 24 11* | 52½ | N. | 173½ | E. | Near Islands, Aleutian Islands. |
| 18 | 19 00 33** | | | | | Near North Island, New Zealand. |
| 19 | 02 52 16* | 5½ | S. | 153 | E. | Off coast of New Britain. h about 100 km. |
| 19 | 07 50 38* | 13 | N. | 120½ | E. | Mindoro, Philippine Islands. |
| 19 | 08 35 23* | 16 | S. | 174 | W. | Tonga Islands region. |
| 19 | 15 17 44* | 33 | N. | 68½ | E. | Eastern Afghanistan. |
| 19 | 18 57 27* | 23 | N. | 142½ | E. | Volcano Islands region. |
| 20 | 00 50 03* | 23 | S. | 114 | W. | South Pacific Ocean. |
| 20 | 01 36 42** | | | | | About 250 miles off south coast of Java. |
| 20 | 11 26 28* | 32½ | N. | 136½ | E. | South of Honshu, Japan. h about 450 km. |
| 20 | 16 36 51* | 37 | N. | 26½ | E. | Dodecanese Islands. |
| 20 | 19 35 03* | 44½ | N. | 149 | E. | Kurile Islands. |
| 20 | 19 49 12* | 41½ | N. | 42 | E. | Georgia S.S.R. |
| 21 | 02 22 56* | 18½ | N. | 121 | E. | Near north coast of Luzon, Philippine Islands. |
| 21 | 06 51 40* | 52½ | N. | 170½ | W. | Fox Islands, Aleutian Islands. |
| 21 | 11 34 23* | 28 | S. | 69 | W. | Northern Chile-Argentina border. h about 60 km. Mag. 6. |
| 21 | 17 51 40* | 39½ | N. | 118 | W. | Western Nevada. Mag. 4-3/4 (Berk). |
| 21 | 22 31 50** | | | | | Fox Islands region, Aleutian Islands. |
| 22 | 04 41 57* | 51½ | N. | 159 | E. | Off southeast coast of Kamchatka. |
| 22 | 06 57 00* | 40 | S. | 176 | E. | North Island, New Zealand. Minor damage at Blenheim, Picton, and Wellington. |
| 22 | 08 31 00* | 25½ | N. | 95½ | E. | Northern Burma. |
| 23 | 09 55 29* | 10½ | N. | 63 | W. | Near coast of Venezuela. |
| 24 | 00 09 29* | 19½ | N. | 64½ | W. | Virgin Islands. Felt at San Juan and St. Thomas. |
| 24 | 04 39 27* | 20½ | S. | 179 | W. | Fiji Islands region. h about 700 km. |
| 24 | 11 28 18* | 26½ | N. | 90½ | E. | Bhutan-India border. |
| 24 | 13 19 41* | 37½ | N. | 4 | E. | Off north coast of Algeria. |
| 24 | 14 00 10* | 44½ | N. | 149 | E. | Kurile Islands. |
| 24 | 19 17 40* | 17½ | N. | 97 | W. | Oaxaca, Mexico. 5 killed, 10 injured and minor property damage. Felt also in Mexico City. h about 100 km. Mag. 6-3/4 - 7. |
| 24 | 20 04 33* | 5½ | S. | 152 | E. | New Britain region. Felt at Pomio, Talilligap, and Rabaul. Slightly deeper than normal. |
| 25 | 05 03 07** | | | | | Fiji Islands region. |
| 25 | 17 06 24* | 18½ | N. | 147 | E. | Mariana Islands |
| 25 | 19 20 48* | 27 | N. | 94 | E. | Eastern India. |
| 26 | 04 13 01* | 27½ | N. | 126½ | E. | Ryukyu Islands region. h about 100 km. Mag. 6½ - 6-3/4. |
| 26 | 05 27 36* | 17 | N. | 61 | W. | Leeward Islands. |
| 26 | 06 36 00* | 37½ | N. | 70 | E. | Afghanistan-Tadshik border. |
| 27 | 04 51 45* | 33 | N. | 141 | E. | South of Honshu, Japan. |

| Date 1959 | Origin Time G. C. T. | Lat. | | Long. | | Region, Focal Depth, and Remarks |
|---|---|---|---|---|---|---|
| May | h m s | ° | | ° | | |
| 27 | 13 49 47* | 23½ | N. | 120½ | E. | Formosa. |
| 27 | 20 38 26* | 46 | N. | 21 | E. | Hungary-Romania border. |
| 27 | 21 55 25* | 13 | N. | 124½ | E. | Luzon, Philippine Islands. Felt at Catarman and Catbalogan. |
| 28 | 04 06 15** | | | | | Colombia. |
| 28 | 07 35 30* | 17 | N. | 147 | E. | Mariana Islands. h about 100 km. |
| 28 | 15 14 29* | 13 | N. | 124 | E. | Luzon, Philippine Islands. |
| 28 | 22 27 15* | 4 | S. | 141½ | E. | New Guinea. Felt at Ambunti, Lumi, and Telefomin. h about 100 km. |
| 29 | 10 42 48* | 19 | S. | 169½ | E. | New Hebrides Islands. h about 100 km. Mag. 6½. |
| 29 | 12 28 06* | 21 | N. | 146½ | E. | Mariana Islands. |
| 29 | 17 52 42* | 21½ | N. | 145½ | E. | do. |
| 29 | 18 29 27* | 50½ | N. | 157 | E. | Near south coast of Kamchatka. |
| 30 | 03 07 03* | 22 | S. | 63 | W. | Salta Province, Argentina. h about 500 km. |
| 31 | 05 36 25* | 20 | N. | 80 | W. | Cayman Islands. |
| 31 | 09 28 09* | 6½ | S. | 155 | E. | Solomon Islands. Mag. 6½. |
| 31 | 12 15 51* | 46½ | N. | 27 | E. | Romania. |
| 31 | 13 01 44* | 37½ | N. | 49 | E. | Northwestern Iran. |
| 31 | 15 01 10* | 51 | N. | 130 | W. | Queen Charlotte Islands region. |
| 31 | 17 17 41* | 21½ | N. | 146½ | E. | Mariana Islands. |
| 31 | 17 45 02* | 6 | S. | 156½ | E. | Solomon Islands. |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 1 | | |
| EUR | eP | 01 22 04 |
| HH | iP | 01 22 34 |
| May 1 | | |
| FUR | eP | 02 40 59 |
| May 1 | | |
| EUR | eP | 02 55 18 |
| May 1 | | |
| THULE | e(P) | 03 34 16 |
| May 1 | | |
| COL | iP | 06 03 13 |
| EUR | eP | 06 06 18 |
| HH | iP | 06 05 42 |
| THULE | iP | 06 03 23 |
| May 1 | | |
| EUR | eP | 07 01 55 |
| HH | eP | 07 02 22 |
| RC | eP | 07 01 45 |
| | e | 02 13 |
| TUC | eP | 07 01 10 |
| TUC-T | eP | 07 01 10 |
| May 1 | | |
| COL | eP | 07 32 10 |
| | iP | 32 12 |
| May 1 | | |
| COL | iP | 07 44 59 |
| May 1 | | |
| FUR | eP | 08 34 05 |
| May 1 | | |
| COL | iP | 08 35 58 |
| | i | 36 22 |
| EUR | eP | 08 38 05 |
| HH | eP | 08 37 20 |
| RC | eP | 08 37 29 |
| | i | 37 34 |
| THULE | e(P) | 08 34 16 |
| | iP | 34 20 |
| TUC | eP | 08 34 04 |
| TUC-T | iP | 08 34 04 |
| | e | 34 23 |
| WASH | eP | 08 37 04 |
| May 1 | | |
| COL | iP | 08 53 59 |
| | iS | 55 17 |
| | iL | 55 29 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HH | iP | 08 58 29 |
| May 1 | | |
| FUR | eP | 09 30 07 |
| HH | eP | 09 29 59 |
| TUC-T | eP | 09 30 46 |
| May 1 | | |
| FUR | eP | 12 00 26 |
| May 1 | | |
| COL | eP | 12 28 46 |
| EUR | eP | 12 32 13 |
| HH | iP | 12 31 42 |
| May 1 | | |
| THULE | e(P) | 13 14 18 |
| | eS | 15 19 |
| | eL | 15 22 |
| May 1 | | |
| COL | iP | 15 09 10 |
| | ipP | 09 30 |
| | isP | 09 42 |
| EUR | eP | 15 10 08 |
| | ipP | 10 40 |
| GUAM | eP | 15 01 41 |
| HH | eP | 15 10 40 |
| May 1 | | |
| TUC-T | eP | 15 19 05 |
| May 1 | | |
| COL | eP | 18 29 47 |
| May 1 | | |
| SJ | iP | 18 36 38 |
| | eL | 36 58 |
| May 1 | | |
| EUR | eP | 20 06 53 |
| May 1 | | |
| UK | iP | 20 33 54 |
| | i | 33 57 |
| | eL | 34 03 |
| May 1 | | |
| HH | i(P) | 20 43 04 |
| May 1 | | |
| EUR | e(P) | 21 00 32 |
| May 1 | | |
| EUR | e(P) | 21 16 25 |
| May 1 | | |
| COL | eP | 23 12 19 |
| May 2 | | |
| TUC-T | eP | 02 06 11 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 2 | | |
| COL | eP | 05 35 11 |
| FUR | eP | 05 37 56 |
| GUAM | iP | 05 30 09 |
| HH | eP | 05 27 35 |
| May 2 | | |
| COL | eP | 06 01 35 |
| EUR | eP | 06 05 07 |
| HH | e(P) | 06 04 35 |
| TUC | iP | 06 06 11 |
| May 2 | | |
| FUR | e(P) | 06 33 04 |
| May 2 | | |
| COL | eP | 10 22 25 |
| May 2 | | |
| EUR | eP | 11 46 48 |
| HH | eP | 11 46 32 |
| May 2 | | |
| COL | iP | 16 12 39 |
| | i | 12 56 |
| EUR | iP | 16 13 13 |
| May 2 | | |
| COL | eP | 16 42 33 |
| May 2 | | |
| COL | iP | 18 04 58 |
| | e | 05 28 |
| May 2 | | |
| FUR | eP | 19 54 15 |
| May 2 | | |
| HH | i(P) | 20 08 47 |
| May 2 | | |
| COL | eP | 21 46 33 |
| EUR | eP | 21 50 06 |
| May 2 | | |
| COL | eP | 22 19 41 |
| EUR | eP | 22 20 04 |
| | e | 20 31 |
| May 2 | | |
| SJ | eP | 22 20 04 |
| | e | 20 16 |
| May 2 | | |
| EUR | eP | 22 35 36 |
| May 2 | | |
| COL | iP | 23 12 28 |
| | e | 13 31 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 2 | | |
| EUR | eP | 23 34 01 |
| May 2 | | |
| EUR | eP | 23 45 58 |
| May 3 | | |
| SJ | iP | 01 18 37 |
| | iS | 18 45 |
| | iL | 18 46 |
| May 3 | | |
| EUR | eP | 01 34 42 |
| May 3 | | |
| EUR | eP | 02 37 43 |
| May 3 | | |
| COL | iP | 03 14 10 |
| | e | 14 28 |
| EUR | iP | 03 14 45 |
| | i | 15 05 |
| HH | eP | 03 14 59 |
| TUC-T | eP | 03 14 58 |
| May 3 | | |
| BH | iP | 04 43 24 |
| | iL | 46 17 |
| BC | eP | 04 48 05 |
| | ePcP | 50 41 |
| BOZ | eP | 04 48 44 |
| | eS | 54 43 |
| | eL | 59 31 |
| BUT | iP | 04 48 52 |
| | ePP | 50 13 |
| | ePcP | 50 43 |
| COL | iP | 04 52 06 |
| | epP | 52 34 |
| | ePP | 54 31 |
| COLU | iP | 04 46 20 |
| | iS | 50 30 |
| EUR | iP | 04 48 29 |
| | epP | 48 55 |
| | esP | 49 06 |
| | iPcP | 50 48 |
| | e | 51 16 |
| | eScP | 54 35 |
| | e | 55 01 |
| HH | iP | 04 49 12 |
| | iPcP | 51 05 |
| | eScP | 54 54 |
| RC | iP | 04 48 07 |
| | ePP | 49 31 |
| SLC | iP | 04 48 17 |
| | ePcP | 50 45 |

0-4297-4

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| SJ | iP | | 04 46 08 |
| | ipP | | 46 27 |
| | iPcP | | 50 09 |
| THULE | iP | | 04 51 57 |
| | ipP | | 52 23 |
| TUC | eP | | 04 47 24 |
| | i | | 47 27 |
| | ePcP | | 50 28 |
| | e(S) | | 54 18 |
| | eL | | 58 10 |
| TUC-T | iP | | 04 47 22 |
| | i | | 47 26 |
| | iPcP | | 50 28 |
| | eScP | | 54 13 |
| | eL | | 57 05 |
| WASH | iP | | 04 47 11 |
| | i(PP) | | 48 26 |
| | i | | 49 13 |
| | e | | 53 51 |
| | eL | | 57 14 |
| May 3 SJ | iP | | 07 22 33 |
| | e | | 22 43 |
| May 3 COL | iP | | 07 35 01 |
| EUR | eP | | 07 38 01 |
| HH | eP | | 07 37 36 |
| THULE | eP | | 07 36 53 |
| May 3 COL | iP | | 10 41 42 |
| EUR | e(P) | | 10 41 44 |
| May 3 COL | iP | | 11 13 41 |
| | i | | 13 53 |
| EUR | iP | | 11 17 22 |
| | i | | 17 36 |
| | i | | 17 46 |
| HH | e(P) | | 11 16 47 |
| THULE | iP | | 11 16 13 |
| May 3 COL | eP | | 17 14 17 |
| May 3 EUR | eP | | 20 11 42 |
| May 4 EUR | eP | | 01 24 48 |
| May 4 COL | eP | | 03 28 41 |
| HH | eP | | 03 30 48 |
| May 4 EUR | eP | | 05 03 39 |
| May 4 BH | iP | | 07 29 26 |
| | iS | | 40 34 |
| BOZ | iP | | 07 25 12D |
| | e(S) | | 32 54 |
| BUT | iP | | 07 25 05D |
| | epP | | 25 37 |
| | e | | 26 33 |
| | ePP | | 27 30 |
| | eS | | 32 03 |
| | eSS | | 35 58 |
| | eSSS | | 37 51 |
| COL | iP | | 07 21 37C |
| | i | | 22 21 |
| | i | | 23 12 |
| | iS | | 26 15 |
| COLU | iP | | 07 27 41D |
| | i(PPP) | | 33 08 |
| | iS | | 37 26 |
| EUR | iP | | 07 25 23D |
| GUAM | iP | | 07 23 24D |
| | i | | 25 53 |
| | iScP | | 28 35 |
| | i(S) | | 29 25 |
| | isS | | 30 08 |
| | eL | | 32 56 |
| HONO | iP | | 07 23 58D |
