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# SEISMOLOGICAL BULLETIN

September, 1954

MSI - 165

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U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

U. S. COAST AND GEODETIC SURVEY—WASHINGTON

R. F. A. Studds, Director

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# National Oceanic and Atmospheric Administration

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March 4, 2011

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

**Balboa Heights, C. Z. (BH)
The Panama Canal
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*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
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Logan, Utah (LOG)
Utah State Agricultural College
*Montezuma, Chile (MONT)
Smithsonian Institution
Nelson, Nev. (NEL)
**New Kensington, Pa. (NK)
Private station, Fred Keller, Sr.
**Philadelphia, Pa. (PHIL)
The Franklin Institute
**Rapid City, S. Dak. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory
Washington, D. C. (WASH)

*Indicates a station maintained by a local institution in cooperation with the U. S. Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the U. S. Coast and Geodetic Survey.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights. 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 indicate probable 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 U. S. Coast and Geodetic Survey, except those from Balboa Heights, Burlington, Logan, and New Kensington which may be obtained on loan by addressing the Seismograph Station Director: - Meteorological and Hydrographic Office, Panama Canal Company, Balboa Heights, Canal Zone; University of Vermont, Burlington, Vermont; Utah State Agricultural College, Logan, Utah; 508 Pershing Drive, New Kensington, Pennsylvania.

| Date 1954 | Origin Time G. C. T. | Lat. | | Long. | | Region, Focal Depth, and Remarks |
|---|---|---|---|---|---|---|
| Sept. | h m s | ° ′ | | ° ′ | | |
| 1 | 05 18 46.5 | 39½ | N. | 118½ | W. | Near Fallon, Nevada. Felt. Mag. 6¼. |
| 1 | 11 29 25** | | | | | Fallon aftershock. |
| 1 | 12 25 40** | | | | | Northern Kurile Islands. |
| 2 | 01 54 32* | 42 | N. | 20 | E. | Albania-Yugoslavia border region. |
| 2 | 18 51 29* | 10 | S. | 166 | E. | Santa Cruz Islands. h about 100 km. Mag. 6-1/2 - 6-3/4. |
| 4 | 03 28 32* | 3 | S. | 139½ | E. | Northern New Guinea. h about 60 km. Mag. 6¼. |
| 4 | 06 43 46* | 28 | N. | 83½ | E. | Nepal foreshock. |
| 4 | 06 45 14* | 28 | N. | 83½ | E. | Nepal. |
| 4 | 08 53 20* | 21½ | N. | 122½ | E. | Southeast of Formosa. |
| 4 | 13 11 49* | 11½ | S. | 166 | E. | Santa Cruz Islands. |
| 5 | 07 45 31* | 19 | S. | 176 | E. | Fiji Islands region. Mag. 6½. |
| 5 | 17 15 20* | 2½ | N. | 127 | E. | Molucca Passage. |
| 5 | 18 55 00** | | | | | Off south coast of Kamchatka. |
| 6 | 00 48 23** | | | | | Wallis Islands, 400 miles west of Samoa. |
| 6 | 11 25 23** | | | | | Luzon foreshock. |
| 6 | 14 06 31* | 20½ | N. | 122 | E. | Do. |
| 6 | 16 46 58* | 21 | N. | 121 | E. | Off north coast of Luzon, Philippine Islands. |
| 6 | 18 30 48* | 51 | N. | 158 | E. | Near southeast coast of Kamchatka. h about 60 km. Mag. 6½. |
| 6 | 20 11 41** | | | | | Luzon aftershock. |
| 7 | 00 08 23* | 21 | N. | 121 | E. | Do. |
| 7 | 00 11 46** | | | | | Do. |
| 7 | 00 35 13* | 21 | N. | 121½ | E. | Luzon aftershock. Felt at Basao. |
| 7 | 07 14 59* | 17 | S. | 179 | E. | Fiji Islands. h about 600 km. |
| 8 | 02 39 49* | 29 | N. | 95½ | E. | Assam-China border. |
| 8 | 17 31 03** | | | | | Southern Peru. h about 100 km. |
| 9 | 01 02 16* | 20½ | S. | 177 | W. | Tonga Islands. h about 200 km. |
| 9 | 01 04 37* | 36 | N. | 1½ | E. | Northern Algeria. 1400 killed and major property damage. Mag. 6-3/4. |
| 9 | 01 49 48** | | | | | Algeria aftershock. |
| 9 | 02 52 22* | 36 | N. | 1½ | E. | Do. |
| 9 | 03 43 55** | | | | | Central Nicaragua. |
| 9 | 04 50 10** | | | | | Near coast of Colombia. |
| 9 | 09 21 05** | | | | | Fallon, Nevada. |
| 9 | 09 28 41* | 36 | N. | 1½ | E. | Algeria aftershock. |
| 9 | 17 57 03** | | | | | Near coast of Venezuela. |
| 9 | 18 54 33** | | | | | Northern Afghanistan. |

| Date 1954 | Origin Time G. C. T. | Lat. | | Long. | | Region, Focal Depth, and Remarks |
|---|---|---|---|---|---|---|
| Sept. | h m s | ° ′ | | ° ′ | | |
| 10 | 05 44 04* | 36 | N. | 2 | E. | Algeria aftershock. |
| 11 | 23 57 54** | | | | | Bonin Islands region. h about 60 km. |
| 12 | 07 43 50* | 41 | N. | 143 | E. | Off south coast of Hokkaido, Japan. Mag. 6¼. |
| 13 | 02 00 26* | 23½ | S. | 178 | W. | Tonga Islands region. h about 150 km. |
| 13 | 02 09 55* | 21 | S. | 175½ | W. | Tonga Islands. h about 150 km. Mag. 6-3/4. |
| 13 | 07 57 25** | | | | | Southern Gulf of California. |
| 13 | 18 12 37* | 21 | N. | 121½ | E. | Luzon aftershock. |
| 13 | 18 19 16* | 21 | N. | 121½ | E. | Do. |
| 14 | 00 48 18* | 21 | N. | 121½ | E. | Do. |
| 14 | 07 20 07** | | | | | Ryukyu Islands region. |
| 14 | 16 21 59** | | | | | Oaxaca, Mexico. |
| 15 | 06 38 04* | 4½ | S. | 82 | W. | Near coast of Peru. h about 60 km. |
| 15 | 13 20 15* | 26 | N. | 110 | W. | Gulf of California. |
| 15 | 17 56 08* | 18 | S. | 178½ | W. | Fiji Islands. h about 600 km. Mag. 7.0 |
| 16 | 22 18 15** | | | | | Algeria aftershock. |
| 17 | 01 13 08* | 4½ | S. | 153½ | E. | New Ireland region. |
| 17 | 07 33 21* | 24½ | N. | 122 | E. | Near northeast coast of Formosa. Felt. |
| 17 | 11 03 14* | 21½ | S. | 176½ | W. | Tonga Islands region. h about 250 km. Mag. 7 - 7¼. |
| 17 | 14 45 00** | | | | | Bonin Islands. |
| 17 | 19 01 52** | | | | | Colombia-Venezuela border. |
| 18 | 04 55 20* | 16 | N. | 60 | W. | Leeward Islands region. Felt at Martinique. |
| 18 | 15 31 06* | 14 | N. | 145 | E. | Marianas Islands. |
| 18 | 18 24 50** | | | | | Kurile Islands. |
| 20 | 00 10 09* | 53 | N. | 35½ | W. | North Atlantic Ocean. |
| 20 | 00 39 28* | 1½ | S. | 120½ | E. | Celebes. Mag. 5-3/4 - 6. |
| 20 | 08 06 00* | 20½ | S. | 179½ | W. | Fiji Islands. h about 600 km. |
| 20 | 17 05 40* | 21 | S. | 178 | W. | Tonga Islands. h about 550 km. |
| 21 | 03 40 22** | | | | | Sumbawa Islands. h about 150 km. |
| 21 | 09 41 50** | | | | | Marianas Islands. |
| 23 | 21 43 36* | 49 | N. | 156 | E. | Kurile Islands region. Mag. 6¼. |
| 25 | 07 05 48* | 17 | N. | 100 | W. | Near coast of Mexico. |
| 25 | 19 22 17* | 19 | N. | 70 | W. | Dominican Republic. |
| 27 | 04 07 40** | | | | | Fiji Islands region. |
| 27 | 16 38 20* | 42½ | N. | 142 | E. | Southern Hokkaido, Japan. h about 60 km. |

| Date 1954 | Origin Time G. C. T. | Lat. | Long. | Region, Focal Depth, and Remarks |
|---|---|---|---|---|
| Sept. | h m s | ° ′ | ° ′ | |
| 27 | 17 18 23** | | | Hokkaido, Japan. |
| 28 | 00 25 00* | 52 N. | 160 E. | Off southeast coast of Kamchatka. |
| 28 | 12 53 06* | 15½ S. | 173 W. | Samoa Islands region. |
| 28 | 21 43 10** | | | Off coast of Oaxaca, Mexico. |
| 28 | 23 25 10** | | | Pacific Ocean, about 500 miles southeast of Easter Island. |
| 29 | 08 23 49** | | | Tonga Islands. |
| 29 | 14 34 44** | | | Off southeast coast of Kamchatka. |
| 29 | 21 44 46** | | | Near east coast of Dominican Republic. |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| Sept. 1 | | | |
| HH | | e(P) | 00 54 34 |
| | | eL | 56 51 |
| Sept. 1 | | | |
| HH | | e(P) | 01 27 41 |
| Sept. 1 | | | |
| BUT | | eP | 03 21 34 |
| | | eL | 21 57 |
| HH | | eP | 03 22 09 |
| | | iL | 23 16 |
| Sept. 1 | | | |
| HH | | e(P) | 03 31 19 |
| Sept. 1 | | | |
| HH | | eS | 05 20 23 |
| NEL | | i(P) | 05 17 57 |
| SLC | | eP | 05 17 21 |
| | | eS | 18 16 |
| | | eL | 18 33 |
| TUC | | e(P) | 05 20 22 |
| | | e | 20 40 |
| Sept. 1 | | | |
| BC | | iP | 05 19 57.2 |
| BOZ | | eP | 05 20 51 |
| | | e | 21 07 |
| | | i | 21 16 |
| | | iS | 22 12 |
| | | e | 22 33 |
| | | eL | 22 57 |
| BUT | | eP | 05 20 45 |
| | | i | 21 07 |
| CHI | | eP | 05 24 00 |
| | | eS | 28 13 |
| | | eL | 31 03 |
| COL | | iP | 05 25 04 |
| | | i | 28 01 |
| | | eS | 30 14 |
| | | eL | 31 28 |
| HH | | eP | 05 21 06 |
| | | iL | 23 51 |
| NEL | | iP | 05 19 59.1 |
| | | i | 20 16 |
| RC | | eP | 05 21 47 |
| | | ePP | 22 45 |
| | | eS | 24 07 |
| | | eL | 25 00 |
| SLC | | iP | 05 20 09 |
| | | iS | 21 04 |
| | | iL | 21 27 |
| SIT | | eP | 05 23 28 |
| | | ePP | 24 21 |
| SIT | | eS | 05 27 32 |
| | | eL | 28 07 |
| TUC | | eP | 05 21 09 |
| | | i | 21 17 |
| | | i | 21 45 |
| | | iL | 23 33 |
| Sept. 1 | | | |
| HH | | e(P) | 05 52 38 |
| Sept. 1 | | | |
| NEL | | eP | 08 44 43 |
| Sept. 1 | | | |
| BUT | | eP | 10 33 10 |
| | | e(S) | 34 20 |
| HH | | eP | 10 33 04 |
| | | eL | 35 24 |
| Sept. 1 | | | |
| HH | | e(P) | 11 20 34 |
| | | eL | 22 54 |
| Sept. 1 | | | |
| BC | | iP | 11 30 31.0 |
| BOZ | | eP | 11 31 45 |
| BUT | | eP | 11 31 43 |
| | | e | 32 27 |
| HH | | eP | 11 31 41 |
| | | eL | 34 15 |
| NEL | | iP | 11 30 33.5 |
| | | i | 30 47.9 |
| SLC | | eP | 11 30 43 |
| | | eS | 31 43 |
| | | iL | 32 04 |
| Sept. 1 | | | |
| BC | | iP | 12 36 23.2 |
| BOZ | | eP | 12 35 53 |
| BUT | | eP | 12 35 47 |
| COL | | iP | 12 32 30 |
| | | ipP | 32 41 |
| | | isP | 32 48 |
| HH | | iP | 12 35 31 |
| | | i | 36 28 |
| NEL | | iP | 12 36 23.6 |
| | | ipP | 36 42.6 |
| TUC | | iP | 12 36 54 |
| Sept. 1 | | | |
| BUT | | eP | 12 47 26 |
| | | e | 48 38 |
| Sept. 1 | | | |
| COL | | eP | 16 45 36 |
| | | iP | 45 38 |
| Sept. 1 | | | |
| HH | | eP | 17 49 01 |
| Sept. 1 | | | |
| COL | | iP | 21 01 14 |
| Sept. 1 | | | |
| BC | | i(P) | 22 33 07.2 |
| BUT | | e(P) | 22 35 39 |
| | | ePP | 37 49 |
| COL | | eP | 22 34 15 |
| HH | | e(P) | 22 33 13 |
| NEL | | e(P) | 22 30 25 |
| Sept. 1 | | | |
| NEL | | iP | 23 41 53.1 |
| Sept. 2 | | | |
| BC | | eP | 00 08 30 |
| NEL | | iP | 00 08 29.0 |
| Sept. 2 | | | |
| COL | | iP | 02 06 07 |
| HH | | eP | 02 06 51 |
| | | iP | 06 54 |
| NEL | | eP | 02 07 50 |
| Sept. 2 | | | |
| COL | | iP | 03 06 36 |
| Sept. 2 | | | |
| HH | | e(P) | 04 49 43 |
| Sept. 2 | | | |
| COL | | iP | 05 17 36 |
| NEL | | e(P) | 05 16 43 |
| Sept. 2 | | | |
| HH | | e(P) | 05 52 32 |
| Sept. 2 | | | |
| COL | | iP | 06 27 32 |
| HH | | eP | 06 30 04 |
| Sept. 2 | | | |
| BUT | | e(P) | 07 57 16 |
| HH | | eP | 07 55 31 |
| | | e | 57 46 |
| | | iL | 58 08 |
| SLC | | eP | 07 55 44 |
| | | e | 55 57 |
| | | eS | 56 56 |
| | | eL | 57 05 |
| Sept. 2 | | | |
| HH | | e(P) | 09 34 52 |
| | | e | 35 39 |
| Sept. 2 | | | |
| BUT | | e(P) | 10 20 52 |
| SLC | | eP | 10 18 34 |
| | | eS | 19 35 |
| | | eL | 19 48 |
| Sept. 2 | | | |
| BOZ | | eP | 13 29 16 |
| BUT | | eP | 13 29 10 |
| | | eS | 30 51 |
| | | iL | 31 18 |
| HH | | eP | 13 29 07 |
| | | e | 30 18 |
| | | eL | 31 44 |
| SLC | | eP | 13 28 16 |
| | | e | 28 32 |
| | | e(S) | 29 16 |
| | | iL | 29 36 |
| Sept. 2 | | | |
| COL | | iP | 15 55 24 |
| Sept. 2 | | | |
| NEL | | e(P) | 16 16 41 |
| Sept. 2 | | | |
| BC | | iP | 18 30 47.1 |
| NEL | | eP | 18 30 41 |
| | | e | 30 59 |
| Sept. 2 | | | |
| BC | | iP | 19 04 11.6 |
| BOZ | | iP | 19 04 35 |
| BUT | | iP | 19 04 29 |
| | | i | 05 30 |
| | | eSKS | 14 51 |
| | | ePS | 16 22 |
| | | ePPS | 17 32 |
| | | eSS | 21 34 |
| | | eL | 32 10 |
| COL | | iP | 19 03 45 |
| | | ipP | 04 16 |
| | | isP | 04 33 |
| | | eS | 13 51 |
| | | ePS | 14 47 |
| | | eSS | 19 12 |
| | | eL | 27 02 |
| HONO | | eP | 19 00 04 |
| | | eS | 06 45 |
| | | eL | 11 16 |
| HH | | iP | 19 04 28 |
| | | e | 21 19 |
| | | iPKKP | 21 52 |
| | | eP'P' | 29 55 |
| NEL | | iP | 19 04 11.7 |
| | | i | 04 27.3 |
| | | ipP | 04 43.8 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| NEL | isP | 19 04 49.8 |
| | iPP | 07 37.8 |
| SLC | iP | 19 04 28 |
| | epP | 05 01 |
| | esP | 05 17 |
| | eS | 15 13 |
| | esPS | 17 15 |
| SJ | iP' | 19 10 30 |
| TUC | iP | 19 04 23 |
| | epP | 04 55 |
| | esP | 05 12 |
| | ePP | 07 57 |
| | eS | 15 09 |
| | ePS | 16 10 |
| Sept. 2 | | |
| NEL | eP | 19 30 01 |
| Sept. 2 | | |
| COL | iP | 23 24 12 |
| Sept. 2 | | |
| BH | iP | 23 34 02 |
| | iS | 34 14 |
| Sept. 3 | | |
| COL | i(P) | 02 27 50 |
| Sept. 3 | | |
| BC | iP | 03 07 37.7 |
| COL | iP | 03 08 05 |
| | i | 08 24 |
| HH | eP | 03 08 11 |
| NEL | iP | 03 07 37.1 |
| TUC | iP | 03 07 42 |
| Sept. 3 | | |
| BC | iP | 03 20 15.0 |
| HH | e(P) | 03 19 43 |
| NEL | iP | 03 20 15.3 |
| | i | 20 26.6 |
| TUC | eP | 03 19 55 |
| Sept. 3 | | |
| COL | iP | 04 59 08 |
| Sept. 3 | | |
| NEL | e(P) | 12 49 15 |
| Sept. 3 | | |
| COL | eP | 13 43 34 |
| | e | 43 45 |
| Sept. 3 | | |
| COL | iP | 16 48 08 |
| NEL | iP | 16 47 28.9 |
| Sept. 3 | | |
| NEL | iP | 18 55 29.7 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 3 | | |
| BH | eP | 21 32 44 |
| | iS | 33 27 |
| HH | eP | 21 37 05 |
| | eL | 37 43 |
| Sept. 3 | | |
| BC | e(P) | 23 06 25 |
| NEL | e(P) | 23 06 27 |
| | i | 06 41.8 |
| Sept. 4 | | |
| BC | eP | 03 42 38 |
| | iPP | 47 07.0 |
| BOZ | eP | 03 42 43 |
| BUT | e(P) | 03 43 18 |
| | ePP | 46 45 |
| | iSKS | 53 14 |
| | eS | 54 12 |
| | iPS | 56 05 |
| | eSS | 04 02 22 |
| | eL | 05 10 |
| COL | iP | 03 41 07 |
| | ipP | 41 23 |
| | i | 41 44 |
| | iS | 51 34 |
| | eSS | 56 46 |
| | eL | 04 03 35 |
| COLU | eP' | 03 47 45 |
| | iPKS | 51 10 |
| | e(S) | 56 52 |
| | ePS | 04 00 20 |
| | eSS | 07 35 |
| | eSSS | 13 21 |
| HONO | iP | 03 39 15 |
| | ipP | 39 33 |
| | i | 40 07 |
| | ePP | 41 26 |
| | eS | 48 04 |
| | esS | 48 38 |
| | eSS | 52 15 |
| | eL | 54 29 |
| $T_L$ = 8 sec. $A_{max.}$ = 5mm. | | |
| HH | eP | 03 42 31 |
| | ipP | 42 52 |
| | eP' | 46 12 |
| | ePP | 46 52 |
| | eSKS | 53 04 |
| | ePKKP | 58 25 |
| MONT | ePP | 03 48 03 |
| NEL | iP | 03 42 36.1 |
| | ipP | 42 58.2 |
| | isP | 43 17.7 |
| | iPP | 47 06.1 |
| | ipPP | 47 30.9 |
| | isPP | 47 46.9 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| PHIL | ePP | 03 50 02 |
| | ePKS | 51 09 |
| | eSKKS | 56 13 |
| | ePS | 04 00 02 |
| | ePPS | 01 45 |
| | eSS | 07 52 |
| | eL | 22 44 |
| SJ | eP' | 03 48 17 |
| | iP' | 48 22 |
| TUC | eP | 03 42 53 |
| | ePS | 56 43 |
| | e(SS) | 04 03 11 |
| | eL | 13 14 |
| Sept. 4 | | |
| NEL | i(P) | 03 58 57.8 |
| SLC | eP | 03 58 39 |
| Sept. 4 | | |
| BOZ | eP | 04 26 37 |
| HH | e(P) | 04 26 43 |
| | eL | 29 10 |
| Sept. 4 | | |
| BOZ | e(P) | 04 38 24 |
| Sept. 4 | | |
| HH | eP | 04 42 57 |
| | e | 44 59 |
| Sept. 4 | | |
| BC | eP' | 07 02 20 |
| COL | eP | 06 55 50 |
| | iP | 55 52 |
| | i(PP) | 07 00 18 |
| | eS | 05 49 |
| | ePS | 07 17 |
| HH | eP | 06 57 42 |
| | ePP | 07 01 44 |
| MONT | iP' | 07 03 45 |
| NEL | e(P') | 07 02 31 |
| | ePP | 02 54 |
| | ePKKP | 13 18 |
| Sept. 4 | | |
| COL | iP | 06 57 20 |
| HH | eP | 06 59 11 |
| | e | 07 03 17 |
| | e | 15 21 |
| MONT | iP' | 07 05 13 |
| NEL | iP' | 07 03 58.8 |
| | iPP | 04 51.8 |
| Sept. 4 | | |
| HH | e(P) | 07 47 34 |
| NEL | e(P) | 07 48 27 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 4 | | |
| NEL | e(P) | 08 40 55 |
| Sept. 4 | | |
| COL | iP | 09 00 21 |
| Sept. 4 | | |
| COL | eP | 09 04 40 |
| | eS | 13 57 |
| | eSS | 19 16 |
| | eL | 21 34 |
| HH | eP | 09 06 45 |
| | ePP | 10 38 |
| Sept. 4 | | |
| COL | eP | 09 32 38 |
| HH | eP | 09 34 43 |
| Sept. 4 | | |
| COL | iP | 11 08 31 |
| | i | 08 34 |
| Sept. 4 | | |
| HH | e(P) | 12 17 19 |
| Sept. 4 | | |
| BC | eP | 13 24 43 |
| BOZ | eP | 13 25 12 |
| COL | iP | 13 24 20 |
| HH | eP | 13 24 58 |
| | e | 25 15 |
| NEL | eP | 13 24 42 |
| | i | 24 55 |
| SLC | eP | 13 25 17 |
| TUC | ePS | 13 36 49 |
| | eL | 53 22 |
| Sept. 4 | | |
| HH | e(P) | 15 01 25 |
| Sept. 4 | | |
| BC | eP | 21 02 40 |
| COL | iP | 21 03 18 |
| | e | 03 40 |
| HH | eP | 21 03 18 |
| NEL | iP | 21 02 39.5 |
| Sept. 4 | | |
| BC | iP | 21 11 27.0 |
| HH | eP | 21 12 15 |
| NEL | iP | 21 11 25.5 |
| | i | 11 48.5 |
| Sept. 4 | | |
| BC | iP | 21 18 28.3 |

