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New Zealand Department of Scientific and Industrial Research
GEOPHYSICS DIVISION

NEW ZEALAND
SEISMOLOGICAL
REPORT
1963

SEISMOLOGICAL OBSERVATORY BULLETIN
E - 144



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SEISMOLOGICAL OBSERVATORY, WELLINGTON,
NEW ZEALAND

ALL measurement and interpretation of records is carried out at the central station in Wellington. Communications should therefore be addressed to:

The Superintendent,
Seismological Observatory,
P.O. Box 8005,
Wellington, New Zealand.

NEW ZEALAND SEISMOLOGICAL REPORT 1963

CONTENTS

| | <u>Page</u> |
|--|-------------|
| Introduction | 1 |
| Scientific Staff | 2 |
| Principal N.Z. Earthquakes in 1963 ... | 3 |
| Stations of the N.Z. Network | 5 |
| Timing Arrangements | 13 |
| Station Readings | 14 |
| N.Z. Stations | 15 |
| Afiamalu | 176 |
| Suva | 262 |
| Raoul Island | 271 |
| Hallett | 282 |
| Scott Base | 292 |
| Instrumentally Determined Epicentres ... | 318 |
| Index of Felt Earthquakes | 325 |
| Unconfirmed Reports | 339 |
| Felt Earthquakes outside New Zealand ... | 339 |
| Publications by Staff Members | 341 |
| List of Maps | 344 |

INTRODUCTION

The main change in the form of the New Zealand Seismological Report for 1963 is the separation of the Suva readings from the New Zealand ones, with which they were previously interleaved. During the year Scott Base and Hallett became stations of the World Wide Standard Network, a new station was established at Gisborne, on the east coast of the North Island, and the station at Monowai was modernised.

Records from Afiamalu are now being read at the Apia Observatory, but the readings will continue to be printed in this Report.

The originals of the records made at Hallett were lost, following a fire that led to the closing of the base. The published data are based on preliminary readings cabled to Wellington.

The Report summarises all standard measurements made at the Seismological Observatory, Wellington, and gives an account of New Zealand seismic

activity during the year in a form that should be of use and interest to people other than professional seismologists. Maps showing the epicentres of deep and shallow shocks, and isoseismal maps of widely-felt earthquakes are included.

New Zealand data for 1964 and 1965 are now available at the Observatory, and standard readings have been forwarded to international data centres. Arrangements are now being made to determine epicentres and prepare other bulletin material by computer. It is hoped that this will improve the accuracy and hasten the appearance of the 1964 Report.

Reprints of research papers by members of the Observatory Staff and material that is not regularly included in this Report are issued as a series of S-Bulletins. The Observatory is always prepared to consider additional agreements to exchange material of this kind with other organisations.

SCIENTIFIC STAFF 1963

WELLINGTON

Superintendent: F.F. Evison, M.A., B.Sc. (N.Z.);
Ph.D. (Lond.); D.I.C.

Seismologists: R.D. Adams, M.A., M.Sc. (N.Z.);
Ph.D. (Cantab.);
G.A. Eiby, M.Sc.; M.G. Muir, M.Sc.;
M.J. Randall, M.Sc.; A.A. Thomson, M.Sc.

Technicians: A.M. Day; C.M. Fisher; M.A. Lowry;
J.A. Macdonald; R.C. Martindale;
R.D. Maunder (from October); R.H. Orr.

APIA

Observer-in-Charge: P.J. Milne, B.Sc.

Observer/Technician: I. Anapu.

RAOUL ISLAND

Observer: I.P. Johnson.

HALLETT

Observer: L.J. Wylde, B.E. (civil).

SCOTT BASE

Observer: I.D. Cave, M.Sc.

PRINCIPAL N.Z. EARTHQUAKES IN 1963

The level of New Zealand earthquake activity in 1963 has been normal, with no outstandingly large events, protracted swarms or aftershock sequences, or shocks at unusually great depths. On the other hand, the occurrence of a damaging earthquake some 70 miles north of Whangarei is of exceptional interest.

The largest New Zealand earthquake during the year (Epicentre 63/111) occurred on April 12, and was centred in the Huiarau Range between Lake Taupo and Waikaremoana. It had a magnitude of 6.0 and was widely felt in the central parts of the North Island (see the isoseismal map in the pocket inside the back cover). There was slight damage at Minginui and at Tarawera. A few aftershocks followed, all of them small.

Of the other shallow shocks of magnitude 5 and above, only that on May 13 (Epicentre 63/162) attracted public attention. It was centred near Porangahau, and felt with intensities of about MM4 throughout southern Hawkes Bay and the northern Wairarapa. Three shocks of similar magnitude in the eastern Bay of Plenty (Epicentres 63/79, 63/146 and 63/201) were not reported, which is rather surprising, as many shocks below magnitude 3 are now reported.

The earthquake at 40.4S 177.1W on April 20 (Epicentre 63/134) has a magnitude of only 4.6, and cannot be satisfactorily located. It certainly lies to the east of the Hikurangi Trench, which normally marks the eastern limit of North Island seismicity, and is apparently too far north to be placed on the flank of the Chatham Rise.

Activity in the south-west of the South Island was more evenly distributed than it has been since the magnitude 7.0 Fiordland shock on 1960 May 24 (Epicentre 60/108). In 1963 no earthquake in this region reached magnitude 5. An interval of a year between large shocks is somewhat unusual in this normally active part of the country.

There were two earthquake swarms, the first near Maketu in the western Bay of Plenty. On February 14-16 about 30 shocks from this district were recorded by the seismograph at Karapiro, including Epicentres 63/53, 63/54, and 63/56 to 63/59. Their magnitudes were all less than 3. The second swarm, in the Coromandel Peninsula, began on April 10, and includes Epicentres 63/100 to 63/104, 63/106 to 63/110, 63/116 to 63/122 and 63/126. The largest shock had a magnitude of 3.1. Most of the others were below magnitude 2½.

At the end of the year, several earthquakes occurred in Northland. The largest event, consisting of two shocks separated by only seven seconds (Epicentre 63/389, 390), damaged chimneys, house foundations, water tanks, and stacked goods in an area more than 10 kilometres in radius. It was felt over almost the entire peninsula north of Kaikohe, and had a magnitude of 5.2. The epicentre was near Peria. An earlier shock, of magnitude 3.2 (Epicentre 63/345), occurred on November 16. Although it was felt over an area some 30 kilometres in radius, the maximum reported intensity was MM5 and there was no damage. Several aftershocks were felt, and these continued in to 1964. The seismological aspects of these shocks have been discussed in a paper by

G.A. Eiby (N.Z. J. Geol. and Geophys. 7: 743-65, 1964 Nov.), and its engineering significance in a second paper by the same author (N.Z. Engineering 12: 125-9, 1964 April). These papers contain isoseismal maps and photographs. Except for two earthquakes in the Bay of Islands in 1919, and possibly a less well documented shock in 1830, these are the only shocks known to have originated in Northland.

No exceptionally deep shocks occurred, though there are several at depths near 350 kilometres (Epicentres 63/39, 63/68, 63/148 and 63/206). The shock on July 14 (Epicentre 63/211) of magnitude 5.9 and at a depth of 135 kilometres was felt in the southern part of the North Island and the northern part of the South Island, from Gisborne to Christchurch (see isoseismal map in back pocket). The origin was beneath southern Taranaki.

Activity extending from New Zealand to the north-east continued as usual to be vigorous. During the last week in March several of the largest shocks, one of which approached magnitude 7, were felt on Raoul Island in the Kermadec Group. A shock of magnitude 6.7 on December 28 (Epicentre 63/394) centred more than 400 miles to the north-east of East Cape was felt at scattered places on the east coast of the North Island to as far south as Wellington.

STATIONS OF THE NEW ZEALAND NETWORK

The expansion and re-equipment of the New Zealand Seismograph Network that began in 1962 continued in 1963. In June, the Jaggard shock-recorder at Monowai was replaced with a short-period vertical - component Willmore. This was the last of a number of Jaggard seismographs installed during the 1930's. Although obsolete for many years, these instruments made a substantial contribution to the study of New Zealand seismicity at a time when money and facilities for operating more elaborate equipment were not available. In conjunction with the similar instrument installed at Roxburgh in 1962, the new seismograph will greatly improve instrumental coverage of the southern region of New Zealand seismicity.

A new station at Gisborne was opened at the end of July. It also has a Willmore short-period vertical-component instrument.

In November, the instrument at Karapiro was moved to a new buried concrete vault, within about 25 metres of the old hut. Space is available for the eventual installation of 6 components.

Both Hallett and Scott Base have now been equipped with World-Wide Standard Seismographs through the generosity of the United States Coast and Geodetic Survey.

The network may be considered to consist of two parts: first, a set of short-period instruments distributed widely over the country and designed to yield records of earthquakes originating within New Zealand; and secondly, teleseismic instruments to provide information about distant earthquakes, and the physical condition of the Earth. These functions interlock, and every seismograph gives some useful information in both fields.

Instrumental constants, standard abbreviations of the station names (used in tabular sections of this report), geographical positions, and similar information are listed below, in order of increasing southern latitude.

APIA (AA)

Latitude: $13^{\circ} 48' .48$
 Longitude: $171^{\circ} 46' .5W$
 Height above mean sea level: 2 metres, 6 ft
 Geocentric direction cosines: a -0.961 484
 b -0.138 980
 c -0.237 132

Lithological foundation: Coral sand on Recent and Pleistocene basalt

| Instrument | Component | Period | Damping | Magnification |
|---------------|-----------|-----------|---------|---------------|
| Wood-Anderson | N | 0.80 sec. | 15:1 | 2050 |
| Wood-Anderson | E | 0.80 sec. | 15:1 | 2050 |

APIAMALU (AF)

Latitude: 13° 54'.68
 Longitude: 171° 46'.6W
 Height above mean sea level: 706 metres, 2315 ft
 Geocentric direction cosines: a -0.961 070
 b -0.138 883
 c -0.238 862

Lithological foundation: Basaltic lava flows

| Instrument | Component | To | Tg | Magnification |
|-------------|-----------|----------|-----------|---------------|
| Benioff | Z | 1.0 sec. | 0.75 sec. | 12,500 |
| | N | 1.0 sec. | 0.75 sec. | 12,500 |
| | E | 1.0 sec. | 0.75 sec. | 12,500 |
| Press-Ewing | Z | 30 sec. | 100 sec. | 750 |
| | N | 30 sec. | 100 sec. | 750 |
| | E | 30 sec. | 100 sec. | 750 |

SUVA (SU)

Latitude: 18° 09' S
 Longitude: 178° 27' E
 Height above mean sea level: 6 metres, 20 ft
 Geocentric direction cosines: a -0.950 515
 b +0.025 720
 c -0.309 613

Lithological foundation: Hard, fine-grained calcareous marl

| Instrument | Component | Period | Damping | Magnification |
|------------|-----------|---------|---------|---------------|
| Milne-Shaw | N | 12 sec. | 20:1 | 250 |

RAOUL (RL)

Latitude: 29° 15'.1S
 Longitude: 177° 55'.1W
 Height above mean sea level: 110 metres, 350 ft
 Geocentric direction cosines: a -0.873 304
 b -0.031 743
 c -0.486 140

Lithological foundation: Volcanic rock

| Instrument | Component | Period | Magnification (without viewer) |
|------------|-----------|------------------------------|-----------------------------------|
| Willmore | Z | To = 0.8 sec. Tg = 0.25 sec. | 1000 |

ONERAHI (ON)

Latitude: 35° 46'.5S
 Longitude: 174° 21'.7E
 Height above mean sea level: 33 metres, 110 ft
 Geocentric direction cosines: a -0.809 249
 b +0.079 894
 c -0.582 008

Lithological foundation: Basalt

| Instrument | Component | Period | Damping | Magnification |
|---------------|-----------|----------|----------|---------------|
| Wood-Anderson | E | 0.8 sec. | critical | 2,800 |

AUCKLAND (AK)

Latitude: 36° 51'.7S
 Longitude: 174° 46'.7E
 Height above mean sea level: 76 metres, 250 ft
 Geocentric direction cosines: a -0.798 694
 b +0.072 992
 c -0.597 293

Lithological foundation: Volcanic beds on Tertiary sandstone and mudstone

| Instrument | Component | Period | Damping | Magnification |
|------------|-----------|---------|---------|---------------|
| Milne-Shaw | N | 10 sec. | 20:1 | 150 |

KARAPIRO (KP)

Latitude: 37° 55'.6S
 Longitude: 175° 32'.3E
 Height above mean sea level: 61 metres, 200 ft
 Geocentric direction cosines: a -0.788 405
 b +0.061 519
 c -0.612 072

Lithological foundation: Greywacke

| Instrument | Component | To | Tg | Magnification |
|------------|-----------|----------|-----------|---------------|
| Willmore | Z | 1.0 sec. | 0.25 sec. | 37,000 |

WAIRAKEI (WK)

Latitude: 38° 37'.98
 Longitude: 176° 06'.2E
 Height above mean sea level: 350 metres, 1150 ft
 Geocentric direction cosines: a -0.781 413
 b +0.053 226
 c -0.621 740

Lithological foundation: Pumice breccia

| Instrument | Component | To | Tg | Magnification |
|------------|-----------|--------|-----------|---------------|
| Willmore | Z | 1 sec. | 0.25 sec. | 300 (nominal) |

GISBORNE (GS)

Latitude: 38° 38'.78
 Longitude: 178° 01'.4E
 Height above mean sea level: 20 metres
 Geocentric direction cosines: a -0.782 613
 b +0.027 011
 c -0.621 922

Lithological foundation: Recent alluvium on Tertiary mudstone

| Instrument | Component | To | Tg | Magnification |
|------------|-----------|--------|-----------|---------------|
| Willmore | Z | 1 sec. | 0.25 sec. | 6,000 |

TUAI (TU)

Latitude: 38° 48'.48
 Longitude: 177° 09'.1E
 Height above mean sea level: 292 metres, 960 ft
 Geocentric direction cosines: a -0.780 359
 b +0.038 825
 c -0.624 126

Lithological foundation: Thick Tertiary sandstone and mudstone

| Instrument | Component | To | Tg | Magnification |
|------------|-----------|----------|-----------|---------------|
| Willmore | Z | 1.0 sec. | 0.25 sec. | 7,000 |

TARATA (TA)

Latitude: 39° 11'.18
 Longitude: 174° 22'.8E
 Height above mean sea level: 130 metres, 400 ft
 Geocentric direction cosines: a -0.773 456
 b +0.076 110
 c -0.629 264

Lithological foundation: Pliocene mudstone

| Instrument | Component | To | Tg | Magnification |
|------------|-----------|--------|-----------|---------------|
| Willmore | Z | 1 sec. | 0.25 sec. | 2,350 |

CHATEAU (CT)

This instrument is under the control of the Geophysical Survey, Geophysics Division, D.S.I.R., and is operated primarily for volcanological research. Seismograms are read by the Seismological Observatory, Wellington, and the readings of earthquakes used to supplement those of the Tongariro station.

Latitude: 39° 12'.18
 Longitude: 175° 32'.6E
 Height above mean sea level: 1135 metres
 Geocentric direction cosines: a -0.774 659
 b +0.060 377
 c -0.629 490

Lithological foundation: Volcanic ash and lava

| Instrument | Component | To | Tg | Magnification |
|------------|-----------|--------|-----------|---------------|
| Willmore | Z | 1 sec. | 0.25 sec. | 25,000 |

TONGARIRO (TO)

Latitude: 39° 12'.28
 Longitude: 175° 32'.3E
 Height above mean sea level: 1131 metres, 3710 ft
 Geocentric direction cosines: a -0.774 637
 b +0.060 444
 c -0.629 512

Lithological foundation: Volcanic ash and lava on Tertiary sandstone and mudstone

| Instrument | Component | Period | Damping | Magnification |
|---------------|-----------|----------|----------|---------------|
| Wood-Anderson | NW-SE | 0.8 sec. | critical | 2,800 |

BUNNYTHORPE (BT)

Latitude: $40^{\circ} 17'.0S$
 Longitude: $175^{\circ} 38'.1E$
 Height above mean sea level: 60 metres, 197 ft
 Geocentric direction cosines: a -0.762 783
 b +0.058 224
 c -0.644 028

Lithological Foundation: Gravels, silts and sands

| Instrument | Component | Period | Damping | Magnification |
|------------|-----------|--------|---------|---------------|
| Imamura | NE(X) | 8 sec. | 5:1 | 2 |
| | NW(Y) | 8 sec. | 5:1 | 2 |
| | Z | 2 sec. | 5:1 | 2 |

COBB RIVER (CB)

Latitude: $41^{\circ} 05'.2S$
 Longitude: $172^{\circ} 44'.0E$
 Height above mean sea level: 213 metres, 700 ft
 Geocentric direction cosines: a -0.749 836
 b +0.095 613
 c -0.654 679

Lithological foundation: Schist

| Instrument | Component | Period | Damping | Magnification |
|---------------|-----------|----------|----------|---------------|
| Wood-Anderson | E | 0.8 sec. | critical | 2,800 |

WELLINGTON (WN)

Latitude: $41^{\circ} 17'.2S$
 Longitude: $174^{\circ} 46'.0E$
 Height above mean sea level: 122 metres, 400 ft
 Geocentric direction cosines: a -0.750 478
 b +0.068 739
 c -0.657 311

Lithological foundation: Greywacke

| Instrument | Component | To | Tg | Magnification |
|---------------|-----------|----------|-----------|---------------|
| Benioff | Z | 1.0 sec. | 0.75 sec. | 6,250 |
| | N | 1.0 sec. | 0.75 sec. | 6,250 |
| | E | 1.0 sec. | 0.75 sec. | 6,250 |
| Press-Ewing | Z | 30 sec. | 100 sec. | 750 |
| | N | 30 sec. | 100 sec. | 750 |
| | E | 30 sec. | 100 sec. | 750 |
| Willmore | Z | 1.0 sec. | 0.25 sec. | 6,000 |
| | N | 0.8 sec. | | 1,400 |
| Wood-Anderson | E | 0.8 sec. | | 1,400 |
| | Z | 1 sec. | | 1 |
| Imamura | N | 4 sec. | | 1 |
| | E | 4 sec. | | 1 |

KAIMATA (KM)

Latitude: $42^{\circ} 31'.4S$
 Longitude: $171^{\circ} 24'.6E$
 Height above mean sea level: 70 metres, 230 ft
 Geocentric direction cosines: a -0.730 977
 b +0.110 420
 c -0.673 410

Lithological foundation: Meraine and alluvium over Tertiary sandstone and mudstone

| Instrument | Component | Period | Damping | Magnification |
|---------------|-----------|----------|----------|---------------|
| Wood-Anderson | NE(X) | 0.8 sec. | critical | 2,800 |

GEBBIES PASS (GP)

Latitude: $43^{\circ} 41'.7S$
 Longitude: $172^{\circ} 38'.8E$
 Height above mean sea level: 225 metres, 740 ft
 Geocentric direction cosines: a -0.719 385
 b +0.092 835
 c -0.688 380

Lithological foundation: Rhyolite

| Instrument | Component | Period | Damping | Magnification |
|---------------|-----------|----------|----------|---------------|
| Wood-Anderson | N | 0.8 sec. | critical | 2,800 |

ROXBURGH (RX)

Latitude: $45^{\circ} 28'.5S$
 Longitude: $169^{\circ} 18'.9E$
 Height above mean sea level: 106 metres, 345 ft
 Geocentric direction cosines: a -0.691 422
 b +0.130 458
 c -0.710 576

Lithological foundation: Chlorite schist

| Instrument | Component | Period | Damping | Magnification |
|------------|-----------|----------------------------|----------|---------------|
| Galitzin | Z | To = Tg = 13 sec. | critical | 450 |
| | N | 24 sec. | critical | 300 |
| | E | 24 sec. | critical | 300 |
| Willmore | Z | To = 1 sec. Tg = 0.25 sec. | critical | 12,700 |

MONOWAI (MN)

Latitude: $45^{\circ} 46'.88$
 Longitude: $167^{\circ} 37'.1E$
 Height above mean sea level: 155 metres, 475 ft
 Geocentric direction cosines:
 a -0.683 551
 b +0.150 059
 c -0.714 311

Lithological foundation: Tertiary sandstone

| Instrument | Component | Period | Magnification |
|------------|-----------|----------------------------|---------------|
| Willmore | Z | To = 1 sec. Tg = 0.25 sec. | 28,750 |

HALLETT (HT)

Latitude: $72^{\circ} 18'.88$
 Longitude: $170^{\circ} 12'.5E$
 Height above mean sea level: 3 metres, 10 ft
 Geocentric direction cosines:
 a -0.301 224
 b +0.051 985
 c -0.952 135

Lithological foundation: Frozen gravel spit

| Instrument | Component | To | Tg | Magnification |
|------------|-----------|----------|-----------|---------------|
| Benioff | Z | 1.0 sec. | 0.75 sec. | 12,500-50,000 |
| | N | 1.0 sec. | 0.75 sec. | |
| | E | 1.0 sec. | 0.75 sec. | |

The magnification of these instruments is varied with seasonal changes in the microseism level.

| | | | | |
|-------------|---|---------|----------|-----|
| Press-Ewing | Z | 30 sec. | 100 sec. | 750 |
| | N | 30 sec. | 100 sec. | 750 |
| | E | 30 sec. | 100 sec. | 750 |

SCOTT BASE (SB)

Latitude: $77^{\circ} 51'.0S$
 Longitude: $166^{\circ} 48' E$
 Height above mean sea level: 33 metres, 100 ft
 Geocentric direction cosines:
 a -0.206 204
 b +0.048 510
 c -0.977 306

Lithological foundation: Frozen basaltic debris resting on lava flows

| Instrument | Component | To | Tg | Magnification |
|------------|-----------|----------|-----------|---------------|
| Benioff | Z | 1.0 sec. | 0.75 sec. | 12,500-50,000 |
| | N | 1.0 sec. | 0.75 sec. | |
| | E | 1.0 sec. | 0.75 sec. | |

The magnification of these instruments is varied with seasonal changes in the microseism level.

| | | | | |
|-------------|---|---------|----------|-----|
| Press-Ewing | Z | 30 sec. | 100 sec. | 750 |
| | N | 30 sec. | 100 sec. | 750 |
| | E | 30 sec. | 100 sec. | 750 |

TIMING ARRANGEMENTS

Radio time-signals originating in the New Zealand Time Service of the D.S.I.R. are broadcast 15 times daily by station 2YA of the New Zealand Broadcasting Service. These signals are automatically impressed on the records at all stations within New Zealand, except Auckland, Bunnythorpe, and Wellington, by an arrangement that has been described by B.H. Olsson (N.Z. Journal of Science and Technology, Vol. 37B pp. 115-8, 1955 Sept.). At Wellington, the timing is derived directly from the New Zealand Time Service, which is situated in the same building as the seismographs. At the other stations the operator records several signals a day by depressing a hand-key when the signal is heard. At Suva, Raoul Island, and Apia similar methods are in use. Afiamalau and the Antarctic stations have the arrangements usual at World Standardised Network Stations. The minute marks at the out-stations are provided either by an electric pendulum clock of the Synchrochrome type, a quartz crystal clock, or a marine chronometer fitted with electric contacts.

STATION READINGS

The station readings are so arranged that data for the stations within New Zealand are given in a single chronological list, and other stations are listed independently. This is partly a result of geographical affinity and partly one of administrative convenience. It is not possible to delay epicentre determination until records from the remoter stations reach Wellington.

All times are given in U.T.; that is, the civil time of the Greenwich meridian, beginning at midnight. New Zealand Standard Time is 12 hours ahead of U.T.

When the horizontal components at a recording station are not oriented north-and-south or east-and-west, the directions are designated X and Y, and the corresponding bearings listed with the station constants in the section 'Stations of the New Zealand Network'.

The small letters following the time of an 'impetus' phase indicate the direction of initial movement. u indicates an upwards ground movement, d a downwards one, n, s, e, and w towards north, south, east, and west respectively; x and y are horizontal movements as explained above; f is a movement opposite to x, and j a movement opposite to y.

Amplitudes in the section 'New Zealand Stations' are ground amplitudes given in microns (1 micron = 10^{-6} metre). For the Antarctic stations, Samoa, and Raoul Island they are trace amplitudes given in millimetres, read in the manner explained at the beginning of each section. Periods are in seconds.

Magnitudes for local earthquakes are a mean of the indications of the Wood-Anderson stations of the network. For distant earthquakes, the values given are the unified magnitude m , determined at the station and from the wave opposite which the value appears, by the methods of Gutenberg and Richter, 1956 (Annali di Geofisica Vol.9, p.1). Both surface waves and body waves are used.

The accuracy of local earthquake epicentres is indicated by a letter in brackets following the attribution 'NZ'.

| | |
|-----|--|
| (A) | epicentres are not in error by more than 5 miles, or 8 km. |
| (B) | " " " " " " " " 10 " " 16 " |
| (C) | " " " " " " " " 15 " " 24 " |
| (D) | " " " " " " " " more uncertain. |

The low accuracy of (D) epicentres generally results from the small magnitude of the shock, or from lack of recording stations in certain azimuths.

In indicating focal depth, a distinction is made between shallow earthquakes (S), whose records show clear crustal phases, and normal earthquakes (N), which probably originate near the base of the crust.

NEW ZEALAND STATIONS

This section does not include readings of New Zealand earthquakes whose magnitudes are less than 5.0; but epicentres have been determined for all such shocks above magnitude 4.0, and for any smaller shocks that have been reported felt. These epicentres, focal depths, and origin times are listed in a separate section of the Report.

Throughout this section, the amplitudes given are those of the actual ground motion, not the deflection of the trace. They are expressed in microns.

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|------|---------|---------|----|----|----|------|-------|--------|--------|-------|-------|
| JAN | 1 | CT | eP | Z | 12 | 24 | 31 | | | | |
| | | RX | eP | Z | 12 | 25 | 01 | | | | |
| | WN | eL | NE | | 35 | | | | | | |
| | | eL | E | 12 | 39 | | | | | | |
| | | | eL | ZN | | 40 | | | | | |
| | | Origin: | | | 12 | 17 | 38.6 | 6.8S | 155.9E | 165km | USCGS |
| | 1 | KP | eP | Z | 13 | 58 | | | | | |
| | | Origin: | | | 13 | 48 | 06.5 | 20.8S | 144.6E | 43km | USCGS |
| | 1 | CT | eP | Z | 16 | 32 | 06 | | | | |
| | | | eS | Z | | 35 | 47 | | | | |
| WN | eP | ZNE | | 16 | 32 | 29 | | | | | |
| | eS | ZNE | | | 36 | 25 | | | | | |
| RX | eP | Z | | 16 | 33 | 24 | | | | | |
| | Origin: | | | 16 | 27 | 38.1 | 20.0S | 175.4W | 130km | USCGS | |
| 1 | CT | eP | Z | 19 | 46 | 51 | | | | | |
| | RX | eS | NE | 19 | 54 | 5 | | | | | |
| | | eSS | NE | | 58 | 5 | | | | | |
| | | eLq | NE | 20 | 01 | 9 | | | | | |
| WN | M | NE | | 02 | | | | 6 24 | 4 22 | 6.1 | |
| | eL | Z | | 20 | 03 | | | | | | |
| | Origin: | | | 19 | 35 | 55.1 | 40.2S | 81.3E | 33km | USCGS | |
| 1 | KP | eP | Z | 23 | 51 | | | | | | |
| | RX | eSKS | N | 24 | 03 | 46 | | | | | |
| | | eS | E | | 05 | 04 | | | 2 22 | 6.3 | |
| | | e(SSS) | E | | 12 | 36 | | | | | |
| WN | eL | E | | | 23 | 0 | | | | | |
| | eL | N | | | 29 | | | | | | |
| | e(SP) | Z | | 24 | 05 | 7 | | | | | |
| | eL | ZNE | | | 26 | | | | | | |
| | M | ZNE | | | 27 | | | 4 28 | 4 30 | 3 32 | |
| | Origin: | | | 23 | 39 | 05.6 | 56.6N | 157.7W | 50km | USCGS | |
| 2 | CT | eP | Z | 15 | 05 | 04 | | | | | |
| | RX | eP | Z | 15 | 05 | 17 | | | | | |
| | | eSS | NE | | 16 | 7 | | | | | |
| | | eLq | NE | | 19 | | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|------------|-------------------|-------|-------|--------|
| JAN | | M | NE 20 | | 7 30 | 6 30 | |
| | | eL | ZNE 22 | | | | |
| | | M | ZNE 24 | 7 16 | 6 14 | 9 14 | |
| | WN | eP | Z 15 05 20 | | | | |
| | | eS | ZNE 12 20 | | | | |
| | | eSS | NE 16.7 | | | | |
| | | eLq | NE 18 | | | | |
| | | M | NE 19 | | 5 36 | 2 36 | |
| | | eLr | Z 20 | | | | |
| | | M | ZNE 24 | 4 22 | 8 18 | 7 20 | 6.1 |
| | Origin: | | 14 56 05.4 | 4.18 135.2E | 33km | USCGS | |
| 2 | CT | eP | Z 16 04 20 | | | | |
| | WN | eS? | E 16 11.0 | | | | |
| | | eSS? | E 14.2 | | | | |
| | | eLq | NE 15 | | | | |
| | | eLr | Z 16 | | | | |
| | | M | ZE 17 | 3 36 | | 5 40 | |
| | RX | eS | NE 16 11.1 | | 3 14 | 4 15 | 6.0 |
| | | eLq | N 15.5 | | | | |
| | | eLq | E 16.8 | | | | |
| | | eLr | Z 17.3 | | | | |
| | | M | ZNE 18 | 10 18 | 6 20 | 12 21 | 6.4 |
| | Origin: | | 15 55 47.9 | 52.9S 118.2W | 33km | USCGS | |
| 2 | CT | eP | Z 18 08 39 | | | | |
| | WN | eL | N 18 26 | | | | |
| | | eL | ZE 27 | | | | |
| | RX | eL | NE 18 26 | | | | |
| | Origin: | | 17 59 38.8 | 4.3S 135.2E | 33km | USCGS | |
| 2 | CT | eP | Z 18 37 00 | | | | |
| | Origin: | | 18 30 52.7 | 10.7S 165.0E | 39km | USCGS | |
| 3 | CT | eP | Z 03 17 10 | | | | |
| | RX | eP | Z 03 17 24 | | | | |
| | WN | eLr | Z 03 44 | | | | |
| | Origin: | | 03 05 03.5 | 29.7N 130.1E | 33km | USCGS | |
| 3 | CT | eP | Z 09 47 17 | | | | |
| | WN | eP | Z 09 47 38 | | | | |
| | | ePP | Z 49 16 | 1 12 | | | |
| | | eS | ZNE 53 38 | | | | |
| | | eSS | ZE 57.0 | | | | |
| | | eLr | ZE 59.5 | | | | |
| | | eLr | N 10 00 | | | | |
| | | M | ZNE 01 | 6 24 | 7 24 | 4 24 | 5.9 |
| | RX | eS | NE 09 54.1 | | | | |
| | | eSS | NE 57.4 | | | | |
| | | e(Lq) | NE 10 00.3 | | | | |
| | | eLr | Z 02.5 | | | | |
| | | M | NE 03 | | 4 22 | 4 21 | 5.9 |
| | Origin: | | 09 39 46.8 | 5.3S 151.5E | 74km | USCGS | 5.9 PA |
| 3 | CT | eP | Z 14 03 37 | | | | |
| | | e | Z 03 47 | | | | |
| | Origin: | | 13 56 34.5 | 6.9S 155.2E | 91km | USCGS | |
| | | | | Felt: Solomon Is. | | | |
| 3 | CT | eP | Z 19 20 02 | | | | |
| | Origin: | | 19 12 49.8 | 5.9S 155.0E | 99km | USCGS | |
| 4 | CT | eP | Z 05 40 31 | | | | |
| | WN | eP | Z 05 40 48 | | | | |
| | Origin: | | 05 32 51.4 | 4.7S 153.2E | 162km | USCGS | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|--------|--------------|-----------------------------------|-------|-------|--------|
| JAN | 4 CT | eP | Z 05 54 16 | | | | |
| | Origin: | | 05 42 35.3 | 29.7N 142.2E | 33km | USCGS | |
| 4 | ON | eP | E 06 45 18 | | | | 4.9 |
| | TU | eP | Z 06 45 21 | | | | |
| | | eS | Z 46 41 | | | | |
| | KP | eP | Z 06 45 (24) | | | | |
| | CT | eP | Z 06 45 34 | | | | |
| | | e | Z 47 43 | | | | |
| | TO | e | Y 06 45 42 | | | | |
| | | e | Y 47 32 | | | | |
| | | e | Y 47 45 | | | | 5.5 |
| | WN | eS | NE 06 47 45 | | | | 5.5 |
| | CB | eS | E 06 48 05 | | | | 5.5 |
| | GP | eS | N 06 48 50 | | | | 5.5 |
| | Origin: | | 06 43 38 | 33.8S 178W | N | NZ(D) | 5.3 NZ |
| | | | 06 43 42.3 | 32.6S 178.6W | 44km | USCGS | |
| 4 | CT | eP | Z 12 24 06 | | | | |
| | | e? | Z 24 26 | | | | |
| | WN | eP | Z 12 24 12 | | | | |
| | | ePP? | Z 25 53 | | | | |
| | | e(S)P | ZNE 30 14 | | | | |
| | | e(S) | NE 30 52 | | | | |
| | | eSS | ZNE 33.6 | | | | |
| | | e(Lr) | Z 36 | 1 12 | | 6 24 | |
| | RX | eP | Z 12 24 30 | | | | |
| | | e | N 26 54 | | | | |
| | | e(PoS) | NE 30 40 | | | | |
| | | e(S) | NE 31 18 | | | | 4 17 |
| | | eSS | NE 34.2 | | | | |
| | | eL | ZNE 37 | | | | |
| | | M | ZNE 38 | | | | |
| | Origin: | | 12 16 38.0 | 4.7S 154.0E | 69km | USCGS | 6.0 |
| 5 | TU | eP | Z 00 30 33 | | | | |
| | Origin: | | 00 20 11.6 | 3.2N 127.0E | 33km | USCGS | |
| 5 | RX | eP | Z 00 32 10 | | | | |
| | WN | eP | ZNE 00 32 22 | | | | |
| | TU | eP | Z 00 32 26 | | | | |
| 5 | CT | eP | Z 13 09 47 | | | | |
| | | e | Z 11 50 | | | | |
| | WN | eP | Z 13 10.1 | | | | |
| | | eS | ZNE 14 24 | 1 16 | | 3 16 | 5.5 |
| | | eLq | ZNE 16.8 | | | | |
| | | eLr | Z 18.3 | | | | |
| | | M | ZNE 18.5 | 3 17 | | 3 18 | 7 17 |
| | RX | eS | N 13 15 30 | | | 4 15 | 5.6 |
| | | eLq | E 16.8 | | | | |
| | | M | E 18 | | | | 7 23 |
| | | eLr | Z 20.5 | | | | 5.8 |
| | | eLr | E 21 | | | | |
| | | M | E 22 | | | | |
| | | M | E 24 | | | | |
| | Origin: | | 13 04 48.1 | 17.8S 167.9E | 33km | USCGS | |
| | | | | Felt: Port Vila, New Hebrides Is. | | | |
| 5 | WN | eP | ZE 13 26 07 | | | | |
| | | e(S) | ZE 34 20 | | | | 3 32 |
| | | e(SS) | E 38 06 | | | | 4 21 |
| | | eLq | ZNE 42 | | | | |
| | | M | Z 46 | | | | |
| | | M | ZNE 50 | 3 26 | | | |
| | | M | ZNE 50 | 9 18 | | 7 16 | 5 16 |
| | CT | eP | Z 13 26 08 | | | | 6.0 |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------------------|--------------|-------------------|---------------------|-------|-------|------|
| JAN | RX | eLq e(Lq) M | E N NE | 13 42 43 47 | | 6 14 | 5 16 | |
| | Origin: | | | 13 16 43.0 | 10.0S 124.0E | 33km | USCGS | |
| 6 | CT | eP | Z | 01 32 50 | | | | |
| | Origin: | | | 01 27 59.2 | 17.0S 169.5E | 259km | USCGS | |
| 6 | CT | eP | Z | 03 29 22 | | | | |
| | Origin: | | | 03 18 56.6 | 6.0N 125.3E | 143km | USCGS | |
| 6 | CT | eP | Z | 15 32 05 | | | | |
| | epP | Z | | 30 | | | | |
| | RX | eP? | Z | 15 32 32 | | | | |
| | e | Z | | 46 | | | | |
| | e | Z | | 33 43 | | | | |
| | Origin: | | | 15 24 48.2 | 4.9S 153.8E | 131km | USCGS | |
| 6 | CT | eP | Z | 19 56 29 | | | | |
| | Origin: | | | 19 46 58.8 | 8.9S 123.8E | 33km | USCGS | |
| 6 | KP | eP | Z | 21 33 41 | | | | |
| | Origin: | | | 21 20 56.5 | 47.4N 155.9E | 33km | USCGS | |
| 7 | KP | eP | Z | 06 31 49 | | | | |
| | ePcP | Z | | 34 10 | | | | |
| | RX | eSS | NE | 06 42.2 | | | | |
| | e(Lr) | NE | | 45 | | | | |
| | WN | eLr | Z | 06 44.3 | | | | |
| | Origin: | | | 06 24 49.2 | 1 24 6.4S 154.7E | 80km | USCGS | |
| | | | | | Felt: Solomon Is. | | | |
| 7 | KP | eP | Z | 11 58 22 | | | | |
| | e | Z | | 59 14 | | | | |
| | RX | eS | NE | 12 06 32 | | | | |
| | e | NE | | 13 14 | | | | |
| | eL | NE | | 20 | | | | |
| | eL | Z | | 22 | | | | |
| | M | E | | 22 | | | | |
| | WN | e(S) | Z | 12 06.7 | | | | |
| | e | Z | | 11.7 | | | | |
| | eLq | N | | 14 | | | | |
| | e | Z | | 15.5 | | | | |
| | eLr | Z | | 19 | | | | |
| | M | ZE | | 20 | | | | |
| | Origin: | | | 11 48 22.7 | 0.6N 125.7E | 42km | USCGS | 5.8 |
| 7 | KP | eP | Z | 18 33 55 | | | | |
| | Origin: | | | 18 28 41.2 | 15.9S 173.0W | 33km | USCGS | |
| 7 | KP | eP | Z | 19 24 24 | | | | |
| | e | Z | | 32 | | | | |
| | WN | eP | Z | 19 24 52 | | | | |
| | eS | ZNE | | 29 16 | | | | |
| | eLq | ZNE | | 31.6 | | | | |
| | eLr | Z | | 33.3 | | | | |
| | M | ZNE | | 34 | | | | |
| | RX | eS | N | 19 30.3 | | 2 18 | 3 17 | 3 16 |
| | eLq | E | | 32 | | | | |
| | eLr | ZN | | 35 | | | | |
| | M | E | | 35 | | | | 4 17 |
| | M | E | | 37 | | | | 5 15 |
| | M | Z | | 38 | | | | |
| | Origin: | | | 19 19 34.1 | 17.5S 167.7E | 19km | USCGS | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|------|------------|--------------|-------|-------|------|
| JAN | 8 | KP | e(P) | Z | 13 36 36 | | | |
| 8 | KP | eP | Z | 15 58 42 | | | | |
| | e | Z | | 59 21 | | | | |
| | Origin: | | | 15 46 45.5 | 31.2N 130.2E | 177km | USCGS | |
| 8 | KP | eP | Z | 19 55 00 | | | | |
| | Origin: | | | 19 50 04.9 | 17.0S 171.8W | 33km | USCGS | |
| 9 | TU | eP? | Z | 02 05 18 | | | | |
| | eP | Z | | 28 | | | | |
| | eS | Z | | 07 09 | | | | |
| | WN | eS | ZNE | 02 08 15 | | | | |
| | e | Z | | 10.6 | | | | 1 20 |
| | RX | eL | E | 02 12 | | | | |
| | eL | N | | 13 | | | | |
| | Origin: | | | 02 02 38.5 | 28.9S 177.4W | 71km | USCGS | |
| 9 | TU | eP | Z | 03 23 12 | | | | |
| | e | Z | | 14 | | | | |
| | Origin: | | | 03 13 26.4 | 18.6N 145.4E | 192km | USCGS | |
| 9 | TU | eP | Z | 21 42 20 | | | | |
| | Origin: | | | 21 37 29.2 | 16.6S 174.8W | 270km | USCGS | |
| 11 | RX | eP | Z | 12 23 46 | | | | |
| | eS | E | | 33 24 | | | | 2 24 |
| | e(SP) | N | | 34 00 | | | | |
| | e(SS) | E | | 38 05 | | | | 1 16 |
| | eLq | NE | | 43.1 | | | | |
| | eLr | E | | 46.0 | | | | |
| | eLr | ZN | | 47 | | | | |
| | M | E | | 47 | | | | 4 22 |
| | WN | eP | Z | 12 23 48 | | | | |
| | e(SP) | Z | | 33 47 | | | | |
| | e(PSP) | Z | | 34 16 | | | | 2 30 |
| | eLr | ZNE | | 46 | | | | |
| | M | ZNE | | 46 | | | | 4 26 |
| | Origin: | | | 12 12 16.2 | 45.0S 175.7W | 33km | USCGS | 6.0 |
| 11 | ON | eP | E | 15 02 34 | | | | |
| | TO | eP | Y | 15 02 58 | | | | |
| | e | Y | | 04 35 | | | | |
| | CT | eP | Z | 15 02 58 | | | | |
| | WN | e(S) | E | 15 04 50 | | | | |
| | GP | e(S) | N | 15 05 59 | | | | |
| 11 | TO | eP | Y | 17 08 24 | | | | |
| | eS | Z | | 10 15 | | | | |
| | WN | eP | Z | 17 08 38 | | | | |
| | eS | ZNE | | 10 52 | | | | |
| | Origin: | | | 17 05 42.3 | 29.4S 178.6W | 225km | USCGS | |
| 12 | RX | eL | NE | 00 19 | | | | |
| | eL | Z | | 21 | | | | |
| | M | ZNE | | 24 | | | | 5 9 |
| | WN | eL | ZE | 00 20 | | | | 4 10 |
| | M | ZE | | 23 | | | | 3 11 |
| | | | | | | | | 2 10 |
| 12 | TU | eP | Z | 19 24 30 | | | | |
| | e | Z | | 25 06 | | | | |
| | TO | eP | Y | 19 24 46 | | | | |
| 12 | TU | eP | Z | 23 32 33 | | | | |
| | Origin: | | | 23 21 52.1 | 7.1N 125.2E | 84km | USCGS | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--|---------|-------|------------|-------------|--------------|--------------|-------|
| JAN 13 | TU | eP | Z | 04 21 41 | | | |
| | WN | e(L) | Z | 04 28.4 | | | |
| | | eL | N | 29 | | | |
| | | eL | Z | 30 | | | |
| | | eL | E | 31 | | | |
| | | M | Z | 32 | | | |
| | RX | eL | E | 04 31 | 1 20 | | |
| | | eL | N | 36 | | | |
| | Origin: | | | 04 16 44 | 15.7S 174.8W | 236km | USCGS |
| | 13 | WN | eP | ZNE | 08 03 11 | | |
| e | | ZE | | 31 | | | |
| TU | | eP | Z | 08 03 14 | | | |
| Origin: | | | 07 53 04.6 | 2.1N 125.4E | 144km | USCGS | |
| 13 | WN | eP | Z | 12 57 16 | | | |
| | eL | ZNE | | 13 11 | | | |
| | Origin: | | | 12 49 30.2 | 6.5S 149.3E | 29km | USCGS |
| 13 | RX | eP? | Z | 13 49 12 | | | |
| | TU | eP | Z | 13 48 17 | | | |
| | WN | eP | ZNE | 13 48 36 | | | |
| | eS | ZNE | | 52 30 | | | |
| | Origin: | | | 13 43 42.1 | 14.0S 171.2E | 634km | USCGS |
| 13 | RX | eP | Z | 16 22 34 | | | |
| | e | Z | | 23 27 | | | |
| | e(S) | Z | | 35 | | | |
| | eL | ZNE | | 23.6 | | | |
| | M | ZNE | | 24 | | | |
| | GP | eP | N | 16 23 15 | 11 13 | 17 20 | 33 13 |
| | e | N | | 24 03 | | | |
| | eS | N | | 51 | | | |
| | WN | eLq | NE | 16 26.0 | | | |
| | eLr | Z | | 26.7 | | | |
| Origin: | | | 16 21 13.1 | 7 11 | 16 15 | 11 18 | |
| 14 | KP | eP | Z | 00 55 22 | | | |
| | Origin: | | | 00 50 39.1 | 17.2S 168.1E | 33km | USCGS |
| Felt: Port Vila and Forari, New Hebrides Is. | | | | | | | |
| 14 | WN | eP? | Z | 09 56 27 | | | |
| | Origin: | | | 09 50 30.7 | 12.2S 166.6E | 145km | USCGS |
| 14 | KP | eP | Z | 11 23 50 | | | |
| | WN | eP | Z | 11 24 23 | | | |
| | eS | ZNE | | 28 16 | | | |
| | e(L) | Z | | 29.6 | | | |
| | eL | NE | | 31.6 | | | |
| | M | ZNE | | 32 | | | |
| | RX | eP | Z | 11 25 02 | 6 18 | 22 28 | 18 30 |
| | eS | NE | | 29.5 | | | |
| | e? | N | | 30.5 | | | |
| | e? | E | | 30.8 | | | |
| | eL | ZNE | | 32 | | | |
| | M | NE | | 32 | | | |
| | M | Z | | 34 | | | |
| | Origin: | | | 11 19 47.5 | 21.2S 169.3E | 33km | USCGS |
| | 15 | KP | eP | Z | 02 42 31 | | |
| WN | | eL | Z | 03 07.0 | | | |
| M | | Z | | 09 | | | |
| Origin: | | | | 02 32 20.0 | 2 19 | 13.4N 145.3E | 38km |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|--------|------------|--------------|--------------|-------|-------|
| JAN 15 | KP | eP | Z | 09 53 35 | | | |
| | RX | eP | Z | 09 54 29 | | | |
| | WN | eL | Z | 10 03 | | | |
| | Origin: | | | 09 47 42.9 | 10.6S 164.9E | 89km | USCGS |
| 15 | TU | eP | Z | 16 24 53 | | | |
| | eS | Z | | 26 27 | | | |
| | WN | eS | ZNE | 16 27 27 | | | |
| 15 | WN | e(S) | E | 17 48.0 | | | |
| | eL | Z | | 51 | | | |
| | RX | eS | E | 17 50.0 | | | |
| Origin: | | | 17 39 19.2 | 17.1S 179.6W | 276km | USCGS | |
| 15 | KP | eP | Z | 19 30 20 | | | |
| | eScP | Z | | 37 09 | | | |
| | WN | eP | ZNE | 19 30 47 | | | |
| | e | Z | | 33.0 | | | |
| | eS | ZNE | | 34 05 | | | |
| | eScP | ZN | | 37 17 | | | |
| | eScS | NE | | 41 01 | | | |
| | RX | eP | Z | 19 31 38 | | | |
| | ePcP | Z | | 34 42 | | | |
| | eScP | Z | | 37 33 | | | |
| Origin: | | | 19 26 34.3 | 20.5S 177.9W | 496km | USCGS | |
| 15 | WN | eL | Z | 23 09 | | | |
| | Origin: | | | 22 17 50.9 | 31.3S 13.4W | 33km | USCGS |
| 16 | KP | e(P) | Z | 01 09 05 | | | |
| 16 | KP | eP | Z | 03 21 53 | | | |
| | WN | eS | Z | 03 27.0 | | | |
| | eL | ZNE | | 30 | | | |
| | M | Z | | 31 | | | |
| RX | eS | NE | | 03 27 14 | | | |
| | eL | NE | | 30 | | | |
| | eL | Z | | 31 | | | |
| | M | NE | | 31 | | | |
| Origin: | | | 03 14 05.4 | 54.0S 133.5W | 33km | USCGS | |
| 16 | KP | eP | Z | 05 57 44 | | | |
| | Origin: | | | 05 44 52.3 | 51.3N 179.9W | 38km | USCGS |
| 16 | CT | e(PKP) | Z | 06 58 30 | | | |
| | Origin: | | | 06 38 40.4 | 54.2N 34.9W | 33km | USCGS |
| 16 | KP | eP | Z | 21 18 56 | | | |
| | RX | e(Lq) | N | 21 38 | | | |
| | e(Lr) | E | | 41 | | | |
| | WN | eLr | Z | 21 40 | | | |
| Origin: | | | 21 08 38.8 | 11.1S 111.6E | 94km | USCGS | |
| 17 | KP | eP | Z | 06 08 04 | | | |
| | Origin: | | | 05 56 54.8 | 14.0N 120.6E | 207km | USCGS |
| 18 | CT | eP | Z | 03 23 35 | | | |
| | RX | eP | Z | 03 23 50 | | | |
| | Origin: | | | 03 12 05.7 | 33.1N 135.8E | 425km | USCGS |
| 18 | CT | eP | Z | 05 47 50 | | | |
| 19 | KP | eP | Z | 17 22 23 | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|-----|---------------|---|-------|-------|------|
| JAN 20 | KP | eP | Z | 00 22 09 | | | | |
| | Origin: | | | 00 19 02 | 23.7S 180.0 | 550km | USCGS | |
| 20 | TU | eP | Z | 22 42 40 | | | | |
| | Origin: | | | 22 37 28.7 | 15.4S 167.7E | 107km | USCGS | |
| | | | | | Felt: Santo, New Hebrides Is. | | | |
| 21 | CT | eP? | Z | 04 28 05 | | | | |
| | Origin: | | | 04 15 50.2 | 34.3S 69.7W | 183km | USCGS | |
| 21 | TU | eP | Z | 10 44 13 | | | | |
| | WN | eL | Z | 11 04 | | | | |
| | Origin: | | | 10 35 39.0 | 3.0S 136.2E | 57km | USCGS | |
| 21 | KP | eP | Z | 18 40 21 | | | | |
| | CT | eP | Z | 18 40 30 | | | | |
| | Origin: | | | 18 35 41.5 | 18.0S 175.4W | 64km | USCGS | |
| 22 | KP | eP | Z | 08 46 52 | | | | |
| | Origin: | | | 08 32 33.2 | 11.3S 74.7W | 33km | USCGS | |
| 22 | ON | eP | E | 13 30 59 | | | | |
| | TU | eP? | Z | 13 31 10 | | | | |
| | | eP | Z | 11 | | | | |
| | | eS | Z | 32 39 | | | | |
| | | e | Z | 33 02 | | | | |
| | KP | iP | Z | 13 31 11.0 d | | | | |
| | CT | eP | Z | 13 31 20 | | | | |
| | | eS | Z | 33 00 | | | | |
| | TO | e | Y | 13 31 23 | | | | |
| | | e | Y | 29 | | | | |
| | | eS | Y | 32 57 | | | | |
| | WN | e | Z | 13 31 42 | | | | |
| | | e | ZNE | 33 37 | | | | |
| | CE | e | E | 13 33 53 | | | | |
| | GP | e | N | 13 34 37 | | | | |
| 22 | KP | eP | Z | 15 30 11 | | | | |
| | Origin: | | | 15 27 36.0 | 25.3S 179.5E | 530km | USCGS | |
| 22 | KP | iP | Z | 20 48 31.8 u | | | | |
| | Origin: | | | 20 44 37.3 | 19.2S 177.6W | 546km | USCGS | |
| 23 | CT | iP | Z | 00 51 06.9 | | | | |
| | | e | Z | 32 | | | | |
| | TO | eP | Y | 00 51 07 | | | | |
| | iS | Y | Y | 32.1 nw | | | | |
| | KP | iP! | Z | 00 51 08.0 | | | | |
| | | e | Z | 35 | | | | |
| | WK | eP | Z | 00 51 08 | | | | |
| | | e | Z | 35 | | | | |
| | TU | eP | Z | 00 51 12 | | | | |
| | | e | Z | 34 | | | | |
| | | eS | Z | 41 | | | | |
| | WN | iP | ZNE | 00 51 20.4 uw | | | | 5.1 |
| | | e | ZNE | 57 | | | | |
| | KM | eP | X | 00 51 45 | | | | 5.5 |
| | | eS | X | 52 38 | | | | |
| | GP | eP | N | 00 51 50 | | | | 6.1 |
| | | eS | N | 52 50 | | | | |
| | RX | e | Z | 00 53 49 | | | | |
| | Origin: | | | 00 50 34 | 38.85S 175.10E | 250km | NZ(C) | 5.5 |
| | | | | | Felt: Bunnythorpe (MM4), Wellington (MM3) | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|-----|------------|-------------------|-------|-------|------|
| JAN 24 | KP | eP | Z | 12 14 21 | | | | |
| | WN | eL | Z | 12 23.3 | | | | |
| | | M | Z | 24 | | | 4 28 | |
| | | eL | NE | 24 | | | | |
| | RX | eL | NE | 12 26 | | | | |
| | Origin: | | | 12 09 01.2 | 15.2S 173.6W | 33km | USCGS | |
| | | | | | Felt: Apia, Samoa | | | |
| 24 | KP | eP | Z | 22 38 06 | | | | |
| | RX | eSS | E | 22 51 28 | | | | |
| | | eLq | N | 55 | | | | |
| | | eLq | E | 56 | | | | |
| | | eLr | NE | 23 01 | | | | |
| | WN | eLr | Z | 23 00.7 | | | | |
| | | M | Z | 01 | | | 4 26 | |
| | Origin: | | | 22 27 32.5 | 8.0N 126.8E | 67km | USCGS | |
| 25 | KP | eP | Z | 00 20 11 | | | | |
| | CT | eP | Z | 00 20 22 | | | | |
| | RX | eP | Z | 00 21 17 | | | | |
| | Origin: | | | 00 16 05.7 | 20.3S 169.6E | 135km | USCGS | |
| 25 | KP | eP | Z | 13 00 57 | | | | |
| | CT | eP | Z | 13 01 08 | | | | |
| | WN | eP | Z | 13 01 25 | | | | |
| | Origin: | | | 12 49 42.0 | 21.8N 143.8E | 190km | USCGS | |
| 25 | KP | eP | Z | 14 39 55 | | | | |
| | Origin: | | | 14 32 04 | 04.6S 147.4E | 33km | USCGS | |
| 25 | KP | eP | Z | 16 17 38 | | | | |
| | WN | eP | ZNE | 16 18 06 | | | | |
| | Origin: | | | 16 14 07.5 | 21.1S 179.2W | 603km | USCGS | |
| 25 | WN | eLr | ZNE | 17 09 | | | | |
| | | M | Z | 10 | | | 2 22 | |
| | RX | eLr | NE | 17 12 | | | | |
| | Origin: | | | 16 56 40 | 17.5S 176.2W | 33km | USCGS | |
| 25 | KP | eP | Z | 20 26 11 | | | | |
| | | e? | Z | 23 | | | | |
| | CT | eP | Z | 20 26 19 | | | | |
| | WN | eP | Z | 20 26 43 | | | | |
| | | eL | ZNE | 33 | | | | |
| | | eL | N | 35 | | | | |
| | | M | Z | 45 | | | 3 20 | |
| | RX | eL | E | 20 36 | | | | |
| | | eL | N | 38 | | | | |
| | | eL | Z | 40 | | | | |
| | Origin: | | | 20 21 31.6 | 19.0S 173.3W | 129km | USCGS | |
| 26 | KP | eP | Z | 19 17 13 | | | | |
| | WN | eL | Z | 19 26 | | | | |
| | Origin: | | | 19 12 02.5 | 15.7S 172.9W | 33km | USCGS | |
| 27 | TU | e(P) | Z | 00 54 41 | | | | |
| | | e | Z | 53 | | | | |
| | KP | e(P) | Z | 00 54 42 | | | | |
| | | e | Z | 59 | | | | |
| 27 | KP | eP? | Z | 01 18 43 | | | | |
| | RX | eP | Z | 01 18 56 | | | | |
| | Origin: | | | 01 06 55.4 | 25.6N 128.3E | 61km | USCGS | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|--------|--------------|--------------------------------|--------------|-------|-------|
| JAN 27 | KP | eP | Z 16 58 31 | | | | |
| | Origin: | | 16 52 40.2 | 10.5S 165.0E | 107km | USCGS | |
| 27 | KP | eP | Z 18 53 35 | | | | |
| | epP | Z | 50 | | | | |
| | e? | Z | 55 55 | | | | |
| | CT | eP | Z 18 53 44 | | | | |
| | RX | eL | NE 19 07 | | | | |
| | Origin: | | 18 46 14.6 | 5.2S 152.3E | 72km | USCGS | |
| | | | | Felt: Gavit, Karlai and Rabaul | | | |
| 27 | KP | e(PKP) | Z 19 54 26 | | | | |
| | e | Z | 53 | | | | |
| | Origin: | | 19 35 14.3 | 41.2N 49.8E | 33km | USCGS | 5.2 |
| 28 | RX | eL | N 01 30.5 | | | | |
| | eL | E | 32.0 | | | | |
| | WN | eL | Z 01 31 | | | | |
| | M | Z | 34 | | | | |
| 28 | KP | eP | Z 05 32 03 | | | | |
| | Origin: | | 05 27 17.6 | 16.8S 173.5W | 88km | USCGS | |
| 28 | KP | e(P) | Z 07 51 57 | | | | |
| | e(P) | Z | 52 33 | | | | |
| | Origin: | | 07 47 32.8 | 16.7S 172.5W | 154km | USCGS | |
| 28 | RX | eP | Z 10 05 19 | | | | |
| | eS | Z | 06 51 | | | | |
| | eL | NE | 07 22 | | | | |
| | CT | eP | Z 10 07 12 | | | | |
| | WN | e(S) | E 10 09.4 | | | | |
| | eL | E | 10.7 | | | | |
| | eL | ZN | 11.0 | | | | |
| | M | ZNE | 12 | | | | |
| | Origin: | | 10 03 21.4 | 2 16 2 16 3 16 | 52.4S 159.6E | 33km | USCGS |
| 28 | KP | eP | Z 10 43 44 | | | | |
| | CT | eP | Z 10 43 57 | | | | |
| | WN | eP | ZNE 10 44 14 | | | | |
| | Origin: | | 10 39 30.6 | 19.0S 169.6E | 220km | USCGS | |
| 28 | KP | eP | Z 12 20 13 | | | | |
| | e(pp) | Z | 34 | | | | |
| | e(pp) | Z | 21 56 | | | | |
| | CT | eP | Z 12 20 20.5 | | | | |
| | epP | Z | 40 | | | | |
| | WN | eP | Z 12 20 33 | | | | |
| | ePP | ZNE | 22 32 | 4 8 | | | 6.2 |
| | eS | ZNE | 27 04 | 5 10 | 6 10 | 4 10 | |
| | eSS | ZNE | 30 28 | 7 26 | 20 32 | 17 30 | 6.4 |
| | e(Lq) | NE | 31.5 | 3 28 | 18 24 | 11 28 | |
| | e | Z | 32 26 | | 24 32 | 26 32 | |
| | eLr | ZNE | 33 | 6 22 | | | |
| | M | ZNE | 34 | | | | |
| | RX | eP | Z 12 20 47 | 43 35 | 41 28 | 50 32 | |
| | epP | Z | 21 11 | | | | |
| | ePP | NE | 22.5 | | 56 9 | | |
| | eS | ZNE | 27 30 | | 23 22 | 24 22 | 6.7 |
| | eSS | NE | 31 16 | | 9 20 | 1 17 | |
| | e(Lq) | NE | 33.3 | | 12 20 | | |
| | eLr | ZNE | 34.5 | | | | |
| | M | ZNE | 37 | | | | |
| | Origin: | | 12 12 19.8 | 30 20 26 21 | 33 20 | 6.4 | |
| | | | | 2.68 149.9E | 33km | USCGS | 6.1 |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|--------------|--------------|-----------|-------|-------|
| JAN 28 | KP | eP | Z 13 14 10 | | | | |
| | CT | eP | Z 13 14 16 | | | | |
| | WN | ePP | Z 13 18.0 | | | | |
| | eSKS | ZNE | 24 16 | 2 18 | 3 16 | 4 8 | |
| | e(S) | NE | 25 40 | | 7 24 | 9 34 | 6.9 |
| | ePS | ZN | 27 04 | | 10 32 | | |
| | eLq | NE | 41.5 | | 21 48 | 47 50 | |
| | eLr | ZNE | 46 | | | | |
| | M | ZN | 47 | 30 28 | 33 28 | | |
| | M | E | 48 | | | 36 26 | |
| | M | ZNE | 52 | 25 20 | 23 21 | 15 21 | 6.7 |
| | RX | eSKS | N 13 25 20 | | 5 14 | | |
| | e(S) | E | 26.4 | | | 15 27 | |
| | ePS | N | 28 12 | | | | |
| | eSS | NE | 33 52 | | 12 21 | | |
| | e(SSS) | N | 38.3 | | | | |
| | e | E | 38.7 | | | 9 30 | |
| | eLq | NE | 43.6 | | 5 23 | 21 32 | |
| | eLr | NE | 48.7 | | | | |
| | eLr | Z | 49.3 | | | | |
| | M | ZNE | 55 | 21 19 | 33 20 | 33 20 | 6.6 |
| | Origin: | | 13 00 50.7 | 54.7N 161.6W | 33km | USCGS | |
| 28 | KP | eiP | Z 13 54 14 d | | | | |
| | e? | Z | 55 13 | | | | |
| | eScP | Z | 14 00 50 | | | | |
| | CT | eP | Z 13 54 22 | | | | |
| | eS | Z | 57 38 | | | | |
| | eScP | Z | 14 00 52 | | | | |
| | WN | eP | ZNE 13 54 43 | | | | |
| | eS | ZNE | 58 05 | | | | |
| | RX | eP | Z 13 55 18 | | | | |
| | Origin: | | 13 50 28.3 | 19.7S 178.1W | 587km | USCGS | |
| 28 | WN | eL | ZN 15 11 | | | | |
| | M | ZN | 13 | 3 32 | 6 28 | | |
| | RX | eL | N 15 11 | | | | |
| | eL | Z | 19 | | | 6 20 | |
| | M | N | 22 | | | | |
| 28 | KP | eP | Z 16 09 23 | | | | |
| | e | Z | 42 | | | | |
| | e | Z | 56 | | | | |
| | e(S) | Z | 10 55 | | | | |
| | CT | eP | Z 16 09 32 | | | | |
| | e(S) | Z | 11 07 | | | | |
| | WN | eP | ZNE 16 10 00 | | | | |
| | eS | ZNE | 12 01 | | | | |
| | eLq | NE | 12.6 | | | | |
| | eLr | Z | 13.3 | | | | |
| | M | NE | 13.8 | | | | |
| | M | Z | 14 | 4 18 | 5 26 | 7 22 | |
| | RX | eP | Z 16 11 18 | | | | |
| | eS | Z | 14 19 | | | | |
| | eLq | NE | 15 | | | | |
| | eLr | Z | 19 | | | | |
| | M | NE | 21 | | | | |
| | Origin: | | 16 07 19 | 31.2S 177.7W | 4 16 33km | 5 17 | USCGS |
| 28 | KP | eP | Z 17 06 53 | | | | |
| | e | Z | 08 47 | | | | |
| | CT | eP | Z 17 07 14 | | | | |
| | e | Z | 26 | | | | |
| | WN | eS | ZNE 17 09 34 | | | | |
| | Origin: | | 17 05 11 | 29.8S 178.4W | 182km | USCGS | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|-----|------------|--------------|-------|-------|-------|
| JAN 29 | KP | eP | Z | 01 35 10 | | | | |
| | CT | eP | Z | 01 35 46 | | | | |
| | Origin: | | | 01 31 05.5 | 21.8S 178.7W | 120km | USCGS | |
| 29 | KP | eP | Z | 09 33 57 | | | | |
| | epP | Z | | 34 30 | | | | |
| | CT | eP | Z | 09 34 01 | | | | |
| | epP | Z | | 35 | | | | |
| | WN | eSKS | NE | 09 44 28 | | | | |
| | eSP | Z | | 46 20 | | | | |
| | eLq | E | | 59 40 | | | 2 40 | |
| | eLr | ZNE | | 10 04.0 | 2 38 | 4 40 | 2 34 | |
| | RX | eSKS | N | 09 44 56 | | | | |
| | eS | E | | 45 44 | | | | |
| | e(Lr) | E | | 10 04.5 | | | | |
| | Origin: | | | 09 21 14.3 | 49.7N 154.9E | 126km | USCGS | |
| 29 | KP | eP | Z | 16 59 24 | | | | |
| | Origin: | | | 16 54 03.7 | 15.2S 173.4W | 33km | USCGS | |
| 29 | CT | eP | Z | 20 46 42 | | | | |
| | epP | Z | | 47 04 | | | | |
| | Origin: | | | 20 33 27.0 | 21.5S 68.6W | 73km | USCGS | |
| 29 | CT | eP | Z | 21 17 51 | | | | |
| | WN | eP | ZNE | 21 17 59 | | | | |
| | Origin: | | | 21 07 57.7 | 12.9N 143.2E | 144km | USCGS | |
| 30 | CT | eP | Z | 01 56 11 | | | | |
| | KP | eP | Z | 01 56 16 | | | | |
| | RX | e? | Z | 01 59 34 | | | | |
| 30 | KP | eP | Z | 06 18 38 | | | | |
| | e(PeP) | Z | | 19 05 | | | | |
| | Origin: | | | 06 08 25.4 | 00.2N 123.4E | 33km | USCGS | |
| 30 | KP | eP | Z | 10 04 22 | | | | |
| | Origin: | | | 09 51 23.7 | 50.8N 157.4E | 31km | USCGS | |
| 30 | RX | eP | Z | 10 22 06 | | | | |
| | ePP | Z | | 25 12 | 5 8 | | | |
| | eS | NE | | 31 56 | | 37 32 | 30 25 | 6.9 |
| | eSS | NE | | 37 20 | | 17 23 | 14 22 | |
| | eLq | E | | 43 | | | 34 30 | |
| | eLr | ZN | | 50 | | | | |
| | M | E | | 52 | | | 48 20 | 6.8 |
| | M | ZN | | 53 | 41 20 | 55 21 | | |
| | WN | eP | Z | 10 22 25 | 7 20 | | | 6.5 |
| | e | Z | | 50 | | | | |
| | eS | ZNE | | 32 28 | 5 26 | | | |
| | e(SP) | ZN | | 33 | 21 36 | 62 52 | | |
| | eSS | ZNE | | 37 50 | 23 55 | 33 26 | 22 40 | |
| | e(SSS) | ZNE | | 41 | 10 24 | 15 22 | 11 20 | |
| | eLq | NE | | 44 | | 18 68 | 60 43 | |
| | eLr | ZN | | 49 | 53 44 | 95 38 | | |
| | M | ZNE | | 56 | 36 19 | 47 18 | 30 20 | 6.7 |
| | CT | eP | Z | 10 22 28 | | | | |
| | eS | Z | | 23 01 | | | | |
| | KP | eP | Z | 10 22 34 | | | | |
| | e | Z | | 23 08 | | | | |
| | Origin: | | | 10 10 04.1 | 55.6S 28.3W | 33km | USCGS | 6 1/2 |
| 30 | KP | e(P) | Z | 10 29 38 | | | | |
| 30 | KP | e | Z | 10 48 53 | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|-----|------------|--------------|-------|-------|------|
| JAN 30 | CT | eP | Z | 10 57 41 | | | | |
| | KP | eP | Z | 10 57 46 | | | | |
| 30 | TU | eP | Z | 19 36 17 | | | | |
| | e(S) | Z | | 37 46 | | | | |
| | KP | eP | Z | 19 36 18 | | | | |
| | CT | eP | Z | 19 36 28 | | | | |
| | e | Z | | 46 | | | | |
| | e | Z | | 38 10 | | | | |
| | WN | eS | ZNE | 19 38 50 | | | | |
| | GP | eS | N | 19 39 55 | | | | |
| 31 | KP | eP | Z | 05 18 48 | | | | |
| | ePP | Z | | 21 52 | | | | |
| | WN | eP | Z | 05 18 52 | 1 8 | | | 6.1 |
| | e(pP) | Z | | 19 07 | | | | |
| | e | Z | | 30.4 | 2 36 | | | |
| | e(SS) | Z | | 33 56 | 1 26 | | | |
| | eLq | NE | | 44 | | | | |
| | eLr | Z | | 45 | | | | |
| | M | ZNE | | 46 | 7 36 | 7 26 | 8 36 | |
| | M | ZNE | | 50 | 6 24 | 13 24 | 5 20 | 6.4 |
| | CT | eP | Z | 05 18 53 | | | | |
| | RX | eP | Z | 05 19 04 | | | | |
| | e | NE | | 29.2 | | | 3 30 | 4 32 |
| | e | NE | | 30 38 | | | | 3 22 |
| | e | NE | | 34.4 | | | | 2 20 |
| | e | NE | | 41.0 | | | 2 24 | |
| | eLr | ZNE | | 46 | | | | |
| | M | ZNE | | 51 | 6 22 | 6 22 | 5 22 | 6.3 |
| | Origin: | | | 05 06 46.0 | 27.9N 126.3E | 33km | USCGS | |
| 31 | KP | eP | Z | 16 25 25 | | | | |
| | CT | eP | Z | 16 25 37 | | | | |
| | e | Z | | 28 47 | | | | |
| | Origin: | | | 16 21 52.8 | 21.5S 178.1W | 373km | USCGS | |
| 31 | CT | eP? | Z | 20 37 58 | | | | |
| | e(pP) | Z | | 38 10 | | | | |
| | Origin: | | | 20 31 50.1 | 10.6S 165.2E | 50km | USCGS | |
| FEB 1 | ON | eP | E | 08 51 16 | | | | |
| | TU | e | Z | 08 51 21 | | | | |
| | e(S) | Z | | 52 53 | | | | |
| | CT | e(P) | Z | 08 51 46 | | | | |
| | GP | eS | N | 08 55 09 | | | | |
| | Origin: | | | 08 49 14.4 | 30.6S 178.1W | 54km | USCGS | |
| 1 | CT | eP | Z | 09 51 35 | | | | |
| | GP | eP | N | 09 52 00 | | | | |
| | RX | eP | Z | 09 52 12 | | | | |
| | Origin: | | | 09 45 03.8 | 8.5S 159.1E | 144km | USCGS | |
| 1 | CT | eP | Z | 10 25 59 | | | | |
| | TU | e(pP) | Z | 26 12 | | | | |
| | e(P) | Z | | 10 26 05 | | | | |
| | e | Z | | 18 | | | | |
| | RX | e? | Z | 10 26 13 | | | | |
| | Origin: | | | 10 16 34.1 | 3.0S 131.0E | 33km | USCGS | |
| 1 | KP | P | Z | 22 46 24 | | | | |
| | Origin: | | | 22 42 15 | 19.8S 178.2W | 200km | USCGS | |
| 2 | CT | eP | Z | 04 56 10 | | | | |
| | e | Z | | 12 | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|----|----|----|------|-------|--------|-------|-------|
| FEB | WN | e(L) | Z | 05 | 02 | | | | | |
| | RX | eL | E | 05 | 07 | | | | | |
| | Origin: | | | 04 | 51 | 08.1 | 16.2S | 178.0E | 33km | USCGS |
| | 2 TU | e(P) | Z | 09 | 55 | 53 | | | | |
| | | e | Z | | 57 | 29 | | | | |
| | | e | Z | | | 34 | | | | |
| | KP | e? | Z | 09 | 56 | 08 | | | | |
| | | e | Z | | | 23 | | | | |
| | CT | e(P) | Z | 09 | 56 | 18 | | | | |
| | | e | Z | | | 30 | | | | |
| | | e | Z | | | 58 | | | | |
| | GP | eS | N | 09 | 59 | 41 | | | | |
| | WN | e(L) | Z | 10 | 01 | | | | | |
| | 2 ON | e | E | 11 | 52 | 38 | | | | |
| | KP | eP | Z | 11 | 52 | 51 | | | | |
| | | e | Z | | | 53 | | | | |
| | CT | eP | Z | 11 | 53 | 00 | | | | |
| | | e(S) | Z | | | 56 | | | | |
| | Origin: | | | 11 | 48 | 20.0 | 19.7S | 174.6W | 77km | USCGS |
| | 2 TU | e | Z | 13 | 53 | 45 | | | | |
| | | e | Z | | | 54 | | | | |
| | KP | eP | Z | 13 | 53 | 47 | | | | |
| | | e | Z | | | 55 | | | | |
| | CT | e | Z | 13 | 54 | 08 | | | | |
| | | e | Z | | | 55 | | | | |
| | GP | eS? | N | 13 | 57 | 08 | | | | |
| | 2 KP | e(P) | Z | 14 | 43 | 43 | | | | |
| | CT | e | Z | 14 | 44 | 04 | | | | |
| | WN | eL | Z | 14 | 54 | | | | | |
| | 2 KP | P? | Z | 16 | 45 | 28 u | | | | |
| | | e | Z | | | 39 | | | | |
| | Origin: | | | 16 | 38 | 48.2 | 7.1S | 155.7E | 96km | USCGS |
| | 2 KP | e? | Z | 18 | 15 | 52 | | | | |
| | Origin: | | | 18 | 01 | 13 | 51.3N | 179.1W | 33km | USCGS |
| | 3 KP | P | Z | 01 | 51 | 12 | | | | |
| | | e | Z | | | 34 | | | | |
| | | eS | Z | | | 47 | | | | |
| | GP | e(P) | N | 01 | 52 | 11 | | | | |
| | | e(S) | N | | | 55 | | | | |
| | TU | e(S) | Z | 01 | 53 | 52 | | | | |
| | WN | e | E | 01 | 54 | 42 | | | | |
| | Origin: | | | 01 | 48 | 00.5 | 23.9S | 179.7W | 500km | USCGS |
| | 4 KP | eP | Z | 01 | 24 | 31 | | | | |
| | | e | Z | | | 39 | | | | |
| | | e | Z | | | 26 | | | | |
| | TU | e | Z | 01 | 24 | 44 | | | | |
| | WN | eL | Z | 01 | 35 | | | | | |
| | | eL | Z | | | 39 | | | | |
| | | M | Z | | | 43 | | | | |
| | RX | eL | NE | 01 | 38 | | | | | |
| | | M | E | | | 42 | | | | |
| | | M | N | | | 48 | | | | |
| | Origin: | | | 01 | 17 | 03.1 | 6.3S | 149.1E | 36km | USCGS |
| | 4 KP | eP | Z | 09 | 21 | 31 | | | | |
| | Origin: | | | 09 | 17 | 20.0 | 17.4S | 178.8W | 552km | USCGS |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|----|------|------|-------|--------|-------|-------|
| FEB | 4 KP | eP | Z | 12 | 47 | 44 | | | | |
| | TU | e(P) | Z | 12 | 47 | 44 | | | | |
| | | eS | Z | | | 49 | | | | |
| | CT | e(P) | Z | 12 | 47 | 55 | | | | |
| | | e | Z | | | 49 | | | | |
| | | e | Z | | | 47 | | | | |
| | WN | eS | ZNE | 12 | 50 | 28 | | | | |
| | GP | eS | N | | | 51 | | | | |
| | 4 KP | eP | Z | 15 | 08 | 55 | | | | |
| | CT | e | Z | | | 09 | | | | |
| | WN | e(S) | ZN | 15 | 14.0 | | | | | |
| | | eL | ZN | | | 16 | | | | |
| | | M | Z | | | 18 | | | | |
| | RX | eL | NE | 15 | 16 | | | | | |
| | | M | E | | | 20 | | | | |
| | Origin: | | | 15 | 04 | 05.3 | 17.3S | 167.9E | 33km | USCGS |
| | 4 KP | eP | Z | 18 | 05 | 46 | | | | |
| | CT | e | Z | 18 | 06 | 02 | | | | |
| | Origin: | | | 18 | 00 | 41.4 | 16.5S | 173.6W | 33km | USCGS |
| | 4 KP | iP | Z | 18 | 57 | 12 | | | | |
| | | eS | Z | | | 40 | | | | |
| | TU | eP | Z | 18 | 57 | 15 | | | | |
| | | e | Z | | | 46 | | | | |
| | | e | Z | | | 52 | | | | |
| | CT | e P | Z | 18 | 57 | 16 | | | | |
| | | e(S) | Z | | | 44 | | | | |
| | | e | Z | | | 48 | | | | |
| | | e | Z | | | 58 | | | | |
| | TO | e | Z | 18 | 57 | 19 | | | | |
| | | eS | Z | | | 47 | | | | |
| | TA | eP | Z | 18 | 57 | 19 | | | | |
| | | e | Z | | | 32 | | | | |
| | | e | Z | | | 54 | | | | |
| | | e | Z | | | 57 | | | | |
| | | e | Z | | | 58 | | | | |
| | | e | Z | | | 05 | | | | |
| | | e | Z | | | 22 | | | | |
| | WN | P | ZNE | 18 | 57 | 34.1 | | | | 5.3 |
| | | eS | ZNE | | | 58 | | | | |
| | GP | eP | N | 18 | 58 | 05.1 | | | | 5.3 |
| | | eS | N | | | 59 | | | | |
| | | e | N | | | 30 | | | | |
| | KM | e | X | 18 | 58 | 10 | | | | 4.8 |
| | | eS | X | | | 59 | | | | |
| | RX | e(P) | Z | 18 | 58 | 39 | | | | |
| | | e(S) | Z | | | 60 | | | | |
| | Origin: | | | 18 | 56 | 34 | 37.8S | 176.1E | 280km | NZ(C) |
| | 4 KP | P | Z | 23 | 33 | 52 | | | | |
| | | epP | Z | | | 34 | | | | |
| | Origin: | | | 23 | 21 | 09.0 | 48.5N | 154.9E | 85km | USCGS |
| | 5 KP | P | Z | 01 | 57 | 47 | | | | |
| | | e(P) | Z | | | 58 | | | | |
| | Origin: | | | 01 | 47 | 49.8 | 0.0 | 123.8E | 164km | USCGS |
| | 5 KP | eP? | Z | 05 | 14 | 28 | | | | |
| | | e | Z | | | 30 | | | | |
| | CT | e(P) | Z | 05 | 14 | 35 | | | | |
| | RX | e? | Z | 05 | 14 | 57 | | | | |
| | Origin: | | | 05 | 04 | 03.4 | 19.2N | 147.1E | 38km | USCGS |
| | 5 KP | eP | Z | 14 | 05 | 05 | | | | |

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| FEB | | | | | | | |
| | TU | e | Z | | | | |
| | | eP? | Z | 14 05 | | | |
| | | e | Z | | | | |
| | | e(S) | Z | 06 36 | | | |
| | ON | e | E | 14 05 | | | |
| | CT | e(P) | Z | 14 05 | | | |
| | | e | Z | | | | |
| | | e(S) | Z | 06 59 | | | |
| | WN | eS | Z | 14 07 | | | |
| | Origin: | | | 14 03 16.6 | 31.8S 179.4W | 137km | USCGS |
| 5 | ON | eP | E | 19 31 | | | |
| | KP | eP | Z | 19 31 | | | |
| | | e | Z | | | | |
| | TU | eP | Z | 19 31 | | | |
| | | e | Z | | | | |
| | | e | Z | 32 30 | | | |
| | | eS | Z | | | | |
| | CT | eP | Z | 19 31 | | | |
| | | e | Z | | | | |
| | | e(S) | Z | 32 58 | | | |
| | TO | eP | Y | 19 31 | | | |
| | | e | Y | | | | |
| | | eS | Y | 32 57 | | | |
| | | e | Y | 33 11 | | | |
| | TA | e | Z | 19 31 | | | |
| | | e | Z | | | | |
| | | e(P) | Z | 19 31 | | | |
| | WN | e | Z | | | | |
| | | e | Z | 32 35 | | | |
| | | e | Z | 33 30 | | | |
| | | e | Z | | | | |
| | | eS | ZNE | 40 | | | |
| | | eL | Z | 35 | | | 6.7 |
| | GP | eP | N | 19 32 | | | |
| | | e | N | 34 42 | | | |
| | | eS | N | 46 | | | 6.2 |
| | KM | e | X | 19 32 | | | |
| | | eS | X | 34 37 | | | 5.8 |
| | RX | e | Z | 19 33 | | | |
| | | e | Z | 36 10 | | | |
| | | eL | NE | 38 | | | |
| | | M | E | 39 | | | |
| | Origin: | | | 19 29 28 | 32.4S 178.6W | N NZ(D) | 6.1 |
| | | | | 19 29 30.0 | 31.9S 179.0W | 68km | USCGS |
| 5 | WN | eP | Z | 20 51 | | | |
| | | S | ZE | 21 01 | 3 8 | | 6.4 |
| | | eSS | ZE | 06 36 | | | |
| | | eL | NE | 13 | | | |
| | | eL | ZNE | 16 | | | |
| | | M | ZNE | 22 | 6 16 | | |
| | CT | eP | Z | 20 51 | | | |
| | KP | eP | Z | 20 51 | | | |
| | | i | Z | 40 d | | | |
| | RX | eS | NE | 21 01 | | | 5 18 |
| | | eSS | NE | 06 | | | |
| | | eL | ZNE | 16 | | | |
| | | M | ZNE | 20 | 15 18 | 6 17 | 6.4 |
| | Origin: | | | 20 39 21.6 | 38.4S 73.2W | 41km | USCGS |
| 6 | KP | iP | Z | 01 19 | | | |
| | TU | iP | Z | 01 19 | | | |
| | | e | Z | | | | |
| | | e | Z | 20 12 | | | |
| | | eS | Z | 17 | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
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| FEB | | | | | | | |
| | CT | iP | Z | 01 19 | | | |
| | | eS | Z | 20 23 | | | |
| | TO | eP | Y | 01 19 | | | |
| | | e | Y | 45 | | | |
| | | eS | Y | 20 21 | | | |
| | ON | eP | E | 01 19 | | | |
| | | e | E | 44 | | | |
| | | e | E | 46 | | | |
| | | eS | E | 20 26 | | | |
| | TA | eP | Z | 01 19 | | | |
| | | e | Z | 45½ | | | |
| | | eS | Z | 50 | | | |
| | | e | Z | 20 29 | | | 5.4 |
| | WN | eP | Z | 01 20 | | | |
| | | e | Z | 06 | | | |
| | | eS | ZNE | 55 | | | |
| | GP | eP | N | 01 20 | | | |
| | | S | N | 30½ | | | 5.6 |
| | | eS | N | 21 50½ | | | 4.8 |
| | KM | eS | X | 01 21 | | | |
| | Origin: | | | 01 18 48 | 37.2S 176.6E | 350km | NZ(C) |
| 6 | CT | eP | Z | 01 33 | | | |
| | | eP | Z | 01 33 | | | |
| | WN | eS | ZE | 43 32 | 1 8 | | 5.9 |
| | | eSS | ZE | 49 | | | |
| | | eL | Z | 58 | | | |
| | | M | ZE | 02 04 | 2 16 | | |
| | KP | eP | Z | 01 33 | | | |
| | RX | e(S) | E | 01 43 | | | |
| | | eSS | E | 48 42 | | | |
| | | eL | ZNE | 57 | | | |
| | | M | E | 02 00 | | | |
| | Origin: | | | 01 21 29.0 | 38.4S 73.6W | 33km | 5 20 USCGS |
| 6 | KP | P | Z | 02 05 | | | |
| | | e | Z | 06 14 | | | |
| | CT | eP? | Z | 02 05 | | | |
| | | e | Z | 26 | | | |
| | RX | eP | Z | 02 06 | | | |
| | Origin: | | | 01 55 59.2 | 7.9S 119.9E | 306km | USCGS |
| 6 | KP | eP | Z | 02 39 | | | |
| | CT | e | Z | 02 40 | | | |
| | Origin: | | | 02 31 08.0 | 6.8S 123.5E | 637km | USCGS |
| 6 | KP | eP | Z | 05 49 | | | |
| | CT | eP | Z | 05 49 | | | |
| | Origin: | | | 05 41 23 | 5.3S 145.0E | 90km | USCGS |
| 6 | KP | iP | Z | 05 57 | | | |
| | CT | eP | Z | 05 58 | | | |
| | WN | eP | Z | 05 58 | | | |
| | RX | eP | Z | 05 59 | | | |
| | Origin: | | | 05 53 53.9 | 18.1S 177.6W | 500km | USCGS |
| 6 | KP | eP | Z | 10 28 | | | |
| | CT | eP | Z | 10 28 | | | |
| | WN | eS | ZNE | 10 35 | | | |
| | | eL | ZNE | 39 | | | |
| | | M | ZNE | 44 | 2 18 | | 3 19 |
| | RX | eL | E | 10 39 | | | |
| | Origin: | | | 10 20 25.5 | 3.5S 146.0E | 33km | USCGS |
| 6 | KP | eP | Z | 12 50 | | | |
| | CT | eP | Z | 12 50 | | | |
| | WN | e(P) | Z | 12 50 | | | |
| | | eL | ZNE | 55 | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-------|------------|--------------|-------|------------------|
| FEB | | M | ZN | 56 | 2 20 | 1 20 | |
| | RX | eP | Z | 12 51 27 | | | |
| | | e | E | 55 52 | | | |
| | Origin: | | | 12 46 26.7 | 22.28 171.3E | 101km | USCGS |
| 6 | WN | eL | ZN | 19 02 | | | |
| | | M | Z | 03 | 4 34 | | |
| | RX | eL | N | 19 09 | 1 22 | | |
| | Origin: | | | 18 17 10.9 | 55.6N 166.1E | 33km | USCGS 5.6 |
| 6 | CT | eP | Z | 21 56 20 | | | |
| | KP | P | Z | 21 56 23 | | | |
| | Origin: | | | 21 43 16.3 | 28.2S 67.4W | 19km | USCGS |
| 7 | KP | eP | Z | 01 27 45 | | | |
| | | e | Z | 53 | | | |
| | Origin: | | | 01 23 41.7 | 17.7S 178.7W | 559km | USCGS 4.3 |
| 7 | KP | e(P) | Z | 02 16 38 | | | |
| | Origin: | | | 02 06 36.0 | 8.2S 119.4E | 51km | USCGS |
| 7 | WN | eL | Z | 03 41 | | | |
| | | M | ZN | 43 | 1 20 | 2 19 | |
| | Origin: | | | 03 29 41.9 | 39.6S 147.9E | 33km | USCGS 5.0 |
| 7 | RX | eL | ZNE | 09 24 | | | |
| | WN | eL | ZNE | 09 26 | | | |
| 7 | KP | eP | Z | 15 49 50 | | | |
| | Origin: | | | 15 44 28.4 | 15.2S 173.6W | 33km | USCGS 4.5 |
| 7 | ON | e? | E | 17 11 10 | | | |
| | | e | E | 25 | | | |
| | TU | e(P) | Z | 17 11 18 | | | |
| | | e | Z | 45 | | | |
| | | e(S) | Z | 13 37 | | | |
| | KP | eP? | Z | 17 11 29 | | | |
| | | e | Z | 36 | | | |
| | WN | eS | NE | 17 14 45 | | | |
| | | eL | ZE | 16 | | | |
| | | M | E | 17 | | 3 20 | |
| | RX | eL | NE | 17 19 | | | |
| | | M | E | 20 | | 4 20 | |
| | Origin: | | | 17 08 18 | 26.5S 176.6W | 33km | USCGS 5.4 4.8 |
| 8 | ON | eP? | E | 02 31 48 | | | |
| | KP | eP | Z | 02 32 01 | | | |
| | TU | e(S) | Z | 02 34 04 | | | |
| | WN | eS | NE | 02 35 10 | | | |
| | | eL | ZN | 37 | | | |
| | | M | ZN | 39 | 2 10 | | |
| | RX | eL | NE | 02 39 | | | |
| | | M | E | 40 | | 4 21 | |
| | | eL | Z | 41 | | | |
| | Origin: | | | 02 29 00.4 | 26.9S 176.7W | 190km | USCGS 4.0 |
| 8 | RX | eL | E | 13 15 | | | |
| 8 | KP | eP | Z | 18 22 46 | | | |
| | Origin: | | | 18 18 07.3 | 12.9S 170.2E | 628km | USCGS |
| 9 | KP | eP | Z | 08 12 45 | | | |
| | Origin: | | | 07 59 52.9 | 51.2N 179.8W | 33km | USCGS 4.5 |
| 9 | KP | P | Z | 08 41 30 u | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-------|------------|--------------|---------|-----------|
| FEB | CT | eP | Z | 08 41 42 | | | |
| | RX | e(P) | Z | 08 42 27 | | | |
| | Origin: | | | 08 36 25.5 | 15.0S 167.4E | 127km | USCGS 4.5 |
| 9 | KP | eP | Z | 16 17 35 | | | |
| | Origin: | | | 16 05 03.0 | 43.7N 150.6E | 33km | USCGS 4.8 |
| 9 | ON | eP | E | 16 55 28 | | | |
| | | e(Pg) | E | 48 | | | |
| | | e(S) | E | 56 05 | | | |
| | | e(S*) | E | 23 | | | |
| | KP | iP | Z | 16 55 28 | | | |
| | | e | Z | 32 | | | |
| | | e(S) | Z | 56 11 | | | |
| | TU | eP | Z | 16 55 32 | | | |
| | | e(P*) | Z | 40 | | | |
| | | e(Pg) | Z | 45 | | | |
| | | e(S) | Z | 56 16 | | | |
| | CT | eP | Z | 16 55 43 | | | |
| | | e(P*) | Z | 55 | | | |
| | | e(Pg) | Z | 56 04 | | | |
| | TO | e | Y | 16 55 45 | | | |
| | | e(P*) | Y | 57 | | | |
| | | e(Pg) | Y | 56 09 | | | |
| | | e | Y | 20 | | | |
| | TA | eP | Z | 17 55 52 | | | |
| | | eP* | Z | 56 02 | | | |
| | WN | e | Z | 16 56 16 | | | |
| | | e | Z | 40 | | | |
| | | e(S) | ZE | 57 20 | | | |
| | | e | ZN | 25 | | | |
| | | eL | E | 58 | | | |
| | | eL | ZN | 58 1/2 | | | |
| | CB | eP | E | 16 56 24 | | | |
| | | e(S) | E | 57 51 | | | |
| | | e | E | 58 01 | | | |
| | KM | e(P) | X | 16 56 48 | | | |
| | | e(S) | X | 58 35 | | | |
| | GP | eP? | N | 16 56 48 | | | |
| | | e | N | 55 | | | |
| | | e(PP) | N | 57 07 | | | |
| | | eS | N | 58 27 | | | |
| | RX | e(P) | Z | 16 57 34 | | | |
| | | e | Z | 58 04 | | | |
| | | e | Z | 16 | | | |
| | | eL | NE | 17 00 | | | |
| | | M | E | 01 | | | |
| | Origin: | | | 16 54.6 | 35.4S 178.6E | 8 NZ(D) | 5.0 |
| | | | | 16 55 00 | 35.9S 177.9E | 172km | USCGS 4.8 |
| 9 | KP | eP | Z | 17 11 01 | | | |
| | Origin: | | | 17 07 59.2 | 24.0S 179.1E | 550km | USCGS 4.7 |
| 9 | KP | P | Z | 17 39 22 | | | |
| | TU | e(P) | Z | 17 39 27 | | | |
| 9 | KP | P | Z | 20 14 03 | | | |
| | TU | e(P) | Z | 20 14 06 | | | |
| | CT | eP | Z | 20 14 20 | | | |
| | TA | e(P) | Z | 20 14 27 | | | |
| 9 | KP | eP | Z | 21 37 41 | | | |
| | | e | Z | 48 | | | |
| | TU | eP | Z | 21 37 45 | | | |
| | CT | eP | Z | 21 37 58 | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-------|------------|--------------|-------------|------|
| FEB | | e? | Z | 43 39 | | | |
| | 9 TU | e(S) | Z | 23 08 44 | | | |
| | Origin: | | | 23 01 18.5 | 21.7S 176.9W | 66km USCGS | 4.8 |
| | 10 KP | P | Z | 07 42 06 | | | |
| | CT | eP | Z | 07 42 13 | | | |
| | WN | eP | Z | 07 42 34 | | | |
| | Origin: | | | 07 37 43.9 | 17.3S 177.4W | 343km USCGS | 4.7 |
| | 10 KP | eP | Z | 11 28 15 | | | |
| | Origin: | | | 11 22 59.4 | 14.1S 167.1E | 132km USCGS | |
| | 10 KP | eP | Z | 21 48 22 | | | |
| | e | Z | | 48 | | | |
| | Origin: | | | 21 35 48.7 | 44.6N 147.8E | 67km USCGS | 5.0 |
| | 11 ON | eP | E | 04 38 23 | | | |
| | eS | E | | 39 52 | | | |
| | KP | P | Z | 04 38 34 | | | |
| | e(S) | Z | | 40 16 | | | |
| | CT | eP | Z | 04 38 44 | | | |
| | e | Z | | 40 40 | | | |
| | WN | e | Z | 04 39 05 | | | |
| | eS | ZNE | | 41 13 | | | |
| | GP | e(P) | N | 04 39 36 | | | |
| | e(S) | N | | 42 05 | | | |
| | e | N | | 11 | | | |
| | RX | eP | Z | 04 40 01 | | | |
| | Origin: | | | 04 36 30.4 | 29.8S 179.1E | 528km USCGS | 4.5 |
| | 11 KP | eP? | Z | 07 20 06 | | | |
| | Origin: | | | 07 16 14.2 | 19.7S 177.7W | 543km USCGS | 4.7 |
| | 11 KP | eP | Z | 10 59 21 | | | |
| | CT | e | Z | 11 01 59 | | | |
| | Origin: | | | 10 56 24.8 | 24.6S 179.8E | 491km USCGS | 4.5 |
| | 11 KP | eP | Z | 12 27 31 | | | |
| | WN | e(L) | Z | 36 | | | |
| | Origin: | | | 12 22 26 | 15.7S 174.7W | 33km USCGS | |
| | 11 ON | e | E | 21 13 23 | | | |
| | KP | e? | Z | 21 13 37 | | | |
| | TU | e(S) | Z | 21 15 24 | | | |
| | CT | e? | Z | 21 16 00 | | | |
| | WN | eL | Z | 21 20 | | | |
| | RX | eL | NE | 21 20 | | | |
| | 12 ON | eP | E | 23 11 17 | | | |
| | KP | eP | Z | 23 11 30 u | | | |
| | e | Z | | 12 48 | | | |
| | e | Z | | 15 05 | | | |
| | CT | eP | Z | 23 11 38 | | | |
| | e(S) | Z | | 15 04 | | | |
| | WN | eP | Z | 23 11 58 | | | |
| | e(S) | ZNE | | 15 30 | | | |
| | RX | eP | Z | 23 12 45 | | | |
| | e(pP) | Z | | 14 23 | | | |
| | e(S) | Z | | 17 02 | | | |
| | Origin: | | | 23 07 28.9 | 17.8S 178.6W | 583km USCGS | |
| | 13 AK | e(P) | N | 09 02 05 | | | |
| | eS | N | | 11 55 | | | |
| | M | N | | 32 | | | |