| | i | | 26 19 |
| | iS | | 30 37 |
| | isS | | 31 16 |
| | i | | 33 08 |
| | iL | | 34 37 |
| | eT | | 08 04 23 |
| | iT | | 11 56 |
| HH | iP | | 07 24 47D |
| KIP | eP | | 07 23 58D |
| | iP | | 23 59D |
| | i | | 28 36 |
| | eT | | 08 00 56 |
| | eT | | 03 26 |
| | iT | | 03 42 |
| | iT | | 11 57 |
| RC | eP | | 07 25 47D |
| | iP | | 25 48D |
| SLC | iP | | 07 25 34D |
| | iS | | 33 30 |
| | eL | | 37 22 |
| SJ | iP | | 07 29 18D |
| | e(PKKP) | | 46 09 |
| SIT | iP | | 07 22 45C |
| | iS | | 28 23 |
| | eL | | 34 27 |
| | eP'P' | | 55 04 |
| TUC | iP | | 07 26 18D |
| | i | | 26 20D |
| | iS | | 34 54 |
| | iSS | | 39 04 |
| | iL | | 42 38 |
| | eP'P' | | 54 27 |
| | iP'P' | | 55 08 |
| TUC-T | iP | | 07 26 18D |
| UK | iP | | 07 24 57D |
| | iS | | 32 21 |
| | i | | 33 34 |
| | eL | | 40 28 |
| | eP'P' | | 55 56 |
| WASH | iP | | 07 27 27C |
| | iS | | 36 49 |
| May 4 EUR | eP | | 10 23 45 |
| May 4 COL | eP | | 10 33 53 |
| | i | | 34 22 |
| | i | | 34 34 |
| HH | e(P) | | 10 33 07 |
| May 4 COL | iP | | 11 28 59 |
| EUR | eP | | 11 32 45 |
| | ipP | | 33 17 |
| HH | e(P) | | 11 32 10 |
| RC | eP | | 11 33 11 |
| May 4 COL | eP | | 12 56 15 |
| EUR | eP | | 12 59 59 |
| May 4 EUR | eP | | 13 43 45 |
| May 4 THULE | eP | | 14 27 42 |
| May 4 COL | eP | | 15 29 01 |
| EUR | iP | | 15 29 37 |
| May 4 EUR | eP | | 16 23 42 |
| May 4 COL | iP | | 17 30 22 |
| THULE | iP | | 17 30 11 |
| May 4 TUC | eP | | 18 29 34 |
| | eL | | 31 10 |
| TUC-T | e(P) | | 18 29 32 |
| | eL | | 31 08 |
| May 4 EUR | eP | | 20 13 18 |
| HH | eP | | 20 14 13 |
| RC | eP | | 20 15 23 |
| UK | eP | | 20 12 06 |
| | i(S) | | 12 31 |
| | eL | | 12 33 |
| May 4 HH | iP | | 22 18 10 |
| May 4 EUR | eP | | 22 32 16 |
| May 4 COL | eP | | 22 56 38 |
| | e | | 58 53 |
| May 4 THULE | eP | | 23 17 38 |
| | i | | 18 46 |
| May 5 COL | eP | | 00 00 40 |
| EUR | eP | | 00 00 00 |
| May 5 COL | iP | | 03 06 14 |
| EUR | iP | | 03 03 56 |
| HH | iP | | 03 04 02 |
| SJ | iP | | 02 56 09 |
| | i | | 57 17 |
| TUC | eP | | 03 03 17 |
| TUC-T | iP | | 03 03 16 |
| May 5 COL | eP | | 04 39 58 |
| EUR | iP | | 04 43 43 |
| | i | | 43 56 |
| May 5 COL | iP | | 05 43 14 |
| | e | | 43 26 |
| EUR | eP | | 05 40 21 |
| HH | e(P) | | 05 41 12 |
| TUC-T | eP | | 05 39 23 |
| | e | | 39 35 |
| May 5 EUR | eP | | 06 16 59 |
| HH | i(P) | | 06 16 34 |
| May 5 EUR | iP | | 07 57 15 |
| HH | iP | | 07 57 42 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| RC | eP | 07 57 02 |
| TUC | eP | 07 56 29 |
| TUC-T | iP | 07 56 28 |
| | e | 57 04 |
| May 5 | | |
| COL | iP | 09 19 04 |
| EUR | iP | 09 22 22 |
| HH | iP | 09 21 53 |
| RC | eP | 09 22 47 |
| TUC | eP | 09 23 10 |
| May 5 | | |
| COL | e(P) | 11 23 28 |
| EUR | eP | 11 19 23 |
| TUC | e(P) | 11 18 01 |
| | eL | 23 12 |
| TUC-T | eP | 11 17 56 |
| | iL | 23 14 |
| May 5 | | |
| COL | iP | 11 51 56 |
| | i | 52 20 |
| THULE | eP | 11 50(57) |
| May 5 | | |
| THULE | eP | 14 07 47 |
| May 5 | | |
| EUR | eP | 16 22 41 |
| May 5 | | |
| BC | eP | 19 14 26 |
| | e | 15 13 |
| BOZ | eP | 19 13 52 |
| | e | 14 18 |
| BUT | eP | 19 13 44 |
| | ePP | 16 00 |
| | ePPP | 16 45 |
| COL | iP | 19 10 15 |
| | iS | 15 03 |
| | iL | 17 08 |
| COLU | eP | 19 16 22 |
| EUR | iP | 19 14 03 |
| | i | 14 35 |
| | eP' P' | 43 47 |
| GUAM | iP | 19 11 59 |
| HH | iP | 19 13 26 |
| | iPcP | 14 42 |
| | eScP | 18 36 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| KIP | eP | 19 12 43 |
| | eT | 20 00 41 |
| RC | iP | 19 14 27 |
| | eP' P' | 44 12 |
| SLC | eP | 19 14 14 |
| | e | 14 34 |
| SIT | eP | 19 11 24 |
| THULE | eP | 19 12 46 |
| TUC | eP | 19 14 26 |
| | eL | 35 19 |
| TUC-T | e(P) | 19 15 02 |
| | eP' P' | 43 45 |
| UK | eP | 19 13 38 |
| | ePP | 15 50 |
| WASH | iP | 19 16 06 |
| | i | 16 37 |
| | eL | 45 56 |
| May 5 | | |
| EUR | eP | 20 16 41 |
| May 5 | | |
| EUR | eP | 20 34 43 |
| May 5 | | |
| EUR | eP | 21 47 30 |
| May 5 | | |
| EUR | eP | 22 27 51 |
| May 5 | | |
| EUR | e(P) | 22 42 51 |
| May 5 | | |
| EUR | eP | 23 01 33 |
| May 5 | | |
| EUR | eP | 23 08 06 |
| May 6 | | |
| EUR | eP | 07 28 51 |
| May 6 | | |
| BC | eP | 07 52 44 |
| BOZ | eP | 07 52 20 |
| COL | eP | 07 48 58 |
| | i | 49 17 |
| EUR | iP | 07 52 25 |
| | i | 52 43 |
| | eScP | 58 01 |
| HH | iP | 07 51 53 |
| | iPcP | 54 07 |
| | i | 54 26 |
| | iScP | 57 47 |
| RC | eP | 07 53 03 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SJ | iP | 07 57 17 |
| | e | 57 35 |
| THULE | iP | 07 52 57 |
| TUC | iP | 07 53 26 |
| TUC-T | iP | 07 53 26 |
| May 6 | | |
| HH | e(P) | 08 02 00 |
| May 6 | | |
| COL | eP | 09 16 49 |
| EUR | eP | 09 16 16 |
| TUC-T | eP | 09 16 16 |
| May 6 | | |
| COL | eP | 11 50 00 |
| May 6 | | |
| HH | e(P) | 13 31 44 |
| May 6 | | |
| HH | e(P) | 14 24 08 |
| TUC-T | eP | 14 24 10 |
| | e | 25 15 |
| May 6 | | |
| BC | eP | 17 40 45 |
| BOZ | eP | 17 41 21 |
| COL | iP | 17 41 05 |
| | ipP | 43 17 |
| GUAM | eP | 17 37 09 |
| TUC-T | iP | 17 40 52 |
| | epP | 43 06 |
| May 6 | | |
| COL | e(P) | 19 02 16 |
| EUR | eP | 19 04 54 |
| | i | 05 03 |
| HH | iP | 19 04 30 |
| | eL | 11 28 |
| RC | eP | 19 05 27 |
| THULE | iP | 19 03 46 |
| May 6 | | |
| COL | eP | 19 05 30 |
| EUR | eP' | 19 11 03 |
| | iPP | 11 36 |
| GUAM | iP | 18 57 30 |
| | iPP | 58 10 |
| RC | eP' | 19 12 34 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC-T | iP' | 19 12 25 |
| May 6 | | |
| EUR | eP | 20 10 58 |
| May 6 | | |
| RC | e(P) | 20 29 18 |
| May 6 | | |
| EUR | eP | 21 04 23 |
| | e | 05 00 |
| May 6 | | |
| COL | iP | 21 28 18 |
| May 6 | | |
| EUR | eP | 21 59 11 |
| May 6 | | |
| EUR | iP | 22 05 10 |
| May 6 | | |
| EUR | eP | 23 24 51 |
| | eL | 26 21 |
| May 7 | | |
| COL | eP | 00 15 46 |
| | iS | 26 00 |
| | e | 27 18 |
| | eSS | 31 25 |
| | eL | 37 20 |
| EUR | eP | 00 16 59 |
| | i | 17 34 |
| GUAM | eP | 00 07 23 |
| | iP | 07 25 |
| | eS | 10 49 |
| | eL | 12 27 |
| HH | eP | 00 17 03 |
| SJ | eP' | 00 23 04 |
| TUC | eP' | 00 21 49 |
| | eL | 49 04 |
| TUC-T | eP' | 00 21 30 |
| May 7 | | |
| EUR | eP | 01 41 08 |
| May 7 | | |
| COL | eP | 05 01 17 |
| EUR | eP | 05 02 25 |
| HH | e(P) | 05 02 34 |
| May 7 | | |
| HH | iP | 05 51 40 |
| May 7 | | |
| RC | eP | 07 45 38 |
| | e | 45 52 |
| May 7 | | |
| EUR | eP | 08 21 05 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 7 | | |
| COL | eP | 09 16 08 |
| EUR | eP | 09 17 18 |
| GUAM | iP | 09 07 56 |
| | e(S) | 11 39 |
| | eL | 14 00 |
| HH | eP | 09 17 21 |
| May 7 | | |
| EUR | eP | 09 49 55 |
| | i | 50 11 |
| TUC | e(P) | 09 50 42 |
| | e | 50 56 |
| | eL | 51 50 |
| TUC-T | e(P) | 09 50 41 |
| | e | 50 57 |
| | eL | 51 53 |
| May 7 | | |
| EUR | eP | 10 32 55 |
| HH | iP | 10 33 08 |
| May 7 | | |
| EUR | eP | 10 52 59 |
| May 7 | | |
| COL | iP | 11 29 39 |
| EUR | eP | 11 30 47 |
| GUAM | iP | 11 21 26 |
| | iL | 29 07 |
| HH | eP | 11 30 53 |
| May 7 | | |
| COL | eP | 13 30 46 |
| May 7 | | |
| EUR | eP | 14 14 08 |
| May 7 | | |
| EUR | eP | 16 26 48 |
| May 7 | | |
| COL | eP | 16 32 47 |
| EUR | eP | 16 31 23 |
| HH | eP | 16 31 13 |
| RC | eP | 16 30 17 |
| THULE | eP | 16 30 58 |
| TUC-T | eP | 16 30 58 |
| May 7 | | |
| COL | iP | 18 22 54 |
| EUR | e(P) | 18 21 06 |
| | eP | 21 24 |
| HH | eP | 18 21 14 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| RC | eP | 18 20 19 |
| | e | 20 27 |
| | e | 25 13 |
| THULE | eP | 18 20 51 |
| | i | 25 45 |
| TUC-T | eP | 18 21 01 |
| | e | 25 54 |
| May 7 | | |
| COL | eP | 18 27 48 |
| EUR | eP | 18 26 19 |
| | e | 28 56 |
| HH | e(P) | 18 26 10 |
| May 7 | | |
| EUR | eP | 20 33 55 |
| HH | eP | 20 34 50 |
| UK | eP | 20 32 43 |
| | i | 33 09 |
| | eL | 33 43 |
| May 7 | | |
| COL | eP | 20 36 15 |
| | eP' | 39 32 |
| | e(PP) | 40 46 |
| COLU | iP' | 20 42 24 |
| EUR | eP' | 20 41 35 |
| | i | 42 50 |
| GUAM | eP | 20 28 57 |
| HH | iP' | 20 41 31 |
| | e | 42 40 |
| RC | eP' | 20 41 47 |
| | e | 43 40 |
| THULE | eP' | 20 40 46 |
| TUC-T | iP' | 20 41 45 |
| WASH | eP' | 20 42 18 |
| May 7 | | |
| EUR | eP | 20 51 53 |
| May 7 | | |
| COL | eP | 20 59 59 |
| May 7 | | |
| EUR | eP | 21 57 41 |
| May 7 | | |
| EUR | eP | 23 00 29 |
| | e | 01 26 |
| May 8 | | |
| COL | iP | 01 04 16 |
| EUR | eP | 01 05 59 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 8 | | |
| COL | iP | 01 21 30 |
| EUR | eP | 01 21 50 |
| May 8 | | |
| EUR | eP | 03 17 45 |
| May 8 | | |
| COL | eP | 05 25 52 |
| EUR | iP | 05 28 25 |
| | i | 28 38 |
| GUAM | iP | 05 19 58 |
| HH | iP | 05 28 06 |
| May 8 | | |
| BC | eP | 06 56 26 |
| COL | eP | 06 52 11 |
| | iP | 52 14 |
| EUR | iP | 06 56 03 |
| HH | eP | 06 55 26 |
| RC | iP | 06 56 26 |
| SLC | eP | 06 56 13 |
| SIT | eP | 06 53 25 |
| TUC | eP | 06 56 58 |
| TUC-T | eP | 06 56 58 |
| | ePP | 59 23 |
| WASH | eP | 06 58 05 |
| May 8 | | |
| EUR | eP | 09 19 23 |
| TUC | eP | 09 17 49 |
| TUC-T | iP | 09 17 49 |
| May 8 | | |
| COL | e(P) | 10 05 54 |
| | e | 06 03 |
| EUR | eP | 10 04 33 |
| | e | 06 57 |
| HH | eP | 10 04 22 |
| RC | iP | 10 03 22 |
| TUC | eP | 10 04 09 |
| TUC-T | iP | 10 04 08 |
| May 8 | | |
| COL | eP | 10 18 29 |
| EUR | eP | 10 16 59 |
| RC | iP | 10 15 53 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC | eP | 10 16 35 |
| TUC-T | eP | 10 16 35 |
| May 8 | | |
| EUR | eP | 10 37 07 |
| May 8 | | |
| EUR | eP | 10 57 31 |
| TUC | eP | 10 56 03 |
| TUC-T | iP | 10 56 03 |
| May 8 | | |
| EUR | eP | 11 26 07 |
| | i | 26 42 |
| TUC | eP | 11 24 40 |
| TUC-T | eP | 11 24 39 |
| | iP | 24 41 |
| May 8 | | |
| BC | eP | 11 44 48 |
| | eP'P' | 12 14 28 |
| BOZ | eP | 11 44 14 |
| BUT | eP | 11 44 01 |
| | e(PP) | 46 27 |
| | eS | 51 14 |
| COL | iP | 11 40 37 |
| | ipP | 40 52 |
| | iS | 45 17 |
| | e | 46 04 |