B-4297-4

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| BOZ | eP | | 21 17 53 |
| BUT | eP | | 21 17 47 |
| | epP | | 18 51 |
| COL | iP | | 21 14 18 |
| HH | iP | | 21 17 29 |
| | ipP | | 18 43 |
| | isP | | 18 58 |
| NEL | iP | | 21 18 28.7 |
| | i | | 18 32.4 |
| | i | | 18 43.5 |
| SLC | eP | | 21 18 15 |
| | e | | 18 40 |
| Sept. 4 | | | |
| COL | iP | | 21 45 03 |
| | eL | | 45 45 |
| Sept. 4 | | | |
| SLC | eP | | 22 40 32 |
| Sept. 5 | | | |
| COL | iP | | 04 13 32 |
| | i | | 13 40 |
| HH | e(P) | | 04 12 43 |
| Sept. 5 | | | |
| BC | iP | | 07 58 15.7 |
| BOZ | eP | | 07 58 47 |
| BUT | eP | | 07 58 44 |
| | i | | 58 51 |
| | i | | 59 13 |
| | ePP | | 08 02 21 |
| | iSKS | | 09 18 |
| | iS | | 09 50 |
| | iPS | | 10 56 |
| | e | | 18 39 |
| | eL | | 22 39 |
| COL | eP | | 07 58 26 |
| | i | | 58 38 |
| | i | | 59 00 |
| | eSKS | | 08 08 55 |
| | iS | | 09 12 |
| | e(PS) | | 10 16 |
| | e | | 11 56 |
| | eSSS | | 18 50 |
| HONO | eP | | 07 54 17 |
| | eS | | 08 01 08 |
| | eScS | | 03 45 |
| | eL | | 05 04 |
| $T_L$ = 12 sec. $A_{max}$ = 18mm | | | |
| HH | eP | | 07 58 44 |
| | ePP | | 08 02 20 |
| | eSKS | | 09 18 |
| | ePKKP | | 16 02 |
| | eP'P' | | 24 20 |
| NEL | iP | | 07 58 15.3 |
| | i | | 58 21.5 |
| | i | | 08 01 33.5 |
| | eP'P' | | 24 27 |
| PHIL | ePP | | 08 05 27 |
| | eSKS | | 11 09 |
| | ePS | | 15 06 |
| | ePPS | | 16 13 |
| | eSS | | 21 14 |
| | eL | | 32 49 |
| SLC | iP | | 07 58 27 |
| | i | | 58 43 |
| | i | | 58 52 |
| | i | | 59 04 |
| | ePP | | 08 02 04 |
| | eS | | 09 10 |
| | eScS | | 09 35 |
| | eL | | 21 19 |
| SJ | eP' | | 08 04 29 |
| TUC | eP | | 07 58 22 |
| | i | | 58 26 |
| | e(PP) | | 08 02 04 |
| | eS | | 08 55 |
| | eScS | | 09 10 |
| | ePPS | | 10 05 |
| | e | | 11 28 |
| | eSS | | 14 43 |
| | eSSS | | 18 20 |
| | eL | | 21 11 |
| UK | e | | 07 57 17 |
| | eS | | 08 08 11 |
| | eL | | 19 19 |
| Sept. 5 | | | |
| HH | iP | | 08 13 29 |
| NEL | iP | | 08 13 44.5 |
| Sept. 5 | | | |
| BC | e(P) | | 08 44 34 |
| COL | eP | | 08 44 47 |
| NEL | e(P) | | 08 44 34 |
| Sept. 5 | | | |
| BC | e(P) | | 09 13 39 |
| NEL | eP | | 09 13 25 |
| | e | | 13 36 |
| Sept. 5 | | | |
| HH | e(P) | | 10 31 09 |
| | e | | 33 05 |
| Sept. 5 | | | |
| HH | eP | | 14 05 30 |
| | iP | | 05 32 |
| | i(S) | | 06 04 |
| Sept. 5 | | | |
| BC | iP | | 14 23 06.4 |
| | ipP | | 23 29.2 |
| BOZ | eP | | 14 23 35 |
| HH | iP | | 14 23 55 |
| | ipP | | 24 17 |
| MONT | iP | | 14 12 32 |
| NEL | iP | | 14 23 06.3 |
| | ipP | | 23 28.5 |
| SJ | iP | | 14 19 12 |
| Sept. 5 | | | |
| NEL | e(P) | | 15 16 13 |
| Sept. 5 | | | |
| HH | e(P) | | 16 19 42 |
| NEL | eP | | 16 19 23 |
| | i | | 19 36.4 |
| SJ | iP | | 16 11 44 |
| Sept. 5 | | | |
| COL | iP | | 16 25 42 |
| | i | | 25 53 |
| | iS | | 26 24 |
| Sept. 5 | | | |
| BUT | e(P) | | 16 38 36 |
| | i | | 38 59 |
| HH | e(P) | | 16 39 19 |
| | eL | | 40 15 |
| Sept. 5 | | | |
| COL | eP | | 17 28 02 |
| Sept. 5 | | | |
| BC | iP | | 17 51 05.9 |
| BOZ | eP | | 17 51 37 |
| BUT | eP | | 17 51 42 |
| | e | | 51 54 |
| HH | iP | | 17 51 54 |
| MONT | eP | | 17 40 25 |
| | iP | | 40 27 |
| | i | | 40 31 |
| NEL | iP | | 17 51 04.3 |
| | ipP | | 51 16.2 |
| | isP | | 51 23.2 |
| TUC | e(P) | | 17 50 35 |
| Sept. 5 | | | |
| BC | e(P) | | 19 05 38 |
| COL | iP | | 19 01 08 |
| Sept. 5 | | | |
| BUT | e(P) | | 20 18 26 |
| | e | | 19 11 |
| | e | | 20 10 |
| HH | e(P) | | 20 18 54 |
| | e | | 20 58 |
| Sept. 6 | | | |
| BC | e(P) | | 01 00 14 |
| | e | | 00 22 |
| BOZ | eP | | 01 00 56 |
| BUT | e(P) | | 01 00 53 |
| COL | eP | | 01 00 43 |
| | i | | 00 57 |
| HH | eP | | 01 00 54 |
| NEL | iP | | 01 00 18.2 |
| TUC | eP | | 01 00 25 |
| Sept. 6 | | | |
| COL | iP | | 03 47 54 |
| Sept. 6 | | | |
| COL | eP | | 05 52 30 |
| Sept. 6 | | | |
| BC | e(P) | | 06 40 26 |
| | e | | 40 31 |
| COL | eP | | 06 36 16 |
| HH | eP | | 06 39 37 |
| NEL | eP | | 06 40 20 |
| | e | | 40 32 |
| Sept. 6 | | | |
| COL | iP | | 10 58 02 |
| HH | iP | | 10 56 15 |
| | e | | 11 00 06 |
| Sept. 6 | | | |
| COL | iP | | 11 36 47 |
| HH | eP | | 11 38 51 |
| Sept. 6 | | | |
| COL | iP | | 14 17 58 |
| HH | eP | | 14 20 01 |
| Sept. 6 | | | |
| BC | i(P) | | 14 35 25.6 |
| COL | iP | | 14 28 03 |
| HH | e(P) | | 14 30 09 |
| NEL | iP | | 14 35 25 |
| Sept. 6 | | | |
| COL | iP | | 16 58 22 |
| | i | | 58 35 |
| HH | iP | | 17 00 26 |
| | i | | 00 54 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HH | ePP | 17 04 16 |
| | ePKKP | 17 17 |
| MONT | eP' | 17 07 14 |
| Sept. 6 | | |
| COL | iP | 17 09 22 |
| HH | iP | 17 11 26 |
| Sept. 6 | | |
| BC | e(P) | 18 07 17 |
| COL | iP | 18 06 29 |
| NEL | eP | 18 06 30 |
| | e | 07 15 |
| Sept. 6 | | |
| BC | eP | 18 41 03 |
| | i | 41 07.1 |
| | ipP | 41 19.1 |
| | i | 41 21.6 |
| | iS | 49 27.1 |
| | iP'P' | 19 10 21.1 |
| BOZ | eP | 18 40 32 |
| | iP | 40 34 |
| | ipP | 40 48 |
| | eP'P' | 19 10 04 |
| BUT | eP | 18 40 22 |
| | i | 40 24 |
| | ipP | 40 39 |
| COL | iP | 18 37 01 |
| | e(PP) | 38 27 |
| | e | 39 15 |
| | iS | 42 02 |
| | isS | 42 20 |
| | iL | 43 18 |
| | i(P'P') | 19 08 52 |
| HONO | eP | 18 39 08 |
| | eS | 45 31 |
| | e | 45 42 |
| | eL | 49 03 |
| $T_L$ = 12 sec. | $A_{max.}$ = 5 mm. | |
| HH | eP | 18 40 08 |
| | ipP | 40 24 |
| | isP | 40 34 |
| | ePP | 42 18 |
| | epPP | 42 44 |
| | ePPP | 43 36 |
| | eS | 47 40 |
| | esS | 48 08 |
| | eScS | 49 55 |
| | e | 50 20 |
| | e(P'P') | 19 09 51 |
| MONT | iP' | 18 50 08 |
| | ipP' | 50 26 |
| | iPKS | 53 32 |
| NEL | iP | 18 41 04.6 |
| | i | 41 06.6 |
| | ipP | 41 21 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| NEL | iPP | 18 43 28.6 |
| | e(P'P') | 19 09 59 |
| | eP'P' | 10 20.6 |
| PHIL | eP | 18 42 44 |
| | eS | 52 26 |
| | eScS | 52 53 |
| | eL | 19 01 31 |
| SLC | iP | 18 40 53 |
| | ipP | 41 09 |
| | iPcP | 41 47 |
| | eS | 49 00 |
| | iS | 49 04 |
| | esS | 49 26 |
| | eL | 55 52 |
| | iP'P' | 19 10 26 |
| SIT | iP | 18 38 08 |
| | epP | 38 22 |
| | isP | 38 44 |
| | ePP | 39 39 |
| | iPP | 39 43 |
| | e(PcP) | 40 02 |
| | e | 42 18 |
| | eS | 43 56 |
| | iS | 44 02 |
| | isS | 44 22 |
| | eL | 46 18 |
| | iScS | 47 56 |
| TUC | eP | 18 41 35 |
| | iP | 41 37 |
| | ipP | 41 52 |
| | eP'P | 44 16 |
| | eS | 50 22 |
| | eSS | 54 48 |
| | eSSS | 58 14 |
| | eL | 19 01 26 |
| | iP'P' | 19 10 10 |
| UK | eP | 18 40 31 |
| | eS | 47 53 |
| | eL | 54 15 |
| WASH | iP | 18 42 47 |
| | ipP | 43 03 |
| | i(sP) | 43 35 |
| | e(S) | 52 50 |
| | eSS | 58 03 |
| Sept. 6 | | |
| HH | eP | 20 21 35 |
| Sept. 6 | | |
| COL | eP | 20 23 04 |
| HH | eP | 20 25 09 |
| Sept. 6 | | |
| COL | eP | 20 31 43 |
| Sept. 6 | | |
| HH | eP | 20 43 48 |
| Sept. 6 | | |
| HH | e(P) | 21 40 18 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 7 | | |
| COL | eP | 00 06 16 |
| HH | e(P) | 00 08 19 |
| Sept. 7 | | |
| BC | e(P') | 00 26 12 |
| COL | iP | 00 19 45 |
| HH | iP | 00 21 50 |
| MONT | eP' | 00 28 34 |
| NEL | e(P') | 00 25 51 |
| TUC | ePP | 00 27 05 |
| Sept. 7 | | |
| BC | e(P') | 00 29 56 |
| COL | iP | 00 23 10 |
| | i | 23 22 |
| HH | eP | 00 25 14 |
| MONT | e(P') | 00 32 09 |
| NEL | e(P') | 00 29 39 |
| TUC | ePP | 00 30 32 |
| Sept. 7 | | |
| BC | e(P') | 00 52 18 |
| COL | iP | 00 46 38 |
| | i | 46 40 |
| | i | 46 45 |
| | i | 46 53 |
| HH | eP | 00 48 40 |
| | ePP | 52 26 |
| MONT | eP' | 00 55 26 |
| NEL | e(P) | 00 49 11 |
| | ePP | 53 20 |
| Sept. 7 | | |
| HH | e(P) | 01 28 08 |
| Sept. 7 | | |
| TUC | e(P) | 01 53 53 |
| Sept. 7 | | |
| COL | eP | 03 50 25 |
| Sept. 7 | | |
| BC | iP | 07 26 22.1 |
| | epP | 28 32 |
| BUT | eP | 07 26 48 |
| COL | iP | 07 26 39 |
| HH | iP | 07 26 52 |
| | e(pP) | 29 14 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| NEL | iP | 07 26 21.1 |
| | ipP | 28 35.1 |
| SLC | iP | 07 26 43 |
| | epP | 28 56 |
| TUC | iP | 07 26 28 |
| | epP | 28 40 |
| Sept. 7 | | |
| BC | e(P) | 07 39 22 |
| NEL | i(P) | 07 39 23.1 |
| | i | 39 38.6 |
| | i | 39 50.1 |
| Sept. 7 | | |
| COL | iP | 07 43 51 |
| | iPP | 46 09 |
| HH | e(P) | 07 43 11 |
| Sept. 7 | | |
| COL | iP | 07 50 23 |
| Sept. 7 | | |
| HH | e(P) | 09 24 56 |
| Sept. 7 | | |
| BC | e(P') | 10 17 08 |
| COL | eP | 10 10 30 |
| | iP | 10 32 |
| | i | 10 38 |
| | i | 10 50 |
| HH | e(P) | 10 12 22 |
| | ePP | 16 29 |
| Sept. 7 | | |
| COL | eP | 10 34 07 |
| Sept. 7 | | |
| HH | eP | 11 20 11 |
| Sept. 7 | | |
| BC | i(P) | 12 45 18.2 |
| COL | iP | 12 45 42 |
| NEL | e(P) | 12 45 17 |
| TUC | eP | 12 45 23 |
| Sept. 7 | | |
| COL | eP | 13 53 12 |
| Sept. 7 | | |
| NEL | e(P) | 15 08 16 |
| Sept. 7 | | |
| COL | iP | 15 36 06 |
| NEL | iP | 15 36 41 |
| Sept. 7 | | |
| COL | eP | 16 37 50 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| HH | e(P) | | 16 38 08 |
| NEL | eP | | 16 39 47 |
| Sept. 7 | | | |
| HH | e(P) | | 16 41 49 |
| Sept. 7 | | | |
| BC | e(P) | | 21 14 48 |
| NEL | iP | | 21 14 36.9 |
| Sept. 7 | | | |
| HH | e(P) | | 23 57 46 |
| Sept. 8 | | | |
| COL | iP | | 02 51 26 |
| HH | eP | | 02 53 28 |
| Sept. 8 | | | |
| HH | eP | | 03 16 45 |
| Sept. 8 | | | |
| COL | eP | | 04 13 23 |
| | ePP | | 14 28 |
| Sept. 8 | | | |
| BOZ | eP | | 07 20 05 |
| BUT | e(P) | | 07 19 29 |
| | e | | 20 56 |
| HH | eP | | 07 19 56 |
| | eL | | 22 16 |
| Sept. 8 | | | |
| NEL | eP | | 07 49 10 |
| Sept. 8 | | | |
| HH | e(P) | | 08 26 51 |
| NEL | eP | | 08 29 58 |
| Sept. 8 | | | |
| COL | iP | | 09 51 46 |
| | i | | 54 25 |
| Sept. 8 | | | |
| COL | eP | | 12 05 55 |
| | ePP | | 07 08 |
| Sept. 8 | | | |
| NEL | eP | | 13 05 06 |
| Sept. 8 | | | |
| NEL | e(P) | | 13 41 46 |
| Sept. 8 | | | |
| COL | eP | | 15 05 41 |
| Sept. 8 | | | |
| COL | iP | | 15 54 16 |
| | i | | 54 43 |
| Sept. 8 | | | |
| BC | iP | | 17 41 34.9 |
| BOZ | eP | | 17 42 08 |
| | epP | | 42 34 |
| BUT | eP | | 17 42 14 |
| | epP | | 42 42 |
| COL | iP | | 17 44 28 |
| | ipP | | 44 58 |
| HH | iP | | 17 42 27.5 |
| | epP | | 42 54 |
| MONT | eP | | 17 33 02 |
| | i | | 33 11 |
| | ipP | | 33 32 |
| | iS | | 34 29 |
| NEL | iP | | 17 41 33.6 |
| | i | | 41 42.8 |
| | ipP | | 42 01.6 |
| SLC | iP | | 17 41 46 |
| | ipP | | 42 13 |
| | esP | | 42 39 |
| SJ | e(P) | | 17 38 07 |
| Sept. 8 | | | |
| NEL | e(P) | | 18 10 23 |
| Sept. 8 | | | |
| BC | eP | | 21 49 14 |
| HH | e(P) | | 21 50 02 |
| NEL | iP | | 21 49 12.0 |
| | epP | | 49 46 |
| Sept. 8 | | | |
| NEL | eP | | 22 45 24 |
| SLC | eP | | 22 44 20 |
| Sept. 9 | | | |
| COL | iP | | 00 00 30 |
| | e | | 00 53 |
| HH | e(P) | | 00 03 42 |
| Sept. 9 | | | |
| NEL | iP | | 00 32 23 |
| | i | | 32 41 |
| Sept. 9 | | | |
| HH | e(P) | | 00 43 39 |
| Sept. 9 | | | |
| HH | e(P) | | 00 48 01 |
| Sept. 9 | | | |
| BC | iP | | 01 14 14.8 |
| | ipP | | 15 00.1 |
| BOZ | eP | | 01 14 53 |
| BUT | eP | | 01 14 50 |
| | epP | | 15 34 |
| COL | iP | | 01 14 47 |
| | ipP | | 15 36 |
| | e(PP) | | 18 05 |
| | eS | | 25 15 |
| HH | iP | | 01 14 50.5 |
| | epP | | 15 33 |
| MONT | iP | | 01 15 31 |
| | ipP | | 16 18 |
| NEL | iP | | 01 14 13.5 |
| | i | | 14 26.8 |
| | i | | 14 38.7 |
| | ipP | | 14 58.3 |
| | isP | | 15 14.3 |
| SLC | eP | | 01 14 37 |
| | ePcP | | 15 01 |
| | epP | | 15 22 |
| TUC | iP | | 01 14 19 |
| | ipP | | 15 04 |
| Sept. 9 | | | |
| BC | iP | | 01 17 27.1C |
| | i | | 17 41.1 |
| | i | | 18 29.3 |
| | e | | 24 16 |
| | eS | | 28 08 |
| BOZ | iP | | 01 16 42D |
| | i | | 17 16 |
| | i | | 17 28 |
| | ePP | | 19 40 |
| | eS | | 26 38 |
| | eScS | | 27 16 |
| | eSS | | 31 40 |
| | eSSS | | 35 04 |
| | eL | | 37 14 |
| BUT | eP | | 01 16 44D |
| | i | | 16 53 |
| | ePP | | 19 46 |
| | ePPP | | 21 39 |
| | iS | | 26 45 |
| | i | | 26 57 |
| | eScS | | 27 25 |
| | e | | 29 43 |
| | eSS | | 31 59 |
| | eSSS | | 35 11 |
| | eL | | 39 09 |
| | eP'P' | | 43 32 |
| CHI | eP | | 01 15 28 |
| | ePP | | 17 56 |
| | ePPP | | 19 31 |
| | eS | | 24 12 |
| | eScS | | 25 26 |
| | e | | 27 28 |
| | eSS | | 28 49 |
| | eL | | 32 06 |
| COL | iP | | 01 16 30C |
| | ePP | | 19 26 |
| | ePPP | | 21 06 |
| | eS | | 26 12 |
| | iScS | | 26 57 |
| | eSS | | 31 12 |
| | eSSS | | 34 29 |
| | eL | | 36 03 |
| | eP'P' | | 43 38 |
| HONO | e(P') | | 01 23 24 |
| | e(PP) | | 26 21 |
| | ePS | | 34 18 |
| | eSS | | 41 03 |
| | eL | | 53 06 |
| $T_L$ = 18 sec. $A_{max.}$ = 4mm. | | | |
| HH | iP | | 01 16 39C |
| | eS | | 26 24 |
| | e | | 26 37 |
| | ePPS | | 27 29 |
| | e | | 29 25 |
| | e(PKKP) | | 34 26 |
| | eP'P' | | 43 26 |
| MONT | iP | | 01 17 35C |
| | i | | 17 49 |
| | i | | 32 09 |
| | eSKPP' | | 47 45 |
| NEL | iP | | 01 17 28.1C |
| | iPcP | | 17 33 |
| | i | | 17 49.5 |
| | i | | 18 31.2 |
| | i | | 19 39.0 |