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| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
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| FEB | TO | e? | Y | 09 02 08 | | | |
| | e | Y | | 17 | | | |
| | eS | Z | | 12 17 | | | |
| | P | Z | | 09 02 09 | | | |
| | ePP | Z | | 05.4 | | | |
| | eL | Z | | 30 | | | |
| | TA | eP | Z | 09 02 11 | | | |
| | TU | eP | Z | 09 02 17 | | | |
| | WN | eP? | Z | 09 02 17 | | | |
| | i | Z | | 18 u | | | |
| | e | ZNE | | 19 | | 5 26 | |
| | e | Z | | 34 | | | |
| | e | ZNE | | 05 30 | | | |
| | s | ZNE | | 12 24 | | | |
| | eSS | E | | 17.4 | | | |
| | eL | NE | | 24.2 | | | |
| | M | N | | 34 | | 35 22 | |
| | e | E | | 09 02 19 | | | |
| | eS | E | | 12 15 | | | |
| | e(PS) | E | | 13 05 | | | |
| | RX | eP | Z | 09 02 21 u | 7 5 | | 7.0 |
| | e | Z | | 32 | | | |
| | eS | NE | | 12 32 | | 35 12 | 7.4 |
| | e(PS) | NE | | 13 38 | | | |
| | eSS | NE | | 17 55 | | | |
| | eLq | NE | | 24 | | | |
| | eLr | ZNE | | 30 | | | |
| | M | NE | | 32 | | 80 25 | |
| | M | ZN | | 36 | | | |
| | GP | eP | N | 09 02 23 | 45 22 | 40 22 | 6.8 |
| | e | N | | 41 | | | |
| | eS | N | | 12 34 | | | |
| | e(PS) | N | | 13 25 | | | |
| | ON | e(S) | E | 09 11 51 | | | |
| | Origin: | | | 08 50 02.2 | 24.5N 121.8E | 33km USCGS | 7.1 |
| | 13 KP | eP | Z | 09 42 45 | | | |
| | CT | eP | Z | 09 42 47 | | | |
| | e | Z | | 54 | | | |
| | RX | eP | Z | 09 42 54 | | | |
| | Origin: | | | 09 30 34.6 | 24.8N 121.7E | 33km USCGS | 5.4 |
| | 13 KP | eP | Z | 18 20 10 | | | |
| | e(PcP) | Z | | 23 10 | | | |
| | e(PcS) | Z | | 26 49 | | | |
| | CT | eP | Z | 18 20 18 | | | |
| | WN | 1P | Z | 18 20 34 | | | |
| | 1S | NE | | 25 52 | | | |
| | e(L) | ZE | | 27 52 | | | |
| | M | ZE | | 32 | | 46 23 | |
| | RX | e(P) | N | 18 20 56 | | | |
| | e | Z | | 21 06 | | | |
| | eS | NE | | 26 36 | | 15 22 | 6.4 |
| | eL | NE | | 30 | | | |
| | eL | Z | | 31 | | | |
| | M | N | | 32 | | 55 22 | 6.4 |
| | Origin: | | | 18 13 55.1 | 9.9S 100.8E | 29km USCGS | 5.8 |
| | 13 KP | eP | Z | 19 14 13 | | | |
| | CT | eP | Z | 19 14 19 | | | |
| | Origin: | | | 19 02 06.7 | 24.6N 122.1E | 33km USCGS | 5.0 |
| | 13 KP | eP? | Z | 23 56 46 | | | |
| | Origin: | | | 23 46 27.6 | 19.6N 143.7E | 156km USCGS | 3.9 |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
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| FEB 14 | KP | e(P) | Z | 06 | 54 | 47 | | | | | |
| | CT | e(P) | Z | 06 | 54 | 54 | | | | | |
| | WN | eL | Z | 07 | 04 | | | | | | |
| | RX | eL | NE | 07 | 05 | | | | | | |
| | | M | E | 07 | | | | 20 20 | 25 20 | | |
| | Origin: | | | 06 | 48 | 30.3 | 10.1S | 160.3E | 64km | USCGS | 6.2 5.1 |
| | 14 RX | eP | Z | 07 | 13 | 33 | | | | | |
| | | e | Z | | 14 | 37 | | | | | |
| | | e(S) | NE | | 21.0 | | | | | | |
| | | e | NE | | 25.8 | | | | | | |
| | M | E | | 36 | | | | 30 20 | | | |
| | KP | iP | Z | 07 | 13 | 37 u | | | | | |
| | CT | eP | Z | 07 | 13 | 41 u | | | | | |
| | | e | Z | | 49 | | | | | | |
| | WN | P | Z | 07 | 13 | 42 u | | | | | |
| | | e | Z | | 53 | | | | | | |
| | | e | Z | | 14 | 33 | | | | | |
| | | e(S) | ZNE | | 21.0 | | | | | | |
| | Origin: | | | 07 | 04 | 40.8 | 7.2S | 128.2E | 197km | USCGS | 5.8 |
| 14 KP | eP | Z | 12 | 48 | 09 | | | | | | |
| | CT | eP | Z | 12 | 48 | 24 | | | | | |
| | WN | eL | Z | 12 | 56 | | 1 20 | | | | |
| Origin: | | | 12 | 43 | 23.5 | 17.7S | 168.0E | 33km | USCGS | | |
| 14 WN | eL | ZNE | 13 | 12 | | | | | | | |
| | M | ZNE | | 20 | | | | 2 23 | | | |
| | RX | eL | NE | 13 | 20 | | | | 2 19 | | |
| | M | E | | 23 | | | | | | | |
| 14 KP | eP? | Z | 14 | 43 | 14 | | | | | | |
| | e | Z | | | 20 | | | | | | |
| | CT | eP | Z | 14 | 43 | 26 | | | | | |
| | WN | eL | Z | 14 | 51 | | | | | | |
| | RX | eL | E | 14 | 52 | | | | | | |
| | Origin: | | | 14 | 38 | 31.5 | 17.9S | 167.6E | 40km | USCGS | |
| 14 KP | eP | Z | 15 | 36 | 13 | | | | | | |
| | CT | eP | Z | 15 | 36 | 22 | | | | | |
| | Origin: | | | 15 | 29 | 58.2 | 9.8S | 160.6E | 25km | USCGS | 5.0 |
| 14 WN | eL | Z | 17 | 50 | | 1 19 | | | | | |
| | RX | eL | E | 17 | 52 | | | | | | |
| 14 KP | eP | Z | 21 | 55 | 04 | | | | | | |
| | e | Z | | | 29 | | | | | | |
| | e | Z | | 57 | 21 | | | | | | |
| | CT | e(P) | Z | 21 | 55 | 16 | | | | | |
| | WN | eP | Z | 21 | 55 | 38 | | | | | |
| | | e | ZNE | | 59 | 20 | | | | | |
| | | e | NE | | 52 | | | | | | |
| | | eL | NE | 22 | 01 | | | | 7 20 | | |
| | | M | Z | | 03 | | 7 16 | | | | |
| | | RX | e | NE | 21 | 54 | 54 | | | 4 17 | |
| | e | NE | 22 | 00 | 32 | | | | 5 19 | | |
| | eL | N | | 03 | | | | | | | |
| | M | N | | 04 | | | | | | | |
| Origin: | | | 21 | 51 | 12.7 | 22.1S | 170.3E | 33km | USCGS | 4.5 | |
| 14 KP | eP | Z | 22 | 03 | 20 | | | | | | |
| | CT | eP? | Z | 22 | 03 | 33 | | | | | |
| | e | Z | | | 38 | | | | | | |
| | RX | e | Z | 22 | 04 | 59 | | | | | |
| | eL | N | | 11 | | | | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|---------|---------|-------|----|----|------|------|-------|--------|--------|-------|-------|
| FEB | WN | M | Z | | 11 | | 6 16 | | | | |
| | Origin: | | | 21 | 59 | 34.3 | 22.0S | 170.1E | 47km | USCGS | |
| 14 KP | iP | Z | 22 | 15 | 52 u | | | | | | |
| | i | Z | | 17 | 40 d | | | | | | |
| | CT | eP? | Z | 22 | 15 | 57 | | | | | |
| | i | Z | 22 | 16 | 04 u | | | | | | |
| | WN | eP | Z | | 29 | | | | | | |
| | | eL | ZE | | 32 | | | | 3 20 | | |
| | | M | Z | 22 | 16 | 15 | | | | | |
| | | e | Z | | 34 | | | | | | |
| | | eL | N | | 28 | | | | | | |
| | Origin: | | | 22 | 07 | 54.3 | 5.0S | 144.6E | 80km | USCGS | 6.0 |
| 14 KP | eP | Z | 22 | 50 | 53 | | | | | | |
| | CT | e(P) | Z | 22 | 50 | 58 | | | | | |
| | Origin: | | | 22 | 41 | 51.1 | 3.1S | 134.3E | 49km | USCGS | 4.6 |
| 15 KP | e(P) | Z | 00 | 11 | 02 | | | | | | |
| | CT | eP | Z | 00 | 11 | 14 | | | | | |
| | WN | eP | Z | 00 | 11 | 37 | | | | | |
| | eL | Z | | 17 | | | | | | | |
| | M | Z | | 19 | | | | | | | |
| Origin: | | | 00 | 07 | 11.0 | 1 16 | | 22.2S | 170.3E | 33km | USCGS |
| 15 KP | eP | Z | 00 | 14 | 10 | | | | | | |
| | e | Z | | 58 | | | | | | | |
| 15 ON | P | E | 00 | 50 | 19 | | | | | | |
| | e(S) | E | | 51 | 27 | | | | | | |
| | e | E | | 29 | | | | | | | |
| | TU | eP | Z | 00 | 50 | 21 | | | | | |
| | e | Z | | | 22 | | | | | | |
| | e | Z | | | 23 | | | | | | |
| | e | Z | | | 30 | | | | | | |
| | e(S) | Z | | 51 | 30 | | | | | | |
| | e | Z | | | 32 | | | | | | |
| | e | Z | | | 35 | | | | | | |
| KP | eP? | Z | 00 | 50 | 23 | | | | | | |
| | e | Z | | 24 | | | | | | | |
| | e | Z | | 52 | | | | | | | |
| | e | Z | | 51 | 52 | | | | | | |
| | CT | eP | Z | 00 | 50 | 36 | | | | | |
| | i | Z | | | 40 d | | | | | | |
| | i | Z | | | 49 | | | | | | |
| | iS | Z | | 51 | 57 u | | | | | | |
| | e | Z | | 52 | 33 | | | | | | |
| | TO | e | Y | 00 | 50 | 37 | | | | | |
| e | Y | | | 49 | | | | | | | |
| e | Y | | 52 | 08 | | | | | | | |
| e | Y | | | 18 | | | | | | | |
| e | Y | | | 27 | | | | | | | |
| TA | eP | Z | 00 | 50 | 46 | | | | | | |
| | e | Z | | 54 | | | | | | | |
| | e | Z | | 51 | 16 | | | | | | |
| | e | Z | | | 38 | | | | | | |
| | e | Z | | 52 | 45 | | | | | | |
| | e | Z | | | 57 | | | | | | |
| | WN | eP | Z | 00 | 51 | 01 | | | | | |
| | e | Z | | | 28 | | | | | | |
| | e | NE | | 52 | 39 | | | | | | |
| | e(S) | ZN | | | 42 | | | | | | |
| e | N | | 53 | 21 | | | | | | | |
| e(L) | Z | | 54 | 16 | | | | | | | |
| CB | e? | E | 00 | 51 | 25 | | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|---------|------|-------|----|----|----------|--------------|---------|-------|------|
| PFB | e | E | | | 56 | | | | |
| | eS | E | | | 53 00 | | | | 5.5 |
| | e | E | | | 54 04 | | | | |
| GP | e(P) | N | 00 | 51 | 42 | | | | |
| | eS | N | | | 53 47 | | | | |
| RX | e | Z | 00 | 52 | 31 | | | | 6.1 |
| | e | Z | | | 55 01 | | | | |
| | eL | NE | | | 56 | | | | |
| | M | E | | | 57 | | | | |
| | M | N | | | 58 | | | | |
| KM | e | X | 00 | 53 | 37 | | | | |
| | e | X | | | 42 | | | | |
| Origin: | | | 00 | 48 | 52 | 33.7S 179W | N NZ(D) | | 5.7 |
| | | | 00 | 48 | 51.9 | 33.2S 179.2W | 42km | USCGS | 5.6 |
| | | | | | | | | | 5.3 |
| 15 | KP | eP | Z | 02 | 10 | 45 | | | |
| 15 | KP | e(P) | Z | 03 | 12 | 10 | | | |
| | CT | e? | Z | 03 | 12 | 26 | | | |
| Origin: | | | 03 | 08 | 31 | 21.7S 169.4E | 35km | USCGS | |
| 15 | KP | e(P) | Z | 05 | 43 | 46 | | | |
| | CT | eP | Z | 05 | 44 | 01 | | | |
| | WN | eP | Z | 05 | 44 | 22 | | | |
| | e | Z | | | 48 12 | | | | |
| | eL | Z | | | 49 1/2 | | | | |
| | M | Z | | | 52 | | 2 16 | | |
| RX | eL | NE | 05 | 52 | | | | | |
| | M | N | | | 53 | | 1 18 | | |
| Origin: | | | 05 | 39 | 57.2 | 22.0S 170.5E | 33km | USCGS | 5.0 |
| 15 | KP | e(P) | Z | 06 | 59 | 43 | | | |
| | e | Z | | | 07 01 33 | | | | |
| | CT | eP? | Z | 06 | 59 | 58 | | | |
| | e | Z | | | 07 00 04 | | | | |
| RX | e | Z | 07 | 01 | 02 | | | | |
| | i | Z | | | 02 29 u | | | | |
| | eL | N | | | 11 | | | | |
| | M | N | | | 14 | | | | |
| WN | e(L) | Z | 07 | 06 | | | | | |
| | M | Z | | | 12 | | 3 16 | | |
| Origin: | | | 06 | 54 | 51.8 | 14.9S 178.7W | 33km | USCGS | 5.0 |
| 15 | KP | eP | Z | 07 | 18 | 04 | | | |
| | CT | e(P) | Z | 07 | 18 | 15 | | | |
| Origin: | | | 07 | 14 | 51.9 | 23.5S 180.0 | 519km | USCGS | 4.6 |
| 15 | KP | eP | Z | 09 | 25 | 36 | | | |
| | CT | eP? | Z | 09 | 25 | 50 | | | |
| | e | Z | | | 53 | | | | |
| | WN | eL | ZE | 09 | 30 | | | | |
| | M | Z | | | 31 | | 1 20 | | |
| RX | eL | NE | 09 | 33 | | | | | |
| | M | E | | | 34 | | | | |
| | M | E | | | 34 | | | | |
| KP | eP | Z | 16 | 41 | 50 | | | | |
| | e | Z | | | 42 06 | | | | |
| | CT | eP | Z | 16 | 41 | 50 | | | |
| | e | Z | | | 42 04 | | | | |
| Origin: | | | 16 | 29 | 19.0 | 4.3N 96.3E | 33km | USCGS | 5.7 |
| 15 | KP | eP | Z | 18 | 40 | 42 | | | |
| Origin: | | | 18 | 30 | 36.0 | 15.4S 174.3W | 140km | USCGS | 5.0 |
| 16 | KP | eP | Z | 05 | 54 | 42 1/2 | | | |
| Origin: | | | 05 | 44 | 27.5 | 5.7N 126.5E | 133km | USCGS | 4.3 |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
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| 16 | KP | eP | Z | 08 | 35 | 22 | | | |
| | CT | e(P) | Z | 08 | 35 | 36 | | | |
| | RX | eP | Z | 08 | 36 | 37 | | | |
| Origin: | | | 08 | 31 | 17.5 | 17.7S 178.6W | 534km | USCGS | 4.5 |
| 16 | KP | eP | Z | 08 | 42 | 50 | | | |
| Origin: | | | 08 | 31 | 51.1 | 9.7N 122.5E | 28km | USCGS | |
| 16 | RX | eP | Z | 10 | 55 | 27 | | | |
| | e(PcP) | Z | | | 56 08 | | | | |
| | WN | P | Z | 10 | 55 | 42 d | | | |
| | KP | 1P | Z | 10 | 55 | 42 d | | | |
| | (PcP) | Z | | | 56 18 | | | | |
| | epP | Z | | | 57 43 | | | | |
| | e(sP) | Z | | | 58 35 | | | | |
| | e | Z | | | 59 22 | | | | |
| | CT | eP | Z | 10 | 55 | 43 | | | |
| Origin: | | | 10 | 46 | 22.0 | 7.0S 117.3E | 561km | USCGS | 4.6 |
| 16 | KP | eP | Z | 12 | 20 | 56 | | | |
| | e | Z | | | 21 32 | | | | |
| | CT | eP | Z | 12 | 21 | 04 | | | |
| Origin: | | | 12 | 12 | 39.1 | 0.6S 147.5E | 33km | USCGS | 5.0 |
| 16 | KP | eP | Z | 13 | 25 | 59 | | | |
| Origin: | | | 13 | 22 | 13.8 | 19.9S 178.3E | 562km | USCGS | 4.5 |
| 16 | KP | e(P) | Z | 17 | 58 | 44 | | | |
| Origin: | | | 17 | 54 | 41.4 | 17.8S 178.5W | 564km | USCGS | 4.4 |
| 16 | KP | eP | Z | 23 | 45 | 04 | | | |
| | TU | eP | Z | 23 | 45 | 16 | | | |
| Origin: | | | 23 | 37 | 07.6 | 5.0S 144.5E | 82km | USCGS | 4.6 |
| 17 | RX | e(L) | NE | 04 | 22 | | | | |
| 17 | KP | eP | Z | 07 | 01 | 23 | | | |
| | TU | e(P) | Z | 07 | 01 | 36 | | | |
| Origin: | | | 06 | 53 | 20.3 | 4.8S 144.2E | 35km | USCGS | 5.7 |
| 17 | KP | PKP | Z | 08 | 48 | 08 1/2 | | | |
| Origin: | | | 08 | 28 | 24.9 | 42.1N 37.2E | 33km | USCGS | 4.8 |
| 17 | KP | eP | Z | 17 | 14 | 38 | | | |
| | WN | e? | Z | 17 | 15 | 10 | | | |
| | e(L) | Z | | | 30 | | | | |
| Origin: | | | 17 | 10 | 13.6 | 17.1S 176.7W | 70km | USCGS | 4.9 |
| 17 | KP | eP | Z | 19 | 29 | 37 | | | |
| | i | Z | | | 41 d | | | | |
| | e(S) | Z | | | 32 13 | | | | |
| | TU | e(P) | Z | 19 | 29 | 42 | | | |
| | WN | eP | Z | 19 | 30 | 09 | | | |
| | e(S) | E | | | 33 08 | | | | |
| | e | ZN | | | 10 | | | | |
| Origin: | | | 19 | 26 | 31.5 | 23.9S 179.8W | 520km | USCGS | 5.1 |
| 18 | CT | e? | Z | 14 | 23 | 11 | | | |
| | KP | e(P) | Z | 14 | 23 | 31 | | | |
| | e | Z | | | 38 | | | | |
| | WN | e? | Z | 14 | 24 | 54 | | | |
| | eL | ZNE | | | 44 | | | | |
| | M | Z | | | 45 | | | | |
| | RX | eL? | E | 14 | 44 | | | 4 22 | |
| Origin: | | | 14 | 12 | 36.0 | 36.2S 90.4W | 33km | USCGS | 5.2 |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|--------------|-------|--------|-------|----------------|
| FEB 18 | TU | eP | Z 14 53 56 | | | | |
| | | e | Z 14 55 42 | | | | |
| | | e(s) | Z 14 55 47 | | | | |
| | ON | e(P) | E 14 54 02 | | | | |
| | KP | e(P) | Z 15 54 04 | | | | |
| | | e | Z 15 54 16 | | | | |
| | | e | Z 15 54 37 | | | | |
| | GP | e | N 14 55 34 | | | | |
| | | eS | N 14 58 00 | | | | |
| | WN | eS | ZNE 14 56 48 | | | | |
| | | eL | E 15 58 | | | | |
| | | M | Z 15 00 | | | | |
| | RX | eL | E 15 01 | | | | |
| | Origin: | | 14 51 39.7 | 30.18 | 177.2W | 33km | 1 20 USCGS 4.8 |
| 18 | KP | eP | Z 15 50 19 | | | | |
| | CT | e(P) | Z 15 50 26 | | | | |
| | Origin: | | 15 40 07.7 | 1.5N | 125.8E | 41km | USCGS 4.3 |
| 18 | WN | e(L) | Z 22 28 | | | | |
| | | M | Z 22 33 | | 1 20 | | |
| | RX | eL | NE 22 29 | | | | |
| | | M | N 22 30 | | 1 21 | | |
| 19 | KP | eP | Z 12 02 58 | | | | |
| | WN | eL | Z 12 09 | | | | |
| | | M | Z 12 10 | | 1 20 | | |
| | Origin: | | 11 59 23.3 | 22.2S | 171.4E | 105km | USCGS 4.4 |
| 19 | KP | eP | Z 15 37 04 | | | | |
| | Origin: | | 15 28 20.1 | 6.2S | 128.1E | 370km | USCGS 5.3 |
| 19 | KP | eP | Z 16 51 46 | | | | |
| | RX | eL | NE 17 20 | | | | |
| | | M | N 17 22 | | 1 20 | | |
| | Origin: | | 16 39 51.1 | 55.3S | 28.8W | 33km | USCGS 5.6 |
| 19 | KP | eP | Z 18 43 37 | | | | |
| | | e | Z 18 44 42 | | | | |
| 20 | KP | eP | Z 06 50 14 | | | | |
| | TA | eP | Z 06 50 30 | | | | |
| | Origin: | | 06 46 19.5 | 17.2S | 178.2W | 612km | USCGS 4.4 |
| 20 | KP | eP | Z 07 48 31 | | | | |
| | WN | e? | Z 07 48 33 | | | | |
| | Origin: | | 07 41 22.1 | 6.3S | 154.0E | 37km | USCGS 5.1 |
| 20 | KP | eP | Z 08 47 47 | | | | |
| | | e | Z 08 48 09 | | | | |
| | TU | e(P) | Z 08 48 03 | | | | |
| | WN | eP | Z 08 48 20 | | | | |
| | | e | Z 08 52 10 | | | | |
| | | e | E 08 52 | | | | |
| | | eL | NE 08 53 16 | | | | |
| | | M | ZNE 08 57 | | | | |
| | RX | e | NE 08 53 | | | | |
| | | eL | NE 08 55 19 | | | | |
| | | eL | ZE 08 57 | | | | |
| | | M | N 08 58 | | | | |
| | Origin: | | 08 44 00.9 | 22.3S | 170.5E | 33km | USCGS 5.0 |
| 20 | KP | e? | Z 12 41 10 | | | | |
| 20 | WN | eS | ZN 17 28 04 | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
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| FEB | | e(PS) | E 14 31 12 | | | | |
| | | e | Z 14 32 0 | | | | |
| | | eSS | NE 14 36 | | | | |
| | | eLq | Z 14 39 | | | | |
| | | eLr | Z 14 40.9 | | | | |
| | | eL | ZNE 14 42 | | | | |
| | | M | ZNE 14 42 | | | | |
| | RX | e(s) | NE 17 28.5 | | | | |
| | | eL | N 17 38 | | | | |
| | | eL | ZNE 17 40 | | | | |
| | | M | NE 17 42 | | | | |
| | Origin: | | 17 07 32.5 | 45.7S | 78.3W | 33km | 5 21 USCGS 6.1 |
| 21 | KP | eP | Z 02 45 20 | | | | |
| | CT | eP | Z 02 45 26 | | | | |
| | Origin: | | 02 33 35.9 | 33.4N | 139.2E | 168km | USCGS |
| 21 | KP | eP | Z 13 20 27 | | | | |
| | Origin: | | 13 16 05.6 | 20.6S | 175.1W | 33km | USCGS 5.2 |
| 21 | KP | eP | Z 14 32 56 | | | | |
| | WN | eP | Z 14 33 31 | | | | |
| | | eL | Z 14 39 | | | | |
| | | M | Z 14 40 | | | | |
| | | M | Z 14 42 | | | | |
| | RX | eL | E 14 41 | | | | |
| | | eL | N 14 43 | | | | |
| | | M | E 14 44 | | | | |
| | Origin: | | 14 28 29 | 20.5S | 173.9W | 29km | 7 18 USCGS 5.0 |
| 21 | WN | eL | Z 18 29 | | | | |
| | | M | Z 18 43 | | | | |
| | Origin: | | 17 14 35.7 | 32.7N | 20.9E | 33km | USCGS 5.0 |
| 22 | WN | eL | Z 08 11 | | | | |
| | | M | Z 08 19 | | | | |
| | Origin: | | 07 10 28.0 | 1 26 | 85.ON | 98.9E | 33km USCgs 5.0 |
| 22 | CT | eP | Z 07 57 44 | | | | |
| | KP | eP? | Z 07 57 44 | | | | |
| 22 | KP | 1P | Z 08 03 00 d | | | | |
| | | e(pp) | Z 08 04 17 | | | | |
| | CT | eP | Z 08 03 09 | | | | |
| | WN | eP | Z 08 03 29 | | | | |
| | | eScS | E 08 13 29 | | | | |
| | RX | eP | Z 08 04 15 | | | | |
| | Origin: | | 07 58 57.0 | 17.8S | 178.8W | 550km | USCGS 5.0 |
| 22 | ON | e? | E 11 07 43 | | | | |
| | | e | E 11 07 56 | | | | |
| | TU | eP | Z 11 07 43 | | | | |
| | | e | Z 11 07 51 | | | | |
| | | eS | Z 11 09 30 | | | | |
| | KP | e? | Z 11 07 48 | | | | |
| | | e | Z 11 07 50 | | | | |
| | | e | Z 11 08 12 | | | | |
| | | e | Z 11 08 43 | | | | |
| | TA | e | Z 11 08 13 | | | | |
| | CT | e? | Z 11 08 34 | | | | |
| | | e(s) | Z 11 09 48 | | | | |
| | | e | Z 11 09 58 | | | | |
| | WN | e? | Z 11 08 45 | | | | |
| | | e | Z 11 09 06 | | | | |
| | | eS | ZNE 11 10 35 | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|-----|---------|----|----|----|------|-------|--------|-------|-------|
| FEB | GP | e? | N | 11 | 08 | 56 | | | | |
| | | e | N | | 09 | 27 | | | | |
| | | eS | N | | 11 | 38 | | | | |
| | KM | eS | X | 11 | 11 | 28 | | | | |
| | | Origin: | | 11 | 05 | 42.0 | 30.3S | 178.6W | 113km | USCGS |
| 23 | WN | e | Z | 06 | 51 | .9 | | | | |
| | | eL | Z | 07 | 01 | | | | | |
| | | M | Z | | 01 | | 1 28 | | | |
| | | Origin: | | 06 | 32 | 30 | 36.0S | 102.5W | 33km | USCGS |
| 23 | KP | eP | Z | 14 | 37 | 22 | | | | |
| 24 | KP | P | Z | 06 | 40 | 01 | | | | |
| | CT | eP | Z | 06 | 40 | 09 | | | | |
| | WN | eP | Z | 06 | 40 | 29 | | | | |
| | | Origin: | | 06 | 36 | 11.3 | 19.7S | 179.0W | 546km | USCGS |
| 24 | KP | P | Z | 13 | 11 | 57 | | | | |
| | CT | eP | Z | 13 | 12 | 07 | | | | |
| | | Origin: | | 13 | 07 | 26.4 | 18.3S | 175.4W | 209km | USCGS |
| 24 | WN | e(PKKP) | Z | 14 | 02 | | | | | |
| | | e? | Z | | 15 | | | | | |
| | | eL | Z | | 21 | | | | | |
| | | M | Z | | 27 | | 2 19 | | | |
| | RX | eL | E | 14 | 22 | | | | | |
| | | M | E | | 29 | | | | 1 18 | |
| | | Origin: | | 13 | 34 | 15.7 | 14.6N | 91.4W | 135km | USCGS |
| 24 | KP | e(P) | Z | 17 | 38 | 00 | | | | |
| | | e | Z | | 25 | | | | | |
| | | e | Z | | 35 | | | | | |
| | ON | eP | E | 17 | 38 | 05 | | | | |
| | AK | eL | N | 17 | 41 | | | | | |
| | RX | eL | NE | 17 | 46 | | | | | |
| | | Origin: | | 17 | 35 | 14 | 31.7S | 176.5W | 33km | USCGS |
| 24 | KP | P | Z | 21 | 38 | 00 d | | | | |
| | | Origin: | | 21 | 34 | 08.1 | 19.5S | 179.0W | 546km | USCGS |
| 25 | KP | P | Z | 17 | 23 | 08 u | | | | |
| | | e | Z | | 18 | | | | | |
| | CT | P | Z | 17 | 23 | 08 u | | | | |
| | | e | Z | | 17 | | | | | |
| | | e | Z | | 23 | | | | | |
| | TU | eP | Z | 17 | 23 | 10 | | | | |
| | | e | Z | | 26 | | | | | |
| | GP | eP | N | 17 | 23 | 17 | | | | |
| | | e | N | | 36 | | | | | |
| | | Origin: | | 17 | 11 | 01.7 | 24.4N | 123.4E | 33km | USCGS |
| 26 | WN | eL? | Z | 00 | 22 | | | | | |
| 26 | CT | P | Z | 02 | 25 | 10 d | | | | |
| | | Origin: | | 02 | 13 | 20.5 | 19.3N | 121.0E | 56km | USCGS |
| 26 | KP | eP? | Z | 02 | 26 | 31 | | | | |
| 26 | KP | eP | Z | 08 | 02 | 16 | | | | |
| | WN | e? | Z | 08 | 03 | 08 | | | | |
| | | Origin: | | 07 | 52 | 13.6 | 12.8N | 144.1E | 98km | USCGS |
| 26 | KP | e? | Z | 09 | 51 | 45 | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|--------|-----|---------|-----|----|------|------|-------|--------|--------|-------|-------|
| | | | | 20 | 21 | 14 | | | | 6.8 | |
| FEB 26 | ON | P | E | | 29 | | | | | | |
| | | e | E | | 26 | 55 | | | | | |
| | | e(s) | E | | 31 | 08 | | | | | |
| | | eScS | E | | 20 | 21 | 31 d | | | | |
| | KP | iP | Z | | 24 | 17 | | | | | |
| | | e(PcP) | Z | | 26 | 34 | | | | | |
| | | e | Z | | 27 | 04 | | | | | |
| | | e(ScP) | Z | | 28 | 03 | | | | | |
| | | e | Z | | 20 | 21 | 34 d | | | | |
| | TA | P | Z | | 20 | 21 | 36.4w | | | | |
| | CB | iP | E | | 27 | 37 w | | | | | |
| | | (PcS) | E | | 28 | 42 | | | | | |
| | | e(SS) | E | | 31 | 18 | | | | | |
| | | e(ScS) | E | | 20 | 21 | 39.4 | | | | |
| | TO | P | Y | | 27 | 41 | | | | | |
| | | eS | Y | | 31 | 08 | | | | | |
| | | eSS | Y | | 17 | | | | | | |
| | | eScS | Y | | 20 | 21 | 43 d | | | | |
| | TU | P | Z | | 22 | 43 | | | | | |
| | | e | Z | | 27 | 09 | | | | | |
| | | e(ScP) | Z | | 47 | | | | | | |
| | | e? | Z | | 50 | | | | | | |
| | | e | Z | | 58 | | | | | | |
| | | e(s) | Z | | 20 | 21 | 45 | | | | |
| | WN | iP | ZNE | | 27 | 50 | | | | | |
| | | e(PcS) | NE | | 31 | 24 | | | | | |
| | | e(ScS) | E | | 20 | 21 | 49 d | 15 3 | | 7.1 | |
| | EX | P | Z | | 22 | 30 | | | | | |
| | | e | ZN | | 27 | 12 | | | | | |
| | | e | Z | | 58 | | | | 30 20 | 6.9 | |
| | | e(s) | NE | | 28 | 04 | | | | | |
| | | e | Z | | 29.0 | | | | 55 18 | 70 22 | |
| | | e(SS) | NE | | 31 | 25 | | | | | |
| | | eScS | E | | 32.2 | | | | | | |
| | | e(sScS) | E | | 20 | 21 | 51 | | | 6.9 | |
| | GP | iP | N | | 22 | 33 | | | | | |
| | | e(pP) | N | | 23 | 00 | | | | | |
| | | e | N | | 28 | 00 | | | | | |
| | | e | N | | 31 | 31 | | | | | |
| | | eScS | N | | 20 | 14 | 08.7 | 7.5S | 146.2E | 171km | USCGS |
| | | Origin: | | 20 | 14 | 08.7 | 7.5S | 146.2E | 171km | USCGS | |
| 27 | KP | eP | Z | 04 | 37 | 33 | | | | | |
| | | ePP | Z | | 39 | 18 | | | | | |
| | TU | e(P) | Z | 04 | 37 | 49 | | | | | |
| | WN | e(P) | Z | 04 | 37 | 53 | | | | | |
| | | ePP | Z | | 39.5 | | | | | | |
| | | e | ZE | | 44 | 11 | | | | 14 26 | |
| | | eL | ZE | | 47 | | | | | | |
| | | M | E | | 49 | | | | | | |
| | | M | Z | | 53 | | | | | | |
| | RX | e(P) | N | 04 | 38 | 08 | | | 5 18 | 6.2 | |
| | | e | Z | | 18 | | | | | | |
| | | eS | NE | | 44 | 22 | | | 25 18 | 35 18 | |
| | | L | NE | | 47 | 46 | | | | | |
| | | eL | ZNE | | 51 | | | | | | |
| | | M | N | | 54 | | | | 45 19 | 6.4 | |
| | | Origin: | | 04 | 30 | 00.8 | 6.0S | 149.4E | 52km | USCGS | |
| 27 | KP | eP | Z | 05 | 12 | 01 | | | | | |
| | TU | e(P) | Z | 05 | 12 | 05 | | | | | |
| | WN | eP? | Z | 05 | 12 | 31 | | | | | |
| | | Origin: | | 05 | 07 | 11.5 | 14.5S | 173.1W | 131km | USCGS | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|-----|----|----|------|-------|--------|-------|-------|
| FEB 27 | KP | eP | Z | 05 | 31 | 30 | | | | |
| | Origin: | | | 05 | 24 | 02.1 | 6.3S | 149.2E | 59km | USCGS |
| | 27 | KP | iP | Z | 07 | 39 | | | | |
| | | e | Z | | 40 | 25 | | | | |
| | TU | e(P) | Z | 07 | 39 | 37 | | | | |
| | CT | eP | Z | 07 | 39 | 43 | | | | |
| | | e | Z | | 48 | | | | | |
| | | e | Z | | 58 | | | | | |
| | RX | e? | Z | 07 | 40 | 37 | | | | |
| | Origin: | | | 07 | 34 | 23.8 | 16.2S | 173.3W | 33km | USCGS |
| | 27 | KP | P | Z | 20 | 35 | | | | |
| | | e | Z | | 36 | 07 | | | | |
| | CT | eP | Z | 20 | 36 | 02 | | | | |
| | TU | e(P) | Z | 20 | 36 | 05 | | | | |
| | WN | eL | Z | 20 | 48 | | | | | |
| | | M | Z | | 50 | | | | | |
| | RX | eL | NE | 20 | 49 | | | | | |
| | | M | E | | 52 | | | | | |
| | Origin: | | | 20 | 28 | 37.9 | 4.6S | 132.9E | 100km | USCGS |
| | 27 | KP | eP? | Z | 23 | 17 | | | | |
| | Origin: | | | 23 | 10 | 38.2 | 6.2S | 149.2E | 59km | USCGS |
| | 27 | KP | eP | Z | 23 | 52 | | | | |
| MAR 1 | CT | eP | Z | 04 | 43 | 43 | | | | |
| | WN | P | Z | 04 | 44 | 02.1 | | | | |
| | Origin: | | | 04 | 39 | 34.3 | 18.2S | 177.9W | 568km | USCGS |
| | 1 | WN | eL | Z | 11 | 27.2 | | | | |
| | Origin: | | | 10 | 45 | 55.5 | 41.1N | 143.0E | 43km | USCGS |
| | 2 | KP | eP | Z | 00 | 28 | | | | |
| | CT | eP | Z | 00 | 28 | 40 | | | | |
| | Origin: | | | 00 | 20 | 32.3 | 5.1S | 144.3E | 69km | USCGS |
| | 2 | KP | P | Z | 05 | 47 | | | | |
| | CT | eP | Z | 05 | 47 | 33 | | | | |
| | Origin: | | | 05 | 39 | 07.4 | 1.8S | 143.6E | 129km | USCGS |
| | 2 | WN | e | Z | 05 | 48 | | | | |
| | | eL | Z | | 50 | 24 | | | | |
| | 2 | KP | eP | Z | 08 | 50 | | | | |
| | Origin: | | | 08 | 44 | 59.2 | 15.4S | 172.9W | 65km | USCGS |
| | 2 | WN | eL | Z | 10 | 07 | | | | |
| | Origin: | | | 09 | 25 | 55.0 | 46.1N | 153.1E | 33km | USCGS |
| | 2 | WN | eL | Z | 16 | 49.1 | | | | |
| | Origin: | | | 16 | 05 | 00 | 48.1N | 152.9E | 140km | USCGS |
| | 3 | ON | P | E | 16 | 41 | | | | |
| | | e | E | | 42 | 33 | | | | |
| | KP | P | Z | 16 | 41 | 21.0 | | | | |
| | | e | Z | | 42 | 35 | | | | |
| | TU | P | Z | 16 | 41 | 21.0 | | | | |
| | | eS | Z | | 42 | 54 | | | | |
| | CT | eP | Z | 16 | 41 | 32 | | | | |
| | | e | Z | | 43 | 10 | | | | |
| | | e | Z | | 16 | | | | | |
| | TA | eP | Z | 16 | 41 | 39 | | | | |
| | WN | P | Z | 16 | 41 | 50 | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|-----|------|------|--|--------|-------|-------|
| MAR | TO | e | S | 16 | 43 | 10 | | | | |
| | | eS | Y | | 19 | | | | | |
| | CB | eS | E | 16 | 44 | 08 | | | | 5.5 |
| | KM | eS | X | 16 | 44 | 43 | | | | 5.4 |
| | GP | S | N | 16 | 44 | 53 | | | | |
| | Origin: | | | 16 | 39 | 21 | | | | |
| | | | | | | | 31.5S | 178.3W | 350km | NZ(D) |
| | | | | | | | Additional readings from Uppsala and Umea used to determine epicentre. | | | 5.5 |
| | 4 | KP | P | Z | 13 | 50 | | | | |
| | | CT | P | Z | 13 | 50 | | | | |
| | | WN | S | ZNE | 14 | 01 | | | | |
| | | | PS | Z | 02 | 28 | | | 2 40 | |
| | | | eSS | ZNE | 06 | 23 | | | | |
| | | | Lq | NE | 13.2 | | | | 5 32 | |
| | | | Lr | Z | 17 | 40 | | | 2 28 | |
| | Origin: | | | 13 | 38 | 41.0 | 24.2N | 121.7E | 33km | USCGS |
| | 4 | KP | eP | Z | 05 | 13 | | | | |
| | | CT | P | Z | 05 | 13 | | | | |
| | Origin: | | | 05 | 08 | 30 | 16.1S | 178.5E | 33km | USCGS |
| | 4 | WN | eLr | Z | 08 | 46.3 | | | | |
| | Origin: | | | 07 | 41 | 51.0 | 82.9N | 7.7W | 33km | USCGS |
| | 4 | WN | eP | ZE | 16 | 09 | | | | |
| | | Lq | N | | 23.8 | | | | 3 40 | |
| | | Lr | ZE | | 28.2 | | | | 5 28 | |
| | Origin: | | | 15 | 43 | 04.0 | 4.5S | 81.6W | 33km | USCGS |
| | 4 | KP | P | Z | 19 | 08 | | | | |
| | | CT | eP | Z | 19 | 08 | | | | |
| | | WN | eLq | NE | 19 | 13.2 | | | | |
| | | | eLr | Z | 14.8 | | | | 2 32 | |
| | Origin: | | | 19 | 04 | 02.9 | 19.3S | 169.5E | 43km | USCGS |
| | 5 | WN | eL | Z | 02 | 18 | | | | |
| | | | | | | | 1 30 | | | |
| | 5 | WN | ePS | Z | 07 | 31 | | | | |
| | | eLr | ZE | | 50 | | | | | |
| | Origin: | | | 07 | 05 | 01.7 | 4.5S | 81.5W | 31km | USCGS |
| | 5 | TU | P | Z | 16 | 39 | | | | |
| | | S | Z | | 40 | 26 | | | | |
| | KP | P | Z | 16 | 39 | 54 | | | | |
| | | e | Z | | 40 | 33 | | | | |
| | CT | P | Z | 16 | 40 | 04 | | | | |
| | | eS | Z | | 49 | | | | | |
| | TA | eP | Z | 16 | 40 | 12 | | | | |
| | WN | P | Z | 16 | 40 | 26.1 | | | | 5.0 |
| | | S | Z | | 41 | 28 | | | | |
| | TO | e | Y | 16 | 40 | 49 | | | | |
| | GP | eS | N | 16 | 42 | 30 | | | | |
| | Origin: | | | 16 | 39 | 07 | 36.5S | 178.2E | 235km | NZ(C) |
| | 5 | CT | eP | Z | 19 | 13 | | | | |
| | Origin: | | | 19 | 05 | 39.1 | 6.4S | 149.0E | 60km | USCGS |
| | 6 | ON | P | E | 03 | 54 | | | | |
| | | eP | Z | | 03 | 54 | | | | |
| | | i | Z | | 22 | | | | | |
| | | S | Z | | 55 | 28 | | | | |
| | KP | P | Z | 03 | 54 | 21.1 | | | | |
| | CT | P | Z | 03 | 54 | 33.1 | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|------------|--|-------|-------|-------|
| MAR | WN | eS | Z | 55 53 | | | |
| | WN | P | Z | 03 54 57 | | | 5.6 |
| | | S | Z | 56 34 | | | |
| | GP | eP | N | 03 55 33 | | | 5.6 |
| | | eS | N | 57 40 | | | |
| | TO | eS | Y | 03 55 54 | | | 4.6 |
| | CB | eS | E | 03 56 52 | | | 5.2 |
| | Origin: | | 03 52 52 | 33.4S 179.4W | 160km | NZ(C) | 5.3 |
| | | | | Additional readings from Umea used to determine epicentre. | | | |
| 6 | KP | P | Z | 17 58 53.1 | | | |
| | CT | P | Z | 17 59 05.0 | | | |
| | Origin: | | 17 53 26 | 11.4S 166.5E | 195km | USCGS | 4.6 |
| 6 | CT | eP | Z | 19 56 53 | | | |
| | WN | eLr | Z | 20 07 | 1 33 | | |
| | Origin: | | 19 50 07.5 | 9.8S 152.2E | 60km | USCGS | 5.1 |
| 7 | CT | P | Z | 03 46 09.9 | | | |
| | Origin: | | 03 40 46.6 | 15.1S 168.2E | 33km | USCGS | 4.6 |
| 7 | WN | eL | Z | 12 08.9 | 2 15 | | |
| 7 | CT | eP | Z | 05 32 02 | | | |
| | KP | P | Z | 05 32 04 | | | |
| | WN | P | Z | 05 32 04 | 6 7 | | 6.8 |
| | | PP | Z | 34 15 | 3 6 | | |
| | | S | ZNE | 40 16 | 8 18 | 7 15 | 30 27 |
| | | eSS | ZNE | 44 17 | 6 19 | 6 16 | 4 17 |
| | | Lr | ZNE | 49.2 | 75 30 | 22 22 | 51 32 |
| | RX | e(P) | Z | 05 32 30 | 1 5 | | |
| | | S | NE | 41 01 | | 1 20 | 21 20 |
| | | Lr | ZNE | 51.0 | 21 20 | 32 24 | 22 22 |
| | Origin: | | 05 22 01.1 | 27.0S 113.5W | 33km | USCGS | 5.6 |
| 7 | WN | P | Z | 12 27 59 | 3 12 | | 6.0 |
| | | S | ZE | 37 37 | 2 32 | | 3 24 |
| | | SS | Z | 41 44 | 2 36 | | |
| | | L | ZN | 50.1 | 4 21 | | 3 22 |
| | | M | Z | 51.2 | 8 24 | | |
| | CT | eP | Z | 12 28 06 | | | |
| | KP | P | Z | 12 28 13.1 | | | |
| | RX | eS | NE | 12 37 38 | | 3 30 | 4 28 |
| | | eSS | E | 42 20 | | | 3 16 |
| | | eL | ZNE | 52 | | 3 18 | 3 18 |
| | Origin: | | 12 16 28.5 | 44.3S 75.3W | 45km | USCGS | 5.6 |
| 8 | KP | eP | Z | 02 48 55 | | | |
| | CT | eP | Z | 02 49 11.2 | | | |
| | RX | eP | Z | 02 50 05 | | | |
| | | eS | N | 54 58 | 4 13 | | |
| | | eLq | E | 56.8 | | | 6 20 |
| | | eLr | N | 58.5 | | 8 20 | |
| | Origin: | | 02 44 31.5 | 19.2S 169.7E | 33km | USCGS | 5.3 |
| 8 | KP | eP | Z | 03 29 21 | | | |
| | CT | P | Z | 03 29 37.1 | | | |
| | RX | eP | Z | 03 30 28 | | | |
| | | eLq | E | 37.1 | | | 8 20 |
| | | eLr | N | 39 | | 11 20 | |
| | Origin: | | 03 24 57.2 | 19.2S 169.6E | 49km | USCGS | 5.7 |
| 8 | KP | P | Z | 03 37 32 | | | |
| | CT | P | Z | 03 37 40 | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|------------|--------------|-------|-------|-------|
| MAR | WN | eL | Z | 03 45 | | | |
| | RX | eLq | E | 03 45.8 | | | 13 20 |
| | | Lr | ZN | 47.1 | 15 20 | 12 18 | |
| | Origin: | | 03 33 03.4 | 19.3S 169.6E | 33km | USCGS | |
| 8 | KP | P | Z | 14 03 38 | | | |
| | Origin: | | 13 59 40.1 | 21.8S 176.5W | 137km | USCGS | 4.6 |
| 8 | KP | eP | Z | 16 08 51 | | | |
| | CT | eP | Z | 16 09 08 | | | |
| | Origin: | | 16 04 54.0 | 21.3S 170.2E | 108km | USCGS | |
| 8 | WN | eL | Z | 18 34 | 2 28 | | |
| 9 | WN | eL | Z | 03 14 | 2 16 | | |
| | Origin: | | 02 17 39.5 | 21.9N 62.0E | 33km | USCGS | 5.1 |
| 9 | KP | P | Z | 13 10 41 | | | |
| | CT | eP | Z | 13 10 56 | | | |
| | Origin: | | 13 06 15.1 | 19.1S 169.4E | 33km | USCGS | 4.9 |
| 9 | KP | eP | Z | 16 31 44 | | | |
| | CT | eP | Z | 16 31 52 | | | |
| | WN | eL | ZNE | 16 45.1 | 2 34 | | |
| | Origin: | | 16 23 44.3 | 3.2S 147.0E | 33km | USCGS | 4.8 |
| 9 | CT | eP | Z | 19 03 38 | | | |
| | WN | e(S) | Z | 19 11 30 | | | |
| | | eL | ZN | 17 | 1 20 | 3 20 | |
| | Origin: | | 18 55 49.0 | 3.2S 147.1E | 33km | USCGS | 4.9 |
| 9 | KP | P | Z | 22 47 20.0 | | | |
| | CT | eP | Z | 22 47 30 | | | |
| | WN | P | ZNE | 22 47 50 | | | |
| | | eS | NE | 51 04 | | | |
| | Origin: | | 22 43 50.5 | 21.5S 179.0W | 529km | USCGS | 4.4 |
| 10 | KP | P | Z | 01 24 39.1 | | | |
| | CT | iP | Z | 01 24 50.8 | | | |
| | Origin: | | 01 19 38.1 | 15.2S 167.2E | 142km | USCGS | 4.9 |
| 10 | KP | eP | Z | 03 05 42 | | | |
| | CT | P | Z | 03 05 46 | | | |
| | WN | e(S) | Z | 03 17 48 | 1 30 | | |
| | | eLq | E | 28.3 | | | 2 32 |
| | | eLr | Z | 32.3 | 3 42 | | |
| | Origin: | | 02 53 33.0 | 24.7N 122.1E | 33km | USCGS | 4.9 |
| 10 | KP | P | Z | 09 43 49.8 | | | |
| | CT | eP | Z | 09 44 02 | | | |
| | Origin: | | 09 39 09.6 | 16.0S 168.4E | 283km | USCGS | 4.5 |
| 10 | WN | eP? | Z | 11 04 25 | | | |
| | | e | Z | 40 | 2 8 | | |
| | | eSKS | ZNE | 14 52 | 2 12 | | |
| | | Lq | N | 27.6 | | 1 27 | |
| | | Lr | ZE | 31.3 | 4 32 | | 4 35 |
| | CT | P | Z | 11 04 29 | | | |
| | KP | P | Z | 11 04 32.0 | | | |
| | RX | eL | NE | 11 32 | | 2 20 | 3 20 |
| | Origin: | | 10 51 48.1 | 29.9S 71.2W | 70km | USCGS | 5.5 |
| 10 | WN | eLr | Z | 14 21.3 | 1 32 | | |
| | Origin: | | 13 51 04.3 | 2.4N 126.6E | 41km | USCGS | |

| Date | Stn | Phase | | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. |
|--------|---------|-------|----|----|------|--------|--------|--------|-------|----|-------|----|------|
| MAR 11 | KP | PKP | Z | 07 | 46 | 49.0 | | | | | | | |
| | RX | ePKP | Z | 07 | 47 | 10 | 5 1 | | | | | | |
| | Origin: | | | 07 | 27 | 22.0 | 38.1N | 29.3E | 33km | | USCGS | | 5.3 |
| | 11 | KP | P | Z | 09 | 06 | 27 | | | | | | |
| | CT | eP | Z | 09 | 06 | 35 | | | | | | | |
| | Origin: | | | 09 | 02 | 19.8 | 18.7S | 177.6W | 402km | | USCGS | | 4.8 |
| | 11 | KP | P | Z | 21 | 11 | 16 | | | | | | |
| | Origin: | | | 21 | 05 | 49.1 | 13.7S | 165.8E | 33km | | USCGS | | 4.7 |
| | 12 | KP | P | Z | 13 | 26 | 56 | | | | | | |
| | WN | eLr | Z | 13 | 44.2 | | 2 32 | | | | | | |
| | Origin: | | | 13 | 21 | 39.2 | 16.0S | 172.6W | 33km | | USCGS | | 5.3 |
| | 12 | KP | P | Z | 20 | 20 | 02 | | | | | | |
| | WN | eL | Z | 20 | 27.7 | | 4 20 | | | | | | |
| | RX | eL | NE | 20 | 28 | | | | | | | | |
| | Origin: | | | 20 | 14 | 59.8 | 16.2S | 167.7E | 33km | | USCGS | | 4.3 |
| | 14 | KP | iP | Z | 08 | 12 | 05.6 d | | | | | | |
| | CT | eiP | Z | 08 | 12 | 09.7 | | | | | | | |
| | RX | P | Z | 08 | 12 | 12 | 1 1 | | | | | | |
| | WN | eL | Z | 08 | 38.3 | | 3 37 | | | | | | |
| | Origin: | | | 08 | 00 | 15.6 | 19.0N | 120.4E | 51km | | USCGS | | 5.0 |
| | 14 | KP | eP | Z | 23 | 23 | 26 | | | | | | |
| | Origin: | | | 23 | 15 | 23.2 | 5.9S | 144.6E | 33km | | USCGS | | 4.3 |
| | 15 | KP | P | Z | 00 | 26 | 30.0 | | | | | | |
| | i | P | Z | | | 42 | | | | | | | |
| | CT | P | Z | 00 | 26 | 37.0 | | | | | | | |
| | RX | eP | Z | 00 | 26 | 35 | 5 1 | | | | | | |
| | eL | E | | | | 49 | | | | | 2 30 | | |
| | WN | eLr | Z | 00 | 48.5 | | 6 28 | | | | | | |
| | Origin: | | | 00 | 16 | 01.3 | 8.4N | 126.4E | 117km | | USCGS | | 5.0 |
| | 15 | KP | eP | Z | 03 | 37 | 46 | | | | | | |
| | CT | eP | Z | 03 | 37 | 57 | | | | | | | |
| | eS | Z | | | | 40 37 | | | | | | | |
| | Origin: | | | 03 | 34 | 55 | 24.9S | 180.0 | 573km | | USCGS | | 4.2 |
| | 15 | KP | P | Z | 04 | 05 | 53 | | | | | | |
| | i | P | Z | | | 55 | | | | | | | |
| | CT | P | Z | 04 | 06 | 04.9 | | | | | | | |
| | eS | Z | | | | 08 45 | | | | | | | |
| | Origin: | | | 04 | 03 | 05 | 25.0S | 179.6E | 563km | | USCGS | | |
| | 15 | KP | P | Z | 11 | 05 | 45.5 | | | | | | |
| | CT | P | Z | 11 | 05 | 48.7 | | | | | | | |
| | Origin: | | | 10 | 53 | 59.8 | 17.5N | 119.8E | 33km | | USCGS | | 4.4 |
| | 16 | KP | P | Z | 08 | 57 | 29.2 | | | | | | |
| | i | P | Z | | | 35.5 | | | | | | | |
| | CT | P | Z | 08 | 57 | 34.8 | | | | | | | |
| | i | P | Z | | | 40 | | | | | | | |
| | e | P | Z | | | 45 | | | | | | | |
| | ePP | Z | | 09 | 01 | 08 | | | | | | | |
| | ePKKP | Z | | | | 15 03 | | | | | | | |
| | P'P' | Z | | | | 23 41 | | | | | | | |
| | WN | iP | Z | 08 | 57 | 42.5 u | 23 24 | | | | | | |
| | ePP | Z | | 09 | 01 | 21 | 15 25 | | | | | | |
| | eSKS | Z | | | | 07 25 | 6 17 | | | | | | |
| | S | ZE | | | | 08 16 | 9 16 | | | | 18 24 | | |
| | PS | E | | | | 10 00 | | | | | 24 23 | | |

| Date | Stn | Phase | | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. |
|------|---------|-------|------|------|------|---------|-------|--------|-------|----|-------|------|------|
| MAR | | SS | ZE | 14 | 17 | | 67 55 | | | | 20 36 | | |
| | | Lq | ZE | 22 | 13 | | 43 32 | | | | | | |
| | | Lr | Z | 26.2 | | | | | | | | | |
| | RX | eP | ZN | 08 | 58 | 04 | 10 7 | | 6 19 | | | | |
| | e | P | Z | | | 07 | | | | | | | |
| | ePP | ZN | 09 | 01 | 40 | | 7 4 | | 8 18 | | | | |
| | eS | ZNE | 08 | 30 | | | | | 15 14 | | 8 14 | | 7.1 |
| | eS | N | 09 | 20 | | | | | 50 23 | | | | |
| | SS | NE | 15 | 24 | | | | | 25 28 | | 47 25 | | |
| | SSS | N | 19 | 16 | | | | | 27 25 | | | | |
| | eL | NE | 24.5 | | | | | | 34 42 | | 19 22 | | |
| | M | ZNE | 40 | | | | | | 53 19 | | 45 24 | | 6.9 |
| | Origin: | | | 08 | 44 | 48.3 | 46.5N | 154.7E | 26km | | USCGS | | 6.2 |
| | 16 | KP | eP | Z | 21 | 44 | 30 | | | | | | |
| | WN | eL | Z | 21 | 55 | | | | | | | | |
| | RX | eL | NE | 21 | 55 | | | | | | | | |
| | Origin: | | | 21 | 40 | 09.0 | 20.7S | 174.1W | 33km | | USCGS | | 5.0 |
| | 17 | WN | eL | Z | 11 | 06 | 40 | | | | 1 23 | | |
| | 17 | WN | L | Z | 13 | 19 | 08 | | | | 1 17 | | |
| | 18 | TU | eS | Z | 04 | 05 | 55 | | | | | | |
| | WN | eS | NE | 04 | 07 | 04 | | | | | 1 21 | | |
| | eL | Z | | | | 09.1 | | | | | | | |
| | RX | eL | E | 04 | 11.5 | | | | | | | 2 22 | |
| | Origin: | | | 04 | 00 | 41 | 26.6S | 176.7W | 33km | | USCGS | | 4.7 |
| | 18 | TU | eS | Z | 04 | 31 | 27 | | | | | | |
| | WN | eS | NE | 04 | 32 | 40 | | | | | 2 20 | | |
| | eL | Z | | | | 34.7 | | | | | | | |
| | RX | eL | E | 04 | 37 | | | | | | | 2 20 | |
| | Origin: | | | 04 | 25 | 41.4 | 33.2S | 179.0E | 33km | | USCGS | | |
| | 18 | KP | P | Z | 13 | 20 | 17 | | | | | | |
| | Origin: | | | 13 | 16 | 23.5 | 15.7S | 178.4W | 561km | | USCGS | | |
| | 19 | KP | P | Z | 05 | 50 | 32 | | | | | | |
| | CT | P | Z | 05 | 50 | 45.5 | | | | | | | |
| | WN | eL | Z | 05 | 56.1 | | | | | | 3 18 | | |
| | Origin: | | | 05 | 46 | 50.1 | 22.8S | 170.5E | 67km | | USCGS | | 4.6 |
| | 19 | KP | eP | Z | 13 | 17 | 04 | | | | | | |
| | e | | | | | 22 | | | | | | | |
| | 19 | WN | eL | Z | 13 | 22.5 | | | | | 3 26 | | |
| | M | ZNE | | | | 25 | | | | | 4 16 | | |
| | Origin: | | | 13 | 13 | 22.5 | 22.6S | 170.6E | 49km | | USCGS | | 4.5 |
| | 19 | KP | eP | Z | 14 | 45 | 47 | | | | | | |
| | CT | eP | Z | 14 | 46 | 02 | | | | | | | |
| | WN | eP | Z | 14 | 46 | 23 | | | | | 2 12 | | 5.2 |
| | eS | NE | | | | 50 04 | | | | | | 3 8 | |
| | Lr | Z | | | | 51.1 | | | | | 3 28 | | |
| | M | ZNE | | | | 54 | | | | | 6 16 | | |
| | Origin: | | | 14 | 42 | 01.2 | 22.6S | 170.8E | 33km | | USCGS | | 4.8 |
| | 20 | TU | eP | Z | 04 | 46 | 25.5 | | | | | | |
| | ON | P | E | 04 | 46 | 38.0 | | | | | | | |
| | S | E | | | | 49 13 | | | | | | | |
| | KP | P | Z | 04 | 46 | 51.8 | | | | | | | |
| | i | P | Z | | | 48 31.0 | | | | | | | |
| | CT | P | Z | 04 | 47 | 00.5 | | | | | | | |
| | TA | eP | Z | 04 | 47 | 06.7 | | | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|------------|----------------|--------------|-------|-------|------|
| MAR | WN | P | ZNE 04 47 18.8 | 19.9S 179.1W | 680km | USCGS | 5.2 |
| | | eS | ZNE 04 50 35 | | | | |
| | CB | ScS | NE 04 57 10 | | | | |
| | | eP | E 04 47 24.0 | | | | |
| | RX | P | Z 04 48 37.2 | | | | |
| | | eS | E 04 50 43 | | | | |
| | KM | eP | X 04 47 39.5 | | | | |
| | | S | X 04 50 10 | | | | |
| | GP | eP | N 04 47 45 | | | | |
| | | S | N 04 51 22 | | | | |
| | Origin: | | 04 43 13.5 | | | | |
| | 20 | KP | 1P | | | | |
| eS | | | Z 04 52 15 | | | | |
| CB | | eP | E 04 49 28 | | | | |
| | | eS | E 04 53 20 | | | | |
| TU | | P | Z 04 49 29.0 | | | | |
| TA | | eP | Z 04 49 40.0 | | | | |
| WN | | P | ZNE 04 49 54.0 | | | | |
| | | S | ZNE 04 53 09 | | | | |
| RX | | ScS | NE 04 59 50.2 | | | | |
| | | P | Z 04 50 40.9 | | | | |
| KM | | eS | X 04 53 43 | | | | |
| | | S | N 04 53 55 | | | | |
| Origin: | | 04 45 49.5 | | | | | |
| 20 | KP | eP | Z 10 50 08 | 15.8S 171.7W | 33km | USCGS | 4.6 |
| | | Origin: | | | | | |
| 20 | KP | P | Z 16 47 40 | 2.4S 138.4E | 40km | USCGS | 4.6 |
| | | e | Z 16 47 59 | | | | |
| | CT | P | Z 16 47 47.0 | | | | |
| | RX | eL | NE 17 01 | | | | |
| | Origin: | | 16 38 55.8 | | | | |
| 21 | KP | eP | Z 01 17 18 | 19.3S 175.8W | 130km | USCGS | 4.6 |
| | | Origin: | | | | | |
| 21 | TU | P | Z 14 03 19 | 2 13 | | | 5.3 |
| | | e | Z 14 04 18 | | | | |
| | KP | P | Z 14 03 24 | | | | |
| | | e | Z 14 04 27 | | | | |
| | ON | eP | E 14 03 29 | | | | |
| | | e | E 14 04 24 | | | | |
| | CT | P | Z 14 03 35 | | | | |
| | | e | Z 14 04 51 | | | | |
| | TO | eP | Y 14 03 37 | | | | |
| | | S | Y 14 14 | | | | |
| | WN | eP | Z 14 03 45 | | | | |
| | | S | NE 14 05 28 | | | | |
| TA | eL | Z 14 06 | | | | | |
| | eP | Z 14 03 48 | | | | | |
| CB | eS | E 14 05 49 | | | | | |
| | eS | N 14 06+ | | | | | |
| GP | eS | N 14 06 30 | | | | | |
| | eS | X 14 06 30 | | | | | |
| Origin: | | 14 02 02 | | | | | |
| 22 | CT | eP | Z 12 32 42 | 4 28 | 6 32 | 4 36 | 5.2 |
| | | WN | Lq | | | | |
| RX | Lr | Z 12 48.2 | | | | | |
| | eL | N 12 47 | | | | | |
| | eL | E 12 49 | | | | | |
| | | | | | | | 5.2 |

35.2S 178.4W N NZ(D)
Additional readings from Umea used
to determine epicentre.

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | | | | | |
|---------|---------|--------------|--------------|--------------|-------|-------|------|------------|--------------|---------|-------|-----|
| MAR 23 | KP | P | Z 01 13 30.2 | 25.3S 179.2E | 560km | USCGS | 4.9 | | | | | |
| | | eS | Z 01 15 50 | | | | | | | | | |
| | CT | P | Z 01 13 42 | | | | | | | | | |
| | | S | Z 01 16 08 | | | | | | | | | |
| | WN | S | Z 01 16 48 | | | | | | | | | |
| | | Origin: | | | | | | 01 10 46.2 | | | | |
| | 23 | KP | eP | | | | | Z 08 59 39 | 4.9S 145.7E | 51km | USCGS | 4.6 |
| | | | CT | | | | | eP | | | | |
| | Origin: | | 08 51 44.2 | | | | | | | | | |
| | 23 | ON | eP | | | | | E 11 21 37 | 33.9S 178.9W | N NZ(C) | | 5.3 |
| | | | TU | | | | | eP | | | | |
| | | KP | eS | | | | | Z 11 21 40 | | | | |
| P | | | Z 11 21 40 | | | | | | | | | |
| CT | | eP | Z 11 21 51.4 | | | | | | | | | |
| | | e | Z 11 21 51.4 | | | | | | | | | |
| TO | | e(s) | Y 11 23 37 | | | | | | | | | |
| | | e(s) | Y 11 23 43 | | | | | | | | | |
| WN | | eS | ZNE 11 23 56 | | | | | | | | | |
| | | GP | eS | N 11 25 | | | | | | | | |
| Origin: | | | 11 20 11 | | | | | | | | | |
| 23 | | WN | eL | Z 23 45.9 | | | | 5.3 | | | | |
| | RX | | eL | NE 23 43 | | | | | | | | |
| 24 | RX | P | ZE 02 16 42 | 9.7S 120.4E | 33km | USCGS | 5.4 | | | | | |
| | | PP | Z 02 18 44 | | | | | | | | | |
| | S | NE | Z 02 24 21 | | | | | | | | | |
| | | N | Z 02 29 22 | | | | | | | | | |
| | i | eLq | NE 02 32 | | | | | | | | | |
| | | eLr | Z 02 35 | | | | | | | | | |
| | WN | M | ZNE 02 39 | | | | | | | | | |
| | | P | Z 02 16 56 u | | | | | | | | | |
| | PP | S | Z 02 19 07 | | | | | | | | | |
| | | S | ZNE 02 24 47 | | | | | | | | | |
| | i | S | Z 02 30 07 | | | | | | | | | |
| | | SSS | ZNE 02 31 10 | | | | | | | | | |
| Lr | ZE | 02 35.0 | | | | | | | | | | |
| | M | Z 02 37 | | | | | | | | | | |
| KP | P | Z 02 16 56.2 | | | | | | | | | | |
| | CT | P | Z 02 16 58.2 | | | | | | | | | |
| Origin: | e | Z 02 17 09 | | | | | | | | | | |
| | | Z 02 07 12.8 | | | | | | | | | | |
| 24 | KP | eP | Z 08 23 11 | 22.6S 170.8E | 33km | USCGS | 5.0 | | | | | |
| | | CT | eP | | | | | Z 08 23 21 | | | | |
| WN | eL | Z 08 28.7 | | | | | | | | | | |
| Origin: | | 08 19 24.4 | | | | | | | | | | |
| 24 | KP | eP | Z 09 39 49 | 3.2S 146.8E | 33km | USCGS | 5.0 | | | | | |
| | | CT | eP | | | | | Z 09 40 00 | | | | |
| WN | eL | ZE 09 50.5 | | | | | | | | | | |
| RX | eL | N 09 51 | | | | | | | | | | |
| | Origin: | | 09 31 50.4 | | | | | | | | | |
| 24 | KP | P | Z 09 54 03.0 | | | | 5.4 | | | | | |
| | | i | Z 09 54 15 | | | | | | | | | |
| CT | eP | Z 09 54 07 | | | | | | | | | | |
| | i | Z 09 54 20 | | | | | | | | | | |
| RX | eP? | Z 09 54 11 | | | | | | | | | | |
| | | Z 09 54 11 | | | | | | | | | | |

Additional readings from Umea,
Uppsala, South Pole and Charters
Towers used to determine epicentre.

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|----|------|-------|--------------|-------------|-------|
| MAR | WN | e | Z | | 23 | | | | |
| | | eP | Z | 09 | 54 | | | | |
| | | eLr | Z | 10 | 15.2 | | | | |
| | | M | Z | | 19 | 2 26 | | | |
| | Origin: | | | 09 | 43 | 20.2 | 9.ON 125.6E | 51km USCGR | 5.2 |
| 24 | KP | ePKP | Z | 13 | 03 | 39 | | | |
| | | eSKP | Z | | 06 | 58 | | | |
| | WN | eSKP | Z | 13 | 06 | 58 | 1 14 | | |
| | | eLr | Z | | 44 | | 1 36 | | |
| | | M | Z | | 55 | | 2 32 | | |
| | Origin: | | | 12 | 44 | 03.2 | 34.4N 47.9E | 33km USCGR | 5.2 |
| 24 | KP | P | Z | 18 | 25 | 41 | | | |
| | CT | eP | Z | 18 | 25 | 50 | | | |
| | Origin: | | | 18 | 20 | 53.2 | 14.9S 176.0W | 320km USCGR | 4.4 |
| 24 | KP | eP | Z | 20 | 35 | 48 | | | |
| | Origin: | | | 20 | 20 | 42.7 | 13.6S 172.8W | 74km USCGR | 4.0 |
| 24 | KP | iP | Z | 21 | 48 | 15.1 | | | |
| | | e | Z | | 30 | | | | |
| | CT | P | Z | 21 | 48 | 19.8 | | | |
| | WN | ePS | Z | 22 | 01 | 43 | 1 32 | | |
| | | eLr | Z | | 18.5 | | 1 36 | | |
| | | M | Z | | 22 | | 2 22 | | |
| | RX | eL | NE | 22 | 22 | | | | |
| | Origin: | | | 21 | 35 | 24.4 | 51.8N 178.1W | 57km USCGR | 5.3 |
| 25 | TU | P* | Z | 14 | 22 | 49.1 | | | |
| | | S* | Z | | 23 | 04 | | | |
| | KP | iP* | Z | 14 | 22 | 57.2 | | | |
| | | eS* | Z | | 23 | 16 | | | |
| | TO | eP* | Y | 14 | 23 | 04.2 | | | |
| | | S* | Y | | 32 | | | | |
| | ON | (P) | E | 14 | 23 | 20 | | | |
| | | P* | E | | 24 | | | | |
| | | eS | E | | 24 | 00.7 | | | |
| | WN | Pn | ZNE | 14 | 23 | 29.6 | | | |
| | | iP* | ZNE | | 40.2 | | | | |
| | | Sn | ZNE | | 24 | 14 | | | |
| | | eS* | ZNE | | 34.2 | | | | |
| | CB | eP | E | 14 | 23 | 45 | | | |
| | | S | E | | 24 | 38 | | | |
| | GP | eP | N | 14 | 24 | 07 | | | |
| | | S | N | | 25 | 19 | | | |
| | KM | e(P) | X | 14 | 24 | 14 | | | |
| | | S | X | | 25 | 17 | | | |
| | RX | eP | Z | 14 | 24 | 45 | | | |
| | | eS | Z | | 26 | 25 | | | |
| | Origin: | | | 14 | 22 | 29 | 37.8S 177.4E | S NZ(B) | 5.1 |
| 25 | KP | eP | Z | 13 | 03 | 43 | | | |
| | | e | Z | | 53 | | | | |
| | WN | eL | Z | 13 | 21.5 | | 1 21 | | |
| | Origin: | | | 15 | 53 | 05 | 10.6S 120.4E | 33km USCGR | 5.6 |
| 25 | RX | P | ZNE | 20 | 21 | 12 | 8 7 | 4 8 | 5 6 |
| | | eS | NE | | 24 | 32 | | 7 14 | 35 10 |
| | | Lq | NE | | 25.3 | | | 2 15 | 2 15 |
| | | eLr | Z | | 25.8 | | 18 16 | | |
| | WN | P | ZNE | 20 | 22 | 09 | 7 7 | 4 6 | 3 6 |
| | | i | Z | | 24 | 06 | 3 11 | | |
| | | eS | ZE | | 26 | 40 | 8 14 | | 11 18 |
| | | Lr | Z | | 28 | 04 | 23 24 | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|----|------|-------|--------------|-------------|---------------------|
| MAR | CT | eP | Z | 20 | 22 | 33 | | | |
| | | e | Z | | 52 | | | | |
| | KP | eP | Z | 20 | 22 | 39 | | | |
| | Origin: | | | 20 | 17 | 03.8 | 56.3S 149.9E | 39km USCGR | 5.0 |
| 25 | WN | P | Z | 22 | 58 | 30 | | | |
| | | eLr | Z | 23 | 25.5 | | 1 28 | | |
| | | M | Z | | 34 | | 2 20 | | |
| | KP | P | Z | 22 | 58 | 34.0 | | | |
| | | i | Z | | 45 | | | | |
| | CT | iP | Z | 22 | 58 | 34.8 | | | |
| | | i | Z | | 46 | | | | |
| | Origin: | | | 22 | 46 | 16.2 | 0.7N 96.5E | 30km USCGR | 5.6 |
| 26 | KP | eP | Z | 08 | 29 | 10 | | | |
| | CT | eP | Z | 08 | 29 | 19 | | | |
| | Origin: | | | 08 | 23 | 51.9 | 15.0S 173.3W | 33km USCGR | 4.6 |
| 26 | KP | P | Z | 08 | 58 | 07.1 | | | |
| | CT | iP | Z | 08 | 58 | 15.7 | | | |
| | Origin: | | | 08 | 50 | 45.4 | 4.2S 152.6E | 120km USCGR | 5.1 |
| 26 | ON | eP | E | 09 | 50 | 33.5 | | | |
| | KP | eP | Z | 09 | 50 | 37 | | | |
| | | i | Z | | 53 | | | | |
| | | i | Z | | 53 | | | | |
| | CT | eP | Z | 09 | 50 | 51 | | | |
| | | i | Z | | 51 | 03 | | | |
| | | i | Z | | 51 | 03 | | | |
| | WN | P | ZE | 09 | 51 | 14 | 97 34 | | 7.2 |
| | | e | Z | | 19 | | | | |
| | | e | ZNE | | 30 | | | | |
| | | S | ZNE | | 53 | 35 | | | |
| | | ScP | ZNE | 10 | 00 | 37 | | | |
| | | ScS | NE | | 04 | 04 | | | |
| | RX | eP | ZNE | 09 | 52 | 28 | 23 20 | 69 22 | 40 24 |
| | | e | Z | | 30 | | | | |
| | | e | Z | | 33.5 | | | | |
| | | e | Z | | 36 | | | | |
| | | e | Z | | 40 | | | | |
| | | eS | Z | | 55 | 49 | | | |
| | | Lq | NE | | 56 | 30 | | 190 21 | 360 27 |
| | | eLr | Z | | 58.0 | | 580 30 | | |
| | | M | ZNE | 10 | 01 | | 450 19 | 400 21 | 335 20 |
| | | eScP | Z | 10 | 01 | 46 | | | |
| | Origin: | | | 09 | 48 | 19.7 | 29.7S 177.8W | 45km USCGR | PAS 6.2-7 |
| | | | | | | | | | Felt: Raoul Is. MM7 |
| 26 | ON | eP | E | 11 | 48 | 18 | | | |
| | KP | eP | Z | 11 | 48 | 20 | | | |
| | | e | Z | | 30 | | | | |
| | CT | eP? | Z | 11 | 48 | 47 | | | |
| | | e | Z | | 55 | | | | |
| | | eS | Z | | 50 | 48 | | | |
| | WN | S | ZNE | 11 | 51 | 16 | | | |
| | RX | eP | Z | 11 | 50 | 15 | | | |
| | Origin: | | | 11 | 46 | 02.5 | 30.1S 177.4W | 50km USCGR | |
| | | | | | | | | | Felt: Raoul Is. MM3 |
| 26 | ON | eP | E | 12 | 53 | 51 | | | |
| | KP | eP? | Z | 12 | 53 | 55 | | | |
| | | e | Z | | 54 | 02 | | | |
| | | e | Z | | 14 | | | | |
| | CT | eP | Z | 12 | 54 | 06 | | | |
| | | e | Z | | 18 | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|----|------|---------------------|---------|-------|------|
| MAR | | e | Z | | 29 | | | | |
| | RX | eS | Z | 56 | 14 | | | | |
| | WN | eP | Z | 12 | 55 | | | | |
| | | S | ZNE | 12 | 56 | | | | |
| | Origin: | | | 12 | 51 | 29.9S 177.6W | 60km | USCGS | 4.5 |
| | | | | | | Felt: Raoul Is. MM1 | | | |
| 26 | ON | P | E | 13 | 27 | | | | |
| | | e | E | | 30 | | | | |
| | KP | eP | Z | 13 | 27 | | | | |
| | | i | Z | | 21 | | | | |
| | | i | Z | | 35 | | | | |
| | CT | eP | Z | 13 | 27 | | | | |
| | | i | Z | | 40 | | | | |
| | | e | Z | | 57 | | | | |
| | WN | eP | ZNE | 13 | 28 | | | | |
| | | e | ZNE | | 11 | | | | |
| | | S | ZNE | | 30 | | | | |
| | | L | E | | 40 | | | | |
| | RX | P | ZNE | 13 | 29 | | | | |
| | | i | Z | | 16 | | | | 6.3 |
| | | eS | Z | 13 | 32 | | | | |
| | | eLq | NE | | 33.3 | | 51 36 | 70 40 | |
| | | eLr | Z | | 34.7 | | | | |
| | | M | ZNE | | 36 | | | | |
| | Origin: | | | 13 | 25 | 29.8S 177.9W | 42km | USCGS | 6.1 |
| | | | | | | Felt: Raoul Is. MM5 | | | 5.9 |
| 26 | KP | P | Z | 14 | 38 | | | | |
| | CT | eP | Z | 14 | 39 | | | | |
| | | e | Z | | 24 | | | | |
| | Origin: | | | 14 | 34 | 18.0S 168.0E | 32km | USCGS | 4.9 |
| 26 | KP | P | Z | 19 | 01 | | | | |
| | CT | eP | Z | 19 | 01 | | | | |
| | | e | Z | | 39 | | | | |
| 26 | KP | eP | Z | 20 | 00 | | | | |
| | | epP | Z | | 42 | | | | |
| | Origin: | | | 19 | 47 | 44.4N 146.7E | 110km | USCGS | 5.6 |
| 26 | CT | eP | Z | 21 | 47 | | | | |
| | | i | Z | | 05 | | | | |
| | | PP | Z | | 50 | | | | |
| | | (P) | Z | 21 | 47 | | | | |
| | WN | P | Z | 21 | 47 | | | | |
| | | S | Z | | 57 | 3 6 | | | 6.7 |
| | | eL | Z | | 22 | 2 24 | | | |
| | | M | Z | | 17 | | | | |
| | Origin: | | | 21 | 34 | 14 26 | 33km | USCGS | 5.9 |
| | | | | | | 36.ON 135.7E | | | |
| 27 | ON | P | E | 08 | 43 | | | | |
| | TU | eP | Z | 08 | 43 | | | | |
| | | e | Z | | 44 | | | | |
| | | e | Z | | 19 | | | | |
| | KP | P | Z | 08 | 43 | | | | |
| | | e | Z | | 32 | | | | |
| | | e | Z | | 44 | | | | |
| | TO | eP | Y | 08 | 43 | | | | 5.1 |
| | | e | Y | | 45 | | | | |
| | WN | S | ZNE | 08 | 45 | | | | 5.5 |
| | GP | eS | N | 08 | 46 | | | | 5.5 |
| | Origin: | | | 08 | 41 | 33.5S 178.1W | N NZ(D) | | 5.4 |

Additional readings from South Pole, Charters Towers, Umea, Skalistuga, Uppsala used to determine epicentre