| | iL | 47 38 |
| COLU | iP | 11 46 44 |
| EUR | iP | 11 44 25 |
| | ipP | 44 46 |
| | eS | 52 08 |
| | eScS | 53 58 |
| | eP'P' | 12 13 56 |
| | iP'P' | 14 52 |
| HH | iP | 11 43 48 |
| | iPcP | 45 05 |
| | iScP | 48 58 |
| | e(ScS) | 53 35 |
| | eP'P' | 12 14 54 |
| KIP | eP | 11 43 02 |
| | eT | 12 30 34 |
| RC | iP | 11 44 49 |
| | eP'P' | 12 14 21 |
| SLC | eP | 11 44 35 |
| | e | 44 59 |
| SIT | eP | 11 41 45 |
| TUC | eP | 11 45 21 |
| | iP'P' | 12 14 16 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC | eP | 11 45 21 |
| | iP'P' | 12 14 16 |
| TUC-T | iP | 11 45 21 |
| | iP'P' | 12 14 15 |
| WASH | iP | 11 46 29 |
| | eL | 12 11 47 |
| May 8 | | |
| COL | iP | 15 36 24 |
| EUR | eP | 15 39 44 |
| | i | 39 57 |
| | i | 40 11 |
| HH | eP | 15 39 12 |
| RC | eP | 15 40 10 |
| SJ | iP | 15 50 48 |
| THULE | eP | 15 37 39 |
| TUC-T | eP | 15 40 45 |
| May 8 | | |
| COL | iP | 17 34 25 |
| EUR | iP | 17 32 03 |
| | ipP | 32 21 |
| | i | 32 34 |
| RC | eP | 17 31 04 |
| SJ | iP | 17 24 18 |
| | iS | 25 11 |
| | eL | 25 13 |
| TUC-T | iP | 17 31 23 |
| May 8 | | |
| EUR | eP | 18 18 05 |
| | i | 18 39 |
| May 8 | | |
| SJ | eP | 20 43 51 |
| May 8 | | |
| COL | eP | 22 18 24 |
| | i | 18 38 |
| EUR | iP | 22 21 42 |
| | i | 22 02 |
| HH | iP | 22 21 14 |
| | e | 21 36 |
| RC | eP | 22 22 22 |
| TUC-T | iP | 22 22 43 |
| May 8 | | |
| HH | e(P) | 23 14 44 |
| May 8 | | |
| COL | eP | 23 48 07 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 9 | | |
| COL | eP | 00 08 11 |
| EUR | eP | 00 10 40 |
| HH | iP | 00 10 20 |
| May 9 | | |
| TUC | eP | 02 15 58 |
| May 9 | | |
| COL | iP | 04 14 48 |
| EUR | eP | 04 18 23 |
| May 9 | | |
| COL | eP | 05 38 06 |
| May 9 | | |
| COL | eP | 08 28 25 |
| EUR | e(P) | 08 29 57 |
| May 9 | | |
| COL | iP | 08 54 45 |
| | i | 55 20 |
| GUAM | iP | 08 46 38 |
| | i | 47 06 |
| May 9 | | |
| COL | eP | 10 35 31 |
| May 9 | | |
| COL | iP | 12 50 14 |
| EUR | eP | 12 53 43 |
| | i | 54 06 |
| | i | 54 32 |
| HH | eP | 12 53 10 |
| | e | 53 22 |
| RC | eP | 12 54 23 |
| TUC | eP | 12 54 54 |
| TUC-T | eP | 12 54 49 |
| | e | 55 03 |
| | ePP | 56 53 |
| May 9 | | |
| COL | eP | 13 41 38 |
| EUR | eP | 13 44 54 |
| May 9 | | |
| COL | iP | 14 33 46 |
| May 9 | | |
| COL | e(P) | 15 42 26 |
| EUR | eP | 15 44 36 |
| May 9 | | |
| HH | eP | 16 25 02 |
| May 9 | | |
| COL | e(P) | 16 36 04 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 9 | | |
| BH | iP | 16 44 55 |
| | iS | 45 52 |
| EUR | eP | 16 52 00 |
| HH | eP | 16 52 40 |
| SJ | eP | 16 47 40 |
| | i | 48 22 |
| TUC-T | iP | 16 50 57 |
| | e | 52 24 |
| May 9 | | |
| EUR | eP | 17 27 26 |
| | e(S) | 28 31 |
| | eL | 28 47 |
| May 9 | | |
| COL | eP | 18 37 23 |
| HH | e(P) | 18 40 21 |
| UK | iP | 18 42 30 |
| May 9 | | |
| COL | iP | 19 25 46 |
| | iS | 26 46 |
| | iL | 26 49 |
| May 9 | | |
| EUR | iP | 22 21 42 |
| | i | 22 02 |
| May 9 | | |
| COL | iP | 22 33 09 |
| May 10 | | |
| BC | eP | 00 08 12 |
| BOZ | eP | 00 07 47 |
| COL | iP | 00 04 34 |
| | i | 04 46 |
| EUR | iP | 00 07 54 |
| | i | 08 17 |
| HH | iP | 00 07 25 |
| | i | 07 40 |
| | ePP | 09 45 |
| RC | iP | 00 08 19 |
| TUC | eP | 00 08 43 |
| TUC-T | iP | 00 08 42 |
| WASH | eP | 00 09 48 |
| May 10 | | |
| HH | e(P) | 01 28 16 |
| May 10 | | |
| HH | iP | 01 43 58 |
| May 10 | | |
| BH | eP | 02 02 37 |
| | eS | 03 25 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 10 | | |
| EUR | eP | 03 33 31 |
| HH | e(P) | 03 24 24 |
| RC | eP | 03 24 01 |
| TUC-T | e(P) | 03 22 51 |
| May 10 | | |
| HH | e(P) | 04 01 18 |
| | e | 02 23 |
| | eL | 02 44 |
| May 10 | | |
| COL | iP | 05 56 47 |
| EUR | eP | 06 00 15 |
| HH | iP | 05 59 45 |
| SJ | iP | 06 04 54 |
| May 10 | | |
| HH | eP | 06 57 28 |
| May 10 | | |
| HH | eP | 07 34 44 |
| | i | 34 54 |
| May 10 | | |
| COL | iP | 09 50 34 |
| | ipP | 51 51 |
| EUR | iP | 09 54 02 |
| | i | 54 32 |
| | ipP | 55 26 |
| HH | iP | 09 53 30 |
| | i | 54 12 |
| TUC | eP | 09 54 51 |
| TUC-T | iP | 09 54 51 |
| May 10 | | |
| COL | iP | 10 56 38 |
| EUR | iP | 10 59 59 |
| | i | 11 00 25 |
| HH | iP | 10 59 30 |
| TUC | eP | 11 00 48 |
| May 10 | | |
| COL | eP | 14 59 01 |
| | i | 59 59 |
| EUR | eP | 14 54 35 |
| TUC | eP | 14 53 07 |
| | i | 53 09 |
| TUC-T | iP | 14 53 07 |
| May 10 | | |
| COL | e(P) | 16 57 06 |
| | e | 59 45 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 10 | | |
| RC | eP | 18 34 13 |
| May 10 | | |
| EUR | eP | 19 04 47 |
| May 10 | | |
| RC | eP | 19 11 36 |
| May 10 | | |
| TUC | e(P) | 19 41 52 |
| | e | 42 03 |
| TUC-T | eP | 19 41 53 |
| | e | 42 03 |
| May 10 | | |
| COL | iP | 23 10 09 |
| EUR | iP | 23 09 46 |
| TUC | iP | 23 09 47 |
| TUC-T | iP | 23 09 48 |
| May 11 | | |
| COL | eP | 01 49 31 |
| | e | 50 15 |
| EUR | eP | 01 53 22 |
| May 11 | | |
| EUR | eP | 02 04 04 |
| TUC-T | eP | 02 04 03 |
| May 11 | | |
| COL | eP | 02 19 49 |
| May 11 | | |
| EUR | eP | 05 27 43 |
| May 11 | | |
| EUR | eP | 07 17 39 |
| May 11 | | |
| COL | iP | 08 51 03 |
| May 11 | | |
| COL | iP | 09 07 19 |
| EUR | eP | 09 06 49 |
| TUC | eP | 09 06 50 |
| TUC-T | iP | 09 06 51 |
| May 11 | | |
| TUC-T | eP | 09 12 05 |
| May 11 | | |
| TUC-T | e(P) | 13 20 52 |
| May 11 | | |
| EUR | eP | 13 49 23 |
| HH | eP | 13 50 15 |
| May 11 | | |
| HH | e(P) | 14 07 09 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 11 | | |
| HH | iP | 14 13 29 |
| May 11 | | |
| EUR | eP | 16 18 38 |
| May 11 | | |
| BC | eP | 16 38 55 |
| | epP | 39 09 |
| BOZ | eP | 16 38 22 |
| | epP | 38 37 |
| COL | iP | 16 34 45 |
| | i | 34 58 |
| | ipP | 35 07 |
| EUR | iP | 16 38 32 |
| | i | 38 46 |
| HH | iP | 16 37 56 |
| | iPcP | 39 11 |
| | i | 39 27 |
| RC | iP | 16 38 57 |
| | ipP | 39 12 |
| SLC | iP | 16 38 42 |
| SIT | eP | 16 35 53 |
| THULE | iP | 16 37 18 |
| | ePcP | 38 53 |
| TUC | iP | 16 39 29 |
| | ipP | 39 44 |
| TUC-T | iP | 16 39 29 |
| | ipP | 39 43 |
| | e | 40 18 |
| | eP'P' | 17 08 16 |
| WASH | iP | 16 40 35 |
| May 11 | | |
| EUR | eP | 18 14 36 |
| HH | e(P) | 18 17 02 |
| TUC-T | eP | 18 16 07 |
| May 11 | | |
| EUR | eP | 21 12 11 |
| May 11 | | |
| EUR | eP | 21 56 32 |
| May 11 | | |
| EUR | eP | 22 29 39 |
| May 11 | | |
| EUR | eP | 23 12 15 |
| May 12 | | |
| COL | iP | 00 47 39 |
| | i | 50 32 |
| THULE | eP | 00 46 57 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 12 | | |
| COL | eP | 01 27 50 |
| | i | 28 03 |
| EUR | iP | 01 31 10 |
| HH | iP | 01 30 42 |
| TUC | eP | 01 32 12 |
| TUC-T | eP | 01 32 12 |
| May 12 | | |
| EUR | eP | 03 35 29 |
| May 12 | | |
| BOZ | eP | 03 51 30 |
| COL | iP | 03 54 31 |
| COLU | eP | 03 48 31 |
| EUR | iP | 03 51 23 |
| | i | 52 53 |
| HH | iP | 03 51 54 |
| RC | iP | 03 50 50 |
| SJ | eP | 03 46 23 |
| | i | 46 32 |
| THULE | iP | 03 53 55 |
| TUC | iP | 03 50 25 |
| | e | 50 37 |
| | ePcP | 52 22 |
| TUC-T | iP | 03 50 24 |
| | e | 50 35 |
| | iPcP | 52 09 |
| WASH | eP | 03 49 12 |
| May 12 | | |
| BC | eP | 05 07 06D |
| | ePP | 09 08 |
| | e(S) | 14 46 |
| BOZ | eP | 05 06 31C |
| | eS | 13 43 |
| | eL | 17 29 |
| BUT | eP | 05 06 24D |
| | ePP | 07 59 |
| | eS | 13 30 |
| COL | iP | 05 02 50 |
| | iPP | 03 47 |
| | i | 05 33 |
| | iS | 07 06 |
| | iL | 08 41 |
| COLU | eP | 05 09 10 |
| | eS | 18 38 |
| EUR | iP | 05 06 42C |
| | e | 11 55 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HONO | iP | 05 05 29C |
| | iPcP | 07 07 |
| | i | 08 36 |
| | iS | 11 56 |
| | i | 12 48 |
| | iL | 15 10 |
| HH | iP | 05 06 05C |
| | ePP | 07 53 |
| | e | 08 52 |
| | e | 11 33 |
| | eS | 13 06 |
| | eL | 19 22 |
| KIP | eP | 05 05 29 |
| RC | iP | 05 07 09 |
| | eL | 27 00 |
| SLC | eP | 05 06 51C |
| | eS | 14 18 |
| | eSS | 18 14 |
| | eL | 22 02 |
| SJ | eP | 05 10 57 |
| SIT | eP | 05 03 56 |
| | e | 05 30 |
| | eS | 09 10 |
| | eL | 14 52 |
| THULE | iP | 05 05 45 |
| TUC | iP | 05 07 41 |
| | e(PP) | 10 18 |
| | iS | 15 54 |
| | eL | 22 44 |
| TUC-T | iP | 05 07 41 |
| | i(PP) | 10 09 |
| | eS | 15 55 |
| | eL | 22 31 |
| | eP'P' | 37 17 |
| UK | eP | 05 06 13 |
| | iPP | 08 05 |
| WASH | eP | 05 08 55 |
| | i | 10 05 |
| | eL | 31 46 |
| May 12 | | |
| TUC-T | eP | 06 32 21 |
| May 12 | | |
| COL | iP | 08 18 23 |
| | isP | 18 57 |
| EUR | iP | 08 19 07 |
| HH | e(P) | 08 19 26 |
| TUC-T | eP | 08 19 29 |
| May 12 | | |
| HH | iP | 09 21 45 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| May 12 | | h m s |
| BC | eP | 09 58 41D |
| | e | 10 00 55 |
| | e(S) | 08 27 |
| BOZ | eP | 09 59 08C |
| | e | 10 00 29 |
| | eS | 10 09 09 |
| BUT | iP | 09 59 12C |
| | ePP | 10 02 01 |
| | eS | 09 22 |
| COL | eP | 10 01 15C |
| | e | 04 03 |
| | i(P') | 05 24 |
| | iPP | 05 40 |
| | eSKS | 11 52 |
| | eS | 13 15 |
| | e(PS) | 15 31 |
| | eL | 30 38 |
| COLU | iP | 09 56 53C |
| | iS | 10 04 56 |
| | e(ScS) | 06 38 |
| | eL | 13 12 |
| EUR | iP | 09 58 57C |
| | e | 10 17 54 |
| GUAM | eP' | 10 06 45 |
| | i | 09 28 |
| HONO | ePP | 10 04 58C |
| | eS | 14 30 |
| | eSS | 18 54 |
| | iPSPS | 19 58 |
| | eSSS | 22 20 |
| | eP'P' | 25 20 |
| HH | iP | 09 59 24C |
| | e | 10 02 21 |
| | ePP | 02 40 |
| | eS | 09 49 |
| | ePS | 10 43 |
| | ePKKP | 17 43 |
| | eP'P' | 25 45 |
| RC | eP | 09 58 40 |
| | iP | 58 41 |
| SLC | iP | 09 58 49C |
| | e | 59 20 |
| | e(S) | 10 08 42 |
| SJ | iP | 09 54 38 |
| | iPcP | 56 21 |
| | eL | 10 12 22 |
| THULE | eP | 10 00 38 |
| | epP | 04 38 |
| | iPKKP | 17 02 |
| | eP'P' | 25 13 |
| TUC | iP | 09 58 11 |
| | e | 59 41 |
| | ePP | 10 00 54 |
| | iS | 07 28 |
| | eL | 21 05 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC-T | iP | 09 58 10 |
| | i | 10 00 05 |
| | ePP | 00 49 |
| | eS | 07 26 |
| UK | iP | 09 59 23 |
| | i | 59 29 |
| WASH | iP | 09 57 19 |
| | iPcP | 57 53 |