| | iPP | | 20 49.5 |
| | ePS | | 29 04 |
| | e | | 32 49 |
| | ePKKP | | 35 19 |
| | e | | 40 52 |
| | eP'P' | | 43 23 |
| PHIL | iP | | 01 14 40E,S |
| | eS | | 22 44 |
| | eScS | | 24 37 |
| | e(SS) | | 26 59 |
| | eL | | 28 58 |
| SLC | iP | | 01 17 01 |
| | i | | 17 18 |
| | i | | 17 35 |
| | i | | 17 59 |
| | i | | 18 06 |
| | ePP | | 20 05 |
| | eS | | 27 15 |
| | iS | | 27 25 |
| | ePPS | | 28 20 |
| | e | | 29 51 |
| | eSS | | 32 50 |
| | eSSS | | 35 58 |
| | eL | | 38 12 |
| | ePKKP | | 35 13 |
| | eP'P' | | 43 30 |
| SJ | iP | | 01 14 59C |
| | ePP | | 17 14 |
| | eS | | 23 24 |
| | eScS | | 24 50 |
| | eSS | | 27 29 |
| | eL | | 30 09 |
| | eP'P' | | 44 21 |
| SIT | iP | | 01 16 55 |
| | iPP | | 19 56 |
| | iS | | 27 05 |
| | iScS | | 27 49 |
| | e | | 29 42 |
| | eSS | | 32 04 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SIT | eSSS | 01 36 02 |
| | eL | 38 18 |
| TUC | iP | 01 17 26C |
| | iPP | 20 46 |
| | eS | 28 06 |
| | ePS | 29 09 |
| | e | 30 48 |
| | eSS | 34 03 |
| | eSSS | 37 28 |
| | eL | 41 46 |
| UK | eP | 01 17 45 |
| | eS | 26 20 |
| | eSS | 33 36 |
| | eL | 40 11 |
| WASH | iP | 01 15 52D |
| | iPcP | 16 19 |
| | e(S) | 24 13 |
| | eL | 34 25 |
| Sept. 9 | | |
| BC | eP | 02 02 38 |
| | e | 02 43 |
| BOZ | eP | 02 01 53 |
| BUT | iP | 02 01 56 |
| | e | 02 01 |
| COL | eP | 02 01 40 |
| HH | iP | 02 01 50 |
| NEL | iP | 02 02 38.5 |
| SLC | iP | 02 02 12 |
| TUC | eP | 02 02 37 |
| Sept. 9 | | |
| BC | eP | 03 05 12 |
| | i | 05 16 |
| BOZ | eP | 03 04 27 |
| BUT | eP | 03 04 30 |
| COL | iP | 03 04 16 |
| HH | iP | 03 04 24 |
| MONT | iP | 03 05 19 |
| NEL | iP | 03 05 13.2 |
| SLC | eP | 03 04 46 |
| SJ | eP | 03 02 44 |
| TUC | e(P) | 03 05 12 |
| Sept. 9 | | |
| BC | eP | 03 50 58 |
| COL | iP | 03 55 14 |
| HH | eP | 03 52 00 |
| | ePP | 53 41 |
| NEL | iP | 03 50 56.8 |
| SLC | eP | 03 51 08 |
| | e | 51 52 |
| | e(PP) | 53 21 |
| TUC | e(P) | 03 50 15 |
| Sept. 9 | | |
| NEL | iP | 03 53 16.2 |
| Sept. 9 | | |
| HH | eP | 04 26 04 |
| Sept. 9 | | |
| HH | e(P) | 04 59 33 |
| NEL | eP | 04 58 36 |
| | e | 58 53 |
| SJ | e(P) | 04 54 08 |
| TUC | e(P) | 04 57 57 |
| Sept. 9 | | |
| BOZ | e(P) | 08 50 15 |
| Sept. 9 | | |
| BOZ | eP | 09 23 16 |
| | eL | 25 24 |
| BUT | e(P) | 09 23 19 |
| | eS | 25 22 |
| | eL | 25 47 |
| COL | eP | 09 27 22 |
| HH | eP | 09 23 28 |
| | eL | 25 45 |
| NEL | iP | 09 22 23 |
| | i | 22 43 |
| Sept. 9 | | |
| HH | e(P) | 09 39 52 |
| SLC | iP | 09 38 56 |
| Sept. 9 | | |
| BC | iP | 09 41 31.6 |
| | i | 41 34.4 |
| BOZ | eP | 09 40 46 |
| BUT | iP | 09 40 49 |
| COL | iP | 09 40 34 |
| HH | iP | 09 40 44 |
| | e | 46 39 |
| NEL | iP | 09 41 32.4 |
| | e | 41 45 |
| SJ | iP | 09 39 03 |
| Sept. 9 | | |
| COL | iP | 10 00 02 |
| | i | 00 12 |
| HH | iP | 10 04 44 |
| Sept. 9 | | |
| HH | eP | 10 37 07 |
| Sept. 9 | | |
| HH | e(P) | 13 08 28 |
| Sept. 9 | | |
| COL | iP | 14 13 17 |
| Sept. 9 | | |
| BC | iP | 14 32 30.7 |
| BOZ | eP | 14 32 30 |
| BUT | iP | 14 32 24 |
| COL | iP | 14 30 27 |
| HH | iP | 14 32 16 |
| MONT | iP | 14 24 21 |
| NEL | iP | 14 32 30.7 |
| | e | 32 46 |
| SLC | iP | 14 32 34 |
| Sept. 9 | | |
| BC | eP | 15 12 27 |
| BUT | eP | 15 12 21 |
| COL | iP | 15 10 24 |
| HH | iP | 15 12 13 |
| NEL | iP | 15 12 28.1 |
| Sept. 9 | | |
| BC | iP | 18 06 29.4 |
| BOZ | eP | 18 06 32 |
| BUT | e(P) | 18 06 41 |
| COL | iP | 18 09 07 |
| HH | eP | 18 06 53 |
| | iPcP | 07 48 |
| NEL | iP | 18 06 29.2 |
| SLC | eP | 18 06 33 |
| Sept. 9 | | |
| BC | eP | 18 26 01 |
| NEL | eP | 18 25 58 |
| | i | 26 03.3 |
| Sept. 9 | | |
| HH | eP | 18 31 01 |
| NEL | eP | 18 31 53 |
| Sept. 9 | | |
| BC | eP | 18 38 07 |
| BUT | e(P) | 18 36 51 |
| COL | iP | 18 35 06 |
| HH | eP | 18 36 36 |
| NEL | eP | 18 38 05 |
| | i | 38 09.3 |
| | e | 38 29 |
| SLC | eP | 18 37 32 |
| Sept. 9 | | |
| COL | iP | 19 06 07 |
| HH | e(P) | 19 11 19 |
| Sept. 9 | | |
| NEL | iP | 20 03 59.2 |
| Sept. 9 | | |
| HH | e(P) | 20 16 46 |
| NEL | eP | 20 17 05 |
| Sept. 9 | | |
| HH | e(P) | 20 30 04 |
| Sept. 9 | | |
| HH | eP | 20 49 53 |
| Sept. 9 | | |
| BOZ | eP | 22 33 44 |
| BUT | e(P) | 22 33 13 |
| | e | 33 56 |
| HH | eP | 22 33 56 |
| | eL | 36 28 |
| NEL | eP | 22 32 49 |
| Sept. 10 | | |
| NEL | eP | 01 06 57 |
| SLC | eP | 01 08 21 |
| | e | 10 29 |
| Sept. 10 | | |
| COL | iP | 03 10 04 |
| Sept. 10 | | |
| HH | e(P) | 04 57 34 |
| Sept. 10 | | |
| BC | iP | 05 56 53.5 |
| | i | 57 15.3 |
| | i | 57 24.5 |
| | ePP | 06 00 14 |
| BOZ | iP | 05 56 07 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| BUT | | iP | 05 56 11 |
| | | i | 56 22 |
| | | ePP | 59 03 |
| | | eS | 06 05 54 |
| | | i | 06 10 |
| | | i(ScS) | 06 30 |
| | | eSS | 11 23 |
| | | eL | 16 08 |
| COL | | iP | 05 55 55 |
| | | i | 56 07 |
| | | i | 56 19 |
| HH | | iP | 05 56 05 |
| | | ePP | 58 59 |
| MONT | | eP | 05 57 03 |
| NEL | | iP | 05 56 54.3 |
| | | i | 57 09.4 |
| | | iPP | 06 00 15.4 |
| PHIL | | e(P) | 05 54 10 |
| | | eS | 06 02 10 |
| | | eScS | 04 04 |
| | | eL | 12 12 |
| SLC | | iP | 05 56 26 |
| | | i | 57 25 |
| | | eS | 06 06 40 |
| | | eL | 20 08 |
| SJ | | iP | 05 54 26 |
| TUC | | iP | 05 56 52 |
| | | ePP | 06 00 13 |
| | | ePS | 08 24 |
| | | eL | 26 10 |
| WASH | | iP | 05 54 16 |
| | | e | 54 29 |
| Sept. 10 | | | |
| BUT | | eP | 06 28 20 |
| HH | | iP | 06 28 14 |
| Sept. 10 | | | |
| COL | | iP | 14 59 24 |
| | | i | 59 43 |
| HH | | e(P) | 15 00 33 |
| SJ | | iP | 15 06 31 |
| Sept. 10 | | | |
| COL | | iP | 19 21 48 |
| HH | | iP | 19 20 59 |
| | | e | 24 08 |
| Sept. 10 | | | |
| BC | | eP | 19 52 11 |
| BUT | | iP | 19 50 22 |
| | | iS | 50 44 |
| | | iL | 50 52 |
| BOZ | | iP | 19 50 07 |
| | | i(S) | 50 14 |
| | | iL | 50 23 |
| COL | | eP | 19 55 51 |
| HH | | iP | 19 50 56 |
| | | i | 51 07 |
| | | i | 51 49 |
| | | iL | 52 01 |
| NEL | | iP | 19 52 15.2 |
| | | eL | 55 02 |
| SLC | | e(P) | 19 50 55 |
| | | e | 51 02 |
| | | i | 51 08 |
| Sept. 10 | | | |
| COL | | iP | 20 20 09 |
| Sept. 10 | | | |
| NEL | | iP | 21 54 41.1 |
| Sept. 10 | | | |
| HH | | e(P) | 22 32 53 |
| Sept. 10 | | | |
| BC | | iP | 23 53 01.0 |
| COL | | eP | 23 49 10 |
| HH | | eP | 23 52 05 |
| | | i | 54 34 |
| NEL | | iP | 23 53 02.1 |
| | | i(pP) | 53 13.3 |
| | | e | 53 38 |
| SJ | | eP | 23 57 39 |
| Sept. 11 | | | |
| HH | | e(P) | 00 20 21 |
| Sept. 11 | | | |
| BC | | eP | 01 42 19 |
| HH | | eP | 01 42 09 |
| NEL | | iP | 01 42 19.6 |
| | | e | 43 03 |
| SJ | | e(P) | 01 44 14 |
| Sept. 11 | | | |
| COL | | iP | 04 48 41 |
| | | i | 49 01 |
| Sept. 11 | | | |
| BUT | | eP | 06 38 06 |
| HH | | eP | 06 37 55 |
| Sept. 11 | | | |
| BUT | | e(P) | 07 09 16 |
| | | e | 11 06 |
| HH | | e(P) | 07 09 30 |
| | | eL | 11 47 |
| SLC | | e(P) | 07 08 19 |
| | | e | 09 20 |
| | | i | 09 36 |
| Sept. 11 | | | |
| COL | | iP | 07 32 06 |
| | | e | 32 22 |
| HH | | e(P) | 07 38 13 |
| Sept. 11 | | | |
| MONT | | iP | 14 59 01 |
| Sept. 11 | | | |
| COL | | iP | 15 17 50 |
| Sept. 11 | | | |
| HH | | e(P) | 17 14 04 |
| | | eL | 14 47 |
| Sept. 11 | | | |
| HH | | e(P) | 19 06 26 |
| Sept. 11 | | | |
| HH | | e(P) | 20 15 16 |
| Sept. 11 | | | |
| COL | | iP | 20 25 21 |
| Sept. 11 | | | |
| HH | | iP | 20 57 55 |
| MONT | | iP | 20 47 28 |
| | | iS | 48 10 |
| | | iL | 48 19 |
| NEL | | iP | 20 57 09.4 |
| | | i | 21 00 24.0 |
| Sept. 12 | | | |
| BC | | iP | 00 10 29.2 |
| BOZ | | eP | 00 10 14 |
| BUT | | iP | 00 10 08 |
| COL | | iP | 00 07 39 |
| | | ipP | 07 56 |
| | | isP | 08 06 |
| HH | | iP | 00 09 58 |
| NEL | | iP | 00 10 29.2 |
| | | e | 12 09 |
| Sept. 12 | | | |
| NEL | | i(P) | 00 49 44.8 |
| Sept. 12 | | | |
| HH | | e(P) | 04 45 26 |
| Sept. 12 | | | |
| BC | | eP | 05 14 29 |
| BUT | | e(P) | 05 14 19 |
| HH | | eP | 05 14 12 |
| MONT | | e(P') | 05 21 15 |
| NEL | | iP | 05 14 28.0 |
| | | i | 14 36.0 |
| Sept. 12 | | | |
| COL | | iP | 06 19 50 |
| Sept. 12 | | | |
| COL | | eP | 06 52 10 |
| | | i | 52 20 |
| Sept. 12 | | | |
| SLC | | eP | 07 04 28 |
| | | eS | 04 48 |
| | | eL | 04 56 |
| Sept. 12 | | | |
| HH | | e(P) | 07 22 49 |
| Sept. 12 | | | |
| NEL | | eP | 07 46 59 |
| Sept. 12 | | | |
| BC | | iP | 07 55 35.6 |
| | | iPcP | 55 48.1 |
| | | i | 56 43.6 |
| | | eS | 08 05 15.5 |
| BOZ | | eP | 07 55 11 |
| | | i | 55 23 |
| | | i | 55 45 |
| | | eS | 08 04 28 |
| | | eSS | 09 16 |
| | | eL | 13 12 |
| BUT | | iP | 07 55 04 |
| | | i | 55 15 |
| | | i | 55 35 |
| | | e | 57 03 |
| | | iS | 08 04 17 |
| | | i | 04 32 |
| | | i | 05 02 |
| | | e | 07 30 |
| | | eSS | 09 23 |
| | | eL | 13 17 |
| COL | | iP | 07 52 07C |
| | | iPP | 53 56 |
| | | iS | 58 45 |
| | | iScS | 08 02 02 |
| | | eL | 03 24 |
| HH | | iP | 07 54 21 |
| | | ePcP | 55 24 |
| | | e(PP) | 57 19 |
| | | e | 08 03 51 |
| | | eScS | 04 06 |
| | | e | 04 39 |
| | | e | 05 07 |
| | | eP'P' | 23 05 |
| NEL | | iP | 07 55 36.0 |
| | | iPcP | 55 47.8 |
| | | i | 55 55.8 |
| | | i | 56 22.2 |
| | | i | 56 47.0 |
| PHIL | | eS | 08 07 59 |
| | | eSSS | 26 45 |
| | | eL | 29 57 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| SLC | iP | 07 55 27 |
| | iPcP | 55 39 |
| | i | 56 02 |
| | eS | 08 05 01 |
| | e(PS) | 05 35 |
| | eL | 13 18 |
| SIT | eP | 07 53 05 |
| | e(PcP) | 54 37 |
| | ePPP | 55 47 |
| | iS | 08 00 27 |
| | e | 01 15 |
| | i | 01 16 |
| | eSS | 02 27 |
| | e | 03 09 |
| | eL | 05 46 |
| TUC | iP | 07 56 02 |
| | iPcP | 56 14 |
| | e | 56 46 |
| | e(S) | 08 06 35 |
| | eL | 21 12 |
| Sept. 12 | | |
| COL | iP | 15 33 02 |
| Sept. 12 | | |
| COL | iP | 16 31 55 |
| Sept. 12 | | |
| COL | iP | 17 25 36 |
| | e | 26 45 |
| HH | iP | 17 26 50 |
| NEL | e(P) | 17 26 49 |
| SJ | iP | 17 32 40 |
| Sept. 12 | | |
| BUT | e(P) | 18 08 45 |
| MONT | eP | 18 03 36 |
| SLC | e(P) | 18 09 08 |
| Sept. 12 | | |
| WASH | e(P) | 20 01 20 |
| | e | 01 26 |
| Sept. 12 | | |
| COL | iP | 21 16 34 |
| | iS | 16 50 |
| | i | 16 57 |
| Sept. 13 | | |
| HH | e(P) | 00 33 20 |
| Sept. 13 | | |
| BUT | eP | 00 59 15 |
| Sept. 13 | | |
| BC | iP | 02 12 44.9 |
| | ipP | 13 22.2 |
| BUT | eP | 02 13 19 |
| COL | iP | 02 13 18 |
| | ipP | 13 56 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| HH | eP | 02 13 20 |
| NEL | iP | 02 12 43.6 |
| | ipP | 13 17 |
| TUC | iP | 02 12 48 |
| | ipP | 13 26 |
| Sept. 13 | | |
| BC | iP | 02 22 00.1D |
| | ipP | 22 42.7 |
| | i | 23 33.1 |
| | iS | 31 57.6 |
| | ePKKP | 40 41 |
| | iP'P' | 48 51.3 |
| | e | 49 35 |
| | eSKPP' | 52 01 |
| BOZ | eP | 02 22 38C |
| | iP | 22 41 |
| | epP | 23 21 |
| | iPP | 26 10 |
| | epPP | 26 40 |
| | eSKS | 32 46 |
| | iS | 33 10 |
| | esS | 33 52 |
| | eSSS | 43 26 |
| BUT | eP | 02 22 33 |
| | iP | 22 35 |
| | ipP | 23 23 |
| | iPP | 26 03 |
| | eS | 32 43 |
| | iS | 32 47 |
| | i | 33 04 |
| | i | 33 17 |
| | isS | 34 23 |
| | e | 36 25 |
| | iSS | 38 49 |
| | isSS | 39 56 |
| | e | 41 35 |
| | eL | 44 56 |
| CHI | epP | 02 24 24 |
| | epPP | 28 31 |
| | eSKS | 34 00 |
| | eS | 35 09 |
| | esS | 36 38 |
| | e | 39 34 |
| | eSS | 42 14 |
| | eL | 55 04 |
| COL | eP | 02 22 33C |
| | iP | 22 33.5D |
| | ipP | 23 12 |
| | isP | 23 19 |
| | eSKS | 32 42 |
| | i | 32 46 |
| | iS | 33 00 |
| | i | 33 22 |
| | eSSS | 43 53 |
| | eL | 46 53 |
| | eP'P' | 48 20 |
| HONO | iP | 02 18 05C |
| | ipP | 18 48 |
| | ePP | 19 54 |
| | ipPP | 20 19 |
| | e | 21 37 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| HONO | iS | 02 24 34 |
| | isS | 25 40 |
| | iSS | 27 56 |
| | eL | 28 28 |
| $T_L$ = 12 sec. $A_{max.}$ = 12mm | | |
| HH | eP | 02 22 36D |
| | ipP | 23 21 |
| | ePP | 26 04 |
| | epPP | 26 47 |
| | eSKS | 32 49 |
| | iS | 33 08 |
| | esS | 34 10 |
| | e | 36 17 |
| | eSS | 38 55 |
| | ePKKP | 40 20 |
| | eP'P' | 48 26 |
| | eSKPP' | 51 50 |
| | eP'P'P' | 03 09 05 |
| MONT | iP | 02 23 23C |
| | ipP | 24 06 |
| NEL | iP | 02 21 58.8D |
| | ipP | 22 44 |
| | i | 23 26.8 |
| | iPP | 25 04.3 |
| | iS | 31 57.3 |
| | iPKKP | 40 41.3 |
| | eP'P' | 48 33 |
| | i | 48 47.3 |
| | i | 49 36.3 |
| | iSKPP' | 52 02.3 |
| PHIL | eP' | 02 28 09 |
| | epP | 28 51 |
| | epPP | 29 34 |
| | e | 32 54 |
| | iSKS | 34 43 |
| | e | 35 42 |
| | iS | 36 26 |
| | esS | 37 47 |
| | ePS | 38 13 |
| | eSS | 48 12 |
| | eL | 54 24 |
| RC | eP | 02 23 01 |
| | epP | 23 45 |
| | ePP | 26 56 |
| | epPP | 27 23 |
| | e | 27 52 |
| | eSKS | 33 14 |
| | iS | 33 55 |
| | esS | 34 33 |
| | eSP | 35 06 |
| | e(PPS) | 36 01 |
| | eL | 49 09 |
| SLC | eP | 02 22 22 |
| | iP | 22 23 |
| | epP | 23 04 |
| | iPP | 25 43 |
| | epPP | 26 28 |
| | eS | 32 36 |
| | esS | 33 58 |
| | e(PPS) | 34 56 |
| | e | 38 18 |