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|--------|-----|----|------|---------------------|---------------------|--------|-------------------|
| MAR 27 | ON | eP | E | 21 | 41 | | | | |
| | | e | E | | 50 | | | | |
| | KP | eP | Z | 21 | 41 | | | | |
| | WN | eS | ZNE | 21 | 44 | | | | |
| | | eL | Z | | 46.4 | | | | |
| | | | | | | 1 20 | | | |
| | | | | | | Felt: Raoul Is. MM1 | | | |
| 28 | KP | PKP | Z | 00 | 35 | | | | |
| | | SKP | Z | | 39 | | | | |
| | WN | PKP | Z | 00 | 35 | | 2 4 | | |
| | | PP | Z | | 39 | | 2 12 | | |
| | | SKKS | Z | | 50 | | 3 22 | | |
| | | (PPS) | Z | | 52 | | 3 19 | | |
| | | eSS | ZE | | 58 | | | 2 16 | |
| | | (PSPS) | ZE | 01 | 00 | | 11 38 | | |
| | | Lr | Z | | 28.3 | | 25 54 | | |
| | | M | ZNE | | 35 | | 37 27 | 21 26 | 6.8 |
| | RX | eSKKS | N | 00 | 50 | | | 3 20 | |
| | | e | N | | 53 | | | 2 14 | |
| | | e | E | 01 | 00 | | | 5 18 | |
| | | e | N | 01 | 01 | | | | |
| | | eLq | E | | 23 | | | | 14 32 |
| | | eL | Z | | 35 | | | | |
| | Origin: | | | 00 | 15 | 47.5 | 66.3N | 19.6W | 15km |
| | | | | | | | | | USCGS PAS 7-7 1/2 |
| 28 | KP | eP | Z | 06 | 56 | | | | |
| | | e | Z | | 41 | | | | |
| | WN | eL | Z | 06 | 59 | | | 1 28 | |
| 28 | ON | P | E | 11 | 14 | | | | |
| | KP | eP | Z | 11 | 14 | | | | |
| | | i | Z | | 59 | | | | |
| | CT | P | Z | 11 | 14 | | | | |
| | | i | Z | | 15 | | | | |
| | | S | Z | | 16 | | | | |
| | WN | eP | Z | 11 | 15 | | | | 5.4 |
| | | e | Z | | 34 | | | | |
| | | S | ZNE | | 17 | | | | |
| | | eLq | NE | | 18 | | | 3 32 | 5 26 |
| | | eLr | Z | | 54 | | | 5 32 | |
| | | M | ZNE | | 20 | | | 9 21 | 4 32 |
| | RX | P | Z | 11 | 16 | | | | 6 22 |
| | | eS | Z | | 19 | | | | |
| | | eL | NE | | 21.5 | | | | 4 28 |
| | | eL | Z | | 23 | | | | 4 25 |
| | Origin: | | | 11 | 12 | 31.3 | 30.2S | 177.8W | 38km |
| | | | | | | | | | USCGS |
| | | | | | | | Felt: Raoul Is. MM3 | | |
| 28 | WN | eL | Z | 14 | 53 | | | 1 24 | |
| 28 | KP | 1P | Z | 16 | 22 | | | | |
| | CT | P | Z | 16 | 22 | | | | |
| | WN | P | ZNE | 16 | 22 | | | | |
| | Origin: | | | 16 | 18 | 40.7 | 19.0S | 178.7W | 568km |
| | | | | | | | | | USCGS 4.6 |
| 28 | WN | eL | Z | 21 | 02 | | | 2 20 | |
| 28 | WN | eP? | Z | 23 | 31 | | | | |
| | | i | Z | | 30.5 | | | | |
| | | S | ZNE | | 34 | | | | |
| | | L | ZNE | | 35.5 | | | 4 32 | 12 30 |
| | | M | ZNE | | 39 | | | 21 20 | 22 24 |
| | ON | eP | E | 23 | 31 | | | | |
| | | i | E | | 33 | | | | |
| | | e | E | | 44 | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----------------|---------------------|-------|-------|------|
| MAR | TU | eP | Z 23 31 31 | | | | |
| | | eS | Z 23 33 24 | | | | |
| | KP | P | Z 23 31 34.5 | | | | |
| | | e | Z 23 31 48 | | | | |
| | CT | eP | Z 23 31 54 | | | | |
| | | e | Z 23 32 08 | | | | |
| | Origin: | | 23 29 14.6 | 29.6S 177.5W | 54km | USCGS | 5.1 |
| | | | | Felt: Raoul Is. MM4 | | | |
| 29 | ON | eP | Z 05 42 39 | | | | |
| | TU | eP | Z 05 42 39 | | | | |
| | | eS | Z 05 43 56 | | | | |
| | KP | P | Z 05 42 44 | | | | |
| | | e | Z 05 42 55 | | | | |
| | CT | eP | Z 05 42 59 | | | | |
| | WN | S | ZNE 05 45 03.5 | | | | |
| 29 | KP | eP | Z 06 11 33 | | | | |
| | CT | eP | Z 06 11 43 | | | | |
| | WN | eL | Z 06 21 | | | | |
| | Origin: | | 06 05 19.9 | 10.3S 160.7E | 32km | USCGS | 5.0 |
| 29 | WN | eL | Z 14 32.8 | | | | |
| 29 | WN | eL | Z 18 43.2 | 1 26 | | | |
| 29 | ON | eP | E 21 18 53 | | | | |
| | | i | E 21 18 55 | | | | |
| | TU | eP | Z 21 18 56 | | | | |
| | | eS | Z 21 20 44 | | | | |
| | KP | eP | Z 21 18 57 | | | | |
| | | e | Z 21 19 08 | | | | |
| | CT | eP | Z 21 19 13 | | | | |
| | | e | Z 21 21 | | | | |
| | | eS | Z 21 17 | | | | |
| | WN | eP | Z 21 19 47 | | | | |
| | | S | ZNE 21 50 | | | | |
| | | eL | Z 23 | 1 34 | | | |
| | Origin: | | 21 16 43.7 | 30.2S 177.7W | 60km | USCGS | 5.0 |
| | | | | Felt: Raoul Is. MM3 | | | |
| 29 | KP | eP | Z 23 25 29 | | | | |
| | CT | e(P) | Z 23 35 50 | | | | |
| | WN | eL | Z 23 44 | 1 12 | | | |
| | Origin: | | 23 30 43 | 18.0S 168.5E | 35km | USCGS | |
| 30 | WN | S | ZNE 00 26 07 | | | | |
| | | eL | Z 28.2 | | | | |
| | | M | Z 30 | 1 18 | | | |
| 30 | KP | P | Z 01 57 47.0 | | | | |
| | | eS | Z 02 01 27 | | | | |
| | | ScP | Z 02 05 22 | | | | |
| | CT | P | Z 01 57 59 | | | | |
| | WN | iP | ZNE 01 58 18 us | 20 6 | 13 5 | 5 4 | 6.8 |
| | | S | ZNE 02 02 12 | 15 12 | 24 4 | 22 24 | |
| | | PcS | ZNE 05 42 | | | | |
| | | ScS | NE 09 10 | | | | |
| | RX | P | Z 01 58 50.5 | | | | |
| | | iS | NE 02 03 12 ne | | 10 17 | 19 15 | 6.4 |
| | Origin: | | 01 53 28.8 | 19.1S 169.1E | 160km | USCGS | 6.1 |
| 30 | WN | eL | Z 11 28 24 | 1 20 | | | |
| 30 | TU | eP | Z 11 39 44 | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|----------------|---------------------|-------|-------|------|
| MAR | KP | eS | Z 41 34 | | | | |
| | | e(P) | Z 11 39 55 | | | | |
| | WN | S | ZNE 11 42 42 | | | | |
| | | L | ZNE 44.4 | 2 20 | | | |
| | | M | ZE 46.5 | 4 14 | | 3 18 | |
| | RX | eL | NE 11 47 | | | 21 22 | |
| | Origin: | | 11 37 27.7 | 30.1S 176.9W | 33km | USCGS | |
| | | | | Felt: Raoul Is. MM3 | | | |
| 30 | KP | eP | Z 17 04 33 | | | | |
| | | eP | Z 17 04 48 | | | | |
| | WN | i | Z 06 30 | | | | |
| | | eSKS | ZNE 15.5 | | | | |
| | | Lr | ZNE 33 | 5 24 | 3 22 | 2 20 | 6.0 |
| | | M | ZNE 37 | | | 15 12 | |
| | RX | eSKS | NE 17 16 00 | | 2 24 | 2 20 | 6.0 |
| | | eL | NE 26 | | | 2 20 | 6.3 |
| | Origin: | | 16 51 56.6 | 44.2N 148.0E | 33km | USCGS | |
| 30 | WN | eL | ZE 21 47 | 1 30 | | 1 25 | |
| 31 | WN | S | ZNE 04 09 42 | | | | |
| | | eL | Z 12 42 | 1 18 | | | |
| 31 | WN | eSKS | E 05 09.9 | | | | |
| | | ePS | ZE 12 20 | 1 18 | | | |
| | | eLr | ZE 30.5 | 2 28 | | 2 28 | |
| | Origin: | | 04 46 00.8 | 6.5S 81.1W | 33km | USCGS | 5.2 |
| 31 | ON | P | E 05 33 05 | | | | |
| | TU | eP | Z 05 33 05 | | | | |
| | | e | Z 15.5 | | | | |
| | | e | Z 24 | | | | |
| | | S | Z 34 56 | | | | |
| | KP | P | Z 05 33 07 | | | | |
| | | i | Z 21 | | | | |
| | WN | eP | ZNE 05 33 50.5 | 8 36 | | | 6.2 |
| | | S | ZNE 36 02 | | | | |
| | | L | ZNE 37.0 | 75 22 | 64 38 | 80 36 | |
| | RX | P | ZNE 05 34 59 | 19 1 | 6 22 | 3 22 | |
| | | eL | NE 39.3 | | 29 35 | 42 24 | |
| | | M | NE 42 | | 47 21 | 39 19 | |
| | Origin: | | 05 30 49.3 | 29.9S 177.7W | 48km | USCGS | 5.7 |
| | | | | Felt: Raoul Is. MM5 | | | |
| 31 | KP | P | Z 07 15 06 | | | | |
| | | PcP | Z 17 12 | | | | |
| | WN | P | ZNE 07 15 22 | 3 20 | | | 6.8 |
| | | PP | Z 17 10 | 2 20 | | | |
| | | S | ZNE 21 36 | 4 16 | 6 16 | 6 20 | 6.2 |
| | | L | ZNE 24.9 | 6 36 | 36 26 | 24 38 | |
| | | M | Z 29 | 25 24 | | | |
| | RX | S | NE 07 21 54 | | 7 18 | 6 18 | 6.2 |
| | | eSS | NE 25.5 | | 3 12 | 6 20 | |
| | | eL | NE 28.2 | | 8 23 | 6 21 | |
| | Origin: | | 07 07 36.3 | 6.1S 149.0E | 60km | USCGS | 5.7 |
| 31 | ON | eP | E 08 14 57 | | | | |
| | TU | e(P) | Z 08 15 01 | | | | |
| | | eS | Z 08 16 47 | | | | |
| | KP | e(P) | Z 08 15 04 | | | | |
| | WN | eS | ZNE 08 18 03 | | | | |
| | | eL | Z 20 | | | | |
| | | M | Z 22 | 5 20 | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|---------|--------------|---------------------|-------|-------|------|
| MAR | RX | eL | NE 08 22 | | 3 15 | 3 22 | |
| | | Origin: | 08 12 40.5 | 29.7S 176.9W | 60km | USCGS | 4.1 |
| | 31 ON | eP | E 09 09 30.5 | | | | |
| | | e | E 33 | | | | |
| | TU | eP | Z 09 09 32 | | | | |
| | | e | Z 42 | | | | |
| | | S | Z 11 23 | | | | |
| | KP | eP | Z 09 09 33 | | | | |
| | | e | Z 47 | | | | |
| | WN | eP | ZNE 09 10 29 | | | | |
| | | S | ZNE 12 28 | | | | |
| | | eL | Z 14.7 | 1 35 | | | |
| | Origin: | Z | 09 07 20.1 | 30.1S 177.7W | 48km | USCGS | 5.2 |
| | | | | Felt: Raoul Is. MM4 | | | |
| | 31 WN | e | Z 09 53.1 | 1 22 | | | |
| | | eL | ZNE 57.3 | 1 21 | | | |
| | 31 WN | S | ZNE 10 50 17 | | | | |
| | | eL | E 52.6 | | | | |
| | | L | Z 53.6 | 1 18 | | | |
| | 31 WN | eL | Z 18 09 | 1 31 | | | |
| | Origin: | Z | 17 28 52.7 | 0.8N 96.6E | 33km | USCGS | |
| | 31 KP | eP | Z 19 25 02 | | | | |
| | | i | Z 07 | | | | |
| | | e | Z 19 | | | | |
| | ON | eP | E 19 25 04 | | | | |
| | TU | e(P) | Z 19 25 07 | | | | |
| | | e | Z 10 | | | | |
| | | S | Z 26 51 | | | | |
| | WN | eP | ZNE 19 25 51 | 3 32 | | | |
| | | e | ZN 26 01 | | | | 5.7 |
| | | S | ZNE 27 56 | | | | |
| | | eL | ZE 28.5 | | | | |
| | | M | ZE 31 | 34 22 | | 24 22 | |
| | RX | eP | Z 19 27 02 | | | | |
| | | eL | NE 31.5 | | 11 38 | 13 30 | |
| | | M | NE 34 | | 20 20 | 10 20 | |
| | Origin: | Z | 19 22 53.3 | 30.0S 178.0W | 50km | USCGS | 5.8 |
| | 31 WN | S | ZNE 19 33 31 | | | | |
| | 31 WN | S | ZNE 23 57 30 | | | | |
| | | eL | Z 00 00 | 1 16 | | | |
| APR | 1 WN | eS? | Z 02 34.7 | | | | |
| | | eSS | Z 37.4 | 1 30 | | | |
| | | eL | Z 40.0 | 2 28 | | | |
| | Origin: | Z | 02 19 56.8 | 6.0S 149.0E | 64km | USCGS | |
| | | | | Felt: New Britain | | | |
| | 1 TU | eP | Z 06 31 17 | | | | |
| | | e | Z 28 | | | | |
| | | eS | Z 32 14 | | | | |
| | KP | eP | Z 06 31 23 | | | | |
| | | eS | Z 32 26 | | | | |
| | CT | eP | Z 06 31 35 | | | | |
| | | e(S) | Z 32 41 | | | | |
| | TA | e? | Z 06 32 06 | | | | |
| | WN | eS | ZN 06 33 24 | | | | |
| | CB | eS | E 06 33 48 | | | | |
| | KM | eS | X 06 34 27 | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|--------------|--------------|---------|-------|-----------------|
| APR | GP | eS | N 06 34 29 | | | | |
| | Origin: | Z | 06 30 03 | 36S 178W | N NZ(D) | | 5.2 |
| | 1 KP | eP | Z 08 33 09 | | | | |
| | WN | eS | ZNE 08 36 07 | | | | 2 24 |
| | | eLq | E 37.2 | | | | |
| | | eLr | Z 37.9 | | | | |
| | RX | eL | NE 08 40 | | | | |
| | Origin: | Z | 08 30 34.6 | 29.2S 176.6W | 38km | USCGS | |
| | 1 WN | eS | NE 11 22 24 | | | | |
| | RX | eP | Z 11 21 26 | | | | |
| | Origin: | Z | 11 17 02.4 | 28.8S 178.8W | 33km | USCGS | |
| | 2 WN | eS | ZNE 03 37 50 | | | | |
| | | eL | NE 38 | | | | |
| | | eL | Z 39 | | | | |
| | | M | Z 41 | 2 18 | | | |
| | Origin: | Z | 03 33 05.9 | 31.0S 177.6W | 33km | USCGS | |
| | 2 CT | eP? | Z 04 46 07 | | | | |
| | | e(S) | Z 48 00 | | | | |
| | WN | eP? | Z 04 46 35 | | | | |
| | | eS | ZNE 48 52 | | | | |
| | | eL | NE 49.5 | | | | |
| | | eL | Z 50.6 | | | | |
| | | M | NE 52 | 15 20 | 14 18 | 11 20 | |
| | | M | Z 53 | | | | |
| | RX | eP | Z 04 47 47 | | | | |
| | | eL | NE 53 | | | | 9 20 |
| | | M | E 54 | | | | |
| | | M | N 55 | | | | |
| | Origin: | Z | 04 43 30.9 | 29.7S 177.1W | 51km | USCGS | |
| | 2 KP | eP | Z 05 08 14 | | | | |
| | WN | eS | ZNE 05 16 28 | | | | |
| | Origin: | Z | 05 05 06.2 | 29.7S 177.0W | 36km | USCGS | |
| | 2 RX | eP? | Z 05 24 50 | | | | |
| | WN | eS | NE 05 25 31 | | | | |
| | Origin: | Z | 05 20 48.1 | 31.1S 177.5W | 33km | USCGS | |
| | 2 WN | eS | ZNE 11 30 36 | | | | |
| | Origin: | Z | 11 25 24.8 | 30.1S 177.1W | 48km | USCGS | |
| | 3 KP | eP | Z 11 24 15 | | | | |
| | WN | eP | ZNE 11 25 02 | | | | |
| | | eS | ZNE 27 10 | | | | |
| | | eL | E 28 | | | | |
| | | eL | Z 29 | | | | |
| | | eL | N 30 | | | | |
| | | M | Z 31 | 5 21 | | | |
| | RX | eP | Z 11 26 05 | | | | |
| | | eL | E 31 | | | | |
| | | eL | N 33 | | | | |
| | Origin: | Z | 11 21 49.0 | 29.6S 177.2W | 48km | USCGS | |
| | 3 RX | eP | Z 14 55 29 | | | | |
| | | eS | NE 15 04 42 | | | | |
| | | e(Lq) | NE 04.9 | | | | |
| | | M | NE 09 | | | | 14 17 14 17 6.1 |
| | CT | eP | Z 14 55 31 | | | | |
| | KP | eP | Z 14 55 37 | | | | |
| | WN | ePP | ZN 14 56 56 | | | | |
| | | eS | ZNE 15 01 32 | 9 7 | | | |
| | | | | 2 36 | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|-------|---------|-------|-----|------------|-----------------|-------|-------|------|
| APR 8 | KP | eP | Z | 20 57 10 | | | | |
| | Origin: | | | 20 50 58.8 | 10.4S 161.4E | 33km | USCGS | |
| | 8 KP | eP | Z | 22 40 36 | | | | |
| | Origin: | | | 22 37 29.6 | 24.7S 179.8E | 424km | USCGS | |
| | 9 KP | eP | Z | 02 06 29 d | | | | |
| | | e(sP) | Z | 07 52 | | | | |
| | | e | Z | 09 04 | | | | |
| | WN | eP | Z | 02 06 57 | | | | |
| | | e? | Z | 08 33 | | | | |
| | | eS | E | 10 40 | | | | |
| | RX | eP | Z | 02 07 44 | | | | |
| | Origin: | | | 02 02 25.1 | 17.7S 178.7W | 538km | USCGS | |
| | 9 KP | eP | Z | 04 37 13 | | | | |
| | WN | eL | Z | 04 44 | | | | |
| | Origin: | | | 04 32 26.3 | 17.8S 168.0E | 35km | USCGS | |
| | | | | | Felt: Port Vila | | | |
| | 9 KP | eP | Z | 15 01 49 | | | | |
| | WN | eL | Z | 15 14 | | | | |
| | | M | Z | 17 | 2 20 | | | |
| | Origin: | | | 14 54 04.5 | 4.0S 151.0E | 33km | USCGS | |
| | 9 KP | eP | Z | 23 03 29 | | | | |
| | CT | eP | Z | 23 03 41 | | | | |
| | WN | eL | Z | 23 13 | | | | |
| | | M | Z | 15 20 | | | | |
| | RX | eP | Z | 23 04 25 | | | | |
| | Origin: | | | 22 57 47.9 | 11.6S 166.1E | 64km | USCGS | |
| | 10 KP | eP | Z | 00 30 19 | | | | |
| | CT | eP | Z | 00 30 26 | | | | |
| | Origin: | | | 00 24 57.6 | 15.2S 173.1W | 33km | USCGS | |
| | 10 KP | eP | Z | 07 59 51 | | | | |
| | WN | eP | Z | 07 59 55 | | | | |
| | | eS | ZNE | 08 07 28 | | 3 30 | 5 34 | 5.4 |
| | | eSS | ZNE | 11 14 | 1 32 | | 1 24 | |
| | | e? | Z | 12 00 | 2 21 | | | |
| | | e | ZN | 14 05 | 6 22 | | | |
| | | eLr | ZNE | 15.7 | | | | |
| | | M | ZNE | 22 | 11 20 | 8 19 | 5 20 | 6.0 |
| | CT | eP | Z | 07 59 58 | | | | |
| | RX | eS | E | 08 07.1 | | | 3 24 | |
| | | eSS | NE | 11.0 | | | | |
| | | e(Lr) | E | 15 | | | | |
| | | eLr | ZN | 18 | | | | |
| | | M | N | 20 | | 8 18 | | |
| | | M | ZE | 23 | 11 18 | | 11 18 | 6.2 |
| | Origin: | | | 07 50 30.2 | 9.2S 125.0E | 33km | USCGS | |
| | 10 TU | e(P) | Z | 10 21 55 | | | | |
| | | e | Z | 23 05 | | | | |
| | | e | Z | 29 | | | | |
| | KP | eP? | Z | 10 21 58 | | | | |
| | | e | Z | 23 17 | | | | |
| | TA | eP? | Z | 10 21 58 | | | | |
| | | e | Z | 22 14 | | | | |
| | | e | Z | 23 46 | | | | |
| | CT | eP | Z | 10 21 59 | | | | |
| | | e | Z | 22 20 | | | | |
| | | e | Z | 23 31 | | | | |
| | | e | Z | 24 09 | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|--------------|---------------|-------|-------|------|
| APR | ON | e | E | 10 23 42 | | | | |
| | WN | e(S) | ZNE | 10 24 35 | | | | |
| | 10 KP | eP | Z | 11 47 42 | | | | |
| | CT | eP | Z | 11 47 50 | | | | |
| | 10 KP | eP? | Z | 12 31 27 | | | | |
| | Origin: | | | 12 27 35.8 | 18.4S 177.7W | 558km | USCGS | |
| | 11 WN | eL | Z | 10 07 | | | | |
| | 11 WN | eL | Z | 17 33 | | | | |
| | 11 KP | eP | Z | 18 26 33 | | | | |
| | CT | eP | Z | 18 26 42 | | | | |
| | | e(S) | Z | 28 54 | | | | |
| | | eS | Z | 29 04 | | | | |
| | | eP | Z | 18 27 07 | | | | |
| | WN | eS | ZNE | 29 38 | | | | |
| | 12 TU | 1P* | Z | 08 41 50.8 | | | | |
| | WK | 1P* | Z | 08 41 54.6 u | | | | |
| | CT | 1P* | Z | 08 42(05.4) | | | | |
| | KP | 1P* | Z | 08 42 06.0 u | | | | |
| | TA | eP | Z | 08 42 16.5 | | | | |
| | | eP* | Z | 18.2 | | | | |
| | | ePg | Z | 20.0 | | | | |
| | | ePg | Z | 47 | | | | |
| | WN | ePn | Z | 08 42 29.0 | | | | 6.2 |
| | | eP* | Z | 37.5 | | | | |
| | | eSn | NE | 43 06 | | | | |
| | | eSg | NE | 27 | | | | |
| | ON | ePn | E | 08 42 32 | | | | 5.4 |
| | | eP* | E | 44 | | | | |
| | | ePg | E | 52.2 | | | | |
| | | eS* | E | 43 30 | | | | |
| | | eSg | E | 38 | | | | |
| | CB | ePn | E | 08 42 42.0 | | | | |
| | KM | ePn | X | 08 43 07 | | | | 6.4 |
| | | eP* | X | 25 | | | | |
| | | ePg | X | 34 | | | | |
| | GP | ePn | N | 08 43 10.1 | | | | 6.3 |
| | | eP* | N | 15 | | | | |
| | | ePg | N | 37 | | | | |
| | | eS | N | 44 11 | | | | |
| | RX | ePn | Z | 08 43 49.1 | | | | |
| | | eP* | Z | 44 15 | | | | |
| | | ePg | Z | 37 | | | | |
| | | eSn | Z | 45 26 | | | | |
| | Origin: | | | 08 41 43.6 | 38.7S 176.62E | 12km | NZ(A) | 6.0 |
| | 12 ON | eP | E | 20 53 10 | | | | |
| | KP | eP | Z | 20 53 22 | | | | |
| | TU | eP | Z | 20 53 24 | | | | |
| | | e? | Z | 54 03 | | | | |
| | CT | eP | Z | 20 53 32 | | | | |
| | | e? | Z | 54 01 | | | | |
| | TA | eP | Z | 20 53 38 | | | | |
| | KM | eP | X | 20 54 16 | | | | |
| | GP | eP | N | 20 54 21 | | | | |
| | | e | N | 29 | | | | |
| | | e | N | 49 | | | | |
| | 12 WN | eL | Z | 21 01.4 | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|--------------|-------|--------|-------|---------------|
| APR | CT | eP | Z | 02 15 46 | | | | |
| | Origin: | | | 02 05 52 | 1.3S | 126.9E | 33km | USCGS |
| 16 | KP | eP | Z | 05 35 59 | | | | |
| | CT | eP | Z | 05 36 09 | | | | |
| | Origin: | | | 05 31 59.2 | 18.4S | 177.7W | 557km | USCGS |
| 16 | KP | eP | Z | 12 13 31 | | | | |
| 17 | WN | eL | ZE | 00 37.3 | | | | |
| | M | Z | | 38 | 2 23 | | | |
| | RX | eL | NE | 39 | | | | |
| 17 | RX | e | NE | 01 28.1 | | | 3 22 | |
| | eL | ZN | | 39 | | | | |
| | eL | E | | 41 | | | | |
| | M | E | | 44 | | | 7 20 | |
| | WN | e | Z | 01 28.3 | 2 30 | | | |
| | eL | ZE | | 01 38 | | | | |
| | M | ZE | | 40 | 9 34 | | | |
| | eL | N | | 44 | | | 5 32 | |
| 17 | KP | eP | Z | 02 15 43 | | | | |
| | eS | Z | | 19 22 | | | | |
| | CT | eP | Z | 02 15 55 | | | | |
| | e | Z | | 19 44 | | | | |
| | WN | eP | Z | 02 16 18 d | | | | |
| | e | ZNE | | 45 | | | | |
| | eS | ZNE | | 20 12 | | | | |
| | e(SS) | ZNE | | 56 | | | | |
| | eL | ZNE | | 22 | | | | |
| | M | ZNE | | 25 | 90 14 | 62 14 | 37 15 | |
| | RX | eP | ZN | 02 17 11 | | | | |
| | eS | NE | | 21 38 | | 13 20 | 12 18 | 6.2 |
| | e | Z | | 22.2 | | | | |
| | eL | NE | | 02 25 | | | | |
| | eL | Z | | 26 | | | | |
| | M | ZNE | | 26 | 21 16 | 22 16 | 42 15 | |
| | Origin: | | | 02 11 26.1 | 19.6S | 178.6E | 33km | USCGS 6.1-6.2 |
| 17 | KP | eP | Z | 08 28 40 | | | | |
| | CT | eP | Z | 08 28 47 | | | | |
| | Origin: | | | 08 23 34.0 | 15.7S | 174.1W | 124km | USCGS |
| 17 | KP | iP | Z | 12 18 24.6 u | | | | |
| | CT | eP | Z | 12 18 38 | | | | |
| | Origin: | | | 12 13 34.3 | 18.4S | 173.8W | 33km | USCGS |
| 17 | WN | eLr | Z | 19 04 | | | | |
| | RX | eL | N | 19 06 | | | | |
| | Origin: | | E | 09 | 54.9S | 28.2W | 26km | USCGS |
| 18 | KP | iP | Z | 01 55 40.6 d | | | | |
| | CT | eP | Z | 01 55 49 | | | | |
| | e | Z | | 59 02 | | | | |
| | WN | eP | ZNE | 01 56 13 | | | | |
| | eL | Z | | 02 13.2 | | | | |
| | Origin: | | | 01 51 55.2 | 20.3S | 177.7W | 530km | USCGS |
| 18 | KP | eP? | Z | 03 28 09 | | | | |
| | Origin: | | | 03 23 07.2 | 13.2S | 176.5W | 403km | USCGS |
| 18 | WN | eL | Z | 22 27 | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|------------|-------|--------|-------|-----------------------|
| APR | | M | Z | 42 | | | | |
| | Origin: | | | 22 01 07.7 | 1.3S | 128.8E | 33km | USCGS |
| 19 | WN | eL | Z | 04 16 | | | | |
| | Origin: | | | 03 47 22.7 | 9.8S | 120.5E | 33km | USCGS |
| 19 | WN | ePP | Z | 07 53 48 | | 2 24 | | |
| | eSKS | ZE | | 08 00 04 | | 2 24 | | |
| | eSP | ZNE | | 03 02 | | 1 36 | 9 40 | 11 40 |
| | eSS | ZN | | 08.2 | | 16 50 | 5 28 | 8 28 |
| | e | NE | | 10.0 | | | 8 28 | 12 32 |
| | e(SSS) | ZNE | | 13.6 | | 20 30 | 17 29 | 17 28 |
| | e | ZNE | | 16 | | | | |
| | eLq | ZNE | | 21 | | 17 40 | 83 44 | 50 38 |
| | eLr | ZNE | | 24 | | 29 20 | 7 18 | 17 22 |
| | RX | eSKS | NE | 08 00 04 | | | 3 20 | |
| | eSP | NE | | 02 58 | | | 6 20 | 7 20 |
| | eSS | NE | | 07.8 | | | 5 22 | 7 22 |
| | eSSS | NE | | 12.6 | | | 7 22 | 8 18 |
| | e | NE | | 15.0 | | | 8 26 | 8 24 |
| | e(Lq) | NE | | 18 | | | 14 28 | 14 25 |
| | eLr | Z | | 24.7 | | | | |
| | M | ZNE | | 38 | | 24 23 | 9 20 | 4 23 |
| | Origin: | | | 07 35 23.7 | 35.8N | 96.9E | 33km | USCGS 7 PAS 6.1-7 BER |
| 19 | TU | eP | Z | 10 28 14.7 | | | | |
| | eS | Z | | 29 21 | | | | |
| | ON | E | | 10 28 18 | | | | 4.6 |
| | KP | eP | Z | 10 28 18.4 | | | | |
| | TA | e | Z | 10 28 47 | | | | |
| | CT | eP | Z | 10 28 29 | | | | |
| | e | Z | | 49 | | | | |
| | eS | Z | | 29 45 | | | | |
| | WN | eS | ZNE | 10 30 30 | | | | 5.5 |
| | CB | E | | 10 30 52 | | | | 5.3 |
| | KM | eS | X | 10 31 31 | | | | 5.2 |
| | GP | eS | N | 10 31 36 | | | | 5.7 |
| | Origin: | | | 10 26 49 | 34.5S | 178.1W | 100km | NZ(D) 5.2 |
| 19 | CT | eP | Z | 16 29 59 | | | | |
| | KP | eP | Z | 16 30 04 | | | | |
| | WN | eL | Z | 16 55 | | | | |
| | M | Z | | 17 00 | | 2 22 | | |
| | RX | eL | N | 16 59 | | | | |
| 19 | KP | eP | Z | 16 38 33 | | | | |
| | Origin: | | | 16 28 52.3 | 1.3S | 128.8E | 33km | USCGS |
| 19 | KP | eP | Z | 22 46 55 | | | | |
| | CT | eP | Z | 22 46 58 | | | | |
| | e | Z | | 49 04 | | | | |
| | WN | eL | Z | 22 52 | | | | |
| | Origin: | | | 22 44 16.8 | 29.9S | 177.7W | 41km | USCGS |
| 20 | KP | eP? | Z | 01 17 46 | | | | |
| | WN | eL | Z | 01 36 | | | | |
| | M | Z | | 39 | | 1 26 | | |
| | Origin: | | | 01 07 57.8 | 1.2S | 128.9E | 28km | USCGS |
| 20 | KP | eP | Z | 08 16 24 | | | | |
| 21 | KP | eP? | Z | 01 02 53 | | | | |
| | Origin: | | | 00 57 56.6 | 16.6S | 178.3W | 33km | USCGS |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|---------|-----|------|------|------|-------|--------|-------|-------|
| APR 21 | KP | eP | Z | 04 | 50 | 26 | | | | |
| | | epP | Z | | | 37 | | | | |
| | | CT | Z | 04 | 50 | 30 | | | | |
| | | epP | Z | | | 41 | | | | |
| | Origin: | | | 04 | 38 | 21.7 | 24.1N | 122.1E | 33km | USCGS |
| 21 | KP | eP | Z | 10 | 46 | 31 | | | | |
| | | CT | Z | 10 | 46 | 39 | | | | |
| | | e | Z | | | 51 | | | | |
| | WN | eS | ZNE | 10 | 53.4 | | | | | |
| | | e | E | | | 57.2 | | | | |
| | | e | Z | | | 58.3 | | | | |
| | | eL? | N | | | 59.4 | | | | |
| | | eL | Z | | | 59.8 | 5 | 40 | | |
| | | eL | N | | | 04.3 | | | | |
| | | M | ZN | | | 04.5 | 2 | 17 | 2 | 18 |
| | RX | e | E | 10 | 57 | 26 | | | | |
| e | | N | | | 58 | 20 | | | | |
| | eL | E | 11 | 04.5 | | | | | | |
| | eL | ZN | | | 06.3 | | | | | |
| | Origin: | | | 10 | 38 | 30.0 | 3.28 | 146.9E | 33km | USCGS |
| 22 | KP | eP | Z | 01 | 57 | 06 | | | | |
| | | TU | Z | 01 | 57 | 17 | | | | |
| | Origin: | | | 01 | 48 | 09.0 | 7.08 | 129.2E | 135km | USCGS |
| 22 | KP | eP? | Z | 07 | 27 | 48 | | | | |
| | | eP | Z | | | 52 | | | | |
| | | e | Z | | | 28 | 04 | | | |
| | | e | Z | | | 42 | | | | |
| | CT | eP | Z | 07 | 28 | 06 | | | | |
| | | e | Z | | | 22 | | | | |
| | | e | Z | | | 30 | 00 | | | |
| | WN | eP | ZNE | 07 | 28 | 36 | | | | |
| | | e | ZNE | | | 30 | 39 | | | |
| | | eL | ZNE | | | 32 | | | | |
| | | M | Z | | | 33 | | | | |
| RX | eP | Z | 07 | 29 | 41 | | | | | |
| | e | Z | | | 30 | 00 | | | | |
| | Origin: | | | 07 | 25 | 30.8 | 29.98 | 177.6W | 33km | USCGS |
| 22 | KP | eP | Z | 08 | 38 | 08 | | | | |
| | | e | Z | | | 22 | | | | |
| | CT | Z | 08 | 38 | 13 | | | | | |
| | Origin: | | | 08 | 30 | 30.5 | 5.18 | 154.1E | 132km | USCGS |
| 22 | KP | eP | Z | 15 | 11 | 24 | | | | |
| | | CT | Z | 15 | 11 | 36 | | | | |
| | Origin: | | | 15 | 06 | 53.6 | 19.88 | 175.4W | 53km | USCGS |
| 22 | RX | ePKP? | Z | 15 | 57 | 50 | | | | |
| | | KP | Z | 15 | 57 | 57 | | | | |
| | | CT | Z | 15 | 57 | 57 | | | | |
| | | Origin: | | | 15 | 38 | 19.1 | 41.3N | 39.0E | 33km |
| 23 | KP | eP | Z | 02 | 50 | 45 | | | | |
| | | CT | Z | 02 | 50 | 56 | | | | |
| | RX | Z | 02 | 51 | 40 | | | | | |
| | WN | Z | 03 | 01 | | | | | | |
| | Origin: | | | 02 | 45 | 04.7 | 11.48 | 165.9E | 97km | USCGS |
| 23 | CT | eP | Z | 07 | 31 | 48 | | | | |
| | | eP | Z | 07 | 31 | 54 | | | | |
| | Origin: | | | 07 | 19 | 44.8 | 60.78 | 24.7W | 33km | USCGS |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|---------|-----|-----|------|--------|---|--------|--------|-------|
| APR 23 | KP | eP | Z | 15 | 37 | 54 | | | | |
| | | Origin: | | | 15 | 32 | 50.1 | 17.88 | 178.7W | 535km |
| 23 | KP | eP | Z | 19 | 00 | 08 | | | | |
| | | epP | Z | | | 42 | | | | |
| | | CT | Z | 19 | 00 | 50 | | | | |
| | Origin: | | | 18 | 52 | 24.4 | 5.18 | 146.1E | 134km | USCGS |
| 23 | KP | eP? | Z | 19 | 53 | 06 | | | | |
| | | CT | Z | 19 | 53 | 15 | | | | |
| | | Origin: | | | 19 | 49 | 58.6 | 23.88 | 179.9E | 540km |
| 24 | KP | 1P | Z | 03 | 59 | 49.0 d | | | | |
| | | eP | Z | 03 | 59 | 59 | | | | |
| | CT | eP | Z | 04 | 04 | 07 | | | | |
| | | eS | ZNE | 04 | 00 | 21 | | | | |
| WN | eP | Z | 04 | 01 | 16 | | | | | |
| RX | eP | Z | 03 | 55 | 06.6 | | | | | |
| | Origin: | | | 06 | 01 | 33 | | | | |
| 24 | KP | eP | Z | 06 | 20 | | | | | |
| | | WN | Z | 05 | 51 | 44.1 | | | | |
| | Origin: | | | 05 | 51 | 44.1 | 1.18 | 127.2E | 33km | USCGS |
| 24 | KP | eP | Z | 13 | 44 | 04 | | | | |
| | | Origin: | | | 13 | 32 | 12.2 | 27.0N | 128.8E | 33km |
| 24 | CT | eP | Z | 20 | 51 | 11 | | | | |
| | | eS | Z | | | 48 | | | | |
| | TU | e | Z | 20 | 52 | 17 | | | | |
| | | e | ZNE | 20 | 53 | 24 | | | | |
| WN | eS | Z | 20 | 48 | 16.4 | | | | | |
| | Origin: | | | 20 | 48 | 16.4 | 30.18 | 177.8W | 33km | USCGS |
| 24 | KP | eP | Z | 21 | 46 | 23 | | | | |
| | | CT | Z | 21 | 46 | 33 | | | | |
| | WN | eP | ZN | 21 | 46 | 51 | | | | |
| | | eP | Z | 21 | 47 | 46 | | | | |
| | Origin: | | | 21 | 42 | 49.0 | 20.88 | 179.1W | 603km | USCGS |
| 25 | KP | eP | Z | 08 | 22 | 38 | | | | |
| | | RX | Z | 08 | 22 | 38 | | | | |
| | CT | eP | Z | 08 | 22 | 43 | | | | |
| | | eP | ZNE | 08 | 22 | 44 | | | | |
| WN | eL | Z | | | 45 | | | | | |
| | Origin: | | | 08 | 12 | 57.2 | 4.7N | 122.4E | 610km | USCGS |
| 25 | TU | eP | Z | 09 | 34 | 13 | | | | |
| | | eS | Z | | | 35 | 23 | | | |
| | KP | eP | Z | 09 | 34 | 16 | | | | |
| | | ON | E | 09 | 34 | 23 | | | | |
| | CT | eP | Z | 09 | 34 | 27 | | | | |
| | | eS | Z | | | 35 | 50 | | | |
| | TO | eP | Y | 09 | 34 | 33 | | | | |
| | | eS | Y | | | 35 | 45 | | | |
| | TA | eP | Z | 09 | 34 | 36 | | | | |
| | | e | Z | | | 51 | | | | |
| WN | eS | Z | 09 | 36 | 26 | | | | | |
| | eL | Z | | | 09 | 38 | | | | |
| GP | eS | N | 09 | 37 | 30 | | | | | |
| | Origin: | | | 09 | 32 | 40 | | | | |
| | | | | | | | 1 | 20 | | |
| | | | | | | | 358 | 177W | 100km | NZ(D) |
| | | | | | | | Additional readings from Charters Towers used to determine epicentre. | | | |
| 25 | KP | eP | Z | 16 | 45 | 36 | | | | |
| | | eP | Z | 16 | 45 | 47 | | | | |
| | | WN | eP | ZNE | 16 | 45 | 49 | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | | |
|---------|-----|---------|-----|-----|-------|-------|--------|-------|--------|-------|-------|
| APR | RX | eS | ZN | 53 | 44 | | | | | | |
| | | eL | ZNE | 17 | 00 | | | | | | |
| | | M | Z | 10 | | 4 | 22 | | | | |
| | | eL | E | 17 | 08 | | | | | | |
| Origin: | | | 16 | 35 | 56.2 | 1.3S | 128.7E | 33km | USCGS | | |
| 25 | KP | eP | Z | 17 | 54 | 05 | | | | | |
| | | CT | eP | Z | 17 | 54 | 15 | | | | |
| | | eS | Z | | | 29 | | | | | |
| Origin: | | | 17 | 50 | 25.3 | 21.6S | 178.0W | 380km | USCGS | | |
| 26 | KP | eP | Z | 01 | 03 | 52 | | | | | |
| | | CT | eP | Z | 01 | 04 | 02 | | | | |
| | | e(S) | Z | | | 36 | | | | | |
| | | eP | Z | 01 | 04 | 25 | | | | | |
| Origin: | | | | | 06 20 | | | | | | |
| 26 | KP | eP | Z | 08 | 23 | 05 | | | | | |
| | | CT | eP | Z | 08 | 23 | 14 | | | | |
| | | Origin: | | | 08 | 18 | 09.2 | 18.0S | 173.8W | 18km | USCGS |
| 26 | CT | e(P) | Z | 23 | 57 | 09 | | | | | |
| | | e(pP) | Z | | | 23 | | | | | |
| | | e(P) | Z | 23 | 57 | 12 | | | | | |
| Origin: | | | 23 | 45 | 01.2 | 24.1N | 122.5E | 33km | USCGS | | |
| 27 | KP | eP | Z | 08 | 38 | 48 | | | | | |
| | | CT | eP | Z | 08 | 38 | 54 | | | | |
| | | Origin: | | | 08 | 33 | 42.1 | 15.9S | 173.9W | 100km | USCGS |
| 27 | KP | eP | Z | 08 | 52 | 44 | | | | | |
| | | WN | eP | ZNE | 08 | 52 | 50 | | | | |
| | | eS | ZNE | 09 | 01 | 04 | | | | | |
| | | e(Lq) | ZNE | | | 07.3 | 3 | 52 | | | |
| | | M | NE | | | 09 | | | 12 | 40 | |
| | | eLr | Z | | | 11 | | | | 7 | 40 |
| | | M | Z | | | 16 | | | 12 | 22 | |
| | | CT | eP | Z | 08 | 52 | 52 | | | | |
| | | RX | eL | N | 09 | 07 | | | | | |
| | | Origin: | | | | | 13 | 0.6S | 128.4E | 33km | USCGS |
| 27 | CT | eP? | Z | 11 | 16 | 21 | | | | | |
| | | e(pP) | Z | | | 17 05 | | | | | |
| | | eP? | Z | 11 | 16 | 43 | | | | | |
| | | e(pP) | Z | | | 17 07 | | | | | |
| Origin: | | | 11 | 03 | 29.1 | 22.8S | 68.9W | 100km | USCGS | | |
| 27 | KP | eP | Z | 18 | 59 | 39 | | | | | |
| | | CT | eP | Z | 19 | 00 | 07 | | | | |
| | | Origin: | | | 18 | 54 | 34.3 | 16.5S | 172.6W | 33km | USCGS |
| 28 | WN | eL | Z | 02 | 19 | | | | | | |
| | | M | Z | | | 27 | 3 | 20 | | | |
| 28 | TU | ePn | Z | 09 | 56 | 51 | | | | | |
| | | e? | Z | | | 16 | | | | | |
| | | KP | iPn | Z | 09 | 56 | 57.3 u | | | | |
| | | CT | iP | Z | 09 | 57 | 06.9 | | | | |
| | | e(S*) | Z | | | 48 | | | | | |
| TO | ePn | Y | 09 | 57 | 07 | | | | | | |
| | | eSn | Y | | | 43 | | | | | |
| ON | ePn | E | 09 | 57 | 15 | | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | | |
|---------|------|---------|-----|----|------|-------|--------|-------|--------|-------|-------|
| APR | TA | eSn | Z | 09 | 57 | 56 | | | | | |
| | | ePn | Z | 09 | 57 | 19 | | | | | |
| | | e(S*) | Z | 09 | 57 | 10 | | | | | |
| | | ePn | ZNE | 09 | 57 | 31 | | | 5.2 | | |
| | | e | ZNE | | | 43 | | | | | |
| | | eSn | ZNE | | | 58 24 | | | | | |
| | | eS* | ZNE | | | 47 | | | | | |
| | | e? | Z | 09 | 57 | 36 | | | | | |
| | | e | E | 09 | 57 | 50 | | | 4.9 | | |
| | | e | E | | | 59 | | | | | |
| | | eSn | E | | | 58 48 | | | | | |
| | | ePn | N | 09 | 58 | 08 | | | 5.6 | | |
| | | eSn | N | | | 59 28 | | | | | |
| KM | RX | eSn | X | 09 | 59 | 25 | | | 5.1 | | |
| | | eSn | Z | 10 | 00 | 37 | | | | | |
| Origin: | | | 09 | 56 | 22 | 37.4S | 178.3E | N | NZ(C) | 5.2 | |
| 28 | KP | eP | Z | 14 | 20 | 13 | | | | | |
| | | CT | eP | Z | 14 | 20 | 22 | | | | |
| | | WN | eP | ZN | 14 | 20 | 41 | | | | |
| | | Origin: | | | 14 | 16 | 05.9 | 17.6S | 178.5W | 505km | USCGS |
| 28 | KP | eP | Z | 15 | 30 | 17 | | | | | |
| | | Origin: | | | 15 | 25 | 30.3 | 17.6S | 174.5W | 60km | USCGS |
| 29 | EX | eP | ZN | 14 | 56 | 23 | | | 4 12 | | |
| | | eS | NE | 15 | 00 | 14 | | | 7 12 | | |
| | | eL | ZNE | | | 01 | | | | | |
| | | M | NE | | | 02 | | | 3 15 | | |
| | | eP | Z | 14 | 57 | 10 | | | | | |
| | | eS | ZNE | 15 | 01 | 52 | | | | | |
| | | eL | Z | | | 03.7 | | | | | |
| | | eL | N | | | 04.2 | | | | | |
| | | M | ZNE | | | 05 | 6 | 18 | 6 | 16 | |
| | | M | ZNE | | | 05 | | | 4 | 15 | |
| CT | KP | eP | Z | 14 | 57 | 29 | | | | | |
| | | eP | Z | 14 | 57 | 40 | | | | | |
| Origin: | | | 14 | 51 | 52.4 | 63.9S | 159.5E | 33km | USCGS | | |
| 29 | KP | eP | Z | 21 | 57 | 07 | | | | | |
| | | e | Z | | | 20 | | | | | |
| | | eP | Z | 21 | 57 | 24 | | | | | |
| | | eSKS | ZNE | 22 | 07 | 50 | | | | | |
| | | ePS | ZN | | | 09 30 | | | | | |
| | | eSS | Z | | | 14.4 | | | | | |
| | | eLr | Z | | | 26.7 | | | | | |
| | | eLr | N | | | 28 | | | | | |
| | | eLr | E | | | 29 | | | | | |
| | | M | ZNE | | | 33 | 9 | 20 | 10 | 22 | |
| RX | eSKS | N | 22 | 08 | 18 | | | 4 | 20 | | |
| | | eS | NE | | | 09 08 | | | | | |
| | | ePS | N | | | 10 26 | | | | | |
| | | eLr | NE | | | 29.6 | | | | | |
| | | eLr | Z | | | 32 | | | | | |
| | | M | NE | | | 35 | | | | | |
| Origin: | | | 21 | 44 | 17.1 | 51.4N | 178.6E | 60km | USCGS | | |
| 30 | KP | eP | Z | 01 | 08 | 00 | | | | | |
| | | CT | eP | Z | 01 | 08 | 05 | | | | |
| RX | eP | e | Z | | | 11 28 | | | | | |
| | | eP | ZNE | 01 | 08 | 08 | | | | | |
| | | eS | ZNE | | | 16 00 | | | 22 | 30 | |
| | | eSS | NE | | | 19.2 | | | 10 | 20 | |
| | | e(SSS) | NE | | | 22 | | | 15 | 22 | |
| | | e | E | | | 23 | | | | 17 | 25 |
| | | eLr | NE | | | 25 | | | | 28 | 19 |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | |
|---|---------|--------------|--|--------------|--------------|--------|-------|--|
| APR | WN | eLr | Z 27 | | | | | |
| | | M | ZNE 32 | 33 20 | 15 17 | 67 21 | 6.4 | |
| | | eP | Z 01 08 10 | 5 12 | | | 6.4 | |
| | | ePP | Z 10 12 | 3 18 | | | | |
| | | e(PPP) | Z 11 06 | 4 14 | | | | |
| | | e | NE 12 04 | | 2 12 | 3 12 | | |
| | | eS | ZNE 16 04 | 23 36 | 24 36 | 27 38 | 6.5 | |
| | | eSS | ZNE 20 00 | 12 24 | 17 26 | 22 26 | | |
| | | eLq | N 23.5 | | | | | |
| | | Lr | ZN 25 | | | | | |
| | | M | ZNE 33 | 94 20 | 42 17 | 67 19 | 6.7 | |
| | | Origin: | | 00 58 18.3 | 0.7S 129.0E | 33km | USCGS | |
| | | 30 KP | eP? | Z 03 38 55 | | | | |
| | | | e(P) | Z 39 06 | | | | |
| | | Origin: | | 03 26 04.2 | 51.2N 178.6E | 50km | USCGS | |
| 30 KP | eP | Z 07 20 44 | | | | | | |
| WN | eLr | Z 07 51 | | | | | | |
| Origin: | | 07 07 55.9 | 51.6N 178.4E | 64km | USCGS | | | |
| 30 KP | eP | Z 08 31 03 | | | | | | |
| CT | eP | Z 08 31 14 | | | | | | |
| Origin: | | 08 26 22.7 | 17.1S 175.1W | 219km | USCGS | | | |
| 30 TU | e | Z 18 15 01 | | | | | | |
| | e | Z 16 22 | | | | | | |
| ON | e? | E 18 15 03 | | | | | | |
| | e | E 18 | | | | | | |
| KP | e | Z 18 15 04 | | | | | | |
| CT | e | Z 18 15 15 | | | | | | |
| | e? | Z 16 29 | | | | | | |
| TA | e | Z 18 15 30 | | | | | | |
| WN | e | ZNE 18 17 28 | | | | | | |
| | eL | Z 19 | | | | | | |
| CB | e | E 18 17 49 | | | | | | |
| GP | e | N 18 18 35 | | | | | | |
| Origin: | | 18 13 16 | 33 $\frac{1}{2}$ S 177 $\frac{1}{2}$ W | N NZ(D) | 5.0 | | | |
| Additional readings from Charters Towers used to determine epicentre. | | | | | | | | |
| MAY | 1 KP | P | Z 01 18 09 | | | | | |
| | Origin: | | 01 05 15.7 | 52.4N 174.5W | 60km | USCGS | 5.2 | |
| | 1 KP | P | Z 10 07 40.0 u | | | | | |
| | CT | P | Z 10 07 53.0 | | | | | |
| | | ScP | Z 15 20 | | | | | |
| | WN | iP | ZNE 10 08 11.0 us | 76 16 | 95 6 | 15 4 | 6.9 | |
| | | S | NE 12 11 | | 92 4 | | | |
| | | eScP | Z 15 25 | | | | | |
| | RX | iP | ZNE 10 08 45.0 us | 15 10 | 14 15 | | 6.3 | |
| | | (pP) | Z 09 21 | | | | | |
| | | PP | ZN 28 | 15 7 | 23 11 | | | |
| | | S | NE 13 00 | | 30 16 | 60 17 | 6.8 | |
| | | Lq | E 14.8 | | | 105 32 | | |
| | | eL | N 15.2 | | 68 22 | | | |
| | Origin: | | 10 03 20.0 | 19.0S 169.0E | 140km | USCGS | 6.2 | |
| 2 KP | P | Z 09 22 57.8 | | | | | | |
| Origin: | | 09 19 22 | 24.6S 178.4W | 33km | USCGS | 5.6 | | |
| 3 KP | eP | Z 11 00 03 | | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|--------------------------|--------------------------|--------------|-------|-------|------|
| APR | CT | eP | Z 11 00 11 | | | | |
| | WN | eP | ZNE 11 00 30 | | | | |
| | | eL | ZNE 07.7 | 2 25 | 2 32 | 4 22 | |
| | RX | eL | E 11 10 | | | | |
| | | eL | N 14 | | | | |
| | Origin: | | 10 54 43.0 | 15.0S 173.3W | 33km | USCGS | 5.0 |
| | 4 KP | eP | Z 06 08 56 | | | | |
| | | epP | Z 09 11 | | | | |
| | Origin: | | 05 56 04.1 | 51.8N 175.4W | 69km | USCGS | 5.5 |
| | 4 KP | iP | Z 13 14 04 $\frac{1}{2}$ | | | | |
| | TU | eP | Z 13 14 07 $\frac{1}{2}$ | | | | |
| | | i | Z 35 | | | | |
| | | eS | Z 13 14 16 | | | | 3.8 |
| | ON | P | Z 13 14 19 | | | | |
| | TA | P | Z 13 15 03 | | | | |
| WN | e | ZNE 13 14 34 | | | | 5.0 | |
| | P | Z 37 | | | | | |
| | i | ZNE 15 25 | | | | | |
| | S | Z 30 | | | | | |
| | i | Z 13 14 57 | | | | 4.8 | |
| CB | e(P) | E 15 38 | | | | | |
| | S | E 15 09 | | | | 5.5 | |
| GP | eP | N 13 15 09 | | | | | |
| | S | N 16 26 | | | | | |
| | i | N 28 | | | | | |
| | i | N 13 16 17 | | | | 4.9 | |
| Origin: | | 13 13 29 | 37.4S 176.8E | 250km | NZ(B) | 5.0 | |
| 4 WN | eL | Z 21 12 $\frac{1}{2}$ | | 1 27 | | | |
| 5 KP | P | Z 03 54 07 | | | | | |
| Origin: | | 03 49 34 | 19.8S 177.0W | 33km | USCGS | | |
| 5 WN | eL | Z 06 35.5 | | 1 22 | | | |
| 5 KP | P | Z 15 30 25 $\frac{1}{2}$ | | | | | |
| | i | Z 32 | | | | | |
| WN | eL | Z 15 59 | | | | | |
| Origin: | | 15 17 01.9 | 24.7S 69.5W | 50km | USCGS | 5.1 | |
| 5 KP | P | Z 17 16 42 | | | | | |
| CT | eP | Z 17 16 53 | | | | | |
| WN | eL | Z 17 24 | | 1 20 | | | |
| Origin: | | 17 11 47.2 | 17.5S 173.7W | 33km | USCGS | 5.0 | |
| 6 KP | P | Z 08 48 55 | | | | | |
| WN | eL | Z 09 08.7 | | 2 14 | | | |
| | M | ZNE 13 | | | | | |
| RX | eL | E 09 10.0 | | | | 3 25 | |
| Origin: | | 08 38 33.3 | 9.1S 112.5E | 84km | USCGS | | |
| 6 ON | P | E 21 01 37 | | | | 4.8 | |
| KP | P | Z 21 01 48 | | | | | |
| TU | eP | Z 21 01 49 | | | | | |
| CT | P | Z 21 01 59 | | | | | |
| | e | Z 03 32 | | | | | |
| | eS | Z 36 | | | | | |
| TA | P | Z 21 02 06 | | | | | |
| WN | eP | Z 21 02 20 | | | | 5.6 | |
| | eS | ZNE 04 14 | | | | | |
| GP | e(P) | N 21 02 55 | | | | | |
| | S | N 05 11 | | | | 5.6 | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|------------------------|-------|--------|-------------|------|
| APR | CB | eS | E | 21 04 27 | | | | |
| | Origin: | | | 20 59 54 | 32S | 179W | N? NZ(D) | 5.2 |
| | 7 KP | P | Z | 05 11 10 | | | | 5.4 |
| | CT | eP | Z | 05 11 18 | | | | |
| | Origin: | | | 05 00 50.3 | 18.8N | 145.5E | 93km USCOS | 4.5 |
| | 7 CT | P | Z | 16 36 24 | | | | |
| | KP | P | Z | 16 36 25 | | | | |
| | Origin: | | | 16 23 11.2 | 22.0S | 68.6W | 110km USCOS | 5.4 |
| | 7 ON | eP | E | 17 19 59 | | | | |
| | KP | eP | Z | 17 20 10 $\frac{1}{2}$ | | | | 4.8 |
| | | e | Z | 12 | | | | |
| | | e | Z | 21 45 | | | | |
| | TU | e? | Z | 17 20 14 | | | | |
| | | e | Z | 21 35 | | | | |
| | | eS | Z | 41 | | | | |
| | CT | eP | Z | 17 20 21 | | | | |
| | | e | Z | 22 01 | | | | |
| | | e | Z | 05 | | | | |
| | TA | eP | Z | 17 20 28 | | | | |
| | WN | eS | NE | 17 22 40 | | | | 5.7 |
| | CB | eS | E | 17 22 54 | | | | 5.5 |
| | KM | eS | X | 17 23 29 | | | | 5.5 |
| | GP | S | N | 17 23 40 | | | | 5.6 |
| | Origin: | | | 17 18 07 | 33S | 177W | N NZ(D) | 5.7 |
| | 8 KP | eP | Z | 04 33 39 | | | | |
| | Origin: | | | 04 28 21 | 15.9S | 171.9W | 33km USCOS | 4.6 |
| | 8 KP | eP | Z | 09 04 06 | | | | |
| | WN | eLr | Z | 09 36 | 1 40 | | | |
| | Origin: | | | 08 50 56.0 | 54.9N | 163.9W | 89km USCOS | 5.6 |
| | 8 KP | eP | Z | 10 34 19 $\frac{1}{2}$ | | | | |
| | | e | Z | 27 | | | | |
| | | e | Z | 32 | | | | |
| | CT | eP | Z | 10 34 25 | | | | |
| | | e | Z | 37 | | | | |
| | | e | Z | 37 42 | | | | |
| | WN | eP? | Z | 10 34 32 | | | | |
| | | eP | Z | 42 | 3 10 | | | |
| | | S | ZNE | 44 48 | 1 28 | 3 8 | 3 8 | 6.6 |
| | | eSS | ZNE | 50 13 | 2 17 | 4 20 | | |
| | | eLq | E | 56.9 | | | 4 25 | |
| | Lr | | ZN | 11 00.9 | 14 32 | 6 32 | | |
| | RX | eS | NE | 10 45 10 | | 2 12 | | 6.1 |
| | | eSS | NE | 50.7 | | 2 24 | | |
| | | eL | NE | 59 | | | | |
| | Origin: | | | 10 22 11.2 | 36.6N | 141.0E | 53km USCOS | 6.1 |
| | 8 KP | P | Z | 14 07 54 | | | | |
| | Origin: | | | 13 56 27 | 58.6S | 61.5W | 33km USCOS | 5.8 |
| | 8 KP | eP | Z | 15 34 23 | | | | |
| | | e | Z | 30 | | | | |
| | CT | eP | Z | 15 34 34 | | | | |
| | | e | Z | 40 | | | | |
| | WN | eL | Z | 15 55.3 | 2 49 | | | |
| | Origin: | | | 15 24 00.3 | 5.3N | 125.7E | 70km USCOS | 5.6 |
| | 8 KP | P | Z | 17 31 45 | | | | |
| | CT | P | Z | 17 31 56 | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|------------------------|-------|--------|-------------|---------------------|
| APR | 8 KP | eP | Z | 19 20 23 | | | | |
| | | e | Z | 21 35 | | | | |
| | CT | eP | Z | 19 20 34 | | | | |
| | Origin: | | | 19 15 39.7 | 17.2S | 175.0W | 199km USCOS | 4.6 |
| | 9 ON | eP | E | 04 34 03 | | | | |
| | KP | eP | Z | 04 34 13 | | | | |
| | | i | Z | 15 | | | | |
| | | e(S) | Z | 36 11 | | | | |
| | TU | eP | Z | 04 34 15 | | | | |
| | | eS | Z | 36 19 | | | | |
| | CT | eP | Z | 04 34 24 | | | | |
| | | eS | Z | 36 34 | | | | |
| | | e | Z | 42 | | | | |
| | WN | S | ZNE | 04 37 21 | | | | |
| | 9 ON | eP | E | 07 28 01 | | | | |
| | KP | eP | Z | 07 28 11 | | | | |
| | CT | eP | Z | 07 28 23 | | | | |
| | | eS | Z | 30 28 | | | | |
| | TU | eS | Z | 07 30 04 | | | | |
| | WN | eS | NE | 07 31 05 | | | | |
| | Origin: | | | 07 25 53.7 | 28.5S | 179.0W | 267km USCOS | |
| | 9 WN | eL | Z | 15 52.2 | 1 28 | | | |
| | Origin: | | | 15 03 41.0 | 12.2N | 86.9W | 34km USCOS | |
| | 10 KP | eP | Z | 02 01 35 | | | | |
| | | e | Z | 54 | | | | |
| | Origin: | | | 01 49 25 | 30.2N | 130.8E | 33km USCOS | 5.3 |
| | 10 KP | P | Z | 04 33 01 | | | | |
| | | i | Z | 13 | | | | |
| | CT | P | Z | 04 33 16 $\frac{1}{2}$ | | | | |
| | | e | Z | 27 | | | | |
| | WN | eL | Z | 04 39.5 | 2 20 | | | |
| | | M | Z | 45 | 4 20 | | | |
| | RX | eL | NE | 04 40 | | | | |
| | Origin: | | | 04 28 41.8 | 20.0S | 168.1E | 33km USCOS | 4.9 |
| | 10 KP | eP | Z | 10 33 17 | | | | |
| | Origin: | | | 10 29 12.9 | 21.5S | 178.5W | 175km USCOS | |
| | 10 WN | PS | Z | 22 50 07 | | | | |
| | | SKKS | Z | 59 55 | 2 37 | | | |
| | | G | ZNE | 23 05 28 | 3 30 | | | |
| | | Lr | ZNE | 11 | 6 42 | 51 40 | 15 40 | |
| | | G | N | 23 06 $\frac{1}{2}$ | 28 24 | 5 23 | 14 22 | 6.5 |
| | RX | eLr | ZE | 12 $\frac{1}{2}$ | | 12 40 | | |
| | Origin: | | | 22 22 42.2 | 2.2S | 77.6W | 33km USCOS | 5.7 |
| | | | | | | | | 6 $\frac{1}{2}$ PAS |
| | | | | | | | | 6 BER |
| | 11 KP | P | Z | 04 48 51.2 | | | | |
| | CT | eP | Z | 04 48 59 | | | | |
| | Origin: | | | 04 44 19.4 | 15.4S | 177.1W | 400km USCOS | 5.1 |
| | 11 CT | eP | Z | 18 01 52 | | | | |
| | WN | eL | Z | 18 32 | 1 20 | | | |
| | Origin: | | | 17 49 43.0 | 24.2N | 122.5E | 33km USCOS | 4.5 |
| | 12 RX | P | ZN | 09 46 04 u | 5 4 | 4 4 | | 6.1 |
| | | e(L) | NE | 48.7 | | | 6 22 | |
| | | M | ZNE | 50 | 9 20 | 8 18 | 5 13 | |
| | WN | 1P | Z | 09 47 20 d | 10 7 | | | 6.1 |
| | | S | Z | 50 32 | 2 30 | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--|-------|--------------|------------------------|--------------|-------|-------|------|
| APR | L | Z | 51 57 | 9 30 | | | |
| | | Z | 56 | 19 14 | | | |
| | CT | P | 09 47 40 | | | | |
| | | Z | 43 | | | | |
| | KP | eP | 09 47 52 | | | | |
| | | Z | 09 42 58.3 | 57.5S 159.4E | 44km | USCGS | 6.2 |
| | 12 KP | eP | 19 30 31 | | | | |
| | | Z | 19 44 | 1 32 | | | |
| | WN | eLr | 19 22 30.8 | 3.4S 146.9E | 33km | USCGS | 4.3 |
| | | Z | 19 22 30.8 | | | | |
| 12 WN | eLr | 20 55.4 | 1 32 | | | | |
| | Z | 20 08 43.0 | 57.4N 153.9W | 80km | USCGS | 5.9 | |
| 12 WN | eL | 22 22.5 | 6 28 | | | | |
| | Z | 20 08 43.0 | | | | | |
| 13 KP | eP | 07 13 25 | | | | | |
| | Z | 07 13 37 | | | | | |
| | eS | 07 16 12 | | | | | |
| | ZNE | 07 16 39 | | | | | |
| WN | eS | 07 10 38.4 | 25.7S 179.6E | 453km | USCGS | 4.8 | |
| | Z | 07 10 38.4 | | | | | |
| 13 CT | iP | 10 17 06.4 u | | | | | |
| | Z | 11.4 | | | | | |
| TO | eP | 10 17 06.4 | | | | | |
| | Z | 12 | | | | | |
| WN | P | 10 17 08.9 | | | | | |
| | ZNE | 18 | | | | | |
| S | ZNE | 29 | | | | | |
| | ZNE | 46 | | | | | |
| TU | eP | 10 17 09 | | | | | |
| | Z | 18 | | | | | |
| TA | P | 10 17 15.6 | | | | | |
| | Z | 10 17 22 | | | | | |
| KP | P | 10 17 27.4 | | | | | |
| | Z | 38 | | | | | |
| CB | eP | 18 02 | | | | | |
| | Z | 19 | | | | | |
| GP | eP | 10 17 45 | | | | | |
| | N | 18 31 | | | | | |
| KM | eP | 10 17 50 | | | | | |
| | X | 18 34.4 | | | | | |
| ON | eP | 10 17 55 | | | | | |
| | E | 19 19 | | | | | |
| RX | e(S) | 10 18 37 | | | | | |
| | Z | 19 35 | | | | | |
| e | Z | 42 | | | | | |
| | Z | 10 16 42 | 40.35S 176.55E N NZ(B) | | | 5.0 | |
| Felt: Southern half of North Island maximum MM4 in western Hawkes Bay. | | | | | | | |
| 13 WN | eLr | 13 30.7 | 2 28 | | | | |
| | Z | 13 34 | | | | | |
| RX | eL | 12 44 00.7 | 14.5N 92.9W | 60km | USCGS | 5.6 | |
| | Z | 12 44 00.7 | | | | | |
| 13 KP | iP | 14 12 01 u | | | | | |
| | Z | 14 12 13.6 u | | | | | |
| CT | P | 17.0 | | | | | |
| | Z | 17.0 | | | | | |
| WN | iP | 14 12 32 u | 5 4 | | | | |
| | ZNE | 16 24 | 1 16 | 2 20 | | | |
| eS | ZNE | 17 28 | 2 40 | | | | |
| | Z | 17 28 | | | | | |
| L | Z | 43 | | | | | |
| | NE | 43 | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------------------|-----|------------|--------------|--------------|-------|-------|------|
| APR | RX | P | 14 13 05 | | | | |
| | | Z | 14 07 46.8 | 19.5S 169.3E | 163km | USCGS | 5.6 |
| 13 WN | eL | 23 08.4 | | | | | |
| | Z | 13 | 2 16 | | | | |
| Origin: | M | 22 48 10.3 | 6.0S 150.1E | 94km | USCGS | | |
| | Z | 15 17 32.4 | | | | | |
| 14 KP | P | 18 30 | | | | | |
| | Z | 15 08 46.1 | 5.6S 127.8E | 405km | USCGS | 5.3 | |
| 14 KP | eP | 17 59 08 | | | | | |
| | Z | 18 01 19 | | | | | |
| WN | S | 17 56 15.1 | 30.2S 177.7W | 33km | USCGS | | |
| | ZNE | 17 56 15.1 | | | | | |
| 15 KP | eP | 03 00 36 | | | | | |
| | Z | 03 07.6 | 2 28 | | | | |
| WN | eS | 02 52 39.7 | 3.4S 146.8E | 33km | USCGS | 5.7 | |
| | ZNE | 02 52 39.7 | | | | | |
| 16 KP | P | 01 31 45 | | | | | |
| | Z | 01 28 04.7 | 22.6S 171.6E | 79km | USCGS | | |
| 16 TU | eP | 09 04 06 | | | | | |
| | Z | 09 01 22 | 30.0S 177.2W | 53km | USCGS | | |
| Felt: Raoul Is. MM2 | | | | | | | |
| 16 KP | eP | 16 02 03 | | | | | |
| | Z | 16 20.3 | 3 8 | | | | |
| WN | eL | 15 52 18.4 | 0.8S 128.5E | 24km | USCGS | 4.4 | |
| | Z | 15 52 18.4 | | | | | |
| 16 WN | eL | 16 45.7 | 2 20 | | | | |
| | Z | 16 17 59.8 | 1.0S 128.8E | 33km | USCGS | 4.3 | |
| 17 KP | eP | 06 20 51 | | | | | |
| | Z | 21 15 | | | | | |
| WN | eL | 06 46 | 2 45 | | | | |
| | Z | 06 09 18.2 | 15.7N 120.1E | 80km | USCGS | 5.5 | |
| 17 ON | P | 07 34 54 | | | | | |
| | E | 36 16 | | | | | |
| KP | eP | 07 35 03 | | | | | |
| | Z | 06 06 | | | | | |
| TU | eP | 07 35 04 | | | | | |
| | Z | 06 | | | | | |
| eS | Z | 33 | | | | | |
| | Z | 07 35 39 | | | | | |
| WN | eP | 07 37 35 | | | | | |
| | Z | 07 33 17.5 | 31.0S 179.8W | 358km | USCGS | 4.7 | |
| Felt: Raoul Is. MM3 | | | | | | | |
| 17 KP | eP | 12 21 35 | | | | | |
| | Z | 12 09 05.6 | 41.7N 141.9E | 47km | USCGS | 4.8 | |
| 17 KP | P | 22 43 56 | | | | | |
| | Z | 22 44 07 | | | | | |
| WN | eP? | 20 | | | | | |
| | Z | 47 12 | | | | | |
| Origin: | L | 49 21 | 7 35 | | | | |
| | Z | 22 40 06.7 | 24.4S 177.2W | 70km | USCGS | 5.9 | |
| Felt: Raoul Is. MM3 | | | | | | | |
| 18 KP | eP | 12 30 46 | | | | | |
| | Z | 12 50 | | | | | |
| WN | eL | | | | | | |
| | Z | | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | |
|---------|-----|-------|------------------|------------------------|-----------|--------------|-------|-------|
| APR | RX | M | ZNE | 56 | 9 22 | 4 20 | | |
| | | eL | E | 12 51 $\frac{1}{2}$ | | 4 22 | | |
| | | M | Z | 55 | | | | |
| Origin: | | | 12 20 31.9 | 8.2S 115.6E | 39km | 11 23 USCGRS | 5.3 | |
| 18 | RX | eL | E | 13 36 | | | | |
| | WN | eL | ZE | 13 38 10 | 3 22 | | 1 25 | |
| 18 | KP | e(P) | Z | 14 56 26 | | | | |
| Origin: | | | 14 51 14.4 | 16.6S 173.1W | 33km | USCGRS | 4.8 | |
| 19 | RX | eP | Z | 01 14 28 | | | | |
| | | e | ZN | 29 | 9 7 | 4 6 | | |
| | | S | NE | 23 54 | | 24 22 | | |
| | | eSS | NE | 28 40 | | 9 12 | 21 26 | |
| | | Lq | NE | 33.5 | | 21 22 | 14 18 | |
| | | eLr | ZE | 37.5 | | | 21 22 | |
| | | WN | P | Z | 01 14 32 | 19 6 | | 35 21 |
| | | S | ZNE | 23 58 | 13 27 | 33 20 | 16 21 | 7.4 |
| | | Lq | NE | 33.5 | | 30 27 | 32 29 | 7.1 |
| | | Lr | Z | 36.4 | 35 38 | | | |
| | KP | P | Z | 01 14 42 | | | | |
| Origin: | | | 01 03 04.1 | 46.5S 75.1W | 33km | USCGRS | 6.5 | |
| 19 | KP | P | Z | 07 58 39 | | | | |
| | | TU | eP | 07 58 40 | | | | |
| | TA | eP | Z | 07 58 57 | | | | |
| | WN | eP | ZNE | 07 59 12 | | | | |
| | | eS | ZNE | 08 01 21 | | | | |
| | CB | eS | E | 08 01 33 | | | | |
| | GP | eS | N | 08 02 16 | | | | |
| 19 | KP | ePKP | Z | 21 55 16 | | | | |
| | | WN | ePKP | Z | 21 55 20 | 2 20 | | |
| | | ePP | Z | 58 24 | 3 16 | | | |
| | | SP | Z | 22 08 46 | 5 8 | | | |
| | | PPS | Z | 10 53 | 4 20 | | | |
| | | SS | ZE | 17 56 | 10 36 | | 15 36 | |
| | | SSS | ZE | 22 20 | 6 32 | | 6 24 | |
| | | Lr | ZE | 43.2 | 22 64 | | 11 40 | |
| | | M | ZE | 50 | 13 20 | | 6 20 | |
| | RX | ePKP | Z | 21 55 23 | | | | |
| | | eSS | N | 22 17 33 | | | | |
| | | e | E | 18 14 | | | 9 30 | |
| | | eL | E | 42 | | | | |
| | M | NE | 47 | | | | | |
| Origin: | | | 21 35 49.6 | 23.8N 45.9W | 6 30 33km | USCGRS | 6.0 | |
| 20 | RX | eL | NE | 00 35 | | | | |
| | | WN | eL | 00 35 $\frac{1}{2}$ | 1 32 | | | |
| 20 | ON | P | E | 11 40 01 $\frac{1}{2}$ | | | | |
| | | TU | eP | Z | 11 40 07 | | | |
| | | e | Z | 13 | | | | |
| | | S | Z | 41 48 | | | | |
| | KP | eP | Z | 11 40 09 | | | | |
| | | e | Z | 11 | | | | |
| | WN | eP | ZNE | 11 40 45 | | | | |
| | | i | ZN | 57 | | | | |
| | | iS | ZNE | 42 53 | | | | |
| | | L | ZE | 43.8 | | | | |
| eL | | N | 44.6 | | | | | |
| M | | E | 45 $\frac{1}{2}$ | | | | | |
| | PcS | ZNE | 50 08 | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | |
|---------------------|-----|---------|------------------|------------------------|--------------|---------------------|--------|--------|
| APR | RX | ScS | ZNE | 53 44 | | | | |
| | | eP | ZNE | 11 42 01 | | 16 25 | 11 25 | |
| | | S | Z | 45 04 | | | | |
| | | Lq | NE | 46.2 | | 68 36 | 105 40 | |
| | | eLr | Z | 47.0 | 165 33 | | | |
| | | M | NE | 48 $\frac{1}{2}$ | | 210 23 | 105 21 | |
| | | M | Z | 49 | 125 18 | | | |
| | | M | Z | 50 20 | | | | |
| | | eScP | Z | 11 38 00.9 | 30.7S 178.3W | 34km | USCGRS | 6.2 |
| | | Origin: | | | | Felt: Raoul Is. MM4 | | |
| 21 | WN | eS | ZNE | 01 12 00 | | 2 35 | | |
| | | eSS | NE | 15 28 | | | 8 40 | |
| | | eLr | Z | 17.1 | 6 34 | | | |
| RX | eS | NE | 01 12 24 | | | 4 10 | | |
| | N | N | 15.7 | | 4 22 | | | |
| | eLr | ZE | 17 $\frac{1}{2}$ | | | 4 22 | | |
| Origin: | | | 00 58 07.4 | 56.0S 123.9W | 33km | USCGRS | 5.8 | |
| 21 | KP | eP | Z | 17 36 13 | | | | |
| | | WN | e | 17 37.6 | | | | |
| | S | NE | 41 40 | | | 4 8 | | |
| | Lq | ZNE | 43.9 | 5 24 | 10 32 | 14 32 | | |
| | Lr | Z | 45.2 | 8 32 | | | | |
| RX | eS | NE | 17 42 34 | | | 4 20 | | |
| | eLq | NE | 45.3 | | 5 20 | 10 23 | | |
| | M | NE | 49 | | 6 19 | 12 18 | | |
| Origin: | | | 17 30 15.4 | 11.1S 163.3E | 33km | USCGRS | 5.4 | |
| 21 | KP | iP | Z | 17 54 30 $\frac{1}{2}$ | | | | |
| | | WN | P | 17 54 59 $\frac{1}{2}$ | | | | |
| Origin: | | | 17 51 07.7 | 22.1S 179.5W | 579km | USCGRS | 4.9 | |
| 21 | ON | eP | E | 18 12 11 | | | | |
| | | KP | eP | Z | 18 12 38 | | | |
| | | WN | S | ZNE | 18 15 00 | | | |
| Origin: | | | 18 10 11.7 | 29.5S 178.1W | 82km | USCGRS | | |
| Felt: Raoul Is. MM1 | | | | | | | | |
| 22 | KP | e(P) | Z | 02 34 03 | | | | |
| | | CT | eP | Z | 02 34 07 | | | |
| | RX | eL | NE | 02 43 | | 21 22 | 2 22 | |
| | WN | eL | ZNE | 02 51 | | | | |
| | M | ZNE | 55 | 4 22 | 3 18 | 2 22 | | |
| Origin: | | | 02 27 56.3 | 11.3S 163.2E | 60km | USCGRS | 5.1 | |
| 22 | ON | eP | E | 07 54 06 | | | | |
| | | CT | eP | Z | 07 54 19 | | | |
| | EP | eP | Z | 07 54 20 | | | | |
| | WN | S | ZNE | 07 56 52 | | | | |
| Origin: | | | 07 52 01.3 | 30.3S 177.6W | 168km | USCGRS | | |
| Felt: Raoul Is. MM2 | | | | | | | | |
| 22 | WN | eL | Z | 10 33.5 | | 1 24 | | |
| | | Origin: | | | 10 18 27.0 | 11.0S 163.5E | 37km | USCGRS |
| 22 | KP | eP | Z | 14 09 33 | | | | |
| | | pP | Z | 47 | | | | |
| | CT | P | Z | 14 09 38 | | | | |
| | | pP | Z | 51 | | | | |
| | WN | P | ZNE | 14 09 47 $\frac{1}{2}$ | | 2 20 | | |
| | | epP | Z | 10 01 | | | 6.0 | |
| | | eSKS | ZNE | 20 13 | | | | |
| | | PS | ZN | 21 52 | 3 22 | 3 28 | | |
| | | SS | ZNE | 26 52 | 4 30 | 6 36 | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | |
|-------|---------|---------|------------|--------------|--------------|-------|-------|-------|
| APR | SSS | ZN | 30 40 | 2 24 | 3 28 | | | |
| | | Lq | 34.7 | | | | | |
| | RX | Lr | ZNE | 39 40 | 21 23 | 13 27 | 8 44 | |
| | | eS | NE | 14 21 07 | | 2 10 | 4 23 | |
| | eSS | NE | 28 02 | | | | 3 10 | |
| | | eL | E | 42 | | | 2 14 | |
| | M | ZNE | 48 | | | | | |
| | | Origin: | | 13 56 43.0 | 48.6N 154.7E | 4 20 | 5 22 | USCGS |
| | 22 KP | eP | Z | 15 52 57 | | | | |
| | | e | Z | 53 08 | | | | |
| CT | eP | Z | 15 53 12 | | | | | |
| | RX | eL | NE | 16 08 | | | | |
| WN | eLq | N | 16 09 | | | | | |
| | eLr | ZE | 13 | 4 36 | | | | |
| M | ZE | 18 | | 5 22 | | 2 40 | | |
| | Origin: | | 15 42 48.6 | 4.3N 127.9E | 58km | 2 23 | USCGS | |
| 22 RX | P | Z | 22 03 03 | | | | | |
| | | NE | 11 10 | | | | | |
| | eL | N | 23.2 | | 3 20 | | | |
| | | E | 24 | | | | 11 30 | |
| | M | ZNE | 27 | | 3 20 | 3 16 | 11 20 | |
| | | KP | P | Z | 22 03 17½ | | | |
| | WN | P | ZNE | 22 03 18 | | | | |
| | | S | NE | 11 36 | | | 2 35 | |
| | eL | NE | 19.7 | | 3 16 | | | |
| | | Origin: | | 21 53 02.5 | 8.2S 115.7E | 33km | | USCGS |
| 23 KP | P | Z | 01 01 45 | | | | | |
| | Origin: | | 00 51 40.3 | 1.6N 126.4E | 33km | | USCGS | |
| 23 KP | 1P | Z | 03 38 16 | | | | | |
| | | CT | P | Z | 03 38 24 | | | |
| | WN | P | ZNE | 03 38 44½ | | | | |
| | | RX | P | Z | 03 39 32 | | | |
| | Origin: | | 03 33 19.1 | 15.0S 176.7W | 279km | | USCGS | |
| 23 CT | eP | Z | 03 41 43 | | | | | |
| | | WN | ePP | ZNE | 43 05 | 3 12 | | |
| | S | ZNE | 47 17 | | 5 15 | 3 30 | | |
| | | eL | E | 49.3 | | | 4 32 | |
| | Lr | Z | 50.7 | | 20 29 | | | |
| | | RX | eS | NE | 03 48 01 | | 4 18 | 4 18 |
| | eL | N | 52 | | | 9 28 | | |
| | | Z | 56½ | | 7 14 | | | |
| | M | ZNE | 58 | | 8 14 | 7 14 | 13 14 | |
| | | Origin: | | 03 35 34.7 | 10.9S 163.3E | 33km | | USCGS |
| 23 KP | 1P | Z | 07 07 31½ | | | | | |
| | | CT | P | Z | 07 07 37½ | | | |
| | WN | P | Z | 07 07 46½ | | | | |
| | | Origin: | | 06 57 51.8 | 18.4N 145.2E | 478km | | USCGS |
| 23 WN | eLr | Z | 08 03½ | | 3 28 | | | |
| | | Origin: | | 07 47 59.7 | 11.2S 163.3E | 17km | | USCGS |
| 23 KP | P | Z | 08 45 39 | | | | | |
| | | Origin: | | 08 41 54.7 | 20.7S 177.9W | 477km | | USCGA |
| 23 WN | eL | Z | 12 30.6 | | 2 28 | | | |
| | | Origin: | | 11 56 45.6 | 44.7S 75.7W | 33km | | USCGS |
| 23 KP | P | Z | 15 22 28 | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | |
|----------------|-----------------|---------|------------|--------------|--------------|-------|--|-----------|
| APR | RX | eP | Z | 15 22 33 | | | | |
| | | CT | eP | Z | 15 22 35 | | | |
| | WN | eL | Z | 15 43 | 2 44 | | | |
| | | Origin: | | 15 12 05.7 | 6.0N 126.1E | 88km | | USCGS 5.5 |
| 23 TU | eP | Z | 21 38 33 | | | | | |
| | | eS | Z | 40 12 | | | | |
| | CT | eS | Z | 21 40 39 | | | | |
| | | WN | S | ZNE | 21 41 19 | | | |
| Origin: | eL | Z | 43.9 | 2 20 | | | | |
| | | | 21 36 37.5 | 30.6S 178.0W | 33km | | USCGS | |
| 24 ON | eP | E | 06 49 08 | | | | | |
| | | Z | 06 50 40 | | | | | |
| | TU | eS | ZNE | 06 51 45 | | | | |
| | | WN | eS | Z | 54.5 | 2 18 | | |
| Origin: | | | | | | | | |
| | | | | | | | Felt: Raoul Is. MM2 | |
| 24 KP | eP | Z | 20 55 42 | | | | | |
| | | Origin: | | 20 52 25.1 | 22.8S 179.6W | 566km | | USCGS 4.5 |
| 24 KP | P | Z | 21 22 00 | | | | | |
| | | CT | eP | Z | 21 22 10 | | | |
| Origin: | | | | | | | | |
| | | | | | | | 24.5S 179.7E 649km USCGS 4.6 | |
| 25 EX | eP | Z | 16 20.0 | | | | | |
| | | S | NE | 29 50 | | 3 14 | 7 14 | 6.5 |
| | eL | E | 40 | | | | 3 24 | |
| | | N | 48 | | | | 3 18 | |
| | M | NE | 54 | | | | 9 20 | 6 17 |
| | | WN | P | Z | 16 20 10 | 3 16 | | 6.2 |
| | S | ZNE | 30 22 | | 2 16 | 3 12 | 4 16 | 6.2 |
| | | eSS | ZE | 35 43 | | 2 24 | 2 20 | |
| | eL | E | 42 | | | | 3 20 | |
| | | Z | 45½ | | | | 2 28 | |
| M ₁ | ZNE | 57 | | 12 18 | | | 6.2 | |
| | M ₂ | ZN | 17 00 | | 14 16 | | | |
| CT | eP ₂ | Z | 16 20 22 | | | | | |
| | KP | eP | Z | 16 20 29 | | | | |
| Origin: | | | | | | | | |
| | | | | | | | 56.8S 25.0W 29km USCGS | |
| 25 WN | eP | Z | 00 05 08 | | | | | |
| | | eS | ZNE | 09 04 | | | | |
| | eL | ZE | 10.6 | | 2 20 | | 2 22 | |
| | | RX | eL | NE | 00 14 | | | |
| Origin: | | | | | | | | |
| | | | | | | | 23 59 55.8 19.7S 174.3W 33km USCGS 5.3 | |
| 26 KP | eP | Z | 09 40 45 | | | | | |
| | | Origin: | | 09 36 42 | 17.9S 178.5W | 33km | | USCGS 4.7 |
| 26 WN | eSS | Z | 23 38.4 | | 2 23 | | | |
| | | eL | 51 | | 4 35 | | | |
| | Origin: | | 23 06 55.0 | 55.2N 159.9E | 47km | | USCGS 5.3 | |
| 27 WN | eL | Z | 04 43 | | 4 30 | | | |
| | | Origin: | | 03 58 47.9 | 55.3N 160.1E | 54km | | USCGS 5.7 |
| 27 KP | P | Z | 16 29 49 | | | | | |
| | | CT | eP | Z | 16 29 53 | | | |
| | WN | eL | Z | 16 50½ | | | | |
| | | Origin: | | 16 20 09.6 | 0.6S 130.1E | 33km | | USCGS 5.0 |
| 28 KP | P | Z | 07 04 50 | | | | | |
| | | Origin: | | 07 00 55.1 | 18.6S 177.8W | 602km | | USCGS 4.4 |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag |
|---------|---------|-------|------------|--------------|--------------|-------|-------|
| APR 29 | KP | P | Z | 01 06 12 | | | |
| | WN | P | Z | 01 06 41 | | | |
| | Origin: | | | 01 02 05.8 | 18.1S 178.0W | 472km | USCGS |
| 29 | KP | P | Z | 08 31 51 | | | |
| | Origin: | | | 08 27 44.5 | 17.7S 178.8W | 512km | USCGS |
| 29 | KP | P | Z | 11 03 13½ | | | |
| | CT | eP | Z | 11 03 23 | | | |
| | WN | P | Z | 11 03 42 | | | |
| | Origin: | | | 10 59 10.5 | 18.0S 178.0W | 550km | USCGS |
| 29 | KP | eP | Z | 13 26 10 | | | |
| | Origin: | | | 13 22 23.4 | 23.9S 179.2W | 60km | USCGS |
| 29 | KP | eP | Z | 18 37 17 | | | |
| | Origin: | | | 18 27 19.1 | 22.6S 114.4W | 33km | USCGS |
| 29 | KP | eP | Z | 18 40 35 | | | |
| | Origin: | | | 18 30 25 | 24.4S 114.7W | 33km | USCGS |
| 30 | KP | P | Z | 03 08 52½ | | | |
| | CT | eP | Z | 03 09 01 | | | |
| | WN | eP | Z | 03 09 20½ | | | |
| | Origin: | | | 03 04 49 | 18.3S 178.3W | 450km | USCGS |
| 30 | KP | P | Z | 05 37 46½ | | | |
| | CT | eP | Z | 05 37 56 | | | |
| | | eS | Z | 40 22 | | | |
| | WN | eP | ZNE | 05 38 17½ | | | |
| | | S | ZNE | 40 51 | | | |
| | Origin: | | | 05 35 06.0 | 26.1S 178.3E | 610km | USCGS |
| 30 | RX | P | ZNE | 07 00 25 | | 5 6 | 4 8 |
| | | S | NE | 03 59 | | 23 16 | 18 14 |
| | | L | NE | 04 5 | | 42 15 | 29 15 |
| | | eL | Z | 05½ | 29 10 | | |
| | WN | P | ZNE | 07 01 24 | | 3 10 | |
| | | S | ZNE | 05 45 | 11 17 | 5 20 | 11 17 |
| | | L | E | 06.7 | | | 19 40 |
| | | L | Z | 07.7 | 19 40 | | |
| | | M | ZNE | 10 | 50 19 | 48 18 | 17 18 |
| | CT | eP | Z | 07 01 38 | | | |
| KP | eP | Z | 07 01 52 | | | | |
| Origin: | | | 06 56 09.3 | 54.2S 143.7E | 33km | USCGS | |
| 31 | WN | eL | Z | 03 12.3 | | | |
| 31 | KP | eP | Z | 06 08 57 | | | |
| | WN | eS | ZE | 06 14.5 | 1 28 | | |
| | | eL | ZNE | 16½ | 2 24 | 2 20 | 7 24 |
| | | M | Z | 18½ | 7 28 | | |
| | RX | eL | E | 06 19 | | | 9 30 |
| | Origin: | | | 06 03 34.9 | 15.1S 173.3W | 33km | USCGS |
| 31 | KP | P | Z | 12 04 48 | | | |
| | Origin: | | | 12 00 27.8 | 20.1S 175.9W | 136km | USCGS |
| 31 | ON | eP | E | 14 10 04 | | | |
| | KP | eP | Z | 14 10 09 | | | |
| | TU | eS | Z | 14 11 45 | | | |
| | WN | S | ZNE | 14 12 50 | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag |
|---------|---------|-------|------------|-------------|--------------|--------------------|---------------------|
| APR | | eL | Z | 14½ | 8 28 | | |
| | Origin: | | | 14 08 03.1 | 30.6S 178.1W | 60km | USCGS |
| | | | | | | | Felt: Raoul Is. MM3 |
| 31 | KP | eP | Z | 24 04 10 | | | |
| | WN | eS | Z | 24 09.7 | 1 30 | | |
| | | eL | ZE | 11 53 | 3 25 | | 9 24 |
| | | M | ZN | 14 | 8 28 | 8 20 | |
| | RX | eL | NE | 24 14 | | 3 28 | 14 28 |
| | Origin: | | | 23 58 49.7 | 15.1S 173.4W | 33km | USCGS |
| JUN 1 | KP | eP | Z | 12 36 19 | | | |
| | | e | Z | 35 | | | |
| | CT | eP | Z | 12 36 29 | | | |
| | MN | eP | Z | 12 37 46 | | | |
| | WN | e? | Z | 12 38 32 | | | |
| | Origin: | | | 14 45 | | | 2 22 |
| RX | | M | E | 12 46 | | | |
| | | eL | N | 48 | | | |
| | Origin: | | | 12 30 55.8 | 15.0S 172.4W | 33km | USCGS |
| | | | | | | | |
| 1 | KP | eP | Z | 21 12 08 | | | |
| | Origin: | | | 21 08 17.3 | 22.2S 169.6E | 35km | USCGS |
| 1 | KP | eP | Z | 21 19 12 | | | |
| | CT | e | Z | 21 19 45 | | | |
| | WN | eL | ZNE | 21 27 | | | 19 24 |
| | Origin: | | | 21 13 52.7 | 15.2S 173.5W | 33km | USCGS |
| | | | | | | Felt: Apia, Samoa. | |
| 2 | KP | eP | Z | 10 07 14 | | | |
| | | e | Z | 28 | | | |
| WN | | e(P) | Z | 10 07 28 | | | |
| | | eL | ZNE | 16 | | | |
| RX | | M | E | 21 | | | 3 20 |
| | | e(P) | Z | 10 07 39 | | | |
| | | e(S) | NE | 13.8 | | | |
| | | eL | ZNE | 17 | | | |
| MN | | M | N | 23 | | | 6 21 |
| | | eP | Z | 10 07 40 | | | |
| Origin: | | | 10 00 00.1 | 6.1S 154.4E | 49km | USCGS | |
| 2 | TU | eP | Z | 21 08 47 | | | |
| | | e(S) | Z | 09 59 | | | |
| KP | | e | Z | 10 32 | | | |
| | | e(P) | Z | 21 08 48 | | | |
| | | e | Z | 53 | | | |
| | | e | Z | 56 | | | |
| | | e | Z | 10 07 | | | |
| | | e | E | 21 09 00 | | | |
| WN | | eS | ZNE | 21 11 06 | | | |
| | | e(L) | Z | 12 | | | |
| | CB | eS | E | 21 11 27 | | | |
| | KM | eS | X | 21 12 07 | | | |
| TO | | e | Y | 21(12)45 | | | |
| | RX | eL | NE | 21 14 | | | |
| Origin: | | M | E | 16 | | | 3 22 |
| | | | | 21 07 13.7 | 32.8S 179.0W | 56km | USCGS |
| 2 | KP | e? | Z | 21 16 19 | | | |
| | | e? | Z | 41 | | | |
| | | e | Z | 49 | | | |
| | | | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|---------------------|---|---------------------|-------|-------|------|
| JUN | | eL | ZE | 12 | | | | | |
| | | M | Z | 14 | | 3 18 | | | |
| | CB | eS | E | 13 11 18 | | | | | |
| | Origin: | | | 13 05 56.3 | | 30.4S 177.6W | 33km | USCGS | 5.2 |
| | | | | | | Felt: Raoul Is. MM3 | | | |
| 4 | ON | e(P) | E | 13 40 30 | | | | | |
| | KP | e? | Z | 13 40 46 | | | | | |
| | CT | e | Z | 13 40 56 | | | | | |
| | | e | Z | 42 27 | | | | | |
| | | e | Z | 45 | | | | | |
| | TU | e(S) | Z | 13 42 14 | | | | | |
| | WN | eS | NE | 13 43 20 | | | | | |
| | GP | eS | N | 13 44 25 | | | | | |
| | | | | | | Felt: Raoul Is. MM1 | | | |
| 4 | KP | e? | Z | 19 22 16 | | | | | |
| | TU | e(S) | Z | 19 23 35 | | | | | |
| | CT | e | Z | 19 24 04 | | | | | |
| | WN | eS | NE | 19 24 42 | | | | | |
| | GP | eS | N | 19 25 47 | | | | | |
| | | | | | | Felt: Raoul Is. MM1 | | | |
| 4 | KP | eP | Z | 19 32 14 | | | | | |
| | | e | Z | 31 | | | | | |
| | | e(pP) | Z | 36 | | | | | |
| | TU | e(P) | Z | 19 32 21 | | | | | |
| | CT | eP | Z | 19 32 21 | | | | | |
| | | epP | Z | 45 | | | | | |
| | WN | eP | Z | 19 32 28 | | | | | |
| | | epP | Z | 52 | | | | | |
| | MN | iP | Z | 19 32 40 | a | | | | |
| | | e | Z | 57 | | | | | |
| | | pP | Z | 33 04 | | | | | |
| | RX | epP? | Z | 19 33 06 | | | | | |
| | Origin: | | | 19 21 56.6 | | 18.9N 146.2E | 110km | USCGS | 5.3 |
| 4 | MN | eP | Z | 21 14 25 | | | | | |
| | | e | Z | 39 | | | | | |
| | KP | eP | Z | 21 14 31 | | | | | |
| | WN | eP | Z | 21 14 35 | | | | | |
| | | eS | ZN | 22 40 | | | | | |
| | | e | E | 23 12 | | | | | |
| | | eSS | NE | 26 $\frac{1}{2}$ | | | | | |
| | | eLr | ZNE | 31 | | | | | |
| | | M | ZE | 43 | | 11 18 | | | |
| | CT | eP | Z | 21 14 37 | | | | | |
| | TU | e(P) | Z | 21 14 40 | | | | | |
| | GP | eP | N | 21 14 41 | | | | | |
| | RX | e(S) | E | 21 22 $\frac{1}{2}$ | | | | | |
| | | e(L) | N | 28 $\frac{1}{2}$ | | | | | |
| | | eL | NE | 33 | | | | | |
| | | M | E | 40 | | | | 12 20 | 6.2 |
| | Origin: | | | 21 04 42.3 | | 1.2S 127.3E | 31km | USCGS | 5.2 |
| 5 | WN | eL | Z | 00 29 | | | | | |
| 5 | TU | e? | Z | 05 09 15 | | | | | |
| | | e | Z | 19 | | | | | |
| | | e(S) | Z | 10 50 | | | | | |
| | | e | Z | 11 05 | | | | | |
| | KP | eP | Z | 05 09 20 | | | | | |
| | | e | Z | 38 | | | | | |
| | CT | e | Z | 05 10 00 | | | | | |
| | GP | e? | N | 05 10 44 | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|------------------------|---|---------------------|-------|-------|------|
| JUN | | eS | N | 13 07 | | | | | |
| | | e | N | 14 13 | | | | | |
| | | eP | Z | 05 11 23 | | | | | |
| | MN | eP | Z | 12 26 | | | | | |
| | | e | Z | 35 | | | | | |
| | | e | Z | 14 56 | | | | | |
| | | eS | NE | 05 11 58 | | | | | |
| | WN | eS | NE | 13 05 | | | | | |
| | | e | Z | 14 | | | | | |
| | | eL | Z | 16 | | | | | |
| | | M | Z | 05 12 20 | | | | | |
| | CB | eS | X | 05 13 09 | | | | | |
| | KM | eS | E | 05 17 | | | | | |
| | RX | eL | E | 19 | | | | | |
| | | M | E | 05 07 03.7 | | 30.7S 177.6W | 70km | USCGS | 5.1 |
| | Origin: | | | | | Felt: Raoul Is. MM2 | | | 4.6 |
| 5 | KP | eP? | Z | 05 58 46 | | | | | |
| | WN | eL | Z | 06 05 | | | | | |
| 5 | KP | P | Z | 08 54 12 $\frac{1}{2}$ | d | | | | |
| | | e | Z | 15 | | | | | |
| | MN | P | Z | 08 55 36 | | | | | |
| | Origin: | | | 08 50 21.2 | | 19.7S 177.8W | 528km | USCGS | |
| 5 | KP | eP | Z | 09 23 33 | | | | | |
| | Origin: | | | 09 11 49.9 | | 31.2N 142.6E | 33km | USCGS | 4.8 |
| 5 | KP | e(P) | Z | 10 17 24 | | | | | |
| | TU | eP | Z | 10 17 35 | | | | | |
| | CT | e(P) | Z | 10 17 39 | | | | | |
| | WN | eP | Z | 10 17 51 | | | | | |
| | | e(S) | N | 22 $\frac{1}{2}$ | | | | | |
| | | eL | ZNE | 25 | | | | | |
| | | M | ZE | 26 | | | | 3 22 | |
| | RX | eP | Z | 10 18 20 | | | | | |
| | | e(S) | N | 23.4 | | | | | |
| | | eL | NE | 25 | | | | | |
| | | M | E | 29 | | | | 4 19 | 5.6 |
| | MN | eP | Z | 10 18 21 | | | | | |
| | Origin: | | | 10 12 09.0 | | 14.9S 166.8E | 37km | USCGS | 5.0 |
| 5 | WN | eL | E | 11 39 | | | | | |
| | | eL | Z | 41 | | | | | |
| | | M | ZNE | 43 | | | | 2 20 | 2 20 |
| | RX | eL | E | 11 43 | | | | | |
| | Origin: | | | 11 20 07.3 | | 3.6S 149.6E | 33km | USCGS | 5.1 |
| 5 | KP | e(P) | Z | 14 12 29 | | | | | |
| | MN | e(P) | Z | 14 14 04 | | | | | |
| | WN | eL | ZNE | 14 19 | | | | | |
| | | E | E | 21 | | | | 6 24 | |
| | RX | eL | NE | 14 22 | | | | | |
| | | M | E | 26 | | | | | |
| | Origin: | | | 14 07 38.1 | | 17.2S 176.7W | 33km | USCGS | 4.8 |
| 5 | TU | e(S) | Z | 14 51 19 | | | | | |
| | WN | eS | NE | 14 52 28 | | | | | |
| | GP | eS | N | 14 53 32 | | | | | |
| | Origin: | | | 14 47 22.4 | | 28.7S 178.8W | 194km | USCGS | 4.1 |
| 5 | KP | eP | Z | 23 04 41 | | | | | |
| | WN | e(S) | Z | 23 13 | | | | | |
| | | eL | Z | 24 | | | | | |
| | RX | e(S) | E | 23 13 04 | | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|------|---------|-------|----|----|----|------|-------|--------|-------|-------|-----|
| JUN | | e | N | | | 20 | | | | | |
| | | e(L) | E | | | 23 | | | | | |
| | | e(L) | N | | | 25 | | | | | |
| 6 | MN | e(P) | Z | 05 | 30 | 51 | | | | | |
| | CT | eP | Z | 05 | 30 | 52 | | | | | |
| | KP | eP | Z | 05 | 30 | 53 | | | | | |
| | RX | eP | Z | 05 | 30 | 56 | | | | | |
| | | e | Z | | 31 | 11 | | | | | |
| | | e(S) | N | | 41 | 0 | | | | | |
| | | eL | E | | 59 | | | | | | |
| | | eL | NE | 06 | 04 | | | | | | |
| | M | E | E | | 05 | | | | 1 19 | 5.7 | |
| | WN | e(S) | Z | 05 | 42 | | | | | | |
| | | eL | Z | | 56 | | | | | | |
| | Origin: | | | 05 | 18 | 55.1 | 19.9N | 120.2E | 33km | USCGS | 5.8 |
| 6 | KP | eP? | Z | 06 | 19 | 13 | | | | | |
| | MN | e? | Z | 06 | 20 | 11 | | | | | |
| | Origin: | | | 06 | 07 | 22.2 | 20.1N | 120.4E | 33km | USCGS | 4.7 |
| 6 | KP | eP | Z | 08 | 33 | 56 | | | | | |
| | | e | Z | | 34 | 22 | | | | | |
| | Origin: | | | 08 | 21 | 12.2 | 6.7N | 94.7E | 33km | USCGS | 5.5 |
| 6 | ON | eP | E | 11 | 27 | 22 | | | | | |
| | KP | e(P) | Z | 11 | 27 | 30 | | | | | |
| | | e | Z | | 28 | 08 | | | | | |
| | TU | eS | Z | 11 | 29 | 03 | | | | | |
| | WN | eS | NE | 11 | 30 | 10 | | | | | |
| | | eL | Z | | 32 | | | | | | |
| | CB | eS | E | 11 | 30 | 30 | | | | | |
| | GP | eS | N | 11 | 31 | 15 | | | | | |
| | Origin: | | | 11 | 25 | 18.9 | 30.5S | 177.7W | 110km | USCGS | 4.4 |
| 6 | RX | eS | E | 12 | 24 | 0 | | | | | |
| | | eL | NE | | 36 | | | | | | |
| | M | E | E | | 36 | | | | 3 23 | 5.8 | |
| | WN | eL | Z | 12 | 37 | | | | | | |
| | | M | Z | | 41 | | 2 18 | | | | |
| | Origin: | | | 12 | 04 | 14.3 | 37.8S | 77.9E | 33km | USCGS | 5.3 |
| 6 | KP | e | Z | 17 | 48 | 29 | | | | | |
| | RX | eP | Z | 17 | 48 | 51 | | | | | |
| | Origin: | | | 17 | 42 | 47.0 | 14.3S | 167.3E | 160km | USCGS | 4.7 |
| 6 | KP | eP | Z | 23 | 46 | 11 | | | | | |
| | WN | e | ZE | 23 | 48 | 02 | | | | | |
| | Origin: | | | 23 | 43 | 17.3 | 25.4S | 180.0 | 369km | USCGS | 4.5 |
| 7 | RX | e(L) | E | 06 | 16 | | | | | | |
| | WN | eL | Z | 06 | 17 | | | | | | |
| 7 | WN | eL | Z | 07 | 54 | | | | | | |
| 7 | WN | eL | Z | 09 | 38 | | | | | | |
| 7 | WN | eL | Z | 12 | 35 | | | | | | |
| 7 | KP | eP? | Z | 15 | 39 | 49 | | | | | |
| | | e | Z | | 51 | | | | | | |
| | CT | e(P) | Z | 15 | 40 | 00 | | | | | |
| | MN | e(P) | Z | 15 | 41 | 19 | | | | | |
| | WN | eL | ZE | 15 | 47 | | | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|------|---------|--------|-----|----|----|------|-------|--------|-------|-------|-----|
| JUN | RX | eL | NE | 15 | 48 | | | | | | |
| | Origin: | | | 15 | 34 | 47.8 | 15.3S | 178.9W | 33km | USCGS | 4.9 |
| 7 | MN | e(P) | Z | 16 | 01 | 44 | | | | | |
| | KP | eP | Z | 16 | 01 | 45 | | | | | |
| | CT | eP | Z | 16 | 01 | 48 | | | | | |
| | | e | Z | | 52 | | | | | | |
| | WN | e(L) | Z | 16 | 29 | | | | | | |
| | | M | Z | | 34 | | | | | | |
| | Origin: | | | 15 | 49 | 57.4 | 19.0N | 121.8E | 33km | USCGS | 4.7 |
| 7 | KP | eP | Z | 19 | 43 | 24 | | | | | |
| | CT | eP | Z | 19 | 43 | 27 | | | | | |
| | WN | e(PPS) | Z | 19 | 56 | 12 | | | | | |
| | | eL | ZE | 20 | 11 | | | | 5 22 | | |
| | | M | ZE | | 13 | | | | | 3 24 | |
| | RX | eSS | E | 20 | 02 | | | | | | |
| | | eL | NE | | 14 | | | | | | |
| | | M | NE | | 17 | | | | 2 20 | 6.0 | |
| | Origin: | | | 19 | 30 | 35.6 | 8.5N | 103.1W | 33km | USCGS | 4.9 |
| 7 | KP | e(P) | Z | 21 | 41 | 34 | | | | | |
| | WN | e? | Z | 21 | 42 | 27 | | | | | |
| | | eL | Z | | 22 | 10 | | | | | |
| | | M | Z | | 11 | | 1 20 | | | | |
| | Origin: | | | 21 | 28 | 48.5 | 8.8N | 102.5W | 33km | USCGS | 4.6 |
| 7 | KP | eP | Z | 22 | 37 | 14 | | | | | |
| | CT | eP | Z | 22 | 37 | 24 | | | | | |
| | MN | eP | Z | 22 | 39 | 40 | | | | | |
| | WN | eL | Z | 22 | 46 | | | | | | |
| | RX | eL | E | 22 | 47 | | | | | | |
| | | M | E | | 49 | | | | | | |
| | Origin: | | | 22 | 31 | 54.8 | 15.2S | 173.1W | 33km | USCGS | 5.5 |
| 7 | KP | e(P) | Z | 22 | 42 | 49 | | | | | |
| | CT | e(P) | Z | 22 | 42 | 58 | | | | | |
| | | e | Z | | 43 | 03 | | | | | |
| | WN | eL | Z | 22 | 43 | 16 | | | | | |
| | | M | Z | | 50 | | | | | | |
| | | M | ZE | | 58 | | | | 19 18 | | |
| | MN | eP | Z | 22 | 44 | 15 | | | | | |
| | RX | e | Z | 22 | 44 | 33 | | | | | |
| | | eL | ZNE | | 53 | | | | | | |
| | | M | E | | 54 | | | | | | |
| | | M | E | | 55 | | | | 10 20 | 5.9 | |
| | Origin: | | | 22 | 37 | 30.0 | 15.3S | 173.2W | 33km | USCGS | 5.0 |
| 8 | KP | eP | Z | 01 | 07 | 12 | | | | | |
| | CT | e(P) | Z | 01 | 07 | 23 | | | | | |
| | WN | eL | Z | 01 | 15 | | | | 5 16 | | |
| | | M | Z | | 19 | | | | | | |
| | RX | eL | E | 01 | 17 | | | | | | |
| | | eL | N | | 20 | | | | | | |
| | | M | E | | 21 | | | | | | |
| | Origin: | | | 01 | 01 | 51.9 | 15.1S | 173.0W | 33km | USCGS | 4.6 |
| 8 | KP | e(P) | Z | 02 | 03 | 54 | | | | | |
| | CT | e(P) | Z | 02 | 04 | 13 | | | | | |
| | WN | eL | Z | 02 | 09 | | | | | | |
| | Origin: | | | 02 | 00 | 32.0 | 23.2S | 171.3E | 47km | USCGS | 4.3 |
| 8 | WN | eL | Z | 05 | 18 | | | | | | |
| | Origin: | | | 04 | 22 | 53.0 | 22.7S | 13.7W | 33km | USCGS | 4.9 |