| | i | 59 20 |
| May 12 | | |
| BC | eP | 10 25 37 |
| BOZ | eP | 10 26 04 |
| BUT | iP | 10 26 08 |
| COL | eP | 10 32 12 |
| COLU | eP | 10 23 49 |
| EUR | iP | 10 26 53 |
| GUAM | eP' | 10 33 42 |
| HH | iP | 10 26 20 |
| RC | iP | 10 25 36 |
| SLC | eP | 10 25 45 |
| SJ | eP | 10 21 22 |
| | e | 21 35 |
| TUC | iP | 10 25 07 |
| TUC-T | iP | 10 25 06 |
| | i | 25 13 |
| WASH | eP | 10 24 18 |
| May 12 | | |
| EUR | eP | 10 59 49 |
| May 12 | | |
| BC | eP | 11 34 34 |
| | e | 34 47 |
| COL | e(P) | 11 38 00 |
| | i | 39 06 |
| | i | 39 51 |
| EUR | eP | 11 34 59 |
| | i | 35 12 |
| HH | eP | 11 35 47 |
| | i | 37 54 |
| | i | 41 41 |
| RC | e(P) | 11 35 51 |
| TUC | eP | 11 33 48 |
| | e | 34 41 |
| TUC-T | iP | 11 33 48 |
| | i | 34 03 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 12 | | |
| TUC-T | e(P) | 11 40 56 |
| May 12 | | |
| COL | iP | 12 03 30 |
| May 12 | | |
| COL | e(P) | 12 42 12 |
| EUR | eP | 12 45 53 |
| | i | 46 23 |
| May 12 | | |
| EUR | iP | 13 16 39 |
| TUC-T | iP | 13 15 51 |
| | i | 16 22 |
| May 12 | | |
| GUAM | iP | 14 24 45 |
| | iS | 24 55 |
| May 12 | | |
| HH | iP | 14 55 07 |
| TUC-T | eP | 14 56 52 |
| May 12 | | |
| COL | iP | 15 58 40 |
| EUR | eP | 15 58 14 |
| TUC-T | iP | 15 58 14 |
| May 12 | | |
| COL | eP | 18 08 42 |
| | i | 09 06 |
| May 12 | | |
| EUR | eP | 18 34 03 |
| HH | e(P) | 18 34 29 |
| TUC-T | eP | 18 33 17 |
| May 12 | | |
| EUR | eP | 19 01 40 |
| TUC-T | eP | 19 01 53 |
| May 12 | | |
| BC | eP | 21 48 51 |
| BOZ | eP | 21 48 24 |
| BUT | eP | 21 48 14 |
| | e | 49 20 |
| | ePP | 50 06 |
| COL | iP | 21 45 02 |
| | i | 45 33 |
| | e | 46 04 |
| | eS | 48 44 |
| | eL | 50 34 |
| EUR | iP | 21 48 26 |
| | i | 48 37 |
| | i | 48 53 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HH | iP | 21 47 57 |
| | ePP | 49 36 |
| | eS | 54 01 |
| | eL | 22 00 15 |
| KIP | eP | 21 47 06 |
| RC | iP | 21 49 07 |
| SLC | eP | 21 48 41 |
| | e | 49 06 |
| SJ | eP | 21 53 17 |
| | e | 53 38 |
| SIT | eP | 21 45 49 |
| | e | 45 59 |
| | i | 46 07 |
| THULE | iP | 21 48 38 |
| | iPP | 50 20 |
| | iPPP | 51 08 |
| | e | 53 16 |
| | i | 54 11 |
| TUC | e(P) | 21 49 29 |
| | e | 49 40 |
| TUC-T | iP | 21 49 29 |
| | i | 49 40 |
| UK | eP | 21 48 02 |
| WASH | iP | 21 51 12 |
| May 12 | | |
| EUR | eP | 22 01 38 |
| May 12 | | |
| BC | eP | 22 08 24 |
| BOZ | eP | 22 07 58 |
| | e | 08 11 |
| | ePP | 09 33 |
| BUT | eP | 22 07 49 |
| | ePPP | 09 54 |
| | eS | 14 04 |
| COL | eP | 22 04 35 |
| | i | 05 08 |
| | e | 06 04 |
| | eS | 08 22 |
| | eL | 10 08 |
| EUR | iP | 22 08 01 |
| | i | 11 25 |
| HH | iP | 22 07 31 |
| | ePP | 09 04 |
| | eS | 13 33 |
| | eL | 16 33 |
| KIP | eP | 22 06 15 |
| RC | iP | 22 08 42 |
| | eS | 15 44 |

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| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| SLC | eP | | 22 08 16 |
| SJ | eP | | 22 12 51 |
| SIT | iP | | 22 05 23 |
| THULE | iP | | 22 08 12 |
| | iPP | | 09 54 |
| | i | | 11 32 |
| | i | | 13 44 |
| TUC | eP | | 22 09 03 |
| | i | | 09 17 |
| TUC-T | eP | | 22 09 03 |
| | i | | 09 16 |
| UK | e(P) | | 22 07 27 |
| | e | | 07 33 |
| | ePcP | | 09 25 |
| WASH | iP | | 22 10 48 |
| | iPcP | | 11 28 |
| May 12 | | | |
| COL | iP | | 22 42 40 |
| EUR | iP | | 22 45 45 |
| HH | iP | | 22 45 20 |
| THULE | iP | | 22 44 31 |
| TUC-T | eP | | 22 46 28 |
| May 12 | | | |
| COL | eP | | 23 56 32 |
| EUR | eP | | 23 56 31 |
| HH | e(P) | | 23 56 38 |
| May 13 | | | |
| EUR | eP | | 00 05 17 |
| May 13 | | | |
| COL | eP | | 01 01 01 |
| | e | | 02 56 |
| EUR | iP | | 01 00 43 |
| TUC-T | eP | | 01 00 49 |
| May 13 | | | |
| COL | eP | | 01 13 31 |
| EUR | iP | | 01 13 32 |
| TUC | eP | | 01 13 45 |
| TUC-T | eP | | 01 13 46 |
| May 13 | | | |
| HH | e(P) | | 01 17 24 |
| May 13 | | | |
| COL | i(P) | | 03 40 52 |
| May 13 | | | |
| EUR | eP | | 04 25 44 |
| HH | e(P) | | 04 26 45 |
| May 13 | | | |
| COL | iP | | 10 04 14 |
| EUR | iP | | 10 03 43 |
| HH | iP | | 10 04 14 |
| TUC | iP | | 10 03 43 |
| TUC-T | iP | | 10 03 44 |
| | e | | 04 07 |
| May 13 | | | |
| COL | eP | | 12 42 58 |
| EUR | eP | | 12 46 14 |
| HH | e(P) | | 12 45 57 |
| THULE | eP | | 12 46 42 |
| TUC-T | eP | | 12 47 18 |
| May 13 | | | |
| BUT | eP | | 16 43 13 |
| EUR | iP | | 16 42 54 |
| HH | iP | | 16 43 22 |
| TUC | iP | | 16 42 12 |
| TUC-T | eP | | 16 42 08 |
| | i | | 42 12 |
| May 13 | | | |
| EUR | eP | | 18 19 21 |
| TUC-T | eP | | 18 19 18 |
| May 13 | | | |
| EUR | eP | | 20 08 13 |
| May 13 | | | |
| HH | i(P) | | 20 38 44 |
| May 13 | | | |
| COLU | eP | | 21 51 10 |
| | i | | 51 24 |
| May 13 | | | |
| COLU | iP | | 22 10 58 |
| May 14 | | | |
| EUR | eP | | 01 03 08 |
| TUC | eP | | 01 01 15 |
| | e(S) | | 02 37 |
| | eL | | 02 40 |
| TUC-T | eP | | 01 01 15 |
| | eL | | 02 40 |
| May 14 | | | |
| COL | e(P) | | 01 06 03 |
| | e | | 06 33 |
| EUR | iP | | 01 07 52 |
| | i | | 08 03 |
| | e | | 09 55 |
| | i | | 11 12 |
| HH | eP | | 01 07 42 |
| | i | | 08 17 |
| RC | eP | | 01 08 24 |
| | e | | 11 21 |
| TUC-T | eP | | 01 11 39 |
| May 14 | | | |
| TUC | e(P) | | 02 44 14 |
| | e | | 44 36 |
| | iS | | 45 32 |
| | eL | | 45 35 |
| TUC-T | eP | | 02 44 11 |
| | eL | | 45 37 |
| May 14 | | | |
| COL | iP | | 04 33 46 |
| | ipP | | 34 08 |
| EUR | eP | | 04 33 14 |
| HH | iP | | 04 33 45 |
| TUC | eP | | 04 33 17 |
| | e | | 33 31 |
| TUC-T | eP | | 04 33 14 |
| | i | | 33 32 |
| May 14 | | | |
| COL | eP | | 05 27 44 |
| | iS | | 28 31 |
| | iL | | 28 44 |
| EUR | eP | | 05 32 52 |
| HH | iP | | 05 31 57 |
| May 14 | | | |
| COL | iP | | 06 39 12 |
| HH | iP | | 06 39 57 |
| THULE | iP | | 06 36 45 |
| May 14 | | | |
| BOZ | eP | | 06 50 03 |
| | e | | 50 22 |
| BUT | eP | | 06 49 59 |
| | ePP | | 53 13 |
| | ePPP | | 55 22 |
| | eS | | 07 00 04 |
| COL | iP | | 06 49 06 |
| | iS | | 59 12 |
| | iPPS | | 07 00 04 |
| | eSS | | 04 22 |
| | eL | | 08 36 |
| COLU | eP | | 06 49 19 |
| | eS | | 59 32 |
| EUR | iP | | 06 50 30 |
| HH | iP | | 06 49 51 |
| | ePP | | 53 29 |
| | eS | | 07 00 37 |
| | e(SS) | | 07 29 |
| | eL | | 15 21 |
| RC | iP | | 06 49 46 |
| SJ | iP | | 06 49 08 |
| SIT | iP | | 06 49 42 |
| THULE | iP | | 06 46 39 |
| | iPcP | | 47 41 |
| | eS | | 54 26 |
| | eP' P' | | 07 16 42 |
| TUC | eP | | 06 50 47 |
| | ePP | | 54 50 |
| TUC-T | iP | | 06 50 46 |
| | ePP | | 54 51 |
| UK | ePP | | 06 54 53 |
| WASH | iP | | 06 48 49 |
| | eScS | | 59 36 |
| May 14 | | | |
| TUC | eP | | 07 01 30 |
| May 14 | | | |
| EUR | eP | | 07 07 49 |
| May 14 | | | |
| EUR | iP | | 08 00 46 |
| RC | eP | | 08 00 30 |
| May 14 | | | |
| EUR | eP | | 08 28 15 |
| TUC | eP | | 08 26 24 |
| | e | | 26 46 |
| | iS | | 27 42 |
| | iL | | 27 46 |
| TUC-T | eP | | 08 26 25 |
| | i | | 26 51 |
| | iL | | 27 48 |
| May 14 | | | |
| BC | e(P) | | 08 30 02 |
| COL | iP | | 08 30 42 |
| | epP | | 31 07 |
| EUR | iP | | 08 31 37 |
| May 14 | | | |
| UK | e(P) | | 08 41 08 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 14 | | |
| BC | eP | 09 46 26 |
| COL | eP | 09 46 22 |
| EUR | iP | 09 46 29 |
| GUAM | iP | 09 41 07 |
| HH | e(P) | 09 47 39 |
| TUC | iP | 09 46 34 |
| TUC-T | iP | 09 46 34 |
| May 14 | | |
| COL | iP | 09 54 56 |
| | i | 55 06 |
| | i | 55 23 |
| EUR | eP | 09 54 21 |
| HH | eP | 09 54 53 |
| TUC | iP | 09 54 20 |
| | e | 54 30 |
| TUC-T | iP | 09 54 21 |
| | i | 54 31 |
| May 14 | | |
| BC | eP | 10 54 53 |
| COL | eP | 10 54 49 |
| | e | 58 20 |
| EUR | iP | 10 54 55 |
| | epP | 55 29 |
| TUC | eP | 10 55 01 |
| TUC-T | iP | 10 55 01 |
| | i | 55 07 |
| May 14 | | |
| COL | iP | 11 38 38 |
| HH | iP | 11 39 23 |
| May 14 | | |
| BC | eP | 12 02 16 |
| COL | eP | 12 02 13 |
| EUR | iP | 12 02 18 |
| | ipP | 02 44 |
| HH | e(P) | 11 57 14 |
| TUC | eP | 12 02 24 |
| TUC-T | eP | 12 02 24 |
| May 14 | | |
| EUR | eP | 12 58 17 |
| TUC-T | eP | 12 58 23 |
| May 14 | | |
| BC | eP | 13 32 22 |
| COL | eP | 13 32 19 |
| | ePP | 35 50 |
| EUR | iP | 13 32 24 |
| HH | e(P) | 13 33 00 |
| THULE | eP | 13 38 01 |
| TUC | iP | 13 32 30 |
| TUC-T | iP | 13 32 30 |
| | e | 36 07 |
| UK | eP | 13 32 02 |
| May 14 | | |
| EUR | eP | 14 14 38 |
| May 14 | | |
| COL | eP | 16 46 52 |
| May 14 | | |
| COL | eP | 16 55 07 |
| EUR | iP | 16 51 21 |
| | i | 51 33 |
| | i | 51 40 |
| HH | iP | 16 49 51 |
| | i | 50 04 |
| | e | 52 01 |
| | i | 52 16 |
| RC | eP | 16 51 00 |
| May 14 | | |
| COL | eP | 17 41 45 |
| EUR | eP | 17 44 15 |
| HH | iP | 17 43 57 |
| May 14 | | |
| EUR | eP | 19 03 16 |
| May 14 | | |
| HH | eP | 19 34 52 |
| THULE | eP | 19 31 35 |
| May 14 | | |
| COL | eP | 20 09 14 |
| EUR | iP | 20 10 22 |
| | ipP | 10 48 |
| HH | iP | 20 10 52 |
| | i | 11 20 |
| SJ | eP | 20 06 09 |
| | e | 06 35 |
| | i | 06 40 |
| TUC-T | iP | 20 09 33 |
| | i | 09 59 |
| | e | 10 13 |
| May 14 | | |
| COL | iP | 21 26 17 |
| | i(S) | 27 16 |
| | iL | 27 22 |
| HH | iP | 21 30 17 |
| May 14 | | |
| COL | eP | 23 29 42 |
| EUR | iP | 23 31 47 |
| HH | iP | 23 31 39 |
| May 15 | | |
| COL | iP | 01 36 33 |
| EUR | iP | 01 40 21 |
| HH | eP | 01 39 43 |
| | i | 40 57 |
| RC | iP | 01 40 44 |
| THULE | eP | 01 38 55 |
| TUC | eP | 01 41 16 |
| May 15 | | |
| TUC | eP | 02 29 20 |
| TUC-T | eP | 02 29 19 |
| May 15 | | |
| BH | eP | 07 52 43 |
| BUT | eP | 07 56 28 |
| COL | iP | 07 59 51 |
| COLU | eP | 07 54 34 |
| | eS | 58 40 |
| EUR | iP | 07 55 58 |
| | ipP | 56 18 |
| HH | iP | 07 56 48 |
| RC | eP | 07 55 45 |
| | epP | 56 12 |
| THULE | eP | 07 59 56 |
| TUC | eP | 07 54 45 |
| | i | 54 55 |
| | e | 08 03 17 |
| TUC-T | iP | 07 54 44 |
| | i | 54 54 |
| May 15 | | |
| TUC | eP | 09 33 56 |
| TUC-T | eP | 09 33 56 |
| May 15 | | |
| COL | eP | 12 42 28 |
| May 15 | | |
| EUR | eP | 13 00 24 |