| Date and Station | | Phase (GCT) h m s |
|---|---|---|
| SJ | eP' | 02 28 25 |
| | ePP | 29 11 |
| | eSKS | 34 56 |
| | eSKKS | 35 50 |
| | e | 36 04 |
| | e(S) | 37 01 |
| | ePS | 38 49 |
| | i | 39 06 |
| | ePPS | 39 56 |
| | eSS | 44 49 |
| | eL | 58 22 |
| SIT | eP | 02 22 15 |
| | epP | 22 58 |
| | ipP | 22 59 |
| | isP | 23 35 |
| | i | 24 12 |
| | ePPP | 27 15 |
| | iS | 32 26 |
| | iPS | 33 42 |
| | isS | 34 02 |
| | iSPS | 34 28 |
| | eSS | 38 10 |
| | eL | 44 22 |
| TUC | iP | 02 22 04.5C |
| | i | 22 23 |
| | ipP | 22 45 |
| | isP | 23 08 |
| | iPP | 25 14 |
| | eS | 32 02 |
| | esS | 32 50 |
| | e | 33 35 |
| | eL | 44 26 |
| | eP'P' | 48 40 |
| | eSKPP' | 51 58 |
| WASH | iPP | 02 28 49 |
| | epPP | 29 28 |
| | ePS | 38 18 |
| | ePPS | 39 17 |
| | e | 45 03 |
| | eL | 55 19 |
| Sept. 13 | | |
| NEL | iP | 03 52 18.3 |
| Sept. 13 | | |
| HH | e(P) | 05 49 07 |
| Sept. 13 | | |
| BC | eP | 08 00 53 |
| | e | 01 17 |
| BOZ | eP | 08 02 26 |
| NEL | iP | 08 00 48.7 |
| | i | 00 56.5 |
| | i | 01 09.5 |
| TUC | eP | 07 59 54 |
| | eL | 08 03 40 |
| Sept. 13 | | |
| NEL | eP | 09 13 22 |
| Sept. 13 | | |
| BOZ | eP | 12 11 57 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BUT | e(P) | 12 11 28 |
| HH | eP | 12 11 08 |
| NEL | eP | 12 13 00 |
| | iP | 13 07.8 |
| Sept. 13 | | |
| HH | eP | 13 06 13 |
| Sept. 13 | | |
| BC | iP | 13 45 01.2 |
| NEL | eP | 13 44 22 |
| Sept. 13 | | |
| BH | eP | 13 56 20 |
| | eS | 57 03 |
| BC | e(P) | 14 02 45 |
| HH | eP | 14 03 46 |
| NEL | iP | 14 02 43.6 |
| Sept. 13 | | |
| MONT | iP | 15 02 24 |
| | i | 02 28 |
| | i | 03 05 |
| | i | 03 14 |
| Sept. 13 | | |
| HH | e(P) | 15 40 39 |
| Sept. 13 | | |
| COL | iP | 18 24 01 |
| HH | iP | 18 26 03 |
| MONT | eP' | 18 32 51 |
| | e | 34 08 |
| NEL | eP | 18 26 52 |
| | e | 29 54.7 |
| Sept. 13 | | |
| COL | iP | 18 30 39 |
| HH | eP | 18 32 44 |
| NEL | eP | 18 30 51 |
| | i | 31 21 |
| Sept. 13 | | |
| BC | iP | 18 52 07.8 |
| | i | 52 22.1 |
| HH | e(P) | 18 53 16 |
| NEL | iP | 18 52 04.7 |
| | ipP | 52 20.5 |
| | i | 55 05.7 |
| | i | 59 53.3 |
| Sept. 13 | | |
| COL | iP | 19 34 09 |
| HH | eP | 19 36 12 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 13 | | |
| NEL | eP | 21 00 54 |
| SLC | eP | 20 57 07 |
| Sept. 13 | | |
| BH | eP | 21 26 38 |
| | eS | 27 33 |
| BC | iP | 21 33 23.7 |
| HH | iP | 21 34 25 |
| NEL | iP | 21 33 21.8 |
| SJ | eP | 21 30 07 |
| Sept. 13 | | |
| HH | e(P) | 21 59 38 |
| | e | 22 00 02 |
| Sept. 13 | | |
| BC | eP | 22 22 32 |
| HH | e(P) | 22 23 13 |
| | e | 24 26 |
| NEL | iP | 22 22 31.8 |
| | i | 22 57.8 |
| SJ | iP | 22 16 28 |
| Sept. 14 | | |
| HH | e(P) | 00 10 22 |
| Sept. 14 | | |
| COL | iP | 00 59 41 |
| HH | eP | 01 01 45 |
| | iP | 01 46 |
| | e | 04 56 |
| Sept. 14 | | |
| HH | e(P) | 01 12 46 |
| MONT | iP' | 01 08 31 |
| | i | 09 49 |
| Sept. 14 | | |
| HH | e(P) | 01 18 35 |
| Sept. 14 | | |
| BUT | eP | 04 44 18 |
| HH | eP | 04 45 10 |
| Sept. 14 | | |
| BUT | eP | 07 08 42 |
| | e | 09 48 |
| HH | eP | 07 08 10 |
| NEL | eP | 07 09 13 |
| Sept. 14 | | |
| BC | eP | 07 33 31 |
| BOZ | eP | 07 33 11 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BUT | eP | 07 33 06 |
| COL | iP | 07 30 41 |
| HH | iP | 07 32 55 |
| | e | 59 23 |
| NEL | eP | 07 33 30 |
| | i | 33 47.1 |
| | i | 33 52.1 |
| | e | 34 13 |
| SLC | eP | 07 33 24 |
| Sept. 14 | | |
| NEL | eP | 08 00 11.2 |
| Sept. 14 | | |
| COL | iP | 08 06 37 |
| | i | 06 47 |
| | ipP | 06 55 |
| Sept. 14 | | |
| COL | iP | 14 22 00 |
| | ipP | 22 34 |
| HH | eP | 14 22 42 |
| | epP | 24 19 |
| Sept. 14 | | |
| NEL | eP | 15 37 20 |
| Sept. 14 | | |
| MONT | iP | 16 03 50 |
| | i | 03 56 |
| Sept. 14 | | |
| BOZ | eP | 16 21 25 |
| | e | 23 27 |
| BUT | e(P) | 16 21 27 |
| | e | 23 12 |
| HH | eP | 16 21 23 |
| | eL | 24 04 |
| SLC | eP | 16 20 35 |
| | iS | 20 41 |
| | iL | 20 48 |
| Sept. 14 | | |
| BC | eP | 16 27 16 |
| | i | 27 28.9 |
| | eL | 34 37 |
| BOZ | eP | 16 28 17 |
| BUT | eP | 16 28 22 |
| HH | iP | 16 28 44 |
| | ipP | 28 57 |
| MONT | eP | 16 30 48 |
| NEL | iP | 16 27 23.1 |
| | i | 27 16.5 |
| | ipP | 27 26.4 |
| | eS | 34 33 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SLC | eP | 16 27 41 |
| | epP | 27 53 |
| | eL | 37 52 |
| TUC | eP | 16 26 23 |
| Sept. 14 | | |
| BH | eP | 16 39 26 |
| | eS | 40 09 |
| Sept. 14 | | |
| COL | iP | 22 08 10 |
| Sept. 15 | | |
| HH | e(P) | 01 21 15 |
| Sept. 15 | | |
| HH | e(P) | 03 38 41 |
| | eL | 39 44 |
| Sept. 15 | | |
| BOZ | eP | 05 04 32 |
| Sept. 15 | | |
| BH | eP | 06 41 14 |
| BC | eP | 06 47 04 |
| | i | 47 15.2 |
| | e(pP) | 47 32 |
| BUT | eP | 06 47 51 |
| COL | eP | 06 50 35 |
| | epP | 53 55 |
| COLU | eP | 06 45 21 |
| HH | iP | 06 48 08 |
| | i | 48 15 |
| | ipP | 48 19 |
| MONT | iP | 06 42 59 |
| NEL | iP | 06 47 02.9 |
| | i | 47 12.9 |
| | ipP | 47 23.9 |
| SJ | iP | 06 43 50 |
| | ipP | 44 05 |
| TUC | eP | 06 46 25 |
| | i | 46 36 |
| Sept. 15 | | |
| HH | e(P) | 08 25 08 |
| Sept. 15 | | |
| COL | iP | 12 51 49 |
| Sept. 15 | | |
| BC | eP | 13 22 58 |
| | eL | 26 03 |
| BUT | eP | 13 24 56 |
| | eS | 28 53 |
| | eL | 29 12 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| COL | eP | 13 28 43 |
| COLU | e(P) | 13 26 13 |
| HH | iP | 13 25 21 |
| | eL | 34 21 |
| NEL | iP | 13 22 55.2 |
| | i | 23 06.2 |
| | i | 23 35.2 |
| | iL | 26 10.5 |
| SJ | eP | 13 28 03 |
| | i | 28 10 |
| TUC | iP | 13 21 53 |
| | i | 22 20 |
| | iS | 23 21 |
| | iL | 23 57 |
| Sept. 15 | | |
| BC | eP | 14 37 30 |
| BUT | eP | 14 38 06 |
| COL | iP | 14 38 08 |
| HH | eP | 14 38 07 |
| NEL | iP | 14 37 29.2 |
| Sept. 15 | | |
| BOZ | eP | 15 44 09 |
| Sept. 15 | | |
| BC | iP | 18 07 27.0C |
| | i | 07 36.0 |
| | i | 07 47.0 |
| | ipP | 09 30.7 |
| | isP | 10 41.0 |
| | eS | 16 50 |
| | iS | 16 51.5 |
| | iSKS | 16 56.0 |
| | i(P'P') | 34 12.5 |
| | eSKPP' | 36 21 |
| | i | 36 38.5 |
| BOZ | iP | 18 08 02D |
| | ipP | 10 07 |
| BUT | iP | 18 07 58D |
| | i | 08 14 |
| | i | 08 48 |
| | ipP | 10 04 |
| | i | 10 43 |
| | iPP | 11 32 |
| | esP | 11 10 |
| | e | 14 17 |
| | iSKS | 17 34 |
| | iS | 17 52 |
| | iSP | 18 56 |
| | i | 19 30 |
| | isS | 21 34 |
| | eSS | 23 50 |
| | eL | 30 27 |
| CHI | e(pPP) | 18 15 11 |
| | eSKS | 18 50 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| CHI | eSKKS | 18 19 33 |
| | eS | 20 05 |
| | eSP | 21 48 |
| | epS | 22 40 |
| | esS | 24 12 |
| | eSS | 27 28 |
| | eL | 51 36 |
| COL | iP | 18 07 51C |
| | i | 08 44 |
| | i | 09 20 |
| | ipP | 09 56 |
| | isP | 10 41 |
| | eSKS | 17 20 |
| | iSKS | 17 21 |
| | iS | 17 32 |
| | isS | 21 19 |
| | iPKKP | 25 43 |
| | eL | 29 31 |
| | iSKPP' | 36 20 |
| HONO | iP | 18 03 28D |
| | ePcP | 05 03 |
| | epP | 05 36 |
| | eScP | 07 20 |
| | ePPP | 08 17 |
| | iS | 09 17 |
| | e | 10 15 |
| | e | 11 19 |
| | eL | 14 12 |
| $T_S$ = 8 sec. $A_S$ = 4.5mm | | |
| $T_L$ = 14 sec. $A_{max.}$ = 1.5mm | | |
| HH | iP | 18 07 58C |
| | epP | 10 04 |
| | isP | 11 32 |
| | iPKKP | 25 45 |
| | e | 28 01 |
| | eP'P' | 33 49 |
| | eSKPP' | 36 08 |
| MONT | epP | 18 11 07 |
| | i(PKKP) | 25 13 |
| NEL | iP | 18 07 26.3C |
| | i | 07 46.8 |
| | i | 08 01.5 |
| | ipP | 09 29 |
| | iPP | 10 39.3 |
| | iS | 16 47.3 |
| | i | 32 39.8 |
| | iP'P' | 34 12.3 |
| | e(SKPP') | 36 25 |
| | i | 36 37.3 |
| RC | eP | 18 08 23 |
| | e | 10 55 |
| | ePP | 12 13 |
| | eSKS | 18 02 |
| | eSKKS | 18 25 |
| | eS | 18 52 |
| | e | 19 34 |
| | e(SP) | 19 48 |
| | esS | 22 01 |
| | esPS | 23 22 |
| | eSS | 24 59 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SJ | iP' | 18 13 51D |
| | ePP | 15 06 |
| | i | 16 35 |
| | ePKKP | 24 24 |
| SIT | iP | 18 07 37N,E |
| | e | 08 20 |
| | ipP | 09 41 |
| | e | 09 56 |
| | iS | 17 06 |
| | e | 17 53 |
| | eSP | 18 01 |
| | e | 19 53 |
| | esS | 20 41 |
| | eSS | 22 52 |
| | esSS | 25 58 |
| TUC | iP | 18 07 33C |
| | ipP | 09 37 |
| | isP | 10 32 |
| | epPP | 12 33 |
| | iS | 17 03 |
| | isP | 17 51 |
| | e | 19 15 |
| | esS | 20 35 |
| | e | 21 16 |
| | e | 22 23 |
| | e | 25 19 |
| | esSS | 26 09 |
| | i | 36 41 |
| UK | eP | 18 07 06 |
| | epP | 09 08 |
| | eS | 16 10 |
| | eScS | 16 27 |
| | e | 20 05 |
| | eSS | 21 20 |
| Sept. 15 | | |
| MONT | iP | 18 32 17 |
| | i | 32 34 |
| Sept. 15 | | |
| COL | iP | 19 32 23 |
| | i(S) | 32 28 |
| HH | iP | 19 36 56 |
| | i | 37 02 |
| Sept. 15 | | |
| HH | e(P) | 22 34 12 |
| MONT | iP | 22 23 35 |
| | i | 23 45 |
| Sept. 16 | | |
| MONT | iP | 02 25 28 |
| | i | 25 56 |
| Sept. 16 | | |
| BC | eP | 04 47 19 |
| | e | 51 24 |
| BUT | e(P) | 04 49 08 |
| | eS | 53 22 |
| | eL | 55 10 |
| CHI | eL | 04 56 30 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| HH | eP | 04 49 15 |
| NEL | eP | 04 47 18 |
| | i | 47 26.9 |
| | i | 47 33.7 |
| Sept. 16 | | |
| NEL | e(P) | 05 16 27 |
| Sept. 16 | | |
| BH | eP | 05 56 56 |
| | iS | 58 05 |
| NEL | eP | 06 03 38 |
| SJ | e(P) | 05 58 07 |
| | e | 06 00 09 |
| Sept. 16 | | |
| COL | eP | 07 59 33 |
| Sept. 16 | | |
| BC | eP | 09 32 31 |
| COL | iP | 09 31 35 |
| NEL | iP | 09 32 30.6 |
| Sept. 16 | | |
| BC | eP | 10 32 26 |
| BOZ | eP | 10 32 26 |
| HH | eP | 10 32 18 |
| NEL | iP | 10 32 27.1 |
| | e | 33 29 |
| Sept. 16 | | |
| HH | e(P) | 14 55 52 |
| Sept. 16 | | |
| MONT | iP | 16 01 20 |
| | iS | 01 43 |
| | iL | 01 51 |
| Sept. 16 | | |
| MONT | iP | 16 46 20 |
| | iS | 46 36 |
| Sept. 16 | | |
| BC | i(P) | 17 08 36.2 |
| NEL | iP | 17 08 35.1 |
| Sept. 16 | | |
| MONT | iP | 18 02 16 |
| Sept. 16 | | |
| MONT | iP | 18 16 33 |
| | iS | 16 50 |
| | iL | 16 56 |
| Sept. 16 | | |
| BOZ | eP | 22 30 21 |
| COL | iP | 22 30 10 |