| Date | Stn | Phase | | h | m | s | | Az Tz | An Tn | Ae Te | Mag. |
|-------|---------|-------|-----|----|------|------|---|--------------|--------|-------|------|
| JUN 8 | KP | iP | Z | 05 | 41 | 38 | u | | | | |
| | CT | P | Z | 05 | 41 | 46 | u | | | | |
| | WN | e? | Z | 05 | 41 | 53 | | | | | |
| | RX | eP | Z | 05 | 41 | 59 | | | | | |
| | | e(pP) | Z | | 42 | 28 | | | | | |
| | Origin: | | | 05 | 34 | 06.8 | | 5.5S 147.0E | 170km | USCGS | |
| 8 | KP | e(P) | Z | 19 | 57 | 11 | | | | | |
| | Origin: | | | 19 | 52 | 45 | | 16.1S 176.9W | 542km | USCGS | |
| 8 | KP | e(P) | Z | 23 | 03 | 52 | | | | | |
| | WN | eL | Z | 23 | 13 | | | | | | |
| | Origin: | | | 22 | 58 | 32 | | 14.5S 174.0W | 33km | USCGS | |
| 9 | WN | eL | Z | 01 | 40 | | | | | | |
| | | M | Z | | 42 | | | 9 19 | | | |
| | RX | eL | E | 01 | 44 | | | | | | |
| | Origin: | | | 01 | 30 | 32.2 | | 23.5S 176.0W | 33km | USCGS | |
| 9 | KP | eP | Z | 04 | 02 | 47 | | | | | |
| | | e | Z | | 49 | | | | | | |
| | CT | e(P) | Z | 04 | 03 | 02 | | | | | |
| | WN | eL | Z | 04 | 10 | | | | | | |
| | RX | eL | E | 04 | 10 | | | | | | |
| | Origin: | | | 03 | 57 | 57.9 | | 17.5S 168.0E | 33km | USCGS | |
| 9 | CT | eP | Z | 07 | 48 | 51 | | | | | |
| | Origin: | | | 07 | 42 | 20.3 | | 12.2S 166.9E | 233km | USCGS | |
| 9 | KP | eP | Z | 15 | 55 | 52 | | | | | |
| | CT | e(P) | Z | 15 | 56 | 07 | | | | | |
| | WN | eL | Z | 16 | 04 | | | | | | |
| | | M | Z | | 06 | | | | | | |
| | RX | eL | E | 16 | 06 | | | | | | |
| | Origin: | | | 15 | 50 | 31.8 | | 15.3S 172.9W | 33km | USCGS | |
| 9 | WN | eL | Z | 21 | 42 | | | | | | |
| | Origin: | | | 20 | 37 | 51.6 | | 10.7N 41.9W | 33km | USCGS | |
| 10 | RX | eP? | Z | 04 | 20 | 39 | | | | | |
| | | e | Z | | 40 | | u | 23 8 | | | |
| | | e(S) | E | | 23 | 46 | | | | | |
| | | e | N | | 24.0 | | | | | | |
| | | e | Z | | 24.1 | | | | | | |
| | | M | NE | | 25 | | | 150 12 | 150 11 | | |
| | WN | iP | ZNE | 04 | 21 | 43 | u | 31 6 | | | |
| | | eS | ZNE | | 26 | 04 | | 25 12 | 38 12 | | |
| | | eL | N | | 28 | | | | | | |
| | | M | NE | | 29 | | | 96 16 | 67 16 | | |
| | CT | eP | Z | 04 | 22 | 04 | | | | | |
| | KP | e(P) | Z | 04 | 22 | 17 | | | | | |
| | Origin: | | | 04 | 16 | 37.7 | | 55.4S 146.4E | 33km | USCGS | |
| 10 | KP | eP | Z | 05 | 06 | 50 | | | | | |
| | CT | e? | Z | 05 | 07 | 06 | | | | | |
| | Origin: | | | 05 | 02 | 34.6 | | 18.6S 169.3E | 240km | USCGS | |
| 10 | RX | e(P) | Z | 05 | 18 | 21 | | | | | |
| | | eL | NE | | 22 | | | | | | |
| | WN | e(L) | Z | 05 | 26 | | | | | | |
| | Origin: | | | 05 | 14 | 15.6 | | 55.2S 146.3E | 33km | USCGS | |
| 10 | RX | P | Z | 06 | 43 | 10 | d | 18 10 | | | |
| | | e(S) | NE | | 46.4 | | | | | | |
| | | M | NE | | 48 | | | 200 13 | 260 14 | | |

| Date | Stn | Phase | | h | m | s | | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|---------|-----|----|----|------|---|--------------|-------|-------|------|
| JUN | WN | iP | ZNE | 06 | 44 | 12 | d | | | 41 11 | |
| | | eS | ZNE | | 48 | 24 | | | | | |
| | | eL | NE | | 50 | | | | | | |
| | | M | N | | 51 | | | | | | |
| | | M | E | | 52 | | | | | | |
| | | e(P) | Z | 06 | 44 | 35 | | | | | |
| | KP | e(P) | Z | 06 | 44 | 42 | | | | | |
| | Origin: | | | 06 | 39 | 04.0 | | 55.3S 146.1E | 18km | USCGS | 6.0 |
| 10 | WN | e(L) | Z | 09 | 23 | | | | | | |
| | | eL? | Z | | 26 | | | | | | |
| 10 | WN | eL | Z | 11 | 30 | | | | | | |
| | | Origin: | | 10 | 46 | 58.1 | | 50.9N 160.2E | 33km | USCGS | 5.3 |
| 10 | KP | eP | Z | 12 | 27 | 12 | | | | | |
| | | e | Z | | 21 | | | | | | |
| | | epP | Z | | 49 | | | | | | |
| | CT | eP | Z | 12 | 27 | 24 | | | | | |
| | RX | e(P) | Z | 12 | 27 | 46 | | | | | |
| | | e(SS) | NE | | 42 | | | | | | |
| | WN | e(SS) | Z | 12 | 37 | | | | | | |
| | | e | Z | | 40 | | | | | | |
| | Origin: | | | 12 | 19 | 56.1 | | 4.6S 152.0E | 174km | USCGS | 5.2 |
| 10 | CT | eP | Z | 18 | 49 | 34 | d | | | | |
| | | eP | Z | 18 | 49 | 37 | | | | | |
| | RX | e(P) | Z | 18 | 49 | 56 | | | | | |
| | Origin: | | | 18 | 42 | 06.2 | | 5.1S 151.7E | 112km | USCGS | 4.9 |
| 10 | KP | P | Z | 24 | 06 | 07 | u | | | | |
| | | e(PcP) | Z | | 08 | 16 | | | | | |
| | CT | P | Z | 24 | 06 | 16 | u | | | | |
| | | ePcP? | Z | | 08 | 18 | | | | | |
| | TU | eP | Z | 24 | 06 | 19 | | | | | |
| | WN | eP | Z | 24 | 06 | 26 | | | | | |
| | | e | Z | | 08 | 24 | | | | | |
| | | e(S) | Z | | 13 | | | | | | |
| | | e | Z | | 16 | 12 | | | | | |
| | | eL | ZE | | 18 | | | | | | |
| | | M | Z | | 21 | | | 5 22 | | | |
| | RX | eP | Z | 24 | 06 | 41 | | | | | |
| | | eL | ZNE | | 19 | | | | | | |
| | | M | E | | 23 | | | | | | |
| | Origin: | | | 23 | 58 | 44.3 | | 4.5S 152.8E | 69km | USCGS | 5.2 |
| 11 | WN | e(L) | Z | 14 | 01 | | | | | | |
| | | M | Z | | 06 | | | 1 20 | | | |
| 11 | WN | e(L) | Z | 16 | 10 | | | | | | |
| | | M | Z | | 14 | | | 3 18 | | | |
| | Origin: | | | 15 | 23 | 42.3 | | 31.8N 115.2W | 33km | USCGS | 5.2 |
| 11 | KP | P | Z | 17 | 16 | 23 | d | | | | |
| | | eP | Z | 17 | 16 | 34 | | | | | |
| | | e | Z | | 36 | | | | | | |
| | | e | Z | | 19 | 34 | | | | | |
| | | e | Z | | 52 | | | | | | |
| | WN | e(P) | Z | 17 | 16 | 54 | | | | | |
| | | e | ZNE | | 20 | 22 | | | | | |
| | GP | e(P) | N | 17 | 17 | 22 | | | | | |
| | | e(S) | N | | 20 | 49 | | | | | |
| | Origin: | | | 17 | 13 | 11.5 | | 23.1S 179.8W | 550km | USCGS | 4.1 |
| 11 | KP | eP | Z | 17 | 16 | 48 | | | | | |

| Date | Stn | Phase | h m s. | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|-------|------------|--------------|--------------|-------|-------|
| JUN | CT | e | Z | 17 17 | | | |
| | | eP | Z | 17 17 00 | | | |
| | WN | e | Z | 17 17 02 | | | |
| | | eP? | Z | 17 17 20 | | | |
| | GP | e(P) | N | 17 17 46 | | | |
| | | e(S) | N | 21 13 | | | |
| | Origin: | | | 17 13 36.2 | 23.2S 179.7W | 550km | USCGS |
| | 11 WN | eL | Z | 22 51 | | | |
| | | M | Z | 52 | 1 18 | | |
| | 12 KP | eP | Z | 04 13 13 | | | |
| eP | | Z | 13 23 | | | | |
| Origin: | | | 04 08 11.7 | 15.8S 174.2W | 150km | USCGS | |
| 12 KP | P | Z | 13 07 33 | | | | |
| | e | Z | 54 | | | | |
| CT | eP | Z | 07 46 | | | | |
| | Origin: | | | 13 02 47.9 | 17.0S 173.4W | 33km | USCGS |
| 13 KP | e(P) | Z | 05 19 49 | | | | |
| | eL | Z | 28 | | | | |
| Origin: | | | 05 14 26.6 | 15.2S 173.3W | 33km | USCGS | |
| 13 WN | e? | Z | 10 44 26 | | | | |
| | e(L) | Z | 11 01 | | | | |
| KP | eP | Z | 10 44 27 | | | | |
| | e | Z | 10 44 28 | | | | |
| Origin: | | | 10 34 52.4 | 6.1S 130.1E | 150km | USCGS | |
| 13 KP | eP | Z | 17 34 03 | | | | |
| | | e? | Z | 36 09 | | | |
| | CT | e | Z | 39 59 | | | |
| | | P | Z | 17 34 12 | | | |
| | WN | e | Z | 41 44 | | | |
| | | e(P) | Z | 17 34 23 | | | |
| | e | Z | 40.1 | | | | |
| | | NE | Z | 41 12 | | | |
| | eL | Z | 44 | | | | |
| | | M | Z | 46 | | | |
| RX | eP | Z | 17 34 37 | | | | |
| | eL | NE | 48 | | | | |
| Origin: | | | 17 26 41.1 | 4.6S 153.2E | 54km | USCGS | |
| 14 CT | e(P) | Z | 16 35 03 | | | | |
| | Origin: | | | 16 30 46.3 | 17.9S 178.5W | 587km | USCGS |
| 14 WN | e(L) | Z | 22 40 | | | | |
| 15 KP | eP | Z | 05 06 32 | | | | |
| | eP | Z | 05 06 38 | | | | |
| WN | eP | Z | 05 07 01 | | | | |
| | Origin: | | | 05 01 52.0 | 15.0S 177.8W | 350km | USCGS |
| 15 WN | eL | Z | 12 25 | | | | |
| 15 WN | eP | Z | 15 41 16 | | | | |
| | | ZE | 49 56 | | | | |
| | e(SP) | ZE | 50 24 | 2 26 | | 3 26 | |
| | eSS | Z | 53.4 | | | | |
| | eL | ZE | 16 00 | | | | |
| M | ZNE | Z | 03 | 5 18 | 1 18 | 2 18 | |
| | eP | Z | 15 41 15 | | | | |

| Date | Stn | Phase | h m s. | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|---------|------------|--------------|--------------|--------------|-------|
| JUN | KP | eP | Z | 15 41 18 | | | |
| | | eP | Z | 15 41 30 | | | |
| | RX | eS | NE | 50 18 | | | 2 24 |
| | | eL | ZNE | 16 01 | | | 2 18 |
| | Origin: | | | 15 30 37.7 | 36.3S 98.9W | 33km | USCGS |
| 16 KP | P | Z | 13 56 22 | | | | |
| | | e(pp) | Z | 37 | | | |
| | CT | P | Z | 13 56 31 | | | |
| | | epP | Z | 47 | | | |
| | RX | e | Z | 13 57 12 | | | |
| e | | Z | 13 57 16 | | | | |
| Origin: | | | 13 49 00.1 | 4.5S 153.0E | 72km | USCGS | |
| 17 KP | 1P | Z | 02 09 05 | | | u | |
| | | Z | 02 09 14 | | | | |
| | CT | e(P) | X | 02 09 53 | | | |
| | | e(P) | N | 02 09 56 | | | |
| | GP | eP | N | 13 57 | | | |
| eS | | Z | 02 10 20 | | | | |
| RX | eP | Z | 02 10 27 | | | | |
| | eP | Z | 02 04 55.7 | 17.7S 178.5W | 515km | USCGS | |
| Origin: | | | | | | 3.2 | |
| 17 CT | e? | Z | 02 11 10 | | | | |
| | | Z | 13 13 | | | | |
| | WN | e? | Z | 02 12 45 | | | |
| | | e? | Z | 02 06 10 | 15.9S 177.9W | 33km | USCGS |
| | Origin: | | | | | | 4.4 |
| 17 KP | eP | Z | 17 41 09 | | | | |
| | | P | Z | 17 42 37 | | | |
| | Origin: | | | 17 37 22.2 | 20.3S 177.3W | 529km | USCGS |
| 17 RX | eP | N | 18 35 38 | | | 9 11 | |
| | | i | Z | 44 | 10 8 | | |
| | i(s) | E | 39 40 | | | 90 14 | |
| | | eL | ZNE | 48 | | | |
| | M | E | 40.1 | | | 90 11 | |
| M | | E | 42 | | | | |
| MN | P | Z | 18 35 41 | | | d | |
| | GP | eP? | N | 18 35 53 | | | |
| WN | e | N | 58 | | | | |
| | eP? | Z | 18 36 08 | | | u | |
| e | Z | 13 | | | 17 8 | | |
| | e(S) | E | 40 40 | | | 22 14 | |
| e(L) | ZN | 42 | | | | | |
| | M | Z | 43 | | | 66 20 | |
| KP | eP | Z | 18 36 44 | | | u | |
| | | Origin: | | | 18 30 54.1 | 65.8S 179.5W | 33km |
| Origin: | | | | | | 5.6 | |
| 17 KP | e(P) | Z | 20 13 06 | | | | |
| | | E | 20 13 48 | | | | |
| | GP | e(P) | N | 20 14 14 | | | |
| | | eS | N | 18 36 | | | |
| | MN | eP | Z | 20 14 37 | | | |
| eL | | Z | 20 20 | | | | |
| RX | M | Z | 22 | | | 2 18 | |
| | eL | E | 20 22 | | | | |
| Origin: | | | 20 08 37.0 | 20.4S 174.4W | 33km | USCGS | |
| 17 MN | 1P | Z | 23 13 13 | | | u | |
| | | pp | Z | 30 | | u | |
| | P | Z | 23 13 21 | | | | |
| | | epP | Z | 38 | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|-------|---------|---------|------|----|------|-------|--------|--------|-------|
| JUN | WN | eL | E | 36 | | | | | |
| | | eP? | Z | 23 | 13 | 36 | | | |
| | | e? | ZNE | | | 42 | | | |
| | | e | Z | | | 54 | | | |
| | CT | eL | Z | | | 38 | | | |
| | | M | Z | | | 42 | 2 28 | | |
| | KP | iP | Z | 23 | 13 | 39 | | | u |
| | | epP | Z | | | 55 | | | |
| | KP | P | Z | 23 | 13 | 39 | | | u |
| | | epP | Z | | | 56 | | | |
| | Origin: | | 23 | 02 | 06.6 | 4.1S | 102.2E | 73km | USCGS |
| 18 | KP | eP | Z | 04 | 14 | 33 | | | |
| | | e | Z | | | 41 | | | |
| | RX | e(P) | Z | 04 | 14 | 50 | | | |
| | | e | Z | | | 58 | | | |
| | MN | eP | Z | 04 | 14 | 54 | | | |
| | CT | e? | Z | 04 | 14 | 55 | | | |
| WN | eL | Z | 04 | 14 | 43 | 6 24 | | | |
| | Origin: | | 04 | 02 | 31.0 | 29.0N | 129.9E | 33km | USCGS |
| 18 | KP | eP | Z | 09 | 35 | 40 | | | |
| | | Origin: | | 09 | 30 | 47.3 | 15.7S | 168.0E | 176km |
| 18 | CT | eP | Z | 23 | 25 | 36 | | | |
| | | e | Z | | | 39 | | | |
| | Origin: | | 23 | 14 | 23.9 | 12.6N | 124.2E | 16km | USCGS |
| 19 | WN | eS | NE | 02 | 23 | 40 | | | |
| | | eL | ZE | | | 25 | | | |
| | M | ZN | | | 28 | 7 19 | | 4 18 | |
| | RX | eL | NE | | | 27 | | | |
| | | M | E | | | 29 | | | |
| | | Origin: | | 02 | 15 | 54.1 | 23.6S | 174.9W | 55km |
| 19 | KP | eP | Z | 09 | 19 | 18 | | | |
| | | MN | e(P) | Z | 09 | 19 | 19 | | |
| | WN | e(P) | Z | 09 | 19 | 22 | | | |
| | | e | Z | | | 31 | | | |
| | e | Z | | | 46 | | | | |
| | e(S) | ZNE | | | 27.9 | | | | |
| | eSS | E | | | 32 | | | | |
| | e(SSS) | ZE | | | 35 | | | | |
| | eL | ZE | | | 39 | | | | |
| | M | ZE | | | 43 | 13 28 | | 5 27 | |
| | CT | e | Z | 09 | 19 | 27 | | | |
| | TU | eP | Z | 09 | 19 | 28 | | | |
| | RX | e? | Z | 09 | 19 | 30 | | | |
| | | e | Z | | | 38 | | | |
| eS | N | | | 27 | | | | | |
| e(SS) | NE | | | 32 | | | | | |
| eSSS | NE | | | 35 | | | | | |
| e(L) | NE | | | 39 | | | | | |
| | Origin: | | 09 | 09 | 04.0 | 4.7N | 126.5E | 83km | USCGS |
| 19 | WN | eL | Z | 11 | 38 | | | | |
| | | M | Z | | | 42 | 1 30 | | |
| | RX | eL | E | | | 43 | | | |
| | | M | E | | | 44 | | | |
| | Origin: | | 10 | 47 | 24.7 | 25.0N | 92.1E | 51km | USCGS |
| 19 | KP | eP | Z | 12 | 05 | 23 | | | |
| | | CT | eP | Z | 12 | 05 | 33 | | |
| | e | Z | | | 06 | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|---------|---------|---------|----|----|------|-------|--------|------------|-------|-------|
| JUN | WN | e? | Z | 12 | 06 | 08 | | | | |
| | | eS | NE | | | 16 | | | | |
| | RX | eL | NE | | | 18 | | | 2 18 | |
| | | M | NE | | | 18 | | | 2 20 | |
| | WN | eL | Z | 12 | 16 | | | | 5.5 | |
| | | Origin: | | 11 | 58 | 55.0 | 9.3S | 158.8E | 33km | USCGS |
| | 19 | KP | P | Z | 16 | 40 | 21 | | | |
| | | | WK | P | Z | 16 | 40 | 21 | | |
| | TU | e(S) | Z | 16 | 40 | 23.7 | | | u | |
| | | P | Z | | | 39 | | | | |
| CT | eS | Z | | | 44 | | | | | |
| | e | Z | | | 41 | | | | | |
| TA | iP | Z | 16 | 40 | 26 | | | | | |
| | e(S) | Z | 16 | 40 | 48 | | | u | | |
| ON | e | Z | | | 48 | | | | | |
| | eP | E | 16 | 40 | 44 | | | 4.2 | | |
| WN | eS | E | 16 | 40 | 18 | | | | | |
| | P | ZNE | 16 | 40 | 48.7 | | | u | | |
| CB | eS | NE | | | 41 | | | 5.9 | | |
| | eP | E | 16 | 40 | 57 | | | | | |
| OP | e | E | | | 41 | | | | | |
| | eS | E | | | 32 | | | | | |
| EM | eP | N | 16 | 41 | 24 | | | 6.4 | | |
| | eS | N | | | 42 | | | | | |
| MN | e | X | 16 | 41 | 32 | | | | | |
| | eS | X | | | 53 | | | | | |
| RX | eP | X | | | 42 | | | | | |
| | eS | X | 16 | 42 | 14 | | | d | | |
| Origin: | e | Z | | | 43 | | | | | |
| | eS | Z | | | 51 | | | | | |
| 19 | KP | e | Z | | | 59 | | | | |
| | | eS | Z | | | 44 | | | | |
| Origin: | e? | Z | 16 | 42 | 16 | | | | | |
| | e | Z | | | 43 | | | | | |
| Origin: | e | Z | | | 39 | | | | | |
| | eS | Z | | | 41 | | | | | |
| | Origin: | | 16 | 39 | 57 | 38.1S | 176.3E | 165km | NZ(B) | |
| | Felt: | | | | | | | Wellington | 5.7 | |
| 19 | KP | e(P) | Z | 18 | 29 | 15 | | | | |
| | | e | Z | | | 18 | | | | |
| | CT | e | Z | | | 27 | | | | |
| | | e | Z | | | 52 | | | | |
| | TU | epP | Z | | | 30 | | | | |
| | | ePcP | Z | | | 13 | | | d | |
| | CT | ePcS | Z | | | 31 | | | | |
| | | eP | Z | | | 41 | | | | |
| | TU | e? | Z | 18 | 29 | 27 | | | | |
| | | eP | Z | | | 30 | | | | |
| | WN | e | Z | 18 | 29 | 29 | | | | |
| | | e | Z | | | 30 | | | | |
| | Origin: | e(SS) | Z | 18 | 29 | 05 | | | | |
| | | e | Z | | | 39 | | | | |
| | Origin: | | 18 | 22 | 09.6 | 3.5S | 153.4E | 279km | USCGS | |
| 19 | KP | e(P) | Z | 23 | 13 | 43 | | | | |
| | | WN | eL | Z | 23 | 39 | | | | |
| | Origin: | | 23 | 01 | 51.5 | 31.5N | 140.3E | 38km | USCGS | |
| 20 | KP | e(P) | Z | 01 | 08 | 17 | | | | |
| | | WN | e? | Z | 01 | 08 | 57 | | | |
| | Origin: | | 00 | 56 | 04.1 | 36.3N | 144.5E | 33km | USCGS | |

NEW ZEALAND SEISMOLOGICAL REPORT

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|-------------|---------------------|-------|-------------|------|
| JUN 20 | WN | eL | Z 19 24 | | | | |
| | 20 ON | e(P) | E 22 49 02 | | | | |
| | | e | E 33 | | | | |
| | KP | e(P) | Z 22 49 05 | | | | |
| | CT | e(P) | Z 22 49 22 | | | | |
| | | e | Z 46 | | | | |
| | | eS | Z 51 44 | | | | |
| | | e | Z 52 09 | | | | |
| | TU | e | Z 22 49 33 | | | | |
| | | e(S) | Z 51 12 | | | | |
| | WN | e | NE 22 49 38 | | | | |
| | | e | NE 54 | | | | |
| | | eS | NE 52 21 | | | | |
| | | eL | ZNE 53 1 | | | | |
| | | M | E 55 | | | | |
| | RX | e | Z 22 50 58 | | | 14 20 | |
| | | eL | NE 56 | | | | |
| | | M | E 58 | | | | |
| | Origin: | | 22 46 18.1 | 27.9S 176.6W | 41km | 15 20 USCGR | 5.4 |
| | | | | Felt: Raoul Is. MM2 | | | 5.1 |
| 21 | TU | e(P) | Z 00 10 40 | | | | |
| | | eS | Z 12 28 | | | | |
| | KP | e? | Z 00 10 49 | | | | |
| | | e | Z 55 | | | | |
| | | e | Z 11 50 | | | | |
| | CT | e? | Z 00 11 03 | | | | |
| | | e | Z 23 | | | | |
| | | e | Z 12 54 | | | | |
| | | e | Z 13 01 | | | | |
| | WN | e? | NE 00 11 23 | | | | |
| | | eS | NE 13 35 | | | | |
| | RX | e(P) | Z 00 12 38 | | | | |
| | MN | eP | Z 00 12 48 | | | | |
| 21 | TU | e(S) | Z 17 47 34 | | | | |
| | WN | eS | NE 17 48 38 | | | | |
| | | eL | NE 49 1 | | | | |
| | | eL | Z 50 1 | | | | |
| | | M | E 51 | | | | |
| | RX | eL | NE 17 53 | | | 3 20 | |
| | | M | E 54 | | | | |
| | Origin: | | 17 42 35.9 | 27.9S 176.2W | 33km | 4 20 USCGR | 5.4 |
| 21 | CT | e? | Z 21 44 12 | | | | |
| | | e(S) | Z 46 31 | | | | |
| | TU | e? | Z 21 44 17 | | | | |
| | | e | Z 30 | | | | |
| | | e(S) | Z 46 03 | | | | |
| | ON | e(P) | E 21 44 25 | | | | |
| | WN | e(P) | Z 21 45 12 | | | | |
| | | eS | ZNE 47 09 | | | | |
| | | eL | E 48 | | | | |
| | | eL | Z 49 | | | | |
| | | M | Z 51 | | | | |
| | GP | e | N 21 45 51 | | | 8 19 | |
| | | eS | N 48 18 | | | | |
| | MN | eP | Z 21 46 24 | | | | |
| | TO | e | Y 21 46 34 | | | | |
| | KM | e(S) | X 21 48 | | | | |
| | RX | eL | NE 22(52) | | | | |
| | | M | E (53) | | | | |
| | Origin: | | 21 42 01.0 | 29.7S 177.4W | 43km | 4 20 USCGR | 5.4 |
| | | | | Felt: Raoul Is. MM2 | | | 4.4 |

NEW ZEALAND STATIONS 1963

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|--------------|---------------------|--------|-------|-----------|
| JUN 22 | WN | eL | Z 04 56 | | | | |
| | | eL | Z 04 37 21.7 | 6.1S | 154.4E | 64km | USCGS 4.9 |
| | Origin: | | | | | | |
| | | e(PS) | E 08 55.9 | | | | |
| | | e | E 09 07 | | | | 2 24 |
| | | eL | E 08 56 | | | | |
| | WN | e(PS) | Z 09 06 | | | | |
| | | eL | ZNE 08 08 | | | | |
| | | M | Z 08 35 14.8 | 41.1S | 90.2W | 33km | USCGS 4.6 |
| | Origin: | | | | | | |
| | | e? | Z 12 30 23 | | | | |
| | KP | e? | Z 12 24 56.5 | 15.1S | 172.7W | 50km | USCGS 4.2 |
| | Origin: | | | | | | |
| | | eP | Z 16 21 57 | | | | |
| | | P | Z 16 21 59 | | | | |
| | CT | eP | Z 16 22 04 | | | | |
| | TU | eP | Z 16 12 14.0 | 6.0S | 113.1E | 595km | USCGS 5.1 |
| | Origin: | | | | | | |
| | | e? | Z 21 32 02 | | | | |
| | TU | eS | Z 21 33 10 | | | | |
| | WN | eL | Z 36 | | | | |
| | | eL | Z 21 27 58.4 | 30.1S | 177.2W | 33km | USCGS 4.4 |
| | Origin: | | | | | | |
| | | | | Felt: Raoul Is. MM2 | | | |
| 23 | ON | eP? | E 03 51 48 | | | | |
| | | e | E 53 | | | | |
| | | e | E 50 | | | | |
| | TU | e(P) | Z 03 51 57 | | | | |
| | | e | Z 53 34 | | | | |
| | | e(S) | Z 38 | | | | |
| | | e | Z 41 | | | | |
| | | e | Z 03 52 00 | | | | |
| | KP | e(P) | Z 03 52 09 | | | | |
| | CT | eP | Z 54 05 | | | | |
| | | e(S) | Z 12 | | | | |
| | | e | Z 03 52 43 | | | | |
| | WN | eP | NE 54 45 | | | | |
| | | eS | ZNE 02 38 | | | | |
| | | e | E 55 | | | | |
| | | eL | E 56 | | | | |
| | | eL | ZN 57 | | | | |
| | | M | Z 11 22 | | | | |
| | | eP | X 03 53 15 | | | | |
| | | eS | X 55 43 | | | | |
| | GP | e(P) | N 03 53 17 | | | | |
| | | eS | N 55 49 | | | | |
| | RX | eP | Z 03 53 45 | | | | |
| | | e | Z 54 10 | | | | |
| | | eL | NE 58 | | | | |
| | | M | NE 04 01 | | | | |
| | Origin: | | 03 49 33.9 | 29.6S | 177.9W | 55km | USCGS 5.4 |
| | | | | Felt: Raoul Is. MM4 | | | 5.0 |
| 23 | WN | e? | Z 09 00 45 | | | | |
| | | eL | Z 13 | | | | |
| | KP | eP | Z 09 00 52 | | | | |
| | CT | P | Z 09 00 59 | | | | |
| | Origin: | | 08 53 09.6 | 6.0S | 146.6E | 61km | USCGS 5.3 |
| 23 | WN | eL | Z 18 57 | | | | |
| | Origin: | | 18 27 11.8 | 12.3N | 140.7E | 42km | USCGS 4.9 |
| 24 | WN | eL | Z 03 15 | | | | |
| | Origin: | | 02 59 17.4 | 10.6S | 163.3E | 58km | USCGS 4.7 |
| 24 | WN | eSKS | Z 04 51 09 | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|------|---------|-------|----|----|----|-------|-------|--------|-------------|-----|
| JUN | | e(S*) | Z | | 56 | | | | | |
| | ON | e(SS) | Z | 24 | 00 | | | | | |
| | | eP? | E | 23 | 59 | | | | | |
| | | eP*? | E | | 26 | | | | | |
| | | e(S*) | E | 24 | 00 | | | | | |
| | | e(SS) | E | | 24 | | | | | |
| | WN | eP | ZN | 23 | 59 | | | | 4.0 | |
| | | e | NE | | 29 | | | | | |
| | | e(P*) | NE | | 37 | | | | 5.0 | |
| | | eS | NE | 24 | 00 | | | | | |
| | | eS* | NE | | 32 | | | | | |
| | CB | eP | E | 23 | 59 | | | | 4.8 | |
| | | e | E | | 44 | | | | | |
| | | eP* | E | | 58 | | | | | |
| | | e(S) | E | 24 | 00 | | | | | |
| | | e | E | | 37 | | | | | |
| | | e | E | | 43 | | | | | |
| | | eS* | E | 01 | 01 | | | | | |
| | GP | e(P) | N | 24 | 00 | | | | | |
| | | e | N | | 07 | | | | | |
| | | e | N | | 10 | | | | | |
| | | e | N | | 15 | | | | | |
| | | e | N | 01 | 16 | | | | | |
| | | e(S) | N | | 19 | | | | | |
| | | e | N | | 35 | | | | 5.0 | |
| | KM | e | X | 24 | 00 | | | | | |
| | | eS | X | 01 | 15 | | | | | |
| | | e(S*) | X | 02 | 02 | | | | 5.0 | |
| | RX | eP? | Z | 24 | 00 | | | | | |
| | | e | Z | | 50 | | | | | |
| | | eS? | Z | | 02 | | | | | |
| | | e | Z | | 27 | | | | | |
| | MN | eP? | Z | 24 | 00 | | | | | |
| | | e? | Z | | 01 | | | | | |
| | | e | Z | | 04 | | | | | |
| | | e(S) | Z | | 02 | | | | | |
| | | e | Z | | 03 | | | | | |
| | Origin: | | | 23 | 58 | 29 | 37.8S | 177.6E | S NZ(C) | 5.0 |
| | 30 MN | eP | Z | 01 | 49 | 20 | | | | |
| | Origin: | | | 01 | 39 | 05.4 | 11.8N | 142.5E | 33km USCGS | 4.6 |
| | 30 KP | eP | Z | 02 | 08 | 45 | | | | |
| | | e | Z | | 42 | | | | | |
| | | e | Z | | 09 | 41 | | | | |
| | MN | e(P) | Z | 02 | 10 | 15 | | | | |
| | RX | e(L) | E | 02 | 14 | 1/2 | | | | |
| | Origin: | | | 02 | 04 | 56.9 | 21.9S | 170.8E | 73km USCGS | 4.7 |
| | 30 MN | P | Z | 04 | 29 | 31 | | | | |
| | Origin: | | | 04 | 19 | 17.0 | 11.7N | 142.6E | 33km USCGS | 4.7 |
| | 30 MN | eP? | Z | 06 | 41 | 02 | | | | |
| | 30 MN | P | Z | 06 | 56 | 38 | | | u | |
| | RX | eP | Z | 06 | 56 | 44 | | | | |
| | | e(SS) | E | 07 | 08 | 1/2 | | | | |
| | TA | eP | Z | 06 | 56 | 59 | | | | |
| | WN | eP | Z | 06 | 57 | 01 | | | | |
| | | e | Z | | 05 | | | | | |
| | KP | eP | Z | 06 | 57 | 03 | | | | |
| | TU | e(P) | Z | 06 | 57 | 10 | | | | |
| | Origin: | | | 06 | 45 | 36.8 | 2.5S | 102.4E | 160km USCGS | 5.5 |
| | 30 WN | eL | Z | 22 | 46 | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|------|---------|-------|-----|----|------|-------|--------|---------|------------------------------------|-----|
| | | | | | 48 | | | | | |
| | | M | Z | 22 | 53 | | | | | |
| | RX | e(L) | N | 22 | 04 | 52.8 | 46.5N | 153.3E | 33km USCGS | 4.9 |
| | Origin: | | | | | | | | | |
| | 30 KP | e? | Z | 23 | 12 | 20 | | | | |
| | | e | Z | | 33 | | | | | |
| | TA | e | Z | 23 | 12 | 54 | | | | |
| | | e | Z | | 14 | 46 | | | | |
| | GP | e(S) | Z | 23 | 13 | 44 | | | | |
| | | e? | N | | 16 | 08 | | | | |
| | WN | e(S) | N | 23 | 14 | 27 | | | | |
| | | e(P) | Z | 23 | 15 | 00 | | | | |
| | WN | eS | NE | | 02 | | | | | |
| | | e | E | | | | | | | |
| | | | | | | | | | Felt: Raoul Is. MM1 | |
| | 1 KP | eP? | Z | 00 | 12 | 38 | | | | |
| | WN | eL | Z | 00 | 23 | | | | | |
| | | M | Z | | 24 | | | | | |
| | 1 KP | eP? | Z | 04 | 08 | 34 | | | | |
| | WN | eS | Z | 04 | 13 | 50 | | | | |
| | | eLq | E | | 16.7 | | | | | |
| | | eLr | ZN | | 17.4 | | | | | |
| | | M | ZNE | | 19 | | | | 2 16 | |
| | RX | eLq | N | 04 | 16.7 | | | | 3 15 | |
| | | eLr | N | | 19.3 | | | | | |
| | | M | E | | 20 | | | | 3 15 | |
| | | eLr | M | | 21 | | | | | |
| | | M | Z | | 22 | | | | | |
| | Origin: | | | 04 | 03 | 42.9 | 17.4S | 167.6E | 3 16 | |
| | | | | | | | | | 33km USCGS | |
| | 1 KP | eP | Z | 06 | 34 | 06 | | | | |
| | WN | eS | ZNE | 06 | 37 | 15 | | | | |
| | Origin: | | | 06 | 31 | 27 | 25.7S | 179.1E | 583km USCGS | 4.1 |
| | 1 TA | 1P | Z | 17 | 06 | 55.5 | d | | | |
| | CT | 1P | Z | 17 | 06 | 56.7 | u | | | |
| | WE | P | Z | 17 | 07 | 02.5 | | | | |
| | | e | Z | | 24 | 1/2 | | | | |
| | KP | P | Z | 17 | 07 | 05.0 | d | | | |
| | WN | 1P | ZNE | 17 | 07 | 06.8 | use | | 5.4 | |
| | | S | E | | 29 | | | | | |
| | TU | P | Z | 17 | 07 | 08.8 | u | | | |
| | | S | Z | | 34 | | | | | |
| | CB | 1P | E | 17 | 07 | 11.1 | w | | | |
| | ON | P | E | 17 | 07 | 32.6 | | | 5.5 | |
| | | e(S) | E | | 08 | 16 | | | | |
| | GP | P | N | 17 | 07 | 38.6 | s | | 6.5 | |
| | | S | N | | 08 | 25 | 1/2 | | | |
| | RX | 1P | Z | 17 | 08 | 14.1 | d | | | |
| | | S | Z | | 09 | 29 | 1/2 | | | |
| | WN | P | Z | 17 | 08 | 27.0 | | | | |
| | | eS | Z | | 09 | 55 | | | | |
| | Origin: | | | 17 | 06 | 35 | 39.65S | 174.85E | 135km NZ(B) | 5.9 |
| | | | | | | | | | Felt: Gisborne to Christchurch MM4 | |
| | 1 KP | eP? | Z | 17 | 57 | 24 | | | | |
| | WN | eLq | E | 18 | 02.4 | | | | | |
| | | eLr | ZN | | 05.0 | | | | | |
| | | M | ZNE | | 07 | | | | | |
| | Origin: | | | 17 | 53 | 12 | 2 14 | 2 14 | 2 14 | |
| | | | | | | | 20.8S | 169.2E | 33km USCGS | 4.7 |
| | 3 WN | eL | Z | 18 | 47 | | | | | |
| | RX | eL | E | 18 | 49 | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|----|------|-------|---------------|--------|-------|
| JUL | | eL | N | 51 | | | | | |
| | Origin: | | 18 | 36 | 19.6 | 22.9S | 175.6W | 33km | USCGS |
| 4 | KP | eP | Z | 11 | 01 | 08 | | | 4.6 |
| | | e | Z | | | 16 | | | |
| | | e(pP) | Z | | | 42 | | | |
| | CT | eP | Z | 11 | 01 | 19 | | | |
| | | eS | Z | | | 03 | | | |
| | WN | eP | Z | 11 | 01 | 44 | 5 | 50 | |
| | | e | ZE | | | 50 | | | |
| | | e | ZNE | 02 | | 56 | 9 | 8 | 11 |
| | | eS | ZNE | 04 | | 31 | | | 6 |
| | | eLq | NE | 05 | | 3 | | | |
| | | eLr | Z | 06 | | 0 | | | |
| | | M | NE | 06 | | | | | |
| | | M | Z | 07 | | | 50 | 48 | 56 |
| | | eScP | Z | 09 | | 55 | | | 80 |
| | | eScS | ZNE | 13 | | 33 | | | |
| | RX | eP | ZN | 11 | 02 | 57 | | | |
| | | e(pP) | ZNE | 03 | | 29 | | | |
| | | e | Z | 04 | | 12 | | | |
| | | e | NE | 05 | | 00 | 8 | 14 | 5 |
| | | eS | Z | 06 | | 37 | | | |
| | | eSS | ZNE | 07 | | 36 | 8 | 14 | 20 |
| | | eLq | NE | 09 | | | 20 | 26 | 105 |
| | | M | NE | 10 | | | 25 | 20 | 69 |
| | | eScP | Z | 10 | | 09 | | | 21 |
| | Origin: | | 10 | 58 | 13.2 | 26.3S | 177.7W | 158km | USCGS |
| | | | | | | Felt: | Raoul Is. MM4 | | 6.5 |
| 4 | KP | eP? | Z | 14 | 20 | 46 | | | |
| | WN | eLr | Z | 14 | 26 | | | | |
| | | M | Z | | | 30 | 3 | 21 | |
| | RX | eL | NE | 14 | 30 | | 22.9S | 175.6W | 33km |
| | Origin: | | 14 | 16 | 51.1 | | | | USCGS |
| 5 | WN | eL | Z | 06 | 32 | | 3 | 26 | |
| | Origin: | | 05 | 48 | 13.4 | 11.6S | 77.5W | 55km | USCGS |
| 6 | KP | eP | Z | 05 | 23 | 17 | | | |
| | CT | eP | Z | 05 | 23 | 37 | | | |
| | | e | Z | | | 24 | | | |
| | | eS | Z | | | 16 | | | |
| | WN | e | ZE | 05 | 24 | 28 | | | |
| | | eS | ZNE | | | 57 | | | |
| | | eL | Z | | | 28 | | | |
| | Origin: | | 05 | 21 | 14 | 31.8S | 179.0W | 33km | USCGS |
| 6 | KP | eP? | Z | 09 | 58 | 52 | | | |
| | | e? | Z | 10 | 00 | 16 | | | |
| 6 | WN | eL | Z | 18 | 19 | | 11.6N | 142.7E | 26km |
| | Origin: | | 17 | 49 | 54.5 | | | | USCGS |
| 7 | RX | e | Z | 00 | 11 | 10 | | | |
| | CT | eP | Z | 00 | 11 | 57 | | | |
| | | e? | Z | | | 12 | | | |
| | WN | eL | ZNE | 00 | 32 | | 42.2S | 84.4E | 33km |
| | Origin: | | 00 | 01 | 13.3 | | | | USCGS |
| 7 | MN | eP | Z | 10 | 49 | 55 | | | |
| | | eS | Z | | | 27 | | | |
| 7 | WN | eL | ZN | 18 | 45 | | 1 | 20 | |
| | RX | eL | NE | 18 | 44 | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|----|------|-------|--------|--------|-------|
| JUL | 8 | WN | eP | Z | 05 | 38 | 27 | | |
| | | eS | Z | | | 39 | 54 | | |
| 8 | KP | iP | Z | 11 | 43 | 54.0 | | | |
| | WN | eP? | Z | 11 | 44 | 21 | 19.9S | 178.7W | 582km |
| | Origin: | | 11 | 40 | 17.1 | | | | USCGS |
| 8 | KP | eP? | Z | 22 | 06 | 11 | 17.0S | 174.7W | 95km |
| | Origin: | | 22 | 04 | 21.0 | | | | USCGS |
| 9 | WN | eSS | ZNE | 09 | 57 | 5 | 1 | 28 | 2 |
| | | eLr | ZE | 10 | 13 | | | | |
| | | M | ZE | 15 | | | 5 | 22 | 4 |
| | | M | ZE | 10 | 15 | | | | |
| | RX | eLr | ZE | 18 | | | 6 | 17 | 5 |
| | | M | ZE | 22 | | | 8.5N | 83.0W | 31km |
| | Origin: | | 09 | 24 | 33.3 | | | | USCGS |
| 9 | KP | e | Z | 04 | 54 | 14 | | | |
| | CT | e | Z | 04 | 54 | 39 | | | |
| | WN | e | ZNE | 04 | 56 | 10 | | | |
| 10 | WN | eLr | Z | 03 | 56 | | 1 | 26 | |
| | | M | Z | | 58 | | | | |
| | Origin: | | 03 | 14 | 41.8 | 46.3N | 153.4E | 33km | USCGS |
| 10 | KP | eP | Z | 04 | 31 | 51 | | | |
| | | e | Z | | 32 | 11 | | | |
| | | e | Z | | 33 | 05 | | | |
| | | e | Z | | 32 | 05 | | | |
| | CT | e | Z | 04 | 34 | 05 | | | |
| | | e | Z | | 34 | 05 | | | |
| | WN | eS | ZNE | 04 | 34 | 39 | | | |
| | | eLr | ZE | | 36 | | | | |
| | | M | Z | | 38 | | | | |
| | RX | eLr | E | 04 | 39 | | | | |
| | Origin: | | 04 | 29 | 25.1 | 29.7S | 177.2W | 33km | USCGS |
| 10 | KP | eP | Z | 05 | 35 | 40 | | | |
| | WN | eP | Z | 05 | 35 | 55 | | | |
| | | ePP | Z | | 39 | 48 | 1 | 24 | |
| | | eSKS | ZE | | 46 | 20 | 2 | 20 | |
| | | eSP | Z | | 47 | 46 | 3 | 16 | |
| | | eSS | Z | | 52 | 6 | 3 | 24 | |
| | | eLq | E | 06 | 00 | | | | 6 |
| | | eLr | NE | 04 | | | | | |
| | | M | ZNE | 06 | | | 11 | 26 | 6 |
| | | M | NE | 05 | 46 | 40 | | | 6 |
| | RX | eSKS | NE | 05 | 46 | 40 | | | 3 |
| | | e(S) | NE | | 47 | 20 | | | 3 |
| | | eSS | NE | | 53 | 3 | | | 5 |
| | | eLq | NE | 06 | 00 | | | | 6 |
| | | eLr | N | 07 | | | | | |
| | | eLr | Z | 11 | | | | | |
| | | M | NE | 12 | | | | | |
| | Origin: | | 05 | 22 | 57.1 | 46.3N | 152.9E | 33km | USCGS |
| 10 | WN | eP? | ZNE | 09 | 16 | 16 | | | |
| 10 | KP | eP | Z | 16 | 51 | 00 | | | |
| | CT | e(P) | Z | 16 | 51 | 24 | | | |
| | | e | Z | | 53 | 12 | | | |
| | RX | eP | Z | 16 | 52 | 56 | | | |
| | WN | eS | ZNE | 16 | 53 | 47 | | | |
| | | eL | Z | | 55 | | | | |
| | Origin: | | 16 | 48 | 42.2 | 30.2S | 177.8W | 25km | USCGS |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | |
|--------|---------|-------|------------|---------------------|--------------|-------|-------|-----|
| JUL 10 | KP | eP | Z | 20 02 33 | | | | |
| | | e(pP) | Z | 20 03 10 | | | | |
| | CT | eP | Z | 20 02 40 | | | | |
| | WN | eP? | Z | 20 02 51 | | | | |
| | Origin: | | 19 52 19.4 | 19.2N 145.2E | 171km | USCGS | 5.4 | |
| 12 | WN | eP? | Z | 07 59 35 | | | | |
| | RX | eP | Z | 08 00 21 | | | | |
| | Origin: | | 07 55 02.3 | 17.9S 178.5W | 550km | USCGS | 4.6 | |
| 12 | WN | eLr | Z | 16 10 | | | | |
| | | eLr | NE | 16 | | | | |
| | | M | Z | 16 | | | | |
| | RX | eL | NE | 16 14 | | | | |
| | Origin: | | 15 28 08.5 | 46.8N 153.6E | 33km | USCGS | 4.8 | |
| 12 | WN | eL | Z | 24 10 | | | | |
| | RX | eL | E | 24 14 | | | | |
| | | eL | N | 16 | | | | |
| | Origin: | | 23 51 16.0 | 5.5S 153.3E | 56km | USCGS | 5.0 | |
| 14 | KP | eP | Z | 00 04 39 | | | | |
| | | e | Z | 05 21 | | | | |
| | WN | eP | Z | 00 05 34 | | | | |
| | | eS | ZNE | 07 31 | | | | |
| | | eLr | ZNE | 08.3 | | | | |
| | | M | ZNE | 11 | | | | |
| | RX | eP | Z | 00 06 31 | 40 18 | 26 14 | 26 19 | |
| | | eL | NE | 10 | | | | |
| | | eL | Z | 13 | | | | |
| | | M | ZNE | 14 | | | | |
| | Origin: | | 00 02 22.8 | 18 16 18 16 17 16 | 30.5S 177.2W | 33km | USCGS | 5.3 |
| | | | | Felt: Raoul Is. MM3 | | | | |
| 14 | KP | eP | Z | 04 01 33 | | | | |
| | RX | eP | Z | 04 03 21 | | | | |
| | | e(Lr) | NE | 08 | | | | |
| | | M | E | 09 | | | | |
| | | M | N | 11 | | | | |
| | | M | Z | 21 | | 5 17 | 6 22 | |
| | WN | eLr | Z | 04 04 16 | | | | |
| | | eS | ZNE | 04 04 16 | | | | |
| | | e(Lr) | NE | 05.3 | | | | |
| | | eLr | Z | 06.0 | | | | |
| | M | ZNE | 08 | | | | | |
| | Origin: | | 03 59 12.4 | 11 18 6 18 7 20 | 30.5S 177.3W | 50km | USCGS | 4.7 |
| | | | | Felt: Raoul Is. MM3 | | | | |
| 14 | WN | eLr | Z | 06 36 | | | | |
| | | eLr | NE | 45 | | | | |
| | | M | Z | 46 | | | | |
| | RX | eLr | E | 06 40 | | | | |
| | | eLr | N | 42 | | | | |
| | | eLr | Z | 46 | | | | |
| | Origin: | | 05 41 43.0 | 10.4N 62.6W | 24km | USCGS | 5.3 | |
| 14 | KP | eP | Z | 14 30 36 | | | | |
| | WN | eP? | ZNE | 14 31 32 | | | | |
| | | eS | ZNE | 33 26 | | | | |
| | | eLr | ZNE | 34.3 | | | | |
| | | M | ZNE | 37 | | | | |
| | RX | eP | Z | 14 32 36 | 16 18 | 14 20 | 14 20 | |
| | | eLr | NE | 37 | | | | |
| | | M | E | 38 | | | | |
| | | | | | | | 9 22 | |
| | | | | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | |
|--------|---------|-------|------------|---------------------|--------------|-------|----------------|-----|
| JUL 10 | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | Origin: | | 14 28 22.1 | 30.2S 177.4W | 42km | USCGS | 5.1 | |
| | | | | Felt: Raoul Is. MM3 | | | | |
| 14 | KP | 1P | Z | 19 23 34.0 u | | | | |
| | WN | eP | ZNE | 19 24 00 | | | | |
| | RX | e | Z | 19 24 31 | | | | |
| | Origin: | | | 19 18 43.0 | 15.8S 168.0E | 186km | USCGS | 4.8 |
| 15 | KP | eP | Z | 00 40(54) | | | | |
| | Origin: | | | 00 41 07.7 | 20.2S 178.3W | 510km | USCGS | 3.9 |
| 15 | KP | e(P) | Z | 04 26 06 | | | | |
| | | | | | | | | |
| 16 | KP | eP | Z | 08 05 09 | | | | |
| | | | | | | | | |
| 16 | RX | ePKP | Z | 18 46 46 | | | | |
| | KP | ePKP | Z | 18 46 52 | | | | |
| | WN | ePKP | Z | 18 46 53 | | | | |
| | | e | Z | 18 47 10 | | | | |
| | | e | E | 18 27 18.4 | 43.1N 41.5E | 33km | USCGS | 5.8 |
| | Origin: | | | | | | | |
| 16 | KP | eP | Z | 19 10 47 | | | | |
| | | e | Z | 11 03 | | | | |
| | | e | Z | 19 12 38 | | | | |
| | RX | eP | Z | 17 | | | | |
| | | eL | NE | 18 | | | 11 21 | |
| | | M | E | 18 | | | | |
| | | eL | Z | 20 | | | | |
| | | M | ZNE | 20 | | | 9 16 9 16 7 16 | |
| | WN | eS | ZNE | 19 13 35 | | | | |
| | | eL | ZNE | 14 | | | | |
| | M | ZNE | 17 | | | | | |
| | Origin: | | 19 08 29.2 | 30.6S 177.2W | 41km | USCGS | 5.0 | |
| | | | | Felt: Raoul Is. MM1 | | | | |
| 17 | WN | eLr | Z | 04 06 | | | | |
| | Origin: | | | 03 24 37.4 | 46.9S 33.3E | 33km | USCGS | |
| 17 | RX | ePKP | Z | 12 16 34 | | | | |
| | KP | ePKP | Z | 12 16 40 | | | | |
| | Origin: | | | 11 57 06.7 | 43.1N 41.5E | 33km | USCGS | 5.3 |
| 18 | WN | eP | Z | 05 09 00 | | | | |
| | | eS | E | 19 50 | | | | |
| | | eSS | Z | 25.1 | | | | |
| | | eLq | E | 30.5 | | | | |
| | | eLr | ZN | 40 | | | | |
| | | M | Z | 42 | | | | |
| | | eLr | E | 48 | | | | |
| | KP | eP | Z | 05 10 17 | | | | |
| | RX | eS | NE | 05 19.1 | | | | |
| | | eSS | NE | 24.0 | | | | |
| | eLq | E | 28.5 | | | | | |
| | eLr | N | 37.5 | | | | | |
| | eLr | ZE | 40 | | | | | |
| | Origin: | | | 04 58 09.2 | 61.0S 22.3W | 33km | USCGS | 6.0 |
| 18 | WN | eS | NE | 07 53 39 | | | | |
| | | | | | | | | |
| 18 | KP | eP | Z | 12 37 16 | | | | |
| | WN | eP | Z | 12 39 12 | | | | |
| | WN | eS | NE | 12 39 28 | | | | |
| 19 | WN | ePKP | Z | 06 06 10 | | | | |
| | | | | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|---------|-----|---------------------|------|--------|------|-------|--------|-------|-----------|
| JUL | | ePKP ₂ Z | 07 | 28 | | | | | |
| | | e(PcPKP)Z | 14 | 40 | | | | | |
| | | e Z | 27 | 16 | | | | | |
| | | e(SS) E | 34 | 56 | | | | | |
| | | e Z | 37 | 05 | 1 20 | | | | |
| | | e(SSS) Z | 38.6 | | 1 48 | | | | |
| | | e Z | 42.7 | | 2 40 | | | | |
| | | eLr ZE | 07 | 03 | | | | | |
| | | M Z | 23 | | 2 22 | | | | |
| RX | | ePKP ₂ Z | 06 | 07 | 10 | | | | |
| | | e E | 24 | 54 | | | | | |
| | | eLr E | 07 | 15 | | | | | |
| | | eLr N | 18 | | | | | | |
| KP | | ePKP ₂ Z | 06 | 07 | 22 | | | | |
| Origin: | | | 05 | 46 | 05.2 | 43.3N | 8.1E | 33km | USCGS 5.6 |
| 19 KP | | e(P) Z | 09 | 13 | 06 | | | | |
| WN | | eLr Z | 09 | 40 | | | | | |
| Origin: | | | 09 | 00 | 44.8 | 36.3N | 141.0E | 70km | USCGS 4.6 |
| 19 MN | | e(P) Z | 12 | 19 | 23 | | | | |
| 19 KP | | eP Z | 18 | 58 | 53 | | | | |
| WN | | eP ZNE | 18 | 59 | 11 | | | | |
| MN | | eP Z | 18 | 59 | 19 | | | | |
| Origin: | | | 18 | 48 | 35.7 | 18.8N | 147.5E | 102km | USCGS 4.8 |
| 20 WN | | eL Z | 02 | 31.7 | | | | | |
| Origin: | | | 01 | 45 | 06.4 | 31.1N | 116.5W | 14km | USCGS 4.3 |
| 20 RX | | e E | 05 | 22 | | | | | |
| | | e N | 23 | | | | | | |
| WN | | eL Z | 05 | 25.6 | | | 17 20 | | |
| | | eL ZNE | 28 | | | 3 18 | | | |
| 20 RX | | P ZNE | 06 | 40 | 17 | 16 8 | 13 11 | 1 10 | 6.6 |
| | | e N | 41 | 41 | | | | | |
| | | eS ZNE | 43 | 31 | | | 32 30 | 77 36 | 6.3 |
| | | eL ZNE | 44 | | | | | | |
| | | M ZNE | 45 | | | 80 18 | 85 22 | 38 18 | 6.3 |
| WN | | P ZNE | 06 | 41 | 20 | | | | |
| | | e ZNE | 42 | 20 | | 9 24 | 7 28 | 5 24 | 6.4 |
| | | eS ZNE | 45 | 40 | | 24 22 | 54 52 | | 6.4 |
| | | eL ZNE | 47 | | | | | | |
| | | M ZNE | 49 | | | 94 20 | 85 20 | 78 18 | 6.4 |
| CT | | eP Z | 06 | 43(43) | | | | | |
| Origin: | | | 06 | 36 | 10.8 | 57.6S | 148.5E | 33km | USCGS 5.4 |
| 20 KP | | eP Z | 07 | 50 | 51 | | | | |
| Origin: | | | 07 | 38 | 50.9 | 32.4N | 140.5E | 124km | USCGS 4.4 |
| 20 WN | | eL Z | 19 | 13 | | | | | |
| 21 KP | | eP Z | 11 | 15 | 46 | | | | |
| Origin: | | | 11 | 03 | 20 | 56.1S | 27.4W | 80km | USCGS 5.3 |
| 21 KP | | eP Z | 14 | 56 | 11 | | | | |
| WN | | eLr Z | 15 | 19 | | | | | |
| | | M Z | 23 | | | 8 26 | | | |
| Origin: | | | 14 | 45 | 07.1 | 9.7N | 122.3E | 54km | USCGS |
| 21 KP | | eP Z | 18 | 55 | 53 | | | | |
| CT | | eP Z | 18 | 56 | 05 | | | | |
| | | eS Z | 57 | 34 | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|---------|------|------|------|-------|--------|----------|---|
| JUL | TA | eP Z | 18 | 56 | 12 | | | | |
| | WN | eP NE | 18 | 56 | 28 | | | | 5.5 |
| | | eS NE | 58 | 12 | | | | | |
| | GP | eP N | 18 | 57 | 04 | | | | 5.5 |
| | | eS N | 59 | 16 | | | | | |
| | TU | eS Z | 18 | 57 | 10 | | | | |
| | MN | eP Z | 18 | 57 | 50 | | | | |
| | Origin: | | 18 | 54 | 14 | 33S | 179W | N? NZ(D) | 5.5 |
| 22 KP | | eP Z | 00 | 36 | 44 | | | | |
| | | ePcP Z | 38 | 50 | | | | | |
| | CT | P Z | 00 | 36 | 53 | | | 1 20 | |
| | WN | P Z | 00 | 37 | 02 | | | 1 18 | 5.5 |
| | | e(P) Z | 38 | 32 | | | | | 5.4 |
| | | e(S) Z | 42 | 52 | | | | | |
| | | eSS ZE | 46 | 40 | | | | 3 28 | |
| | | eLr Z | 49.3 | | | | | 6 28 | |
| | | M E | 50 | | | | | | 10 40 |
| | | eL N | 55 | | | | | | 5 24 |
| | | eP Z | 00 | 37 | 12 | | | | 5.8 |
| EX | | eS NE | 43.5 | | | | | | |
| | | eS NE | 47 | | | | | 1 18 | 2 18 |
| | | eLr Z | 50 | | | | | | 5.6 |
| | | M NE | 50 | | | | | | |
| Origin: | | | 00 | 29 | 14.9 | 6.1S | 148.9E | 59km | USCGS 5.1 |
| 22 WN | | eL Z | 16 | 01 | | | | | |
| | | eL Z | 15 | 47 | 55 | | | 20.9S | 174.1W |
| | | eL Z | 04 | 15 | | | | 33km | USCGS 4.1 |
| 23 WN | | eL Z | 06 | 59 | | | | | |
| Origin: | | | 06 | 17 | 51.5 | 41.5N | 141.9E | 91km | USCGS 4.4 |
| 23 EX | | eP Z | 17 | 20 | 15 | | | | |
| WN | | eL Z | 17 | 31 | | | | | |
| Origin: | | | 17 | 13 | 45 | 12.4S | 165.3E | 33km | USCGS 5.6 |
| 24 KP | | eP Z | 05 | 26 | 33 | | | | |
| CT | | eP Z | 05 | 26 | 42 | | | | |
| Origin: | | | 05 | 22 | 54.3 | 20.6S | 178.7W | 531km | USCGS 4.2 |
| 24 KP | | eP Z | 06 | 46 | 06 | | | | |
| CT | | eP Z | 06 | 46 | 15 | | | | |
| | | eS? Z | 47 | 44 | | | | | |
| TA | | eP Z | 06 | (48) | | | | | |
| WN | | eS NE | 06 | 48 | 27 | | | | 5.4 |
| GP | | eS N | 06 | 49 | 35 | | | | 5.3 |
| Origin: | | | 06 | 44 | 20 | 32.8S | 179W | N NZ(D) | 5.3 |
| | | | | | | | | | Additional readings from Charters Towers used to determine epicentre. |
| 24 KP | | e(P) Z | 09 | 32 | 34 | | | | |
| CT | | e(P) Z | 09 | 32 | 42 | | | | |
| WN | | eS ZN | 09 | 34 | 43 | | | | |
| Origin: | | | 09 | 26 | 46.5 | 27.2S | 177.2W | 33km | USCGS 4.4 |
| 24 KP | | eP Z | 11 | 44 | 29 | | | | |
| CT | | eP Z | 11 | 44 | 31 | | | | |
| EX | | eP Z | 11 | 44 | 41 | | | | |
| WN | | e(SP) Z | 11 | 55.9 | | | | 1 40 | |
| | | eLr Z | 12 | 07 | | | | | |
| | | M Z | 11 | | | | | | |
| Origin: | | | 15 | | | | | 2 28 | |
| | | | 11 | 32 | 17.7 | 24.6N | 122.0E | 33km | USCGS 5.3 |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|--------|-----|------|------|-------|--------|-------|------|
| JUL 24 | WN | eL | Z | 17 | 08 | | | | | |
| | Origin: | | | 16 | 46 | 38.4 | 6.4S | 147.8E | 55km | 4.5 |
| | 24 | KP | eP | Z | 19 | 11 | | | | |
| | | CT | eP | Z | 19 | 11 | | | | |
| | | WN | eL | Z | 19 | 21 | | | | |
| | | M | Z | | 26 | | | | | |
| | Origin: | | | 19 | 04 | 32.5 | 9.0S | 158.2E | 33km | 5.8 |
| | 24 | KP | eP | Z | 23 | 39 | | | | |
| | | CT | e(P) | Z | 23 | 39 | | | | |
| | | WN | eL | Z | 23 | 40.5 | | | | |
| | 24 | KP | eP | Z | 21 | 54 | | | | |
| | | WN | eL | Z | 22 | 05 | | | | |
| | | | eL | E | 07 | | | | | |
| | | | M | ZE | 07 | | | | | |
| | | RX | eL | NE | 22 | 06 | | 5 22 | | 4 20 |
| | | M | NE | | 09 | | | | | |
| | Origin: | | | 21 | 47 | 54.1 | 9.7S | 154.4E | 16km | 4 18 |
| | 25 | KP | e(P) | Z | 00 | 29 | | | | |
| | 26 | WN | e(SSS) | Z | 05 | 10 | | | | |
| | | | eLr | Z | | 33 | | | | |
| | Origin: | | | 04 | 17 | 16.7 | 42.1N | 21.5E | 5km | 5.3 |
| | 26 | KP | iP | Z | 05 | 31 | | | | |
| | | CT | eP | Z | 05 | 32 | | | | |
| | | RX | eP | Z | 05 | 32 | | | | |
| | | WN | eL | Z | 05 | 38 | | | | |
| | | | eL | E | 42 | | | | | |
| | | | M | Z | 44 | | | | | |
| | Origin: | | | 05 | 26 | 45.1 | 15.0S | 167.3E | 124km | 4.6 |
| | 26 | WN | eLr | Z | 24 | 32.8 | | | | |
| | Origin: | | | 23 | 48 | 26.5 | 9.7S | 78.5W | 62km | 4.9 |
| | 27 | KP | eP? | Z | 16 | 57 | | | | |
| | | WN | eLr | Z | 17 | 15.8 | | | | |
| | Origin: | | | 16 | 47 | 03.7 | 35.9S | 102.7W | 33km | 4.6 |
| | 27 | KP | eP | Z | 21 | 38 | | | | |
| | Origin: | | | 21 | 26 | 44.8 | 31.0N | 140.3E | 100km | 4.2 |
| | 27 | KP | eP | Z | 22 | 24 | | | | |
| | Origin: | | | 22 | 21 | 16 | 23.7S | 179.6W | 33km | 4.5 |
| | 28 | KP | eP | Z | 07 | 14 | | | | |
| | | CT | e | Z | 07 | 14 | | | | |
| | | | e | Z | 16 | 49 | | | | |
| | | WN | eP? | Z | 07 | 15 | | | | |
| | | | eS | ZNE | 17 | 33 | | | | |
| | | | eL | ZNE | 18 | | | | | |
| | | | M | ZNE | 21 | | | | | |
| | | RX | eP | Z | 07 | 16 | | 17 18 | 5 16 | 7 20 |
| | | | eL | E | 21 | | | | | |
| | | | eL | N | 22 | | | | | |
| | | | M | NE | 22 | | | | 3 20 | 4 21 |
| | | | eL | Z | 24 | | | | | |
| | Origin: | | | 07 | 12 | 17.1 | 29.8S | 177.6W | 33km | 5.1 |
| | 28 | RX | eP | Z | 08 | 05 | | | | |
| | | | eL | N | 24.8 | | | | | |
| | | | eL | E | 27.8 | | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|----|----|-------|-------|--------|--------|---------------------|
| | | | Z | | | 31 | | | | |
| | | eL | NE | | | 31 | | | 3 15 | 4 18 |
| | | M | Z | | | 08 05 | | | | 5.9 |
| | | eP | Z | | | 08 05 | | | | |
| | | eP | Z | | | 08 05 | | | | |
| | | eL | ZNE | | | 08 27 | | | 2 16 | |
| | | M | N | | | 28 | | | | |
| | | M | ZE | | | 29 | | | | |
| | Origin: | | | 07 | 55 | 21.9 | 11.3S | 112.1E | 21km | 3 22 |
| | | | | | | | | | | 5.1 |
| | | eP | Z | | | 10 15 | | | | |
| | | eP | Z | | | 10 05 | | | 1.5N | 127.1E |
| | Origin: | | | | | | | | | 33km |
| | | | | | | | | | | USCGS |
| | | ePKP | Z | | | 13 44 | | | | |
| | Origin: | | | | | 13 25 | | | 72.0N | 0.0 |
| | | | | | | | | | | 33km |
| | | | | | | | | | | USCGS |
| | | | | | | | | | | 4.5 |
| | | eP | Z | | | 14 34 | | | | |
| | | eP | Z | | | 14 34 | | | | |
| | | e(SS) | Z | | | 16 49 | | | 1 22 | |
| | | eLr | Z | | | 52 | | | | |
| | | e(Lr) | NE | | | 53 | | | 2 25 | |
| | | M | Z | | | 53 | | | | |
| | | eL | NE | | | 16 53 | | | | |
| | Origin: | | | | | 16 32 | | | 4.9S | 152.7E |
| | | | | | | | | | | 69km |
| | | | | | | | | | | USCGS |
| | | | | | | | | | | 4.9 |
| | | eLr | Z | | | 19 33 | | | | |
| | | M | Z | | | 35 | | | 1 24 | |
| | Origin: | | | | | 18 51 | | | 46.6N | 153.1E |
| | | | | | | | | | | 33km |
| | | | | | | | | | | USCGS |
| | | | | | | | | | | 5.0 |
| | | eP | Z | | | 04 51 | | | | |
| | | e | Z | | | 36 | | | | |
| | | e(P) | Z | | | 04 51 | | | | |
| | | eS | Z | | | 53 15 | | | | |
| | | eS | ZNE | | | 04 53 | | | | |
| | | eL | Z | | | 55 | | | | |
| | Origin: | | | | | 04 48 | | | 30.4S | 177.7W |
| | | | | | | | | | | 33km |
| | | | | | | | | | | USCGS |
| | | | | | | | | | | 4.5 |
| | | eP | Z | | | 05 42 | | | | |
| | | eP | Z | | | 05 42 | | | | |
| | Origin: | | | | | 05 31 | | | 6.7S | 107.1E |
| | | | | | | | | | | 85km |
| | | | | | | | | | | USCGS |
| | | | | | | | | | | 4.6 |
| | | eP | Z | | | 20 16 | | | | |
| | | e | Z | | | 40 | | | | |
| | | eP | Z | | | 20 36 | | | | |
| | | eL | Z | | | 21.4 | | | | |
| | | eP | Z | | | 20 16 | | | | |
| | | e | Z | | | 51 | | | | |
| | | eS | Z | | | 18 45 | | | | |
| | | eP | Z | | | 20 17 | | | 2 32 | |
| | | e | ZNE | | | 19 23 | | | 11 36 | |
| | | eLq | NE | | | 20.3 | | | | |
| | | eLr | Z | | | 21 | | | | |
| | | M | Z | | | 21 | | | 58 20 | |
| | | M | NE | | | 23 | | | | |
| | | eP | ZNE | | | 20 18 | | | | |
| | | eS | ZNE | | | 20 51 | | | 4 11 | 3 10 |
| | | eLq | NE | | | 22.3 | | | 5 14 | 3 15 |
| | | eLr | NE | | | 23 | | | | |
| | | eLr | Z | | | 24.9 | | | | |
| | | M | NE | | | 26 | | | | |
| | | M | Z | | | 27 | | | 83 16 | 110 20 |
| | Origin: | | | | | 20 14 | | | 59 15 | 30.2S |
| | | | | | | | | | 177.3W | 39km |
| | | | | | | | | | | USCGS |
| | | | | | | | | | | 5.7 |
| | | | | | | | | | | Felt: Raoul Is. MM3 |
| | | eP | Z | | | 20 19 | | | | |
| | | | | | | | | | | |