| May 15 | | |
| HH | eP | 13 16 05 |
| TUC-T | e(P) | 13 14 23 |
| | e | 14 28 |
| May 15 | | |
| EUR | eP | 13 59 33 |
| May 15 | | |
| BC | eP | 14 48 07 |
| | e | 48 16 |
| BOZ | eP | 14 49(06) |
| BUT | eP | 14 49 12 |
| COL | iP | 14 52 44 |
| | i | 52 54 |
| COLU | eP | 14 47 56 |
| EUR | iP | 14 48 36 |
| | i | 48 46 |
| | i | 49 44 |
| HH | iP | 14 49 33 |
| | i | 49 42 |
| RC | eP | 14 48 37 |
| | e | 49 17 |
| | eL | 57 23 |
| SLC | eP | 14 48 29 |
| | e | 48 38 |
| THULE | iP | 14 53 05 |
| TUC | iP | 14 47 14 |
| | i | 47 23 |
| | e(S) | 51 04 |
| | eL | 52 48 |
| TUC-T | iP | 14 47 14 |
| | i | 47 23 |
| | iL | 52 57 |
| May 15 | | |
| SJ | iP | 17 51 45 |
| | eL | 52 16 |
| May 15 | | |
| SJ | iP | 18 38 35 |
| | eL | 39 29 |
| May 15 | | |
| COL | eP | 18 49 07 |
| COLU | eP | 18 42 41 |
| EUR | iP | 18 46 42 |
| HH | eP | 18 46 46 |
| RC | eP | 18 45 38 |
| TUC-T | eP | 18 46 03 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 15 | | |
| RC | eP | 19 07 53 |
| May 15 | | |
| EUR | iP | 20 20 49 |
| TUC-T | eP | 20 19 33 |
| May 15 | | |
| HH | i(P) | 21 05 26 |
| May 15 | | |
| COL | e(P) | 22 29 19 |
| HH | e(P) | 22 32 08 |
| May 15 | | |
| TUC | eP | 22 43 19 |
| May 16 | | |
| COL | iP | 04 59 18 |
| | iS | 59 56 |
| | iL | 05 00 04 |
| May 16 | | |
| BC | eP | 05 05 50 |
| BOZ | e | 05 14 46 |
| EUR | iP | 05 05 18 |
| | ipP | 05 49 |
| HH | iP | 05 04 18 |
| | eL | 12 45 |
| SIT | e(P) | 05 01 34 |
| | eL | 05 55 |
| TUC | eP | 05 06 28 |
| TUC-T | iP | 05 06 28 |
| May 16 | | |
| BC | eP | 06 29 49 |
| | epP | 30 03 |
| | ePP | 33 29 |
| BOZ | eP | 06 30 18 |
| BUT | eP | 06 30 12 |
| | e(PP) | 33 46 |
| COL | iP | 06 28 38 |
| | ipP | 29 01 |
| | eS | 38 47 |
| | ePS | 39 46 |
| | eSS | 44 03 |
| | eL | 50 02 |
| | eP'P' | 55 16 |
| COLU | eP' | 06 35 20 |
| EUR | iP | 06 29 36C |
| | ipP | 29 57 |
| | i | 30 07 |
| | iPP | 33 47 |
| | ePKKP | 46 44 |
| | iP'P' | 54 46 |
| GUAM | iP | 06 21 00 |
| | eS | 24 40 |
| | eL | 25 59 |
| HONO | eP | 06 25 49 |
| | iS | 33 26 |
| | eSS | 37 00 |
| | isSS | 37 40 |
| | eT | 07 20 56 |
| | iT | 23 44 |
| HH | eP | 06 29 44C |
| | ipP | 30 08 |
| | isP | 30 18 |
| | ePP | 33 27 |
| | eSP | 42 17 |
| | iPKKP | 46 38 |
| | eP'P' | 54 49 |
| KIP | eP | 06 25 52 |
| RC | e(P) | 06 30 26 |
| | epP | 30 41 |
| SLC | eP | 06 30 14 |
| | epP | 30 50 |
| SJ | eP' | 06 35 48 |
| | e | 35 54 |
| | ePP | 39 02 |
| | ipPP | 39 22 |
| SIT | iP | 06 29 15D |
| | ipP | 29 27 |
| TUC | eP | 06 30 19D |
| | ePP | 33 52 |
| | ePS | 42 36 |
| | eP'P' | 55 14 |
| TUC-T | eP | 06 30 17D |
| | iPP | 33 51 |
| | ePKKP | 46 40 |
| UK | eP | 06 29 33 |
| | e | 57 37 |
| WASH | eP' | 06 35 14 |
| | iPP | 37 07 |
| | i | 39 39 |
| | iPPS | 48 33 |
| | eL | 07 12 05 |
| May 16 | | |
| COL | iP | 07 43 34 |
| | ipP | 43 55 |
| EUR | eP | 07 44 31 |
| GUAM | eP | 07 36 01 |
| HH | iP | 07 48 35 |
| SIT | eP | 07 45 36 |
| | ipP | 46 52 |
| May 16 | | |
| EUR | iP | 07 56 13 |
| HH | e(P) | 07 57 08 |
| TUC | eP | 07 54 49 |
| TUC-T | eP | 07 54 51 |
| | e | 54 56 |
| | eL | 08 00 08 |
| May 16 | | |
| COL | iP | 08 10 21 |
| EUR | iP | 08 13 46 |
| HH | iP | 08 13 15 |
| | i | 13 53 |
| RC | eP | 08 14 07 |
| TUC | eP | 08 14 35 |
| TUC-T | eP | 08 14 35 |
| May 16 | | |
| COL | eP | 08 30 29 |
| HH | iP | 08 31 14 |
| May 16 | | |
| HH | e(P) | 09 15 57 |
| May 16 | | |
| EUR | eP | 10 22 31 |
| May 16 | | |
| GUAM | eP | 11 58 13 |
| May 16 | | |
| COL | eP | 12 03 16 |
| EUR | iP | 12 05 59 |
| HH | iP | 12 05 40 |
| RC | eP | 12 06 27 |
| May 16 | | |
| HH | e(P) | 13 31 58 |
| May 16 | | |
| COL | eP | 14 36 11 |
| May 16 | | |
| EUR | eP | 15 12 41 |
| May 16 | | |
| EUR | eP | 15 57 44 |
| May 16 | | |
| EUR | eP | 17 04 29 |
| May 16 | | |
| HH | e(P) | 22 35 56 |
| May 17 | | |
| EUR | eP | 04 03 27 |
| May 17 | | |
| EUR | eP | 06 32 36 |
| May 17 | | |
| BOZ | eP | 10 57 30 |
| | e | 57 39 |
| | eS | 58 03 |
| | eL | 58 34 |
| BUT | eP | 10 57 16 |
| | eS | 57 33 |
| | eL | 58 09 |
| EUR | e(P) | 10 58 52 |
| | eS | 11 00 18 |
| | eL | 00 52 |
| HH | iP | 10 57 13 |
| | iS | 57 29 |
| | iL | 57 34 |
| RC | eP | 10 58 44 |
| | e | 59 17 |
| | eL | 11 00 37 |
| SLC | eP | 10 58 58 |
| May 17 | | |
| COL | eP | 11 07 45 |
| EUR | iP | 11 10 00 |
| HH | iP | 11 09 49 |
| | e | 10 17 |
| May 17 | | |
| EUR | iP | 11 40 27 |
| May 17 | | |
| TUC | e(P) | 12 58 05 |
| | e | 58 21 |
| | eL | 59 20 |
| TUC-T | e(P) | 12 58 06 |
| | e | 58 23 |
| | eL | 59 21 |
| May 17 | | |
| TUC | eP | 17 24 21 |
| TUC-T | eP | 17 24 21 |
| May 17 | | |
| COL | iP | 18 42 14 |
| May 17 | | |
| COL | iP | 19 21 38 |
| | i | 21 49 |
| EUR | iP | 19 25 25 |
| HH | eP | 19 24 49 |
| | i | 26 03 |
| RC | iP | 19 25 49 |
| THULE | iP | 19 24 12 |
| TUC | eP | 19 26 20 |
| TUC-T | eP | 19 26 20 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 17 | | |
| HH | i(P) | 20 57 42 |
| May 17 | | |
| RC | eP | 22 13 20 |
| May 18 | | |
| EUR | eP | 02 01 43 |
| May 18 | | |
| EUR | eP | 02 04 46 |
| May 18 | | |
| COL | iP | 03 52 24 |
| | iS | 52 50 |
| | iL | 52 54 |
| EUR | eP | 03 57 56 |
| | i | 58 12 |
| HH | iP | 03 56 58 |
| TUC | e(P) | 03 59 25 |
| TUC-T | eP | 03 59 09 |
| May 18 | | |
| EUR | eP | 04 05 43 |
| May 18 | | |
| COL | iP | 05 52 21 |
| | i | 52 42 |
| May 18 | | |
| EUR | eP | 06 31 40 |
| HH | iP | 06 31 50 |
| RC | eP | 06 32 01 |
| May 18 | | |
| COL | iP | 07 29 18 |
| COLU | eP | 07 35 36 |
| EUR | iP | 07 32 55 |
| HH | iP | 07 32 22 |
| | i | 32 31 |
| | iPcP | 34 06 |
| RC | iP | 07 33 29 |
| SJ | iP | 07 37 22 |
| THULE | eP | 07 32 28 |
| TUC | eP | 07 33 54 |
| | e | 34 05 |
| TUC-T | e(P) | 07 34 05 |
| | e | 34 55 |
| May 18 | | |
| COL | eP | 08 46 38 |
| May 18 | | |
| EUR | eP | 09 08 52 |
| HH | iP | 09 08 32 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 18 | | |
| COL | eP | 10 03 00 |
| May 18 | | |
| COL | iP | 11 11 53 |
| May 18 | | |
| EUR | eP | 11 48 51 |
| RC | eP | 11 49 32 |
| May 18 | | |
| TUC-T | eP | 14 17 42 |
| May 18 | | |
| COL | iP | 15 05 21 |
| May 18 | | |
| EUR | eP | 17 25 34 |
| May 18 | | |
| EUR | eP | 18 21 12 |
| May 18 | | |
| EUR | eP | 18 43 40 |
| May 18 | | |
| EUR | eP | 19 11 51 |
| May 18 | | |
| RC | e(P) | 21 29 35 |
| May 19 | | |
| COL | iP | 00 11 06 |
| May 19 | | |
| COL | eP | 01 22 56 |
| May 19 | | |
| COL | eP | 03 04 32 |
| May 19 | | |
| RC | eP | 03 27 23 |
| May 19 | | |
| EUR | eP | 03 55 50 |
| | e | 59 30 |
| TUC | eP | 03 54 07 |
| | e | 54 22 |
| | iS | 55 16 |
| | iL | 55 18 |
| TUC-T | eP | 03 54 08 |
| | e | 54 24 |
| | iL | 55 19 |
| May 19 | | |
| BC | eP | 03 57 03 |
| HH | eP | 03 57 39 |
| May 19 | | |
| SJ | iP | 07 17 12 |
| | iS | 17 57 |
| | eL | 17 59 |
| May 19 | | |
| GUAM | iP | 07 55 57 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 19 | | |
| COL | eP | 08 02 45 |
| May 19 | | |
| COL | iP | 08 47 52 |
| EUR | iP | 08 47 21 |
| HH | eP | 08 47 51 |
| TUC | eP | 08 47 21 |
| TUC-T | iP | 08 47 21 |
| May 19 | | |
| HH | e(P) | 10 42 02 |
| | e | 42 22 |
| May 19 | | |
| HH | e(P) | 12 20 09 |
| May 19 | | |
| COL | iP | 15 29 44 |
| EUR | eP | 15 36 15 |
| HH | e(P) | 15 35 01 |
| THULE | e(P) | 15 28 34 |
| | i | 28 37 |
| May 19 | | |
| COL | eP | 15 53 11 |
| May 19 | | |
| COL | eP | 19 01 41 |
| EUR | iP | 19 03 59 |
| GUAM | eP | 18 53 52 |
| HH | iP | 19 03 47 |
| THULE | iP | 19 03 42 |
| May 19 | | |
| EUR | eP | 19 13 09 |
| May 19 | | |
| EUR | iP | 23 34 07 |
| May 20 | | |
| BC | eP | 01 00 05 |
| BOZ | eP | 01 01 09 |
| | e | 01 25 |
| BUT | eP | 01 01 09 |
| COL | eP | 01 03 11 |
| COLU | eP | 01 00 39 |
| EUR | iP | 01 00 29 |
| | e | 29 41 |
| HH | iP | 01 01 23 |
| | iPPP | 05 26 |
| RC | iP | 01 01 01 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SLC | eP | 01 00 37 |
| SIT | eP | 01 02 25 |
| TUC | eP | 00 59 38 |
| | eL | 01 16 46 |
| TUC-T | iP | 00 59 39 |
| | e | 01 00 09 |
| WASH | eP | 01 01 16 |
| May 20 | | |
| EUR | eP | 01 13 41 |
| May 20 | | |
| EUR | eP | 01 21 01 |
| TUC-T | eP | 01 19 38 |
| | e | 19 51 |
| May 20 | | |
| EUR | eP | 01 55 57 |
| HH | iP | 01 55 50 |
| May 20 | | |
| COL | e(P) | 06 20 47 |
| HH | iP | 06 22 57 |
| May 20 | | |
| EUR | e(P) | 08 00 00 |
| | i | 00 12 |
| | eS | 01 02 |
| | eL | 01 07 |
| TUC | e(P) | 08 01 15 |
| | e | 02 36 |
| May 20 | | |
| EUR | eP | 08 44 15 |
| TUC | eP | 08 44 13 |
| TUC-T | eP | 08 44 14 |
| May 20 | | |
| UK | e(P) | 10 06 10 |
| May 20 | | |
| COL | eP | 10 15 28 |
| HH | iP | 10 18 24 |
| | i | 18 40 |
| | e | 20 41 |
| | e | 24 21 |
| TUC | e(P) | 10 20 03 |
| TUC-T | eP | 10 20 05 |
| May 20 | | |
| BUT | eP | 11 37 54 |
| COL | iP | 11 35 19 |
| | ipP | 36 48 |

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| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| EUR | iP | | 11 38 03 |
| | i | | 38 20 |
| | i | | 38 34 |
| | ipP | | 39 39 |
| | iPP | | 41 13 |
| HH | iP | | 11 37 42 |
| | epP | | 39 16 |
| KIP | eP | | 11 35 44 |
| RC | iP | | 11 38 25 |
| SLC | eP | | 11 38 12 |
| SIT | iP | | 11 36 10 |
| THULE | iP | | 11 36 56 |
| | iPcP | | 37 29 |
| TUC | eP | | 11 38 40 |
| TUC-T | eP | | 11 38 40 |
| May 20 | | | |
| TUC | e(P) | | 12 25 54 |
| May 20 | | | |
| COL | iP | | 12 54 13 |
| HH | eP | | 12 53 25 |
| May 20 | | | |
| SJ | e(P) | | 14 03 29 |
| | e | | 03 36 |
| May 20 | | | |
| COL | eP | | 15 51 12 |
| EUR | iP | | 15 54 40 |
| May 20 | | | |
| COL | eP | | 16 48 54 |
| RC | e(P) | | 16 49 40 |
| May 20 | | | |
| COL | iP | | 16 59 26 |
| May 20 | | | |
| EUR | eP | | 18 41 26 |
| RC | eP | | 18 41 16 |
| May 20 | | | |
| EUR | iP | | 19 01 30 |
| May 20 | | | |
| TUC-T | e(P) | | 19 39 24 |
| May 20 | | | |
| BC | iP | | 19 46 16 |