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| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| HH | eP | 22 30 17 |
| Sept. 17 | | |
| BC | eP | 01 26 30.1 |
| | ipP | 26 53.1 |
| | iPP | 30 19.1 |
| | ipPP | 30 42.1 |
| BOZ | eP | 01 27 14 |
| | ePP | 30 35 |
| BUT | ePP | 01 30 30 |
| | eSKS | 37 10 |
| CHI | ePP | 01 42 30 |
| | eSKS | 48 38 |
| | eSS | 02 02 38 |
| | eL | 06 20 |
| COL | iP | 01 25 27D |
| | ipP | 25 52 |
| | eS | 35 26 |
| | eSS | 40 34 |
| | eSSS | 44 40 |
| | eL | 51 34 |
| HONO | epP | 01 23 02 |
| | eS | 30 08 |
| | eL | 39 05 |
| HH | eP | 01 26 33 |
| | ePP | 30 22 |
| | epPP | 30 47 |
| | e | 43 29 |
| | eS | 51 40 |
| MONT | eP' | 01 32 24 |
| | ePP | 35 41 |
| NEL | iP | 01 26 29.5 |
| | i | 26 40.5 |
| | ipP | 26 51.5 |
| | i | 26 57.5 |
| | i | 28 10.5 |
| | iPP | 30 17.3 |
| | i | 30 26.5 |
| | ipPP | 30 41.5 |
| PHIL | ePP | 01 34 07 |
| | eSKS | 39 05 |
| | e | 45 55 |
| | eL | 02 12 07 |
| SJ | eP' | 01 32 25 |
| | ipP' | 32 40 |
| | ePP | 35 45 |
| | ePKS | 36 07 |
| | epPS | 46 09 |
| | e | 51 07 |
| | eL | 02 19 46 |
| SIT | e(P) | 01 25 37 |
| | e(S) | 35 04 |
| | esS | 36 12 |
| | eSS | 41 32 |
| | esSS | 41 57 |
| | eL | 48 23 |

| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| TUC | eP | 01 27 06 |
| | ePP | 31 46 |
| | eS | 39 24 |
| | eL | 51 46 |
| Sept. 17 | | |
| NEL | e(P) | 02 04 31.6 |
| | i | 04 59.6 |
| Sept. 17 | | |
| BH | iP | 03 40 28 |
| | iS | 41 03 |
| Sept. 17 | | |
| HH | e(P) | 04 39 06 |
| MONT | iP | 04 29 21 |
| | iPP | 29 31 |
| | iS | 30 40 |
| | iL | 31 03 |
| NEL | iP | 04 38 11.8 |
| Sept. 17 | | |
| BC | iP | 07 47 11.1 |
| | iP' | 51 11.4 |
| BUT | iP | 07 46 44 |
| | e | 47 33 |
| | iSKS | 57 12 |
| | iS | 57 52 |
| | iPS | 58 22 |
| | e | 08 01 04 |
| | e | 05 24 |
| | eL | 22 24 |
| COL | iP | 07 44 26D |
| | iS | 53 24 |
| | eScS | 53 56 |
| | eL | 08 04 16 |
| HH | iP | 07 46 35 |
| | iSKS | 57 01 |
| | eS | 57 31 |
| | ePS | 57 58 |
| | ePKKP | 08 03 48 |
| MONT | iP' | 07 53 34D |
| | i | 53 56 |
| | i | 54 50 |
| | ePP | 58 38 |
| NEL | iP | 07 47 09.6 |
| | i | 47 11.6 |
| | e | 50 04 |
| | i | 50 18.5 |
| | iPP | 51 11.8 |
| | i | 51 18.5 |
| SLC | eP | 07 57 36 |
| SIT | eP | 07 45 15 |
| | eS | 54 55 |
| | iS | 54 59 |
| | iScS | 55 25 |
| | ePPS | 56 11 |

| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| TUC | eP' | 07 47 36 |
| | ePP | 51 47 |
| | ePS | 08 00 50 |
| | eL | 22 17 |
| Sept. 17 | | |
| NEL | eP | 08 03 52.3 |
| Sept. 17 | | |
| COL | eP | 08 12 39 |
| Sept. 17 | | |
| BH | ePP | 11 26 50 |
| BC | iP | 11 15 14.3D |
| | i | 15 40.8 |
| | i | 16 07.8 |
| | ipP | 16 15.3 |
| | i | 16 45.3 |
| | iS | 25 12.3 |
| | iP'P' | 41 51.8 |
| | e | 42 51.3 |
| | iSKPP' | 44 56.5 |
| BOZ | iP | 11 15 52C |
| | i(pP) | 16 57 |
| | iPP | 19 36 |
| | iS | 26 25 |
| | iPS | 27 10 |
| | esS | 27 34 |
| | esPS | 29 00 |
| | eSS | 32 20 |
| | e(SSS) | 35 18 |
| | eL | 37 37 |
| BUT | iP | 11 15 45C |
| | ipP | 16 45 |
| | i | 17 42 |
| | ipPP | 19 54 |
| | ePPP | 21 12 |
| | eS | 26 15 |
| | iS | 26 20 |
| | iPS | 27 13 |
| | i | 28 05 |
| | i | 30 25 |
| | iSS | 32 12 |
| | iSS | 33 33 |
| | iSSS | 36 02 |
| | iL | 38 57 |
| | eP'P' | 41 37 |
| CHI | eP | 11 17 01 |
| | ePP | 21 14 |
| | e | 21 23 |
| | epPP | 22 28 |
| | eSKS | 27 10 |
| | iSKS | 27 14 |
| | eSKKS | 27 59 |
| | iS | 28 28 |
| | i | 29 02 |
| | eSP | 30 02 |
| | ePPS | 31 26 |
| | e | 32 58 |
| | eSS | 35 37 |
| | eSSS | 39 58 |
| | eL | 48 03 |

| Date and Station | Phase | (GCT) h m s |
|---|---|---|
| COL | iP | 11 15 46D |
| | ipP | 16 53 |
| | esP | 17 11 |
| | iPP | 19 19 |
| | isPP | 20 32 |
| | e | 22 35 |
| | e | 23 56 |
| | iSKS | 25 48 |
| | iS | 26 11 |
| | i | 26 52 |
| | iSP | 27 07 |
| | iPS | 27 19 |
| | isS | 27 32 |
| | isSP | 28 50 |
| | iSS | 31 40 |
| | e(PKKP) | 32 07 |
| | eSSS | 37 09 |
| | eL | 39 03 |
| | eP'P' | 41 25 |
| COLU | ePP | 11 21 32 |
| | iSKS | 27 23 |
| | i | 28 11 |
| | iS | 28 46 |
| | i | 28 57 |
| | esS | 30 32 |
| | isPS | 32 04 |
| | iSS | 36 20 |
| | eSSS | 40 43 |
| | eL | 41 17 |
| HONO | iP | 11 11 22C |
| | epP | 12 19 |
| | esP | 12 39 |
| | e(PP) | 13 21 |
| | iPPP | 14 03 |
| | esPP | 14 37 |
| | iS | 17 32 |
| | esS | 18 54 |
| | eSS | 21 03 |
| | eL | 21 36 |

$T_P$ = 1 sec. $A_P$ = 2.5mm
$T_S$ = 8 sec. $A_S$ = 7mm
$T_L$ = 18 sec. $A_{max.}$ = 5mm

| | | |
|---|---|---|
| HH | iP | 11 15 49D |
| | ipP | 16 52 |
| | ePP | 19 32 |
| | eSKS | 25 57 |
| | eS | 26 19 |
| | esP | 27 26 |
| | esSP | 29 08 |
| | e | 32 16 |
| | iPKKP | 33 18 |
| | i | 34 34 |
| | eP'P' | 41 28 |
| | eP'P'P' | 12 01 27 |
| MONT | iP | 11 16 30C |
| | i | 16 33D |
| | ipP | 17 31 |
| | iPP | 20 24 |
| | eSKS | 26 28 |
| | iPKKP | 33 05 |
| | eP'P' | 41 18 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| NEL | iP | 11 15 13.0D |
| | i | 15 26.0 |
| | ipP | 16 15.0 |
| | i | 17 50.0 |
| | iPP | 18 37 |
| | iS | 25 10.0 |
| | iSKS | 25 24.0 |
| | isS | 26 51 |
| | iPKKP | 33 44.0 |
| | eP'P' | 41 34.0 |
| | iP'P' | 41 51.0 |
| | iSKPP' | 44 56.2 |
| PHIL | epP | 11 18 32 |
| | ePP | 22 16 |
| | epPP | 23 06 |
| | eSKS | 27 50 |
| | e(SKKS) | 28 58 |
| | iS | 29 38 |
| | eSP | 31 26 |
| | ePPS | 32 56 |
| | eSS | 37 35 |
| | esSS | 39 27 |
| | eSSS | 42 14 |
| | e | 43 14 |
| | eL | 51 05 |
| RC | iP | 11 16 10 |
| | ipP | 17 13 |
| | ePP | 19 46 |
| | iSKS | 26 22 |
| | eS | 27 03 |
| | iS | 27 14 |
| | iSP | 28 16 |
| | esS | 28 44 |
| | esPS | 29 45 |
| | eSS | 33 22 |
| | esSS | 35 12 |
| | eL | 43 49 |
| SLC | iP | 11 15 33C |
| | ipP | 16 24 |
| | epPP | 19 42 |
| | ePPP | 20 20 |
| | eS | 25 41 |
| | i | 25 52 |
| | i(SP) | 26 58 |
| | isS | 27 29 |
| | i | 27 54 |
| | iSS | 31 39 |
| | eSSS | 35 32 |
| | eL | 39 57 |
| SJ | epP | 11 18 50 |
| | iP' | 21 33C |
| | ePP | 22 34 |
| | epPP | 23 35 |
| | iSKS | 28 02 |
| | iSKKS | 29 14 |
| | eS | 30 09 |
| | esS | 31 57 |
| | ePPS | 33 28 |
| | e | 34 38 |
| | eSS | 38 22 |
| | eSSS | 43 27 |
| | eL | 52 24 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| SIT | iP | 11 15 30S,W |
| | epP | 16 21 |
| | i | 16 38 |
| | isP | 16 57 |
| | iPP | 18 55 |
| | epPP | 19 53 |
| | iPPP | 20 28 |
| | i(pPPP) | 22 00 |
| | eSKS | 25 31 |
| | eS | 25 37 |
| | iS | 25 47 |
| | esP | 26 45 |
| | isS | 27 15 |
| | isPS | 31 22 |
| | eSS | 31 12 |
| | iSS | 31 22 |
| | iL | 37 52 |
| TUC | iP | 11 15 18D |
| | ipP | 16 16 |
| | isP | 16 38 |
| | epPP | 19 42 |
| | eS | 25 18 |
| | i | 25 27 |
| | i | 25 47 |
| | iSP | 26 09 |
| | isS | 27 05 |
| | eSS | 30 32 |
| | iPKKP | 33 42 |
| | eSSS | 33 50 |
| | eL | 37 07 |
| | iP'P' | 41 50 |
| | e(SKPP') | 44 54 |
| UK | e(P) | 11 14 50 |
| | eS | 24 24 |
| | ePS | 25 05 |
| | esPS | 26 52 |
| | eSS | 29 42 |
| | eL | 12 05 43 |
| WASH | iPP | 11 22 07 |
| | epPP | 23 25 |
| | eSKKS | 28 24 |
| | eL | 31 08 |
| Sept. 17 | | |
| BC | iP | 12 03 32.1 |
| | i | 03 46.1 |
| COL | iP | 11 59 58 |
| | i | 12 00 10 |
| | e | 02 07 |
| | i | 02 18 |
| HH | iP | 12 02 45 |
| | i | 02 59 |
| MONT | eP | 12 11 39 |
| | epP | 11 54 |
| NEL | iP | 12 03 31.8 |
| TUC | eP | 12 03 59 |
| Sept. 17 | | |
| BC | eP | 12 15 25 |
| BUT | iP | 12 14 40 |
| COL | iP | 12 14 28 |
| HH | iP | 12 14 36 |
| NEL | iP | 12 15 25.8 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 17 | | |
| COL | iP | 13 47 03 |
| Sept. 17 | | |
| BC | iP | 14 57 39.9 |
| | i | 57 46.6 |
| BUT | iP | 14 57 18 |
| COL | iP | 14 54 54 |
| HH | iP | 14 57 09 |
| MONT | eP' | 15 05 02 |
| NEL | iP | 14 57 39.2 |
| | i | 57 46.2 |
| | iPP | 15 01 03.2 |
| Sept. 17 | | |
| COL | eP | 16 12 21 |
| Sept. 17 | | |
| BC | iP | 19 10 41.4 |
| COL | eP | 19 13 54 |
| HH | e(P) | 19 11 23 |
| NEL | iP | 19 10 39.1 |
| | i | 10 42.5 |
| TUC | iP | 19 10 04 |
| Sept. 17 | | |
| COL | iP | 20 57 14 |
| Sept. 18 | | |
| HH | e(P) | 00 57 32 |
| Sept. 18 | | |
| BC | eP | 05 04 35 |
| COLU | eP | 05 00 56 |
| HH | eP | 05 04 50 |
| NEL | iP | 05 04 35.4 |
| | i | 04 39.7 |
| | iPcP | 05 11.6 |
| SLC | eP | 05 04 25 |
| | e | 04 43 |
| SJ | iP | 04 56 55 |
| | eS | 58 04 |
| | iS | 58 06 |
| | eL | 58 22 |
| TUC | eP | 05 04 06 |
| Sept. 18 | | |
| SJ | e(P) | 06 31 49 |
| | e | 32 11 |
| Sept. 18 | | |
| BC | iP | 07 03 39.5 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| NEL | iP | 07 03 35.7 |
| | i | 03 44.7 |
| Sept. 18 | | |
| COL | iP | 10 44 27 |
| | iS | 44 39 |
| | iL | 44 42 |
| Sept. 18 | | |
| SJ | iP | 12 25 59 |
| Sept. 18 | | |
| BC | eP | 13 19 28 |
| NEL | eP | 13 19 31 |
| Sept. 18 | | |
| NEL | eP | 15 23 38 |
| Sept. 18 | | |
| BC | eP | 15 44 09 |
| | i | 44 12.8 |
| | i | 44 31.0 |
| BUT | eP | 15 44 01 |
| | i | 44 05 |
| | e | 47 47 |
| | eS | 54 28 |
| | i | 54 46 |
| | i | 54 54 |
| | i | 55 15 |
| | e | 59 04 |
| | eL | 16 09 12 |
| COL | eP | 15 42 08 |
| | i | 42 19 |
| | i | 42 48 |
| HH | iP | 15 43 54 |
| | eSKS | 54 30 |
| Nel | iP | 15 44 09.0 |
| | i | 44 11.2 |
| | iPP | 48 29.5 |
| MONT | eP' | 15 50 50 |
| SLC | eP | 15 44 14 |
| | i | 44 17 |
| | i | 44 33 |
| SJ | eP' | 15 50 32 |
| | ePP | 53 09 |
| TUC | eP | 15 59 31 |
| | eL | 16 14 24 |
| Sept. 18 | | |
| BC | iP | 16 21 22.2 |
| BUT | e(P) | 16 21 31 |
| BOZ | eP | 16 21 26 |
| HH | eP | 16 21 42 |
| NEL | eP | 16 21 20 |
| | iP | 21 22.9 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| SLC | e | 16 | 21 15 |
| SJ | eP | 16 | 14 06 |
| Sept. 18 | | | |
| HH | e(P) | 16 | 42 43 |
| Sept. 18 | | | |
| BC | iP | 18 | 35 28.5 |
| | i | | 35 32.2 |
| | i | | 35 41.2 |
| BOZ | eP | 18 | 35 01 |
| COL | iP | 18 | 31 33 |
| HH | iP | 18 | 34 34 |
| NEL | iP | 18 | 35 29.2 |
| | i | | 35 57.2 |
| | i | | 36 17.2 |
| SLC | eP | 18 | 35 18 |
| Sept. 18 | | | |
| HH | eP | 20 | 45 19 |
| NEL | eP | 20 | 45 26 |
| Sept. 18 | | | |
| SLC | e(P) | 22 | 49 03 |
| | eS | | 49 31 |
| | eL | | 49 38 |
| Sept. 18 | | | |
| SLC | eP | 22 | 59 08 |
| | iS | | 59 42 |
| | iL | | 59 48 |
| Sept. 18 | | | |
| SLC | eP | 23 | 04 38 |
| | iS | | 05 09 |
| | iL | | 05 15 |
| Sept. 19 | | | |
| COL | iP | 04 | 32 33 |
| Sept. 19 | | | |
| COL | iP | 09 | 16 28 |
| Sept. 19 | | | |
| COL | iP | 10 | 54 42 |
| Sept. 19 | | | |
| HH | eP | 13 | 28 35 |
| NEL | e(P) | 13 | 28 50 |
| Sept. 19 | | | |
| NEL | i(P) | 15 | 09 34.9 |
| Sept. 19 | | | |
| COL | iP | 16 | 07 07 |
| HH | eP | 16 | 08 23 |
| | e | | 10 04 |
| SJ | iP | 16 | 14 10 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| Sept. 19 | | | |
| NEL | eP | 17 | 00 22 |
| Sept. 19 | | | |
| HH | e(P) | 18 | 00 59 |
| Sept. 19 | | | |
| BC | eP | 20 | 26 35 |
| COL | iP | 20 | 23 21 |
| NEL | iP | 20 | 26 41.0 |
| Sept. 19 | | | |
| BC | iP | 21 | 31 01.8 |
| COLU | eP | 21 | 29 21 |
| HH | eP | 21 | 32 10 |
| | e | | 32 25 |
| | e | | 34 04 |
| NEL | iP | 21 | 30 59.8 |
| | e | | 31 15 |
| | i | | 33 40.9 |
| | i | | 33 58.1 |
| Sept. 19 | | | |
| BUT | eP | 22 | 02 50 |
| | eS | | 02 09 |
| | eL | | 02 13 |
| HH | e(P) | 22 | 03 27 |
| | e(S) | | 03 59 |
| | iL | | 04 05 |
| Sept. 19 | | | |
| BUT | e(P) | 23 | 35 53 |
| HH | e(P) | 23 | 36 45 |
| SLC | e(P) | 23 | 34 14 |
| | eL | | 38 26 |
| Sept. 20 | | | |
| BC | eP | 00 | 19 57 |
| BUT | e(S) | 00 | 25 14 |
| | eL | | 31 08 |
| COL | iP | 00 | 19 14 |
| HH | eP | 00 | 18 17 |
| NEL | eP | 00 | 19 51 |
| | i | | 19 54.2 |
| TUC | eP | 00 | 19 53 |
| | eL | | 37 34 |
| Sept. 20 | | | |
| BC | eP' | 00 | 58 22 |
| | iP' | | 58 24.8 |
| | ePP | | 59 38 |
| BOZ | eP' | 00 | 58 18 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| BUT | eP' | 00 | 58 16 |
| | eSKS | 01 | 05 07 |
| | e | | 06 19 |
| | e | | 08 45 |
| COL | eP | 00 | 52 40 |
| COLU | eP' | 00 | 59 09 |
| HH | eP' | 00 | 58 07 |
| | iPP | | 59 08 |
| | e | | 59 47 |
| NEL | eP' | 00 | 58 20 |
| | iP' | | 58 22.2 |
| | e | 01 | 08 36 |
| SLC | eP' | 00 | 58 21 |
| SJ | eP' | 00 | 59 35 |
| | ePP | 01 | 04 11 |
| TUC | eP' | 00 | 58 33 |
| | ePPP | 01 | 02 28 |
| | ePS | | 09 46 |
| | eL | | 35 36 |
| WASH | eP' | 00 | 58 59 |
| Sept. 20 | | | |
| BOZ | eP | 01 | 08 46 |
| BUT | eP | 01 | 08 50 |
| SLC | eP | 01 | 08 36 |
| | e | | 12 23 |
| Sept. 20 | | | |
| BC | e(P) | 03 | 05 34 |
| | e | | 05 45 |
| HH | e(P) | 03 | 04 27 |
| | e | | 07 01 |
| NEL | e(P) | 03 | 05 31 |
| | iP | | 05 43.3 |
| Sept. 20 | | | |
| BH | iP | 05 | 35 50 |
| | iS | | 35 52 |
| Sept. 20 | | | |
| BC | iP | 08 | 17 27.9 |
| COL | iP | 08 | 17 54 |
| HH | iP | 08 | 18 00 |
| | ePP | | 21 44 |
| NEL | iP | 08 | 17 27.0 |
| | i | | 17 43.5 |
| | e | | 19 40 |
| | ePP | | 20 47 |
| SLC | iP | 08 | 17 49 |
| TUC | iP | 08 | 17 33 |