NEW ZEALAND SEISMOLOGICAL REPORT 1963

| Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|-------|--------------|---------------|----------------|--------------|--------------|
| 1P | eP | Z 12 46 21 | | | | |
| | e | Z 24.8 | | | | |
| 2S | eP | Z 12 46 21 | | | | |
| 3W | eP? | N 12 46 48 | | | | |
| | e | N 54 | | | | |
| 4P | eP | Z 15 23 19 | | | | |
| | e? | Z 44 | | | | |
| 5K | eP | Z 15 25 12 | | | | |
| | eL | NE 30.5 | | | | |
| | M | E 31 | | | 4 21 | |
| 6W | eS | ZNE 15 26 12 | | | | |
| | eL | ZNE 27.5 | | | | |
| | M | ZNE 30 | | | | |
| Origin: | | 15 20 55.9 | 6 18 29.8S | 4 15 177.2W | 4 20 59km | 4.8 USCGS |
| 7P | eP | Z 10 31 49 | | | | |
| | e(pp) | Z 32 04 | | | | |
| | e | Z 10 31 54 | | | | |
| Origin: | | 10 20 39.7 | 26.8N | 141.3E | 109km | 4.3 USCGS |
| 8N | eP | Z 19 37 01 | | | | |
| Origin: | | 19 26 26.0 | 6.0N | 125.1E | 118km | 5.0 USCGS |
| 9S | eP | Z 21 49 28.1 | | | | |
| | e | Z 32 | | | | 4.7 |
| | e | Z 36 | | | | |
| | e | Z 50 42 | | | | |
| | e | Z 21 49 37 | | | | |
| | e | Z 21 49 39 | | | | |
| | e | Z 50 50 | | | | |
| | e | Y 21 49 48 | | | | 4.9 |
| | e | Y 51 10 | | | | |
| | e | Z 21 49 49 | | | | |
| | e | Z 51 13 | | | | |
| | e | Z 21 49 58 | | | | |
| | e | NE 21 50 13 | | | | 5.6 |
| | e | NE 51 52 | | | | |
| | e | X 21 50 46 | | | | 5.3 |
| | e | X 52 45 | | | | |
| | e | N 21 50 47 | | | | 5.6 |
| | e | N 52 55 | | | | |
| | e | Z 21 51 21 | | | | |
| | e | Z 21 51 32 | | | | |
| | e | E 21 52 09 | | | | 5.3 |
| Origin: | | 21 48 02 | 33.0S | 179.5W | N NZ(D) | 5.2 |
| 10P | eP | Z 03 54 21 | | | | |
| | eP | Z 03 54 31 | | | | |
| | eP | Z 03 55 22 | | | | |
| Origin: | | 03 48 06.4 | 7.6S | 156.8E | 402km | 5.1 USCGS |
| 11P | ePKP | Z 10 40 52 | | | | |
| | e | Z 41 56 | | | | |
| | ePP | ZNE 43 36 | | | | 6.3 |
| | eSKP | ZNE 44 32 | | | | |
| | eSKKS | NE 50 28 | 5 22 | 2 20 | 2 20 | |
| | eSPP | Z 55 52 | | | | |
| | eSS? | N 11 01 36 | | | | |
| | e(SS) | NE 02.3 | | | 31 42 | 38 43 |
| | e | Z 03 52 | | | | |
| | e | ZN 06.2 | | | | |
| | eSSS | NE 07.0 | | | | |
| | eLq | ZNE 17 | | | 23 72 | 34 72 |
| | eLr | ZNE 26 | | | | |

NEW ZEALAND STATIONS 1963

115

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. | |
|---------|-------|----------------|-------------|------------|--------|-------|--------------|------------------|
| AUG | | M | ZNE 31 | 5 26 | 25 25 | 33 26 | | |
| | CT | ePKP | Z 10 40 58 | | | | | |
| | KP | ePKP | Z 10 41 00 | | | | | |
| | RX | e | NE 10 53 46 | | | | | |
| | | e | NE 57.0 | | | | | |
| | | e(SS) | NE 11 02.1 | | | 10 20 | 11 20 | |
| | | e | N 05 00 | | | | | |
| | | e(SSS) | E 06 40 | | | | | |
| | | eLq | NE 18 | | | 7 32 | 14 44 | |
| | | eLr | NE 25 | | | | 10 20 | |
| | | M | NE 35 | | | 11 19 | 30 20 | |
| | | Origin: | | 10 21 36.6 | 7.7N | 35.8W | 33km | 6.9 USCGS 6.1 |
| | 3 | KP | eP | Z 20 28 14 | | | | |
| | | CT | eP | Z 20 28 35 | | | | |
| | | eS | Z 30 17 | | | | | |
| WN | e | Z 20 29 50 | | | | | | |
| | eS | ZNE 30 56 | | | | | | |
| | eL | ZNE 31.8 | | | | | | |
| | M | Z 33 | | | 6 22 | | | |
| RX | eP | Z 20 30 06 | | | | | | |
| | eL | NE 35 | | | | | | |
| Origin: | | | 20 26 04.1 | 30.7S | 178.3W | 37km | 5.2 USCGS | |
| 4 | KP | eP | Z 07 18 58 | | | | | |
| | epP | Z 19 20 | | | | | | |
| CT | eP? | Z 07 19 13 | | | | | | |
| | e | Z 59 | | | | | | |
| WN | eLr | Z 07 39.5 | | | | | | |
| | M | Z 42 | | | 2 26 | | | |
| Origin: | | | 07 08 47.1 | 9.4S | 114.2E | 117km | 5.5 USCGS | |
| 4 | KP | eP | Z 09 17 51 | | | | | |
| CT | eP | Z 09 17 08 | | | | | | |
| | e? | Z 27 | | | | | | |
| WN | eP | Z 09 17 31 | | | | | | |
| | eS | NE 21 12 | | | | | | |
| | e(Lr) | Z 22 | | | 3 32 | | | |
| | M | Z 24 | | | 2 16 | | | |
| RX | eP | Z 09 18 23 | | | | | | |
| | eL | E 26 | | | | | | |
| Origin: | | | 09 13 17.8 | 22.6S | 173.4E | 72km | 4.9 USCGS | |
| 4 | KP | eP | Z 11 55 22 | | | | | |
| Origin: | | | 11 43 20.3 | 35.7N | 140.1E | 68km | 4.7 USCGS | |
| 4 | WN | eLr | Z 12 53 | | | | | |
| Origin: | | | 12 07 24.4 | 4.1S | 80.9W | 34km | 4.7 USCGS | |
| 4 | KP | eP | Z 21 48 44 | | | | | |
| CT | eP | Z 21 48 52 | | | | | | |
| | epP | Z 49 10 | | | | | | |
| Origin: | | | 21 40 52.4 | 5.2S | 145.9E | 59km | 4.9 USCGS | |
| 4 | KP | eiP | Z 23 58 21 | | | | | |
| CT | e | Z 23 58 30 | | | | | | |
| WN | iP | ZNE 23 58 50.0 | | | | | | |
| | e | Z 24 01.0 | | | 1 20 | | | |
| | eS | ZNE 02 28 | | | | | | |
| RX | eP | Z 23 59 36 | | | | | | |
| Origin: | | | 23 54 14.0 | 17.5S | 179.1W | 515km | 5.2 USCGS | |
| 5 | KP | eP | Z 00 39 58 | | | | | |
| TU | iP | Z 00 40 00.1 u | | | | | | |
| | i | Z 04.2 d | | | | | | |

NEW ZEALAND SEISMOLOGICAL REPORT

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|------|---------|-------|-----|----|------|-------|---------------------|-------|-------|-----|
| AUG | ON | eS | Z | | 34 | | | | | |
| | | eP | Z | 00 | 40 | 03 | | | | |
| | | eS | Z | | 41 | | | | | |
| | CT | eP | Z | 00 | 40 | 07.4 | | | | |
| | | e | Z | | 46 | | | | | |
| | | eS | Z | | 51 | | | | | |
| | TA | eP | Z | 00 | 40 | 14 | | | | |
| | | e | Z | | 41 | 06 | | | | |
| | WN | eP | NE | 00 | 40 | 29 | | | 5.6 | |
| | | eS | NE | | 41 | 27 | | | | |
| | CB | e | E | 00 | 40 | 55 | | | 5.4 | |
| | | eS | E | | 41 | 41 | | | | |
| | GP | eP | N | 00 | 41 | 03 | | | 5.3 | |
| | | eS | N | | 42 | 28 | | | | |
| | KM | eS | X | 00 | 42 | 17 | | | 5.2 | |
| | Origin: | | | 00 | 39 | 13 | 36.6S 177.2E | 280km | NZ(D) | 5.2 |
| | 5 KP | eP | Z | 07 | 44 | 29 | | | | |
| | ON | e(P) | Z | 07 | 44 | 31 | | | | |
| | CT | eP | Z | 07 | 44 | 54 | | | | |
| | WN | eS | ZNE | 07 | 47 | 39 | | | | |
| | | eL | Z | | 49 | | | | | |
| | Origin: | | | 07 | 41 | 37.9 | 27.2S 178.0W | 33km | USCGS | 4.4 |
| | | | | | | | Felt: Raoul Is. MM2 | | | |
| | 5 CT | eP | Z | 11 | 33 | 05 | | | | |
| | KP | eP | Z | 11 | 33 | 45 | | | | |
| | | e? | Z | | 34 | 23 | | | | |
| | 5 MN | eP | Z | 15 | 43 | 04 | | | | |
| | RX | eP | ZNE | 15 | 43 | 14 | 6 9 | 7 12 | | |
| | | eS | NE | | 46 | 34 | | 19 30 | | |
| | | eLq | N | | 47.3 | | 18 20 | 17 26 | | |
| | | eLr | Z | | 47.6 | | 4 20 | | | |
| | WN | eP | Z | 15 | 44 | 13 | 5 14 | | 24 44 | |
| | | eS | ZE | | 48 | 30 | 28 32 | | | |
| | | eLr | Z | | 50.0 | | 15 18 | 17 16 | 20 15 | |
| | | M | ZNE | | 52 | | | | | |
| | CT | eP | Z | 15 | 44 | 33 | | | | |
| | KP | eP | Z | 15 | 44 | 43 | | | | |
| | Origin: | | | 15 | 39 | 07.0 | 60.7S 154.3E | 33km | USCGS | 5.1 |
| | 6 WN | eL | Z | 14 | 55 | | 1 20 | | | |
| | | M | Z | | 15 | 03 | | | | |
| | Origin: | | | 13 | 36 | 35.6 | 57.0N 33.6W | 33km | USCGS | 5.1 |
| | 7 KP | eP | Z | 04 | 30 | 11 | | | | |
| | RX | eP | Z | 04 | 31 | 29 | | | | |
| | | eL | NE | | 38.5 | | | 4 26 | 4 25 | |
| | | M | NE | | 40 | | | | | |
| | | L | Z | | 40 | | | | | |
| | WN | eSS | ZNE | 04 | 34 | 32 | 3 18 | 7 20 | 6 20 | |
| | | eL | ZNE | | 36 | 39 | | | | |
| | | M | ZNE | | 38 | | 5 14 | | 5 15 | |
| | Origin: | | | 04 | 26 | 23.4 | 21.8S 173.5E | 106km | USCGS | 4.5 |
| | 7 KP | eP | Z | 11 | 18 | 53 | | | | |
| | WN | eP | ZNE | 11 | 19 | 18 | | | | |
| | RX | eP | Z | 11 | 20 | 07 | | | | |
| | Origin: | | | 11 | 15 | 07.6 | 20.0S 178.3W | 600km | USCGS | 4.5 |
| | 7 KP | eP | Z | 11 | 20 | 31 | | | | |
| | WN | eP | ZNE | 11 | 21 | 00 | | | | |
| | RX | eP | Z | 11 | 21 | 49 | | | | |
| | Origin: | | | 11 | 16 | 48.6 | 20.1S 178.4W | 600km | USCGS | 4.5 |

NEW ZEALAND STATIONS 1963

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | | |
|------|---------|-------|-----|--------|------|-------|--------------|--------------|-------|-------|-----|
| AUG | 7 KP | iP | Z | 15 | 42 | 46.3 | | | | | |
| | | e | Z | | 50 | | | | | | |
| | Origin: | | | 15 | 38 | 58.7 | 21.2S 177.8W | 352km | USCGS | 4.4 | |
| | 7 KP | eP | Z | 17 | 25 | 46 | | | | | |
| | Origin: | | | 17 | 13 | 18.4 | 56.1S 27.0W | 33km | USCGS | 5.4 | |
| | 8 KP | eP | Z | 02 | 28 | 01 | | | | | |
| | WN | eL | Z | 02 | 58 | | | | | | |
| | | M | Z | 03 | 02 | | 5 23 | | | | |
| | RX | eL | NE | 03 | 02 | | | | | | |
| | Origin: | | | 02 | 14 | 54.4 | 54.2N 168.1E | 33km | USCGS | 5.5 | |
| | 8 WN | e(Lr) | Z | 11 | 26 | | | | | | |
| | | e(Lr) | E | | 33 | | | | | | |
| | | M | ZE | | 33 | | | | | | |
| | Origin: | | | 10 | 58 | 23.1 | 35.9S 103.6W | 33km | USCGS | 4.7 | |
| | 8 KP | eP | Z | 11 | 23 | 44 | | | | | |
| | CT | eP | Z | 11 | 23 | 45 | | | | | |
| | | e(P) | Z | | 53 | | | | | | |
| | WN | eSS | ZNE | 11 | 33 | 24 | 6 28 | | 6 20 | | |
| | | eLr | ZNE | | 36 | | 24 40 | 22 24 | 10 20 | | |
| | | M | ZNE | | 39 | | | | 6 2 | | |
| | RX | eLr | ZNE | 11(38) | 40 | | 6 17 | 7 17 | 7 18 | | |
| | Origin: | | | 11 | 16 | 11.2 | 5.8S 151.0E | 48km | USCGS | 5.6 | |
| | 8 KP | eP | Z | 14 | 02 | 14 | | | | | |
| | Origin: | | | 13 | 53 | 42.2 | 18.3N 145.3E | 423km | USCGS | 4.9 | |
| | 9 OS | eP | Z | 14 | 42 | 02 | | | | | |
| | WN | e(P) | Z | 14 | 43 | 28 | | | | | |
| | | eS | E | | 47 | | | | 5 32 | | |
| | | eLr | ZNE | | 48 | | | 43 40 | 52 40 | | |
| | | M | NE | | 49 | | | | | | |
| | | M | Z | | 50 | | 34 30 | | | | |
| | RX | eLq | E | 14 | 50.7 | | | | | | |
| | | eLq | N | | 51.0 | | | | | | |
| | | M | NE | | 52 | | | 22 35 | 32 28 | | |
| | | eLr | Z | | 53.5 | | | | | | |
| | Origin: | | | 14 | 36 | 45.9 | 12 15 17 20 | 15.3S 175.7W | 33km | USCGS | 6.0 |
| | | | | | | | | | 5.5 | | |
| | 9 TU | eP | Z | 21 | 42 | 14 | | | | | |
| | | e(S) | Z | | 43 | 47 | | | | | |
| | OS | e(P) | Z | 21 | 42 | 22 | | | | | |
| | | e(S) | Z | | 43 | 44 | | | | | |
| | CT | eP | Z | 21 | 42 | 48 | | | | | |
| | | e? | Z | | 44 | 26 | | | | | |
| | WN | eS | ZNE | 21 | 44 | 55 | | | | | |
| | | eL | Z | | 48 | | | | | | |
| | GP | eS | N | 21 | 45 | 59 | | | | | |
| | 10 WN | eL | Z | 18 | 24 | | | | | | |
| | Origin: | | | 18 | 07 | 26.2 | 54.4S 132.8W | 33km | USCGS | 4.7 | |
| | 11 RX | eP | Z | 01 | 38 | 34 | | | | | |
| | | e | NE | | 41.6 | | 16 16 | | 16 25 | | |
| | WN | eP | ZN | 01 | 39 | 32 | | | 13 26 | | |
| | | eS | NE | | 43 | 44 | 4 16 | | 23 56 | | |
| | | e | Z | | 44 | 12 | | | | | |
| | | eLq | ZN | | 45.2 | | 7 14 | | 15 30 | | |
| | Origin: | | | 01 | 34 | 22.2 | 22 28 18 16 | 15 16 | 19 14 | | |
| | | | | | | | 60.5S 154.9E | 33km | USCGS | 5.4 | |

NEW ZEALAND SEISMOLOGICAL RECORD

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|----------------|--------------|-------|-------|------|
| AUG 12 | WN | e(Lq) | E 21 09.5 | | | | |
| | | eLr | Z 11 | | | | |
| | | M | Z 13 | 2 20 | | | |
| | RX | eL | E 21 12.4 | | | | |
| | Origin: | | 20 59 08.0 | 21.9S 175.7W | 33km | USCGS | |
| 13 | GS | eP | Z 06 32 59 | | | | |
| | | eS | Z 35 54 | | | | |
| | WN | eP | ZNE 06 33 26 | | | | |
| | | eS | ZNE 36 43 | | | | |
| | Origin: | | 06 29 19.1 | 20.6S 178.5W | 562km | USCGS | |
| 13 | GS | eP | Z 06 56 47 | | | | |
| | | eL | Z 06 57 24 | | | | |
| | WN | eL | ZE 07 04 | | | | |
| | | eL | N 05 | | | 3 22 | |
| | | M | Z 07 | 3 21 | | | |
| | RX | eL | E 07 07 | | | | |
| | Origin: | | 06 52 06.1 | 19.1S 173.9W | 28km | USCGS | |
| 13 | KP | eP | Z 21 57 17 | | | | |
| | | eP | Z 21 57 30 | | | | |
| | WN | eP | Z 21 57 49 | | | | |
| | | eL | ZN 22 03.0 | | | | |
| | | eL | E 04.0 | | | 6 22 | |
| | | M | ZN 08 | 10 20 | 6 20 | | |
| | RX | eL | NE 22 06 | | | | |
| | | eL | Z 10 | 9 17 | | | |
| | | M | NE 10 | | 7 17 | 5 16 | |
| | Origin: | | 21 52 37.4 | 19.3S 173.7W | 33km | USCGS | |
| 13 | KP | eP | Z 23 11 08 | | | | |
| | | | Z 23 00 24.8 | 27.2N 140.1E | 448km | USCGS | |
| | Origin: | | | | | | |
| 14 | WN | eLq | ZE 02 57.0 | 3 28 | | 7 21 | |
| | | eLr | ZN 58.4 | 6 18 | 6 18 | | |
| | RX | eL | NE 02 59 | | | | |
| | | M | E 03 00 | | | 6 22 | |
| | | eL | Z 02 | | | | |
| | | M | N 02 | | 4 17 | | |
| | Origin: | | 02 46 44.1 | 21.4S 175.2W | 33km | USCGS | |
| 14 | KP | iP | Z 03 39 57.2 d | | | | |
| | | iP | Z 03 40 06.4 d | | | | |
| | WN | eP | ZNE 03 40 16 | | | | |
| | | eSS | Z 50 04 | 3 26 | | | |
| | | eL | ZNE 52.4 | 8 28 | | | |
| | RX | eL | E 03 53 | | | | |
| | | eL | N 54 | | | | |
| | | eL | Z 56 | | | | |
| | | M | NE 56 | | 5 20 | 4 20 | |
| | Origin: | | 03 32 33.5 | 4.9S 152.3E | 62km | USCGS | |
| 14 | WN | e | ZNE 08 34 27 | | | | |
| | | | ZNE 08 27 14.9 | 9.3S 158.3E | 33km | USCGS | |
| | Origin: | | | | | | |
| 14 | MN | iP | Z 13 24 45.6 d | | | | |
| | | e | Z 47 | | | | |
| | RX | eP | Z 13 25 04 | | | | |
| | | e | Z 10 | | | | |
| | | e | Z 33 | | | | |
| | KM | e | X 13 25 46 | | | | |
| | | eS | X 26 55 | | | | |
| | GP | eP | N 13 25 52 | | | | |
| | | eS | N 27 10 | | | | |

NEW ZEALAND STATIONS 1963

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|----------------|--------------|--------|--------------|-------|
| AUG | CB | ePn | E 13 26 12 | | | | |
| | | e(P*) | E 38 | | | | |
| | | e | E 27 27 | | | | |
| | | eP | Z 13 26 37 | | | | |
| | | e | Z 27.06 | | | | |
| | WN | e | Z 44 | | | | |
| | | e | ZNE 13 26 46 | | | | |
| | | eP | Z 28 50 | | | | |
| | TA | eP | Z 13 26 49 | | | | |
| | | e(S) | Z 28 46 | | | | |
| | CT | eP | Z 13 27 02 | | | | |
| | | eP | Z 13 27 02 | | | | 5.2 |
| | KP | e | Y 28 56 | | | | |
| | TO | eP | Z 13 27 09 | | | | |
| | | e | Z 13 24 12 | 47.8 | 165E | S? | NZ(D) |
| | Origin: | | | | | | 5.3 |
| 14 | KP | iP | Z 18 52 51.7 d | | | | |
| | | eP | Z 18 52 57 | | | | |
| | CT | eP | Z 18 52 59 | | | | |
| | RX | eP | E 19 10 | | | | |
| | | eL | ZN 19 08 | | | | |
| | WN | eL | E 09 | | | 3 22 | |
| | | M | Z 12 | | | | |
| | Origin: | | 18 43 35.5 | 3.4S | 135.4E | 33km | USCGS |
| 14 | WN | eL | ZE 20 53 | | | | |
| | | M | Z 20 43 12 | 2 22 | | 22.5S 175.5W | 33km |
| | Origin: | | | | | | 4.4 |
| 14 | KP | eP | Z 21 52 38 | | | | |
| | | | Z 21 48 28 | 17.5S 178.3W | 487km | USCGS | |
| | Origin: | | | | | | 3.6 |
| 15 | KP | eP | Z 01 38 04 | | | | |
| | | | Z 01 33 02.1 | 18.1S 172.6W | 33km | USCGS | |
| | Origin: | | | | | | 4.2 |
| 15 | KP | iP | Z 02 28 04.0 d | | | | |
| | | iP | Z 02 28 09 u | | | | |
| | CT | eP | Z 02 28 26 | | | | |
| | RX | eP | Z 02 17 16.9 | 27.9N 139.6E | 476km | USCGS | |
| | Origin: | | | | | | 4.7 |
| 15 | KP | eP | Z 06 23 50 | | | | |
| | | e | Z 58 | | | | |
| | CT | eP | Z 06 23 56 | | | | |
| | | e | Z 24 04 | | | | |
| | WN | eP | Z 06 24 10 | 5 16 | | | 6.3 |
| | | eSKS | ZNE 34 18 | 5 20 | | 7 14 | |
| | | eSS | ZNE 39 54 | 5 18 | | 5 20 | |
| | | eSS | Z 43 20 | 3 30 | | | |
| | | e(Lq) | Z 46 | 6 36 | | | |
| | | eLr | ZNE 50 | | | | |
| | | M | ZNE 52 | 28 29 | 15 31 | 12 32 | |
| | | M | ZNE 56 | 34 22 | 20 22 | 15 22 | |
| | RX | eSKS | NE 06 34 32 | | | | |
| | | e | E 35 07 | | | | |
| | | ePS | ZN 48 | 4 10 | 6 16 | 3 12 | |
| | | eSS | N 40.5 | | 8 24 | | |
| | | eLq | E 48.6 | | | | |
| | | eLr | NE 52 | | | | |
| | | eLr | Z 53 | | | | |
| | | M | ZNE 55 | 13 24 | 10 24 | 10 24 | |
| | Origin: | | 06 11 34.6 | 37.9N 141.6E | 59km | USCGS | |
| | | | | | | | 5.7 |
| 15 | WN | eL | Z 15 05 | | | | |
| | | M | Z 06 | 1 22 | | | |
| | Origin: | | 14 57 51.1 | 20.0S 178.9W | 298km | USCGS | |
| | | | | | | | 4.2 |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|---------|----------|-------|-------|------|-------|--------|--------|--------|-------|-----|
| AUG 15 | WN | eP | Z | 17 | 37 | 54 | | | | |
| | | epP | Z | | 39 | 56 | | | | |
| | | ePP | ZN | | 42 | 12 | | | | |
| | | ePPP | Z | | 44 | 26 | | | | |
| | | eSKS | ZNE | | 47 | 44 | 22 30 | 32 30 | 67 32 | |
| | | eSP | ZNE | | 50 | 16 | | 31 30 | 63 44 | |
| | | ePKKP | ZNE | | 54 | 30 | | | | |
| | | e | Z | | 55 | 04 | | | | |
| | | eSS | N | | 56 | 2 | | | | |
| | | eSSS | ZN | | 59 | 9 | | 40 32 | | |
| | | eP'P' | Z | 18 | 02 | 44 | | | | |
| | | e(Lq) | Z | | 06 | 2 | 82 24 | | | |
| | | eP | Z | 17 | 37 | 58 | | | | |
| | | e | Z | | 38 | 12 | | | | |
| | | epP | Z | | 40 | 01 | | | | |
| | | e | Z | | | 17 | | | | |
| | | e(SP) | Z | | 41 | 25 | | | | |
| | | e | Z | | 42 | 32 | | | | |
| | | ePKKP | Z | | 54 | 22 | | | | |
| | | CT | eP | Z | 17 | 37 | 58 | | | |
| e | Z | | | 38 | 10 | | | | | |
| epP | Z | | | 39 | 58 | | | | | |
| ePKKP | Z | | | 54 | 28 | | | | | |
| e | Z | | | | 58 | | | | | |
| eP | Z | | 17 | 38 | 18 | | | | | |
| epP | ZNE | | | 40 | 3 | | | | | |
| ePP | ZNE | | | 42 | 5 | 68 11 | | 44 11 | 6.3 | |
| eSKS | NE | | | 47 | 55 | | | | | |
| eSP | ZNE | | | 50 | 5 | 14 12 | 19 20 | 52 26 | | |
| RX | ePKKP | Z | | 54 | 25 | | | | | |
| | e | Z | | | 51 | | | | | |
| | e(pPKKP) | Z | | 57 | 00 | | | | | |
| | Origin: | | 17 25 | 05.9 | | 13.8S | 69.3W | 54.3km | USCGS | 6.0 |
| | 15 GS | eP | Z | 22 | 33 | 23 | | | | |
| | Origin: | | 22 29 | 47.1 | | 21.0S | 179.2W | 597km | USCGS | 4.5 |
| | 16 CT | e | Z | 23 | 26 | 47 | | | | |
| | | e | Z | | | 55 | | | | |
| | | GS | e | Z | 23 | 27 | 04 | | | |
| | | WN | eL | Z | 23 | 36 | | | | |
| M | | Z | | | 38 | 1 18 | | | | |
| Origin: | | 23 19 | 31.1 | | 48.9S | 122.8E | 33km | USCGS | | |
| 17 WN | eL | Z | 05 | 44 | | | | | | |
| | Origin: | | 05 33 | 40.1 | | 20.0S | 174.0W | 33km | USCGS | 4.6 |
| 17 GS | eP | Z | 09 | 36 | 05 | | | | | |
| | eS | Z | | 37 | 01 | | | | | |
| | eP | Z | 09 | 36 | 13 | | | | | |
| | eS | Z | | 37 | 17 | | | | | |
| | e | Z | | | 46 | | | | | |
| | ON | eP | Z | 09 | 36 | 13 | | | | 4.4 |
| | CT | eP | Z | 09 | 36 | 31 | | | | |
| | e | Z | | | 35 | | | | | |
| | eS | Z | | 38 | 03 | | | | | 4.6 |
| | e(P) | Y | 09 | 36 | 31 | | | | | |
| TA | eS | Y | | 38 | 02 | | | | | |
| | e(P) | Z | 09 | 36 | 50 | | | | | |
| | e(S) | Z | | 38 | 35 | | | | | |
| | WN | eS | NE | 09 | 38 | 25 | | | | 5.1 |
| | e(S*) | N | | 39 | 12 | | | | | |
| CB | eL | Z | | 40 | | 2 24 | | | | |
| | e | ZN | | 41 | 41 | | | | | |
| | e | E | 09 | 38 | 49 | | | | | 5.1 |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|---|-----|---------|-------|-------|------|-------|----------------------|--------|--------|-------|
| AUG | XN | e | X | 09 | 39 | 24 | | | 5.2 | |
| | | e | N | 09 | 39 | 29 | | | 5.2 | |
| | | e | | 09 | 34 | 50 | | | 5.0 | |
| Origin: | | | | | | | 34.8S 179.4W N NZ(D) | | | |
| Additional readings from Uppsala and Charters Towers used to determine epicentre. | | | | | | | | | | |
| 17 CT | GS | eP | Z | 11 | 24 | 53 | | | | |
| | | epP | Z | | 25 | 14 | | | | |
| | | ePP | Z | | 27 | 54 | | | | |
| | | eP | Z | 11 | 24 | 57 | | | | |
| | | eP | Z | 11 | 25 | 11 | 3 16 | | | 6.2 |
| | | ePP | Z | | 28 | 1 | 2 28 | | | 6.2 |
| | | eS | Z | | 35 | 13 | 7 36 | | | 6.5 |
| | | eSS | ZNE | | 40 | 3 | 6 25 | 18 25 | 10 28 | |
| | | eLr | N | | 55 | | | | | |
| | | eLr | N | | 55 | | 16 26 | | | |
| RX | EX | eLr | Z | 12 | 00 | | | | | |
| | | M | Z | | 04 | | 15 18 | 6 18 | 6 18 | 6.3 |
| | | eLr | ZNE | | 11 | 25 | 37 | | | |
| | | eP | Z | | 35 | 5 | | | | |
| | | eS | Z | | 37 | | | | | |
| | | e | NE | | 40 | 8 | | 6 24 | 7 30 | |
| | | eSS | ZNE | | 42 | | | | | |
| | | eL | NE | | 43 | | | | | |
| | | M | NE | | 44 | | | | | |
| | | M | Z | | 11 | 12 | 41.2 | 30.6N | 130.9E | 33km |
| Origin: | | | | | | | | | | |
| 17 WN | EX | eP | Z | 11 | 37 | 33 | | | | |
| | | eP | Z | 11 | 37 | 35 | | | | |
| | | eP | Z | 11 | 38 | 26 | | | | |
| | | eP | Z | 11 | 38 | 49 | | | | |
| | | e | Z | | 39 | 00 | | | | |
| Origin: | | | 11 33 | 28 | | 63.4S | 169.5E | 33km | USCGS | |
| 17 WN | M | e(L) | Z | 13 | 24 | | | | | |
| | | M | Z | | 57 | | | | | |
| 18 CT | WN | eP | Z | 18 | 56 | 10 | | | | |
| | | eLr | Z | 19 | 25 | 5 | | | | |
| | | M | Z | | 30 | | 3 26 | | | |
| | | M | Z | | 30 | | 2 21 | | | |
| | | Origin: | | 18 43 | 16.1 | | 50.3N | 176.9W | 33km | USCGS |
| 18 WN | M | eL | Z | 20 | 30 | | | | | |
| | | M | Z | | 32 | | | | | |
| | | Origin: | | 20 18 | 29.9 | | 22.5S | 175.2W | 33km | USCGS |
| 18 GS | ON | eP | Z | 20 | 29 | 22 | | | | |
| | | e | Z | | 30 | 35 | | | | |
| | | eP | Z | 20 | 29 | 33 | | | | |
| | | e | Z | 20 | 29 | 46 | | | | |
| | | e | Z | | 56 | | | | | |
| | | e | Z | | 30 | 10 | | | | |
| | | e | Z | | 32 | 27 | | | | |
| | | eP | Z | 20 | 31 | 19 | | | | |
| | | eS | Z | | 34 | 51 | | | | |
| | | eP | Z | 20 | 31 | 34 | | | | |
| EX | EX | eS | Z | | 34 | 21 | | | | |
| | | eL | NE | | 36 | | | | | |
| | | e | Z | | 37 | | | | | |
| | | eL | Z | | 38 | | | | | |
| | | M | Z | | 40 | | | | | |
| WN | eS | NE | 20 | 32 | 05 | 11 17 | 7 18 | 9 16 | 5.6 | |

NEW ZEALAND SEISMOLOGICAL REPORT

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | | | | | |
|---------|---------|---------|----|----|--------|-----------------|--------------------|-------|-------|------|-------------------|--------------------|-------|--|-----|
| SEP | CT | eP | Z | 17 | 22 | 32 | 34S 178W N NZ(D) | | | | | | | | |
| | | eS | Z | 17 | 23 | 54 | | | | | | | | | |
| | TA | eP | Z | 17 | 22 | 41 | | | | | | | | | |
| | WN | eS | NE | 17 | 24 | 33 | | | | | | | | | |
| | | eL | Z | | | 26.5 | | | | | | | | | |
| | GP | eS | N | 17 | 25 | 33 | | | | | | | | | |
| Origin: | | | 17 | 20 | 45 | | | | | | | | | | |
| 5 | KP | iP | Z | 10 | 47 | 23.8 d | 18.0S 168.1E 33km | | USCGS | 5.3 | | | | | |
| Origin: | | | 10 | 42 | 42.5 | Felt: Port Vila | | | | | | | | | |
| 6 | KP | eP | Z | 01 | 45 | 14 | 3 24 | | | | | | | | |
| | | eL | Z | 01 | 52 | | | | | | | | | | |
| | WN | M | Z | | | 53 | | | | | | | | | |
| | | eL | E | 01 | 54 | 56 | | | | | | | | | |
| | RX | eL | N | | | 56 | | | | | | | | | |
| | Origin: | | | 01 | 40 | 45.0 | | | | | 19.3S 176.9W 66km | USCGS | | | 4.7 |
| 6 | WN | e(P) | Z | 02 | 39.0 | | 3 32 | | | | | | | | |
| | | eLr | ZE | | | 43.8 | | | | | | | | | |
| | RX | e | E | 02 | 39.8 | | | | | | | | | | |
| | eL | ZNE | | | 44 | | | | | | | | | | |
| Origin: | | | | | 45 | | | | | 3 22 | | | | | |
| 6 | KP | eP | Z | 06 | 16 | 26 | 36.4N 130.6E 33km | USCGS | | | | | | | |
| | | eLq | ZE | 06 | 41 | | | | | | | | | | |
| | WN | eLr | N | | | 43 | | | | | | | | | |
| | RX | eL | E | 06 | 42 | | | | | | | | | | |
| Origin: | | | | | 44 | | | | | 5.4 | | | | | |
| 6 | KP | eP | Z | 08 | 20 | 53 | 6.1N 126.2E 47km | USCGS | | | | | | | |
| | | Origin: | | | 08 | 10 | | | | | 26.5 | | | | |
| 6 | GS | eP | Z | 08 | 55 | 02 | 34S 179½W N NZ(D) | | | | | | | | |
| | | eS | Z | | | 56 04 | | | | | | | | | |
| | KP | eP | Z | 08 | 55 | 09 | | | | | | | | | |
| | TU | eP | Z | 08 | 55 | 09 | | | | | | | | | |
| | TA | eS | Z | | | 56 13 | | | | | | | | | |
| | | e | Z | 08 | 55 | 38 | | | | | | | | | |
| | WN | eS | Z | | | 57 02 | | | | | | | | | |
| | | eS | NE | 08 | 57 | 16 | | | | | | | | | |
| | GP | eS | N | 08 | 58 | 19 | | | | | | | | | |
| | Origin: | | | 08 | 53 | 45 | | | | | | | | | 5.2 |
| | 6 | ON | eP | E | 10 | 19 | | | | | 28 | 24.0S 179.9E 500km | USCGS | | |
| eS | | | E | | | 21 48 | | | | | | | | | |
| KP | | iP | Z | 10 | 19 | 43.0 d | | | | | | | | | |
| | | i | Z | | | 46.2 u | | | | | | | | | |
| e | | eS | Z | | | 20 09½ | | | | | | | | | |
| | | eS | Z | | | 22 15 | | | | | | | | | |
| WN | ePcP | Z | | | 24 07½ | | | | | | | | | | |
| WN | eP | Z | 10 | 20 | 13 | | | | | | | | | | |
| | e | ZNE | | | 16 | | | | | | | | | | |
| Origin: | | | | | 23 10 | | | | | 5.2 | | | | | |
| 6 | WN | eLq | NE | 12 | 15 | | 24.0S 179.9E 500km | USCGS | | | | | | | |
| | | eLr | Z | | | 16.7 | | | | | | | | | |
| | RX | eL | NE | 12 | 17 | | | | | | | | | | |
| | eL | Z | | | 18 | | | | | | | | | | |
| 6 | KP | eP | Z | 17 | 49 | 47 | | | | | | | | | |

NEW ZEALAND STATIONS 1963

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | | | | |
|---------|---------|---------|-----|-----|------------|-------------------|--------------------|-------------------|-------|------|------|------|--|--|
| SEP | Origin: | | | | | 50 | 15.2S 167.9E 231km | | USCGS | | | | | |
| | | | Z | 17 | 44 | 56 | | | | | | | | |
| 7 | KP | eP | Z | 01 | 29 | 38 | 3 40 | 36.4N 130.6E 33km | USCGS | 5.3 | | | | |
| | | RX | eP | Z | 01 | 29 | | | | | 47 | | | |
| | WN | eL | E | | | 57 | | | | | | | | |
| | | M | ZNE | 01 | 55 | 59 | | | | | | | | |
| | Origin: | | | | | 55.1 | | | | | | | | |
| | 7 | KP | eP | Z | 02 | 34 | | | | | 01 | 2 18 | | |
| eL | | | E | 02 | 41 | | | | | | | | | |
| WN | | eL | ZN | | | 42 | | | | | | | | |
| RX | | eL | Z | | | 45 | | | | | | | | |
| Origin: | | | | | 44 | 21.5S 174.6W 33km | USCGS | | 5.1 | | | | | |
| 7 | KP | eP | Z | 07 | 26 | 18 | 45.4N 150.8E 33km | USCGS | | 5.2 | | | | |
| | | Origin: | | | 07 | 13 | | | | | 39.9 | | | |
| 7 | KP | eP | Z | 08 | 31 | 12 | 18.9S 174.9W 131km | USCGS | | 4.4 | | | | |
| | | Origin: | | | 08 | 26 | | | | | 36 | | | |
| 7 | WN | eL | ZE | 09 | 50 | | 11.7S 13.6W 33km | USCGS | | 5.3 | | | | |
| | | N | Z | | | 51 | | | | | | | | |
| | RX | eL | E | 09 | 56 | | | | | | | | | |
| | Origin: | | | | | 58 | | | | | | | | |
| 7 | KP | eP | Z | 12 | 57 | 03 | 54.0N 160.3E 110km | USCGS | | 5.4 | | | | |
| | | WN | eLr | Z | 13 | 28 | | | | | | | | |
| | Origin: | | | | | 29 | | | | | | | | |
| | M | Z | 12 | 44 | 01.1 | | | | | | | | | |
| 7 | KP | iP | Z | 15 | 20 | 18.7 d | 22.0S 179.6W 558km | USCGS | | 4.7 | | | | |
| | | WN | eP | ZNE | 15 | 20 | | | | | 47 | | | |
| | RX | eP | ZNE | | | 23 51 | | | | | | | | |
| | Origin: | | | | | 15 21 36 | | | | | | | | |
| 7 | KP | eP | Z | 19 | 36 | 10 | 22 24 | 3.0S 130.4E 33km | USCGS | 4.6 | | | | |
| | | WN | eLq | N | 19 | 51 | | | | | | | | |
| | Origin: | eLq | E | | | 53 | | | | | | | | |
| | | M | N | | | 54 | | | | | | | | |
| | Origin: | | | | | 55 | | | | | | | | |
| | Origin: | | | | | 57 | | | | | | | | |
| Origin: | | | | | 19 26 29.3 | | | | | | | | | |
| 7 | KP | eP | Z | 22 | 12 | 21 | 27.8N 141.5E 50km | USCGS | | 4.9 | | | | |
| | | Origin: | | | 22 | 00 | | | | | 58.9 | | | |
| 8 | OR | eP? | E | 00 | 50 | 09 | 20 19 | 7 18 | 12 21 | | | | | |
| | | e(P) | E | | | 20 | | | | | | | | |
| | e | E | | | 39 | | | | | | | | | |
| | EP | eP | Z | 00 | 50 | 10 | | | | | | | | |
| | | eS | ZNE | 00 | 50 | 52 | | | | | | | | |
| | Origin: | | | | | 53 23 | | | | | | | | |
| Origin: | | | | | 54 | | | | | | | | | |
| Origin: | | | | | 57 | | | | | | | | | |
| EX | eP | Z | 00 | 52 | 02 | 7 20 | 18 22 | | | | | | | |
| | | E | | | 56 | | | | | | | | | |
| | N | | | 57 | | | | | | | | | | |
| | Origin: | | | | | | | | | 58 | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|--------|--------------|--------------|--------------|-------|------|
| SEP | M | N | 59 | | | | |
| | Origin: | | 01 09 47.0 | 14.0S 166.2E | 3 16 64km | USCGS | 5.4 |
| 10 | KP | eP | Z 05 35 25 | | | | |
| | Origin: | | 05 31 03.1 | 23.6S 178.9E | 268km | USCGS | 5.4 |
| 10 | KP | eP | Z 06 28 21 | | | | |
| | e | Z | 24 | | | | |
| | eS | Z | 31 01 | | | | |
| | CT | eP | Z 06 28 34 | | | | |
| | eS | Z | 31 20 | | | | |
| | WN | eP | ZNE 06 28 53 | | | | |
| | eS | ZNE | 31 53 | | | | |
| | Origin: | | 06 25 14.5 | 23.0S 179.8E | 520km | USCGS | 5.4 |
| 10 | KP | eP? | Z 10 50 58 | | | | |
| | e(P) | Z | 51 13 | | | | |
| | CT | eP | Z 10 51 12 | | | | |
| | WN | eP | Z 10 51 40 | | | | |
| | eS | ZNE | 55.7 | | | | |
| | e(L) | Z | 57.2 | 2 28 | | | |
| 10 | KP | eP | Z 19 18 47 | | | | |
| | e? | Z | 20 31 | | | | |
| | CT | eP | Z 19 19 00 | | | | |
| | WN | eP | ZN 19 19 23 | | | | |
| | eS | ZNE | 23 26 | 5 12 | 9 16 | 7 14 | |
| | eSS | ZE | 24 04 | 6 16 | | 8 26 | 5.4 |
| | eL | ZN | 25.1 | 17 26 | 16 36 | | |
| | RX | eP | Z 19 20 04 | | | | |
| | eS | NE | 24 46 | | 7 14 | | |
| | eL | ZN | 27 | | | | |
| | eL | E | 28 | | | | |
| | M | NE | 29 | | 4 16 | 4 17 | 5.4 |
| | Origin: | | 19 14 26.8 | 19.0S 175.8E | 33km | USCGS | 5.4 |
| 10 | WN | eLr | Z 24 22.6 | | | | |
| | M | Z | 32 | 3 18 | | | |
| | RX | eL | E 24 24 | | | | |
| | Origin: | | 23 56 26.2 | 3.4S 131.4E | 64km | USCGS | 5.4 |
| 11 | KP | eP | Z 09 08 53 | | | | |
| | CT | eP | Z 09 08 58 | | | | |
| | WN | e(PcP) | Z 09 10.1 | 1 12 | | | |
| | e(ScS) | Z | 19.2 | 1 20 | | | |
| | eLr | Z | 26 | | | | |
| | M | Z | 33 | 2 22 | | | |
| | RX | eLr | E 09 27 | | | | |
| | Origin: | | 08 59 37.6 | 3.5S 131.2E | 33km | USCGS | 5.7 |
| 11 | GS | eP | Z 12 33 31 | | | | |
| | e? | Z | 34 03 | | | | |
| | e | Z | 34 | | | | |
| | eS | Z | 43 | | | | |
| | e | Z | 35 22 | | | | |
| | TU | eP | Z 12 33 37 | | | | |
| | e? | Z | 34 04 | | | | |
| | eS | Z | 53 | | | | |
| | KP | eP | Z 12 33 47 | | | | |
| | CT | eP | Z 12 33 54 | | | | |
| | eS | Z | 35 24 | | | | |
| | WN | eS | NE 12 36 00 | | | | |
| | GP | eS | Z 12 37 06 | | | | |
| | Origin: | | 12 31 58 | 34.8S 176.4W | N | NZ(D) | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|--------------|--------------|-------|-------|------|
| SEP 11 | GS | eP | Z 22 21 57 | | | | |
| | e | Z | 22 09 | | | | |
| | eS | Z | 27 | | | | |
| | e | Z | 23 12 | | | | |
| | eS | Z | 22 22 (06) | | | | |
| | eP | Z | 23 (24) | | | | |
| | Origin: | | 22 22 07 | | | | 5.0 |
| | e | Z | 23 06 | | | | |
| | e | Z | 25 02 | | | | |
| | e? | Z | 22 22 07 | | | | |
| | eP | Z | 17 | | | | |
| | e(s) | Z | 23 18 | | | | |
| | e | Z | 46 | | | | |
| | e | Z | 22 22 18 | | | | |
| | eP | Z | 23 44 | | | | |
| | e(P*) | Z | 22 22 34 | | | | |
| | e | Z | 51 | | | | |
| | e | Z | 02 24 21 | | | | 6.0 |
| | eP | NE | 02 24 27 | | | | |
| | eS | NE | 54 | | | | |
| | e | Z | 26 | | | | |
| | M | Z | 29 | 4 20 | | | |
| | eS | E | 02 24 48 | | | | 5.4 |
| | e | E | 25 13 | | | | |
| | e | X | 02 25 32 | | | | 5.3 |
| | eS | N | 02 25 33 | | | | 5.6 |
| | Origin: | | 22 20 26.6 | 33.1S 178.2W | 21km | NZ(D) | 5.4 |
| 12 | KP | eP | Z 03 15 39 | | | | |
| | CT | eP | Z 03 15 54 | | | | |
| | WN | eP | Z 03 16 12 | | | | |
| | eS | ZE | 19 56 | 4 8 | | | |
| | eL | ZE | 20.9 | 2 10 | | 3 6 | 5.7 |
| | M | Z | 23 | | | | |
| | E | Z | 25 | 22 17 | | | |
| | M | E | 25 | | | | 6 18 |
| | RX | eP | ZN 03 16 55 | | | | |
| | eS | NE | 21 06 | | | | |
| | eLq | E | 23 | | | | |
| | eLr | ZN | 24 | | | | |
| | M | ZNE | 25 | 5 14 | 5 17 | 6 17 | 5.5 |
| | Origin: | | 03 11 53.9 | 22.5S 170.7E | 54km | USCGS | 4.9 |
| 12 | KP | ePKP | Z 08 38 (44) | | | | |
| | Origin: | | 08 18 57.9 | 34.9N 32.2E | 55km | USCGS | 5.0 |
| 12 | KP | eP | Z 14 15 | | | | |
| | CT | eP | Z 14 15 35 | | | | |
| | WN | e? | ZNE 14 18 28 | | | | |
| | eL | Z | 21 | 1 20 | | | |
| | RX | eL | E 14 25 | | | | |
| | Origin: | | 14 10 58 | 19.0S 175.9E | 33km | USCGS | 4.6 |
| 13 | GS | eP | Z 21 11 26 | | | | |
| | e | Z | 12 05 | | | | |
| | TU | eP | Z 21 11 32 | | | | |
| | KP | eP | Z 21 11 36 | | | | |
| | e | Z | 47 | | | | |
| | CT | e | Z 21 12 10 | | | | |
| | eS | Z | 13 15 | | | | |
| | WN | eS | NE 21 13 56 | | | | 5.5 |
| | GP | e? | N 21 14 15 | | | | 5.4 |
| | eS | N | 15 03 | | | | |
| | eS | E | 21 14 18 | | | | 5.3 |

NEW ZEALAND SEISMOLOGICAL REPORT

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|--------|-----|----|----|-------|--|-------|-------|-------|
| SEP | KM | eS | X | 21 | 14 | 57 | | | | |
| | Origin: | | | 21 | 09 | 52 | 33.3S 178.1W | N | NZ(D) | 5.3 |
| | | | | | | | Additional readings from Brisbane and Charters Towers used to determine epicentre. | | | |
| 13 | GS | eP | Z | 21 | 12 | 30 | | | | |
| | | e | Z | | | 41 | | | | |
| | KP | e(P) | Z | 21 | 12 | 46 | | | | |
| | | e | Z | | | 13 00 | | | | |
| | CT | eS | Z | 21 | 14 | 20 | | | | |
| | WN | e | NE | 21 | 15 | 02 | | | | |
| | | eL | ZNE | | | 15.8 | | | | |
| | CB | e | E | 21 | 15 | 24 | | | | 5.5 |
| | KM | e | X | 21 | 16 | 06 | | | | |
| | GP | e | N | 21 | 16 | 07 | | | | 5.3 |
| | RX | eL | NE | 21 | 18 | | | | | 5.3 |
| | | eL | Z | | | 20 | | | | 5.4 |
| | | M | NE | | | 20 | | | | |
| | Origin: | | | 21 | 10 | 56 | 33.3S 178.1W | 3 16 | 3 15 | 5.3 |
| | | | | | | | Additional readings from Brisbane and Charters Towers used to determine epicentre. | | | |
| 13 | ON | eP | E | 23 | 35 | 17 | | | | |
| | GS | eP | Z | 23 | 35 | 23 | | | | |
| | | e | Z | | | 36 58 | | | | |
| | TU | eP | Z | 23 | 35 | 28 | | | | |
| | | e | Z | | | 36 | | | | |
| | KP | eP | Z | 23 | 35 | 29 | | | | |
| | CT | eP | Z | 23 | 35 | 40 | | | | |
| | | e | Z | | | 47 | | | | |
| | GP | eP | Z | 23 | 36 | 43 | | | | |
| | | eS | Z | | | 39 10 | | | | |
| | WN | e | Z | 23 | 37 | 0 | 1 30 | | | |
| | | eS | NE | | | 38 07 | | | | |
| | | eL | ZNE | | | 38.8 | | | | |
| | | M | ZNE | | | 39 | 11 24 | 6 24 | 14 24 | |
| | MN | eP | Z | 23 | 37 | 36 | | | | |
| | RX | eL | NE | 23 | 40 | 7 | | | | |
| | | eL | Z | | | 42 | | | | |
| | | M | NE | | | 42 | | | | |
| | Origin: | | | 23 | 33 | 32.9 | 31.3S 179.3W | 5 20 | 11 20 | 5.6 |
| | | | | | | | Additional readings from Brisbane and Charters Towers used to determine epicentre. | | | 4.7 |
| 14 | WN | e(SSS) | Z | 00 | 41 | 0 | 2 28 | | | |
| | | eLq | ZNE | | | 43.1 | | | | |
| | | M | NE | | | 43.7 | | | | |
| | | M | Z | | | 44 | 16 25 | | | 16 25 |
| | RX | e(SSS) | NE | 00 | 42 | | | | | |
| | | eLq | NE | | | 45 | | | | |
| | | eLr | Z | | | 47 | | | | |
| | | M | E | | | 47 | | | | 14 20 |
| | | M | N | | | 48 | | | | 6.3 |
| | Origin: | | | 00 | 18 | 33.4 | 3.6S 131.2E | 7 18 | 33km | USCGS |
| | | | | | | | Additional readings from Brisbane and Charters Towers used to determine epicentre. | | | 5.8 |
| 14 | ON | eP | E | 00 | 40 | 02 | | | | |
| | KP | eP | Z | 00 | 40 | 04 | | | | |
| | | i | Z | | | 08.5 | | | | |
| | CT | eP | Z | 00 | 40 | 19 | | | | |
| | | e | Z | | | 24 | | | | |
| | WN | e? | N | 00 | 40 | 49 | | | | |
| | | e? | Z | | | 41 04 | | | | |
| | | e | NE | | | 42 38 | | | | |
| | Origin: | | | 00 | 38 | 07.6 | 30.9S 179.6W | 33km | USCGS | |

NEW ZEALAND STATIONS 1963

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|-----|----|----|----------|--|-------|-------|-------|
| SEP 14 | WP | eP | Z | 03 | 04 | 50 | | | | |
| | | eS | Z | | | 05 40 | | | | |
| | | eP | Z | 03 | 05 | 07 | | | | |
| | EX | eP | Z | 03 | 06 | 07 | | | | |
| | | eS | N | 03 | 05 | 49 | | | | |
| | GP | e | N | | | 07 06 | | | | |
| | | e | N | 03 | 09 | | | | | |
| | WN | eL | ZNE | 03 | 03 | 47 | 3 14 | 4 14 | 3 14 | |
| | Origin: | | | | | | 4.9 | | | 4.9 |
| | | | | | | | Additional readings from Brisbane and Charters Towers used to determine epicentre. | | | |
| 14 | ON | eP | E | 03 | 53 | 58 | | | | |
| | KP | iP | Z | 03 | 54 | 12.0 d | | | | |
| | CT | e | Z | 03 | 54 | 23 | | | | |
| | | i | Z | | | 28.8 u d | 4 9 | | | |
| | WN | eP | Z | 03 | 54 | 47 | | | | |
| | | e | Z | | | 56.0 | | | | |
| | | eS | ZNE | | | 46 | 5 24 | | | 19 24 |
| | | eL | ZNE | | | 57.3 | | | | 90 22 |
| | | M | E | | | 57.7 | 68 18 | | | |
| | | M | Z | | | 58 | | | | 75 23 |
| | | M | N | | | 59 | | | | |
| | EX | eP | ZN | 03 | 56 | 18 | | | | |
| | | eS | ZNE | | | 59 18 | | | | 8 12 |
| | | eLq | NE | 04 | 00 | | | | | 29 24 |
| | | M | NE | | | 01 | | | | 7 21 |
| | | eLr | ZNE | | | 02 | | | | |
| | | M | ZNE | | | 04 | 28 12 | 26 16 | 31 16 | |
| | Origin: | | | 03 | 52 | 16.9 | 31.4S 179.0W | 33km | USCGS | 4.9 |
| 14 | KP | eP | Z | 09 | 38 | 03 | | | | |
| | Origin: | | | 09 | 26 | 46.9 | 25.5N 142.6E | 43km | USCGS | 4.5 |
| 14 | GS | eP | Z | 10 | 02 | 43 | | | | |
| | ON | e? | E | 10 | 02 | 44 | | | | |
| | KP | eP | Z | 10 | 02 | 51 | | | | |
| | WN | eL | Z | 10 | 06 | 8 | 1 24 | | | |
| 14 | WN | eP | Z | 12 | 11 | 11.7 | | | | |
| | | e | Z | | | 13 | | | | |
| | | e | Z | | | 59 | | | | |
| | EX | eL | NE | 12 | 12 | | | | | |
| | WN | eL | Z | 12 | 16 | | | | | |
| 14 | WN | eL | E | 15 | 29 | 6 | | | | |
| | | eL | ZN | | | 32 | | | | |
| | | M | Z | | | 33 | 2 17 | | | |
| | EX | eL | E | 15 | 35 | | | | | |
| | Origin: | | | 15 | 15 | 58.1 | 13.7S 166.4E | 34km | USCGS | 4.3 |
| 14 | KP | eP | Z | 15 | 31 | 03 | | | | |
| | WN | eL | Z | 15 | 42 | | 2 22 | | | |
| | Origin: | | | 15 | 25 | 33.3 | 13.7S 166.3E | 20km | USCGS | 4.5 |
| 14 | KP | eP? | Z | 16 | 25 | 07 | | | | |
| | Origin: | | | 16 | 16 | 51.8 | 33.6S 126.7W | 33km | USCGS | 4.9 |
| 14 | EX | eL | E | 16 | 04 | | | | | |
| | WN | eL | E | 16 | 29 | 5 | | | | |
| | | eL | ZN | | | 30 | | | | |
| | | M | Z | | | 31 | 1 26 | | | |
| 14 | WN | eL | E | 19 | 09 | 6 | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|-----|------|------|--------|--------|--------|-------|
| SEP | | eL ZN | 10 | | | 1 24 | | | |
| 15 | KP | eP | 00 | 52 | 50 | | | | |
| | CT | iP | 00 | 53 | 00.7 | | | | |
| | | eS | 58 | 07 | | | | | |
| | WN | eP | 00 | 53 | 15 | 4 16 | | | |
| | | ePP | NE | 54 | 09 | | | | |
| | | ePPP | NE | 35 | | | | | |
| | | e | NE | 57 | 25 | | 22 20 | 14 9 | 7.2 |
| | | eS | ZNE | 58 | 25 | | 94 12 | 37 14 | 7.1 |
| | | eScP | ZNE | 58.7 | | | | | |
| | | e(SS) | N | 01 | 00.5 | | | | |
| | | eLq | NE | 01 | | | | | |
| | | eLr | ZNE | 02 | | | | | |
| | RX | eP | 00 | 53 | 44 | 39 10 | 28 12 | 3 7 | 7.3 |
| | | e | E | 54 | 11 | | | | |
| | | ePP | Z | 42 | | 36 13 | | | |
| | | eS | ZNE | 59 | 20 | 32 12 | 180 22 | 115 20 | 7.4 |
| | | e(SS) | E | 01 | 01.7 | | | | 7.4 |
| | | eLr | ZNE | 04 | | | | | |
| | | M | E | 06 | | | | | |
| | | M | N | 07 | | | 450 15 | 350 18 | |
| | | M | Z | 09 | | | | | 7.4 |
| | Origin: | | 00 | 46 | 54.1 | 320 14 | | | |
| | | | | | | 10.3S | 165.6E | 43km | USCGS |
| 15 | KP | eP | 02 | 03 | 32 | | | | 6.3 |
| | WN | eP | 02 | 03 | 58 | | | | |
| | Origin: | | 01 | 57 | 24 | 9.4S | 167.0E | 33km | USCGS |
| 15 | KP | eP | 02 | 02 | 08 | | | | |
| | CT | eP | 02 | 02 | 21 | | | | |
| | WN | eP | 02 | 02 | 40 | | | | |
| 15 | ON | eP? | 02 | 04 | 03 | | | | |
| | KP | eP | 02 | 04 | 06 | | | | |
| | WN | e(s) | 02 | 06 | 43 | | | | |
| | | eL | N | 09.5 | | | | | |
| | | eL | E | 11.6 | | | | | |
| | | M | NE | 13 | | | 40 26 | 33 22 | |
| | RX | eL | N | 02 | 10 | | | | |
| | | eL | E | 12 | | | | | |
| | | M | N | 15 | | | 41 25 | | |
| | | M | E | 16 | | | | 32 18 | |
| | Origin: | | 02 | 02 | 08 | 32.0S | 178.7W | 33km | USCGS |
| 15 | KP | eP | 04 | 56 | 22 | | | | |
| | Origin: | | 04 | 50 | 21.5 | 10.2S | 165.3E | 31km | USCGS |
| 15 | KP | eP | 08 | 22 | 19 | | | | |
| 15 | ON | eP? | 08 | 32 | 54 | | | | |
| | KP | eP | 08 | 33 | 03 | | | | |
| | WN | eLq | 08 | 33 | 07 | | | | |
| | RX | eLq | NE | 08 | 36 | | | 4 22 | |
| | | eLq | NE | 08 | 39 | | | | |
| | Origin: | | 08 | 31 | 10 | 30.4S | 179.3W | 33km | USCGS |
| 15 | KP | eP | 09 | 13 | 35 | | | | |
| | WN | eLq | E | 09 | 21 | | | | |
| | | eLr | N | 24 | | | | | |
| | RX | eLq | E | 09 | 23 | | | | |
| | | eLr | N | 25 | | | | | |
| | Origin: | | 09 | 08 | 09.1 | 13.8S | 166.4E | 36km | USCGS |
| 15 | KP | eP | 11 | 04 | 30 | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|----|------|------|-------|--------|-------|---|
| | | eLq | 11 | 10 | | | | | |
| | | eLr | 12 | | | | | 4 26 | 5.5 |
| | | M | 11 | 12 | | | | | |
| | RX | eLq | 14 | | | | | 3 15 | 5.4 |
| | | eLr | 15 | | | | | | |
| | | M | | | | | | | |
| 15 | KP | eP | 22 | 03 | 01 | | | | |
| | WN | eL | 22 | 08 | | 1 16 | | | |
| 15 | KP | eP | 01 | 55 | 13 | | | | |
| | CT | eP | 01 | 55 | 25 | | | | |
| | WN | eLr | 02 | 04.6 | | 1 16 | | | |
| | | M | 09 | | | | | | |
| | RX | e(Lr) | 02 | 08 | | | | | |
| | | eLr | 09 | | | | | | |
| | Origin: | | 01 | 49 | 13.7 | 10.2S | 165.3E | 33km | USCGS |
| 15 | OS | eP | 03 | 34 | 17 | | | | |
| | | e | 35 | 29 | | | | | |
| | TU | eP | 03 | 34 | 21.4 | | | | |
| | | e | 35 | 38 | | | | | 4.6 |
| | | e | 03 | 34 | 25 | | | | |
| | ON | eP | 03 | 34 | 28 | | | | |
| | KP | eP | 03 | 34 | 48 | | | | |
| | CT | e | 35 | 15.4 | | | | | |
| | | e | 36 | 05 | | | | | |
| | OP | eS | 03 | 37 | 51 | | | | 5.4 |
| | Origin: | | 03 | 32 | 43 | 33S | 178.1W | N | NZ(D) |
| | | | | | | | | | 5.0 |
| | | | | | | | | | Additional readings from Charters Towers used to determine epicentre. |
| 15 | OS | eP | 08 | 29 | 10 | | | | |
| | | eP | 39 | | | | | | |
| | TU | eP | 08 | 29 | 16 | | | | |
| | | eS | 30 | 33 | | | | | |
| | KP | eP | 08 | 29 | 19 | | | | |
| | ON | eP | 08 | 29 | 21 | | | | 4.6 |
| | CT | e | 08 | 29 | 41 | | | | |
| | | eP | 50 | | | | | | |
| | | eS | 31 | 07 | | | | | |
| | TA | e | 08 | 29 | 50 | | | | |
| | WI | eP? | 08 | 31 | 31 | | | | |
| | WI | eS | NE | 08 | 31 | 40 | | | 5.4 |
| | | eL | 33 | | | | | | |
| | OP | eS | N | 08 | 32 | 49 | | | |
| | Origin: | | 08 | 27 | 36 | 33S | 178W | N | NZ(D) |
| | | | | | | | | | 5.1 |
| | | | | | | | | | Additional readings from Charters Towers used to determine epicentre. |
| 15 | KP | eP | 16 | 42 | 19 | | | | |
| | WN | eL | 16 | 52 | | | | | |
| | | M | 53 | | | 1 18 | | | |
| | Origin: | | 16 | 36 | 32.0 | 13.4S | 166.6E | 28km | USCGS |
| 15 | OS | eP | 18 | 21 | 53 | | | | |
| | | e | 22 | 18 | | | | | |
| | | e | 23 | 15 | | | | | |
| | TU | e | 18 | 22 | 13 | | | | |
| | | e | 23 | 27 | | | | | |
| | KP | e | 18 | 22 | 17 | | | | |
| | | eP | 23 | 18 | | | | | |
| | ON | e | 18 | 22 | 23 | | | | 4.7 |
| | CT | e | 18 | 22 | 28 | | | | |
| | | e | 23 | 52 | | | | | |
| | TA | e | 18 | 22 | 51 | | | | |

NEW ZEALAND SEISMOLOGICAL REPORT 1963

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|---------------------|-----|------------------------|---|--------|-------|-------|
| SEP | GP | eS | N | 06 52 48 | | | | |
| | Origin: | | | 06 47 35 | 33 $\frac{1}{2}$ S 177 $\frac{1}{2}$ W | N | NZ(D) | 5.1 |
| | | | | | Additional readings from Charters Towers used to determine epicentre. | | | 5.2 |
| 18 | KP | eP | Z | 08 08 21 | 10.3S | 165.6E | 33km | USCGS |
| | Origin: | | | 08 02 21.1 | | | | |
| 18 | KP | eP | Z | 09 19 41 | 14.8S | 167.7E | 119km | USCGS |
| | Origin: | | | 09 14 36.1 | | | | |
| 18 | KP | ePKP ₁ | Z | 17 18 09 | | | | |
| | | e(PKP) ₂ | Z | 30 | | | | |
| | WN | ePKP | Z | 17 18 09 | | | | |
| | | e(SPP) | Z | 35.3 | 2 7 | | | |
| | | e(SS) | Z | 42.1 | | | | |
| | | e(Lq) | N | 18 02 | | | | |
| | | eLq | E | 05 | | | | |
| | | eLr | Z | 12 | | | | |
| | | M | ZNE | 15 | | | | |
| | RX | eL | E | 18 18 | 2 32 | 2 34 | 2 34 | |
| | Origin: | | | 16 58 12.5 | 40.9N | 29.2E | 33km | USCGS |
| 18 | KP | eP | Z | 17 26 30 | 3.3S | 139.9E | 90km | USCGS |
| | Origin: | | | 17 18 00.8 | | | | |
| 19 | KP | eP | Z | 09 03 04 | 22.0S | 179.6W | 563km | USCGS |
| | Origin: | | | 08 59 40.6 | | | | |
| 19 | KP | eP | Z | 19 34 17 | 15.2S | 167.6E | 161km | USCGS |
| | Origin: | | | 19 29 17.0 | | | | |
| 20 | KP | eP | Z | 19 12 10 $\frac{1}{2}$ | 1.6N | 127.1E | 97km | USCGS |
| | Origin: | | | 19 02 15.5 | | | | |
| 21 | WN | eL | Z | 00 51 | | | | |
| 21 | WN | eL | Z | 04 30 | | | | |
| 21 | CT | eP | Z | 16 31 08 $\frac{1}{2}$ | | | | |
| | | e | Z | 13 | | | | |
| | | eS | Z | 34 16 | | | | |
| | WN | eS | ZNE | 16 34 49 | 23.0S | 179.8E | 483km | USCGS |
| | Origin: | | | 16 28 04.7 | | | | |
| 22 | CT | eP | Z | 02 21 13 | | | | |
| | WN | eL | Z | 02 27.5 | | | | |
| | | M | Z | 29 | 1 24 | | | |
| | RX | eL | E | 02 30 | 16.3S | 178.5E | 33km | USCGS |
| | Origin: | | | 02 16 08.6 | | | | |
| 22 | KP | eP | Z | 03 00 45 | | | | |
| | CT | iP | Z | 03 00 59.6 u | | | | |
| | WN | eP | ZNE | 03 01 20 | 8 12 | 5 10 | | |
| | | eS | ZNE | 05 32 | 13 11 | 13 28 | 15 14 | |
| | | eLr | ZN | 07.0 | 29 28 | 23 32 | | |
| | RX | eP | ZN | 03 02 04 | | | | |
| | | eS | NE | 06 40 | | 7 15 | | |
| | | eL | ZNE | 09 | | | | |
| | | M | NE | 12 | | 10 17 | 10 18 | |
| | Origin: | | | 02 56 24.3 | 19.3S | 175.9E | 28km | USCGS |
| 22 | KP | eP | Z | 19 26 18 | | | | |
| | CT | iP | Z | 19 26 33.9 | | | | |

NEW ZEALAND STATIONS 1963

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|-----|-------|--|------------|-------|--------|--------|-------|
| | | | | 19 26 54 | 3 12 | | | 5.9 |
| | | | | 31 00 | 4 13 | 8 20 | 7 12 | 6.0 |
| | | | | 36 | 6 22 | | | |
| | | | | 32 | | | | |
| | | | | 33 | 6 15 | 7 15 | | |
| | | | | 36 | | | | |
| | | | | 19 27 37 | | | | |
| | | | | 32 16 | | | | |
| | | | | 35 | | | | |
| | | | | 36 | | | | |
| | | | | 19 21 57.1 | 19.2S | 175.9E | 24km | USCGS |
| | | | | 23 47 20 | | | | |
| | | | | 49 45 | | | | |
| | | | | 23 47 31 | | | | |
| | | | | 23 47 40 | | | | |
| | | | | 49 20 | | | | |
| | | | | 48 04 | | | | |
| | | | | 50 03 | | | | |
| | | | | 07 34 | | | | |
| | | | | 39 | 1 24 | | | |
| | | | | 06 40 36.5 | 16.6S | 28.6E | 33km | USCGS |
| | | | | 09 31 24 | | | | |
| | | | | 41 36 | 1 26 | | | |
| | | | | 48 | | | | |
| | | | | 55 | | | | |
| | | | | 56 | | | | |
| | | | | 56 | 3 32 | | 6 32 | |
| | | | | 09 54 | | | | |
| | | | | 09 01 56.8 | 16.6S | 28.8E | 33km | USCGS |
| | | | | 10 05 56 | | | | |
| | | | | 09 58 46.0 | 5.6S | 153.8E | 80km | USCGS |
| | | | | 17 15 30 | | | | |
| | | | | 17 48 | | | | |
| | | | | 17 02 36.6 | 51.3N | 179.2W | 33km | USCGS |
| | | | | 23 17 | | | | |
| | | | | 22 23 37.7 | 16.6S | 28.7E | 33km | USCGS |
| | | | | 10 07 | | | | |
| | | | | 09 13 38 | 16.6S | 28.7E | 33km | USCGS |
| | | | | 16 43 37 | | | | |
| | | | | 17 00 27 | | | | |
| | | | | 16 43 36 | 5 34 | | | 6.5 |
| | | | | 47 32 | 7 36 | | | 6.6 |
| | | | | 54 40 | | | | |
| | | | | 56 06 | 7 38 | | | |
| | | | | 58 38 | 7 30 | | | |
| | | | | 17 01 45 | 13 52 | | | |
| | | | | 08 35 | 13 48 | | | |
| | | | | 10.7 | 13 48 | | | |
| | | | | 14 | | | | |
| | | | | 15 | 48 32 | 27 26 | 37 34 | |
| | | | | 16 47.8 | | | | |
| | | | | 54.4 | | | | |
| | | | | 56.6 | | | | |
| | | | | 17 01.9 | | 6 30 | 125 25 | |
| | | | | 12 | | 6 28 | 7 30 | |
| | | | | 15 | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|---|----|----|------|-------|--------|-------|-------|
| SEP 28 | KP | eP | Z | 21 | 29 | 13 | | | | |
| | CT | eP | Z | 21 | 29 | 14 | | | | |
| 28 | KP | eP | Z | 23 | 16 | 29 | | | | |
| | WN | eL | Z | | 27 | | | | | |
| | Origin: | | | 23 | 11 | 01.2 | 13.4S | 166.3E | 53km | USCGS |
| 29 | RX | eP | N | 02 | 59 | 01 | | | | |
| | | eS | E | 03 | 02 | 14 | | | | |
| | eL | ZNE | | 03 | | | | | | |
| | M | ZN | | 04 | | | 15 18 | 13 20 | | |
| | M | E | | 05 | | | | | | |
| | WN | eP | Z | 02 | 59 | 59 | 3 14 | | 16 12 | |
| | eS | ZE | | 03 | 04 | 10 | | | | |
| | e | N | | | 22 | | | | | |
| | eL | ZE | | 05 | | | | | | |
| | M | ZNE | | 07 | | | 22 19 | 17 15 | 17 15 | |
| | CT | eP | Z | 03 | 00 | 24 | | | | |
| | KP | eP | Z | 03 | 00 | 43 | | | | |
| | Origin: | | | 02 | 55 | 05 | 62.0S | 163.5E | 33km | USCGS |
| 29 | MN | eP | Z | 04 | 36 | 41 | | | | |
| | | eS | Z | | 37 | 21 | | | | |
| | RX | eP | Z | 04 | 36 | 55 | | | | |
| | eS | Z | | 37 | 49 | | | | | |
| | GP | e? | N | 04 | 37 | 52 | | | | |
| | eS? | N | | | 38 | 59 | | | | |
| | Origin: | | | 04 | 35 | 45 | 49S | 165E | N | NZ(D) |
| 29 | KP | eP | Z | 04 | 52 | 13 | | | | |
| | CT | eP | Z | 04 | 52 | 27 | | | | |
| 29 | CT | eP? | Z | 10 | 09 | 30 | | | | |
| | | eS | Z | | 11 | 40 | | | | |
| | GS | eS | Z | 10 | 10 | 57 | | | | |
| | Origin: | | | 10 | 06 | 43.4 | 28.8S | 177.8W | 116km | USCGS |
| 29 | MN | eP | Z | 19 | 45 | 24 | | | | |
| | KP | eP | Z | 19 | 45 | 25.5 | | | | |
| | CT | eP | Z | 19 | 45 | 33 | | | | |
| | WN | e | Z | 19 | 56 | 7 | | | | |
| | eLr | Z | | 20 | 06 | 5 | | | | |
| | M | Z | | | 09 | | 3 32 | | | |
| | Origin: | | | 19 | 35 | 01.6 | 6.0N | 125.3E | 117km | USCGS |
| 29 | CT | eP | Z | 20 | 41 | 25 | | | | |
| | KP | eP | Z | 20 | 41 | 28 | | | | |
| | Origin: | | | 20 | 31 | 10.1 | 21.6N | 142.9E | 325km | USCGS |
| 29 | KP | ePKP | Z | 22 | 37 | 24 | | | | |
| | Origin: | | | 22 | 16 | 38.6 | 36.1N | 18.0E | 47km | USCGS |
| 30 | KP | eP | Z | 00 | 57 | 35 | | | | |
| | e | Z | | | 50 | | | | | |
| | GS | eP | Z | 00 | 57 | 39 | | | | |
| 30 | KP | eP | Z | 09 | 03 | 56 | | | | |
| | MN | eP | Z | 09 | 04 | 00 | | | | |
| | CT | eP | Z | 09 | 04 | 07 | | | | |
| | Origin: | | | 08 | 54 | 15.0 | 1.3S | 128.5E | 30km | USCGS |
| 30 | KP | eP | Z | 09 | 47 | 08 | | | | |
| | Origin: | | | 09 | 42 | 28.1 | 14.7S | 177.5W | 362km | USCGS |
| OCT 2 | KP | eP | Z | 03 | 38 | 46 | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|-----|----|----|------|-------|--------|-------|-------|
| SEP 28 | MN | eP | Z | 03 | 39 | 14 | | | | |
| | GS | eP | Z | 03 | 39 | 59 | | | | |
| | WN | ePP | Z | 03 | 40 | 52 | | | | |
| | eS | Z | | 45 | 12 | | | | | |
| | e | Z | | 48 | 52 | | | | | |
| | eLr | Z | | 50 | 8 | | | | | |
| | M | Z | | 51 | | | | | | |
| | Origin: | | | 03 | 31 | 27.0 | 4 28 | 152.0E | 65km | USCGS |
| 2 | KP | eP | Z | 05 | 51 | 30 | | | | |
| | GS | eP | Z | 05 | 51 | 29.5 | | | | |
| | e(pP) | Z | | 48 | | | | | | |
| | WN | eP | Z | 05 | 52 | 05 | | | | |
| | e(pP) | N | | | 27 | | | | | |
| | eS | E | | 56 | 12 | | | | | |
| | eSS | Z | | 57 | 10 | | 3 20 | | | |
| | e | ZE | | 58 | 05 | | | | | |
| | eLr | ZNE | | 59 | | | | | | |
| | M | E | | 59 | | | | | | |
| | M | ZN | | 06 | 00 | | 16 18 | 13 20 | 3 14 | |
| | M | Z | | 05 | 53 | 00 | | | | |
| | HK | eP | NE | 06 | 00 | | | | | |
| | eLr | Z | | 03 | | | | | | |
| | M | E | | 04 | | | | | | |
| | M | ZN | | 05 | | | 34 26 | 15 28 | 20 30 | |
| | WN | eP | Z | 05 | 53 | 04 | | | | |
| | Origin: | | | 05 | 47 | 05.5 | 20.8S | 174.1W | 33km | USCGS |
| 2 | KP | eP | Z | 09 | 22 | 18 | | | | |
| | Origin: | | | 09 | 19 | 14 | 23.5S | 179.7E | 626km | USCGS |
| 2 | KP | eP | Z | 17 | 02 | 14 | | | | |
| | Origin: | | | 16 | 57 | 47 | 20.0S | 175.1W | 33km | USCGS |
| 3 | ON | eP | E | 07 | 54 | 37 | | | | |
| | KP | eP | Z | 07 | 54 | 39 | | | | |
| | GS | eS | Z | 07 | 56 | 02 | | | | |
| | WN | eS | ZNE | 07 | 57 | 20 | | | | |
| | eL | Z | | 08 | 00 | | | | | |
| | Origin: | | | 07 | 52 | 25 | 30.5S | 177.6W | 33km | USCGS |
| 3 | GS | eP | Z | 13 | 59 | 02.5 | | | | |
| | KP | eP | Z | 13 | 59 | 04 | | | | |
| | Origin: | | | 13 | 53 | 44.1 | 15.3S | 173.4W | 36km | USCGS |
| 3 | MN | eP | Z | 15 | 59 | 58 | | | | |
| | WN | eP | Z | 16 | 00 | 21 | | | | |
| | e(SP) | Z | | 11 | 00 | | 2 20 | | | |
| | eSS | Z | | 15 | 40 | | 2 8 | | | |
| | eLr | ZN | | 25 | | | 1 20 | | | |
| | M | ZN | | 31 | | | | | | |
| | GS | eP | Z | 16 | 00 | 31 | | | | |
| | KP | eP | Z | 16 | 00 | 35 | | | | |
| | Origin: | | | 15 | 48 | 17.2 | 58.5S | 25.1W | 54km | USCGS |
| 3 | CT | eP | Z | 16 | 13 | 36 | | | | |
| | KP | eP | Z | 16 | 13 | 42 | | | | |
| 3 | MN | eP | Z | 18 | 07 | 36 | | | | |
| | CT | eP | Z | 18 | 08 | 07 | | | | |
| | KP | eP | Z | 18 | 08 | 13 | | | | |
| | Origin: | | | 17 | 55 | 54.2 | 58.6S | 25.5W | 33km | USCGS |
| 3 | KP | eP | Z | 23 | 36 | 47 | | | | |
| | CT | eP | Z | 23 | 37 | 02 | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | | |
|---------|---------|-------|-----|------|------|-------|--------------|--------------|-------|-------|-----|
| OCT | WN | eP | Z | 23 | 37 | 07 | | | | | |
| | | ePP | Z | | 40 | 08 | | | | | |
| | | eS | ZNE | | 47 | 12 | 2 26 | 4 20 | 4 6 | | |
| | | eSS | ZE | | 52 | 58 | 4 24 | | | | |
| | | eLr | ZN | 24 | 04 | | | | 3 22 | | |
| | RX | M | ZNE | | 10 | | 8 21 | 5 22 | | 6.3 | |
| | | eP | Z | 23 | 37 | 08 | | | 3 18 | | |
| | | eS | NE | | 47 | 32 | | | | 6.3 | |
| | | eSS | NE | | 53.1 | | | 5 21 | 4 20 | | |
| | | eLr | N | 24 | 05 | | | | 4 20 | 6.3 | |
| | Origin: | | | E | 06 | | | | | | |
| | Origin: | | | Z | 23 | 24 | 34.7 | 32.2N 131.6E | 33km | USCGS | 5.7 |
| | 4 | GS | eP | Z | 02 | 51 | 56 | | | | |
| | | | eS | Z | | 55 | 14 | | | | |
| | | KP | eP | Z | 02 | 51 | 58.4 | | | | |
| eP | | | Z | 02 | 52 | 31 | | | | | |
| WN | | eS | NE | | 56 | 25 | | | | | |
| | | eLq | E | | 58.4 | | | | | | |
| | | eLr | Z | | 58.8 | | | | | | |
| MN | | M | ZE | | 59 | | 3 18 | | 6 18 | | |
| | | eP | Z | 02 | 53 | 36 | | | | | |
| Origin: | | | Z | 02 | 47 | 32.1 | 20.7S 174.0W | 33km | USCGS | 5.3 | |
| 4 | CT | eP | Z | 03 | 56 | 43 | | | | | |
| | | eP | Z | 03 | 56 | 49 | | | | | |
| | Origin: | | | Z | 03 | 44 | 28.5 | 58.4S 25.0W | 33km | USCGS | 5.2 |
| 5 | GS | eS | Z | 00 | 20 | 04 | | | | | |
| | | eP | Z | 00 | 20 | 05 | | | | | |
| | Origin: | | | Z | 00 | 14 | 52.1 | 15.7S 173.3W | 33km | USCGS | 4.6 |
| 5 | GS | eP | Z | 02 | 00 | 42 | | | | | |
| | | eP | Z | 02 | 00 | 43 | | | | | |
| | WN | eL | Z | 02 | 08 | | | | | | |
| | | M | Z | | 12 | | 5 20 | | | | |
| | Origin: | | | Z | 01 | 55 | 35.2 | 16.0S 173.2W | 79km | USCGS | 5.5 |
| 5 | GS | eP | Z | 05 | 20 | 45 | | | | | |
| | | eP | Z | 05 | 20 | 47 | | | | | |
| Origin: | | | Z | 05 | 15 | 32.4 | 15.9S 173.2W | 33km | USCGS | 4.9 | |
| 5 | KP | eP | Z | 06 | 24 | 01 | | | | | |
| | | eP | Z | 06 | 18 | 37.9 | | | | | |
| Origin: | | | Z | 06 | 18 | 37.9 | 15.6S 173.1W | 33km | USCGS | 4.5 | |
| 5 | KP | eP | Z | 12 | 54 | 34 | | | | | |
| | | eP | N | 12 | 54 | 34 | | | | | |
| | Origin: | | | Z | 12 | 49 | 20.3 | 15.7S 173.6W | 33km | USCGS | 4.2 |
| 6 | CT | eP | Z | 17 | 28 | 02 | | | | | |
| | | eP | Z | 17 | 28 | 06 | | | | | |
| | Origin: | | | Z | 17 | 15 | 33.9 | 33.9S 70.0W | 101km | USCGS | |
| | 7 | KP | eP? | Z | 13 | 17 | 29.8 | | | | |
| iP | | | Z | | | 30.6 | | | | | |
| e | | | Z | | | 34 | | | | | |
| e | | | Z | | | 54 | | | | | |
| GP | | eS | Z | | 20 | 10 | | | | | |
| | | eP | N | 13 | 17 | 31 | | | | | |
| | | eS | N | | 19 | 57.4 | | | | | |
| WN | eScP | N | | 24 | 47 | | | | | | |
| | eScS | N | | 28 | 23 | | | | | | |
| | eP | ZNE | 13 | 18 | 02 | | | | | | |
| | eS | Z | | 20.5 | | 3 40 | | | | | |
| Origin: | | | ZNE | 20 | 57 | | | | | | |