| | epP | | 46 31 |
| BOZ | eP | | 19 45 51 |
| | epP | | 46 06 |
| BUT | eP | | 19 45 43 |
| | epP | | 46 00 |
| COL | iP | | 19 42 38 |
| | i | | 43 23 |
| | iPP | | 43 58 |
| | eS | | 48 39 |
| | e | | 52 13 |
| | eL | | 54 20 |
| COLU | eP | | 19 48 04 |
| EUR | iP | | 19 45 58 |
| | ipP | | 46 15 |
| | iPP | | 48 28 |
| | eL | | 20 02 45 |
| HONO | eP | | 19 44 08 |
| HH | iP | | 19 45 29 |
| KIP | eP | | 19 43 53 |
| | ipP | | 44 08 |
| RC | iP | | 19 46 22 |
| SLC | eP | | 19 46 08 |
| SIT | iP | | 19 43 38 |
| | epP | | 43 54 |
| THULE | iP | | 19 44 49 |
| | i(pP) | | 45 01 |
| | iPP | | 46 46 |
| TUC | iP | | 19 46 46 |
| | e | | 47 10 |
| TUC-T | iP | | 19 46 45 |
| | epP | | 47 00 |
| | ePP | | 49 43 |
| WASH | iP | | 19 47 52 |
| May 20 | | | |
| THULE | iP | | 19 58 40 |
| May 20 | | | |
| COL | iP | | 20 00 47 |
| HH | eP | | 20 02 05 |
| RC | eP | | 20 02 10 |
| WASH | iP | | 20 01 36 |
| May 20 | | | |
| COL | eP | | 20 18 14 |
| EUR | eP | | 20 21 35 |
| May 20 | | | |
| SJ | eP | | 21 31 42 |
| | i | | 31 50 |
| | e(S) | | 32 05 |
| | eL | | 32 07 |
| May 20 | | | |
| EUR | e(P) | | 22 01 44 |
| May 20 | | | |
| COL | eP | | 22 13 14 |
| EUR | iP | | 22 16 34 |
| May 21 | | | |
| EUR | eP | | 02 23 58 |
| May 21 | | | |
| EUR | eP | | 02 28 37 |
| | epP | | 29 22 |
| TUC | eP | | 02 28 33 |
| TUC-T | iP | | 02 28 34 |
| | e | | 29 20 |
| May 21 | | | |
| COL | iP | | 02 34 33 |
| GUAM | eP | | 02 28 02 |
| HH | eP | | 02 36 31 |
| | e | | 36 52 |
| May 21 | | | |
| EUR | eP | | 03 10 38 |
| TUC | iP | | 03 09 07 |
| | eL | | 13 32 |
| TUC-T | iP | | 03 09 07 |
| | e | | 09 17 |
| | eL | | 13 32 |
| May 21 | | | |
| COL | iP | | 03 42 24 |
| | eL | | 45 24 |
| HH | e(P) | | 03 45 30 |
| RC | eP | | 03 46 52 |
| May 21 | | | |
| COL | eP | | 03 53 52 |
| | eL | | 57 02 |
| EUR | eP | | 03 57 46 |
| HH | e(P) | | 03 57 00 |
| May 21 | | | |
| EUR | eP | | 03 59 25 |
| May 21 | | | |
| BC | eP | | 06 59 35 |
| BOZ | eP | | 06 59 05 |
| COL | eP | | 06 55 40 |
| | i | | 55 51 |
| | i | | 56 23 |
| | eS | | 59 01 |
| | eL | | 59 48 |
| COLU | eP | | 07 02 12 |
| EUR | iP | | 06 59 10 |
| | i | | 59 30 |
| | iPcP | | 07 01 17 |
| | iScP | | 05 02 |
| HH | iP | | 06 58 38 |
| | iPcP | | 07 01 06 |
| | iScP | | 04 48 |
| KIP | eP | | 06 58 12 |
| | ePP | | 59 17 |
| RC | iP | | 06 59 49 |
| SJ | iP | | 07 04 11 |
| SIT | e(P) | | 06 56 24 |
| THULE | iP | | 06 59 36 |
| TUC | iP | | 07 00 14 |
| TUC-T | iP | | 07 00 14 |
| May 21 | | | |
| COL | iP | | 07 00 23 |
| May 21 | | | |
| EUR | iP | | 07 12 37 |
| HH | iP | | 07 13 16 |
| RC | eP | | 07 12 20 |
| SJ | eP | | 07 08 49 |
| | i | | 09 15 |
| TUC | iP | | 07 11 37 |
| TUC-T | iP | | 07 11 37 |
| May 21 | | | |
| BC | eP | | 08 45 19 |
| EUR | eP | | 08 45 58 |
| HH | e(P) | | 08 47 13 |
| RC | eP | | 08 46 36 |
| TUC | eP | | 08 45 20 |
| | e | | 45 38 |
| TUC-T | iP | | 08 45 22 |
| | e | | 45 34 |
| May 21 | | | |
| WASH | eP | | 09 42 43 |
| May 21 | | | |
| COL | eP | | 09 58 22 |
| EUR | eP | | 10 00 54 |
| HH | iP | | 10 00 34 |
| May 21 | | | |
| BC | eP | | 11 46 12 |
| | epP | | 46 29 |
| BOZ | eP | | 11 46 44 |
| | epP | | 46 59 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BUT | eP | 11 46 48 |
| | epP | 47 04 |
| | ePP | 50 02 |
| | eS | 57 08 |
| COL | eP | 11 48 50 |
| | ipP | 49 06 |
| | i(P') | 53 08 |
| | iPP | 53 27 |
| | e | 12 00 55 |
| | eL | 29 12 |
| COLU | eP | 11 44 46 |
| EUR | iP | 11 46 29 |
| | ipP | 46 46 |
| | e(PKKP) | 12 05 18 |
| | eP'P' | 13 16 |
| GUAM | eP' | 11 53 55 |
| | ipP' | 54 12 |
| HH | iP | 11 46 59 |
| | ipP | 47 14 |
| | ePP | 50 19 |
| | eS | 57 30 |
| RC | iP | 11 46 19 |
| SLC | eP | 11 46 35 |
| | epP | 46 40 |
| SJ | eP | 11 42 46 |
| | iP | 42 48 |
| | epP | 43 03 |
| | ePP | 44 37 |
| TUC | iP | 11 46 43 |
| | epP | 47 02 |
| | e(S) | 55 06 |
| | eL | 12 03 04 |
| TUC-T | iP | 11 45 43 |
| | ipP | 45 57 |
| WASH | iP | 11 45 16 |
| | ipP | 45 28 |
| | iPP | 48 06 |
| | eS | 54 11 |
| May 21 | | |
| COL | iP | 12 23 57 |
| EUR | iP | 12 24 49 |
| | e | 25 52 |
| May 21 | | |
| EUR | eP | 15 52 14 |
| | i | 52 30 |
| | i | 53 57 |
| TUC-T | eP | 15 52 17 |
| | eL | 53 30 |
| May 21 | | |
| HH | iP | 15 58 05 |
| May 21 | | |
| EUR | eP | 17 50 19 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC-T | eP | 17 48 53 |
| May 21 | | |
| BC | eP | 17 52 48 |
| | e | 52 58 |
| | eS | 53 56 |
| | eL | 54 44 |
| BOZ | eP | 17 54 03 |
| | e | 56 05 |
| BUT | eP | 17 53 44 |
| | eS | 55 38 |
| | eL | 57 44 |
| COL | eP | 17 57 57 |
| EUR | iP | 17 52 09 |
| HH | eP | 17 54 01 |
| | i | 54 23 |
| | eS | 56 22 |
| | iL | 56 35 |
| RC | eP | 17 54 31 |
| SLC | eP | 17 53 00 |
| | e | 53 18 |
| | e | 53 58 |
| TUC | iP | 17 54 35 |
| | eL | 56 34 |
| TUC-T | eP | 17 54 04 |
| | i | 54 34 |
| | iL | 56 36 |
| UK | iP | 17 52 51 |
| | i | 53 01 |
| | eS | 53 47 |
| | eL | 54 05 |
| May 21 | | |
| RC | e(P) | 20 41 21 |
| May 21 | | |
| COL | eP | 22 35 32 |
| EUR | eP | 22 38 59 |
| HH | eP | 22 38 29 |
| THULE | eP | 22 39 50 |
| May 21 | | |
| EUR | eP | 23 17 03 |
| | i | 17 10 |
| | e(S) | 17 40 |
| | iL | 17 54 |
| May 22 | | |
| EUR | eP | 01 36 09 |
| TUC | eP | 01 34 57 |
| TUC-T | eP | 01 34 57 |
| | i | 34 59 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 22 | | |
| COL | iP | 03 56 16 |
| EUR | eP | 03 55 54 |
| TUC-T | eP | 03 55 55 |
| May 22 | | |
| COL | eP | 04 48 06 |
| | i | 48 27 |
| EUR | eP | 04 51 48 |
| HH | eP | 04 51 19 |
| RC | eP | 04 52 25 |
| THULE | eP | 04 50 47 |
| May 22 | | |
| COL | e(P) | 06 07 26 |
| EUR | eP | 06 10 53 |
| May 22 | | |
| EUR | eP | 06 34 25 |
| TUC-T | eP | 06 34 26 |
| May 22 | | |
| EUR | eP | 07 11 08 |
| | ePP | 15 03 |
| GUAM | iP | 07 06 20 |
| | i | 06 34 |
| | iPP | 08 01 |
| HH | eP' | 07 15 38 |
| RC | eP' | 07 15 41 |
| SJ | eP' | 07 16 07 |
| TUC | eP | 07 11 11 |
| TUC-T | eP | 07 10 55 |
| | ePP | 15 07 |
| WASH | iP' | 07 16 07 |
| | i | 16 25 |
| May 22 | | |
| COL | eP | 07 26 50 |
| EUR | eP | 07 27 26 |
| May 22 | | |
| THULE | eP | 08 43 06 |
| COL | iP | 08 43 04 |
| May 22 | | |
| COL | eP | 08 52 29 |
| May 22 | | |
| EUR | eP | 22 42 00 |
| | iP | 42 10 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| May 23 | | |
| TUC-T | e(P) | 04 04 18 |
| | e | 04 31 |
| May 23 | | |
| COL | e(P) | 05 30 14 |
| May 23 | | |
| EUR | eP | 06 13 24 |
| May 23 | | |
| COL | iP | 10 07 29 |
| EUR | iP | 10 05 04 |
| SJ | eP | 09 57 37 |
| | e | 57 47 |
| | eL | 58 05 |
| TUC | eP | 10 04 20 |
| TUC-T | eP | 10 04 20 |
| May 23 | | |
| EUR | eP | 11 22 40 |
| | eS | 23 49 |
| | eL | 24 04 |
| May 23 | | |
| COL | iP | 12 34 33 |
| May 23 | | |
| BH | iP | 19 22 08 |
| | iS | 29 59 |
| May 23 | | |
| COL | iP | 20 59 41 |
| May 23 | | |
| COL | iP | 21 39 12 |
| HH | iP | 21 38 23 |
| May 24 | | |
| COL | e(P) | 00 12 18 |
| EUR | iP | 00 09 24 |
| HH | eP | 00 09 49 |
| TUC-T | eP | 00 08 29 |
| May 24 | | |
| BC | eP | 00 18 04 |
| BUT | eP | 00 18 08 |
| COL | iP | 00 20 41 |
| COLU | eP | 00 14 14 |
| | e | 14 27 |
| | e(S) | 18 07 |
| EUR | iP | 00 18 19 |
| | i | 18 34 |
| | iPcP | 19 43 |
| HH | iP | 00 18 20 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| RC | iP | 00 17 11 |
| SLC | eP | 00 17 52 |
| SJ | iP | 00 09 59 |
| THULE | eP | 00 19 11 |
| TUC | iP | 00 17 35 |
| | e | 18 12 |
| TUC-T | iP | 00 17 34 |
| | ePcP | 19 20 |
| WASH | iP | 00 14 30 |
| May 24 | | |
| TUC | eP | 04 47 05 |
| TUC-T | eP | 04 46 59 |
| May 24 | | |
| BC | eP | 04 50 48 |
| COL | iP | 04 51 12 |
| | ipP | 53 34 |
| EUR | iP | 04 50 53 |
| HH | iP | 04 51 19 |
| TUC | iP | 04 50 53 |
| TUC-T | iP | 04 50 53 |
| May 24 | | |
| RC | eP | 05 02 22 |
| May 24 | | |
| EUR | eP | 07 00 32 |
| | e | 00 48 |
| | eS | 01 26 |
| | eL | 01 38 |
| May 24 | | |
| COL | eP | 08 22 55 |
| May 24 | | |
| TUC-T | eP | 11 17 09 |
| | e | 17 21 |
| | e | 18 30 |
| May 24 | | |
| COL | iP | 11 40 24 |
| | i | 40 33 |
| EUR | eP' | 11 47 28 |
| | i | 47 40 |
| HH | eP | 11 42 22 |
| | ePP | 46 20 |
| THULE | eP | 11 40 13 |
| May 24 | | |
| EUR | eP | 12 13 48 |
| | eS | 14 38 |
| | eL | 14 50 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC | e(P) | 12 15 34 |
| TUC-T | eP | 12 15 34 |
| May 24 | | |
| COL | eP | 12 55 48 |
| May 24 | | |
| COL | eP | 13 31 27 |
| EUR | eP | 13 32 22 |
| HH | eP | 13 31 42 |
| RC | eP | 13 31 26 |
| TUC | eP | 13 32 35 |
| TUC-T | e(P) | 13 32 26 |
| | e | 32 47 |
| May 24 | | |
| COL | eP | 14 07 45 |
| | i | 07 54 |
| | iPP | 09 19 |
| EUR | eP | 14 11 03 |
| HH | eP | 14 10 35 |
| THULE | e(P) | 14 09 39 |
| May 24 | | |
| EUR | eP | 15 54 00 |
| May 24 | | |
| EUR | eP | 16 02 49 |
| | e | 03 00 |
| | eS | 03 39 |
| | eL | 03 54 |
| May 24 | | |
| COL | eP | 18 47 03 |
| EUR | eP | 18 46 26 |
| May 24 | | |
| BC | iP | 19 22 52C |
| | e | 23 18 |
| | eS | 27 16 |
| | eL | 30 36 |
| BOZ | eP | 19 23 46D |
| | e | 24 05 |
| | e(S) | 28 35 |
| | eL | 33 05 |
| BUT | eP | 19 23 54D |
| | ePP | 24 18 |
| | ePPP | 24 34 |
| | eS | 28 14 |
| | eSS | 28 50 |
| | eL | 30 54 |
| COL | iP | 19 27 27D |
| | epP | 27 59 |
| | iPP | 29 15 |
| | epPP | 29 56 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| COL | e | 19 31 27 |
| | iS | 35 21 |
| | i | 36 11 |
| | iScS | 37 29 |
| | iSS | 38 29 |
| | eL | 43 55 |
| | eP' P' | 57 07 |
| COLU | eP | 19 22 27C |
| | e | 25 50 |
| | e(S) | 26 28 |
| EUR | iP | 19 23 21D |
| | e(S) | 28 59 |
| GUAM | eP' | 19 36 03 |
| HONO | iP | 19 27 23D |
| | iS | 35 24 |
| | iL | 39 16 |
| HH | iP | 19 24 15D |
| | i | 24 39 |
| | iPcP | 25 44 |
| | e(S) | 30 14 |
| | eL | 31 52 |
| | eP' P' | 59 34 |
| RC | eP | 19 23 16 |
| | iP | 23 18 |
| | ipP | 23 41 |