| Date and Station | | Phase | (GCT) |
|---|---|---|---|
| | | | h m s |
| Sept. 20 | | | |
| COL | iP | 09 | 00 43 |
| Sept. 20 | | | |
| NEL | eP | 12 | 11 57 |
| | e | | 12 00 |
| Sept. 20 | | | |
| BC | eP | 14 | 25 22 |
| COL | iP | 14 | 21 12 |
| | i | | 21 25 |
| HH | eP | 14 | 24 14 |
| NEL | eP | 14 | 25 10 |
| | i | | 25 24.7 |
| Sept. 20 | | | |
| HH | eP | 14 | 44 05 |
| NEL | iP | 14 | 43 07 |
| Sept. 20 | | | |
| BUT | eP | 17 | 17 43 |
| COL | iP | 17 | 17 39 |
| | i | | 17 55 |
| HH | e(P) | 17 | 17 44 |
| NEL | iP | 17 | 17 10.1 |
| | e | | 18 07 |
| | ipP | | 19 13.9 |
| TUC | eP | 17 | 17 16 |
| Sept. 20 | | | |
| HH | e(P) | 19 | 29 31 |
| Sept. 20 | | | |
| NEL | eP | 21 | 46 27 |
| Sept. 20 | | | |
| NEL | iP | 23 | 37 11.7 |
| | i | | 37 19.7 |
| TUC | eP | 23 | 36 59 |
| Sept. 20 | | | |
| HH | e(P) | 23 | 45 17 |
| MONT | iP | 23 | 33 44 |
| Sept. 21 | | | |
| BUT | eP | 01 | 17 03 |
| | eS | | 18 09 |
| | eL | | 18 20 |
| HH | e(P) | 01 | 17 20 |
| | i | | 18 09 |
| | iL | | 18 48 |
| Sept. 21 | | | |
| COL | eP | 02 | 48 42 |
| | i | | 48 55 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 21 | | |
| HH | eP | 03 38 54 |
| NEL | e(P) | 03 38 47 |
| | iP | 38 53.3 |
| SJ | iP | 03 32 55 |
| Sept. 21 | | |
| BOZ | eP' | 03 59 03 |
| BUT | iP' | 03 59 03 |
| COL | eP | 03 53 47 |
| COLU | eP' | 03 59 51 |
| | iP | 59 54 |
| HH | iP' | 03 58 58 |
| | ePP | 04 01 08 |
| MONT | eP' | 03 59 55 |
| | iP | 59 58 |
| NEL | iP' | 03 59 06.3 |
| SLC | iP' | 03 59 07 |
| SJ | i(P') | 04 01 25 |
| TUC | eP' | 03 59 14 |
| WASH | iP' | 03 59 47 |
| Sept. 21 | | |
| COL | eP | 05 08 32 |
| Sept. 21 | | |
| SJ | eP | 06 11 00 |
| Sept. 21 | | |
| HH | e(P) | 06 22 56 |
| | e | 23 19 |
| Sept. 21 | | |
| BUT | eP | 07 54 43 |
| | e | 55 41 |
| Sept. 21 | | |
| HH | eP | 09 26 35 |
| NEL | eP | 09 26 50 |
| Sept. 21 | | |
| BOZ | eP | 09 54 48 |
| COL | eP | 09 52 47 |
| HH | iP | 09 54 35 |
| | e | 57 52 |
| MONT | eP' | 10 01 30 |
| NEL | iP | 09 54 38 |
| SLC | iP | 09 54 54 |
| | i | 55 14 |
| TUC | e(P) | 09 55 10 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 21 | | |
| HH | e(P) | 10 02 13 |
| NEL | iP | 10 02 24.4 |
| Sept. 21 | | |
| HH | eP | 10 54 01 |
| NEL | eP | 10 54 18 |
| | i | 54 30.7 |
| Sept. 21 | | |
| HH | e(P) | 11 32 44 |
| MONT | iP | 11 21 21 |
| | iS | 21 45 |
| | iL | 21 55 |
| NEL | i(P) | 11 31 54.7 |
| Sept. 21 | | |
| BUT | eP | 12 18 41 |
| HH | eP | 12 18 27 |
| NEL | eP | 12 18 44 |
| | iP | 18 48.1 |
| | i | 18 51.7 |
| Sept. 21 | | |
| COL | iP | 14 43 53 |
| HH | e(P) | 14 44 29 |
| NEL | iP | 14 44 07.8 |
| | i | 44 13.8 |
| Sept. 21 | | |
| COL | iP | 15 00 02 |
| | i | 00 07 |
| | ipP | 00 15 |
| HH | eP | 15 00 33 |
| NEL | iP | 15 00 12.9 |
| | e | 06 57 |
| SLC | eP | 15 00 30 |
| Sept. 21 | | |
| COL | eP | 15 03 22 |
| Sept. 21 | | |
| HH | eP | 17 28 38 |
| Sept. 21 | | |
| HH | i(P) | 18 56 31 |
| Sept. 21 | | |
| BOZ | eP | 20 03 08 |
| | e | 03 41 |
| Sept. 21 | | |
| HH | e(P) | 20 36 37 |
| NEL | e(P) | 20 36 51 |
| | i | 37 01.1 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 21 | | |
| NEL | eP | 21 54 33 |
| Sept. 21 | | |
| SLC | eP | 23 04 52 |
| | e | 05 07 |
| | iS | 05 20 |
| | eL | 05 27 |
| Sept. 22 | | |
| HH | eP | 05 29 55 |
| Sept. 22 | | |
| BC | e(P) | 07 01 21 |
| NEL | e(P) | 07 01 18 |
| Sept. 22 | | |
| HH | eP | 07 46 39 |
| Sept. 22 | | |
| COL | iP | 09 33 43 |
| Sept. 22 | | |
| BC | eP | 13 40 00 |
| HH | eP | 13 40 57 |
| | e | 42 50 |
| NEL | iP | 13 39 52.3 |
| | i | 40 03.3 |
| Sept. 22 | | |
| HH | e(P) | 14 12 55 |
| Sept. 22 | | |
| HH | iP | 18 33 04 |
| Sept. 22 | | |
| MONT | eP | 19 09 34 |
| HH | iP | 19 20 21 |
| Sept. 22 | | |
| HH | e(P) | 20 25 25 |
| Sept. 22 | | |
| HH | e(P) | 20 54 47 |
| Sept. 22 | | |
| HH | e(P) | 23 06 44 |
| Sept. 22 | | |
| HH | e(P) | 23 40 16 |
| Sept. 23 | | |
| COL | iP | 02 32 16 |
| | i | 32 51 |
| NEL | iP | 02 33 14.3 |
| Sept. 23 | | |
| HH | e(P) | 04 45 07 |
| Sept. 23 | | |
| HH | e(P) | 05 08 33 |
| TUC | eP | 05 06 39 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 23 | | |
| BC | iP | 06 55 39.6 |
| | e | 55 47 |
| HH | iP | 06 55 18 |
| | i | 55 26 |
| NEL | iP | 06 55 39.7 |
| | i | 55 47.5 |
| SLC | e(P) | 06 55 40 |
| | e | 55 48 |
| Sept. 23 | | |
| HH | e(P) | 08 16 53 |
| SLC | eP | 08 14 45 |
| Sept. 23 | | |
| HH | e(P) | 13 03 29 |
| Sept. 23 | | |
| SLC | iP | 14 06 59 |
| | i | 07 29 |
| | i | 07 34 |
| Sept. 23 | | |
| NEL | eP | 14 22 34 |
| Sept. 23 | | |
| NEL | iP | 17 47 36.9 |
| SJ | e(P) | 17 44 16 |
| Sept. 23 | | |
| BH | iP | 18 44 29 |
| | iS | 44 48 |
| Sept. 23 | | |
| HH | e(P) | 18 48 25 |
| Sept. 23 | | |
| HH | e(P) | 19 47 57 |
| Sept. 23 | | |
| BH | eP | 21 34 37 |
| Sept. 23 | | |
| BC | iP | 21 54 07.2 |
| | i | 54 26.0 |
| BOZ | eP | 21 53 40 |
| | e | 53 51 |
| | eS | 22 01 46 |
| | e | 05 16 |
| | eL | 09 24 |
| | eP'P' | 23 20 |
| CHI | eP | 21 55 11 |
| | e(PP) | 58 23 |
| | eS | 22 04 34 |
| | eSoS | 06 15 |
| | eSS | 09 13 |
| | eL | 13 16 |
| COL | iP | 21 50 13 |
| | ipP | 50 27 |
| | ePP | 51 24 |