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. | | |
|---------|---------|---------|------|-----|------|-------|--------------|--------------|--------------|-------|-------|
| OCT | RX | 1ScP | ZNE | 24 | 52.7 | | | | | | |
| | | eScS | ZNE | | 28 | 33 | | | | | |
| | | eP | Z | 13 | 18 | 52 | | | | | |
| | | e(S) | Z | | 22 | 22 | | | | | |
| | | eScP | Z | | 25 | 07 | | | | | |
| | WN | eScS | Z | | 28 | 54 | | | | | |
| | | eP | Z | 13 | 19 | 03 | | | | | |
| | | eS | Z | | 22 | 42 | | | | | |
| | Origin: | | | Z | 13 | 14 | 24.6 | 23.6S 179.9E | 550km | USCGS | 5.7 |
| | 6 | KP | eP | Z | 00 | 22 | 21 | | | | |
| | | | eP | Z | 00 | 22 | 23 | | | | |
| | | WN | eP | Z | 00 | 22 | 50 | | 2 19 | | |
| | | | e(S) | Z | | 27 | 22 | | 3 38 | | |
| | | RX | eL | ZE | | 30 | | | | | |
| | eL | | N | | 31 | | | | | | |
| M | ZNE | | 00 | 23 | 47 | | | 31 26 | 20 24 | 18 26 | 6.1 |
| 8 | KP | eP | Z | 00 | 23 | 47 | | | | | |
| | | eP | ZNE | | 34 | | | | | | |
| | MN | M | NE | | 35 | | | | 18 22 | 9 22 | 6.1 |
| | | M | Z | | 37 | | | | 21 17 | | |
| Origin: | | | Z | 00 | 17 | 01.1 | 15.1S 173.2W | 33km | USCGS | 5.7 | |
| 8 | KP | eP | Z | 23 | 05 | 36 | | | | | |
| | | eP | Z | 23 | 06 | 13 | | | | | |
| | Origin: | | | Z | 23 | 07 | 09 | 19.4S 175.8W | 182km | USCGS | 4.6 |
| 9 | KP | eP | Z | 02 | 58 | 13 | | | | | |
| | | eP | Z | 02 | 58 | 26 | | | | | |
| 9 | GS | eP | Z | 05 | 18 | 12 | | | | | |
| | | e | Z | | 21 | 53 | | | | | |
| | KP | eS | Z | | 22 | 07 | | | | | |
| | | eP | Z | 05 | 18 | 14 | | | | | |
| | WN | eP | ZNE | 05 | 18 | 46 | | | | | |
| eS | | ZNE | | 23 | 06 | | | | | | |
| MN | eL | Z | | 25 | | | | | | | |
| | M | Z | | 29 | | | | 2 20 | | | |
| Origin: | | | Z | 05 | 19 | 41 | 18.6S 173.7W | 33km | USCGS | 4.6 | |
| 9 | KP | eP | Z | 10 | 20 | 15 | | | | | |
| | | eP | Z | 10 | 20 | 28 | | | | | |
| | Origin: | | | ZNE | 10 | 26 | 24 | | | | |
| 9 | CT | e(S) | Z | | 29.2 | | | | | | |
| | | e(L) | Z | | 31 | | | | | | |
| | Origin: | | | Z | | | 3 15 | | | | |
| 9 | KP | eP | Z | 10 | 41 | 20 | | | | | |
| | | eP | Z | 10 | 41 | 20 | | | | | |
| | MN | eP | Z | 10 | 42 | 59 | | | | | |
| | | Origin: | | | Z | 10 | 36 | 53.4 | 20.3S 174.4W | 33km | USCGS |
| 9 | KP | eP | Z | 12 | 59 | 29 | | | | | |
| | | eP | Z | 12 | 59 | 30 | | | | | |
| | WN | eS | Z | 13 | 02 | 06 | | | | | |
| | | eP | ZNE | 13 | 00 | 00 | | | | | |
| | Origin: | | | ZNE | 02 | 57 | | | | | |
| 10 | KP | eP | Z | 10 | 50 | 09.4 | | | | | |
| | | eP | Z | 12 | 09 | 17 | | | | | |
| | Origin: | | | Z | 12 | 04 | 46.6 | 20.2S 175.2W | 25km | USCGS | 4.9 |
| 10 | KP | eP | Z | 14 | 21 | 49 | | | | | |

| Date | Stn | Phase | Z | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. |
|---------|-----------------|-------|-----|----|------|-------|--------|--------|-------|-------|-------|-----|------|
| OCT | RX | eP | Z | 14 | 22 | | | | | | | | |
| | MN | eP | Z | 14 | 22 | | | | | | | | |
| | Origin: | | | 14 | 16 | 31.1 | 12.6S | 167.0E | 223km | | USCGS | | |
| 11 | KP | eP | Z | 01 | 03 | 14 | | | | | | | 4.9 |
| | Origin: | | | 00 | 01 | 13.0 | 24.1S | 179.6W | 437km | | USCGS | | |
| 11 | KP | eP | Z | 09 | 13 | 22 | | | | | | | 4.9 |
| | WN | eP | ZN | 09 | 13 | 50 | | | | | | | |
| | Origin: | | | 09 | 09 | 11 | 18.5S | 179.9W | 247km | | USCGS | | |
| 11 | KP | eP | Z | 16 | 37 | 58 | | | | | | | 5.1 |
| | GS | eP | Z | 16 | 37 | 59 | | | | | | | |
| | WN | eP | Z | 16 | 38 | 26 | | | | | | | |
| | MN | iP | Z | 16 | 39 | 21.1 | | | | | | | |
| | Origin: | | | 16 | 33 | 59.8 | 18.5S | 177.7W | 583km | | USCGS | | |
| 12 | KP | eP | Z | 00 | 41 | 49 | | | | | | | 4.4 |
| | Origin: | | | 00 | 38 | 12 | 18.6S | 179.8E | 347km | | USCGS | | |
| 12 | KP | eP | Z | 11 | 39 | 35 | | | | | | | 4.0 |
| | e | Z | | 11 | 40 | 19 | | | | | | | |
| | WN | eP | Z | 11 | 39 | 50 | 16 | 18 | | | | | |
| | e | Z | | 11 | 49 | 2 | | | | | | | 6.8 |
| | eSKS | ZNE | | 50 | 1 | | 20 | 30 | 44 | 31 | 15 | 22 | |
| | ePS | NE | | 51 | 6 | | | | 58 | 28 | 25 | 28 | |
| | e(SPP) | Z | | 52 | 2 | | | | | | | | |
| | eSS | ZNE | | 56 | 2 | | 48 | 32 | | 55 | 36 | 11 | 22 |
| | eSSS | NE | 12 | 00 | 0 | | | | | | | | |
| | e(Lq) | NE | | 03 | | | | | | | | | |
| | e | ZNE | | 05 | | | 24 | 30 | | 25 | 24 | 49 | 24 |
| | eLr | ZNE | | 12 | | | | | | 50 | 21 | 36 | 21 |
| | RX | eP | ZN | 11 | 40 | 07 | 8 | 14 | | 60 | 18 | | |
| | ePP | ZN | | 43 | 52 | | 6 | 16 | | 6 | 17 | | |
| | eSKS | ZNE | | 50 | 7 | | 11 | 16 | | 59 | 22 | 45 | 24 |
| eSS | ZNE | | 57 | 5 | | 13 | 22 | | 42 | 22 | 34 | 22 | |
| e | N | | 12 | 00 | 8 | | | | | | | | |
| eSSS | ZE | | 01 | 5 | | | | | | | | | |
| e | ZNE | | 04 | | | | | | | | | | |
| e(Lq) | N | | 08 | | | | | | 28 | 26 | | | |
| eLr | ZNE | | 13 | | | | | | | | | | |
| M | ZN | | 15 | | | 61 | 21 | | 80 | 21 | | | |
| M | E | | 16 | | | | | | | | 73 | 22 | |
| Origin: | | | 11 | 26 | 57.9 | 44.8N | 149.0E | 40km | | USCGS | | 7.0 | |
| 13 | KP | eP | Z | 05 | 30 | 37 | | | | | | | 6.1 |
| | CT | eP | Z | 05 | 30 | 42 | | | | | | | |
| | WN | eP | Z | 05 | 30 | 51 | | | | | | | 8.1 |
| | e | E | | 39 | 40 | | | | | | | | |
| | e | N | | 40 | 20 | | | | | | | | |
| | eSKS | NE | | 41 | 32 | | | | | | 66 | 18 | |
| | e(PS) | E | | 42 | 5 | | | | | | | | |
| | eW ₂ | E | | 07 | 10 | | | | | | | | |
| | RX | eP | ZNE | 05 | 31 | 05 | 18 | 7 | | | | | 7.3 |
| | e | NE | | 55 | | | | | | | | | |
| eSKS | ZNE | | 42 | 1 | | 47 | 12 | 140 | 12 | 130 | 15 | 4.8 | |
| Origin: | | | 05 | 17 | 57.1 | 44.8N | 149.5E | 60km | | USCGS | | | |
| 13 | CT | eP | Z | 05 | 56 | 52 | | | | | | | 5.5 |
| | Origin: | | | 05 | 42 | 14 | 46.5N | 151.6E | 55km | | USCGS | | |
| 13 | KP | eP | Z | 06 | 18 | 04.4 | | | | | | | 5.3 |
| | Origin: | | | 06 | 05 | 29.5 | 45.9N | 151.9E | 55km | | USCGS | | |
| 13 | KP | e(P) | Z | 06 | 21 | 36 | | | | | | | |

| Date | Stn | Phase | Z | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. |
|---------|---------|-------|----|----|------|-------|--------|--------|-------|-------|-------|----|------|
| OCT | | eP | Z | | | 49 | | | | | | | |
| | Origin: | | | 06 | 09 | 02.2 | 45.3N | 151.3E | 60km | | USCGS | | 5.6 |
| 13 | KP | eP | Z | 07 | 01 | 05 | | | | | | | 5.2 |
| | Origin: | | | 06 | 48 | 26.3 | 45.5N | 151.8E | 55km | | USCGS | | |
| 13 | KP | eP | Z | 07 | 16 | 00 | | | | | | | 5.6 |
| | Origin: | | | 07 | 03 | 23.8 | 45.5N | 150.6E | 50km | | USCGS | | |
| 13 | KP | eP | Z | 13 | 10 | 57 | | | | | | | 5.4 |
| | Origin: | | | 12 | 58 | 21.6 | 45.0N | 150.1E | 50km | | USCGS | | |
| 13 | KP | eP | Z | 14 | 38 | 47 | | | | | | | 5.1 |
| | Origin: | | | 14 | 26 | 11.9 | 44.5N | 149.5E | 50km | | USCGS | | |
| 13 | KP | eP | Z | 16 | 12 | 02 | | | | | | | 6.1 |
| | CT | e(P) | Z | 16 | 12 | 35 | | | | | | | |
| | Origin: | | | 15 | 59 | 52.9 | 45.6N | 150.5E | 35km | | USCGS | | |
| 13 | KP | eP | Z | 19 | 40 | 15 | | | | | | | 5.5 |
| | Origin: | | | 19 | 27 | 38.2 | 45.7N | 151.7E | 45km | | USCGS | | |
| 13 | KP | eP | Z | 24 | 04 | 57 | | | | | | | 5.5 |
| | WN | eSP | Z | 24 | 17 | 0 | 2 | 20 | | | | | |
| | eLr | Z | | 37 | | | | | | | | | |
| | M | Z | | 40 | | | | | | 7 | 20 | | |
| | Origin: | | | 23 | 52 | 22.8 | 44.5N | 150.1E | 50km | | USCGS | | |
| 14 | KP | eP | Z | 04 | 18 | 39 | | | | | | | 5.3 |
| | epP | Z | | 52 | | | | | | | | | |
| | Origin: | | | 04 | 31 | 0 | | | | | | | |
| 14 | WN | eSP | Z | 04 | 31 | 0 | | | | | | | 5.3 |
| | eSS | Z | | 35 | 7 | | | | | | | | |
| | eLr | Z | | 48 | | | | | | | | | |
| | M | Z | | 51 | | | | | | 2 | 23 | | |
| Origin: | | | 04 | 06 | 01.7 | 44.9N | 150.2E | 50km | | USCGS | | | |
| 14 | KP | eP | Z | 04 | 23 | 49 | | | | | | | 5.3 |
| | Origin: | | | 04 | 11 | 14.0 | 44.7N | 150.6E | 45km | | USCGS | | |
| 14 | KP | eP | Z | 04 | 25 | 40 | | | | | | | 5.2 |
| | Origin: | | | 04 | 13 | 03.1 | 44.9N | 150.7E | 40km | | USCGS | | |
| 14 | KP | eP | Z | 09 | 26 | 22 | | | | | | | 5.2 |
| | Origin: | | | 09 | 22 | 06.6 | 49.0S | 169.0E | 160km | | USCGS | | |
| 14 | KP | eP | Z | 13 | 34 | 17 | | | | | | | 5.9 |
| | CT | eP | Z | 13 | 34 | 31 | | | | | | | |
| | WN | eP | Z | 13 | 34 | 31 | | | | 2 | 12 | | |
| | ePP | Z | | 38 | 0 | | | | | | | | |
| | e(SKS) | ZNE | | 45 | 0 | | 3 | 40 | | | | | |
| | eLr | Z | | 14 | 02 | | | | | | | | |
| | eLr | E | | 03 | | | | | | | | | |
| | eLr | N | | 05 | | | | | | | | | |
| | M | ZNE | | 09 | | | 6 | 20 | | 5 | 20 | 4 | 22 |
| | Origin: | | | 13 | 34 | 47 | | | | | | | |
| 14 | eS | N | | 45 | 3 | | | | | | 3 | 22 | |
| | eL | NE | | 14 | 06 | | | | | | | | |
| | Origin: | | | 13 | 21 | 45.2 | 44.8N | 151.0E | 60km | | USCGS | | |

| Date | Stn | Phase | | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. |
|--------|---------|---------|------|----|----|------|-------|--------|-------|-------|----|----|------|
| OCT 14 | KP | eP | Z | 14 | 57 | 09 | | | | | | | |
| | | eL | Z | 15 | 16 | | | | | | | | |
| | | M | Z | | 21 | | 2 24 | | | | | | |
| | Origin: | | | 14 | 47 | 30.9 | 3.3S | 126.7E | 33km | USCGS | | | |
| 14 | KP | eP | Z | 18 | 02 | 50 | | | | | | | |
| | | Origin: | | 17 | 50 | 15.3 | 45.2N | 151.3E | 60km | USCGS | | | |
| 14 | KP | eP | Z | 22 | 13 | 11 | | | | | | | |
| | | CT | Z | 22 | 13 | 26 | | | | | | | |
| | | WN | e(L) | Z | 22 | 19 | | | | | | | |
| | | Origin: | | 22 | 08 | 27.1 | 17.0S | 173.9E | 33km | USCGS | | | |
| 14 | KP | eP | Z | 23 | 03 | 16 | | | | | | | |
| | | CT | Z | 23 | 04 | 01 | | | | | | | |
| | | WN | e(S) | Z | 23 | 08.9 | | | | | | | |
| | | | e(L) | Z | | 09.8 | | | | | | | |
| | | Origin: | | | 13 | | 2 14 | | | | | | |
| | Origin: | | | 22 | 59 | 05.4 | 17.0S | 173.8E | 33km | USCGS | | | |
| 15 | KP | eP | Z | 07 | 11 | 26 | | | | | | | |
| | | WN | e(L) | Z | 07 | 17.8 | | | | | | | |
| | | | M | Z | | 23 | | 2 16 | | | | | |
| | | Origin: | | | 38 | | 2 20 | | | | | | |
| | Origin: | | | 07 | 06 | 59.9 | 20.5S | 173.9W | 33km | USCGS | | | |
| 15 | KP | ePKP | Z | 10 | 19 | 17 | | | | | | | |
| | | WN | e | Z | 11 | 01.0 | | 1 28 | | | | | |
| | | | eLr | Z | | 14 | | | | | | | |
| | | Origin: | | | 24 | | 1 20 | | | | | | |
| | Origin: | | | 09 | 59 | 30.1 | 67.2N | 18.4W | 33km | USCGS | | | |
| 15 | KP | eP | Z | 10 | 59 | 48 | | | | | | | |
| | | WN | eP | Z | 11 | 00 | 01 | | | | | | |
| | | Origin: | | 10 | 47 | 12.6 | 44.6N | 149.0E | 50km | USCGS | | | |
| 15 | KP | eP | Z | 14 | 01 | 01 | | | | | | | |
| | | CT | Z | 14 | 01 | 15 | | | | | | | |
| | | WN | eL | Z | 14 | 08 | | 1 28 | | | | | |
| | | Origin: | | 13 | 56 | 19.1 | 17.1S | 173.9E | 33km | USCGS | | | |
| 15 | KP | eP | Z | 21 | 54 | 25 | | | | | | | |
| | | CT | Z | 21 | 54 | 30 | | | | | | | |
| | | WN | eS | Z | 22 | 02.1 | | | | | | | |
| | | | eLr | Z | | 14 | | | | | | | |
| | | Origin: | | | 20 | | 9 20 | | | | | | |
| | Origin: | | | 21 | 44 | 58.0 | 3.0S | 129.9E | 27km | USCGS | | | |
| 16 | KP | eP | Z | 05 | 28 | 13 | | | | | | | |
| | | epP | Z | | 28 | | | | | | | | |
| | Origin: | | | 05 | 15 | 36.1 | 44.8N | 150.4E | 33km | USCGS | | | |
| 16 | KP | eP | Z | 07 | 16 | 22 | | | | | | | |
| | | CT | Z | 07 | 16 | 33 | | | | | | | |
| | | Origin: | | 07 | 12 | 57.9 | 22.2S | 179.5W | 539km | USCGS | | | |
| 16 | KP | eP | Z | 12 | 57 | 29 | | | | | | | |
| | | Origin: | | 12 | 47 | 44.2 | 1.8S | 127.9E | 33km | USCGS | | | |
| 16 | KP | eP | Z | 14 | 00 | 45 | | | | | | | |
| | | WN | eLr | Z | 14 | 09.0 | | | | | | | |
| | | | M | Z | | 10 | | 3 26 | | | | | |
| | | Origin: | | 13 | 55 | 26.2 | 15.1S | 173.6W | 33km | USCGS | | | |
| 16 | KP | ePKP | Z | 16 | 01 | 52 | | | | | | | |

| Date | Stn | Phase | | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. |
|--------|---------|---------|-----|----|------|--------|--------|--------|-------|-------|--------|-----------|-------|
| OCT 16 | WN | ePP | Z | 16 | 03 | 28 | | | | | | | |
| | | eLr | Z | | 42 | | | | | | | | |
| | | M | Z | | 50 | | 7 28 | | | | | | |
| | Origin: | | | 15 | 43 | 00.8 | 38.6N | 73.4E | 33km | USCGS | | 5.9 | |
| 17 | KP | eP | Z | 03 | 15 | 45 | | | | | | | |
| | | Origin: | | 03 | 05 | 50.2 | 11.6N | 140.6E | 70km | USCGS | | | 5.1 |
| 17 | KP | eP | Z | 11 | 40 | 20 | | | | | | | |
| | | Origin: | | 11 | 35 | 30.7 | 17.3S | 168.0E | 33km | USCGS | | | 4.3 |
| 17 | KP | eP | Z | 14 | 24 | 45.1 | | | | | | | |
| | | Origin: | | 14 | 24 | 52 | | | | | | | |
| 17 | WN | eLr | Z | 14 | 49 | | | | | | | | |
| | | M | Z | | 49 | | 1 26 | | | | | | |
| | | Origin: | | 14 | 13 | 59.8 | 9.8N | 126.5E | 33km | USCGS | | | 5.4 |
| | | | | | | | | | | | | | |
| 17 | KP | eP | Z | 23 | 37 | 17 | | | | | | | |
| | | Origin: | | 23 | 37 | 32 | | | | 2 12 | | | |
| 17 | WN | e(SKS) | Z | | 48 | 16 | | | | | | | |
| | | e(SP) | Z | | 49 | 08 | | | | | | | |
| | | eSS | Z | | 54.2 | | 4 30 | | | | | | |
| | | Origin: | | 24 | 05 | 09 | | | | | | | |
| 18 | EX | eSKS | NE | 23 | 48 | 45 | | | | 6 18 | | | |
| | | eSS | NE | | 54 | 50 | | | | 5 22 | | 4 24 | |
| | | eLq | E | | 03.3 | | | | | | 5 30 | | |
| | | Origin: | | 23 | 24 | 34.4 | 44.6N | 149.0E | 45km | USCGS | | 7 21 | 6.2 |
| | | | | | | | | | | | | 5.4 | |
| 18 | CT | eP | Z | 21 | 48 | 22 | | | | | | | |
| | | Origin: | | 21 | 26 | 55.0 | 5.3S | 103.5E | 33km | USCGS | | | 5.1 |
| 20 | KP | eP | Z | 01 | 05 | 44 | | | | | | | |
| | | Origin: | | 01 | 05 | 50 | | | | | | | |
| 20 | CT | eP | Z | 01 | 05 | 58 | | | | | | | |
| | | Origin: | | 01 | 06 | 18 | | | | | | | |
| 20 | WN | eP | Z | 01 | 06 | 18 | | | | | | | |
| | | eSKS | NE | | 16 | 32 | | | | 26 17 | | | |
| | | eSS | NE | | 22.1 | | | | | 74 46 | | | |
| | | Origin: | | | 29.2 | | | | | | | | |
| 20 | EX | eLr | NE | | 34 | | | | | | | | |
| | | M | NE | | 40 | | | | | | | | |
| | | eP | ZNE | 01 | 06 | 27 | | | | 12 15 | | 4 17 | |
| | | Origin: | | 01 | 06 | 27 | | | | 21 18 | | 60 20 | 37 30 |
| 20 | WN | e | Z | | 27.6 | | | | | | | | |
| | | eLq | E | | 36 | | | | | | | | |
| | | eLr | ZN | | 39 | | | | | | | | |
| | | Origin: | | | 43 | | | | | | | | |
| | Origin: | | 00 | 53 | 07.2 | 150 21 | | 135 21 | 95 21 | | | 7.1 | |
| | | | | | | 44.7N | 150.7E | 25km | USCGS | | | 6.7-7 PAS | |
| 20 | KP | eP | Z | 03 | 03 | 45 | | | | | | | |
| | | Origin: | | 03 | 03 | 55 | | | | | | | |
| 20 | WN | eP | Z | 03 | 03 | 46.1 | | | | | | | |
| | | Origin: | | 03 | 04 | 14 | | | | | | | |
| 20 | WN | eP | Z | 03 | 05 | 10.8 | | | | | | | |
| | | Origin: | | 03 | 00 | 10.9 | | | | 20.8S | 178.6W | 600km | USCGS |
| 21 | KP | eP | Z | 02 | 35 | 12 | | | | | | | |
| | | eL | Z | 02 | 35 | 30 | | | | | | | |
| | | Origin: | | 02 | 40.5 | | | | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|--------------|--------------|-------|-------|------|
| OCT | | M | Z 42 | 2 18 | | | |
| | Origin: | | 02 31 39.3 | 22.9S 172.1E | 54km | USCGS | 4.6 |
| 21 | KP | eP | Z 09 22 28 | | | | |
| | CT | eS | Z 09 25 44 | | | | |
| | WN | eS | ZNE 09 26 16 | | | | |
| | | eL | ZNE 27 | | | | |
| | | M | E 28 | | | | |
| | | M | Z 30 | 4 18 | | 3 22 | 5.3 |
| | Origin: | | 09 18 46.7 | 23.6S 176.1W | 33km | USCGS | 4.9 |
| 21 | KP | eP | Z 13 28 37 | | | | |
| | GS | eP | Z 13 28 40 | | | | |
| | CT | eP | Z 13 28 52 | | | | |
| | WN | eL | Z 13 30.5 | | | | |
| | | M | Z 33 | 2 20 | | | |
| 21 | KP | eP | Z 13 30 03 | | | | |
| | WN | eS | ZNE 13 33 22 | | | | |
| | Origin: | | 13 27 10.6 | 26.0S 179.9E | 397km | USCGS | 4.5 |
| 21 | KP | eP | Z 15 51 02 | | | | |
| | | epP | Z 17 | | | | |
| | Origin: | | 15 38 24.3 | 45.5N 149.7E | 55km | USCGS | 5.4 |
| 21 | KP | eP | Z 17 33 17 | | | | |
| | Origin: | | 17 20 46.0 | 44.1N 150.3E | 65km | USCGS | 5.0 |
| 21 | KP | eP | Z 22 58 39 | | | | |
| | GS | eP | Z 22 58 43 | | | | |
| | CT | eP | Z 22 58 51 | | | | |
| 22 | KP | eP | Z 14 12 43 | | | | |
| | Origin: | | 14 07 32 | 16.2S 173.9W | 33km | USCGS | 4.1 |
| 22 | KP | eP | Z 15 41 06 | | | | |
| | CT | eP | Z 15 41 17 | | | | |
| | WN | eL | Z 15 50 | | | | |
| | | M | Z 52 | 4 21 | | | |
| | MN | eP | Z 15 42 05 | | | | |
| | Origin: | | 15 35 26.1 | 11.6S 166.3E | 80km | USCGS | 4.5 |
| 23 | KP | eP | Z 08 01 48 | | | | |
| | CT | eP | Z 08 01 58 | | | | |
| | WN | eP | Z 08 02 13 | | | | |
| | MN | eP | Z 08 02 45 | | | | |
| | Origin: | | 07 56 12.3 | 12.0S 166.5E | 107km | USCGS | 5.0 |
| 23 | KP | eP | Z 09 59 37 | | | | |
| | Origin: | | 09 47 08.1 | 41.2N 144.2E | 50km | USCGS | 5.4 |
| 23 | KP | eP | Z 20 17 24 | | | | |
| | Origin: | | 20 14 29 | 25.9S 178.8W | 343km | USCGS | 4.4 |
| 24 | MN | eP | Z 07 37 25.1 | | | | |
| | RX | eP | Z 07 37 31 | | | | |
| | | e(pP) | Z 43 | | | | |
| | | e | N 54.7 | 4 21 | | | |
| | | eLr | E 08 01.5 | | | | |
| | | eLr | N 05.3 | | | | |
| | | M | NE 08 | 4 17 | | 7 20 | 6.2 |
| | WN | eP | ZNE 07 37 51 | | | | |
| | | e(pP) | ZN 38 02 | | | | |
| | | ePP | ZE 40 47 | | | | |
| | | eS | NE 47.1 | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|--------------|--------------|-------|-------|------|
| OCT | | eSS | ZE 51.9 | 1 24 | | | |
| | | e | Z 55.9 | | | | |
| | | eLq | N 57.0 | 16 20 | 3 28 | 8 20 | 6.3 |
| | | eL | ZNE 08 09 | | | | |
| | | eP | Z 07 37 54 | | | | |
| | | e(pP) | Z 38 05 | | | | |
| | | eP | Z 07 37 (54) | | | | |
| | | eP | Z 40 (48) | | | | |
| | | e(pP) | Z 07 26 23.9 | 4.9S 102.9E | 50km | USCGS | 6.1 |
| | Origin: | | | | | | |
| | | eP | Z 19 59 (17) | | | | |
| | | eP | Z 19 59 28 | | | | |
| | | eP | ZNE 19 59 46 | | | | |
| | | eP | Z 20 00 41 | | | | |
| | | eP | Z 01 35 06 | | | 5 19 | |
| | | e(L) | N 01 39.8 | | | | |
| | | e(Lr) | Z 01 42.0 | | | | |
| | | e(Lr) | E 44 | 7 20 | | 9 14 | |
| | | M | ZE 44 | | 7 14 | | |
| | | e(Lr) | N 45 | 62.3S 156.9E | 33km | USCGS | |
| | Origin: | | 01 30 57 | | | | |
| | | eP | Z 20 08 49 | | | | |
| | | eP | Z 20 08 55.1 | | | | |
| | | eLr | Z 20 27.1 | 4 18 | | | |
| | | M | Z 35 | 12.3N 144.5E | 29km | USCGS | 5.4 |
| | Origin: | | 19 58 58.3 | | | | |
| | | eP | Z 04 08 15 | | | | |
| | | eLr | Z 04 38.2 | 4 22 | | | |
| | | M | Z 41 | 44.5N 150.1E | 55km | USCGS | 5.1 |
| | Origin: | | 03 55 39.7 | | | | |
| | | eP | Z 05 14 04 | | | | |
| | Origin: | | 05 01 31.5 | 43.7N 150.5E | 40km | USCGS | 5.1 |
| | | eP | Z 06 12 20 | | | | |
| | Origin: | | 05 59 44.2 | 44.5N 149.8E | 60km | USCGS | 5.1 |
| | | eP | Z 08 39 09 | | | | |
| | | eP | Z 08 39 23.1 | | | | |
| | Origin: | | 08 34 59.5 | 20.7S 169.0E | 33km | USCGS | 4.2 |
| | | eP | Z 11 34 23 | | | | |
| | | eLr | Z 12 04.5 | 2 22 | | | |
| | | M | Z 06 | 44.7N 149.7E | 55km | USCGS | 5.4 |
| | Origin: | | 11 21 47.6 | | | | |
| | | eP | Z 11 44 30 | | | | |
| | Origin: | | 11 31 53.0 | 44.6N 149.8E | 55km | USCGS | 5.1 |
| | | eP | Z 12 38 55 | | | | |
| | | epP | Z 12 39 26 | | | | |
| | | eP | Z 12 38 55 | | | | |
| | | eP | Z 12 39 25 | | | | |
| | | eP | Z 12 40 20 | | | | |
| | Origin: | | 12 33 50.1 | 15.8S 174.0W | 115km | USCGS | 5.5 |
| | | eP | Z 22 48 59 | | | | |
| | | eP | Z 22 49 12 | | | | |
| | | e | Z 22 58.6 | 2 26 | | | |
| | | eLr | Z 23 00 | | | | |
| | | M | Z 01 | 5 28 | | | |
| | Origin: | | 22 41 29.8 | 5.2S 152.0E | 73km | USCGS | 5.9 |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|-------|-----|----|------|-------|--------|--------|-------|-------|
| OCT 27 | KP | 1P | Z | 05 | 23 | 54.8 | | | | |
| | GS | eP | Z | 05 | 23 | 57 | | | | |
| | Origin: | | | 05 | 20 | 18.4 | 20.6S | 178.6W | 541km | USCGS |
| 27 | KP | 1P | Z | 08 | 49 | 45.6 | | | | |
| | | e | Z | | 51 | 09 | | | | |
| | GS | eP | Z | 08 | 49 | 46 | | | | |
| | | e | Z | | 50 | 18 | | | | |
| | | eS | Z | | 53 | 15 | | | | |
| | WN | eP | Z | 08 | 50 | 13 | | | | |
| MN | 1P | Z | 08 | 51 | 07.7 | | | | | |
| | e(pP) | | | | 52 | 44 | | | | |
| | Origin: | | | 08 | 45 | 43.8 | 17.9S | 178.5W | 586km | USCGS |
| 27 | GS | eP | Z | 10 | 42 | 43 | | | | |
| | | eS | Z | | 45 | 25 | | | | |
| | KP | eP | Z | 10 | 42 | 46 | | | | |
| 27 | MN | eP | Z | 10 | 44 | 24 | | | | |
| | WN | eL | ZNE | 10 | 48 | | | | | |
| | | M | E | | 49 | | | | | |
| | | M | ZN | | 52 | | 8 20 | 4 19 | 4 20 | |
| | Origin: | | | 10 | 38 | 49 | 22.8S | 175.2W | 35km | USCGS |
| 27 | GS | eP | Z | 18 | 28 | 20 | | | | |
| | | eS | Z | | 30 | 48 | | | | |
| | KP | eP | Z | 18 | 28 | 24 | | | | |
| | MN | eP | Z | 18 | 30 | 05 | | | | |
| | WN | eL | ZNE | 18 | 33 | | | | | |
| Origin: | | | | 36 | | 12 17 | 5 19 | 9 22 | | |
| 27 | KP | eP | Z | 19 | 41 | 24 | | | | |
| | GS | eP | N | 19 | 41 | 31.4 | | | | |
| | MN | eP? | Z | 19 | 43 | 04 | | | | |
| | Origin: | | | 19 | 36 | 26.6 | 16.8S | 173.5W | 33km | USCGS |
| 28 | KP | eP | Z | 00 | 47 | 14.4 | | | | |
| | WN | eP | ZNE | 00 | 47 | 19 | | | | |
| | Origin: | | | 00 | 37 | 21 | 1.9N | 124.8E | 232km | USCGS |
| 28 | GS | eP | Z | 07 | 58 | 49 | | | | |
| | | eS | Z | 08 | 01 | 21 | | | | |
| | KP | eP | Z | 07 | 58 | 52 | | | | |
| | WN | eLq | E | 08 | 03 | 6 | | | | |
| | Origin: | | | | 04 | | 26 20 | | 9 32 | |
| 28 | KP | eP | Z | 12 | 16 | 23 | | | | |
| | | epP | Z | | | 36 | | | | |
| | WN | eLr | Z | 12 | 46 | 8 | | | | |
| | Origin: | | | | 49 | | 3 25 | | | |
| 28 | KP | eP? | Z | 20 | 02 | 11.4 | | | | |
| | | eP | Z | | | 15 | | | | |
| | | e | Z | | | 44 | | | | |
| | GS | eP | Z | 20 | 02 | 17 | | | | |
| | | e | Z | | 04 | 08 | | | | |
| WN | eP | ZNE | 20 | 02 | 44 | | | | | |
| | eS | ZNE | | 05 | 37 | | | | | |
| | MN | eP | Z | 20 | 03 | 41 | | | | |
| Origin: | | | 19 | 59 | 15.0 | 24.5S | 179.9E | 532km | USCGS | 5.0 |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | |
|---------|---------|-------|-----|------|------|-------|--------|--------|--------|-------|-----|
| OCT 29 | ON | eP | E | 16 | 58 | 36 | | | | | |
| | KP | eP | Z | 16 | 59 | 10 | | | | | |
| | Origin: | | | 16 | 55 | 49.4 | 26.5S | 177.5W | 65km | USCGS | 4.2 |
| 29 | ON | eP | E | 20 | 25 | | | | | | |
| | KP | eP | Z | 20 | 25 | 25 | | | | | |
| | OT | eP | Z | 20 | 25 | (45) | | | | | |
| | OT | eP | Z | 20 | 27 | 33 | | | | | |
| | MN | eP | NE | 20 | 32 | | | | | | |
| | EX | eL | Z | | 34 | | | | | | |
| Origin: | | | | 34 | | 26.2S | 177.8W | 49km | USCGS | 5.6 | |
| 31 | GS | eP | Z | 03 | 21 | 50 | | | | | |
| | | eS | Z | | 24 | 54 | | | | | |
| | KP | eP | Z | 03 | 21 | 54.4 | | | | | |
| | | eS | Z | | 25 | 18 | | | | | |
| | WN | eP | ZNE | 03 | 22 | 26 | | | | | |
| | | eS | ZNE | | 26 | 03 | | | | | |
| | EX | eP | Z | 03 | 23 | 26 | | | | | |
| | | eS | NE | | 28 | 0 | | | 5 18 | 5 24 | 5.7 |
| | | e(Lr) | NE | | 30 | | | | | | |
| | | eLr | NE | | 32 | | | | | | |
| | Origin: | | | | 32.4 | | 75 17 | 73 16 | 130 17 | | |
| MN | eP | ZN | | 34 | | | | | | | |
| | M | E | | | | | | | | | |
| | M | ZN | | | | | | | | | |
| Origin: | | | 03 | 23 | 29 | 21.8S | 175.0W | 33km | USCGS | 5.2 | |
| 31 | KP | eP | Z | 04 | 28 | 47 | | | | | |
| | | e | Z | | | 50 | | | | | |
| | GS | eP | Z | 04 | 28 | 51 | | | | | |
| | | eS | Z | | 31 | 28 | | | | | |
| | WN | eP | Z | 04 | 29 | 19 | | | | | |
| Origin: | | | | 32 | 18 | | | | | | |
| 31 | ON | eP | Z | 04 | 30 | 16.4 | | | | | |
| | Origin: | | | 04 | 25 | 38.0 | 23.9S | 179.8W | 464km | USCGS | 4.5 |
| | KP | eP | Z | 08 | 55 | 39 | | | | | |
| 31 | WN | eP | Z | 08 | 57 | 02 | | | | | |
| | Origin: | | | 08 | 51 | 42 | 17.9S | 178.8W | 637km | USCGS | 4.3 |
| | KP | eP | Z | 09 | 58 | 20 | | | | | |
| 31 | MN | eP | Z | 09 | 59 | 44 | | | | | |
| | Origin: | | | 09 | 54 | 25 | 19.3S | 177.4W | 555km | USCGS | 3.9 |
| | KP | eP | Z | 10 | 53 | 35 | | | | | |
| 31 | GS | eP | Z | 10 | 53 | 47 | | | | | |
| | Origin: | | | 10 | 47 | 25.3 | 10.5S | 162.0E | 38km | USCGS | 4.8 |
| | KP | eP | Z | 13 | 42 | 11 | | | | | |
| Origin: | | | 13 | 38 | 20 | 22.0S | 169.9E | 33km | USCGS | 3.6 | |
| 31 | KP | eP | Z | 21 | 03 | 21 | | | | | |
| | WN | eP | Z | 21 | 04 | 59 | | | | | |
| | GS | eS | Z | 21 | 06 | 11 | | | | | |
| | Origin: | | | | 07 | 21 | 22.5S | 176.8W | 71km | USCGS | |
| 2 | WN | e | Z | 22 | 48 | 6 | | | | | |
| | | e | Z | | | 51.8 | | | | | |
| | | e(L) | Z | | 23 | 06.0 | | | | | |
| | | eL | ZNE | | 07 | | | | | | |
| | | M | ZNE | | 09 | | | | | | |
| 31 | EX | e | Z | 11 | 21 | | | | | | |
| | | eL | NE | | 23 | 06.0 | | | | | |
| Origin: | | | | 07.6 | | | | | | | |

NEW ZEALAND SEISMOLOGICAL REPORT 1963

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|----|----|------|--|--------|-------|-------|
| NOV | M | ZNE | 08 | | | 5 13 | 8 12 | 15 10 | |
| 7 | GS | eP | Z | 15 | 57 | 12 | | | |
| | | e | Z | 15 | 59 | 52 | | | |
| | KP | eP | Z | 15 | 57 | 25 | | | |
| | MN | eP | Z | 15 | 59 | 04 | | | |
| | Origin: | | 15 | 53 | 41.9 | 24.2S | 176.4W | 33km | USCGS |
| 7 | RX | eS | NE | 17 | 02 | 0 | | | 5.1 |
| | | eL | NE | 08 | | | | | |
| | | eL | Z | 09 | | | | | |
| | Origin: | | 16 | 45 | 59.8 | 50.2S | 114.9W | 33km | USCGS |
| 7 | KP | eP | Z | 20 | 17 | 38 | | | 4.7 |
| | GS | eP | Z | 20 | 19 | 02 | | | |
| | Origin: | | 20 | 15 | 22.5 | 29.4S | 178.1W | 110km | USCGS |
| 8 | GS | eP? | Z | 02 | 31 | 26 | | | 3.8 |
| | | e | Z | | 37 | | | | |
| | | eS? | Z | 02 | 32 | 25.1 | | | |
| | TU | eP | Z | 02 | 31 | 38 | | | |
| | | eS | Z | 02 | 32 | 40 | | | |
| | KP | eP | Z | 02 | 31 | 44 | | | |
| | | eS | Z | 02 | 32 | 46 | | | |
| | CB | e? | E | 02 | 34 | 08 | | | |
| | KM | e? | X | 02 | 34 | 48 | | | 4.9 |
| | GP | e | N | 02 | 34 | 50 | | | 5.1 |
| | Origin: | | 02 | 30 | 18 | | | | 5.1 |
| | | | | | | 35S | 178.4W | N | NZ(D) |
| | | | | | | Additional readings from Chartwell Towers used to determine epicentre. | | | |
| 8 | KP | eP | Z | 05 | 08 | 25 | | | |
| | Origin: | | 05 | 05 | 03.0 | 21.5S | 179.7W | 659km | USCGS |
| 9 | GS | eP | Z | 05 | 33 | 52 | | | |
| | | e | Z | | 35 | 07 | | | |
| | TU | eP | Z | 05 | 33 | 58 | | | |
| | | e | Z | | 34 | 10.1 | | | |
| | | e(S) | Z | | 35 | 17 | | | |
| | KP | eP | Z | 05 | 34 | 08 | | | |
| | CT | e | Z | 05 | 34 | 30 | | | |
| | | e? | Z | | 35 | 53 | | | |
| | TA | e | Z | 05 | 34 | 40 | | | |
| | WN | eS | ZN | 05 | 36 | 24 | | | |
| | | eL | Z | | 38 | | | | |
| | CB | eS | E | 05 | 36 | 50 | | | |
| | GP | eS | N | 05 | 37 | 31 | | | |
| 9 | GS | eP | Z | 20 | 33 | 07 | | | |
| | | eS | Z | | 33 | 58 | | | |
| | TU | eP | Z | 20 | 33 | 14 | | | |
| | | e | Z | | 34 | 18 | | | |
| | KP | eP | Z | 20 | 33 | 19.1 | | | |
| | CT | eP | Z | 20 | 33 | 30 | | | |
| | | eS | Z | | 34 | 41 | | | |
| | TA | e(P) | Z | 20 | 33 | 44 | | | |
| | WN | eP? | Z | 20 | 33 | 55 | | | 5.1 |
| | | eS | ZN | | 35 | 22 | | | |
| | | eL | Z | | 37 | | | | |
| | TO | e(S) | Y | 20 | 34 | 44 | | | 4.3 |
| | CB | eS | E | 20 | 35 | 46 | | | 5.0 |
| | KM | eS | X | 20 | 36 | 23 | | | 5.4 |
| | GP | eS | N | 20 | 36 | 27 | | | 5.0 |
| | Origin: | | 20 | 32 | 00 | 35S | 179W | N | NZ(D) |

NEW ZEALAND STATIONS 1963

| Date | Stn | Phase | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|--------|-----|----|------|--------|--------|-------|-------|
| NOV | KP | eP | Z | 21 | 28 | 26 | | | |
| | WN | eP | ZE | 21 | 28 | 26 | | | |
| | | eP | Z | | 30 | 32 | | | |
| | | eSKS | ZNE | | 38 | 08 | | | |
| | | eSP | ZNE | | 40.7 | | | | |
| | | e(SSP) | ZE | | 44.5 | | | | |
| | | e | E | | 49.1 | | | | |
| | | e | NE | | 57.1 | | | | |
| | | e(Lr) | ZNE | 22 | 03 | | 68 18 | 19 17 | 19 18 |
| | | M | ZNE | 09 | | | | | |
| | CT | eP | Z | 21 | 28 | 28 | | | |
| | | e(Pp) | Z | | 30 | 50 | | | |
| | RX | eP | Z | 21 | 28 | 36 | | | |
| | | eSKS | ZNE | | 38 | 15 | 30 14 | 8 12 | 21 14 |
| | | eSP | ZNE | | 41 | 10 | | 11 12 | 42 18 |
| | | e(PKp) | Z | | 44 | 32 | | | |
| | | e(SSP) | ZE | | 45.0 | | | | |
| | | e(SS) | N | | 47.2 | | | 45 24 | |
| | | eSSS | E | | 51.1 | | | | |
| | | e | N | | 57.8 | | | | |
| | Origin: | | 21 | 15 | 30.4 | 9.0S | 71.5W | 600km | USCGS |
| 10 | WN | eSKS | E | 01 | 23 | 12 | | | |
| | | eSP | Z | | 25 | 52 | 6 24 | | |
| | | e | Z | | 30.4 | | | | |
| | | eSSS | Z | | 35 | 16 | | | |
| | | e | Z | | 38.9 | | | | |
| | | eL | Z | | 48.6 | | | | |
| | | M | Z | | 50 | | 4 20 | | |
| | | eL | E | | 51 | | | | |
| | RX | eSKS | NE | 01 | 23 | 20 | | | |
| | | eSP | ZE | | 26 | 16 | | | |
| | | e(SSP) | E | | 30.0 | | | | |
| | | eSS | NE | | 32.0 | | | | |
| | Origin: | | 01 | 00 | 38.8 | 9.2S | 71.5W | | USCGS |
| 10 | KP | eP | Z | 17 | 30 | 20 | | | |
| | WN | eP | Z | 17 | 30 | 36 | | | |
| | | eSKS | ZE | | 41 | 00 | 2 18 | | 4 18 |
| | | eSP | Z | | 42 | 20 | | | |
| | | eS | Z | | 47 | 06 | 3 20 | | |
| | | eLr | Z | | 58.8 | | | | |
| | | eLr | NE | 18 | 01 | | | | |
| | | M | ZN | | 03 | | 11 24 | 6 20 | 6.2 |
| | RX | e(SKS) | NE | 17 | 41 | 20 | | | |
| | | e | NE | | 58 | | | | |
| | | eSS | NE | | 48.0 | | | | |
| | Origin: | | 17 | 17 | 42.7 | 44.4N | 149.0E | 40km | USCGS |
| 10 | KP | IP | Z | 19 | 23 | 20.2 u | | | |
| | GS | e | Z | 19 | 23 | 23 | | | |
| | | e | Z | | 25 | 35 | | | |
| | WN | eP | ZNE | 19 | 23 | 50 | | | |
| | | eS | ZNE | | 26 | 26 | | | |
| | WN | IP | Z | 19 | 24 | 46.1 | | | |
| | Origin: | | 19 | 20 | 38.8 | 26.2S | 178.3E | 607km | USCGS |
| 11 | KP | eP | Z | 11 | 33 | 55 | | | |
| | | eS | Z | | 37 | 58 | | | |
| | | eS? | Z | | 39 | 04 | | | |
| | CT | eP | Z | 11 | 34 | 03 | | | |
| | | eS | Z | | 38 | 07 | | | |
| | | eS? | Z | | 39 | 24 | | | |
| | WN | eP | ZNE | 11 | 34 | 21 | | | |
| | | eS | ZNE | | 38 | 39 | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|------|---------|-------|--------------|--------------|-------|-------|------|
| NOV | MN | esS | ZNE 39 59 | | | | |
| | | eP | Z 11 34(23) | | | | |
| | | eS | Z 11 39(10) | | | | |
| | Origin: | | 11 29 06.4 | 16.9S 174.4W | 185km | USCGS | 5.2 |
| 12 | GS | eP | Z 12 47 55 | | | | |
| | KP | eP | Z 12 47 56 | | | | |
| | MN | eP | Z 12 49± | | | | |
| | Origin: | | 12 44 02.4 | 22.6S 175.5W | 33km | USCGS | 4.5 |
| 12 | WN | eP | ZNE 17 43 37 | | | | |
| | | eS | ZNE 17 46 51 | | | | |
| | GS | eP | Z 17 43 55 | | | | |
| | | eS | Z 17 45 31 | | | | |
| | ON | e | E 17 43 58 | | | | |
| | KP | eP | Z 17 44 07 | | | | |
| | | e? | Z 17 45 07 | | | | |
| | Origin: | | 17 41 52.6 | 30.4S 177.8W | 60km | USCGS | 4.4 |
| 13 | KP | eP | Z 11 21 34 | | | | |
| | | e | Z 11 21 38 | | | | |
| | | eS | Z 11 24 15 | | | | |
| | GT | eP | Z 11 21 45 | | | | |
| | | eS | Z 11 24 32 | | | | |
| | WN | eP | ZNE 11 22 06 | | | | |
| | | eS | ZNE 11 25 04 | | | | |
| | Origin: | | 11 18 28.6 | 23.8S 179.9W | 520km | USCGS | 4.9 |
| 13 | GS | eP? | Z 17 22 34 | | | | |
| | | e(P) | Z 17 22 48 | | | | |
| | | eS | Z 17 25 29 | | | | |
| | KP | eP | Z 17 22 46 | | | | |
| | Origin: | | 17 18 50.1 | 22.9S 175.3W | 33km | USCGS | 5.3 |
| 14 | ON | eP? | E 00 22 08 | | | | |
| | | eP | E 00 22 17 | | | | |
| | KP | eP | Z 00 22 18 | | | | |
| | GS | eP | Z 00 22 18 | | | | |
| | | eS | Z 00 24 48 | | | | |
| | RX | eP | Z 00 24(12) | | | | |
| | WN | eS | ZNE 00 25 10 | | | | |
| | | eLr | Z 00 27 | | | | |
| | | M | Z 00 29 | | | | |
| | Origin: | | 00 20 03.0 | 30.1S 177.4W | 42km | USCGS | 4.7 |
| 14 | KP | eP | Z 04 09 27 | | | | |
| | GS | eP | Z 04 09 35 | | | | |
| | RX | eP | Z 04 09 52 | | | | |
| | Origin: | | 03 58 48.9 | 22.6N 142.9E | 177km | USCGS | 4.9 |
| 14 | KP | eP | Z 04 31 34 | | | | |
| 14 | KP | eP | Z 04 40 35½ | | | | |
| | GS | eP | Z 04 40 52 | | | | |
| | WN | eP | Z 04 41 09 | | | | |
| | | eS | ZNE 04 45.4 | 4 16 | | 5 10 | |
| | | eLr | Z 04 47.5 | | | | |
| | | eLr | NE 04 48 | | | | |
| | | M | ZNE 04 49 | 14 18 | 7 17 | 25 19 | 6.0 |
| | RX | eS | NE 04 46.4 | | 3 20 | | 5.7 |
| | | eL | NE 04 48.4 | | | | |
| | | eL | Z 04 52.7 | | | | |
| | | M | ZNE 04 53 | 10 16 | 9 16 | 21 14 | 6.0 |
| | Origin: | | 04 35 48.5 | 17.5S 167.7E | 33km | USCGS | 4.8 |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|--------|---------|-------|----------------|--------------|-------|-------|------|
| NOV 14 | KP | eP | Z 14 06 06 | | | | |
| | GS | eP | Z 14 06 21 | | | | |
| | WN | eL | Z 14 14.8 | | | | |
| | | M | Z 14 19 | | | | |
| | Origin: | | 14 01 18.4 | 17.4S 167.6E | 33km | USCGS | 4.5 |
| 14 | KP | eP | Z 14 10 23 | | | | |
| | GS | eP | Z 14 10 38 | | | | |
| | Origin: | | 14 05 35.6 | 17.5S 167.7E | 33km | USCGS | 4.6 |
| 14 | KP | eP | Z 20 15 32 | | | | |
| | GS | eP | Z 20 15 49 | | | | |
| | Origin: | | 20 11 03.7 | 19.0S 168.8E | 33km | USCGS | 4.6 |
| 14 | KP | eP | Z 23 42 38 | | | | |
| | GS | eP | Z 23 42 54 | | | | |
| | WN | eL | Z 23 50 | | | | |
| | | M | Z 23 52 | | | | |
| | Origin: | | 23 37 49.5 | 17.4S 167.8E | 33km | USCGS | 4.5 |
| 15 | KP | 1P | Z 21 19 08.8 d | | | | |
| | CT | eP | Z 21 19 13 | | | | |
| | WN | eP | Z 21 19 22 d | | | | |
| | | epP | Z 21 37 | | | | |
| | | eS | ZE 29.8 | 4 17 | | | |
| | | eSS | Z 35.9 | 4 24 | | | 3 16 |
| | | eLr | ZNE 49 | | | | |
| | | M | ZN 51 | 24 24 | 12 24 | | 6.4 |
| | RX | eP | Z 21 19 39 | | | | |
| | | eSKS | NE 29 40 | | 5 18 | | |
| | | eS | ZNE 30.8 | | 11 18 | 13 17 | 6.9 |
| | | ePS | NE 31.8 | | 7 20 | | |
| | | eSS | NE 36.9 | | 7 20 | | |
| | | eLr | NE 49 | | | | |
| | | M | NE 55 | | 9 22 | 8 21 | 6.4 |
| | Origin: | | 21 06 34.0 | 44.3N 149.0E | 50km | USCGS | 6.0 |
| 16 | CT | eP | Z 06 57 28½ | | | | |
| | KP | eP | Z 06 57 32 | | | | |
| | WN | e | Z 07(07)40 | | | | |
| | | eLr | Z (19)00 | | | | |
| | | M | Z (20) | | | | |
| | RX | eS | NE 07 06.5 | | | | |
| | | eSS | E 11 25 | | | | |
| | | eLq | NE 16.0 | | | | |
| | | eLr | E 18.6 | | | | |
| | | eLr | Z 20 | | | | |
| | | M | E 21 | | | | |
| | Origin: | | 06 46 15.7 | 41.3S 87.5W | 11km | USCGS | 5.3 |
| 16 | GS | eP | Z 22 47 29 | | | | |
| | | eS | Z 22 50 30 | | | | |
| | KP | eP | Z 22 47 32 | | | | |
| | RX | eP? | Z 22 49 07 | | | | |
| | | eS | NE 53 36 | | 6 17 | 4 20 | 6.0 |
| | | eSS | E 54 48 | | | | |
| | | eLq | NE 55.8 | | 8 24 | 19 24 | |
| | | eLr | NE 57 | | | | |
| | | M | E 58 | | | 68 18 | |
| | | M | ZN 23 00 | 71 17 | 50 18 | | 6.3 |
| | MN | eP | Z 22 49 08 | | | | |
| | Origin: | | 22 43 26.4 | 22.3S 175.0W | 33km | USCGS | 5.6 |
| 16 | GS | eP | Z 23 43 57 | | | | |
| | | eS? | Z 23 47 06 | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|-------|------------|--------------|--------|------------|-------------|------|
| NOV | KP | eP | Z | 23 44 02 | | | | |
| | MN | eP | Z | 23 45 40 | | | | |
| | Origin: | | | 23 39 58.3 | 22.1S | 175.3W | 33km USCGR | 5.3 |
| 17 | GS | eP | Z | 00 52 59 | | | | |
| | | eS | Z | 56 08 | | | | |
| | KP | e(P) | Z | 00 53 12 | | | | |
| | MN | eP | Z | 00 54 38 | | | | |
| | Origin: | | | 00 48 57 | 22.2S | 175.0W | 33km USCGR | 5.3 |
| 17 | KP | eP | Z | 13 18 00 | | | | |
| | GS | eP | Z | 13 18 01 | | | | |
| | | eS | Z | 21 22 | | | | |
| | WN | eP | Z | 13 18 28 | | | | |
| | Origin: | | | 13 19 22.1 | 17.4S | 178.5W | 509km USCGR | 4.7 |
| 18 | CT | eP | Z | 01 10 16 | | | | |
| | Origin: | | | 01 01 52.9 | 3.6S | 143.4E | 33km USCGR | |
| 18 | KP | eP | Z | 06 08 04 | | | | |
| | WN | eP | Z | 06 08 39 | | | | |
| | | eLr | Z | 13.6 | | | | |
| | | M | Z | 16 | | | | |
| | Origin: | | | 06 04 12.7 | 22.4S | 170.5E | 33km USCGR | |
| 18 | KP | eP | Z | 13 56 49 | | | | |
| | GS | e | Z | 13 56 49 | | | | |
| | Origin: | | | 13 51 35.8 | 15.9S | 173.3W | 33km USCGR | 5.1 |
| 18 | WN | eS | NE | 15 03 24 | | 5 7 | 7 6 | |
| | | eSP? | Z | 05.1 | | | | |
| | | eSS | ZNE | 10.0 | | 5 24 | 6 22 | |
| | | e | N | 17.0 | | | | |
| | | e | ZNE | 18.0 | 7 40 | 15 44 | 14 52 | |
| | | eLr | Z | 22 | | | | |
| | | M | ZNE | 25 | 14 22 | 7 20 | 13 22 | 6.4 |
| | RX | e(S) | N | 15 04.3 | | | | |
| | | eSS | NE | 11.3 | | | | |
| | | e | NE | 18.5 | | | | |
| | eLq | NE | 21 | | | | | |
| | eLr | Z | 25 | | | | | |
| | M | ZNE | 31 | 12 18 | 9 19 | 10 19 | 6.5 | |
| Origin: | | | 14 38 28.9 | 29.9N | 113.6W | 14km USCGR | 5.7 | |
| 18 | KP | eP | Z | 19 49 54.4 | | | | |
| | GS | eP | Z | 19 49 55.4 | | | | |
| 18 | KP | eP | Z | 21 16 43 | | | | |
| | Origin: | | | 21 11 10.2 | 13.4S | 166.6E | 51km USCGR | 4.7 |
| 19 | KP | eP | Z | 10 49 31 | | | | |
| | GS | eP | Z | 10 49 49 | | | | |
| | WN | eP | Z | 10 50 11 | | | | |
| | | e | Z | 54 | | | | |
| | | eLr | Z | 54.8 | | | | |
| | | eLr | NE | 56 | | | | |
| | | M | Z | 56 | 9 20 | | | |
| | Origin: | | | 10 50 53 | 22.5S | 171.3E | 36km USCGR | 5.0 |
| 19 | KP | eP | Z | 11 13 30 | | | | |
| | Origin: | | | 11 00 54.3 | 44.4N | 149.2E | 33km USCGR | 5.8 |
| 20 | KP | 1P | Z | 04 14 16.2 u | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|-------|------------|--------------|--------|-------------|-------------|------|
| NOV | GS | eP | Z | 04 15 01 | | | | |
| | Origin: | | | 04 07 22.6 | 5.5S | 148.2E | 201km USCGR | |
| 20 | GS | eP | Z | 08 59 25 | | | | |
| | KP | eP | Z | 08 59 26.4 | | | | |
| | | e(P) | Z | 38 | | | | |
| | Origin: | | | 08 54 25 | 17.5S | 172.8W | 33km USCGR | 3.9 |
| 20 | GS | eP | Z | 12 03 52 | | | | |
| | | e | Z | 56 | | | | |
| | KP | eP | Z | 12 04 01 | | | | |
| | MN | eP | Z | 12 05 41 | | | | |
| | WN | eS | NE | 12 08 05 | | | | |
| | | eLr | ZNE | 09.5 | | | | |
| | | M | E | 10 | | | | 6 22 |
| | | M | ZN | 12 | | | | |
| | Origin: | | | 11 59 58.5 | 11 19 | 6 19 | 33km USCGR | 5.8 |
| | | | | | 22.2S | 175.2W | | 5.6 |
| 20 | WN | e | ZNE | 15 50 31 | | | | |
| 21 | KP | eP? | Z | 05 58 55.4 | | | | |
| | GS | eP | Z | 05 58 57 | | | | |
| | MN | 1P | Z | 06 00 18.5 u | | | | |
| | Origin: | | | 05 54 54.9 | 17.9S | 178.6W | 595km USCGR | 4.3 |
| 21 | KP | eP | Z | 21 14 26 | | | | |
| | Origin: | | | 21 01 35.3 | 50.3N | 156.4E | 80km USCGR | 5.3 |
| 22 | MN | eP | Z | 00 28 39 | | | | |
| | CT | eP | Z | 00 29 09 | | | | |
| | | epP | Z | 30 12 | | | | |
| Origin: | | | 00 18 35.9 | 5.9S | 107.9E | 323km USCGR | 5.1 | |
| 22 | WN | eSKS | N | 15 09.5 | | | | |
| | | eLr | Z | 28 | | | | |
| | | M | Z | 31 | | | | |
| | Origin: | | | 15 10.1 | 44.4N | 149.0E | 33km USCGR | 5.6 |
| 22 | GS | eP | Z | 17 08 37 | | | | |
| | KP | 1P | Z | 17 08 38.3 d | | | | |
| | MN | eP | Z | 17 10 14 | | | | |
| | Origin: | | | 17 03 38.9 | 17.9S | 172.8W | 33km USCGR | 5.2 |
| 22 | GS | eP | Z | 21 49 28 | | | | |
| | | e | Z | 31 | | | | |
| | | eS | Z | 50 58 | | | | |
| | | e | Z | 51 05 | | | | |
| | KP | eP | Z | 21 49 34 | | | | |
| | CT | eP | Z | 21 49 43 | | | | |
| | WN | eS | ZNE | 21 52 06 | | | | |
| 23 | KP | eP | Z | 05 03 58 | | | | |
| | GS | eP | Z | 05 04 10 | | | | |
| | Origin: | | | 04 58 52.0 | 15.0S | 167.3E | 116km USCGR | 4.3 |
| 23 | WN | eSP | Z | 08 17.4 | | | | |
| | | eLr | Z | 34.7 | | | | |
| | | M | Z | 37 | | | | |
| | Origin: | | | 07 50 46.3 | 30.1N | 114.0W | 14km USCGR | 5.1 |
| 23 | KP | eP | Z | 11 47 19 | | | | |
| | GS | eP | Z | 11 47 20.4 | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|-------|------------|------------------------|--------------|-------|-------|------|
| NOV 23 | KP | eP | Z | 19 34 06 | | | | |
| | GS | eP | Z | 19 34 06 $\frac{1}{2}$ | | | | |
| | MN | iP | Z | 19 35 30.6 d | | | | |
| | Origin: | | | 19 30 19.4 | 20.2S 178.1W | 515km | USCGS | 4.7 |
| 24 | KP | eP | Z | 01 46 38 | | | | |
| | CT | eP | Z | 01 46 50 | | | | |
| | Origin: | | | 01 41 41.2 | 17.1S 173.2W | 33km | USCGS | 4.1 |
| 24 | KP | eP | Z | 05 13 21 | | | | |
| | WN | eP | Z | 05 13 47 | | | | |
| | | eS | ZNE | 16 49 | | | | |
| | | eL | Z | 20 | | | | |
| | | M | Z | 22 | | | | |
| | MN | eP | Z | 05 14 22 | | | | |
| | GS | e(S) | Z | 05 15 39 | | | | |
| Origin: | | | 05 08 42.8 | 22.1S 175.6W | 33km | USCGS | 5.1 | |
| 24 | KP | eP | Z | 05 17 00 | | | | |
| | MN | eP | Z | 05 19 04 | | | | |
| | GS | e(S) | Z | 05 20 19 | | | | |
| | Origin: | | | 05 13 23.5 | 21.9S 175.8W | 33km | USCGS | 5.0 |
| 24 | KP | eP | Z | 11 17 03 | | | | |
| | | e | Z | 18 38 | | | | |
| | | e(pP) | Z | 18 02 | | | | |
| | CT | eP | Z | 11 17 09 | | | | |
| | | e(pP) | Z | 18 14 | | | | |
| 24 | MN | eP | Z | 11 17 25 | | | | |
| | Origin: | | | 11 05 56.8 | 28.2N 140.1E | 260km | USCGS | 5.2 |
| 24 | CT | eP | Z | 23 10 38 $\frac{1}{2}$ | | | | |
| | Origin: | | | 22 58 16.8 | 56.1S 27.5W | 33km | USCGS | 5.6 |
| 25 | GS | eP | Z | 00 55 53 | | | | |
| | KP | eP | Z | 00 55 54 $\frac{1}{2}$ | | | | |
| | MN | eP | Z | 00 57 19 | | | | |
| | Origin: | | | 00 51 02.1 | 16.3S 174.6W | 196km | USCGS | 4.4 |
| 26 | GS | eP | Z | 00 12 12 | | | | |
| | | e | Z | 13 15 | | | | |
| | KP | eP | Z | 00 12 16 | | | | |
| | TU | eP | Z | 00 12 16 $\frac{1}{2}$ | | | | |
| | | eS | Z | 13 31 | | | | |
| | CT | iP | Z | 00 12 28.8 u | | | | |
| | | e | Z | 13 56 | | | | |
| | TO | eP | Y | 00 12 29 | | | | |
| | | eS | Y | 13 52 | | | | |
| | TA | eP | Z | 00 12 36 | | | | |
| | WN | eP | Z | 00 12 50 | | | | |
| | | eS | ZNE | 14 33 | | | | |
| | GP | eP | N | 00 13 29 | | | | |
| | | eS | N | 15 38 | | | | |
| | CB | eS | E | 00 14 48 | | | | |
| KM | eS | X | 00 15 34 | | | | | |
| Origin: | | | 00 10 40 | 33S 180 N | NZ(D) | | 5.2 | |
| 26 | GS | e | Z | 03 03 25 | | | | |
| | | e(S) | Z | 43 | | | | |
| | WN | eS | NE | 03 05 00 | | | | |
| | | eL | Z | 07 | | | | |
| | | M | Z | 08 | | | | |
| Origin: | | | 02 58 34.7 | 26.9S 176.5W | 46km | USCGS | 4.2 | |
| 26 | MN | eP | Z | 07 00 58 | | | | |

| Date | Stn | Phase | | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|-------|------------|------------------------|--------------------|---------------------|---|-------|
| NOV | | eScP | Z | 05 57 | | | | |
| | KP | eP | Z | 07 01 06 | | | | |
| | | eScP | Z | 06 03 | | | | |
| | CT | eP | Z | 07 01 10 $\frac{1}{2}$ | | | | |
| | | eScP | Z | 06 04 | | | | |
| Origin: | | | 06 52 08.2 | 6.8S | 129.6E | 111km | USCGS | 5.1 |
| 26 | KP | eP | Z | 22 54 55 | | | | |
| | GS | eP | Z | 22 55 03 | | | | |
| | WN | eP | ZNE | 22 55 27 | | | | |
| | | e | Z | 56 48 | | | | |
| | | eS? | E | 59 48 | | | | |
| | | e | Z | 23 00.1 | | | | |
| | | e(SS) | NE | 00.5 | | | 9 14 | 11 14 |
| | | eLq | E | 01.0 | | | | 39 32 |
| | | M | ZN | 02 | | | 8 20 | 10 22 |
| | RX | eP | Z | 22 56(10) | | | | |
| | | eS | NE | 23 01(04) | | | | 3 14 |
| | e(SS) | NE | 02.2 | | | | | |
| | eLq | E | 03.0 | | | | 16 28 | |
| | eLr | ZN | 04 | | | | | |
| | M | NE | 05 | | | | 10 17 | |
| Origin: | | | 22 50 08.9 | 16.6S | 175.2E | 33km | USCGS | 5.3 |
| 28 | RX | eP | Z | 15 14 28 | | | | |
| | Origin: | | | 15 07 50.8 | 12.1S | 166.1E | 33km | USCGS |
| 28 | GS | iP | Z | 16 05 03.3 d | | | | |
| | | eS | Z | 55 | | | | |
| | TU | eP | Z | 16 05 11 | | | | |
| | | eS | Z | 06 13 | | | | |
| | KP | eP | Z | 16 05 16 | | | | |
| | TA | e | Z | 16 05 38 | | | | |
| | WN | e? | ZN | 16 06 11 | | | | 6.2 |
| | | eS | ZNE | 07 17 | | | | |
| | GP | eS | Z | 16 08 22 | | | | |
| | Origin: | | | 16 03 52 | 34 $\frac{1}{2}$ S | 178 $\frac{1}{2}$ W | N | NZ(D) |
| | | | | | | | 5.1 | |
| | | | | | | | 5.6 | |
| | | | | | | | Additional readings from Charters Towers used to determine epicentre. | |
| 28 | ON | eP | E | 18 16 11 | | | | |
| | KP | eP | Z | 18 16 37 | | | | |
| | GS | eP | Z | 18 16 39 | | | | |
| | | eS | Z | 18 45 | | | | |
| | WN | eP | Z | 18 17 15 | | | | |
| | | eS | ZNE | 19 34 | | | | |
| | Origin: | | | 18 14 17 | 27.4S | 179.1E | 593km | USCGS |
| 29 | KP | iP | Z | 18 59 33.0 u | | | | |
| | GS | eP | Z | 18 59 33 $\frac{1}{2}$ | | | | |
| | WN | eP | ZNE | 19 00 01 | | | | |
| | | e | ZNE | 30 | | | | |
| | MN | iP | Z | 19 00 50.6 u | | | | |
| | Origin: | | | 18 55 23.6 | 17.3S | 178.4W | 528km | USCGS |
| 30 | MN | eP | Z | 09 57 50 | | | | |
| | | epP | Z | 58 10 | | | | |
| | KP | eP | Z | 09 57 52 | | | | |
| | WN | eP | Z | 09 57 58 $\frac{1}{2}$ | | | | |
| | | eS | Z | 10 06.0 | | | | |
| | | e(SS) | Z | 10.9 | | | | |
| | | eLr | ZE | 21 | | | 4 25 | 3 25 |
| | GS | eP | Z | 09 58 06 | | | | |
| Origin: | | | 09 47 59.0 | 1.6N | 128.4E | 61km | USCGS | 5.5 |

| Date | Stn | Phase | | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. | | |
|---------|------|---------|---------|----|------|-------|--------|------|--------|--------|-------|-------|------|-----|--|
| DEC | 1 KP | iP | Z | 07 | 55 | 00.7 | | | | | | | | | |
| | | CT | eP | Z | 07 | 55 | 08.7 | | | | | | | | |
| | | Origin: | | | 07 | 46 | 55 | 3.9S | 146.3E | 33km | USCGS | | 5.6 | | |
| 3 KP | CT | eP? | Z | 04 | 29 | 20 | | | | | | | | | |
| | | eP | Z | 04 | 29 | 30 | | | | | | | | | |
| | | e? | Z | 04 | 30 | 36 | | | | | | | | | |
| | | Origin: | | | 04 | 17 | 58 | 4.2S | 102.9E | 50km | USCGS | | 5.2 | | |
| 3 WN | eP | eS | Z | 21 | 21 | 18 | | | | | | | | | |
| | | | Z | 21 | 21 | 02 | | | | | | | | | |
| | | | Z | 21 | 21 | 02 | | | | | | | | | |
| | | e(Lr) | Z | 21 | 21 | 02 | | | | | | | | | |
| | | eLr | NE | 30 | | | | | | | | | | | |
| | | M | E | 32 | | | | | | | 12 | 20 | | | |
| | | M | ZN | 33 | | | | | | 19 | 20 | | | | |
| RX | eP | Z | 21 | 21 | 51 | | | | | | | 5.9 | | | |
| MN | eP | | Z | 21 | 21 | 53 | | | | | | | | | |
| | | | Origin: | | | 21 | 15 | 10.4 | 12.2S | 166.0E | 33km | USCGS | | 5.1 | |
| 3 WN | M | | Z | 21 | 48 | | | | | | | | | | |
| | | | Origin: | | | 21 | 30 | 05.7 | 12.0S | 166.0E | 40km | USCGS | | 4.8 | |
| 3 GS | KP | eP | Z | 23 | 16 | 59 | | | | | | | | | |
| | | | Z | 23 | 17 | 04 | | | | | | | | | |
| | | | Origin: | | | 23 | 03 | 41.6 | 22.4S | 69.3W | 18km | USCGS | | 6.1 | |
| 4 TU | eP | e | Z | 00 | 46 | 01 | | | | | | | | | |
| | | | Z | 00 | 46 | 02 | | | | | | | | | |
| | | | Z | 00 | 47 | 08 | | | | | | | | | |
| | | ON | eP | E | 00 | 46 | 04 | | | | | | | | |
| | | TO | e | Y | 00 | 46 | 22 | | | | | | | 5.2 | |
| | | TA | e | | Z | 00 | 46 | 27 | | | | | | | |
| | | | | | Z | 00 | 48 | 18 | | | | | | | |
| | | WN | iP | e | Z | 00 | 46 | 41.8 | | | | | | | |
| | | | | | Z | 00 | 46 | 59.2 | | | | | | | |
| | | | | | Z | 00 | 47 | 08 | | | | | | | |
| | | | | S | ZNE | 48 | 16 | | | | | | | | |
| | | | | e | ZNE | 48 | 8 | | | | | | | | |
| | | | | L | ZNE | 49 | 5 | | | | | | | | |
| ScS | NE | | | 01 | 00 | 08.5 | | | | | | | | | |
| Origin: | | | 00 | 44 | 37 | 34S | 179W | N | NZ(D) | | | 5.7 | | | |
| 4 WN | P | S | Z | 16 | 10 | 06 | | | | | | | | | |
| | | | Z | 16 | 10 | 28 | | | | | | | | | |
| | | | Z | 16 | 10 | 28 | | | | | | | | | |
| | | PS | ZNE | 18 | 7 | | | | | 5 | 42 | | 12 | 43 | |
| | | SS | ZNE | 22 | 5 | | | | | 5 | 30 | | | | |
| | | (SSS) | ZNE | 25 | 6 | | | | | | | | | | |
| L | ZNE | 28 | 2 | | | | | 25 | 34 | | 7 | 30 | 18 | 35 | |
| Origin: | | | 15 | 59 | 42.1 | 35.5S | 102.8W | 33km | USCGS | | | 4.6 | | | |
| 5 WN | e(S) | eLr | Z | 04 | 42 | 56 | | | | | | | | | |
| | | | Z | 04 | 51 | 5 | 26 | | | | | | | | |
| Origin: | | | 04 | 23 | 22.2 | 35.7S | 103.1W | 33km | USCGS | | | 4.8 | | | |
| 5 GS | KP | eP | Z | 08 | 19 | 20 | | | | | | | | | |
| | | | Z | 08 | 19 | 22 | | | | | | | | | |
| 6 KP | eP | ePcP | Z | 02 | 04 | 08 | | | | | | | | | |
| | | | Z | 02 | 06 | 15.7 | | | | | | | | | |
| GS | eP | | Z | 02 | 04 | 22.7 | | | | | | | | | |
| | | | Z | 02 | 14 | 08 | | | | | | | | | |
| WN | eSS | eLr | Z | 02 | 14 | 08 | | | | | | | | | |
| | | | Z | 02 | 16 | 8 | | | | | | | | | |

| Date | Stn | Phase | | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. | | | | | | |
|---------|---------|---------|-----|-------|-----|------|------|--------|------|-------|----|----|-------|--------|-------|--------|-------|-------|-----|
| DEC | Origin: | M | Z | 01 | 56 | 42.8 | 5.8S | 150.3E | 61km | USCGS | | | 5.3 | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 7 KP | iP | e | Z | 04 | 11 | 18.2 | d | | | | | | | | | | | | |
| | | | Z | 04 | 11 | 17 | | | | | | | | | | | | | |
| | | | Z | 04 | 11 | 19 | | | | | | | | | | | | | |
| | | GS | eP | | Z | 04 | 11 | 19 | | | | | | | | | | | |
| | | | | | Z | 04 | 11 | 02 | | | | | | | | | | | |
| | | WN | eP | e | ZNE | 04 | 11 | 46 | | | | | | | | | | | |
| | | | | | Z | 04 | 11 | 16 | | | | | | | | | | | |
| | | | | | ZNE | 04 | 11 | 50 | | | | | | | | | | | |
| | | MN | iP | e | ZNE | 04 | 12 | 43.2 | d | | | | | | | | | | |
| | | | | | ZNE | 04 | 07 | 52.8 | | | | | 22.1S | 179.4W | 546km | USCGS | 5.5 | | |
| | | Origin: | | | | 04 | 12 | 43.2 | d | | | | | | | | | | |
| | | | | | | 04 | 07 | 52.8 | | | | | | | | | | | |
| | | 7 KP | GS | eP | | Z | 05 | 11 | 20.7 | | | | | | | | | | |
| Z | 05 | | | | | 11 | 22 | | | | | | | | | | | | |
| Origin: | | | | 05 | 07 | 43 | | | | | | | 21.0S | 178.6W | 560km | USCGS | 3.8 | | |
| | | | | | | | | | | | | | | | | | | | |
| 7 KP | eP | e | Z | 10 | 36 | 37.7 | | | | | | | | | | | | | |
| | | | Z | 10 | 36 | 49 | | | | | | | | | | | | | |
| | | | Z | 10 | 37 | 16.7 | | | | | | | | | | | | | |
| | | GS | eP | | ZNE | 10 | 37 | 16.7 | | | | | | | | | | | |
| | | | | | ZNE | 10 | 37 | 16.7 | | | | | | | | | | | |
| | | WN | eS | e | ZNE | 10 | 37 | 16.7 | | | | | | | | | | | |
| | | | | | ZNE | 10 | 37 | 16.7 | | | | | | | | | | | |
| | | | | | ZNE | 10 | 37 | 16.7 | | | | | | | | | | | |
| | | M | eLr | e | ZNE | 10 | 37 | 16.7 | | | | | | | | | | | |
| | | | | | ZNE | 10 | 37 | 16.7 | | | | | | | | | | | |
| | | RX | eP | e | Z | 10 | 38 | 00 | | | | | | | | | | | |
| | | | | | Z | 10 | 38 | 00 | | | | | 7 | 16 | | 3 | 16 | | 7 |
| | | eS | e | e(Lq) | NE | 10 | 38 | 00 | | | | | | | | | | | |
| E | 10 | | | | 38 | 00 | | | | | | | | | | | | | |
| N | 10 | | | | 38 | 00 | | | | | | | | | | | | | |
| eLr | M | e | Z | 10 | 38 | 00 | | | | | | | | | | | | | |
| | | | Z | 10 | 38 | 00 | | | | | | | | | | | | | |
| Origin: | | | | 10 | 32 | 39.5 | | | | | | | 20.8S | 174.0E | 33km | USCGS | 4.6 | | |
| | | | | | | | | | | | | | | | | | | | |
| 7 KP | TU | eP | Z | 17 | 39 | 39.7 | | | | | | | | | | | | | |
| | | | Z | 17 | 39 | 42 | | | | | | | | | | | | | |
| | | | Z | 17 | 39 | 42 | | | | | | | | | | | | | |
| | | e | | | Z | 17 | 40 | 14 | | | | | | | | | | | |
| | | | | | Z | 17 | 40 | 14 | | | | | | | | | | | |
| | | WN | eP | eS | ZNE | 17 | 40 | 14 | | | | | | | | | | | |
| | | | | | ZNE | 17 | 40 | 14 | | | | | | | | | | | |
| | | eLr | M | e | Z | 17 | 40 | 14 | | | | | | | | | | | |
| | | | | | Z | 17 | 40 | 14 | | | | | | | | | | | |
| | | MN | eP | eS | Z | 17 | 41 | 37 | | | | | | | | | | | |
| | | | | | Z | 17 | 41 | 37 | | | | | | | | | | | |
| | | Origin: | | | | 17 | 37 | 25.6 | | | | | | | 29.3S | 178.5W | 209km | USCGS | 4.9 |
| | | | | | | | | | | | | | | | | | | | |
| 9 GS | KP | eP | Z | 10 | 57 | 19 | | | | | | | | | | | | | |
| | | | Z | 10 | 57 | 20 | | | | | | | | | | | | | |
| | | | Z | 10 | 57 | 20 | | | | | | | | | | | | | |
| | | WN | eP | eS | ZNE | 10 | 57 | 20 | | | | | | | | | | | |
| | | | | | ZNE | 10 | 57 | 20 | | | | | | | | | | | |
| | | eS | e | | Z | 10 | 57 | 20 | | | | | | | | | | | |
| | | | | | Z | 10 | 57 | 20 | | | | | | | | | | | |
| | | MN | eP | eS | ZNE | 10 | 57 | 20 | | | | | | | | | | | |
| | | | | | ZNE | 10 | 57 | 20 | | | | | | | | | | | |
| | | Origin: | | | | 10 | 53 | 39.4 | | | | | | | 21.1S | 178.0W | 435km | USCGS | |
| | | | | | | | | | | | | | | | | | | | |
| | | 10 RX | eP | eScS | Z | 03 | 40 | 04 | | | | | | | | | | | |
| | | | | | Z | 03 | 40 | 04 | | | | | | | | | | | |
| Z | 03 | | | | 40 | 04 | | | | | | | | | | | | | |
| e | | | | | NE | 03 | 40 | 04 | | | | | | | | | | | |
| | | | | | NE | 03 | 40 | 04 | | | | | | | | | | | |
| iP | e | | | e(pP) | Z | 03 | 40 | 06.8 | u | | | | | | | | | | |
| | | | | | Z | 03 | 40 | 06.8 | u | | | | | | | | | | |
| e | | | | | Z | 03 | 40 | 09 | | | | | | | | | | | |
| | | | | | Z | 03 | 40 | 09 | | | | | | | | | | | |
| WN | eP | | | eS | ZNE | 03 | 40 | 12 | | | | | | | | | | | |
| | | | | | ZNE | 03 | 40 | 12 | | | | | | | | | | | |
| epP | e | | | eScS | Z | 03 | 40 | 12 | | | | | | | | | | | |
| | | | | | Z | 03 | 40 | 12 | | | | | | | | | | | |
| e | eLr | M | ZNE | 03 | 40 | 12 | | | | | | | | | | | | | |
| | | | ZNE | 03 | 40 | 12 | | | | | | | | | | | | | |
| Z | M | e | Z | 04 | 00 | | | | | | | | | | | | | | |
| | | | Z | 04 | 00 | | | | | | | | | | | | | | |
| GS | eP | | Z | 03 | 40 | 21 | | | | | | | 5 | 20 | | | | | |
| | | | Z | 03 | 40 | 21 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|-------|-----|----|------------------|------------------|-------|--------|-------|-------|
| DEC 10 | MN | eP | Z | 06 | 42 | 29 $\frac{1}{2}$ | 58.1S | 26.4W | 110km | USCGS |
| | WN | eP | ZNE | 06 | 42 | 49 $\frac{1}{2}$ | | | | |
| | KP | iP | Z | 06 | 43 | 05.3 d | | | | |
| | Origin: | | Z | 06 | 30 | 54.8 | | | | |
| 10 | KP | eP | Z | 14 | 49 | 15 | 7.1S | 155.5E | 88km | USCGS |
| | GS | eP | Z | 14 | 49 | 29 | | | | |
| | Origin: | | Z | 14 | 42 | 11.2 | | | | |
| 10 | KP | iP | Z | 14 | 58 | 51.4 d | 37.4S | 176.6E | 245km | NZ(c) |
| | TU | iP | Z | 14 | 58 | 55.1 d | | | | |
| | | e | Z | 59 | 17 | | | | | |
| | | eS | Z | | 23 | | | | | |
| | GS | iP | Z | 14 | 58 | 57.0 d | | | | |
| | | e | Z | 59 | 22 | | | | | |
| | CT | eP | Z | 14 | 58 | 59 $\frac{1}{2}$ | | | | |
| | | eS | Z | 59 | 33 | | | | | |
| | TO | eP | Y | 14 | 59 | 00 | | | | |
| | | e | Y | | 30 $\frac{1}{2}$ | | | | | |
| | TA | eP | Z | 14 | 59 | 06 | | | | |
| | | eS | Z | | 44 | | | | | |
| | WN | iP | ZNE | 14 | 59 | 21.7 u | | | | |
| | | eS | ZNE | 15 | 00 | 11 | | | | |
| | CB | eP | E | 14 | 59 | 31 | | | | |
| | | eS | E | 15 | 00 | 23 | | | | |
| GP | eP | N | 14 | 59 | 55 | | | | | |
| | eS | N | 15 | 01 | 11 | | | | | |
| KM | e | X | 15 | 00 | 05 | | | | | |
| | eS | X | 15 | 01 | 00 | | | | | |
| MN | e | Z | 15 | 00 | 43 | | | | | |
| | e | Z | | 02 | 39 | | | | | |
| RX | e | Z | 15 | 02 | 11 | | | | | |
| Origin: | | Z | 14 | 58 | 17 | | | | | |
| 10 | KP | eP | Z | 15 | 44 | 04 | 21.3S | 174.4W | 33km | USCGS |
| | WN | eL | Z | 15 | 53 | | | | | |
| | Origin: | | Z | 15 | 39 | 49.2 | | | | |
| 11 | GS | eP | Z | 00 | 53 | 07 | 36 28 | 18 26 | 20 30 | 5.9 |
| | CT | eP | Z | 00 | 53 | 18 | | | | |
| | WN | eP | Z | 00 | 53 | 36 | | | | |
| | | eLr | ZNE | 01 | 01 | | | | | |
| | | M | ZN | | 02 | | | | | |
| | | M | E | | 03 | | | | | |
| | RX | eLr | NE | 01 | 04 | | | | | |
| | | eLr | Z | | 05 | | | | | |
| | | M | NE | | 06 | | | | | |
| | | M | Z | | 08 | | | | | |
| Origin: | | Z | 00 | 47 | 48.3 | | | | | |
| 11 | KP | iP | Z | 02 | 35 | 23.3 d | 17.8S | 178.6W | 537km | USCGS |
| | GS | eP | Z | 02 | 35 | 24 $\frac{1}{2}$ | | | | |
| | | eS | Z | | 38 | 51 | | | | |
| | WN | iP | ZNE | 02 | 35 | 51.9 | | | | |
| | MN | eP | Z | 02 | 36 | 46 | | | | |
| | | epP | Z | | 38 | 21 | | | | |
| | Origin: | | Z | 02 | 31 | 19.4 | | | | |
| 11 | KP | eP | Z | 11 | 15 | 28 | 19 21 | 14 10 | 14 24 | 19 28 |
| | | e | Z | | 32 | | | | | |
| | GS | eP | Z | 11 | 15 | 30 | | | | |
| | | eS | Z | | 17 | 56 | | | | |
| | WN | iP | ZNE | 11 | 16 | 01.0 d | | | | |
| | | eS | ZNE | | 18 | 53 | | | | |

| Date | Stn | Phase | | h | m | s | Az Tz | An Tn | Ae Te | Mag. | | | | | |
|------|---------|---|------|----|------------------|------------------|-------|--------|-------|-------|----|------|-----|------|-----|
| 10 | WN | eP | Z | 11 | 16 | 56 $\frac{1}{2}$ | 24.2S | 179.3E | 540km | USCGS | | | | | |
| | Origin: | | Z | 11 | 12 | 30.3 | | | | | | | | | |
| 11 | KP | eP | Z | 17 | 21 | 07 | 51.1N | 179.3W | 32km | USCGS | | | | | |
| | | eLr | Z | 17 | 51 | | | | | | | | | | |
| | Origin: | | Z | 17 | 08 | 12.3 | | | | | | | | | |
| 12 | KP | eP | Z | 15 | 15 | 16 | 4.5N | 97.2E | 33km | USCGS | | | | | |
| | Origin: | | Z | 15 | 02 | 48 | | | | | | | | | |
| 14 | KP | eP | Z | 01 | 49 | 18 | 17.9S | 178.3W | 550km | USCGS | | | | | |
| | | eP | Z | 01 | 49 | 28 | | | | | | | | | |
| | Origin: | | Z | 01 | 50 | 41 | | | | | | | | | |
| 16 | KP | eP | Z | 01 | 45 | 13.8 | 13.8S | 169.9E | 614km | USCGS | | | | | |
| | | eP | Z | 05 | 12 | 13 | | | | | | | | | |
| | Origin: | | Z | 05 | 07 | 41.2 | | | | | | | | | |
| 16 | GS | epP | Z | 16 | 29 | 54 | 35S | 178W | N | NZ(D) | | | | | |
| | | e | Z | | 30 | 04 | | | | | | | | | |
| | | eS | Z | | 52 | | | | | | | | | | |
| | | eP | Z | 16 | 30 | 02 | | | | | | | | | |
| | | e | Z | | 12 $\frac{1}{2}$ | | | | | | | | | | |
| | | eS | Z | | 31 | 03 | | | | | | | | | |
| | | eP | Z | 16 | 30 | 09 | | | | | | | | | |
| | | eP | E | 16 | 30 | 15 | | | | | | | | | |
| | | eP | Z | 16 | 30 | 19 | | | | | | | | | |
| | | e | Z | | 48 | | | | | | | | | | |
| 16 | WN | eP | Z | 16 | 30 | 30 | 35S | 178W | N | NZ(D) | | | | | |
| | | eP | Z | | 44 | | | | | | | | | | |
| | | eS | ZNE | | 32 | 11 | | | | | | | | | |
| | | eP | Z | 16 | 32 | 22 | | | | | | | | | |
| | | eS | X | 16 | 33 | 14 | | | | | | | | | |
| | | eS | N | 16 | 33 | 18 | | | | | | | | | |
| | | Origin: | | 16 | 28 | 40 | | | | | | | | | |
| | | Additional readings from Charters Towers used to determine epicentre. | | | | | | | | | | | | | |
| | 15 | KP | eP | Z | 18 | 25 | | | | | 29 | 6 12 | 8 9 | 4 15 | 6.3 |
| | | | e(S) | Z | | 26 | | | | | 51 | | | | |
| 17 | CT | eP | Z | 18 | 25 | 40 | 7 8 | 11 16 | 9 22 | 6.6 | | | | | |
| | | e(S) | Z | | 27 | 05 | | | | | | | | | |
| 19 | WN | e(S) | ZNE | 18 | 27 | 41 | 19 21 | 14 10 | 14 24 | 19 28 | | | | | |
| | | eL | Z | | 29 | | | | | | | | | | |
| | | M | Z | | 30 | | | | | | | | | | |
| | | eP | Z | 18 | 27 | 43 | | | | | | | | | |
| | | epP | Z | 19 | 44 | 35 | | | | | | | | | |
| | | eS | ZNE | | 46 | 40 | | | | | | | | | |
| | | eS | NE | | 52 | 36 | | | | | | | | | |
| | | e(S) | NE | | 53.5 | | | | | | | | | | |
| | | e(L) | E | 20 | 00.5 | | | | | | | | | | |
| | | e(L) | ZN | | 01.8 | | | | | | | | | | |
| 19 | IP | eP | ZNE | 19 | 44 | 51.9 ne | 19 21 | 14 10 | 14 24 | 19 28 | | | | | |
| | | epP | ZNE | | 46 | 57 | | | | | | | | | |
| | | eS | ZNE | | 53 | 05 | | | | | | | | | |
| | | eS | ZNE | | 53.7 | | | | | | | | | | |
| | | e(S) | ZNE | | 56.8 | | | | | | | | | | |
| | | e(L) | ZNE | 20 | 01 | | | | | | | | | | |
| | | M | ZE | | 13 | | | | | | | | | | |
| | | IP | Z | 19 | 44 | 52.1 d | | | | | | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|----------|------------|--------------------------|---------------|-------|-------|------|
| DEC | CT | epP Z | 47 03 | | | | |
| | | eS Z | 53 12 | | | | |
| | | e Z | 55 09 | | | | |
| | | e Z | 20 11 56 | | | | |
| | | eP'P' Z | 12 44 | | | | |
| | | iP Z | 19 44 53.7 u | | | | |
| | | epP Z | 47 09 | | | | |
| | | e Z | 49 54 | | | | |
| | | eS Z | 53 14 | | | | |
| | | e(P'P') Z | 20 12 44 | | | | |
| Origin: | | 19 34 45.5 | 4.8S 108E | 650km | USCGS | 6.4 | |
| 16 RX | WN | eP Z | 02 02 24 | | | | |
| | | eS NE | 11 28 | | | | |
| | | e(ScS) E | 56 | | | | |
| | | eSS NE | 15.7 | | 26 24 | 6 20 | |
| | | eLq N | 19.7 | | | | |
| | | eLr E | 23.8 | | | | |
| | | M NE | 25 | | 11 24 | 16 26 | |
| | | eP ZNE | 02 02 39 | | | | |
| | | eS ZNE | 11 44 | | | | |
| | | e(ScS) ZNE | 12 07 | | | | |
| eSS ZE | 16 20 | 5 24 | | 13 22 | | | |
| eLq ZE | 20.2 | | | 6 22 | | | |
| eLq N | 21.0 | | 18 30 | | | | |
| eLr ZE | 24 | | 17 30 | | | | |
| M N | 25 | | | | | | |
| M ZE | 26 | | 15 34 | 15 28 | | | |
| KP eP Z | 02 02 40 | | | | | | |
| GS eP Z | 02 02 55 | | | | | | |
| Origin: | | 01 51 30.6 | 6.4S 105.4E | 64km | USCGS | 6.0 | |
| 16 CT | Origin: | eP Z | 04 27 53 | | | | |
| | | | 04 16 43.0 | 6.3S 105.5E | 63km | USCGS | 5.8 |
| 16 KP | CT | ePKP Z | 14 08 36 | | | | |
| | | ePKP Z | 14 08 36 | | | | |
| | | eLr Z | 14 30 | | | | |
| | | eLr NE | 33 | | | | |
| | | M Z | 34 | | | | |
| Origin: | | 13 47 56.4 | 37.1N 20.9E | 15km | USCGS | 5.6 | |
| 16 CT | Origin: | eP Z | 14 25 06 | | | | |
| | | eP Z | 14 25 15 | | | | |
| | | | 14 18 04.9 | 4.9.1S 127.1E | 33km | USCGS | 5.3 |
| 16 KP | GS | eP Z | 15 23 54 | | | | |
| | | eP Z | 15 23 54 | | | | |
| | | Origin: | 15 18 34.8 | 15.2S 173.7W | 33km | USCGS | 4.8 |
| | | | Felt: Faleolo, W. Samoa. | | | | |
| 16 KP | CT | eP Z | 16 17 43 | | | | |
| | | eP Z | 16 17 46 | | | | |
| | | Origin: | 16 06 35.2 | 6.5S 105.3E | 46km | USCGS | 6.0 |
| 17 GS | TU | eP Z | 08 34 02 | | | | |
| | | e Z | 10 | | | | |
| | | eS Z | 35 14 | | | | |
| | | eP Z | 08 34 08.7 | | | | |
| | | e Z | 16.7 | | | | |
| | | eS Z | 35 24 | | | | |
| | | eP Z | 08 34 (20) | | | | |
| | | e? Z | 08 34 20 | | | | |
| | | e Z | 33 | | | | |