| | eS | 28 07 |
| | eL | 32 19 |
| SLC | eP | 19 23 12D |
| | e | 23 24 |
| | ePP | 24 01 |
| | eS | 27 18 |
| | eL | 32 10 |
| SJ | iP | 19 23 39 |
| | ipP | 24 03 |
| | eS | 28 30 |
| | eL | 30 51 |
| SIT | iP | 19 26 19C |
| | ipP | 26 49 |
| | ePP | 28 18 |
| THULE | iP | 19 27 46 |
| | ipP | 28 12 |
| | isP | 28 25 |
| | iPP | 30 12 |
| | ipPP | 30 27 |
| | isPP | 30 43 |
| | iScP | 32 23 |
| | iPcS | 32 34 |
| | eS | 35 32 |
| | iScS | 37 02 |
| | eP' P' | 57 00 |
| | iP' P' | 57 39 |
| TUC | iP | 19 22 01 |
| | ipP | 22 21 |
| | eS | 25 19 |
| | iS | 25 37 |
| | eL | 27 10 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC-T | iP | 19 22 00D |
| | eL | 26 13 |
| UK | iP | 19 23 55D |
| | epP | 24 20 |
| | e | 25 30 |
| | eL | 32 49 |
| | eP' P' | 57 43 |
| May 24 | | |
| COL | eP | 20 04 40 |
| EUR | eP | 19 55 52 |
| HH | i(P) | 19 55 25 |
| RC | eP | 19 56 14 |
| TUC | eP | 19 55 51 |
| TUC-T | e(P) | 19 56 43 |
| May 24 | | |
| COL | eP | 20 17 00 |
| EUR | eP | 20 18 01 |
| GUAM | eP | 20 09 20 |
| May 24 | | |
| RC | e(P) | 21 57 07 |
| May 24 | | |
| COL | iP | 22 48 22 |
| May 25 | | |
| COL | eP | 02 30 50 |
| EUR | eP | 02 29 21 |
| RC | eP | 02 30 17 |
| TUC-T | iP | 02 29 03 |
| May 25 | | |
| COL | eP | 04 09 32 |
| May 25 | | |
| TUC | eP | 04 59 40 |
| | eL | 05 01 25 |
| TUC-T | e(P) | 04 59 44 |
| | eL | 05 01 13 |
| May 25 | | |
| COL | iP | 05 15 46 |
| EUR | iP | 05 15 27 |
| | i | 15 47 |
| HH | iP | 05 15 54 |
| TUC | iP | 05 15 30 |
| | e | 45 52 |
| TUC-T | iP | 05 15 30 |
| | e | 45 54 |

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| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| May 25 | | |
| EUR | eP | 05 47 13 |
| May 25 | | |
| SIT | e(P) | 07 13 47 |
| | e | 14 04 |
| May 25 | | |
| EUR | eP | 08 36 20 |
| May 25 | | |
| COL | eP | 10 57 40 |
| EUR | iP | 11 00 51 |
| HH | e(P) | 11 00 24 |
| RC | eP | 11 01 15 |
| May 25 | | |
| COL | eP | 11 07 28 |
| EUR | iP | 11 10 39 |
| HH | eP | 11 10 11 |
| RC | eP | 11 11 03 |
| May 25 | | |
| SJ | iP | 11 11 42 |
| | e | 12 02 |
| | eL | 12 35 |
| May 25 | | |
| TUC | e(P) | 13 38 23 |
| | e | 38 32 |
| | eL | 39 30 |
| TUC-T | eP | 13 38 20 |
| | i | 38 34 |
| | e(S) | 39 23 |
| | eL | 39 29 |
| May 25 | | |
| COL | iP | 14 51 02 |
| EUR | iP | 14 51 18 |
| May 25 | | |
| COL | eP | 17 17 04 |
| EUR | eP | 17 17 56 |
| GUAM | iP | 17 07 35 |
| | iS | 08 18 |
| | iL | 08 32 |
| HH | e(P) | 17 18 50 |
| May 25 | | |
| COL | eP | 19 32 41 |
| May 25 | | |
| EUR | iP | 21 27 06 |
| HH | e(P) | 21 26 38 |
| May 26 | | |
| TUC-T | eP | 02 18 08 |
| May 26 | | |
| TUC-T | eP | 03 29 38 |
| | e | 29 46 |
| May 26 | | |
| BC | eP | 04 26 14 |
| | e | 26 39 |
| | ePP | 29 57 |
| BOZ | eP | 04 25 55 |
| | e(pP) | 26 39 |
| BUT | eP | 04 25 49 |
| | ePP | 29 00 |
| | e(S) | 36 32 |
| COL | iP | 04 23 25 |
| | ipP | 23 54 |
| | eS | 31 48 |
| | iS | 31 52 |
| | i | 32 31 |
| | eP' P' | 52 03 |
| EUR | iP | 04 26 00 |
| | ipP | 26 27 |
| | ePP | 29 19 |
| | ipPP | 29 39 |
| GUAM | iP | 04 17 42 |
| | ipP | 18 05 |
| | iS | 21 35 |
| | isS | 22 02 |
| | iScS | 28 44 |
| | eT | 38 34 |
| HH | iP | 04 25 40 |
| | iPP | 29 08 |
| | iS | 36 01 |
| | iPKKP | 43 32 |
| RC | iP | 04 26 18 |
| | iPP | 30 14 |
| SLC | eP | 04 26 08 |
| SJ | eP' | 04 32 08 |
| | ePP | 34 24 |
| | iPKS | 35 27 |
| SIT | iP | 04 24 15 |
| | e | 24 23 |
| | epP | 24 43 |
| THULE | iP | 04 24 40 |
| | iPcP | 25 01 |
| | ipP | 25 10 |
| | isP | 25 18 |
| | ePP | 27 50 |
| TUC | eP | 04 26 36 |
| | ePP | 30 34 |
| TUC-T | iP | 04 26 35 |
| | iPP | 30 40 |
| | ePKKP | 43 27 |
| UK | iP | 04 25 38 |
| WASH | eP' | 04 31 27 |
| May 26 | | |
| BC | eP | 05 36 41 |
| COL | iP | 05 39 11 |
| | i | 39 27 |
| COLU | eP | 05 32 58 |
| | e | 33 10 |
| | eS | 37 20 |
| EUR | iP | 05 36 51 |
| | i | 37 07 |
| | i | 37 20 |
| | iScP | 41 55 |
| HH | iP | 05 36 55 |
| RC | iP | 05 35 50 |
| SLC | eP | 05 36 29 |
| | e | 36 44 |
| SJ | iP | 05 28 52 |
| | iS | 29 40 |
| THULE | iP | 05 37 46 |
| | i | 38 23 |
| | iPcP | 38 32 |
| TUC | iP | 05 36 11 |
| | i | 36 28 |
| TUC-T | iP | 05 36 11 |
| | i | 36 27 |
| WASH | iP | 05 33 12 |
| | eS | 37 58 |
| May 26 | | |
| HH | eP | 06 34 47 |
| May 26 | | |
| COL | iP | 06 47 37 |
| EUR | eP | 06 50 06 |
| HH | eP | 06 49 24 |
| SIT | eP | 06 48 32 |
| THULE | iP | 06 46 32 |
| May 26 | | |
| COL | eP | 07 02 32 |
| May 26 | | |
| EUR | eP | 07 33 58 |
| HH | eP | 07 33 50 |
| TUC-T | eP | 07 33 32 |
| May 26 | | |
| EUR | eP | 09 40 29 |
| May 26 | | |
| COL | iP | 13 36 41 |
| THULE | iP | 13 32 55 |
| May 26 | | |
| BOZ | eP | 14 03 13 |
| HH | eP | 14 04 13 |
| May 26 | | |
| BC | eP | 15 59 41 |
| EUR | eP | 15 59 16 |
| | i | 59 24 |
| | i | 59 36 |
| | e(S) | 16 00 32 |
| | iL | 00 42 |
| HH | e(P) | 16 01 13 |
| TUC-T | e(P) | 16 00 34 |
| | e | 02 11 |
| | eL | 03 17 |
| UK | e(P) | 15 58 43 |
| | e | 58 56 |
| | eL | 59 40 |
| May 26 | | |
| HH | i(P) | 17 35 23 |
| May 26 | | |
| HH | i(P) | 18 13 43 |
| | i | 14 09 |
| May 26 | | |
| EUR | eP | 18 30 20 |
| May 26 | | |
| COL | iP | 20 05 15 |
| | iS | 05 44 |
| | iL | 05 49 |
| EUR | eP | 20 10 21 |
| HH | iP | 20 09 43 |
| May 26 | | |
| EUR | eP | 21 54 55 |
| | ipP | 55 39 |
| HH | iP | 21 55 22 |
| May 27 | | |
| EUR | eP | 03 09 27 |
| May 27 | | |
| SJ | iP | 04 12 59 |
| | iS | 13 22 |
| | iL | 13 24 |
| May 27 | | |
| SJ | iP | 04 45 36 |
| | e(S) | 46 36 |
| May 27 | | |
| BUT | eP | 05 03 39 |
| COL | eP | 05 00 58 |
| EUR | iP | 05 03 47 |
| | ipP | 04 04 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| GUAM | iP | | 04 56 17 |
| | eS | | 59 50 |
| HH | iP | | 05 03 26 |
| THULE | eP | | 05 02 51 |
| TUC | e(P) | | 05 04 29 |
| TUC-T | eP | | 05 04 26 |
| | e | | 04 30 |
| | e | | 04 47 |
| May 27 | | | |
| COL | e(P) | | 05 57 51 |
| EUR | eP | | 05 57 14 |
| | e | | 57 57 |
| HH | iP | | 05 56 42 |
| THULE | iP | | 05 55 19 |
| May 27 | | | |
| HH | iP | | 10 27 32 |
| May 27 | | | |
| COL | eP | | 10 36 53 |
| HH | i(P) | | 10 36 04 |
| May 27 | | | |
| HH | i(P) | | 11 27 00 |
| May 27 | | | |
| SJ | eP | | 13 50 33 |
| May 27 | | | |
| COL | eP | | 14 01 00 |
| GUAM | iP | | 13 55 10 |
| HH | iP | | 14 03 07 |
| May 27 | | | |
| COL | e(P) | | 15 34 08 |
| May 27 | | | |
| HH | e(P) | | 16 43 02 |
| May 27 | | | |
| TUC-T | eP | | 18 09 37 |
| May 27 | | | |
| TUC-T | eP | | 20 11 53 |
| May 27 | | | |
| COL | eP | | 20 49 35 |
| HH | eP | | 20 50 28 |
| | iPP | | 52 57 |
| May 27 | | | |
| GUAM | eP | | 21 59 56 |
| | i | | 22 00 01 |
| May 27 | | | |
| COL | iP | | 22 06 20 |
| | i(S) | | 07 00 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| COL | iL | | 22 07 14 |
| HH | e(P) | | 22 11 01 |
| May 28 | | | |
| EUR | iP | | 01 02 30 |
| TUC | eL | | 01 05 15 |
| TUC-T | eP | | 01 00 55 |
| | eL | | 05 23 |
| May 28 | | | |
| COL | eP | | 02 08 23 |
| | i | | 08 32 |
| May 28 | | | |
| EUR | eP | | 02 28 35 |
| May 28 | | | |
| TUC-T | eP | | 03 16 40 |
| May 28 | | | |
| EUR | e(P) | | 03 24 29 |
| May 28 | | | |
| BH | iP | | 04 08 32 |
| | iS | | 08 45 |
| May 28 | | | |
| COL | i(P) | | 04 20 48 |
| EUR | iP | | 04 15 38 |
| HH | eP | | 04 16 04 |
| RC | eP | | 04 14 59 |
| SJ | eP | | 04 09 57 |
| | e | | 10 08 |
| | iS | | 12 15 |
| THULE | eP | | 04 17 50 |
| TUC | iP | | 04 14 43 |
| TUC-T | iP | | 04 14 43 |
| | ePcP | | 16 30 |
| | e | | 17 48 |
| | eL | | 44 16 |
| May 28 | | | |
| TUC | iP | | 04 20 27 |
| TUC-T | iP | | 04 20 27 |
| May 28 | | | |
| SJ | iP | | 04 22 02 |
| | i(S) | | 22 17 |
| | iL | | 22 18 |
| May 28 | | | |
| EUR | iP | | 04 43 46 |
| GUAM | iP | | 04 31 29 |
| | iS | | 31 43 |
| HH | iP | | 04 43 40 |
| | ePP | | 47 03 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| RC | eP | | 04 44 30 |
| May 28 | | | |
| TUC-T | eP | | 05 16 20 |
| May 28 | | | |
| COL | eP | | 06 28 51 |
| May 28 | | | |
| COL | e(P) | | 07 46 02 |
| EUR | eP | | 07 47 57 |
| GUAM | iP | | 07 36 30 |
| | iS | | 37 17 |
| | iL | | 38 11 |
| HH | eP | | 07 47 50 |
| TUC-T | eP | | 07 48 28 |
| May 28 | | | |
| EUR | eP | | 08 15 17 |
| May 28 | | | |
| COL | e(P) | | 08 37 34 |
| HH | e(P) | | 08 38 53 |
| May 28 | | | |
| HH | e(P) | | 08 42 11 |
| May 28 | | | |
| COL | eP | | 09 08 29 |
| GUAM | iP | | 08 59 05 |
| | iS | | 59 45 |
| May 28 | | | |
| TUC-T | e(P) | | 13 01 24 |
| May 28 | | | |
| COL | eP | | 13 22 48 |
| HH | eP | | 13 28 06 |
| May 28 | | | |
| GUAM | eP | | 15 19 07 |
| | iP | | 19 12 |
| COL | iP | | 15 26 29 |
| SJ | eP' | | 15 34 26 |
| May 28 | | | |
| TUC-T | e(P) | | 18 24 23 |
| | e | | 24 31 |
| May 28 | | | |
| EUR | eP | | 19 26 58 |
| May 28 | | | |
| EUR | eP | | 20 07 48 |
| May 28 | | | |
| COL | iP | | 22 39 47 |
| | i | | 40 18 |
| EUR | eP | | 22 41 06 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| GUAM | eP | | 22 31 21 |
| | eS | | 34 39 |
| SJ | iP' | | 22 46 58 |
| | e | | 47 25 |
| May 28 | | | |
| EUR | iP | | 22 54 53 |
| | ipP | | 55 16 |
| TUC | eP | | 22 55 27 |
| TUC-T | eP | | 22 55 05 |
| | i | | 55 28 |
| May 29 | | | |
| COL | eP | | 01 02 03 |
| EUR | iP | | 01 04 02 |
| GUAM | iP | | 00 52 37 |
| | iS | | 53 06 |
| | iL | | 53 24 |
| HH | iP | | 01 03 56 |
| TUC-T | eP | | 01 04 33 |
| May 29 | | | |
| EUR | eP | | 05 01 46 |
| May 29 | | | |
| BC | eP | | 10 55 46 |
| | e | | 56 14 |
| BOZ | eP | | 10 56 16 |
| BUT | eP | | 10 56 09 |
| | e(PPP) | | 11 00 28 |
| COL | iP | | 10 55 40 |
| | epP | | 56 10 |
| | ePP | | 59 17 |
| | eS | | 11 06 05 |
| | eScS | | 06 51 |
| | isS | | 07 13 |
| | eSS | | 12 08 |
| | ePKKP | | 13 44 |
| | eL | | 19 39 |
| EUR | iP | | 10 55 48 |
| | ipP | | 56 16 |
| | iPP | | 59 26 |
| | ipPP | | 59 49 |
| | ePKKP | | 11 13 12 |