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| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| COL | | ePcP | 21 52 13 |
| | | iS | 55 27 |
| | | i | 55 54 |
| | | eL | 57 03 |
| COLU | | eP | 21 56 04 |
| | | eS | 22 06 19 |
| | | e | 08 11 |
| | | e | 11 17 |
| | | eL | 17 27 |
| HONO | | e(P) | 21 52 16 |
| | | e | 54 24 |
| | | eS | 58 33 |
| | | eScS | 22 02 06 |
| | | eL | 03 02 |
| HH | | eP | 21 53 15 |
| | | e(PP) | 55 09 |
| | | eS | 22 01 01 |
| | | e | 01 58 |
| | | eP'P' | 23 27 |
| NEL | | iP | 21 54 08.1 |
| | | i | 54 15.1 |
| | | iPcP | 54 25.6 |
| | | i | 55 09.1 |
| PHIL | | eP | 21 55 47 |
| | | eS | 22 05 54 |
| | | eSS | 11 06 |
| | | eSSS | 15 20 |
| | | eL | 17 33 |
| RC | | eP | 21 54 08 |
| | | iS | 22 02 52 |
| | | eL | 10 08 |
| SLC | | iP | 21 53 59 |
| | | i | 54 10 |
| | | e | 55 00 |
| | | e | 57 41 |
| | | eS | 22 02 25 |
| | | eScS | 03 59 |
| | | eL | 06 29 |
| TUC | | eP | 21 54 46 |
| | | e | 59 24 |
| | | eS | 22 03 35 |
| | | eScS | 05 05 |
| | | eL | 14 10 |
| UK | | eS | 22 01 07 |
| | | eL | 07 16 |
| WASH | | e(P) | 21 55 19 |
| | | eL | 22 26 52 |
| Sept. 23 | | | |
| BC | | e(P) | 22 17 41 |
| NEL | | eP | 22 17 40 |
| | | e | 17 46 |
| Sept. 23 | | | |
| SLC | | eP | 22 45 07 |
| | | e | 45 35 |
| Sept. 23 | | | |
| SLC | | eP | 22 46 58 |
| | | eS | 47 22 |
| | | eL | 47 27 |
| Sept. 23 | | | |
| COL | | iP | 23 18 56 |
| | | i | 19 00 |
| HH | | iP | 23 21 18 |
| Sept. 24 | | | |
| HH | | eP | 01 13 45 |
| Sept. 24 | | | |
| COL | | iP | 02 56 33 |
| Sept. 24 | | | |
| BC | | eP | 09 23 13 |
| COL | | iP | 09 26 07 |
| HH | | eP | 09 24 04 |
| NEL | | iP | 09 23 11.3 |
| SJ | | e(P) | 09 19 14 |
| Sept. 24 | | | |
| HH | | iP | 14 04 58.5 |
| Sept. 24 | | | |
| COL | | eP | 14 30 26 |
| Sept. 24 | | | |
| COL | | eP | 14 34 22 |
| Sept. 24 | | | |
| HH | | e(P) | 15 57 56 |
| | | e | 58 06 |
| Sept. 24 | | | |
| HH | | e(P) | 17 25 53 |
| Sept. 24 | | | |
| HH | | e(P) | 20 53 31 |
| Sept. 24 | | | |
| HH | | e(P) | 22 14 52 |
| Sept. 24 | | | |
| SLC | | eP | 22 52 09 |
| | | e | 52 30 |
| Sept. 25 | | | |
| HH | | e(P) | 00 33 07 |
| Sept. 25 | | | |
| HH | | eP | 01 19 33 |
| | | iP | 19 35 |
| | | i(S) | 19 53 |
| | | iL | 19 55 |
| Sept. 25 | | | |
| NEL | | e(P) | 01 36 31 |
| Sept. 25 | | | |
| BUT | | eP | 03 26 36 |
| COL | | eP | 03 24 09 |
| HH | | eP | 03 26 17 |
| | | e | 26 26 |
| Sept. 25 | | | |
| HH | | e(P) | 06 39 27 |
| | | e | 39 33 |
| MONT | | iP | 06 30 14 |
| Sept. 25 | | | |
| BC | | iP | 07 10 56.8 |
| | | i | 11 28.5 |
| BUT | | iP | 07 12 07 |
| | | e | 12 25 |
| | | eL | 23 11 |
| COL | | iP | 07 15 40 |
| HH | | iP | 07 12 28.5 |
| | | e | 12 47 |
| | | ePcP | 15 19 |
| MONT | | eP | 07 14 42 |
| NEL | | iP | 07 10 54.3 |
| | | i | 11 06.0 |
| | | i | 11 38.0 |
| | | eL | 17 39 |
| SLC | | eP | 07 11 24 |
| TUC | | eP | 07 10 02 |
| Sept. 25 | | | |
| BC | | eP | 07 55 49 |
| | | i | 55 58.3 |
| HH | | eP | 07 57 22 |
| NEL | | iP | 07 55 47.3 |
| | | i | 55 54.5 |
| HH | | e(P) | 08 00 15 |
| Sept. 25 | | | |
| BC | | eP' | 11 33 04 |
| BUT | | e(P') | 11 33 20 |
| COL | | eP' | 11 33 08 |
| HH | | e(P') | 11 32 57 |
| | | e | 33 16 |
| | | ePP | 36 36 |
| MONT | | e(P') | 11 31 14 |
| NEL | | e(P') | 11 33 04 |
| | | i | 33 14.5 |
| SLC | | e(P') | 11 33 13 |
| | | e | 36 41 |
| Sept. 25 | | | |
| NEL | | eP' | 15 14 13 |
| Sept. 25 | | | |
| NEL | | eP | 17 48 24 |
| Sept. 25 | | | |
| BC | | eP | 19 09 42 |
| HH | | iP | 19 09 25 |
| NEL | | iP | 19 09 46.8 |
| Sept. 25 | | | |
| BC | | iP | 19 30 17.7 |
| BUT | | eP | 19 30 27 |
| HH | | iP | 19 30 40 |
| MONT | | eP | 19 30 09 |
| NEL | | iP | 19 30 17.2 |
| SLC | | iP | 19 30 09 |
| SJ | | iP | 19 23 19 |
| | | i(S) | 23 55 |
| | | iL | 24 04 |
| TUC | | eP | 19 29 45 |
| Sept. 25 | | | |
| HH | | iP | 20 22 10 |
| Sept. 25 | | | |
| HH | | eP | 21 06 49 |
| Sept. 25 | | | |
| SLC | | eP | 22 51 21 |
| | | e | 51 38 |
| | | i | 51 48 |
| Sept. 26 | | | |
| COL | | iP | 03 07 05 |
| Sept. 26 | | | |
| COL | | iP | 07 54 47 |
| HH | | eP | 07 57 34 |
| Sept. 26 | | | |
| SJ | | iP | 09 12 39 |
| Sept. 26 | | | |
| COL | | eP | 13 11 19 |
| Sept. 26 | | | |
| TUC | | eP | 23 02 10 |
| Sept. 26 | | | |
| HH | | e(P) | 23 46 05 |
| Sept. 27 | | | |
| BC | | iP | 04 20 11.3 |
| HH | | eP | 04 20 43 |
| NEL | | iP | 04 20 10.7 |
| SLC | | eP | 04 20 33 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| TUC | iP | 04 20 16 |
| Sept. 27 | | |
| SJ | iP | 04 38 56 |
| Sept. 27 | | |
| BC | eP | 09 57 40 |
| | i | 57 52.5 |
| COL | eP | 09 53 32 |
| HH | e(P) | 09 56 35 |
| NEL | i(P) | 09 57 41.5 |
| | i | 57 53.5 |
| Sept. 27 | | |
| BC | i(P) | 14 37 49.1 |
| COL | iP | 14 33 41 |
| NEL | iP | 14 37 49.8 |
| Sept. 27 | | |
| SLC | e(P) | 15 49 49 |
| Sept. 27 | | |
| BOZ | eP | 16 49 32 |
| BUT | iP | 16 49 26 |
| | epP | 49 37 |
| | e | 50 04 |
| COL | iP | 16 46 24 |
| | iPcP | 47 32 |
| HH | iP | 16 49 12 |
| | iPKKP | 17 17 35 |
| | i | 17 56 |
| MONT | iP' | 16 58 02 |
| NEL | iP | 16 49 59.3 |
| | i(pP) | 50 24.3 |
| | e | 50 48 |
| TUC | eP | 16 50 26 |
| | epP | 50 51 |
| Sept. 27 | | |
| COL | iP | 17 26 26 |
| HH | eP | 17 29 14 |
| | e | 29 37 |
| MONT | eP' | 17 38 03 |
| NEL | eP | 17 30 05 |
| Sept. 27 | | |
| NEL | iP | 20 07 08.1 |
| | e | 09 50 |
| Sept. 27 | | |
| NEL | e(P) | 20 58 32 |
| Sept. 27 | | |
| SLC | eP | 21 26 58 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 27 | | |
| NEL | i(P) | 22 47 53.5 |
| | e | 48 28 |
| Sept. 28 | | |
| HH | iP | 00 22 05 |
| Sept. 28 | | |
| BC | eP | 00 35 09 |
| | i | 35 16.5 |
| BOZ | eP | 00 34 43 |
| BUT | eP | 00 34 16 |
| | e(PcP) | 35 40 |
| COL | eP | 00 31 02 |
| | ePcP | 33 22 |
| | eS | 35 51 |
| | eL | 36 44 |
| HH | eP | 00 34 11 |
| | e | 34 19 |
| NEL | iP | 00 35 09.7 |
| | i | 35 17.2 |
| PHIL | eS | 00 46 26 |
| | eL | 01 02 49 |
| SLC | eP | 00 34 57 |
| | i | 35 05 |
| TUC | e(P) | 00 35 49 |
| Sept. 28 | | |
| COL | iP | 00 44 17 |
| | ipP | 44 34 |
| SJ | iP | 00 51 33 |
| | i | 51 40 |
| Sept. 28 | | |
| COL | eP | 03 46 15 |
| HH | eP | 03 44 21 |
| NEL | eP | 03 45 02 |
| Sept. 28 | | |
| BC | e(P) | 07 45 21 |
| NEL | eP | 07 45 19 |
| Sept. 28 | | |
| BC | iP | 11 10 24.5 |
| HH | iP | 11 09 58 |
| NEL | iP | 11 10 24.7 |
| Sept. 28 | | |
| COL | iP | 11 22 48 |
| | i | 23 03 |
| Sept. 28 | | |
| BC | iP | 13 04 51.3 |
| | i | 05 18.2 |
| | e | 05 34 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| BOZ | eP | 13 05 33 |
| BUT | eP | 13 05 28 |
| | i | 05 37 |
| | i | 06 20 |
| | e(PP) | 09 05 |
| | iS | 15 43 |
| | eScS | 16 24 |
| | eSS | 21 47 |
| | e(SSS) | 25 39 |
| | eL | 27 51 |
| CHI | eSKS | 13 17 14 |
| | eL | 37 22 |
| COL | iP | 13 05 31 |
| | eS | 15 49 |
| | ePPS | 16 54 |
| | eSS | 21 32 |
| | eL | 28 30 |
| HONO | e(P) | 13 00 39 |
| | eS | 06 42 |
| | eL | 09 46 |
| HH | eP | 13 05 29 |
| | i | 06 06 |
| NEL | iP | 13 04 49.8 |
| | i | 05 07.0 |
| | i | 05 29.0 |
| PHIL | eSKS | 13 18 03 |
| | eS | 19 15 |
| | ePS | 20 56 |
| | eSSS | 30 47 |
| | eL | 40 48 |
| SLC | eP | 13 05 17 |
| | i | 05 20 |
| | i | 05 26 |
| | i | 05 42 |
| | eS | 15 21 |
| | eL | 26 54 |
| TUC | eP | 13 04 56 |
| | e(PP) | 08 22 |
| | e(S) | 15 14 |
| | eL | 26 32 |
| Sept. 28 | | |
| COL | eP | 13 27 32 |
| Sept. 28 | | |
| NEL | eP | 16 22 37 |
| | e | 23 40 |
| Sept. 28 | | |
| COL | eP | 17 15 25 |
| Sept. 28 | | |
| HH | eP | 17 24 34 |
| Sept. 28 | | |
| COL | iP | 18 13 26 |
| HH | e(P) | 18 19 30 |

| Date and Station | | Phase (GCT) |
|---|---|---|
| | | h m s |
| Sept. 28 | | |
| COL | iP | 19 09 48 |
| Sept. 28 | | |
| COL | eP | 19 14 05 |
| Sept. 28 | | |
| NEL | i(P) | 20 47 04.8 |
| Sept. 28 | | |
| HH | iP | 21 46 43 |
| Sept. 28 | | |
| BC | eP | 21 48 48 |
| | eL | 56 32 |
| COL | eP | 21 53 25 |
| | e | 54 20 |
| HH | e(P) | 21 50 12 |
| NEL | iP | 21 48 46.8 |
| | e | 49 51 |
| | eL | 56 19 |
| TUC | eP | 21 47 57 |
| Sept. 28 | | |
| HH | e(P) | 22 36 18 |
| Sept. 28 | | |
| BC | eP | 23 36 23 |
| BOZ | eP | 23 37 15 |
| BUT | eP | 23 37 17 |
| COLU | eP | 23 36 56 |
| HH | eP | 23 37 28 |
| | e | 37 58 |
| MONT | iP | 23 31 25 |
| NEL | iP | 23 36 19.7 |
| | e | 36 37 |
| | e | 39 31 |
| SLC | e(P) | 23 36 44 |
| TUC | eP | 23 35 56 |
| Sept. 29 | | |
| HH | e(P) | 00 33 59 |
| Sept. 29 | | |
| HH | e(P) | 01 21 37 |
| Sept. 29 | | |
| HH | e(P) | 01 28 46 |
| | e | 29 24 |
| Sept. 29 | | |
| HH | e(P) | 02 27 46 |
| NEL | eP | 02 27 10 |

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| Sept. 29 | | | |
| BC | | iP | 02 43 34.4 |
| NEL | | iP | 02 43 32.8 |
| TUC | | eP | 02 43 38 |
| Sept. 29 | | | |
| BUT | | eP | 03 50 08 |
| | | eL | 52 35 |
| HH | | e(P) | 03 50 32 |
| | | eL | 53 41 |
| NEL | | iP | 03 48 31.6 |
| | | i | 48 35.1 |
| SLC | | eP | 03 49 10 |
| | | i | 49 19 |
| | | iS | 50 08 |
| | | iL | 50 25 |
| Sept. 29 | | | |
| NEL | | eP | 05 49 32 |
| Sept. 29 | | | |
| COL | | eP | 07 03 26 |
| NEL | | e(P) | 07 04 07 |
| Sept. 29 | | | |
| COL | | iP | 08 10 32 |
| HH | | eP | 08 13 06 |
| Sept. 29 | | | |
| BC | | iP | 08 36 10.2 |
| BOZ | | eP | 08 36 49 |
| BUT | | eP | 08 36 45 |
| COL | | iP | 08 36 48 |
| HH | | iP | 08 36 47 |
| NEL | | iP | 08 36 09.0 |
| TUC | | eP | 08 36 14 |
| Sept. 29 | | | |
| COL | | iP | 11 08 54 |
| | | i | 09 00 |
| | | iS | 09 32 |
| | | iL | 09 49 |
| Sept. 29 | | | |
| COL | | iP | 12 29 32 |
| Sept. 29 | | | |
| BC | | iP | 14 45 02.6 |
| BUT | | eP | 14 44 25 |
| COL | | iP | 14 41 04 |
| HH | | iP | 14 44 09 |
| NEL | | iP | 14 45 03.2 |
| NEL | | i(pP) | 14 45 25.1 |
| Sept. 29 | | | |
| COL | | iP | 15 18 34 |
| Sept. 29 | | | |
| HH | | eP | 19 55 02 |
| Sept. 29 | | | |
| BC | | iP | 21 52 57.9 |
| BUT | | iP | 21 53 07 |
| COL | | iP | 21 55 50 |
| HH | | iP | 21 53 20 |
| MONT | | eP | 21 52 23 |
| NEL | | iP | 21 52 56.9 |
| | | i | 53 00.9 |
| | | i(pP) | 53 21.0 |
| SJ | | iP | 21 45 29 |
| Sept. 30 | | | |
| HH | | e(P) | 01 28 33 |
| Sept. 30 | | | |
| HH | | i(P) | 01 30 38 |
| Sept. 30 | | | |
| NEL | | iP | 05 02 23 |
| Sept. 30 | | | |
| NEL | | e(P) | 10 03 59 |
| Sept. 30 | | | |
| COL | | iP | 16 51 46 |
| NEL | | iP | 16 54 50.7 |
| | | e | 54 56 |
| Sept. 30 | | | |
| NEL | | eP | 17 00 50 |
| Sept. 30 | | | |
| COL | | iP | 17 15 27 |
| NEL | | e(PP) | 17 20 58 |
| | | e | 21 16 |
| Sept. 30 | | | |
| COL | | iP | 19 54 39 |
| | | i | 55 29 |
| Sept. 30 | | | |
| COL | | iP | 20 09 08 |
| HH | | e(P) | 20 10 22 |
| SJ | | e(P) | 20 16 12 |
| Sept. 30 | | | |
| COL | | iP | 23 50 42 |

| Local and Minor Earthquakes | |
|---|---|
| day | hour |
| BOZ | |
| Sept. | |
| 1 | 01.5 |
| | 03.4 |
| | 10.5 |
| | 12.8 |
| BUT | |
| Sept. | |
| 1 | 03.5 |
| | 08.5 |
| | 20.7 |
| | 22.8 |
| 4 | 04.5 |
| | 04.7 |
| 13 | 03.5 |
| 15 | 11.0 |
| 19 | 03.8 |
| 20 | 08.5 |
| 21 | 15.7 |
| 25 | 18.2 |
| 28 | 00.4 |
| COL | |
| Sept. | |
| 5 | 02.6 |
| | 16.4 |
| 7 | 08.0 |
| 8 | 19.0 |
| | 19.8 |
| 9 | 15.8 |
| 12 | 04.4 |
| | 07.6 |
| | 15.0 |
| 14 | 06.6 |
| | 13.8 |
| 16 | 05.6 |
| | 15.2 |
| 18 | 11.5 |
| 21 | 23.7 |
| 22 | 10.9 |
| 24 | 10.2 |
| 25 | 08.8 |
| 26 | 16.5 |
| 29 | 19.0 |
| | 20.5 |
| 30 | 01.8 |
| | 07.8 |
| MONT | |
| Sept. | |
| 4 | 10.4 |
| | 21.0 |
| 6 | 17.5 |
| 7 | 14.2 |
| | 21.1 |
| 8 | 17.5 |
| 12 | 01.3 |
| 13 | 08.0 |
| | 08.5 |
| | 23.1 |
| 14 | 07.9 |
| | 12.2 |
| | 15.5 |
| 16 | 17.5 |
| 18 | 15.2 |
| | 16.5 |
| 22 | 14.2 |

| Local and Minor Earthquakes | |
|---|---|
| day | hour |
| MONT | |
| Sept. | |
| 23 | 03.5 |
| 24 | 13.9 |
| | 23.5 |
| 25 | 22.0 |
| 26 | 03.7 |
| | 23.1 |
| 27 | 02.2 |
| | 22.2 |
| 28 | 01.6 |
| | 19.5 |
| 29 | 02.7 |
| | 15.1 |
| | 19.4 |
| 30 | 01.7 |
| | 17.7 |
| SJ | |
| Sept. | |
| 4 | 08.7 |
| 6 | 19.2 |
| 7 | 00.2 |
| 9 | 04.1 |
| 17 | 19.2 |
| 19 | 10.2 |
| TUC | |
| Sept. | |
| 1 | 10.5 |
| | 11.5 |
| | 22.5 |
| 2 | 07.9 |
| | 13.5 |
| | 18.9 |
| 4 | 03.7 |
| | 04.4 |
| | 04.6 |
| | 13.4 |
| | 15.0 |
| 5 | 20.3 |
| 8 | 07.4 |
| 9 | 09.4 |
| 10 | 12.2 |
| 13 | 02.8 |
| | 03.1 |
| 16 | 04.8 |
| | 05.3 |
| | 22.4 |
| 17 | 19.9 |
| 25 | 01.6 |
| | 22.2 |
| 27 | 12.0 |
| 28 | 03.8 |

ADDENDUM

| Date and Station | | Phase | (GCT) h m s |
|---|---|---|---|
| Sept. 26 | | | |
| BH | | eP | 16 59 31 |
| | | eS | 59 37 |