| Date | Stn | Phase | h m s | Az Tz | An Tn | Ae Te | Mag. |
|---------|---------|------------|--|--------------|-------|-------|------|
| DEC | WN | eP Z | 08 34 24 | | | | 5.1 |
| | | e Z | 08 34 42 | | | | |
| | | eS ZNE | 08 36 32 | | | | |
| | | e ZNE | 37.0 | | | | |
| | | e ZNE | 38.0 | | | | |
| | | eLr Z | 39 | | | | |
| | | M Z | 08 36 54 | | | | |
| | | eS Z | 08 37 39 | | | | |
| | | eS Z | 08 39 11 | | | | |
| | | e Z | 08 32 30 | | | | |
| Origin: | | | 34.5S 176.7W | N NZ(D) | | 5.3 | |
| | | | Additional readings from Brisbane and Charters Towers used to determine epicentre. | | | | |
| 17 CT | GS | eP Z | 10 27 03 | | | | |
| | | eP Z | 10 27 12 | | | | |
| | | Origin: | 10 19 10.0 | 6.5S 146.8E | 33km | USCGS | 4.8 |
| 18 WN | GS | eP Z | 00 33 18 | | | | |
| | | e(eP) Z | 35 44 | | | | |
| | | eS Z | 55 | | | | |
| | | e(SS) Z | 00 33 21 | | | | |
| | | eP Z | 35 58 | | | | |
| 18 WN | GS | eS Z | 45.7 | | | | |
| | | eScS Z | 00 34 03 | | | | |
| | | eP ZNE | 37 11 | | | | |
| | | eS ZNE | 45 52 | | | | |
| | | eScS ZNE | 00 35 08 | | | | |
| 18 WN | GS | eP Z | 60 18 | 120 22 | 57 22 | 6.8 | |
| | | eS Z | 39 04 | | | | |
| | | e Z | 17 | | | | |
| Origin: | | 00 30 02.6 | 24.8S 176.6W | 46km | USCGS | 6.5 | |
| | | | Felt: Tonga, Fiji and Kermadec Is. | | | | |
| 18 GS | Origin: | eP Z | 12 23 48.7 | | | | |
| | | eS Z | 25 35.7 | | | | |
| 18 CT | WN | eP Z | 12 24 19 | | | | |
| | | eS Z | 26 21.7 | | | | |
| | | eP Z | 12 25 59 | | | | |
| | | eS Z | 12 27 02 | | | | |
| | | eL Z | 28.7 | | | | |
| 18 WN | GS | M Z | 30 | | | | |
| | | Origin: | 12 21 50.1 | 29.9S 177.2W | 130km | USCGS | 3.8 |
| | | | | | | | |
| 19 GS | Origin: | eP Z | 02 37 22 | | | | |
| | | e Z | 40 04 | | | | |
| | | eP Z | 02 37 33 | | | | |
| 19 CT | WN | e Z | 40 24 | | | | |
| | | eP Z | 17 17 36 | | | | |
| | | eLr Z | 17 48.3 | | | | |
| 19 WN | GS | M Z | 53 | | | | |
| | | Origin: | 17 04 07.8 | 9.7S 79.1W | 56km | USCGS | 5.1 |
| | | | | | | | |
| 19 GS | Origin: | eP Z | 20 46 23 | | | | |
| | | eP Z | 20 46 27 | | | | |
| | | Origin: | 20 33 50.1 | 35.2S 68.0W | 32km | USCGS | 5.3 |
| 20 WN | GS | eP Z | 09 06 10 | | | | |
| | | e(P) Z | 09 06 39 | | | | |
| | | e(P) Z | 10 02 | | | | |
| Origin: | | 08 57 17.8 | 7.0S 129.3E | 103km | USCGS | 5.5 | |
| 21 GS | Origin: | eP? Z | 12 38 23 | | | | |
| | | eP Z | 26 | | | | |

| Date | Stn | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. | | |
|--|----------|----------|------------------|------|-------|-------|------------------|-------|----|----|----|------|-------|-----|
| DEC | RX | e(PcP) E | 58 | 58 | | | | | | | | | | |
| | | eS ZE | 59 | 20 | | | | | | | | | | |
| | | e(SS) NE | 06 | 02 | | | | | | | | | | |
| | | eLr Z | 04.5 | | | | | | | | | | | |
| | | M ZE | 05 | | | 13 | 35 | | | | | | | |
| | | eP Z | 05 | 53 | 11 | | | | | | 11 | 35 | | |
| | | e(SS) NE | 06 | 02.9 | | | | | | | | | | |
| | | M NE | 06 | | | | | | | | | | | |
| | | Origin: | | 05 | 45 | 20.2 | 5.1S | | 7 | 24 | 11 | 28 | USCGS | 5.3 |
| | | 28 | GS | eP Z | 09 | 05 | 26 $\frac{1}{2}$ | | | | | | | |
| | | eS Z | 06 | 36 | | | | | | | | | | |
| | | eScS Z | 19 | 29 | | | | | | | | | | |
| TU | eP Z | 09 | 05 | 33 | | | | | | | | | | |
| | e Z | 06 | 47 | | | | | | | | | | | |
| | eS? Z | 06 | 51 | | | | | | | | | | | |
| | e Z | 09 | 05 | 36 | | | | | | | | | | |
| KP | eP Z | 09 | 05 | 42 | | | | | | | | | | |
| WK | e(P) Z | 09 | 05 | 42 | | | | | | | | | | |
| | e Z | 06 | 22 | | | | | | | | | | | |
| TA | eP Z | 09 | 05 | 58 | | | | | | | | | | |
| | e Z | 06 | 15 $\frac{1}{2}$ | | | | | | | | | | | |
| WN | eP ZNE | 09 | 06 | 11 | | | | | | | | | | |
| | e ZN | 09 | 06 | 20 | | | | | | | | 7.0 | | |
| | e(P*) E | 09 | 06 | 42 | | | | | | | | | | |
| | eS ZNE | 07 | 55 | | | | | | | | | | | |
| | eL ZNE | 08.3 | | | | | | | | | | | | |
| | M NE | 09 | | | | | | | | | | | | |
| | M Z | 10 | | | 19 | 22 | 26 | 34 | 47 | 32 | | | | |
| | eScS ZNE | 19 | 21 | | | | | | | | | | | |
| KM | e(P) X | 09 | 06 | 50 | | | | | | | | 6.7 | | |
| | e X | 08 | 53 | | | | | | | | | | | |
| | e(S) X | 08 | 54 | | | | | | | | | | | |
| | eScS X | 19 | 23 | | | | | | | | | | | |
| GP | eP N | 09 | 06 | 50 | | | | | | | | 7.1 | | |
| | e N | 09 | 05 | 55 | | | | | | | | | | |
| | eS N | 09 | 02 | | | | | | | | | | | |
| | e(PcS) N | 15 | 53 | | | | | | | | | | | |
| | eScS N | 19 | 27 | | | | | | | | | | | |
| RX | eP Z | 09 | 07 | 30 | | | | | | | | | | |
| | eS Z | 10 | 12 | | | | | | | | | | | |
| | eL NE | 10.5 | | | | | | | | | | | | |
| | M NE | 12 | | | 11 | 28 | 23 | 27 | | | | | | |
| | eScP Z | 15 | 57 | | | | | | | | | | | |
| Origin: | | 09 | 03 | 57 | 33S | 179W | N | NZ(D) | | | | 6.7 | | |
| Additional readings from Charters Towers and Brisbane used to determine epicentre. | | | | | | | | | | | | | | |
| Felt in separated areas north of Wellington. | | | | | | | | | | | | | | |
| 28 | RX | eP Z | 18 | 09 | 36 | | | | | | | | | |
| | | eLq E | 28.5 | | | | | | | | | | | |
| | | eLr N | 31.8 | | | | | | | | | | | |
| | | M E | 34 | | | | | | | 3 | 20 | | | |
| | | M N | 36 | | | | | | 2 | 19 | | 6.0 | | |
| WN | eP? Z | 18 | 09 | 54 | | | | | | | | | | |
| | eS ZNE | 19 | 12 | | | | | | | | | | | |
| | eSS Z | 23.9 | | | | | | | | | | | | |
| | eLr ZNE | 32 | | | 7 | 36 | 4 | 32 | 3 | 28 | | | | |
| | M Z | 36 | | | 4 | 20 | | | | | | | | |
| GS | eP Z | 18 | 10 | 02 | | | | | | | | | | |
| KP | eP Z | 18 | 10 | 08.2 | | | | | | | | | | |
| Origin: | | 17 | 58 | 33.1 | 60.4S | 51.8W | 49km | USCGS | | | | 5.4 | | |

| Date | Stn | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te | Mag. | |
|---------|-----|---------|------|------|------------------|--------|--------|-------|-------|----|----|------|----|
| DEC | RX | eP Z | 03 | 02 | 11 $\frac{1}{2}$ | | | | | | | | |
| | | eS Z | 03 | 03 | 41 | | | | | | | | |
| | | eS Z | 03 | 02 | 27 | | | | | | | | |
| | | eP ZNE | 03 | 05 | 02 | 30.9S | 177.8W | 33km | USCGS | | | 4.4 | |
| | | Origin: | | 03 | 00 | 09.7 | | | | | | | |
| | | eP Z | 15 | 04 | 04 | | | | | | | | |
| | | eP Z | 15 | 04 | 05 | 20.7S | 178.4W | 534km | USCGS | | | 4.8 | |
| | | Origin: | | 15 | 00 | 24.0 | | | | | | | |
| | | eP Z | 01 | 07 | 33 | | | | | | | | |
| | | eP Z | 01 | 07 | 37 $\frac{1}{2}$ | | | | | | | | |
| 30 | WN | eP Z | 01 | 07 | 52 $\frac{1}{2}$ | 3.4S | 128.8E | 82km | USCGS | | | 5.0 | |
| Origin: | | 00 | 58 | 13.3 | | | | | | | | | |
| | | eP Z | 01 | 26 | 00 | | | | | | | | |
| | | eP Z | 01 | 26 | 27 | 21.6N | 144.5E | 120km | USCGS | | | 5.2 | |
| Origin: | | 01 | 15 | 24.5 | | | | | | | | | |
| | | eP Z | 06 | 26 | 04 | | | | | | | | |
| | | eS Z | 06 | 27 | 57 | | | | | | | | |
| | | eS Z | 06 | 26 | 09 | | | | | | | | |
| | | eP Z | 06 | 28 | 26 | | | | | | | | |
| | | e Z | 06 | 28 | 15 | | | | | | | | |
| | | eS ZNE | 06 | 29 | 12 | | | | | | | | |
| | | eL Z | 06 | 31 | | | | | | | | | |
| Origin: | | 06 | 23 | 35.2 | 29.3S | 176.8W | 34km | USCGS | | | | 4.7 | |
| | | eP Z | 13 | 42 | 04 | | | | | | | | |
| | | eP Z | 13 | 42 | 17 | | | | | | | | |
| | | eS Z | 53.1 | | | | | | | | | | |
| | | eSS Z | 58.9 | | | | | | | | | | |
| | | eLr Z | 14 | 11 | | | | | | | | | |
| | | M Z | 14 | | | | | | | | | | |
| Origin: | | 13 | 29 | 25.3 | 45.5N | 150.6E | 40km | USCGS | | | | 5.7 | |
| | | eP Z | 15 | 14 | 53 | | | | | | | | |
| | | epP Z | 15 | 15 | 19 | | | | | | | | |
| | | eP Z | 15 | 14 | 54 | | | | | | | | |
| | | eP Z | 15 | 15 | 04 | 9.4N | 126.0E | 102km | USCGS | | | 5.3 | |
| Origin: | | 15 | 04 | 14.2 | | | | | | | | | |
| | | eP Z | 10 | 25 | 43 $\frac{1}{2}$ | | | | | | | | |
| | | eP Z | 10 | 25 | 45 | | | | | | | | |
| | | eP Z | 10 | 27 | 07 | | | | | | | | |
| | | eP ZNE | 17 | 49 | 27 | 10 | 10 | 5 | 12 | | | 6.8 | |
| | | eS NE | 59 | 48 | | | | 5 | 12 | 14 | 14 | 6.9 | |
| | | eSS NE | 18 | 05.2 | | | | 10 | 20 | 8 | 19 | | |
| | | eLq NE | 10.3 | | | | | 7 | 20 | 14 | 32 | | |
| | | eLr NE | 14 | | | | | | | | | | |
| | | eLr Z | 19 | | | | | | | | | | |
| | | M ZNE | 24 | | | | | 53 | 18 | 42 | 18 | 45 | 18 |
| | | eP Z | 17 | 50 | 01 | | | | | | | | |
| Origin: | | 17 | 37 | 32.1 | 56.5S | 26.0W | 30km | USCGS | | | | 6.3 | |
| | | eP Z | 19 | 21 | 50.5 d | | | | | | | | |
| | | eP Z | 19 | 23 | 16 | | | | | | | | |
| Origin: | | 19 | 16 | 54.9 | 17.4S | 174.2W | 80km | USCGS | | | | 5.4 | |

AFIAMALU

Amplitudes given are in millimetres, measured directly from the photographic paper records.

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-------|--------------|------|-----|-----|----|----|----|
| JAN 1 | iP | ZNE 12 23 53 | usw | 2.5 | 2.2 | | | |
| | eL | ZNE 31.2 | | | | | | |
| 1 | eiP | ZNE 16 29 13 | 12.5 | 1.7 | | | | |
| | eiS | ZNE 30 21 | | | | | | |
| 1 | eiP | ZNE 21 37 15 | | | | | | |
| | eiS | ZNE 44 | | | | | | |
| 1 | eiP | ZNE 22 35 17 | | | | | | |
| | iS | NE 52 | | | | | | |
| 1 | iP | Z 23 50 21.2 | u | | | | | |
| | i | Z 39 | | | | | | |
| | iS | NE 59 34 | | | | | | |
| | i | E 24 00 05 | | | | | | |
| | eLq | NE 07.8 | | | | | | |
| | eLr | N 11.5 | | | | | | |
| 2 | iP | Z 05 37 33 | u | | | | | |
| | | | | | | | | |
| 2 | iP | ZNE 06 07 55 | | | | | | |
| | eiS | ZNE 08 16 | | | | | | |
| 2 | iP | Z 15 05 29 | d | 1.0 | 1.9 | | | |
| | eS | NE 12 48 | | | | | | |
| | eSS | ZE 15.8 | | | | | | |
| | e | N 18.2 | | | | | | |
| | eL | ZE 20.2 | | | | | | |
| | eL | ZE 22.4 | | | | | | |
| 2 | eP | Z 16 05 36 | | | | | | |
| | eS | NE 13 36 | | | | | | |
| | eL | NE 19 19 | | | | | | |
| 2 | eiP | Z 18 09 04 | | 0.6 | 2.2 | | | |
| 2 | iP | Z 18 35 55 | u | 0.6 | 2.0 | | | |
| 3 | eS | ZNE 03 25 24 | | | | | | |
| | eL | ZNE 34 40 | | | | | | |
| 3 | eiP | Z 09 46 42 | 1.0 | 2.1 | | | | |
| | eS | ZNE 52 32 | | | | | | |
| | eSS | ZNE 55 12 | | | | | | |

AFIAMALU 1963

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-------|--------------|-----|-----|-----|----|----|----|
| JAN 1 | eL | ZE 57.3 | | | | | | |
| 4 | e | N 06 12.6 | | | | | | |
| | eL | ZE 13.7 | | | | | | |
| 4 | eiP | Z 06 14 56 | | | | | | |
| | iS | NE 15 43 | | | | | | |
| | ei | ZNE 19 45 | | | | | | |
| 4 | iP | Z 06 42 12 | | | | | | |
| 4 | eiP | Z 08 26 07 | | | | | | |
| 4 | eP | Z 12 23 48 | | | | | | |
| | iS | ZNE 28 54 | | | | | | |
| | eL | ZNE 31 28 | | | | | | |
| 4 | iP | Z 23 49 53 | | | | | | |
| | iS | NE 50 47 | | | | | | |
| 5 | iP | Z 00 30 13 | u | 4.1 | 1.2 | | | |
| | iS | NE 31 40 | | | | | | |
| 5 | iP | Z 03 12 53 | u | | | | | |
| | iS | NE 13 39.3 | | | | | | |
| 5 | eP | ZNE 13 09 20 | | | | | | |
| | iS | NE 13 07 | | | | | | |
| | eL | ZE 14 08 | | | | | | |
| 5 | iP | ZNE 18 11 57 | usw | | | | | |
| | iS | ZNE 12 30 | | | | | | |
| 6 | iP | Z 06 01 33.4 | | | | | | |
| 7 | eL | ZNE 06 40.5 | | | | | | |
| 7 | iP | Z 08 48 43.8 | | | | | | |
| 7 | iP | Z 11 58 47 | u | | | | | |
| | eS | ZE 12 07 08 | | | | | | |
| | e | N 08 10 | | | | | | |
| | eL | Z 11.5 | | | | | | |
| | eL | N 15.6 | | | | | | |
| | | | | | | | | |
| 7 | iP | Z 18 29 16 | | | | | | |
| | eiS | ZNE 44 | | | | | | |
| 7 | eP | Z 19 24 08 | | | | | | |
| | eS | E 27 45 | | | | | | |
| | eL | ZN 28 38 | | | | | | |
| 8 | eP | Z 13 32 30 | | | | | | |
| | eiS | ZNE 33 10 | | | | | | |
| 8 | iP | Z 14 41 49 | u | 1.9 | 1.8 | | | |
| | iS | NE 43 23 | | | | | | |
| 8 | iP | ZN 19 50 51 | | | | | | |
| | eiS | ZNE 51 35 | | | | | | |

Felt: Palmamal, Pomio, Karlai and Rabaul.

Felt: Rabaul.

Felt: Port Vila.

Felt: Boku, Solomon Is.

AFIAMALU

Amplitudes given are in millimetres, measured directly from the photographic paper records.

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-------|----------------|------|-----|-----|----|----|----|
| JAN 1 | iP | ZNE 12 23 53 | usw | 2.5 | 2.2 | | | |
| | eL | ZNE 31.2 | | | | | | |
| 1 | eiP | ZNE 16 29 13 | 12.5 | 1.7 | | | | |
| | eiS | ZNE 30 21 | | | | | | |
| 1 | eiP | ZNE 21 37 15 | | | | | | |
| | eiS | ZNE 44 | | | | | | |
| 1 | eiP | ZNE 22 35 17 | | | | | | |
| | iS | NE 52 | | | | | | |
| 1 | iP | Z 23 50 21.2 u | | | | | | |
| | i | Z 39 | | | | | | |
| | iS | NE 59 34 | | | | | | |
| | i | E 24 00 05 | | | | | | |
| | eLq | NE 07.8 | | | | | | |
| | eLr | N 11.5 | | | | | | |
| 2 | iP | Z 05 37 33 u | | | | | | |
| 2 | iP | ZNE 06 07 55 | | | | | | |
| | eiS | ZNE 08 16 | | | | | | |
| 2 | iP | Z 15 05 29 d | 1.0 | 1.9 | | | | |
| | eS | NE 12 48 | | | | | | |
| | eSS | ZE 15.8 | | | | | | |
| | e | N 18.2 | | | | | | |
| | eL | ZE 20.2 | | | | | | |
| | eL | ZE 22.4 | | | | | | |
| 2 | eP | Z 16 05 36 | | | | | | |
| | eS | NE 13 36 | | | | | | |
| | eL | NE 19 19 | | | | | | |
| 2 | eiP | Z 18 09 04 | 0.6 | 2.2 | | | | |
| 2 | iP | Z 18 35 55 u | 0.6 | 2.0 | | | | |
| 3 | eS | ZNE 03 25 24 | | | | | | |
| | eL | ZNE 34 40 | | | | | | |
| 3 | eiP | Z 09 46 42 | 1.0 | 2.1 | | | | |
| | eS | ZNE 52 32 | | | | | | |
| | eSS | ZNE 55 12 | | | | | | |

AFIAMALU 1961

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-------|------------------|-----|-----|----|----|----|-------------------------|
| JAN | eL | ZE 57.3 | | | | | | |
| | e | N 06 12.6 | | | | | | |
| | eL | ZE 13.7 | | | | | | |
| | eiP | Z 06 14 56 | | | | | | |
| | iS | NE 15 43 | | | | | | |
| | ei | ZNE 19 45 | | | | | | |
| | iP | Z 06 42 12 | | | | | | |
| | eiP | Z 08 26 07 | | | | | | |
| | eP | Z 12 23 48 | | | | | | |
| | iS | ZNE 28 54 | | | | | | |
| | eL | ZNE 31 28 | | | | | | |
| | | | | | | | | Felt: Rabaul. |
| | iP | Z 23 49 53 | | | | | | |
| | iS | NE 50 47 | | | | | | |
| 5 | iP | Z 00 30 13 u | 4.1 | 1.2 | | | | |
| | iS | NE 31 40 | | | | | | |
| 5 | iP | Z 03 12 53 u | | | | | | |
| | iS | NE 13 39.3 | | | | | | |
| 5 | eP | ZNE 13 09 20 | | | | | | |
| | iS | NE 13 07 | | | | | | |
| | eL | ZE 14 08 | | | | | | |
| | | | | | | | | Felt: Port Vila. |
| 5 | iP | ZNE 18 11 57 usw | | | | | | |
| | iS | ZNE 12 30 | | | | | | |
| 6 | iP | Z 06 01 33.4 | | | | | | |
| 7 | eL | ZNE 06 40.5 | | | | | | |
| | | | | | | | | Felt: Boku, Solomon Is. |
| 7 | iP | Z 08 48 43.8 | | | | | | |
| 7 | iP | Z 11 58 47 u | | | | | | |
| | eS | ZE 12 07 08 | | | | | | |
| | e | N 08 10 | | | | | | |
| | eL | Z 11.5 | | | | | | |
| | eL | N 15.6 | | | | | | |
| 7 | iP | Z 18 29 16 | | | | | | |
| | eiS | ZNE 44 | | | | | | |
| 7 | eP | Z 19 24 08 | | | | | | |
| | eS | E 27 45 | | | | | | |
| | eL | ZN 28 38 | | | | | | |
| 8 | eP | Z 13 32 30 | | | | | | |
| | eiS | ZNE 33 10 | | | | | | |
| 8 | iP | Z 14 41 49 u | 1.9 | 1.8 | | | | |
| | iS | NE 43 23 | | | | | | |
| 8 | iP | ZN 19 50 51 | | | | | | |
| | eiS | ZNE 51 35 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-------------------------------|-------------------------------|--|------|-----|----|----|----|
| JAN 9 | eiP ei(T) | ZNE ZNE | 02 06 13 19 36 | | | | | |
| 9 | eiP eiS | ZE NE | 21 38 34 39 19 | | | | | |
| 11 | eP eS eSS eLq eLr | Z ZNE ZNE ZNE ZNE | 12 24 48 35 12 40.2 47.3 50.2 | | | | | |
| 11 | eiP iS | Z N | 16 12 13 14 01 | | | | | |
| 11 | iP eiS eiT | ZN ZNE ZNE | 17 09 20.3 dn 12 06 22 47 | | | | | |
| 12 | eP eS eL | Z NE ZN | 00 25 06 29 34 31.2 | | | | | |
| 12 | iP iS | Z NE | 08 46 55 47 14 | 3.5 | 0.8 | | | |
| 13 | iP iS | Z N | 02 42 32.7 43 26 | 3.6 | 0.9 | | | |
| 13 | P eiS | Z ZNE | 04 17 00 19 47 | | | | | |
| 13 | iP | Z | 13 47 02.2 u | 1.5 | 2.5 | | | |
| 13 | eL | ZNE | 16 39.5 | | | | | |
| 14 | iP eS i i iL | Z NE Z E ZN | 11 24 12.2 d 27 46 35 39 39 34 41 46 | 3.1 | 2.1 | | | |
| 14 | iP iS | Z NE | 15 36 54.4 d 38 02 | | | | | |
| 15 | eS eL | ZN ZNE | 02 48 52 55 20 | | | | | |
| 15 | eS eL | ZNE ZE | 09 56.8 58.5 | | | | | |
| 15 | eiP iS | ZNE NE | 17 41 15 42 49 | | | | | |
| 15 | iP iS | Z NE | 19 28 39 u 30 15 | 10.3 | 2.0 | | | |
| 16 | eSS eL | E Z | 03 33 50 36.5 | | | | | |
| 16 | eL | ZN | 06 14.5 | | | | | |
| 17 | iP iS | ZN NE | 01 16 50.5 17 28 | 2.4 | 1.3 | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|--------------------------------|-------------------------|---|------|-----|----|----|-----------------|
| JAN 17 | iP iS | ZNE E | 16 30 01 u 22 | | | | | |
| 21 | iP eiS | Z NE | 09 48 32 d 50 05 | 0.7 | 1.8 | | | |
| 21 | eiP iS | Z NE | 18 37 01 56 | | | | | |
| 22 | iP eiS | Z NE | 15 30 36 d 32 53 | 0.4 | 2.0 | | | |
| 22 | iP iS | Z NE | 17 06 47.4 d 08 10 | | | | | |
| 22 | iP iS | Z NE | 18 30 21 d 31 51 | 1.5 | 1.3 | | | |
| 22 | iP iS | Z NE | 20 46 32.2 d 48 03 | | | | | |
| 23 | eiP iS | Z NE | 14 42 16 44 06.3 | | | | | |
| 23 | iP iS | ZNE NE | 19 43 43.4 usw 44 09.5 | 13.5 | 1.4 | | | |
| 24 | iP iS | ZNE NE | 12 09 33.7 une 53 | | | | | |
| | | | | | | | | Felt: Apia MM4. |
| 24 | eP iS eSS eSSS eLr | Z E ZE E ZE | 22 38 14 46 50 51 06 53 39 57.4 | | | | | |
| 25 | eiP | ZE | 00 20 19 | 0.9 | 1.9 | | | |
| 25 | iP | Z | 12 59 50.5 u | | | | | |
| 25 | eP eiS | Z NE | 16 16 27 18 19 | | | | | |
| 25 | iP iS | ZN NE | 16 58 02.6 d 59 07 | 1.0 | 2.1 | | | |
| 25 | iP | Z | 17 24 20 u | 0.6 | 2.0 | | | |
| 25 | iP iS eiT | ZN NE ZNE | 20 22 49 u 23 31 27 22 | | | | | |
| 26 | iP eiS | Z NE | 00 01 43 d 02 52 | 0.3 | 1.8 | | | |
| 26 | iP iS | ZE NE | 12 46 43.8 ue 47 06 | | | | | |
| 26 | iP iS | Z NE | 19 12 34.6 u 13 08 | | | | | |
| 27 | eiP iS eiT | Z NE ZNE | 00 51 22 52 15.3 56 10 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|---|---------------------------------------|--|-----|-----|-----|----|---------------------------------|
| JAN 27 | 1P 1S | Z NE | 02 29 53.9 31 21.9 | | | | | |
| 27 | 1P | Z | 18 53 14 | | | | | |
| | | | | | | | | Felt: Gavit, Karlai and Rabaul. |
| 28 | eL | Z | 00 36.5 | | | | | |
| 28 | e1P 1S | ZNE NE | 05 28 09 50 | | | | | |
| 28 | e1P eS e1T | Z NE ZNE | 07 48 19 49 18 53 11 | | | | | |
| 28 | 1P | Z | 10 28 34 | d | 0.7 | 2.0 | | |
| 28 | 1P | Z | 10 43 33.3 | d | 0.6 | 1.5 | | |
| 28 | eP | Z | 11 27 14 | | | | | |
| 28 | 1P e 1S 1SSS 1Lr | Z ZE NE NE E | 12 19 49.4 21 54 25 54 28 57 30 55 | u | | | | |
| 28 | eP 1PcP 1S 1 1SSS 1L 1L | Z ZE NE N NE NE ZNE | 13 11 53 12 35 20 57 21 36 28 34 30 42 31 48 | | | | | |
| 28 | 1P 1S | Z NE | 13 52 30 54 07 | | | | | |
| 28 | e1P e1S e1T | Z NE ZNE | 16 11 24 14 32 29 19 | | | | | |
| 28 | 1P | Z | 17 08 59.1 | u | 0.5 | 2.0 | | |
| 29 | 1P 1pP eS eL | Z Z NE NE | 09 32 12 51 41 09 49 48 | | | | | |
| 29 | 1P 1S | ZNE NE | 16 54 35 54 | une | 9.0 | 0.8 | | |
| 29 | e1P | Z | 20 36 58 | | | | | |
| 29 | 1P | ZN | 21 16 54.3 | d | 1.0 | 2.1 | | |
| 30 | e 1S | N ZE | 01 57 30 58 07 | | | | | |
| 30 | eP 1pP 1 eSKS ePS 1SS | ZN Z E NE ZNE ZNE | 10 24 11 28 32 43 34 46 37 30 43 38 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|--|---|--|-----|-----|-----|----|------------------|
| JAN 30 | 1P 1S | Z NE | 23 37 26.4 54 | | | | | |
| 31 | 1P eS eSS eL | Z ZNE Z ZNE ZE | 05 18 10 27 30 31 32 35.2 40.0 | d | 1.5 | 2.2 | | |
| 31 | 1P 1S e1T | Z NE ZNE | 16 24 07.5 25 51.5 30 27 | d | | | | |
| 31 | 1P | Z | 09 50 52 | d | 1.8 | 1.8 | | Felt: Honiara. |
| 2 | 1P 1S | Z E | 11 25(18) 27(18) | u | | | | |
| 2 | 1P e1S e1T | Z ZNE ZNE | 11 49(51) 50(51) 54(11) | u | | | | |
| 2 | 1P | Z | 16 45(14) | d | 0.7 | 2.0 | | |
| 4 | 1P eS eSS eL | Z ZNE ZNE ZE | 01 24 29 30 18 33.3 35.3 | d | 1.0 | 2.0 | | |
| 4 | 1P | Z | 09 19 14.5 | u | | | | |
| 4 | e1P eS eL | Z NE Z | 15 08 37 12 30 13.9 | | | | | Felt: Port Vila. |
| 4 | 1P eS | Z NE | 17 31 12 34 | u | | | | |
| 4 | 1P e1S | Z NE | 18 01 28 02 03 | u | | | | |
| 4 | eP eL | Z Z | 23 32 05 52.2 | | 0.4 | 1.9 | | |
| 5 | 1P e1S eT | Z NE ZNE | 19 33 49 37 08 53 02 | d | 0.5 | 2.0 | | |
| 5 | 1P ePP eS eSS e e eLq eLr | Z Z ZNE Z N Z NE ZNE | 20 52 12 55 30 21 02 38 08 02 28 15.5 15.8 19.2 | d | | | | |
| 6 | eS e eL | ZNE ZN ZNE | 01 44 50 50.6 01.5 | | | | | |
| 6 | 1P 1S | ZNE NE | 05 55 38.7 57 02.2 | dne | 3.0 | 2.0 | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-------|-------|----------------|-----|-----|----|----|----|
| FEB 6 | eIP | Z | 10 28 45 | 0.5 | 2.0 | | | |
| | eS | ZNE | 34 50 | | | | | |
| | e | NE | 38.3 | | | | | |
| | eL | Z | 40.5 | | | | | |
| 6 | iP | Z | 12 50 31.6 d | 0.9 | 2.3 | | | |
| 6 | iP | Z | 15 51 37.6 u | | | | | |
| | ei(S) | NE | 54 27 | | | | | |
| 6 | e(P) | Z | 18 51 26 | | | | | |
| 6 | eiP | Z | 19 28 04 | | | | | |
| | eiS | ZNE | 23 39 41 | | | | | |
| | | | 41 27 | | | | | |
| 7 | iP | ZNE | 01 25 36.6 dne | 1.3 | 2.3 | | | |
| | eiS | NE | 27 09 | | | | | |
| 7 | iP | Z | 10 10 44 d | 0.6 | 2.0 | | | |
| 7 | iP | Z | 15 45 01 u | | | | | |
| | iS | NE | 22 | | | | | |
| 7 | iP | Z | 17 11 20.4 d | | | | | |
| | eiS | NE | 13 35 | | | | | |
| | eT | ZNE | 23 21 | | | | | |
| 9 | eP | Z | 16 59 54 | 0.5 | 2.0 | | | |
| | eS | NE | 17 03 52 | | | | | |
| | e | NE | 05.0 | | | | | |
| | e | Z | 06.0 | | | | | |
| 9 | eP | ZNE | 17 10 46 | 0.7 | 1.0 | | | |
| | eS | NE | 13 04 | | | | | |
| 9 | eP | Z | 23 03 30 | | | | | |
| | eS | NE | 05 05 | | | | | |
| 9 | iP | Z | 23 19 25.4 d | | | | | |
| | eS | NE | 21 26 | | | | | |
| 10 | iP | Z | 07 39 20 d | 1.1 | 2.0 | | | |
| | eS | NE | 40 31 | | | | | |
| 10 | iP | Z | 11 20 28.8 u | 0.5 | 0.9 | | | |
| 11 | iP | Z | 02 21 32.9 u | 0.5 | 2.0 | | | |
| | eS | NE | 24 12 | | | | | |
| 11 | e | NE | 02 42.7 | | | | | |
| | e(S) | ZNE | 50.4 | | | | | |
| 11 | iP | Z | 04 40 08.8 d | | | | | |
| | eS | ZNE | 43 06 | | | | | |
| 11 | iP | Z | 07 18 12.7 d | | | | | |
| | eS | ZNE | 19 45 | | | | | |
| 11 | iP | Z | 10 59 17 d | | | | | |
| | eS | ZNE | 11 01 38 | | | | | |
| 11 | eP | Z | 12 23 15 | | | | | |
| | iS | ZNE | 58 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------------------------|-------|-------|--------------|-----|-----|----|----|----|
| 12 | eT | ZNE | 27 04 | | | | | |
| | iP | ZNE | 23 09 24 dne | | | | | |
| | | | 10 56 | 7.5 | 2.1 | | | |
| 13 | iP | ZNE | 09 01 44 u | | | | | |
| | iS | ZNE | 03 06 | | | | | |
| | | | 04 36 | 4.0 | 4.2 | | | |
| 13 | iP | Z | 06 18 | | | | | |
| | iPP | Z | 11 17 | | | | | |
| 13 | i | Z | 23 | | | | | |
| | iS | NE | 15 44 | | | | | |
| 13 | iS | E | 18 20 | | | | | |
| | i | E | 20 49 | | | | | |
| 13 | iLq | E | 23 58 | | | | | |
| | iLr | ZNE | 18 19 38 ue | | | | | |
| 13 | iP | ZE | 20 40 | | | | | |
| | i | NE | 24 05 | | | | | |
| 13 | i | E | 17 | | | | | |
| | iS | ZN | 25 28 | | | | | |
| 13 | i | N | 36 | | | | | |
| | iL | E | 26 00 | | | | | |
| 13 | iL | Z | 06 54 14 | | | | | |
| | eP | Z | 58.9 | | | | | |
| 13 | iS | NE | 07 00 32 | | | | | |
| | iL | E | 01 31 | | | | | |
| 13 | iL | Z | 35 | | | | | |
| | iP | ZE | 07 14 25 u | | | | | |
| 13 | iPP | ZE | 15 14 | | | | | |
| | iPP | Z | 17 12 | | | | | |
| 13 | iS | NE | 22 31 | | | | | |
| | iS | N | 23 30 | | | | | |
| 13 | i | Z | 24 22 | | | | | |
| | i | N | 29 37 | | | | | |
| 13 | i(L) | ZE | 30 09 | | | | | |
| | iL | ZE | 33 19 | | | | | |
| Felt: Darwin, Australia. | | | | | | | | |
| 14 | e | Z | 13 15.5 | | | | | |
| | e | ZNE | 18.4 | | | | | |
| | eL | ZNE | 23.4 | | | | | |
| 14 | iP | Z | 15 44 48 u | | | | | |
| | eS | ZN | 47 28 | | | | | |
| 14 | e | E | 22 04 44 | | | | | |
| | i | Z | 05 07 | | | | | |
| 14 | iP | Z | 22 15 54 u | 2.0 | 3.0 | | | |
| | iS | NE | 58.3 | | | | | |
| 14 | i | N | 22 31 | | | | | |
| | i | N | 25 51 | | | | | |
| 14 | eL | ZE | 26.2 | | | | | |
| | eL | ZNE | 30.4 | | | | | |
| 15 | iP | Z | 00 11 30.8 u | 0.8 | 2.0 | | | |
| 15 | iP | Z | 00 53 24.2 u | 0.9 | 1.9 | | | |
| | iS | N | 56 59 | | | | | |
| | eT | ZNE | 01 11 29 | | | | | |
| 15 | iP | Z | 05 44 14.3 u | 0.7 | 2.0 | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|---------------------|---------------------|-----------------------------------|----|-----|-----|----|----|
| FEB 15 | 1P 1S | Z NE | 06 56 36 57 48 | d | 0.5 | 2.0 | | |
| 15 | 1P 1S | Z NE | 07 17 34.3 19 43 | u | 0.8 | 1.8 | | |
| 15 | 1(s) | NE | 09 29 12 | | | | | |
| 15 | 1P 1S | ZE NE | 18 27 29.8 28 01 | dw | 4.1 | 0.9 | | |
| 15 | 1P 1S | ZNE N | 18 31 21.5 52 | | 9.5 | 1.9 | | |
| 16 | 1P | Z | 03 58 16 | u | 0.5 | 0.9 | | |
| 16 | 1P 1 1S | Z Z NE | 08 33 11 13.1 34 37.7 | u | 1.6 | 2.0 | | |
| 16 | 1P | Z | 10 56 39.2 | d | 1.6 | 1.4 | | |
| 16 | 1P 1S | Z NE | 13 24 18.5 25 55.2 | d | 0.4 | 1.0 | | |
| 16 | 1P | Z | 17 56 35 | | | | | |
| 17 | 1P 1S eT | Z NE ZNE | 17 11 38 12 47.4 18 15 | u | 0.6 | 1.3 | | |
| 17 | 1P 1S | Z N | 19 29 12.2 31 19 | u | 1.0 | 1.0 | | |
| 18 | 1P | Z | 14 23 52.4 | u | 0.7 | 2.0 | | |
| 20 | 1P 1S | Z ZNE | 06 48 09.4 49 38 | d | 2.0 | 2.0 | | |
| 20 | e1P 1S | Z N | 14 16 18 17 44 | | | | | |
| 20 | eS e eL eL | NE NE Z NE | 17 30 05 35 16 41.7 42.2 | | | | | |
| 21 | 1P | Z | 02 44 08 | u | 0.7 | 1.5 | | |
| 21 | 1P | Z | 13 17 53 | d | 1.5 | 1.1 | | |
| 21 | 1P 1S | Z NE | 13 17 53 19 07 | d | 1.5 | 1.1 | | |
| 21 | 1P 1S eT | Z NE ZNE | 14 30 07.8 31 08 36 53 | u | 2.2 | 1.7 | | |
| 21 | 1P 1S | ZE NE | 16 31 33 52 | dw | | | | |
| 22 | 1P 1S | Z NE | 08 00 49 02 16.5 | | 7.0 | 2.0 | | |
| 22 | eP | Z | 11 09 39 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---|---|--|-----|-----|-----|----|----|
| | eS | NE | 12 36 | | | | | |
| 23 | 1P 1S | Z NE | 14 35 41 37 20 | u | | | | |
| 23 | 1P | Z | 15 27 29.4 | u | 0.3 | 0.8 | | |
| 23 | 1P | Z | 20 00 11 | u | 1.0 | 2.0 | | |
| 24 | 1P 1S | Z NE | 06 38 09.3 39 41 | u | 1.8 | 1.7 | | |
| 24 | 1P 1S | Z NE | 08 02 57 03 48 | u | | | | |
| 24 | 1P 1S | Z NE | 13 08 49.1 09 48.6 | u | | | | |
| 24 | 1P 1PcP eS e eL | Z Z NE Z ZE | 13 46 36.2 47 02.9 57 03 14 10.7 12.4 | u | 0.5 | 1.9 | | |
| 24 | e(s) | NE | 17 41.6 | | | | | |
| 24 | 1P 1S | Z NE | 21 36 15.1 37 50 | u | 0.8 | 1.1 | | |
| 24 | 1P 1S | Z NE | 22 09 23.7 43 | | | | | |
| 25 | 1P eS | Z NE | 04 00 52.3 02 03 | d | 0.5 | 1.1 | | |
| 25 | 1P 1S | Z NE | 04 48 09 28.2 | | | | | |
| 25 | 1P 1S | Z NE | 16 46 17 36 | | | | | |
| 25 | e(s) eL | Z Z | 17 32.7 45.2 | | | | | |
| 26 | 1P eS | Z NE | 10 21 23 22 48 | d | 0.5 | 1.0 | | |
| 26 | 1P 1S | Z N | 14 04 32 06 22 | d | 0.3 | 1.0 | | |
| 26 | 1P 1 eS | Z Z NE | 15 12 26.4 13 05 15 04 | d | 0.7 | 1.0 | | |
| 26 | 1P 1P 1PcS 1S 1eS 1 1(SS) 1L | ZNE Z ZE N N Z E N | 20 21 42.9 22 45 27 21 50 51 30 52 31 02 11 | dsw | | | | |
| 26 | 1(P) 1 | Z Z | 20 53 47.6 55 07.1 | u | 0.7 | 2.1 | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|---------|------------|---------------|-----|----|----|----|-----|
| FEB 27 | 1P Z | 04 37 26.4 | 2.5 | 2.0 | | | | |
| | 1 E | 43 12 | | | | | | |
| | 1 Z | 24 | | | | | | |
| | 1S NE | 27 | | | | | | |
| | 1SS Z | 46 09 | | | | | | |
| | 1 N | 28 | | | | | | |
| | 1L Z | 48 42 | | | | | | |
| | 1L E | 52 | | | | | | |
| 27 | 1P Z | 05 07 39 | | | | | | u |
| 27 | 1P Z | 05 56 38 | | | | | | u |
| 27 | 1P ZNE | 05 57 20 | | | | | | usw |
| | 1S NE | 39.7 | | | | | | |
| 27 | 1P Z | 07 35 05 | | | | | | d |
| | 1S NE | 41 | | | | | | |
| | eT ZNE | 38 00 | | | | | | |
| 27 | eL ZNE | 20 43 36 | | | | | | |
| | | | Felt: Rabaul. | | | | | |
| 28 | 1P Z | 13 26 15 | 1.0 | 1.2 | | | | d |
| 28 | eP ZNE | 20 13 05 | | | | | | |
| | 1S NE | 32 | | | | | | |
| MAR 1 | 1P ZN | 02 33 33.2 | | | | | | |
| | 1S NE | 50 | | | | | | |
| 1 | 1P ZN | 04 41 25.7 | 2.5 | 2.0 | | | | d |
| | 1S NE | 42 54.3 | | | | | | |
| 1 | eS NE | 11 06.2 | | | | | | |
| | eL ZN | 17.1 | | | | | | |
| 1 | e ZNE | 12 15.5 | | | | | | |
| | e NE | 30.6 | | | | | | |
| | e Z | 31 06 | | | | | | |
| 2 | 1P Z | 05 11 16.5 | | | | | | |
| | 1S NE | 34.5 | | | | | | |
| 2 | e(S) NE | 05 55 04 | | | | | | |
| 2 | eiP Z | 08 45 30 | | | | | | |
| | S NE | 46 00 | | | | | | |
| 2 | e N | 09 44.1 | | | | | | |
| | eL ZN | 56.3 | | | | | | |
| 2 | 1P ZNE | 22 17 40 | | | | | | une |
| | 1S NE | 18 28 | | | | | | |
| 4 | eL ZN | 08 32.6 | | | | | | |
| 4 | 1P Z | 13 50 25 | 0.5 | 2.0 | | | | u |
| | 1S E | 14 00 07 | | | | | | |
| | e ZNE | 00.9 | | | | | | |
| | e ZNE | 04.8 | | | | | | |
| | e N | 07.7 | | | | | | |
| | e E | 10.0 | | | | | | |
| | eL Z | 12.7 | | | | | | |
| | eL NE | 13.3 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|---------|------------|----------------------------|-----|----|----|----|----|
| MAR 4 | 1P Z | 15 56 00.2 | 1.4 | 2.1 | | | | d |
| | eS NE | 16 06.4 | | | | | | |
| | e Z | 07.4 | | | | | | |
| | e N | 19.7 | | | | | | |
| | eL Z | 23.5 | | | | | | |
| 4 | 1P Z | 19 08 22 | 1.0 | 2.0 | | | | u |
| | e(S) NE | 11 42 | | | | | | |
| | e ZE | 13 06 | | | | | | |
| | | | Felt: Tanna, New Hebrides. | | | | | |
| 4 | 1P ZN | 22 15 19 | | | | | | |
| | 1S NE | 57.4 | | | | | | |
| 5 | 1P Z | 07 17 58 | 2.0 | 2.1 | | | | u |
| 5 | 1P ZE | 09 14 09.4 | 1.5 | 2.0 | | | | ue |
| | 1S NE | 17 37.4 | | | | | | |
| 5 | 1P ZN | 16 33 26.4 | | | | | | un |
| | 1S NE | 34 20 | | | | | | |
| 6 | ei(P) Z | 04 28 07 | | | | | | |
| | eiS NE | 29 44 | | | | | | |
| 6 | eL Z | 20 05.6 | | | | | | |
| 7 | 1P Z | 05 31 38 | 0.8 | 2.2 | | | | d |
| | ePPP Z | 35 02 | | | | | | |
| | iS ZNE | 39 33 | | | | | | |
| | i Z | 42 11 | | | | | | |
| | 1SSS NE | 45 06 | | | | | | |
| | 1L ZNE | 46 57 | | | | | | |
| 7 | 1P Z | 12 29 02.1 | 0.6 | 2.0 | | | | u |
| | eS ZNE | 39 37 | | | | | | |
| | i E | 40 35 | | | | | | |
| | eSS ZNE | 44.9 | | | | | | |
| | eSSS Z | 47.6 | | | | | | |
| | eLq ZNE | 51.7 | | | | | | |
| | eLr ZNE | 54.5 | | | | | | |
| 7 | eiP Z | 21 55 10 | | | | | | |
| | iS NE | 56 09.5 | | | | | | |
| 8 | 1P Z | 00 49 49 | | | | | | |
| | 1S NE | 50 23 | | | | | | |
| 8 | 1P Z | 01 15 56 | | | | | | |
| | 1S NE | 17 28 | | | | | | |
| 8 | 1P Z | 02 48 45 | 1.3 | 2.2 | | | | u |
| | 1S NE | 52 18 | | | | | | |
| | i Z | 53 43 | | | | | | |
| | | | Felt: Tanna, New Hebrides. | | | | | |
| 8 | 1P Z | 03 29 09.6 | 0.6 | 2.0 | | | | d |
| | eS NE | 32 42 | | | | | | |
| | i ZE | 34 02 | | | | | | |
| | | | Felt: Tanna, New Hebrides. | | | | | |
| 8 | 1P Z | 03 37 19 | 1.3 | 2.1 | | | | u |
| | i E | 21.6 | | | | | | |
| | e N | 40 38 | | | | | | |
| | 1S E | 42 10 | | | | | | |

| Date | Phase | h s | Az | Tz | An | Tn | Ae | Te |
|------|-------|-------|-----|--------|-----|-----|-----|----|
| MAR | 1 | Z | 15 | | | | | |
| | 1 | N | 10 | | | | | |
| | | | | | | | | |
| | 8 | 1P | Z | 11.3 | u | | | |
| | 8 | eiP | Z | 11.8 | | | | |
| | | 1 | Z | 11 | | | | |
| | | 1S | NE | 11.8 | | | | |
| | | 1 | NE | 5 | | | | |
| | 8 | 1P | Z | 11.5 | | | | |
| | | 1S | ZNE | 7 | | | | |
| | 8 | 1S | NE | 11.2 | | | | |
| | 9 | e(S) | E | 0.5 | | | | |
| | 9 | e | ZNE | 11.3 | | | | |
| | | eL | NE | 11.3 | | | | |
| | | eL | Z | 11.3 | | | | |
| | 9 | e | Z | 11.3 | | | | |
| | | e | N | 11.3 | | | | |
| | | eL | Z | 11.3 | | | | |
| | 9 | 1P | Z | 20.1 | d | 5.8 | 2.0 | |
| | | 1S | ZN | 10.3 | | | | |
| | 10 | 1P | Z | 01.6 | u | 2.7 | 2.0 | |
| | 10 | ei(P) | Z | 01.5 | | | | |
| | | 1S | N | 17 | | | | |
| | 11 | 1P | Z | 01.9 | | | | |
| | 11 | 1P | Z | 09.7.8 | | | | |
| | | 1S | NE | 13 | | | | |
| | 11 | 1P | Z | 11.2.7 | | | | |
| | | 1S | ZNE | 12 | | | | |
| | 11 | 1P | Z | 20.3 | | | | |
| | | 1S | NE | 17.5 | | | | |
| | 12 | 1P | Z | 01.5.4 | u | 2.5 | 1.8 | |
| | | 1S | NE | 9 | | | | |
| | 12 | 1P | ZN | 13.1 | ue | | | |
| | | S | N | 9 | | | | |
| | 12 | eiP | Z | 17.7 | | | | |
| | | ei(S) | NE | 7 | | | | |
| | 12 | 1P | Z | 18.2 | u | | | |
| | | eiS | NE | 13 | | | | |
| | 13 | ei(P) | Z | 05.10 | | | | |
| | | 1S | NE | 10 | | | | |
| | | eiT | ZNE | 13 | | | | |
| | 14 | 1P | ZNE | 08.1 | une | | | |
| | | 1 | N | 1 | | | | |
| | | 1S | ZE | 1 | | | | |

Felt: Tanna, New Hebrides.

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|-------|-------|------------|------------|-----|-----|-----|----|
| MAR 15 | 1P | Z | 00 26 37.3 | | | | | |
| | 1 | Z | 35 17 | | | | | |
| | 1S | ZE | 34 | | | | | |
| | eSS | Z | 39.3 | | | | | |
| | eSSS | Z | 42.7 | | | | | |
| | e | N | 43.0 | | | | | |
| | eL | ZN | 46.0 | | | | | |
| | eL | E | 46 38 | | | | | |
| | 15 | 1P | ZE | 04 15 21 | uw | 4.1 | 1.1 | |
| | | 1S | NE | 41 | | | | |
| | 15 | eiP | Z | 06 47 22 | | | | |
| | | 1S | NE | 41 | | | | |
| | 16 | 1P | ZN | 08 55 45 | us | 6.5 | 1.8 | |
| | | 1PP | Z | 58 32 | | | | |
| | | 1S | N | 09 04 28 | | | | |
| | | 1S | ZE | 42 | | | | |
| | | 1 | E | 05 06 | | | | |
| | | 1SS | ZNE | 08 12 | | | | |
| | | 1Lq | NE | 12 00 | | | | |
| | | 1Lr | E | 14 40 | | | | |
| | | 1L | N | 15 10 | | | | |
| | | M | N | 24 | | | | |
| | | eT | ZNE | 10 07 31 | | 1.0 | 0.7 | |
| | 16 | 1P | Z | 13 20 02 | u | | | |
| | | 1S | N | 21 19 | | | | |
| | | eiT | ZNE | 27 03 | | | | |
| | 16 | eiP | Z | 21 41 53 | | 1.0 | 1.0 | |
| | | 1S | NE | 43 12 | | | | |
| | | i(L) | Z | 44 25 | | | | |
| | | eiT | ZNE | 48 17 | | | | |
| | 17 | 1P | ZE | 05 59 16 | dw | 9.5 | 1.5 | |
| | | 1S | N | 37.5 | | | | |
| | 18 | 1P | Z | 04 03 49 | | 1.9 | 2.0 | |
| | | eiS | NE | 06 14 | | | | |
| | | eiT | ZNE | 16 36 | | | | |
| | 18 | 1P | Z | 04 29 20 | d | | | |
| | | eS | E | 32 30 | | | | |
| | | eiT | ZNE | 42 07 | | | | |
| | 18 | 1P | Z | 07 31 25.1 | d | 0.5 | 2.0 | |
| | | 1S | NE | 33 03 | | | | |
| | 18 | 1P | ZNE | 13 18 09 | use | | | |
| | | 1S | NE | 19 36.6 | | | | |
| | 19 | eS | ZNE | 05 54 50 | | | | |
| | 19 | eP | ZN | 13 17 44 | | | | |
| | | e | N | 19.0 | | | | |
| | | eS | ZNE | 21 12 | | | | |
| | 19 | 1P | Z | 14 46 17 | d | 1.0 | 2.0 | |
| | | eS | NE | 49 44 | | | | |
| | | e | ZN | 50.12 | | | | |
| | 20 | 1P | Z | 04 45 24 | d | 1.5 | 0.8 | |
| | | 1 | ZNE | 47 09 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|--|------------------------------------|---|--|-----|-----|----|----|
| MAR | 1S | NE | | | | | | 16 |
| 20 | 1P 1S | Z ZNE | 04 48 49 | 03.5 43.6 | | | | |
| 20 | e(s) 1 | ZNE E | 09 01 03 | 20 29 | | | | |
| 20 | 1P 1S | Z NE | 10 45 32 | 10.2 d | 5.2 | 1.0 | | |
| 20 | 1P eS eSS eLr eLq eLq iL | Z N ZNE ZN N E Z | 16 47 52 55 58 17 00 03 17 00 03 | 52 d 54 08 29 22 42 52 | 0.5 | 2.2 | | |
| 20 | 1P 1S | Z NE | 20 02 03 | 43 11 | | | | |
| 20 | 1P 1S | Z NE | 20 46 46 | 27 46 | | | | |
| 20 | 1P 1S | Z ZNE | 23 43 34 | 13.6 34 | | | | |
| 21 | e1P 1S | Z NE | 01 14 15 | 31 48.7 | | | | |
| 21 | 1P 1S | Z NE | 16 22 23 | 40 10 | 5.8 | 1.2 | | |
| 21 | e1P 1S | Z NE | 21 04 05 | 11 09 | | | | |
| 22 | e e(L) eL | ZNE NE ZNE | 12 47 50.6 52 | 12 | | | | |
| 23 | 1P e1(S) | Z NE | 01 13 16 | 47 u 09 | 1.0 | 1.9 | | |
| 23 | 1P 1S | Z NE | 14 37 43 | 19.7 d 43 | 3.4 | 1.2 | | |
| 23 | 1P e1S | Z NE | 22 30 32 | 42.4 18 | | | | |
| 24 | eS 1SS iL | NE E E | 02 26 31 40 | 30 06 06 | | | | |
| 24 | eS eSS eL | E NE E | 09 46 49 51 | 04 43 47 | | | | |
| 24 | 1P | Z | 09 54 | 06.7 d | | | | |
| 24 | 1P 1S | Z N | 18 22 23 | 05.2 d 04 | | | | |
| 24 | 1P | Z | 20 21 | 02 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|--|------------------------------------|---|--|-----|-----|----|------------------|
| MAR 25 | 1S eLq eLr | Z ZN ZN | 20 33 39 42.0 | 55 30 | | | | u |
| 26 | 1P 1S | Z NE | 03 12 26 | 12 26 | | | | |
| 26 | 1P s | ZNE ZNE | 08 24 42 | 22.2 use 42 | | | | |
| 26 | 1P 1S | Z NE | 09 52 54 | 08 59 | | | | u |
| | | | | | | | | Felt: Raoul Is. |
| 26 | 1P e1S | Z NE | 11 01 02 | 13 38 | 0.6 | 0.8 | | u |
| 26 | e1P e1S | Z NE | 11 49 52 | 55 40 | | | | |
| | | | | | | | | Felt: Raoul Is. |
| 26 | e1P e1S e1(T) | Z NE ZNE | 12 55 58 13 10 | 23 18 12 | | | | |
| 26 | e1P 1 1S 1S e1T | Z ZNE E N ZNE | 13 28 29 31 32 40 | 47 02 50 16 05 | | | | |
| 26 | eP | Z | 14 38 | 51 | | | | |
| | | | | | | | | Felt: Port Vila. |
| 26 | 1P 1S | ZNE NE | 18 28 36 | 14.3 unw 36 | 5.0 | 1.0 | | |
| 26 | 1P eS e iL eL | Z NE E E ZN | 21 45 55 22 02 05 06.0 | 52 d 04 46 54 0 | 1.2 | 2.0 | | |
| 26 | 1P | Z | 22 12 | 42.3 u | 1.1 | 1.2 | | |
| 27 | 1P 1S 1 1 e1T | Z NE N E ZNE | 00 28 29 12 18 31 | 17 d 02.1 12 18 54 | | | | |
| 27 | 1P 1S | Z N | 02 29 30 | 57 17 | | | | |
| 27 | 1P 1S | Z NE | 13 59 52 | 11 52 | | | | u |
| 28 | eSKS e 1SKSP 1PPS 1SS 1 1(SSS) | N Z N ZN E ZN ZN | 00 42 45 46 48 53 54 58 | 04 08 41 08 38 02 06 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|-------------------------------------|----------------------------------|--|-----|------|-----|----|----|
| MAR 28 | 1P 1S | ZNE NE | 07 24 33 58 | unw | 11.5 | 1.0 | | |
| 28 | eiP i e eiS eL ei(T) | Z E NE ZNE ZNE | 11 16 20 17 24 19 20 32 30 02 | | | | | |
| 28 | eiP 1S | Z NE | 14 35 44 36 04 | | | | | |
| 28 | 1P 1S | Z N | 16 20 48 22 32.4 | d | 0.5 | 1.6 | | |
| 28 | 1P 1S | Z NE | 17 26 15.3 33.2 | | | | | |
| 28 | eiP 1S eL eiT | Z NE ZNE ZNE | 23 32 59 35 43 36.0 46 07 | | 1.5 | 2.3 | | |
| 29 | 1P 1S | Z ZNE | 16 57 17.6 43 | | 3.4 | 0.8 | | |
| 29 | eiP ei(S) | Z NE | 21 20 27 23 23 | | | | | |
| 29 | ei(P) 1S | Z NE | 22 25 04 26 13.4 | | | | | |
| 30 | 1P eiS | Z NE | 00 56 37.2 58 22 | u | | | | |
| 30 | 1P 1S | Z NE | 02 17 10 31 | | | | | |
| 30 | e(S) | NE | 11 43 54 | | | | | |
| 30 | eiP eS e eL eL eiT | Z NE E NE ZNE ZNE | 17 03 01 12 08 16 36 19 26 22 58 18 17 14 | | 0.5 | 2.1 | | |
| 30 | 1P eiS | Z NE | 17 05 52 08 11 | d | 1.0 | 1.5 | | |
| 30 | eiP 1S | Z ZNE | 22 45 18 51.5 | | | | | |
| 31 | eiP 1S | Z NE | 04 13 16 38 | | | | | |
| 31 | eiP e(s) | Z E | 04 58 55 05 09 30 | | 0.6 | 2.2 | | |
| 31 | eiP 1S 1L eiT | Z NE N ZNE | 05 34 32 37 27 38 05 44 10 | | 2.9 | 2.1 | | |
| 31 | 1P | Z | 07 15 02 | u | 2.6 | 2.2 | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-------------------------------|----------------------------|---|----|-----|-----|----|----|
| MAR | i eS e i 1L | Z ZNE ZN E ZE | 15 21 02 23 21 24 05 26 18 | | | | | |
| 31 | eiP eiS ei(T) | Z NE ZNE | 08 16 22 19 04 30 50 | | | | | |
| 31 | eiP eiS eiT | Z NE ZNE | 09 11 08 14 04 28 07 | | | | | |
| 31 | eiP 1S | Z NE | 11 10 35 11 36 | | | | | |
| 31 | eiP eiS | Z NE | 11 15 27 16 06 | | | | | |
| 31 | 1P 1S | Z NE | 11 19 29 47.5 | | | | | |
| 31 | 1P 1S | Z NE | 14 28 15 47.4 | | | | | |
| 31 | eiP eiS | Z NE | 17 29 48 34 50 | | | | | |
| 31 | eiP i 1S 1L eiT | Z Z NE ZNE ZNE | 19 26 41 49 29 37 52 37 01 | | | | | |
| APR 1 | 1P eS eL | E ZN ZNE | 02 27 23 36 14 38.5 | | 1.0 | 2.0 | | |
| 1 | ei(P) | NE | 07 06 45 | | | | | |
| 1 | eS | N | 08 37.2 | | | | | |
| 1 | eiP 1S | NE NE | 15 01 44 03 05 | | | | | |
| 1 | eiP 1S | NE NE | 16 53 32 54 02.3 | | | | | |
| 2 | eiP i ei | Z NE ZNE | 04 29 26 30 13.8 33 44 | | | | | |
| 2 | eP e eiS e(L) eiT | Z N NE NE ZNE | 04 47 10 20 50 01 06 05 01 04 | | | | | |
| 2 | 1P 1S | Z NE | 08 13 18 42 | | | | | |
| 2 | 1P | Z | 16 29 31.6 | d | 1.0 | 2.0 | | |

Felt: Popondetta, Walindi and Kandrian.

| Date | h | m | s | Az | Tz | An | Tn | Ae | Te |
|-------|----|------|------|-----|-----|-----|----|----|----|
| APR 3 | 11 | 25 | 34 | | | | | | |
| | 28 | 13 | | | | | | | |
| | 39 | 14 | | | | | | | |
| 3 | 12 | 50 | 01 | | | | | | |
| | 51 | 34 | | | | | | | |
| 3 | 14 | 57 | 10 | | | | | | |
| | 15 | 04 | 50 | | | | | | |
| | | 08.3 | | | | | | | |
| | | 10 | 00 | | | | | | |
| 3 | 18 | 57 | 04 | d | 1.0 | 1.1 | | | |
| | 59 | 17 | | | | | | | |
| 4 | 04 | 45 | 02 | | | | | | |
| | | 34 | | | | | | | |
| 4 | 05 | 16 | 38.3 | | | | | | |
| | | 17 | 05.2 | | | | | | |
| 4 | 08 | 43 | 18 | | | | | | |
| | | 44 | 33.7 | | | | | | |
| 4 | 08 | 49 | 57 | | | | | | |
| | | 51 | 16 | | | | | | |
| 5 | 02 | 00 | 47.4 | | | | | | |
| | | 01 | 04 | | | | | | |
| 6 | 05 | 37 | 52 | | | | | | |
| | | 40 | 35 | | | | | | |
| 6 | 07 | 05 | 00.7 | dne | 5.5 | 2.2 | | | |
| | | 06 | 30 | | | | | | |
| 6 | 13 | 50 | 34 | | | | | | |
| | | 51 | 27 | | | | | | |
| 6 | 18 | 06 | 48 | | | | | | |
| | | 10 | 03 | | | | | | |
| 6 | 21 | 18 | 33 | dsw | | | | | |
| | | 19 | 05.4 | | | | | | |
| 7 | 00 | 43 | 16 | | | | | | |
| | | 36 | | | | | | | |
| 7 | 04 | 00 | 07 | 2.9 | 2.0 | | | | |
| | | 02 | 04 | | | | | | |
| | | 07 | 06 | | | | | | |
| 7 | 06 | 19 | 46 | | | | | | |
| | | 20 | 06.5 | | | | | | |
| 7 | 12 | 20 | 11 | | | | | | |
| | | | 38 | | | | | | |
| 7 | 17 | 12 | 47.9 | | | | | | |
| | | 13 | 27 | | | | | | |
| 7 | 20 | 40 | 28 | | | | | | |
| | | 42 | 10 | | | | | | |
| 7 | 22 | 48 | 30 | 8.9 | 2.2 | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|------|-------|-----|----|------|------|------|-----|-----|----|------------------|
| APR | iP | ZNE | | 31 | | | | | | |
| | eS | N | | 58 | | | | | | |
| | eSS | ZNE | 23 | 04.2 | | | | | | |
| | eSSS | N | | 07.2 | | | | | | |
| | e | N | | 11.5 | | | | | | |
| | eLq | Z | | 14.5 | | | | | | |
| | eLr | ZE | | 17 | | | | | | |
| 8 | iP | Z | 04 | 11 | 30.3 | | | | | |
| | iS | N | | 12 | 20 | | | | | |
| 8 | iP | Z | 06 | 34 | 41.6 | d | | | | |
| 8 | iP | Z | 08 | 01 | 23 | d | 0.5 | 1.9 | | |
| | eS | ZE | | 06 | 28 | | | | | |
| | | | | | | | | | | Felt: Port Vila. |
| 8 | eIP | Z | 12 | 55 | 03 | | | | | |
| | iS | NE | | | 36 | | | | | |
| 8 | iP | Z | 22 | 40 | 26 | u | 0.5 | 2.0 | | |
| | iS | NE | | | 42 | 45.7 | | | | |
| 8 | eIP | Z | 23 | 18 | 09 | u | | | | |
| | iP | Z | | | 10.4 | | | | | |
| | eIS | NE | | | 20 | 02 | | | | |
| 9 | iP | Z | 00 | 25 | 44.2 | | | | | |
| | iS | NE | | | 26 | 07 | | | | |
| 9 | iP | ZNE | 02 | 04 | 20 | dsw | 9.5 | 2.1 | | |
| | iS | E | | | 05 | 49.8 | | | | |
| 9 | iP | Z | 04 | 36 | 56 | d | | | | |
| | i | E | | | 59 | | | | | |
| 9 | iP | Z | 11 | 46 | 22.5 | | | | | |
| | iS | ZNE | | | 42 | | | | | |
| 9 | iP | ZNE | 15 | 26 | 34.2 | use | 1.5 | 1.4 | | |
| | i | ZNE | | | 27 | 04 | | | | |
| | ei(s) | ZNE | | | 28 | 44 | | | | |
| | ei | ZNE | | | 33 | 03 | | | | |
| 9 | iS | NE | 17 | 23 | 02 | | | | | |
| 9 | iP | ZE | 21 | 09 | 15 | uw | | | | |
| | ei(s) | NE | | | 10 | 56 | | | | |
| 9 | iP | Z | 23 | 02 | 37 | d | 0.5 | 1.8 | | |
| 10 | iP | ZNE | 00 | 25 | 25.6 | use | | | | |
| | iS | NE | | | 44 | | | | | |
| 10 | iP | Z | 08 | 01 | 10 | u | 0.9 | 2.0 | | |
| | eS | NE | | | 09 | 04 | | | | |
| | eSSS | N | | | 15.4 | | | | | |
| | eL | NE | | | 18.2 | | | | | |
| | eL | Z | | | 20.1 | | | | | |
| 10 | iP | ZE | 12 | 29 | 27.1 | dw | 2.0 | 1.0 | | |
| | i | Z | | | 47 | | | | | |
| | iS | NE | | | 30 | 56 | | | | |
| 10 | eIP | Z | 18 | 49 | 14 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|----------------------------------|------------------------------|--|-----|-----|----|-----|----|
| APR | 1S | NE | | | | | 38 | |
| 11 | 1P 1S | ZNE NE | 04 59 56 | | | | dne | |
| 11 | eiP eS eT | Z NE ZNE | 09 59 50 10 00 35 04 16 | | | | | |
| 11 | 1P 1S | Z ZNE | 15 28 40 29 02.8 | | | | | |
| 11 | 1P 1S | Z E | 18 27 16.2 29 56 | | | | d | |
| 11 | eiP 1S | Z NE | 19 20 29 21 25 | | | | | |
| 11 | 1P 1S | Z NE | 20 38 49.4 39 35 | 1.9 | 1.5 | | | |
| 11 | 1P 1S | Z NE | 21 01 02 46 | | | | | |
| 12 | e1P 1S 1L eL | Z ZE NE Z | 08 47 23 52 08 53 48 54 01 | 0.9 | 2.0 | | | |
| 12 | 1P eS | Z NE | 16 36 20.3 41 | | | | | |
| 12 | 1P eS | ZNE NE | 20 49 06 26 | | | | dsw | |
| 13 | 1P 1PcP 1S 1 eL | Z Z E E E | 02 34 04 34.3 44 31 45 14 03 04.5 | 1.1 | 2.1 | | u | |
| 13 | 1P 1 1S | Z N NE | 03 22 13 23 15 22 | 3.4 | 0.9 | | u | |
| 13 | 1P 1S | Z NE | 14 28 55 29 15 | | | | | |
| 13 | 1P eS 1 eSS eL eL | Z NE N NE N E | 14 40 38 48 07 19 50 34 54 26 57 36 | 0.9 | 2.0 | | u | |
| 13 | 1P 1S | Z NE | 17 34 25 35 57 | | | | d | |
| 13 | 1P 1S | Z E | 18 02 04 30 | | | | | |
| 13 | 1P | Z | 18 14 13.8 | | | | | |
| 13 | e1P 1S | Z E | 22 11 53 15 14 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--|----------------------|------------------|----------------------------|-----|-----|----|-----|----|
| APR 14 | 1P 1P eS | Z Z NE | 05 36 41 44.4 40 04 | 2.4 | 2.0 | | | |
| 14 | 1P 1S | Z NE | 08 49 16.2 36 | | | | | |
| 14 | eiP eiS | Z ZNE | 13 27 38 28 05 | | | | | |
| 14 | 1P 1S | Z NE | 14 02 33 52.2 | | | | | |
| 14 | 1P 1S | Z E | 18 07 04.2 37.2 | | | | | |
| 15 | 1P eiS | Z NE | 01 35 38 57 | | | | | |
| 15 | 1P eiS | Z NE | 05 38 33.6 53 | | | | | |
| 15 | 1P eiS | Z NE | 14 45 17 46 10 | | | | | |
| 15 | e1P 1S | Z E | 16 05 55 06 28.7 | | | | | |
| 15 | 1P 1S | Z E | 19 50 48.6 52 33.7 | 0.5 | 1.3 | | | |
| 15 | eiP 1 ei 1S | Z Z E N | 23 40 36 39 40 50 | | | | | |
| 16 | eP | N | 01 39 35 | | | | | |
| From Apia seismograph. Afiamalu recording interrupted. | | | | | | | | |
| 16 | 1P 1S | Z NE | 05 33 50.6 35 18 | 3.0 | 1.8 | | | |
| 16 | 1P | Z | 09 20 43.8 | 0.5 | 2.1 | | | |
| 16 | 1P | Z | 12 14 00 | 0.9 | 2.3 | | | |
| 16 | 1P | Z | 17 11 46.5 | | | | | |
| 16 | eiP 1S | Z NE | 21 55 52 56 29 | | | | | |
| 17 | 1P 1S | ZNE NE | 02 14 00.4 16 02 | 3.3 | 2.0 | | dsw | |
| 17 | 1P 1S | Z NE | 04 14 23 40 | | | | | |
| 17 | 1P 1S | Z NE | 08 24 19 49 | | | | ue | |
| 17 | e1P 1S eT | Z N ZNE | 12 14 44 15 28 19 03 | 1.5 | 1.4 | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|--|---|--|-----|-----|----|----|----|
| APR 17 | e e(L) | E ZN | 19 07 56 13.1 | | | | | |
| 18 | iP | ZE | 03 24 25.6 uw | 1.3 | 1.9 | | | |
| 18 | iP eS | Z NE | 05 24 59 25 18 | | | | | |
| 18 | iP eIS | Z NE | 16 04 57 06 08 | 0.5 | 1.2 | | | |
| 18 | iP IS | Z NE | 21 10 35 58 | | | | | |
| 19 | ei(P) | Z | 04 41 38 | | | | | |
| 19 | iP IS ei | Z NE ZNE | 04 42 04.6 u 46.3 44 44 | | | | | |
| 19 | iP eIS | Z NE | 04 50 16 45 | | | | | |
| 19 | eiP eIS | Z NE | 07 16 23 44 | | | | | |
| 19 | eSKS IScS eS e i i(SS) e(SSS) i iL | NE NE ZNE Z N E N E N | 07 59 38 08 00 46 02 00 06 28 07 18 25 13 36 14 36 16 14 | | | | | |
| 19 | iP IS | Z NE | 10 01 04 31 | | | | | |
| 19 | iP | Z | 10 32 48 u | 0.6 | 1.3 | | | |
| 19 | iP IS | Z NE | 11 53 55.6 54 16 | | | | | |
| 19 | iP IS | Z NE | 12 21 10 31 | | | | | |
| 19 | iP eIS | Z NE | 15 59 51 16 00 11 | | | | | |
| 20 | eiP IS | Z NE | 03 57 35 56 | | | | | |
| 20 | iP IS | ZE NE | 08 15 05 uw 16 51 | 2.5 | 1.3 | | | |
| 20 | eiP IS | Z NE | 17 26 49 27 21.2 | | | | | |
| 20 | iP IS | Z N | 18 55 17.3 u 40 | 1.0 | 2.0 | | | |
| 21 | e(P) e(S) eL | Z NE ZNE | 04 59 42 05 12 24 17.4 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|------------------|----------------|--------------------------------|-----|-----|----|----|----|
| APR 21 | iP e eS | Z Z NE | 10 46 21.8 d 52 46 56 06 | 0.8 | 2.1 | | | |
| 21 | eiP IS | Z NE | 17 10 15 43 | | | | | |
| 22 | iP IS | Z NE | 05 22 43.4 23 06 | | | | | |
| 22 | iP IS | Z NE | 05 53 48.3 54 07.6 | | | | | |
| 22 | iP IS | Z E | 06 58 12.1 31.1 | | | | | |
| 22 | eiP eS | Z NE | 07 24 03 41 | | | | | |
| 22 | eiP eS eT | Z NE ZNE | 07 29 24 32 12 43 22 | 1.1 | 2.0 | | | |
| 22 | iP eIS | Z NE | 11 24 01 55 | | | | | |
| 22 | iP IS | Z NE | 13 36 30 52 | | | | | |
| 22 | eiP IS eIS | Z E N | 15 08 33 09 39 41 | | | | | |
| 22 | eiP eIS | Z NE | 15 54 56 55 18 | | | | | |
| 22 | eiP IS | Z N | 19 53 32 54 00.1 | | | | | |
| 23 | iP IS | Z NE | 00 29 04.5 u 35 | 2.7 | 0.9 | | | |
| 23 | iP | Z | 02 49 52.4 u | 0.6 | 2.1 | | | |
| 23 | iP IS | Z NE | 03 25 26.4 43.4 | | | | | |
| 23 | eP eIS | Z NE | 05 43 39 44 19 | | | | | |
| 23 | iP | Z | 15 34 45 d | | | | | |
| 23 | iP IS | Z NE | 23 06 46.9 07 24 | | | | | |
| 23 | eP eIS | Z NE | 23 43 28 44 11 | | | | | |
| 24 | iP IS | ZE E | 03 56 07 ue 51 | | | | | |
| 24 | iP IS | Z E | 04 41 07.5 27.5 | | | | | |
| 24 | iP | ZE | 21 45 05 | 1.1 | 1.0 | | | |