| | eP'P' | | 21 14 |
| | i | | 21 25 |
| | ipP'P' | | 21 49 |
| GUAM | iP | | 10 50 22 |
| | ipP | | 50 42 |
| | isP | | 51 00 |
| | ePP | | 51 51 |
| | iPcP | | 52 21 |
| | isPP | | 52 54 |
| | eS | | 56 17 |
| HONO | eP | | 10 51 49 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HONO | eS | 10 59 14 |
| | i | 59 48 |
| | e | 11 03 43 |
| | eL | 05 52 |
| HH | eP | 10 56 09 |
| | ePP | 59 58 |
| | epPP | 11 00 24 |
| | ePKKP | 12 58 |
| | eP'P' | 21 10 |
| | epP'P' | 21 39 |
| KIP | iP | 10 51 51 |
| | ipP | 52 27 |
| RC | eP | 10 56 36 |
| | eP' | 11 01 13 |
| SLC | eP | 10 56 05 |
| | epP | 56 31 |
| SJ | iP' | 11 01 47 |
| | e | 02 15 |
| | ePP | 04 03 |
| SIT | eP | 10 55 39 |
| | ipP | 56 05 |
| THULE | iP' | 11 01 25 |
| | iPP | 02 25 |
| | ePKKP | 11 57 |
| | eSKKP | 15 50 |
| TUC | iP | 10 55 53 |
| | epP | 56 20 |
| | eS | 11 09 33 |
| | eP'P' | 21 19 |
| | eL | 23 28 |
| TUC-T | iP | 10 55 54 |
| | ipP | 56 22 |
| | i | 57 15 |
| | i | 11 00 01 |
| | ePKKP | 13 09 |
| | eP'P' | 21 19 |
| UK | iP | 10 55 24 |
| | ipP | 55 51 |
| | ePP | 57 40 |
| May 29 | | |
| BOZ | eP | 12 40 37 |
| BUT | eP | 12 40 31 |
| COL | iP | 12 38 20 |
| EUR | iP | 12 40 31 |
| | iPcP | 40 43 |
| | ipP | 40 51 |
| | isP | 41 02 |
| GUAM | iP | 12 30 05 |
| | eS | 30 23 |
| | iL | 30 34 |
| HH | iP | 12 40 22 |
| | i | 40 34 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| RC | eP | 12 41 17 |
| | e | 41 27 |
| THULE | iP | 12 40 21 |
| TUC | eP | 12 41 05 |
| | e | 41 17 |
| TUC-T | iP | 12 41 05 |
| | i | 41 18 |
| | i | 44 34 |
| May 29 | | |
| WASH | e(P) | 14 04 11 |
| May 29 | | |
| EUR | iP | 14 59 17 |
| May 29 | | |
| BUT | e(P) | 18 05 09 |
| COL | eP | 18 02 57 |
| EUR | iP | 18 05 08 |
| | i | 05 20 |
| GUAM | iP | 17 54 42 |
| | eS | 55 03 |
| | iL | 55 13 |
| HH | eP | 18 04 58 |
| SLC | eP | 18 05 21 |
| THULE | eP | 18 04 58 |
| | i | 05 21 |
| | e | 05 47 |
| TUC-T | iP | 18 05 41 |
| | i | 05 54 |
| | ePP | 09 11 |
| May 29 | | |
| BOZ | eP | 18 39 21 |
| COL | iP | 18 35 53 |
| | i | 36 03 |
| EUR | iP | 18 39 31 |
| | i | 39 43 |
| HH | eP | 18 38 57 |
| RC | eP | 18 39 56 |
| | e | 40 06 |
| SLC | eP | 18 39 41 |
| SIT | eP | 18 36 58 |
| | e | 37 10 |
| THULE | eP | 18 38 26 |
| TUC-T | iP | 18 40 23 |
| | i | 40 37 |
| May 29 | | |
| COL | iP | 19 21 00 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| EUR | eP | 19 24 17 |
| May 29 | | |
| GUAM | iP | 19 48 51 |
| | iS | 50 17 |
| May 29 | | |
| EUR | eP | 20 31 39 |
| | i | 31 52 |
| HH | eP | 20 31 29 |
| TUC-T | eP | 20 32 12 |
| May 29 | | |
| EUR | eP | 20 43 21 |
| May 29 | | |
| COL | eP | 23 59 13 |
| May 30 | | |
| EUR | iP | 03 18 17 |
| SJ | iP | 03 14 01 |
| TUC | eP | 03 17 31 |
| TUC-T | iP | 03 17 31 |
| May 30 | | |
| HH | e(P) | 04 17 33 |
| May 30 | | |
| EUR | eP | 04 59 31 |
| May 30 | | |
| EUR | eP | 06 43 21 |
| May 30 | | |
| EUR | eP | 07 28 05 |
| TUC | eP | 07 28 06 |
| TUC-T | iP | 07 28 06 |
| May 30 | | |
| EUR | eP | 12 22 07 |
| May 30 | | |
| COL | eP | 12 34 18 |
| | e | 34 50 |
| May 30 | | |
| TUC | e(P) | 12 41 29 |
| | e | 46 18 |
| May 30 | | |
| COL | iP | 12 50 58 |
| COLU | eP | 12 45 10 |
| HH | eP | 12 48 04 |
| | i | 49 51 |
| TUC-T | eP | 12 46 19 |
| | e | 46 26 |
| | e | 49 14 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| May 30 | | h m s |
| EUR | eP | 13 30 52 |
| TUC-T | eP | 13 29 14 |
| May 30 | | |
| THULE | eP | 14 21 27 |
| May 30 | | |
| COL | iP | 16 25 53 |
| EUR | iP | 16 29 32 |
| May 30 | | |
| EUR | eP | 17 30 08 |
| | i | 30 33 |
| May 30 | | |
| COL | eP | 18 30 55 |
| | e | 31 10 |
| EUR | eP | 18 30 52 |
| | i | 32 02 |
| GUAM | eP | 18 24 07 |
| May 30 | | |
| EUR | eP | 20 38 42 |
| | i | 39 04 |
| May 30 | | |
| EUR | eP | 20 56 45 |
| HH | i(P) | 20 57 46 |
| May 30 | | |
| GUAM | iP | 22 15 27 |
| | iL | 15 39 |
| May 30 | | |
| EUR | iP | 23 14 56 |
| | eL | 15 09 |
| May 30 | | |
| EUR | eP | 19 54 03 |
| | i | 54 30 |
| May 31 | | |
| EUR | eP | 00 38 18 |
| May 31 | | |
| EUR | iP | 01 22 33 |
| May 31 | | |
| EUR | e(P) | 02 38 48 |
| May 31 | | |
| EUR | eP | 03 10 15 |
| May 31 | | |
| EUR | eP | 03 28 45 |
| TUC-T | eP | 03 28 19 |
| May 31 | | |
| EUR | eP | 04 11 58 |
| May 31 | | |
| BOZ | eP | 05 43 28 |

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| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BUT | eP | 05 43 37 |
| COL | eP | 05 46 55 |
| | i | 47 01 |
| COLU | eP | 05 39 57 |
| | eL | 44 54 |
| EUR | iP | 05 43 27 |
| HH | eP | 05 43 53 |
| RC | eP | 05 42 41 |
| SLC | eP | 05 43 16 |
| SJ | iP | 05 39 48 |
| | e | 40 12 |
| TUC | eP | 05 42 54 |
| TUC-T | eP | 05 42 45 |
| | e | 43 12 |
| WASH | eP | 05 41 02 |
| | e(S) | 44 52 |
| | eL | 46 02 |
| May 31 | | |
| EUR | eP | 06 52 20 |
| May 31 | | |
| EUR | eP | 09 23 53 |
| May 31 | | |
| EUR | iP | 09 35 14 |
| May 31 | | |
| COL | iP | 09 40 31 |
| | eS | 50 44 |
| | e | 52 44 |
| | eSS | 56 17 |
| | e | 58 09 |
| | eL | 10 02 49 |
| EUR | iP | 09 41 23 |
| | i | 41 30 |
| GUAM | iP | 09 33 14 |
| | iPP | 33 25 |
| | iS | 37 33 |
| | eL | 39 01 |
| HONO | iP | 09 37 29 |
| | iS | 45 00 |
| | eSS | 48 32 |
| | eL | 50 58 |
| | eT | 10 34 59 |
| | iT | 35 05 |
| HH | eP | 09 41 35 |
| | ePP | 45 23 |
| KIP | eP | 09 37 50 |
| | eT | 10 34 09 |
| RC | e(P) | 09 42 07 |
| | e | 42 12 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SLC | eP | 09 41 40 |
| SJ | eP' | 09 47 37 |
| SIT | e(P) | 09 40 47 |
| TUC | e(P) | 09 41 42 |
| | ePP | 45 32 |
| | eL | 10 06 46 |
| TUC-T | eP | 09 41 42 |
| | ePP | 45 33 |
| WASH | eP' | 09 47 10 |
| | ePP | 48 43 |
| | e | 55 59 |
| | iSS | 10 05 52 |
| | eL | 25 29 |
| May 31 | | |
| EUR | iP | 11 00 12 |
| TUC | eP | 10 58 48 |
| | e | 11 02 18 |
| TUC-T | eP | 10 58 45 |
| | e | 58 48 |
| | e | 11 02 33 |
| May 31 | | |
| TUC | e(P) | 11 12 24 |
| | e | 12 33 |
| TUC-T | e(P) | 11 12 24 |
| | i | 12 33 |
| May 31 | | |
| EUR | eP | 11 19 09 |
| May 31 | | |
| BOZ | eP | 12 28 03 |
| COL | eP | 12 26 56 |
| | i | 27 05 |
| EUR | eP | 12 28 43 |
| | i | 28 51 |
| HH | iP | 12 27 56 |
| | i | 28 06 |
| RC | eP | 12 28 06 |
| THULE | eP | 12 24 19 |
| TUC-T | e(P) | 12 29 02 |
| | e | 29 17 |
| May 31 | | |
| COL | eP | 13 13 38 |
| HH | eP | 12 15 02 |
| THULE | eP | 13 11 52 |
| May 31 | | |
| COL | eP | 13 19 39 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| May 31 | | h m s |
| BOZ | eP | 15 04 33 |
| | eL | 08 18 |
| COL | eP | 15 05 08 |
| | e(S) | 08 23 |
| | eL | 09 35 |
| EUR | iP | 15 04 51 |
| | i | 04 56 |
| | i | 05 29 |
| HH | eP | 15 03 54 |
| | eL | 06 31 |
| RC | iP | 15 04 42 |
| | eL | 11 39 |
| SLC | eP | 15 05 06 |
| SIT | e(P) | 15 03 09 |
| | eL | 04 36 |
| THULE | eP | 15 08 05 |
| TUC | eP | 15 06 36 |
| TUC-T | iP | 15 06 26 |
| | e | 07 12 |
| WASH | eL | 15 17 09 |
| May 31 | | |
| COL | iP | 15 34 49 |
| GUAM | iP | 15 31 14 |
| May 31 | | |
| COL | eP | 16 39 51 |
| EUR | eP | 16 38 44 |
| | i | 39 38 |
| HH | e(P) | 16 38 47 |
| | e | 40 43 |
| | iL | 41 46 |
| RC | eP | 16 40 24 |
| TUC | e(P) | 16 41 22 |
| TUC-T | eP | 16 41 22 |
| May 31 | | |
| COL | eP | 17 27 55 |
| EUR | iP | 17 30 05 |
| | i | 30 16 |
| GUAM | eP | 17 19 41 |
| | iS | 21 06 |
| HH | iP | 17 29 56 |
| | i | 30 08 |
| RC | eP | 17 30 39 |
| SLC | eP | 17 30 19 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| THULE | iP | 17 29 53 |
| TUC | eP | 17 30 39 |
| | e | 30 51 |
| TUC-T | eP | 17 30 39 |
| | e | 30 51 |
| May 31 | | |
| COL | iP | 17 57 24 |
| EUR | iP | 17 58 17 |
| | i | 58 21 |
| GUAM | e(P) | 17 50 07 |
| May 31 | | |
| COL | iP | 18 03 53 |
| EUR | eP | 18 04 45 |
| May 31 | | |
| EUR | iP | 23 44 39 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| **Local and Minor Earthquakes** | |
| May | |
| BUT | |
| 3 | 11.9 |
| 7 | 18.1 |
| 10 | 06.7 |
| 17 | 02.0 |
| 21 | 02.8 |
| 24 | 01.4 |
| 29 | 02.8 |
| | 10.6 |
| | 10.7 |
| May | |
| COL | |
| 1 | 22.6 |
| 3 | 06.2 |
| 5 | 19.9 |
| 6 | 23.8 |
| 7 | 18.8 |
| 11 | 15.9 |
| 12 | 05.6 |
| 13 | 02.6 |
| 15 | 02.9 |
| 16 | 07.7 |
| 17 | 13.2 |
| 18 | 02.5 |
| | 04.8 |
| | 22.2 |
| 20 | 08.9 |
| | 13.3 |
| | 13.8 |
| | 16.0 |
| | 16.2 |
| 22 | 12.6 |
| 23 | 07.0 |
| | 12.7 |
| 25 | 13.3 |
| 27 | 08.8 |
| | 11.4 |
| | 11.9 |
| 28 | 05.1 |
| | 07.8 |
| | 08.3 |
| | 17.9 |
| 29 | 12.2 |
| 31 | 03.0 |
| | 23.8 |
| May | |
| EUR | |
| 3 | 17.6 |
| 12 | 15.5 |
| | 18.2 |
| 19 | 02.6 |
| | 13.0 |
| 20 | 10.3 |
| 22 | 06.5 |
| 23 | 12.8 |
| 28 | 09.6 |
| 20 | 23.2 |
| 31 | 01.4 |
| | 07.8 |
| | 08.8 |
| | 12.2 |
| | 23.7 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| May | |
| HH | |
| 2 | 14.7 |
| May | |
| KIP | |
| 20 | 16.6 |
| May | |
| SJ | |
| 1 | 17.9 |
| 2 | 02.1 |
| 3 | 04.4 |
| | 05.2 |
| | 07.1 |
| 4 | 14.0 |
| | 20.4 |
| 5 | 08.1 |
| 6 | 06.7 |
| | 07.0 |
| | 12.7 |
| 7 | 01.9 |
| 8 | 16.2 |
| 14 | 20.6 |
| 15 | 03.6 |
| | 04.6 |
| | 17.8 |
| | 19.9 |
| 22 | 20.1 |
| 23 | 04.8 |
| 24 | 00.1 |
| | 06.6 |
| 25 | 10.3 |
| 26 | 07.9 |
| | 18.5 |
| 28 | 11.5 |
| 29 | 21.4 |
| May | |
| TUC | |
| 1 | 10.5 |
| 2 | 04.3 |
| | 07.5 |
| | 07.6 |
| | 09.4 |
| | 10.9 |
| 4 | 17.7 |
| | 18.4 |
| 6 | 09.0 |
| | 19.2 |
| 8 | 11.0 |
| | 13.6 |
| 9 | 14.1 |
| 11 | 04.0 |
| 13 | 01.3 |
| | 23.9 |
| 14 | 01.9 |
| | 02.0 |
| | 06.6 |
| | 08.6 |
| 15 | 14.0 |
| 16 | 09.2 |
| 18 | 02.1 |
| | 03.8 |
| | 08.7 |
| | 09.4 |
| 19 | 07.3 |
| 23 | 11.4 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |
| TUC | |
| 31 | 20.6 |
| | 23.2 |
| May | |
| UK | |
| 1 | 00.6 |
| 6 | 21.5 |
| 9 | 17.2 |
| 10 | 02.0 |
| 18 | 04.1 |
| 23 | 20.8 |
| 24 | 09.3 |

| Date and Station | Phase (GCT) |
|---|---|
| | h m s |

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