| Date | h | m | s | Az | Tz | An | Tn | Ae | Te |
|------|-----|------|---------|-----|-----|----|----|----|-----|
| APR | eE | 46 | 51 | | | | | | |
| 25 | 11 | 05 | 11 19 | | | | | | |
| | eE | 41 | 41 | | | | | | |
| 25 | eE | 06 | 40 05 | 0.5 | 2.3 | | | | |
| | eE | 41 | 43 | | | | | | |
| 25 | 11 | 08 | 22 58 | | | | | | d |
| 25 | e1 | 17 | 52 36 | | | | | | |
| | eE | 54 | 17 | | | | | | |
| | eNE | 58 | 42 | | | | | | |
| 26 | 11 | 00 | 06 11.4 | | | | | | |
| | eE | 53 | | | | | | | |
| 26 | e1 | 07 | 36 37 | | | | | | |
| | eE | 37 | 07 | | | | | | |
| 26 | 11 | 08 | 00 20 | | | | | | |
| | 11 | 01 | 08 | | | | | | |
| 26 | e1 | 08 | 19 19 | | | | | | |
| | 11 | 23 | | | | | | | |
| | eE | 20 | 05 | | | | | | |
| 26 | e1 | 22 | 04 30 | | | | | | |
| | eE | 05 | 00 | | | | | | |
| 27 | e1 | 08 | 34 24 | | | | | | |
| | 11 | 53 | | | | | | | |
| 27 | eE | 09 | 01.5 | | | | | | |
| | 11 | 02 | 22 | | | | | | |
| | e1 | 05 | 48 | | | | | | |
| | e1 | 08.8 | | | | | | | |
| | e1 | 09.4 | | | | | | | |
| | e1 | 10.6 | | | | | | | |
| 27 | e1 | 18 | 55 17 | | | | | | |
| | 11 | 51 | | | | | | | |
| | 11 | 59 | | | | | | | |
| | 11 | 56 | 08 | | | | | | |
| | 11 | 58 | 07 | | | | | | |
| 28 | 11 | 14 | 17 58 | | | | | | une |
| | e1 | 19 | 28 | | | | | | |
| 28 | e1 | 15 | 26 36 | | | | | | |
| | 11 | 27 | 26 | | | | | | |
| 28 | e1 | 20 | 03 49 | | | | | | |
| | 11 | 04 | 12 | | | | | | |
| 29 | e1 | 03 | 37 05 | | | | | | |
| | 11 | 39 | 10 | | | | | | |
| | 11 | 37 | | | | | | | |
| | e1 | 41 | 27 | | | | | | |
| 29 | e1 | 04 | 59 13 | | | | | | |
| | 11 | 39 | | | | | | | |
| | 11 | 05 | 01 31 | | | | | | |
| 29 | 11 | 06 | 03 33.6 | | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|--------|-------|-----|------|----|------|----|----|----|----|-------------|
| APR 29 | e1P | 09 | 46 | 23 | | | | | | |
| | 1 | E | 48 | 04 | | | | | | |
| | e1(S) | E | 35 | | | | | | | |
| 29 | eP | 20 | 51 | 03 | | | | | | |
| | 1 | E | 18.3 | | | | | | | |
| | e1 | E | 39 | | | | | | | |
| | e1 | ZE | 54 | 10 | | | | | | |
| 29 | 1P | Z | 21 | 55 | 04 | | | | | u |
| | 1S | ZN | 22 | 03 | 38 | | | | | |
| | eSS | ZN | 07 | 16 | | | | | | |
| | eSSS | ZN | 11 | 04 | | | | | | |
| | eL | ZN | 13 | 16 | | | | | | |
| 30 | 1P | Z | 01 | 08 | 25 | | | | | d |
| | ePP | N | 10 | 30 | | | | | | |
| | 1S | NE | 16 | 45 | | | | | | |
| | 1SS | ZN | 20 | 00 | | | | | | |
| | 1 | E | 21 | 11 | | | | | | |
| | 1SSS | N | 23 | 35 | | | | | | |
| | 1 | ZE | 54 | | | | | | | |
| | 1L | ZE | 27 | 08 | | | | | | |
| 30 | e1P | Z | 03 | 43 | 08 | | | | | |
| | 1S | E | 23 | | | | | | | |
| 30 | eS | N | 07 | 27 | 28 | | | | | |
| | eL | ZN | 37 | 20 | | | | | | |
| 30 | 1P | ZNE | 08 | 27 | 32 | | | | | dnw |
| | 1S | ZE | 28 | 22 | | | | | | |
| 30 | 1P | Z | 15 | 30 | 21.6 | | | | | |
| | 1S | E | 37.6 | | | | | | | |
| 30 | eLr | ZNE | 19 | 24 | 30 | | | | | |
| MAY 1 | 1P | ZNE | 10 | 07 | 32 | | | | | une 3.0 2.0 |
| | 1pP | Z | 57 | | | | | | | |
| | 1 | ZNE | 08 | 16 | | | | | | |
| | 1S | NE | 10 | 55 | | | | | | |
| | 1sS | ZE | 11 | 21 | | | | | | |
| 1 | eP | Z | 13 | 10 | 08 | | | | | |
| | e1S | E | 11 | 27 | | | | | | |
| 1 | 1P | Z | 16 | 11 | 06 | | | | | |
| | 1S | E | 26 | | | | | | | |
| 2 | e1(P) | Z | 13 | 28 | 40 | | | | | |
| | e1 | E | 30 | 40 | | | | | | |
| 2 | eP | Z | 18 | 28 | 15 | | | | | |
| | e1S | E | 29 | 06 | | | | | | |
| 2 | 1P | ZE | 20 | 00 | 22 | | | | | |
| | e1S | ZE | 48 | | | | | | | |
| 2 | e1P | Z | 20 | 08 | 24 | | | | | |
| | 1S | E | 42 | | | | | | | |
| 3 | 1P | Z | 08 | 22 | 32.6 | | | | | |
| | 1S | E | 53 | | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| MAY 3 | 1P 1S | ZNE NE | 10 55 08 24 | usw | | | | |
| 3 | 1P 1S | ZE NE | 11 11 24 52 | | | | | |
| 3 | 1P 1S | Z E | 22 52 14.6 32.2 | | | | | |
| 4 | eP e1S | Z E | 10 38 00 24 | | | | | |
| 4 | eP 1S | Z E | 14 49 14 31 | | | | | |
| 4 | eP 1S | Z E | 20 27 10 46 | | | | | |
| 5 | eP 1S | Z NE | 11 36 28 47.4 | | | | | |
| 5 | eP 1S | Z NE | 13 26 30 48 | | | | | |
| 5 | eP 1S | Z NE | 13 39 35 51 | | | | | |
| 5 | eP e1S | Z NE | 13 54 50 55 19 | | | | | |
| 5 | e1P 1S | Z NE | 14 49 37 56 | | | | | |
| 5 | 1P eS | Z ZNE | 17 12 47 13 29 | | | | | |
| 6 | e1P 1S | Z NE | 07 39 08 26 | | | | | |
| 6 | e1 | Z | 08 50 08 | | | | | |
| 6 | eP 1S | Z NE | 17 29 58 30 45 | | | | | |
| 6 | e1P 1S | Z NE | 20 55 43 56 01 | | | | | |
| 6 | e(P) e1(S) | ZNE NE | 23 45 13 47 43 | | | | | |
| 7 | 1P 1S | Z NE | 03 34 12.5 43 | | | | | |
| 7 | eP 1S | Z NE | 07 10 57 11 14 | | | | | |
| 7 | 1P 1S | Z N | 07 18 47.5 19 07 | | | | | |
| 7 | 1P 1S | Z NE | 10 08 50 09 06 | | | | | |
| 7 | 1P 1S | Z NE | 19 34 06.3 26.6 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| MAY 8 | 1P e1S | Z NE | 00 03 04 06 35 | 0.9 | 1.8 | | | |
| 8 | 1P 1S | ZE N | 02 12 16 13 57.1 | ue | 0.8 | 1.3 | | |
| 8 | 1P 1S | Z NE | 04 28 53 29 16 | u | 2.4 | 1.2 | | |
| 8 | e1P 1S | Z NE | 09 53 56 54 15 | | | | | |
| 8 | eP e1S | Z NE | 10 28 57 31 21 | | | | | |
| 8 | 1P eS 1S eSS eLq eLr | Z ZE N Z ZNE ZNE | 10 33 12 41 50 55 45 22 49 26 52 26 | u | | | | |
| 8 | 1P | Z | 15 34 37 | d | | | | |
| 8 | 1P 1S | ZNE NE | 19 16 48 17 35 | dsw | | | | |
| 8 | 1P 1S | Z NE | 20 28 33 51 | | | | | |
| 9 | 1P e1S | Z NE | 04 34 56.6 37 29 | 2.5 | 1.7 | | | |
| 9 | e1P e1S | Z NE | 07 29 26 32 14 | | | | | |
| 9 | eL eL | E Z | 15 43.8 44 02 | | | | | |
| 10 | 1P 1S | ZN NE | 00 10 42.2 13 10 | ds | 4.9 | 1.0 | | |
| 10 | 1P 1S | Z NE | 02 37 00.2 23 | | | | | |
| 10 | 1P eS eL | Z NE ZE | 04 33 15 37 06 38 34 | d | 0.5 | 2.0 | | |
| 10 | eP 1S | Z NE | 05 41 26 49 | | | | | |
| 10 | 1P e1S | Z NE | 14 46 25.7 45 | | | | | |
| 10 | eP ePP e eS e eSS e eL | ZE N ZN NE Z ZN ZN ZE | 22 46 38 49 32 53 44 55 12 56 44 23 00 30 02 08 05 16 | | | | | |
| 11 | 1P | Z | 04 45 55 | d | 7.0 | 1.6 | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-------|-------|---------|-------|-----|-----|-----|----|
| MAY | 1S | NE | 46 | 34 | | | | |
| 11 | 1P | Z | 07 39 | 00.2 | | | | |
| | 1S | NE | | 27 | | | | |
| 11 | e1P | Z | 07 51 | 43 | 1.0 | 1.5 | | |
| 11 | e | ZB | 18 30.5 | | | | | |
| 12 | 1P | Z | 04 52 | 51 | | | | |
| | 1S | NE | | 53 15 | | | | |
| 12 | 1P | Z | 09 51 | 39 | d | 0.5 | 2.2 | |
| | eS | ZNE | | 59 50 | | | | |
| | eL | ZNE | 10 | 04.7 | | | | |
| 12 | eP | Z | 10 55 | 23 | | | | |
| | 1S | NE | | 47 | | | | |
| 12 | eP | Z | 13 46 | 47 | | | | |
| | 1S | NE | | 47 12 | | | | |
| 12 | 1P | Z | 18 07 | 02.4 | 1.1 | 0.7 | | |
| | e1S | NE | | 22 | | | | |
| 12 | eL | N | 19 40 | 08 | | | | |
| 12 | 1P | Z | 20 20 | 02.1 | u | 0.8 | 2.1 | |
| | eS | NE | | 29 20 | | | | |
| | eL | ZNE | | 41 10 | | | | |
| 13 | 1P | Z | 07 13 | 42.7 | u | 1.5 | 2.0 | |
| | e1S | NE | | 16 13 | | | | |
| 13 | 1P | Z | 09 37 | 30.7 | | | | |
| | e1S | NE | | 48 | | | | |
| 13 | eP | Z | 09 55 | 19 | | | | |
| | 1S | NE | | 47 | | | | |
| | e1 | ZNE | | 57 53 | | | | |
| 13 | 1P | Z | 11 57 | 20 | u | 5.8 | 0.9 | |
| | 1S | NE | | 38 | | | | |
| 13 | e1P | Z | 14 11 | 56 | | | | |
| | i | Z | | 12 26 | | | | |
| | eS | ZN | | 15 08 | | | | |
| | i | ZNE | | 16 07 | | | | |
| | e | Z | | 17 20 | | | | |
| 13 | eP | Z | 15 37 | 05 | | | | |
| | 1S | N | | 49 | | | | |
| | e1T | ZNE | | 41 50 | | | | |
| 14 | 1P | Z | 12 05 | 23 | d | 0.7 | 1.3 | |
| | e(s) | NE | | 07 22 | | | | |
| 14 | 1P | Z | 15 18 | 15 | u | 0.6 | 1.3 | |
| 14 | 1P | Z | 20 02 | 37 | | | | |
| | e1S | NE | | 57 | | | | |
| 14 | 1P | Z | 22 06 | 28.7 | 1.2 | 1.0 | | |
| | 1S | NE | | 49 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|-------|-------|---------|---------|-----|-----|-----|----|
| MAY 16 | 1P | Z | 03 17 | 38 | 2.5 | 1.0 | | |
| | e1S | NE | | 59 | | | | |
| 16 | e(P) | Z | 07 08 | 23 | 2.5 | 1.0 | | |
| | e1 | ZNE | | 46 | | | | |
| | i | E | | 54 | | | | |
| | 1S | NE | | 09 53 | | | | |
| | i | NE | | 12 03 | | | | |
| | i | Z | | 26 | | | | |
| 16 | e1(P) | ZNE | 07 55 | 30 | 0.5 | 1.5 | | |
| | i | ZNE | | 57 53 | | | | |
| 16 | eP | Z | 12 16 | 03 | | | | |
| | 1S | NE | | 27 | | | | |
| | i | ZNE | | 18 54 | | | | |
| 16 | eP | Z | 12 55 | 07 | | | | |
| | i | NE | | 30 | | | | |
| | 1S | ZNE | | 36 | | | | |
| | i | ZNE | | 58 06 | | | | |
| 16 | e | N | 16 17.3 | | 0.7 | | | |
| | e(L) | ZN | | 21 46 | | | | |
| | eL | E | | 25 33 | | | | |
| 16 | 1P | Z | 18 23 | 04.4 | | | | |
| | i | NE | | 15 | | | | |
| 16 | 1P | Z | 19 22 | 04 | d | 1.7 | 1.2 | |
| | 1S | N | | 23 36 | | | | |
| 16 | 1P | Z | 20 52 | 14.3 | u | 2.6 | 1.1 | |
| | e1S | ZNE | | 53 08 | | | | |
| 17 | eL | ZN | 04 37 | 24 | | | | |
| 17 | e(L) | ZNE | 06 43 | 44 | | | | |
| 17 | 1P | ZNE | 07 37 | 10.6 | dne | 1.6 | 2.0 | |
| | 1S | NE | | 40 22.4 | | | | |
| 17 | eL | ZNE | 12 40 | 38 | | | | |
| 17 | e1P | ZB | 22 42 | 50 | 2.8 | 1.0 | | |
| | 1S | NE | | 44 47 | | | | |
| 18 | eL | ZNE | 06 16 | 42 | | | | |
| 18 | eP | Z | 12 31 | 48 | 0.6 | 2.0 | | |
| | e | N | | 40 10 | | | | |
| | eS | N | | 41 10 | | | | |
| | eSSS | N | | 48 54 | | | | |
| | eL | N | | 52 20 | | | | |
| | eL | ZB | | 55.3 | | | | |
| 18 | 1P | Z | 14 51 | 56 | 1.9 | 1.3 | | |
| | 1S | NE | | 52 30 | | | | |
| 18 | eP | Z | 17 52 | 10 | | | | |
| | 1S | N | | 41 | | | | |
| 19 | i | E | 01 38 | 14 | | | | |
| | 1L | ZB | | 41 39 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|--|---|-----|-----|----|----|----|----|
| MAY 19 | ei | ZNE 02 47 50 48 18 | | | | | | |
| 19 | iP iS | Z NE 03 12 56 13 19 | | | | | | |
| 19 | eiP iS | Z NE 06 13 22 40 | | | | | | |
| 19 | iP iS | Z NE 06 41 04 22 | | | | | | |
| 19 | ei(P) | Z 17 02 20 | 0.5 | 2.0 | | | | |
| 19 | iPKP e eSSP eSSS e eL eL | Z Z ZN ZN Z Z Z 21 54 59.2 u 22 13 08 14 24 18 48 21.6 28.9 31.2 | | | | | | |
| 20 | iP | Z 03 36 15 d | 1.0 | 2.0 | | | | |
| 20 | eiP iS | Z E 09 55 21 43 | | | | | | |
| 20 | eiP i i iS | Z ZNE NE ZNE 11 42 01 07 43 50 45 24 | | | | | | |
| 20 | eiP iS | Z E 16 51 35 56 | | | | | | |
| 21 | iP iS | Z E 06 43 44.5 44 03.9 | | | | | | |
| 21 | iP eS i iL | ZE NE NE Z 17 35 32.5 u 39 56 40 46 42 12 | | | | | | |
| 21 | iP eiS | Z E 17 53 36.3 d 55 31 | 0.6 | 1.9 | | | | |
| 21 | eiP eiS | Z E 21 04 03 05 36 | | | | | | |
| 22 | iP iS | Z E 03 44 02.6 24 | | | | | | |
| 22 | iP iS | Z E 06 28 03 35.8 | | | | | | |
| 22 | eiP iS | Z E 09 35 10 35 | | | | | | |
| 22 | eP iS | Z E 13 20 01 42 | | | | | | |
| 22 | iP eS eSS eLq | Z ZNE ZNE ZNE 14 07 49 d 16 20 20 44 24 30 | 0.8 | 2.0 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-----------------------|---|-----|-----|----|----|----|----|
| MAY | eLr eT | ZNE ZNE 27 42 15 22 31 | | | | | | |
| 22 | iP | Z 15 53 09.3 u | 1.4 | 2.0 | | | | |
| 22 | iP | Z 22 04 25 u | 1.2 | 2.2 | | | | |
| 23 | iP iS | ZE NE 03 34 34.7 u 35 24 | | | | | | |
| 23 | iP iS | ZE E 07 54 06 59 | 0.8 | 1.5 | | | | |
| 23 | eiP iS | Z E 08 44 01 45 39 | | | | | | |
| 23 | iP iS | Z E 20 37 04 44 | 1.1 | 1.0 | | | | |
| 24 | iP eiS | Z E 12 49 16 33 | | | | | | |
| 24 | iP iS | Z E 20 47 42 48 02 | | | | | | |
| 24 | iP iS | Z E 23 27 55.3 28 20 | | | | | | |
| 24 | iP | Z 23 33 55 | | | | | | |
| 25 | iP iS | Z E 05 44 58.5 45 18 | | | | | | |
| 25 | eiP eiS | Z E 05 49 52 50 11 | | | | | | |
| 25 | eiP eiS | Z E 10 36 18 35 | | | | | | |
| 25 | e e e eL | NE ZN N Z ZN 16 32 52 35 28 52.7 57.5 59.5 | | | | | | |
| 25 | eiP iS | Z E 22 14 10 16 11 | 0.4 | 1.0 | | | | |
| 26 | iP iS eL eiT | Z E ZN ZE 00 01 26 u 02 29 56 07 33 | 2.0 | 1.1 | | | | |
| 26 | eiP eiS | Z E 06 00 41 01 42 | 0.3 | 0.8 | | | | |
| 26 | e(P) ei(S) | Z E 06 05 39 06 43 | | | | | | |
| 26 | eiP eiS | Z E 09 38 37 40 03 | 0.8 | 1.9 | | | | |
| 26 | iP iS | ZE E 10 58 54 u 59 24 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|---------------------|--------------------|---|-----|-----|----|----|----|
| MAY 26 | 1P 1S | Z E | 16 03 43 04 04 | | | | | |
| 26 | 1P eS eL | Z Z Z | 23 18 20.5 27 46 39 34 | 0.5 | 1.8 | | | |
| 27 | 1P eS e eL | Z NE E ZN | 04 10 11.6 u 19 20 28 26 31 12 | | | | | |
| 27 | 1P 1S | Z E | 14 53 43 u 55 22 | 0.5 | 1.5 | | | |
| 27 | 1P 1S | Z E | 18 46 13.4 31 | | | | | |
| 28 | 1P 1S | Z E | 02 27 42.4 28 04 | | | | | |
| 28 | 1P 1S | Z E | 07 02 50 u 04 21 | 0.9 | 1.8 | | | |
| 28 | e1P 1S | Z E | 15 59 26 50 | | | | | |
| 28 | eP 1S e1 | Z E ZE | 18 30 36 31 18 34 12 | | | | | |
| 29 | 1P 1S | Z E | 08 29 39 31 10 | | | | | |
| 29 | 1P 1S | Z E | 08 42 18 37 | | | | | |
| 29 | 1P e1S | ZE E | 11 01 06.4 d 02 35 | | | | | |
| 29 | 1P 1S | Z E | 18 03 14 48 | | | | | |
| 29 | 1P 1S | Z E | 19 30 40 59 | | | | | |
| 30 | eL | ZN | 07 21 04 | | | | | |
| 30 | 1P 1S | Z E | 20 32 46 u 34 23 | 1.6 | 1.7 | | | |
| 31 | 1P 1S | ZNE N | 06 04 00 dsw 18 | | | | | |
| 31 | 1P 1S | Z E | 07 50 33 53 | | | | | |
| 31 | 1P 1S | Z E | 08 30 22 39 | | | | | |
| 31 | 1P 1S | Z E | 09 22 07.4 24 | | | | | |
| 31 | 1P 1S | Z E | 09 39 28.4 47 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|---------------|-------------------------------------|---------------------------------|---|------------|------------|----|----|----|
| MAY 31 | 1P e1S | Z ZE | 09 46 38.5 58 | | | | | |
| 31 | e1P 1S | Z E | 12 02 13 03 25 | | | | | |
| 31 | 1P 1S | ZNE ZN | 23 59 12 36 | | | | | |
| 31 | 1P 1S | Z E | 00 30 48 31 06 | | | | | |
| 31 | 1P 1S | Z E | 00 45 06.7 26 | | | | | |
| 31 | 1P 1S | Z E | 01 44 02.3 07.9 25 | 1.0 2.7 | 1.9 1.2 | | | |
| 31 | e1S | Z E | 04 24 46 25 06 | | | | | |
| 31 | 1P e1S | Z E | 05 11 54 12 12 | | | | | |
| 31 | 1P 1S | Z E | 05 42 07.6 27 | | | | | |
| 31 | eP eS | Z E | 09 25 11 26 25 | | | | | |
| 31 | 1P 1S | ZE N | 12 31 15.3 d 33 | | | | | |
| 31 | 1P | ZNE | 21 14 17 dsw | | | | | |
| 31 | 1P 1S | Z E | 21 57 20.4 41.6 | | | | | |
| 31 | 1P e1S | Z E | 22 26 39.5 57 | | | | | |
| 31 | 1P | Z | 22 41 31.4 | | | | | |
| 31 | 2 1P e1S | Z E | 03 39 41 57 | | | | | |
| 31 | 2 eP eS eSS e eL | Z ZNE N ZE ZE | 10 06 24 11 56 14 22 42 15 54 | | | | | |
| Felt: Rabaul. | | | | | | | | |
| 31 | 2 e1P eS eL eT | Z E ZNE ZE | 21 11 44 15 03 16 24 31 09 | | | | | |
| 31 | 2 e eSS eSSS e eL eL | ZN ZE ZE E NE ZN | 21 31 47 37 42 41 14 44.6 48 10 52.5 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-------------------------------------|--------------------------------|--|-----|-----|----|----|----|
| JUN 3 | 1P IS | Z E | 02 57 28.4 46 | 2.1 | 1.4 | | | |
| 3 | e1P eS | Z E | 04 46 08 47 35 | | | | | |
| 3 | 1P IS | Z E | 05 44 22 42.6 | | | | | |
| 3 | eP IS | Z E | 06 50 53 51 11 | | | | | |
| 3 | e1P IS | Z E | 07 20 02 21 19 | | | | | |
| 3 | 1P eS e eL | Z NE NE ZNE | 07 46 46.3 u 55 44 08 03 20 06 27 | 0.5 | 1.8 | | | |
| 3 | eP e1S | Z E | 09 33 40 34 05 | | | | | |
| 3 | 1P e1S | Z E | 10 58 47 59 37 | 2.0 | 1.9 | | | |
| 3 | e(L) | NE | 12 18 28 | | | | | |
| 3 | 1P e1S | Z E | 14 56 24 d 59 09 | 0.6 | 1.4 | | | |
| 3 | eP eS | Z E | 18 52 42 55 42 | | | | | |
| 4 | e1P IS | Z E | 03 07 03 18 | | | | | |
| 4 | 1P IS | Z E | 06 03 33 49 | | | | | |
| 4 | e1P IS eT | Z E ZE | 11 58 17 12 01 02 15 09 | 1.2 | 1.9 | | | |
| 4 | 1P e1S eT | Z E ZE | 13 10 04.8 d 12 59 27 31 | 1.0 | 2.0 | | | |
| 4 | 1P IS eSS eSSS e eLr | Z NE ZNE E N ZE | 21 15 01.4 u 23 27 27 10 29 38 30.4 33 34 | 1.5 | 1.9 | | | |
| 5 | e1P IS | Z E | 01 26 22 30 | | | | | |
| 5 | 1P e1S | Z E | 02 36 28.4 46 | | | | | |
| 5 | eL | ZNE | 05 15.4 | | | | | |
| 5 | 1P IS | Z E | 08 52 21 d 53 56 | 0.9 | 1.2 | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|------------------------|----------------------|---------------------------------------|-----|-----|----|----|----------------------------|
| JUN 5 | e1P eS eL | Z ZNE ZE | 10 16 53 20 38 21 14 | 0.6 | 1.2 | | | |
| | | | | | | | | Felt: Santo, New Hebrides. |
| 5 | eS | NE | 11 36 43 | | | | | |
| 5 | 1P eS eT | Z ZNE ZNE | 14 09 01 u 47 14 29 | 0.7 | 2.0 | | | |
| 5 | e1P eS | Z ZNE | 18 55 09 56 10 | 0.6 | 2.0 | | | |
| 5 | eSS eSSS eL | Z Z Z | 23 18.6 21.7 27.5 | | | | | |
| 6 | eP e(s) | Z E | 00 08 47 10 52 | | | | | |
| 6 | e(P) | Z | 00 14 50 | 0.8 | 2.0 | | | |
| 6 | 1P IS | Z E | 02 45 13 32 | | | | | |
| 6 | 1P eS eSS eLr | Z ZNE Z ZNE | 05 30 35.7 d 40 10 44.5 53.3 | 1.0 | 2.0 | | | |
| 6 | eLr | Z | 12 50.5 | | | | | |
| 6 | 1P IS | Z E | 15 50 35 u 52 | 4.9 | 1.4 | | | |
| 6 | 1P IS | Z ZNE | 17 47 17 d 50 50 | 3.0 | 2.1 | | | |
| | | | | | | | | Felt: Santo, New Hebrides. |
| 6 | 1P IS | Z E | 19 50 57.7 d 51 20 | 1.8 | 0.4 | | | |
| 6 | eP eS | Z E | 23 46 28 48 50 | 1.3 | 1.7 | | | |
| 7 | e1P IS | Z E | 02 51 13 37 | | | | | |
| 7 | 1P IS | Z E | 03 23 03 d 24 00.3 | 1.0 | 2.0 | | | |
| 7 | e1P eS | Z E | 08 01 55 02 40 | | | | | |
| 7 | 1P e eS i | ZE E ZN E | 15 36 29 d 37 42 50 38 10 | 3.1 | 2.1 | | | |
| 7 | eLq eLr | Z ZE | 16 20.4 23.8 | | | | | |
| 7 | eS eSS | NE N | 19 51 20 56 06 | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|------|--------|----|------|------|-----|-----|----|----|----|-----|
| JUN | eSSS N | | 59 | 15 | | | | | | |
| | eL ZE | 20 | 03 | 10 | | | | | | |
| 7 | 1P ZNE | 22 | 32 | 18 | | | | | | |
| | 1S NE | | 36 | | | | | | | dsw |
| 7 | 1P ZNE | 22 | 37 | 51 | | | | | | dsw |
| 7 | e1P Z | 22 | 48 | 24 | | | | | | |
| | 1S E | | 48 | | | | | | | |
| 7 | 1P Z | 23 | 40 | 13 | | | | | | |
| | 1S E | | 29 | | | | | | | |
| 8 | e1P Z | 00 | 02 | 43 | | | | | | |
| | e ZE | | 03 | 00 | | | | | | |
| | 1S E | | 28 | | | | | | | |
| 8 | 1P Z | 00 | 43 | 34 | | | | | | |
| | e1S E | | 52 | | | | | | | |
| 8 | 1P ZNE | 01 | 02 | 15 | | | | | | dsw |
| | 1S NE | | 32 | | | | | | | |
| 8 | 1P Z | 02 | 41 | 19.7 | 2.1 | 1.3 | | | | d |
| | 1S E | | 37 | | | | | | | |
| 8 | e1P Z | 02 | 48 | 34 | | | | | | |
| | 1S E | | 51.4 | | | | | | | |
| 8 | 1P Z | 05 | 41 | 37.6 | 2.0 | 1.9 | | | | u |
| | 1S E | | 38.7 | | | | | | | |
| 8 | 1P Z | 06 | 13 | 05 | | | | | | |
| | eS E | | 23 | | | | | | | |
| 8 | e1P Z | 09 | 38 | 58 | | | | | | |
| | 1S E | | 39 | 27 | | | | | | |
| 8 | 1P Z | 10 | 34 | 17 | | | | | | |
| | e1S E | | 34 | | | | | | | |
| 8 | eP Z | 11 | 23 | 41 | | | | | | |
| | 1S E | | 24 | 29 | | | | | | |
| 8 | e1P Z | 14 | 54 | 35 | | | | | | |
| | eS E | | 53 | | | | | | | |
| 8 | e1P Z | 15 | 53 | 11 | | | | | | |
| | eS E | | 29 | | | | | | | |
| 8 | e1P Z | 19 | 05 | 31 | | | | | | |
| | e1S E | | 47 | | | | | | | |
| 8 | e1P Z | 20 | 06 | 04 | | | | | | |
| | 1S E | | 22.7 | | | | | | | |
| 8 | e1P Z | 22 | 38 | 44 | | | | | | |
| | 1S E | | 58 | | | | | | | |
| 8 | 1P ZE | 22 | 59 | 00.2 | | | | | | |
| | 1S NE | | 29 | | | | | | | |
| 9 | e1P Z | 00 | 59 | 41 | | | | | | |
| | eS E | 01 | 00 | 00 | | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te | |
|------|-----------------------------|----|----|------|-----|-----|----|----|----|----|--|
| | 1P Z | 01 | 32 | 58 | | | | | | | |
| | e1S E | | 34 | 44 | | | | | | | |
| | 1P Z | 02 | 11 | 15.8 | | | | | | u | |
| | 1S E | | 35 | | | | | | | | |
| | 1P Z | 08 | 52 | 09 | | | | | | | |
| | eS E | | 27 | | | | | | | | |
| | 1P Z | 10 | 26 | 47 | | | | | | | |
| | eS E | | 27 | 07 | | | | | | | |
| | 1P Z | 15 | 01 | 15 | | | | | | | |
| | 1P Z | 15 | 50 | 55.5 | | | | | | | |
| | 1S ZNE | | 51 | 00 | | | | | | | |
| | 1S NE | | 14 | | | | | | | | |
| | 1P Z | 19 | 37 | 44 | | | | | | | |
| | e1S ZE | | 38 | 24 | | | | | | | |
| | 1P Z | 04 | 25 | 49 | 1.1 | 3.8 | | | | u | |
| | e1P Z | | 27 | 51 | | | | | | | |
| | eS ZNE | | 33 | 20 | | | | | | | |
| | eSS NE | | 37 | 04 | | | | | | | |
| | eL ZNE | | 39 | 04 | | | | | | | |
| | 1P ZN | | 41 | 16 | | | | | | | |
| | 1P Z | 06 | 48 | 19 | 1.1 | 2.0 | | | | u | |
| | e1P Z | | 50 | 19 | | | | | | | |
| | eS NE | | 55 | 40 | | | | | | | |
| | 1P Z | | 59 | 20 | | | | | | | |
| | eSS ZNE | | 01 | 20 | | | | | | | |
| | eL ZN | | 03 | 50 | | | | | | | |
| | 1P Z | 20 | 33 | 10 | | | | | | | |
| | 1S E | | 29 | | | | | | | | |
| | 1P Z | 00 | 05 | 41 | 0.5 | 2.0 | | | | u | |
| | eS ZN | | 11 | 26 | | | | | | | |
| | eSS N | | 14 | 15 | | | | | | | |
| | eL ZE | | 15 | 28 | | | | | | | |
| | Felt: Kambubu, New Britain. | | | | | | | | | | |
| | 1P Z | 02 | 30 | 18 | | | | | | | |
| | e1S E | | 34 | | | | | | | | |
| | 1P Z | 05 | 13 | 54 | 7.3 | 1.0 | | | | u | |
| | 1S E | | 14 | 16 | | | | | | | |
| | e1P Z | 08 | 33 | 16 | | | | | | | |
| | 1S E | | 34 | 07 | | | | | | | |
| | 1P Z | 16 | 51 | 59 | | | | | | | |
| | 1S E | | 52 | 08 | | | | | | | |
| | 1P Z | 17 | 15 | 47 | 2.5 | 1.8 | | | | d | |
| | 1S E | | 16 | 04 | | | | | | | |
| | 1S E | | 17 | 54 | | | | | | | |
| | 1P Z | 17 | 16 | 12.8 | | | | | | d | |
| | 1S E | | 18 | 22 | | | | | | | |
| | eP Z | 03 | 21 | 38 | | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-------------------------------|---------------------------------|------|-----|----|----|----|----|
| JUN | 1S E | 22 12 | | | | | | |
| 12 | 1P ZE 1S NE | 04 08 57.3 u 09 30 | | | | | | |
| 12 | eP Z 1S E | 08 20 23 40 | | | | | | |
| 12 | eP Z 1S E eT ZE | 12 03 30 04 12 07 19 | | | | | | |
| 12 | 1P Z 1S E | 14 03 25 43 | | | | | | |
| 12 | 1P Z 1S E | 15 06 27 45 | | | | | | |
| 12 | eP Z 1S E | 18 10 12 39 | | | | | | |
| 13 | 1P ZE 1S NE | 05 14 54.1 d 15 13 | 12.2 | 1.8 | | | | |
| 13 | e Z eL N eL Z | 17 39 22 42 06 43 30 | | | | | | |
| 13 | 1P Z 1S E | 23 21 55.6 22 21 | | | | | | |
| 13 | 1P ZE 1S E | 23 29 54 u 30 15 | 2.5 | 1.4 | | | | |
| 14 | 1P Z e1S E | 03 57 13 52 | 1.8 | 1.2 | | | | |
| 14 | eP Z e(P) Z e E 1S E | 08 43 00 44 03 07 44.5 | | | | | | |
| 14 | 1P Z e1S E | 16 32 41.6 34 10 | 1.0 | 1.5 | | | | |
| 14 | 1P Z 1S E | 22 46 45.8 47 16 | | | | | | |
| 15 | 1P Z | 05 01 35.7 d | 0.9 | 1.1 | | | | |
| 15 | 1P Z 1S E | 05 03 26.6 u 04 39 | 5.0 | 1.6 | | | | |
| 15 | eLr Z | 16 01.5 | | | | | | |
| 16 | eP Z eS E | 03 38 07 40 03 | | | | | | |
| 16 | 1P Z 1S E | 14 47 24 d 48 07 | | | | | | |
| 16 | 1P Z e1S E | 16 39 29.5 50 | | | | | | |
| 17 | eP Z | 00 16 21 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---|---|-----|-----|----|----|----|----|
| JUN | 1S E | 44 | | | | | | |
| 17 | 1P Z | 02 06 47.8 d | 3.6 | 2.0 | | | | |
| 17 | eP Z eS E e ZE | 17 26 54 27 24 29 27 | | | | | | |
| 17 | 1P Z e1S E | 17 36 08 d 37 41 | 1.1 | 1.4 | | | | |
| 17 | e1P Z 1S E | 17 39 23 40 59.2 | | | | | | |
| 17 | 1P Z e1(S) E | 17 53 50 54 41 | | | | | | |
| 17 | eP Z eS NE e E eL ZN | 18 40 02 47 24 52 06 54 10 | | | | | | |
| 17 | e1P Z eS E eL NE eS ZE | 20 10 14 11 20 46 17 10 | 1.9 | 0.8 | | | | |
| 17 | eP Z 1S E | 20 28 23 29 11 | | | | | | |
| 17 | eP Z eS E | 21 13 45 14 05 | | | | | | |
| 17 | e1(P) Z | 22 41 33 | 0.6 | 1.5 | | | | |
| 17 | 1P ZE | 23 14 38.3 u | 6.0 | 2.0 | | | | |
| 17 | 1P Z e1S E | 23 21 09 28 | | | | | | |
| 17 | eL Z | 23 44.9 | | | | | | |
| 18 | eP Z 1S E | 01 16 57 17 17 | | | | | | |
| 18 | 1P Z 1S E | 04 07 51 08 11 | | | | | | |
| 18 | eL ZNE | 04 35.4 | | | | | | |
| 18 | 1P Z eS ZNE eT ZE | 10 51 09 u 46 55 04 | 0.5 | 1.9 | | | | |
| 18 | eP Z e1S E | 12 19 06 28 | | | | | | |
| 18 | eS ZNE | 02 19 54 | | | | | | |
| 18 | 1P Z eS ZNE eS ZNE e Z e NE eL Z | 09 19 31.4 u 27 54 31 46 34 42 35 08 37 00 | 0.7 | 2.0 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|-----------------------|------------------|--|-----|-----|-----|-----|---------|
| JUN 27 | iP iS | Z NE | 00 08 00 09 20 | | | | | |
| 27 | eP eS eT | Z NE ZNE | 07 25 10 26 53 35 45 | | | | | |
| 27 | eLr | ZNE | 07 44.3 | | | | | |
| 27 | iP eS | Z NE | 08 13 29.5 51 | | | | | |
| 27 | eP eS eT | Z NE ZNE | 12 25 19 28 14 40 10 | | | | | |
| 27 | eP | Z | 17 44 26 | | | | | |
| 28 | eP eS eT | Z NE ZNE | 14 42 29 44 52 55 50 | | | | | |
| 28 | iP iS iSS iL | Z Z Z Z | 22 06 35 15 36 19 39 23 25 25 56 | | | | | |
| 29 | eL | ZNE | 13 07.4 | | | | | |
| 30 | iP eS | Z NE | 02 08 46.8 12 16 | 1.7 | 2.0 | | | |
| 30 | eL | ZN | 22 35 25 | | | | | |
| JUL 1 | eS | NE | 00 13 10 | | | | | |
| 1 | e | ZE | 04 13.5 | | | | | |
| 2 | iP iS | Z NE | 02 42 43.8 43 04 | | | | | |
| 2 | eP ei(s) | Z NE | 03 33 29 35 22 | | | | | |
| 2 | eP ei(s) | ZE NE | 05 33 57 35 23 | 0.5 | 1.9 | | 0.4 | 1.8 |
| 2 | iP i | Z NE | 08 43 58.4 44 14 | | | | | |
| 2 | iP iS | Z NE | 14 03 51 04 11.2 | | | | | |
| 2 | iP iS | Z NE | 15 53 46 54 01.4 | | | | | |
| 2 | iP iS | Z NE | 16 13 09 29 | | | | | |
| 3 | eP eiS | ZNE NE | 10 40 03 42 44 | 1.1 | 1.5 | 1.0 | 1.7 | 1.2 1.7 |
| 3 | eP i | ZN Z | 11 59 37 50 | 1.5 | 1.8 | 1.2 | 1.4 | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-----------------|-----------------|----------------------------|-----|-----|-----|----|----|
| 30 | iS | NE | 12 00 08 | | | | | |
| 30 | iP iS | Z NE | 15 56 31.2 50 | | | | | |
| 30 | iP iS | Z NE | 16 06 11.9 30 | | | | | |
| 30 | eP eiS eL | ZNE NE ZE | 18 38 35 40 21 41.0 | 2.1 | 2.0 | | | |
| 30 | i(P) | Z | 18 47 16 | u | | | | |
| 30 | iP eiS | Z NE | 04 01 20 02 52 | d | 4.0 | 1.2 | | |
| 30 | iP iS | Z NE | 11 01 14 02 14 03 15 | d | | | | |
| 30 | iP eiS eL | Z NE ZNE | 14 19 08 20 52 21.2 | d | | | | |
| 30 | iP iS | Z NE | 18 07 39.2 54 | d | | | | |
| 30 | eP eiS | Z NE | 23 09 33 10 42 | | | | | |
| 30 | e(L) | Z | 00 01.7 | | | | | |
| 30 | eP iS | Z NE | 05 10 24 40 | | | | | |
| 30 | e(P) iS | Z NE | 05 13 01 17 | | | | | |
| 30 | eP eL | Z ZE | 06 01 17 30.0 | 0.8 | 1.9 | | | |
| 30 | eP iS | Z NE | 08 43 26 41 | | | | | |
| 30 | iP iS | Z NE | 01 49 31 50 | d | | | | |
| 30 | iP iS | Z NE | 12 30 26 46 | | | | | |
| 30 | iP eS | Z NE | 12 04 22 06 01 | d | 0.8 | 1.6 | | |
| 30 | iP iS e | Z NE ZNE | 13 32 27 54 34 45 | | | | | |
| 30 | iP | Z | 11 33 29.4 | u | 1.2 | 1.3 | | |
| 30 | iP iS | Z NE | 11 42 25.3 44 07.4 | d | 2.5 | 1.5 | | |
| 30 | eP i | Z ZNE | 21 33 12 47 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---|--|----|-----|-----|----|----|----|
| JUL | 1 NE | 45 12 | | | | | | |
| 8 | eP Z iS NE | 22 02 24 03 07 | | | | | | |
| 9 | iP Z iS N | 02 45 44 46 13 | d | | | | | |
| 9 | e(s) Z | 03 35.2 | | | | | | |
| 9 | eL ZE | 10 06.2 | | | | | | |
| 9 | iP Z iS N | 10 58 14 57 | | | | | | |
| 9 | e(L) Z | 19 40.1 | | | | | | |
| 9 | iP Z iS N | 19 57 52 58 28 | | | | | | |
| 10 | eP Z iS NE | 02 29 44 30 03 | | | | | | |
| 10 | eL ZN | 03 45.1 | | | | | | |
| 10 | eP Z ePPP Z eS ZNE eSS ZNE eL ZNE eL ZNE | 05 33 54 38 22 42 52 46.3 50.0 53.2 | | | | | | |
| 12 | iP Z iS NE ei ZNE | 03 03 35 04 10 06 48 | d | 0.8 | 1.8 | | | |
| 12 | iP Z iS NE | 07 57 04 58 39 | d | 9.0 | 1.9 | | | |
| 12 | eS N eL ZN | 15 48 06 58.5 | | | | | | |
| 13 | eL N eL Z | 00 06.7 08.4 | | | | | | |
| 13 | eP Z iS N | 04 56 13 31 | | | | | | |
| 13 | i(P) Z | 05 43 14.3 | u | 0.6 | 1.3 | | | |
| 13 | eL Z | 14 40.5 | | | | | | |
| 14 | iP Z eS NE eT ZNE | 00 06 20 09 32 23 20 | u | 1.5 | 2.0 | | | |
| 14 | eP ZNE eS E eL ZE eT ZNE | 04 03 13 06 10 08.0 20 03 | | 1.0 | 2.0 | | | |
| 14 | iP Z eiS NE | 04 59 47 05 00 07 | u | 6.5 | 1.2 | | | |
| 14 | eS Z | 06 10 14 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|--|---|----|------|-----|----|----|----|
| 14 | eSS ZNE eSS Z eL Z | 16.5 20.5 24.0 | | | | | | |
| 14 | iP Z eS E | 14 32 18 35 24 | u | 0.7 | 2.0 | | | |
| 14 | eP Z | 17 12 13 | | | | | | |
| 14 | iP Z iS NE | 21 39 49 40 32 | d | | | | | |
| 15 | iP Z iS N | 00 43 13.3 44 50 | d | 1.0 | 1.8 | | | |
| 15 | iP Z iS NE | 04 24 27.3 26 04 | u | 7.3 | 1.4 | | | |
| 15 | eiP Z iS NE | 08 00 24 48 | | | | | | |
| 15 | iP ZNE iS E | 14 03 34 04 00 | u | 23.5 | 1.2 | | | |
| 16 | eP ZE eS E eL Z | 19 12 27 15 20 17 28 | | 1.1 | 2.0 | | | |
| 16 | iP Z iS E | 05 06 12.8 35 | u | 6.6 | 1.2 | | | |
| 16 | e ZN | 05 45.5 | | | | | | |
| 16 | iP Z eiS NE | 16 09 25.5 44 | | | | | | |
| 15 | iP Z iS NE | 03 47 14 56 | u | 2.0 | 0.8 | | | |
| 15 | iP Z e(P) Z ei Z ei N | 06 05 20 52 09 18 14 18 | d | 1.1 | 2.0 | | | |
| 15 | e Z e ZNE e NE e(L) N | 06 54.0 07 09.1 15.1 17.6 | | | | | | |
| 15 | iP Z iS NE | 12 15 57 17 28 | u | 2.3 | 2.0 | | | |
| 15 | iP Z iS NE | 23 24 17 36 | | | | | | |
| 20 | eP Z ePP Z iS ZNE eSS ZNE eLr ZN | 06 45 26 47 32 53 03 58 20 07 01 42 | | | | | | |
| 20 | iP Z iS NE | 06 02 43 03 13 | | 1.0 | 0.7 | | | |
| 21 | iP Z | 12 24 15 | u | 3.0 | 1.0 | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|------|-------|-----|----|------|------|----|-----|-----|----|----|
| JUL | 1S | NE | | 43 | | | | | | |
| 21 | 1P | Z | 14 | 01 | 34 | | | | | |
| | 1S | NE | | 51 | | | | | | |
| 21 | eLr | Z | 15 | 18.3 | | | | | | |
| 21 | 1P | Z | 17 | 22 | 59.4 | | | | | |
| | 1S | NE | | 23 | 19 | | | | | |
| 21 | 1P | Z | 19 | 59 | 56 | | | | | |
| | 1S | NE | | 20 | 00 | 14 | | | | |
| 21 | 1P | Z | 22 | 54 | 50.4 | | | | | |
| | 1S | NE | | 55 | 11 | | | | | |
| 22 | 1P | Z | 00 | 36 | 42 | u | 5.1 | 2.3 | | |
| | eS | ZNE | | 42 | 30 | | | | | |
| | e | Z | | 45.4 | | | | | | |
| | eL | NE | | 46 | 12 | | | | | |
| | eL | Z | | 47.8 | | | | | | |
| 23 | 1P | Z | 04 | 10 | 15.3 | | | | | |
| | 1S | NE | | | 35.3 | | | | | |
| 23 | 1P | Z | 07 | 25 | 40 | | 2.7 | 1.3 | | |
| | 1S | NE | | 26 | 15 | | | | | |
| 23 | 1P | Z | 20 | 17 | 14 | | | | | |
| | 1S | NE | | | 34 | | | | | |
| 24 | 1P | Z | 05 | 25 | 06 | | | | | |
| | eS | NE | | 26 | 55 | | | | | |
| 24 | 1P | Z | 10 | 44 | 00.9 | | | | | |
| | 1S | NE | | | 20 | | | | | |
| 24 | eS | ZN | 11 | 04 | 04 | | | | | |
| 24 | eS | ZN | 11 | 53 | 42 | | | | | |
| | eSSS | ZN | | 12 | 01.7 | | | | | |
| | eL | ZN | | | 06.3 | | | | | |
| 24 | 1P | Z | 16 | 54 | 14 | u | | | | |
| | e | N | | 17 | 04.1 | | | | | |
| | eL | Z | | | 06.4 | | | | | |
| 24 | 1P | Z | 17 | 43 | 56 | | | | | |
| | 1S | NE | | 44 | 19 | | | | | |
| 24 | eL | ZN | 19 | 18.7 | | | | | | |
| 24 | eL | ZN | 22 | 02.1 | | | | | | |
| 25 | eP | Z | 03 | 36 | 18 | | | | | |
| | 1(P) | Z | | | 35 | | | | | |
| | e1S | NE | | 37 | 24 | | | | | |
| 25 | 1P | Z | 11 | 49 | 17.6 | | 1.0 | 1.5 | | |
| | eS | NE | | 51 | 05 | | | | | |
| 25 | 1P | Z | 19 | 32 | 21.4 | d | 0.6 | 1.3 | | |
| | eS | NE | | 34 | 11 | | | | | |
| 26 | 1PKP | Z | 04 | 37 | 06 | u | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|------|-------|-----|----|------|------|----|-----|-----|-----|-----|
| 26 | eSSS | N | 05 | 05.2 | | | | | | |
| | e | NE | | 18.5 | | | | | | |
| | eL | ZNE | | 27.4 | | | | | | |
| | eL | N | | 31.4 | | | | | | |
| 26 | 1P | Z | 05 | 31 | 14 | d | 0.5 | 1.9 | | |
| 26 | 1P | Z | 12 | 57 | 44 | | | | | |
| | 1S | NE | | 58 | 03 | | | | | |
| 26 | 1P | Z | 19 | 36 | 01.3 | d | | | | |
| | 1S | NE | | | 21 | | | | | |
| 26 | 1P | Z | 21 | 56 | 18.3 | u | 1.0 | 2.0 | | |
| 26 | 1P | Z | 22 | 09 | 48 | | | | | |
| | 1S | NE | | 10 | 08 | | | | | |
| 27 | 1P | Z | 00 | 01 | 45 | u | 0.9 | 2.0 | | |
| | eLr | ZE | | | 30.0 | | | | | |
| 27 | 1(P) | Z | 04 | 02 | 49.4 | | | | | |
| 27 | 1PKP | Z | 06 | 18 | 15 | d | 0.7 | 2.6 | | |
| 27 | 1P | Z | 08 | 02 | 50 | d | | | | |
| | 1S | NE | | 04 | 27 | | | | | |
| 27 | 1P | Z | 17 | 19 | 43.5 | | | | | |
| | 1S | NE | | 20 | 00.2 | | | | | |
| 28 | eP | ZN | 07 | 16 | 09 | | 0.6 | 1.9 | 0.5 | 2.0 |
| | eS | NE | | 19 | 05 | | | | | |
| | eT | ZNE | | 30 | 28 | | | | | |
| 28 | eLq | Z | 16 | 51 | 26 | | | | | |
| 28 | eL | Z | 19 | 22.1 | | | | | | |
| 28 | 1P | Z | 20 | 04 | 49.4 | d | 2.1 | 1.2 | | |
| 28 | eP | ZNE | 20 | 17 | 53 | | 0.6 | 2.0 | 0.6 | 1.9 |
| | 1S | NE | | 20 | 26 | | | | 0.5 | 1.8 |
| | 1L | ZNE | | 22 | 06 | | | | | |
| | eT | ZNE | | 36 | 52 | | | | | |
| 28 | 1P | Z | 20 | 32 | 30 | | | | | |
| | 1S | NE | | 33 | 13 | | | | | |
| 29 | eS | NE | 03 | 04 | 00 | | | | | |
| 29 | 1P | ZNE | 03 | 29 | 50.3 | u | 1.4 | 1.5 | 0.9 | 1.9 |
| | 1S | NE | | 31 | 33 | | | | 0.9 | 1.9 |
| 29 | 1(P) | Z | 03 | 50 | 03 | u | 0.9 | 2.1 | | |
| 29 | 1P | ZE | 04 | 31 | 35 | d | 0.5 | 2.0 | | 2.0 |
| | eS | NE | | 34 | 30 | | | | | |
| 29 | eP | ZNE | 05 | 49 | 38 | u | 1.6 | 2.0 | | |
| | eS | NE | | 52 | 40 | | | | | |
| | eT | ZNE | | 06 | 03 | 40 | | | | |
| 29 | 1P | Z | 14 | 26 | 57 | u | 1.1 | 2.0 | | |
| | eS | ZNE | | 30 | 00 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---|---|-----|-----|-----|-----|-----|-----|
| JUL | eT | ZNE 41 36 | | | | | | |
| 30 | eP eS eT | ZNE 15 08 22 NE 11 22 ZNE 25 34 | 0.7 | 2.0 | 0.7 | 2.0 | 1.5 | 2.3 |
| 31 | eP eS | ZE 01 48 00 NE 51 00 | 1.0 | 2.1 | | | 0.8 | 2.0 |
| 31 | eP iS | ZNE 08 03 20 NE 04 37 | 0.9 | 1.0 | 0.5 | 1.8 | 0.5 | 1.3 |
| 31 | eP eIS | Z 16 22 20 NE 23 52 | 0.5 | 2.0 | 0.5 | 2.0 | 0.9 | 1.8 |
| AUG | iP iS | Z 12 44 18 NE 45 46 | u | 4.4 | 1.2 | | | |
| 1 | eP iS | Z 13 52 54 NE 53 26 | | | | | | |
| 1 | eP eS eT | Z 15 24 47 NE 27 34 ZNE 41 18 | | | | | | |
| 1 | eP eS | Z 17 00 33 NE 02 18 | 2.5 | 1.3 | | | | |
| 1 | iP | Z 20 55 54 | d | | | | | |
| 2 | e(P) eS | Z 04 28 12 NE 29 26 | | | | | | |
| 2 | iP iS | Z 12 19 07 NE 27 | | | | | | |
| 3 | iP eS e | ZE 03 53 54 ZNE 58 30 ZNE 04 01 02 | uw | 7.0 | 2.0 | | 6.4 | 2.0 |
| 3 | ePP e eSS eSSS e e eL eL | Z 10 42 56 ZNE 52 12 NE 11 01 50 NE 06 48 NE 10 20 N 17 16 Z 20.2 ZNE 26.7 | | | | | | |
| 3 | iP iS | Z 15 48 33 NE 49 07 | | | | | | |
| 3 | eP iS | Z 19 27 24 NE 43 | | | | | | |
| 3 | e(L) | ZN 20 33 30 | | | | | | |
| 3 | eP iS eT | ZE 20 30 03 NE 33 08 ZNE 45 05 | 1.0 | 2.0 | | | 2.0 | 1.9 |
| 3 | iP iS | Z 21 38 21 NE 40 | | | | | | |
| 4 | e(L) | ZNE 09 20.4 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-----------------------|---|-----|-----|-----|-----|-----|-----|
| 4 | iP iS | Z 14 26 54 NE 27 15 | | | | | | |
| 4 | iP iS | Z 23 56 09.2 d NE 57 38 | 7.5 | 1.8 | | | | |
| 5 | iP iS | Z 06 11 15 NE 38 | | | | | | |
| 5 | eP iS eT | ZNE 07 45 00 NE 47 30 ZNE 56 07 | 2.9 | 2.0 | 1.5 | 1.2 | 1.8 | 1.8 |
| 5 | eS eL eL | ZNE 15 55 54 NE 59.2 ZNE 16 01.2 | | | | | | |
| 5 | iP iS | Z 19 55 41.5 NE 56 00 | | | | | | |
| 6 | eP iS | Z 09 36 26 NE 55 | | | | | | |
| 6 | eP iS | Z 16 14 02 NE 52 | | | | | | |
| 7 | eS | NE 04 32 50 | | | | | | |
| 7 | iP iS | ZE 11 17 12 NE 18 50 | uw | | | | | |
| 7 | iP iS | Z 11 19 00 NE 20 32 | d | 5.0 | 1.8 | | | |
| 7 | eP iS | ZE 13 58 41 NE 14 00 07 | | 0.7 | 1.9 | | 0.5 | 1.9 |
| 7 | iP eS | Z 15 41 08 NE 42 45 | d | 0.6 | 1.0 | | | |
| 8 | eS eL eL | ZN 02 35 14 E 44 00 ZN 46.0 | | | | | | |
| 8 | eP eS eSS eL | ZE 11 23 22 ZNE 29 08 NE 31 56 ZE 33.5 | 1.0 | 2.1 | | | 1.0 | 2.0 |
| 9 | e(P) | Z 03 42 25 | 2.5 | 1.2 | | | | |
| 9 | iP iS iS | ZNE 14 37 38.5 dsw NE 38 22 Z 28 | | | | | | |
| 9 | iP iS eT | Z 15 20 29.6 u NE 21 10.2 ZNE 23 46 | 1.0 | 1.0 | | | | |
| 9 | iP iS | Z 22 18 03.7 NE 24 | | | | | | |
| 10 | iP iS | Z 02 37 32 u NE 40 14 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-------|----------------|-----|-----|-----|-----|-----|-----|
| AUG | eL | ZNE 20 | | | | | | |
| | eT | ZNE 40 39 | | | | | | |
| 10 | eP | ZNE 03 37 43 | 1.0 | 1.5 | 0.9 | 1.2 | 0.8 | 1.2 |
| | eS | NE 40 02 | | | | | | |
| | eT | ZNE 50 16 | | | | | | |
| 10 | eP | Z 14 13 01 | | | | | | |
| | eS | NE 14 35 | | | | | | |
| 10 | eP | ZE 16 07 45 | 0.9 | 1.5 | | | | |
| 10 | eL | NE 18 28.3 | | | | | 0.7 | 1.3 |
| | eL | Z 29.9 | | | | | | |
| 11 | eS | ZNE 01 51 12 | | | | | | |
| | eL | ZNE 57.3 | | | | | | |
| 11 | iP | Z 05 25 56.5 u | 1.9 | 2.0 | | | | |
| 11 | iP | Z 13 39 34 u | | | | | | |
| | eS | NE 40 55 | | | | | | |
| 11 | eP | Z 14 07 47 | | | | | | |
| | iS | NE 08 05 | | | | | | |
| 11 | eP | Z 14 14 03 | | | | | | |
| | iS | NE 27 | | | | | | |
| 11 | eP | Z 20 13 36 | | | | | | |
| | eS | NE 14 10 | | | | | | |
| | eT | ZNE 17 04 | | | | | | |
| 12 | iP | Z 05 57 15.5 | | | | | | |
| | iS | E 58 08 | | | | | | |
| 12 | iP | Z 21 01 14.8 d | | | | | | |
| | eIS | NE 02 54 | | | | | | |
| | e | ZNE 03.0 | | | | | | |
| | eT | ZNE 09 47 | | | | | | |
| 13 | iP | Z 01 51 14 | | | | | | |
| | iS | NE 34 | | | | | | |
| 13 | iP | Z 06 03 22 u | | | | | | |
| | eS | NE 04 46 | | | | | | |
| 13 | i(P) | Z 06 04 54 | | | | | | |
| | eIS | NE 05 23 | | | | | | |
| 13 | iP | Z 06 31 29 d | 1.0 | 1.3 | | | | |
| | iS | NE 33 10 | | | | | | |
| 13 | eP | ZNE 06 53 28 | 1.0 | 1.0 | 0.8 | 0.9 | 0.8 | 1.0 |
| | iS | NE 54 24 | | | | | | |
| | e | ZNE 54.5 | | | | | | |
| | eT | ZNE 58 20 | | | | | | |
| 13 | iP | Z 19 52 40 | | | | | | |
| | iS | NE 59 | | | | | | |
| 13 | eIP | ZNE 21 53 56 | 2.0 | 1.2 | 1.5 | 1.2 | 1.3 | 1.1 |
| | iS | E 54 56 | | | | | | |
| | eL | ZNE 55.5 | | | | | | |
| | eT | ZNE 59 00 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| | iP | Z 02 48 40 d | | | | | | |
| | i | N 54 | | | | | | |
| | eIS | NE 50 07 | | | | | | |
| | iL | E 18 | | | | | | |
| | eL | ZN 50.5 | | | | | | |
| | eIP | ZE 03 39 33 | 1.7 | 2.0 | | | 1.6 | 1.9 |
| | eS | NE 45 04 | | | | | | |
| | eL | NE 47.5 | | | | | | |
| | eL | Z 48.7 | | | | | | |
| | iP | Z 10 39 57.3 d | 1.4 | 0.8 | | | | |
| | eI | NE 40 18 | | | | | | |
| | iP | Z 15 22 45.9 u | 2.9 | 1.1 | | | | |
| | iS | NE 23 18 | | | | | | |
| | iP | Z 17 31 49 | | | | | | |
| | eIS | NE 32 17 | | | | | | |
| | iP | Z 18 53 13 d | 2.5 | 2.0 | | | | |
| | eL | Z 19 10.4 | | | | | | |
| | eP | ZE 20 45 06 | 0.8 | 1.5 | | | 0.6 | 1.3 |
| | eS | NE 46 31 | | | | | | |
| | eT | ZNE 47 36 | | | | | | |
| | eP | ZE 21 50 18 | 1.0 | 1.2 | | | 0.8 | 1.2 |
| | eS | NE 51 47 | | | | | | |
| | iP | Z 23 23 56.3 d | | | | | | |
| | eS | NE 25 32 | | | | | | |
| | iP | Z 01 34 05.4 d | | | | | | |
| | i | Z 08 | | | | | | |
| | eIS | NE 51 | | | | | | |
| | iP | Z 06 22 29.8 d | 0.8 | 2.2 | | | | |
| | iS | ZNE 31 20 | | | | | | |
| | eSS | ZNE 35 10 | | | | | | |
| | eSSS | ZNE 38 44 | | | | | | |
| | eL | ZNE 41.6 | | | | | | |
| | eP | ZE 10 01 23 | 1.0 | 1.3 | | | 0.8 | 1.2 |
| | eIS | NE 02 50 | | | | | | |
| | eT | ZNE 09 54 | | | | | | |
| | iP | Z 10 19 35 d | | | | | | |
| | eIS | NE 20 22 | | | | | | |
| | eIP | ZE 15 00 00 | 0.9 | 2.0 | | | 0.7 | 1.9 |
| | iS | NE 02 09 | | | | | | |
| | eP | Z 17 37 48 | | | | | | |
| | i | Z 38 04 | | | | | | |
| | i | Z 07.2 | | | | | | |
| | iPP | Z 39 52 | | | | | | |
| | iPP | E 42 08.6 | | | | | | |
| | i | Z 12.3 | | | | | | |
| | iPP | ZNE 43 46 | | | | | | |
| | iSPP | ZNE 45 07 | | | | | | |
| | iSKKS | ZNE 47 44 | | | | | | |
| | iSP | ZNE 50 12 | | | | | | |
| | iSP | ZNE 53 57 | | | | | | |
| | iSS | ZNE 55 54 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|------------------------|-------------------------|--|-----|-----|-----|-----|-----|
| SEP 12 | 1P eS eL | ZNE ZN ZNE | 03 16 10 19 36 21 03 | dse | 1.4 | 2.0 | | |
| 12 | e | ZNE | 14 16.2 | | | | | |
| 12 | e1P 1S | Z NE | 14 56 36 56 | | | | | |
| 13 | 1P | Z | 09 47 57.9 d | | 0.7 | 1.0 | | |
| 13 | e(P) eL | Z Z | 17 11 32 34.2 | | 1.0 | 2.2 | | |
| 13 | 1P | Z | 21 14 23.7 d | | | | | |
| 13 | eP eS eL | Z NE ZNE | 21 15 29 18 12 19.2 | | 1.1 | 2.0 | | |
| 13 | 1P | Z | 22 45 55.8 d | | 1.0 | 0.9 | | |
| 13 | 1P e eS | Z ZE ZNE | 23 37 54 41 24 42 24 | | | | | |
| 14 | eP e e e e | ZE E Z E NE | 00 19 22 34 26 44 16 45 52 46 34 | | 1.0 | 2.0 | 0.8 | 2.0 |
| 14 | eP eS 1L | ZN ZNE ZNE | 03 56 34 04 00 00 46 | | 1.5 | 1.2 | 1.4 | 1.0 |
| 14 | eS eL | ZE ZE | 15 24.8 26.0 | | | | | |
| 14 | eP e e | Z N ZE | 15 54 19 57 22 58 14 | | | | | |
| 14 | 1P 1S | Z NE | 21 48 45 49 05 | | 4.0 | 1.0 | | |
| 15 | 1P 1 1 | ZE ZE N | 00 51 50 52 02 55 01 | dw | 7.5 | 6.1 | | |
| 15 | e(S) | N | 06 40 00 | | | | | |
| 15 | e eS | E NE | 08 39 00 40 00 | | | | | |
| 15 | eP eS e | Z ZE ZE | 09 13 00 17 00 18 06 | | | | | |
| 15 | eP eS | Z ZNE | 11 03 06 05 48 | | | | | |
| 15 | eS eSS | ZE ZE | 11 53 26 54 48 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|---------------------------|--|--------------------------------------|--|----|------|-----|-----|-----|
| 15 | 1P 1 1 | ZNE Z ZN | 22 04 10 01 54 14 58 32 | | | | | |
| 15 | eP eS eL | ZNE ZNE ZE | 20 10 07 13 54 15 30 | | 0.9 | 1.8 | 0.7 | 1.6 |
| 15 | 1P | Z | 22 12 55.8 u | | 2.0 | 1.2 | | |
| 15 | 1P | Z | 00 48 24.7 d | | 1.0 | 0.8 | | |
| 15 | eP eS eL | Z Z ZE | 06 07 35 53 18 08 | | 0.7 | 3.1 | 0.7 | 2.0 |
| 15 | eP eS eL | ZE ZE ZN ZE | 24 34 31.5 36 12 | | | | | |
| 15 | eP 1S | ZN NE | 11 18 00 28 | | | | | |
| 15 | 1P 1 e | ZE N ZNE | 19 25 10 29 11 30 39 | dw | 21.4 | 4.9 | | |
| Felt: Eastern Solomon Is. | | | | | | | | |
| 15 | eP eS | ZNE ZNE | 20 02 42 06 03 | | 1.5 | 2.0 | 1.0 | 1.5 |
| 15 | eP eS e | ZN NE ZNE | 22 01 49 02 14 04 11 | | 0.7 | 0.5 | 0.7 | 0.9 |
| 15 | eP | ZNE | 22 33 30 | | 1.5 | 1.5 | 1.2 | 2.0 |
| 15 | 1P eS eL | Z ZNE ZE | 02 00 49 u 04 54 06.3 | | | | | |
| 15 | 1P 1S | Z NE | 04 00 46.7 01 07 | | 1.6 | 0.5 | | |
| 15 | eS eL | ZN ZE | 04 09 46 10.9 | | | | | |
| 15 | e(S) | ZE | 06 55.8 | | | | | |
| 15 | 1P eS | Z NE | 14 57 54 d 59 16 | | | | | |
| 15 | 1P 1 e(P) eSS e e e e | Z Z Z Z Z Z Z Z | 17 17 56.6 u 18 33 21 30 44 30 56 00 58 20 18 04.5 07.4 | | 1.0 | 2.1 | | |
| 15 | 1P 1 e(S) eL | Z Z Z Z | 17 26 57 27 09.3 34 10 41 10 | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|--------|---|----|----|---------------------------------------|-----|-----|-----|-----|-----|-----|
| SEP 19 | eP eS Z NE | 06 | 23 | 38 24 23 | | | | | | |
| 19 | eP eS e ZNE | 07 | 38 | 24 50 40 53 | | | | | | |
| 19 | eP eS Z NE | 09 | 02 | 09 04 05 | | | | | | |
| 19 | eP eS Z NE | 18 | 57 | 57 59 30 | | | | | | |
| 19 | eP eS eT Z NE ZNE | 19 | 24 | 39 25 31 29 30 | 0.5 | 1.0 | | | | |
| 19 | eP Z ZE | 19 | 33 | 40 | 0.9 | 2.2 | | | | |
| 20 | iP iS Z NE | 00 | 17 | 02.4 28 | 1.5 | 1.0 | | | 0.7 | 2.0 |
| 20 | eP Z | 19 | 12 | 31 | | | | | | |
| 21 | eP iS e Z NE ZNE | 14 | 00 | 45 01 20 03 46 | | | | | | |
| 21 | eP eS Z NE | 16 | 30 | 45 32 51 | | | | | | |
| 21 | eP e1S Z NE | 19 | 27 | 13 28 22 | | | | | | |
| 21 | eP iS ZNE NE | 23 | 20 | 18 55 | 0.5 | 0.8 | 0.5 | 0.7 | 0.5 | 1.0 |
| 22 | eP eS Z NE | 02 | 18 | 28 20 10 | | | | | | |
| 22 | eP e1S e Z NE ZNE | 02 | 26 | 00 30 28 41 | | | | | | |
| 22 | eP i i e iS ZNE N ZE NE NE | 02 | 59 | 26 41.6 46 03 00 35 01 52 | 1.5 | 1.5 | 1.5 | 1.9 | 0.7 | 2.0 |
| 22 | eP i eS ZN ZN NE | 19 | 25 | 02 20 27 24 | 1.0 | 2.1 | 0.8 | 2.0 | | |
| 22 | eP Z | 19 | 33 | 44 | | | | | | |
| 23 | ePKP Z | 07 | 00 | 12 | 0.5 | 1.5 | | | | |
| 23 | ePKP e e Z NE NE | 09 | 21 | 29 10 00.2 02.2 | | | | | | |
| 23 | eS NE | 10 | 10 | 5 | | | | | | |
| 23 | e(L) N | 10 | 48 | 0 | | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te | |
|------|--|----|------|--|-----|-----|-----|-----|-----|-----|--|
| | e(L) NE | | | 55.2 | | | | | | | |
| | eS N eL N | 17 | 22.1 | 32.2 | | | | | | | |
| | eP i iS Z NE NE | 18 | 11 | 17 25.8 35.3 | 2.0 | 0.8 | 1.0 | 0.8 | | | |
| | eP i iS Z Z NE | 23 | 15 | 44 16 32 33 | | | | | | | |
| | eP e(s) Z NE | 01 | 58 | 27 02 00 33 | 1.5 | 1.5 | | | 1.2 | 1.4 | |
| | iP Z | 09 | 28 | 01 d | 1.5 | 1.0 | | | | | |
| | eP iPcP Z Z ZE eP eS iS N eSS Z E eSSS E Z ZN ZNE eL eLr ZE | 16 | 43 | 16 36.4 46 32 53 30 54 30 59 38 17 00 20 02 30 03 42 07 16 11 40 | 4.6 | 2.1 | | | | | |
| | iP e1S Z NE | 17 | 57 | 16.5 u 54 | 2.1 | 1.1 | | | | | |
| | eP eS Z NE | 19 | 28 | 26 57 | | | | | | | |
| | eL Z | 22 | 18 | 8 | | | | | | | |
| | ePKP Z | 07 | 23 | 26 | 0.5 | 2.2 | | | | | |
| | iP Z | 12 | 51 | 10.9 u | 1.0 | 2.0 | | | | | |
| | eSS NE | 13 | 54 | 20 | | | | | | | |
| | eS ZNE | 14 | 10 | 2 | | | | | | | |
| | e(P) e(S) Z NE | 13 | 55 | 46 57 07 | | | | | | | |
| | eSSS N eL Z | 14 | 33 | 40 34 46 | | | | | | | |
| | eS ZN | 14 | 59 | 30 | | | | | | | |
| | iP Z | 18 | 18 | 06 d | 0.5 | 2.0 | | | | | |
| | eL Z | 21 | 08 | 7 | | | | | | | |
| | e N | 22 | 42 | 7 | | | | | | | |
| | eS eL ZN ZN | 05 | 47 | 10 56 30 | | | | | | | |
| | e(P) Z | 06 | 47 | 03 | | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|---------------------|----------------------|----------------------------------|-------------------------|-----|-----|-----|---------|
| SEP 26 | 1P eS | Z NE | 10 55 51 57 23 | 1.5 | 2.0 | | | |
| 27 | eP 1S | Z NE | 01 26 15 36 | 3.2 | 2.0 | | | |
| 27 | eP 1S e | ZN NE ZNE | 07 54 29 56 57 10 | 2.1 | 2.0 | 2.1 | 1.8 | |
| 27 | eP eS e | Z E ZNE | 10 31 00 34 00 30 | | | | | |
| 27 | eP eS i | ZNE ZNE Z | 11 29 03 31 40 32 23 | 1.9 | 2.1 | 2.0 | 2.1 | 2.5 2.0 |
| 27 | eP eS | Z NE | 14 51 52 53 25 | | | | | |
| 28 | eP eS eT | Z NE ZNE | 03 02 52 04 05 09 23 | 0.6 | 2.0 | | | |
| 28 | 1P 1S | Z NE | 03 57 49 58 09 | | | | | |
| 28 | 1P 1S | Z NE | 04 27 14 48 | 2.0 | 1.5 | | | |
| 28 | 1P eS | Z NE | 05 27 20.5 d 28 45 | | | | | |
| 28 | 1P eS eT | Z ZNE ZNE | 07 02 08.2 d 05 20 16 05 | 1.6 | 2.0 | | | |
| 28 | eP eS | Z NE | 11 07 53 09 23 | 1.5 | 1.0 | | | |
| 29 | eLr | Z | 20 06.0 | | | | | |
| 30 | 1P eS | Z NE | 09 43 56 45 01 | 6.0 | 1.9 | | | |
| OCT 1 | 1P 1S | Z NE | 10 38 09.4 31 | 3.0 | 0.9 | | | |
| 2 | eS eL | NE N | 03 44.0 46.9 | | | | | |
| | | | | Felt: Pomio and Rabaul. | | | | |
| 2 | 1P e eS eT | Z Z ZNE ZNE | 05 48 45 48 50 02 55 10 | | | | | |
| 2 | eP eS eT | Z NE ZNE | 16 59 26 17 00 42 06 20 | | | | | |
| 2 | 1P | Z | 19 58 08.8 u | | | | | |
| 3 | 1P | ZNE | 13 54 16.3 une | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|----------------|--------------------|----------------------------------|----|----|----|----|----|
| | 1S NE | | | | | | | |
| | 1P 1S | Z E | 16 16 14 48 | | | | | |
| | 1S eS eL | ZN E ZNE | 16 15.6 30.7 34.8 | | | | | |
| | 1S eS e | Z NE | 23 16 07 17 00 | | | | | |
| | 1S eS e | Z ZNE | 23 35 48 45 00 48 24 | | | | | |
| | 1S eS e | Z Z ZNE | 52.5 56.7 | | | | | |
| | 1S eS e | Z E N ZNE | 02 49 09 50 20 42 55 40 | | | | | |
| | 1P eS | Z NE | 00 15 26.2 d 50 | | | | | |
| | 1P eS | Z ZNE | 01 56 04.1 u 16 | | | | | |
| | 1S eS e | Z NE ZNE | 02 21 22 47 23 28 | | | | | |
| | 1S eS e | Z NE ZNE | 02 26 39 27 02 28 45 | | | | | |
| | 1P eS | Z NE | 03 17 33 51 | | | | | |
| | 1S eS e | Z NE ZNE | 03 40 40 41 05 42 40 | | | | | |
| | 1P e eS | Z Z NE | 05 16 06.3 u 16 42 | | | | | |
| | 1S eS e | Z NE ZNE | 05 26 38 27 08 29 02 | | | | | |
| | 1P eS | Z NE | 06 19 10 38 | | | | | |
| | 1S eS | Z NE | 06 56 47 57 00 | | | | | |
| | 1S 1S | Z NE | 07 31 40 32 05 | | | | | |
| | 1S eS e | Z NE ZNE | 10 27 11 35 28 56 | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|--|-------|-----|----|-----|------|-----|-----|-----|-----|-----|
| OCT 5 | eP | Z | 12 | 49 | 55 | | | | | |
| | iS | E | | 50 | 11 | | | | | |
| | e | ZNE | | 52 | 00 | | | | | |
| 5 | eP | Z | 14 | 57 | 54 | | | | | |
| | eS | NE | | 58 | 08 | | | | | |
| 5 | eP | Z | 15 | 32 | 33 | | | | | |
| | iS | E | | | 56 | | | | | |
| 5 | e | Z | 16 | 03. | 3 | | | | | |
| | e | Z | | 07. | 4 | | | | | |
| | e(L) | ZE | | 12. | 4 | | | | | |
| 5 | eP | Z | 17 | 51 | 40 | | | | | |
| | eS | NE | | 52 | 03 | | | | | |
| | e | ZNE | | 53 | 49 | | | | | |
| 6 | eP | Z | 02 | 16 | 50 | | | | | |
| | eS | NE | | 17 | 07 | | | | | |
| 7 | iP | Z | 00 | 43 | 47 | | | | | |
| | iS | NE | | 44 | 34.4 | | | | | |
| 7 | iP | ZNE | 13 | 17 | 04 | une | 8.2 | 1.8 | 8.1 | 1.8 |
| | iS | NE | | 19 | 13 | | | | 5.5 | 1.5 |
| | e | Z | | 23 | 55 | | | | | |
| | eScP | NE | | 24 | 05 | | | | | |
| | eScS | ZNE | | 28 | 04 | | | | | |
| | esScS | E | | 32 | 14 | | | | | |
| 8 | iP | ZNE | 00 | 17 | 26.9 | une | | | | |
| Felt extensively in Upolu, Western Samoa, MM5, and at Nandi and Lautoka, Fiji. | | | | | | | | | | |
| 8 | eP | Z | 02 | 05 | 01 | | | | | |
| | eS | NE | | 06 | 37 | | | | | |
| 8 | iP | Z | 10 | 34 | 37.7 | | | | | |
| | eiS | NE | | | 55 | | | | | |
| 8 | eP | Z | 18 | 49 | 29 | | | | | |
| | eS | NE | | 51 | 06 | | | | | |
| 8 | iP | Z | 23 | 02 | 53.3 | d | | | | |
| | iS | NE | | 04 | 01 | | | | | |
| 9 | iP | Z | 01 | 45 | 44 | u | 5.3 | 1.1 | | |
| | iS | ZE | | 46 | 04 | | | | | |
| 9 | eiP | Z | 05 | 14 | 40 | | | | | |
| | iS | N | | 15 | 29 | | | | | |
| | eT | ZNE | | 19 | 35 | | | | | |
| 9 | eP | Z | 07 | 31 | 18 | | | | | |
| | eS | NE | | | 33 | | | | | |
| 9 | iP | ZNE | 07 | 37 | 12 | dnw | | | | |
| 9 | iP | Z | 07 | 41 | 12 | u | | | | |
| 9 | e | ZNE | 10 | 18. | 0 | | | | | |
| | e(s) | ZNE | | 20. | 1 | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|-------|-------|-----|----|-----|------|-----|-----|-----|-----|-----|
| OCT 5 | eP | Z | 10 | 38 | 31 | | | | | |
| | eS | NE | | 39 | 46 | | | | | |
| | eT | ZNE | | 44 | 58 | | | | | |
| 9 | eP | Z | 12 | 59 | 00 | | | | | |
| | eS | NE | | 13 | 01 | 06 | | | | |
| 9 | eP | Z | 19 | 44 | 07 | | | | | |
| | iS | NE | | | 34.4 | | | | | |
| 10 | eP | Z | 12 | 06 | 31 | | | | | |
| | eS | NE | | 07 | 42 | | | | | |
| | eT | ZNE | | 11 | 53 | | | | | |
| 10 | eP | ZE | 14 | 20 | 55 | 1.1 | 2.0 | | 1.1 | 2.0 |
| | eP | Z | 00 | 04 | 00 | | | | | |
| 11 | eP | Z | 09 | 11 | 18 | d | 1.7 | 1.8 | | |
| | eS | NE | | 12 | 53 | | | | | |
| 11 | eS | NE | 10 | 38 | 36 | | | | | |
| | eL | ZNE | | 49. | 8 | | | | | |
| 11 | iP | Z | 16 | 35 | 51 | d | 4.0 | 2.0 | | |
| | eS | NE | | 37 | 20 | | | | | |
| 12 | eP | Z | 03 | 14 | 02 | | | | | |
| | eS | NE | | | 50 | | | | | |
| | eT | ZNE | | 18 | 45 | | | | | |
| 12 | iP | Z | 07 | 10 | 53.4 | d | 0.6 | 0.9 | | |
| | e(s) | NE | | 13 | 16 | | | | | |
| 12 | eP | Z | 11 | 37 | 54 | 1.8 | 2.0 | | | |
| | iS | N | | 46 | 43 | | | | | |
| | iS | ZE | | | 54 | | | | | |
| | iSS | ZNE | | 49 | 39 | | | | | |
| | iSSS | ZNE | | 51 | 05 | | | | | |
| | iLq | ZNE | | 54 | 55 | | | | | |
| | iLr | ZNE | | 57 | 30 | | | | | |
| | eT | ZNE | 12 | 00. | 0 | | | | | |
| 12 | iP | Z | 18 | 17 | 32.5 | | | | | |
| | iS | NE | | | 53 | | | | | |
| 12 | eL | ZN | 19 | 18. | 8 | | | | | |
| 12 | eP | Z | 23 | 29 | 25 | | | | | |
| | eS | NE | | | 55 | | | | | |
| 13 | eP | Z | 05 | 28 | 54 | 4.7 | 0.9 | | | |
| | iPcP | ZNE | | 29 | 07 | | | | | |
| | eT | E | | | 25 | | | | | |
| 13 | eP | ZNE | 06 | 43 | 15 | | | | | |
| | iP | Z | 06 | 32 | 59 | | | | | |
| 13 | iS | NE | | 33 | 15 | | | | | |
| | eL | ZNE | 13 | 01. | 1 | | | | | |
| 13 | eP | Z | 13 | 09 | 17 | 0.7 | 1.9 | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|-------|----------|--------------|-----|-----|-----|----|----|
| OCT 13 | eP | Z | 16 10 30 | | | | | |
| | ePcP | Z | 11 00 | | | | | |
| | eS | ZNE | 19 50 | | | | | |
| | eSS | Z | 23.8 | | | | | |
| | eSSS | ZNE | 27.2 | | | | | |
| | eLr | ZNE | 30.9 | | | | | |
| eT | ZNE | 17 25 19 | | | | | | |
| 13 | eS | N | 17 45 50 | | | | | |
| | eL | ZN | 56 00 | | | | | |
| 13 | eP | Z | 18 00 10 | | | | | |
| | eS | NE | 01 22 | | | | | |
| | eT | ZNE | 07 05 | | | | | |
| 13 | eP | Z | 22 05 52 | | | | | |
| | eS | ZN | 14.6 | | | | | |
| | eLr | ZN | 25.0 | | | | | |
| 13 | iP | Z | 23 07 21.3 | 1.1 | 1.2 | | | |
| | eS | NE | 55 | | | | | |
| 14 | eP | Z | 00 03 03 | | | | | |
| | eS | ZN | 12 14 | | | | | |
| | eLq | ZN | 22 30 | | | | | |
| | eLr | ZN | 25 18 | | | | | |
| 14 | eS | NE | 04 26 10 | | | | | |
| | eSS | NE | 31 14 | | | | | |
| | eSSS | NE | 33 06 | | | | | |
| | eL | ZNE | 36 30 | | | | | |
| 14 | e(P) | Z | 12 36 38 | | | | | |
| | e(S) | NE | 38 38 | | | | | |
| | e(T) | ZNE | 47 37 | | | | | |
| 14 | iP | Z | 13 32 36.2 d | 1.1 | 2.0 | | | |
| | eS | NE | 41 30 | | | | | |
| | e | Z | 42 00 | | | | | |
| | eSSS | NE | 49 10 | | | | | |
| | eL | NE | 51.8 | | | | | |
| 14 | eP | Z | 22 11 46 | | | | | |
| | eS | N | 14 36 | | | | | |
| 14 | eP | Z | 23 02 25 | | | | | |
| | eS | NE | 05 04 | | | | | |
| 15 | eL | ZN | 01 20.1 | | | | | |
| 15 | iP | Z | 07 08 38 | d | 0.9 | 1.9 | | |
| | iS | NE | 09 49 | | | | | |
| | eT | ZNE | 14 56 | | | | | |
| 15 | eL | ZNE | 09 32.8 | | | | | |
| 15 | e | ZN | 10 54.7 | | | | | |
| | eL | ZNE | 57.0 | | | | | |
| 15 | eL | ZNE | 12 24.2 | | | | | |
| | | | | | | | | |
| 15 | iP | Z | 13 59 38 | u | 0.9 | 2.0 | | |
| | eS | NE | 14 02 20 | | | | | |
| 15 | eS | N | 18 42.5 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-------|-------|--------------|-----|------|-----|----|----|
| 15 | e | Z | 44.3 | | | | | |
| | eL | ZN | 54.2 | | | | | |
| 15 | eL | ZNE | 21 12.2 | | | | | |
| | | | | | | | | |
| 15 | eP | Z | 21 55 00 | | | | | |
| | eS | NE | 22 03 08 | | | | | |
| | eSSS | ZNE | 09.5 | | | | | |
| eLr | Z | 13.7 | | | | | | |
| 16 | e(S) | NE | 02 48 46 | | | | | |
| 16 | iP | Z | 04 29 03 | d | 2.3 | 1.0 | | |
| | eS | NE | 46 | | | | | |
| 16 | eL | ZN | 05 46.3 | | | | | |
| 16 | eP | ZNE | 07 15 27 | | | | | |
| | eS | NE | 17 24 | | | | | |
| 16 | eL | ZE | 08 01.7 | | | | | |
| 16 | eL | ZN | 11 02.1 | | | | | |
| 16 | iP | ZNE | 13 55 57.2 | une | 14.4 | 1.8 | | |
| | iS | NE | 56 17 | | | | | |
| 16 | ePKP | Z | 46 12 40 | | | | | |
| | eS | NE | 19 12 | | | | | |
| | eSSS | ZNE | 23 16 | | | | | |
| | e | ZNE | 30.0 | | | | | |
| | eL | NE | 32.5 | | | | | |
| 16 | eP | Z | 16 42 26 | | | | | |
| | eS | NE | 43 55 | | | | | |
| 16 | eL | ZN | 21 04.8 | | | | | |
| 17 | eIP | Z | 04 04 13 | | | | | |
| 17 | eP | Z | 11 40 02 | | | | | |
| 17 | eLr | ZNE | 14 44.5 | | | | | |
| 17 | iP | Z | 22 40 33 | 2.0 | 1.2 | | | |
| | eS | NE | 51 | | | | | |
| 17 | eP | Z | 23 35 46 | 0.5 | 1.9 | | | |
| | eS | ZN | 44 34 | | | | | |
| | eSS | ZN | 48 40 | | | | | |
| | eSSS | ZN | 52 20 | | | | | |
| | eL | ZNE | 55.0 | | | | | |
| 18 | eL | ZN | 06 50.7 | | | | | |
| 18 | eL | Z | 08 54.5 | | | | | |
| 18 | eL | NE | 09 23.5 | | | | | |
| | eL | Z | 24.0 | | | | | |
| 18 | eP | Z | 09 31 03 | | | | | |
| | eS | NE | 32 | | | | | |
| 18 | iP | Z | 16 02 32.3 d | 0.7 | 1.0 | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|------------------------|-----------------------|---------------------------------------|------------|------------|-----|-----|---------|
| OCT 18 | 1P eS | Z NE | 17 09 54.3 11 39 | 1.0 | 1.2 | | | |
| 18 | eL | ZN | 18 25.7 | | | | | |
| 18 | eP eS | Z NE | 19 19 19 .37 | | | | | |
| 18 | eL | ZN | 20 36.0 | | | | | |
| 18 | 1P 1 eS | Z Z NE | 23 03 40.3 45 06 59 | 0.5 2.0 | 2.0 1.9 | | | |
| 18 | eP eS | Z NE | 23 30 10 33 30 | 0.6 | 1.9 | | | |
| 18 | e(P) 1 e(S) | Z Z NE | 23 36 03 07 39 21 | | | | | |
| 19 | eP eS | Z NE | 00 05 27 08 35 | | | | | |
| 19 | eP eS | Z NE | 01 00 08 03 17 | 0.6 | 1.8 | | | |
| 19 | eP eS | ZNE NE | 02 04 25 07 48 | 0.5 | 1.8 | 0.6 | 1.8 | 1.0 1.8 |
| 19 | eS eL | ZN Z | 02 38.6 49.2 | | | | | |
| 19 | eP eS eSSS eL | Z ZNE NE ZNE | 03 45 14 54 14 04 01 54 04.6 | | | | | |
| 19 | eP eS | Z NE | 04 59 42 05 00 39 | | | | | |
| 19 | e(P) eS | Z NE | 08 48 20 50 32 | | | | | |
| 19 | eP eS | Z NE | 08 54 12 55 20 | | | | | |
| 19 | eL | ZN | 16 45.1 | | | | | |
| 19 | eP eS | ZNE NE | 20 57 22 59 05 | 0.6 | 1.8 | 0.6 | 1.8 | 0.9 1.9 |
| 20 | eS | NE | 03 04 05 | | | | | |
| 20 | eL | NE | 08 57.2 | | | | | |
| 20 | eS eSSS eL | NE NE NE | 09 30 40 38 20 41.0 | | | | | |
| 20 | eS eSSS eL | NE E N | 12 12 05 20.2 22.8 | | | | | |
| 20 | eSKKS | Z | 18 19.2 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---|------------------------------------|--|-----|-----|-----|-----|-----|
| | Z | 06 03 46 | 7.5 | 1.4 | | | | |
| | 1P 1S | Z NE | 06 03 46 04 05 | | | | | |
| | Z eP eS eL | Z NE ZNE | 09 21 13 23 05 24.5 | | | | | |
| | eP 1S | Z NE | 12 20 43 21 30 | | | | | |
| | Z eP eS | Z NE | 13 30 18 32 45 | 1.4 | 2.0 | | | |
| | eL | Z | 17 51.2 | | | | | |
| | eL | Z | 03 47.5 | | | | | |
| | Z eP eS | Z NE | 13 14 13 15 23 | | | | | |
| | 1P 1S | ZN NE | 14 08 20 50 | 5.6 | 1.2 | 5.5 | 1.2 | |
| | Z eP eS | Z ZNE | 15 40 25.5 44 10 | 1.5 | 2.5 | | | |
| | Z N eP eS | Z N ZNE | 08 00 52 01 09 12 05 10 | | | | | |
| | Z eS | Z NE | 20 17 30.7 19 49 | | | | | |
| | eL | ZN | 01 36.4 | | | | | |
| | eLq eLr | Z ZNE | 07 27.7 31.0 | | | | | |
| | 1P eS N eSS eSSS N eL eL | Z N N ZN N ZN ZE | 07 38 55 49 00 54.5 58.2 08 01.0 04.5 08.0 | de | 1.6 | 2.0 | 2.0 | 2.3 |
| | eS | NE | 18 37 42 | | | | | |
| | 1P eS | Z NE | 19 00 16 35 | | | | | |
| | eS N Z eL | N Z ZN | 01 47 52 55.5 57.0 | | | | | |
| | eP e(S) | Z NE | 09 08 06 10 02 | | | | | |
| | eP eS N eL eL | Z NE Z N ZE ZNE | 20 07 57 15 00 19 19.5 21.5 24.0 | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|--------|-------|-----|----|------|------|-----|------|-----|-----|-----|
| OCT 25 | eP | Z | 21 | 38 | 03 | | | | | |
| | eS | NE | | 39 | 56 | | | | | |
| 26 | eS | N | 04 | 16 | 04 | | | | | |
| | eL | ZNE | | 26.3 | | | | | | |
| 26 | eL | ZN | 11 | 52.4 | | | | | | |
| 26 | eL | ZN | 12 | 02.4 | | | | | | |
| 26 | iP | ZNE | 12 | 34 | 35.8 | une | 79.2 | 2.0 | | |
| | iS | NE | | 35 | 05 | | | | | |
| 26 | eP | Z | 13 | 32 | 09 | | | | | |
| | eS | NE | | 47 | | | | | | |
| 26 | iP | Z | 22 | 13 | 27 | | | | | |
| | eS | NE | | 14 | 19 | | | | | |
| 26 | iP | Z | 22 | 19 | 02 | d | 2.5 | 2.0 | 1.2 | 2.0 |
| | iP | NE | | 02.6 | | | | 1.6 | 2.0 | |
| 26 | eP | Z | 22 | 48 | 28 | | | | | |
| | eS | ZNE | | 54.2 | | | | | | |
| | eL | ZE | | 58.2 | | | | | | |
| 27 | eP | Z | 03 | 35 | 12 | | | | | |
| | eS | NE | | 52 | | | | | | |
| 27 | iP | Z | 05 | 22 | 30.2 | d | 1.0 | 1.4 | | |
| | eS | NE | | 24 | 17 | | | | | |
| 27 | iP | ZNE | 08 | 47 | 38 | d | 17.2 | 2.0 | 9.5 | 2.0 |
| | eS | NE | | 49 | 08 | | | | 8.0 | 2.0 |
| 27 | eP | Z | 10 | 41 | 02 | | | | | |
| | eS | NE | | 42 | 37 | | | | | |
| | eL | ZNE | | 43 | 30 | | | | | |
| 27 | eP | Z | 18 | 27 | 15 | | | | | |
| | eS | NE | | 29 | 08 | | | | | |
| | eT | ZNE | | 37 | 45 | | | | | |
| 27 | eP | Z | 19 | 37 | 14 | | | | | |
| | eS | NE | | 44 | | | | | | |
| 28 | iP | ZE | 07 | 57 | 44 | u | 5.0 | 2.0 | | 4.0 |
| | eS | NE | | 59 | 40 | | | | | |
| | eL | ZNE | 08 | 00.1 | | | | | | |
| 28 | iP | ZN | 11 | 52 | 54.3 | un | 13.5 | 1.2 | 5.5 | 1.4 |
| | iS | ZNE | | 53 | 20 | | | | | |
| 28 | eS | N | 12 | 24.3 | | | | | | |
| | eL | ZN | | 35.0 | | | | | | |
| 28 | eP | Z | 13 | 34 | 05 | | | | | |
| | eS | NE | | 35 | 40 | | | | | |
| 28 | iP | ZN | 20 | 02 | 03 | un | 2.1 | 1.3 | | |
| | eS | NE | | 04 | 13 | | | | | |
| 28 | eL | Z | 21 | 07.8 | | | | | | |
| 29 | e | NE | 02 | 37.1 | | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|------|-------|-----|----|------|------|----|------|-----|-----|-----|
| 29 | e | NE | | 39.0 | | | | | | |
| | e(s) | NE | | 44 | 50 | | | | | |
| 29 | iP | ZN | 10 | 20 | 06 | un | | | | |
| | iS | NE | | 19 | | | | | | |
| 29 | iP | Z | 10 | 58 | 02.7 | d | | | | |
| | eS | NE | | 59 | 29 | | | | | |
| 29 | eP | Z | 20 | 25 | 17 | | | | | |
| | eS | NE | | 28 | 22 | | | | | |
| 29 | eP | Z | 22 | 25 | 08 | | | | | |
| | eS | NE | | 27 | 02 | | | | | |
| 29 | eT | ZNE | | 36 | 16 | | | | | |
| | eS | ZNE | 05 | 37 | 38 | | | | | |
| 30 | iP | Z | 03 | 19 | 38 | | | | | |
| | iS | NE | | 21 | 04 | | | | | |
| | eT | ZNE | | 15 | | | | | | |
| 30 | eP | Z | 04 | 28 | 22 | | | | 1.5 | 2.0 |
| | eS | NE | | 30 | 32 | | | | | |
| 30 | iP | Z | 04 | 35 | 16 | | | | | |
| | iS | NE | | 36 | | | | | | |
| 30 | iP | ZE | 08 | 53 | 31 | ue | 1.5 | 1.8 | | 2.0 |
| | eS | NE | | 55 | 00 | | | | | 2.0 |
| 30 | iP | Z | 09 | 56 | 20.2 | d | 1.0 | 1.2 | | |
| | eP | Z | 09 | 30 | 42 | | | | | |
| 30 | eS | NE | | 32 | 27 | | | | | |
| | iP | ZN | 09 | 45 | 28 | | | | 1.5 | 2.0 |
| 30 | iS | NE | | 47 | | | | | 1.6 | 1.8 |
| | eP | Z | 21 | 01 | 48 | | | | | |
| 30 | i | Z | | 52 | | | | | | |
| | eS | NE | | 03 | 24 | | | | | |
| | eT | ZNE | | 08 | 47 | | | | | |
| 31 | iP | Z | 08 | 16 | 46 | | | | | |
| | iS | NE | | 17 | 04 | | | | | |
| 31 | iP | Z | 08 | 30 | 18.3 | d | 12.7 | 1.6 | | |
| | iS | NE | | 36 | | | | | | |
| 31 | iP | ZN | 13 | 10 | 13 | | | | 1.7 | 1.8 |
| | iS | NE | | 44 | | | | | 1.1 | 1.9 |
| 31 | eP | Z | 20 | 42 | 43 | | | | | |
| | eS | NE | | 44 | 26 | | | | | |
| 31 | eP | Z | 22 | 34 | 19 | | | | | |
| | eS | NE | | 35 | 04 | | | | | |
| 31 | e(s) | ZN | 23 | 10 | 00 | | | | | |
| | e | NE | | 13 | 48 | | | | | |
| | e | Z | | 14 | 20 | | | | | |
| | eL | ZNE | | 15 | 40 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|---------|--------------|-----|-----|-----|-----|-----|-----|
| NOV 3 | eP Z | 03 23 27 | 2.0 | 2.0 | | | | |
| | ePP ZE | 27 00 | | | | | | |
| | eS NE | 34 48 | | | | | | |
| | e ZE | 36 06 | | | | | | |
| | e E | 39 26 | | | | | | |
| | eSS Z | 40 00 | | | | | | |
| | eSSS Z | 44.2 | | | | | | |
| | e Z | 48.2 | | | | | | |
| | eLq Z | 50.0 | | | | | | |
| | eLr ZE | 52.4 | | | | | | |
| 3 | 1P Z | 12 03 16.6 u | 5.8 | 1.0 | | | | |
| | 1S NE | 37 | | | | | | |
| 3 | eP Z | 14 36 57 | | | | | | |
| 4 | eP Z | 02 23 53 | 0.5 | 2.0 | | | | |
| 4 | 1P Z | 02 46 24 u | | | | | | |
| 4 | eP Z | 18 25 08 | | | | | | |
| | eS NE | 27 02 | | | | | | |
| | eT ZNE | 35 03 | | | | | | |
| 4 | e(P) Z | 21 34 50 | | | | | | |
| 4 | eP Z | 22 26 48 | 1.3 | 2.0 | | | | |
| 4 | eP Z | 22 35 28 | 0.5 | 1.9 | | | | |
| 5 | eP Z | 04 55 52 | 0.5 | 1.8 | | | | |
| | e(s) NE | 59 06 | | | | | | |
| 5 | eP Z | 05 26 11 | | | | | | |
| 5 | eP Z | 06 16 06 | | | | | | |
| 5 | eP Z | 09 36 55 | 0.5 | 1.9 | | | | |
| | eS NE | 39 15 | | | | | | |
| | eT ZNE | 49 53 | | | | | | |
| 5 | eP Z | 13 21 50 | | | | | | |
| | eS NE | 23 38 | | | | | | |
| | eT ZNE | 31 25 | | | | | | |
| 5 | eP Z | 16 05 35 | | | | | | |
| | eS NE | 08 00 | | | | | | |
| | eT ZNE | 18 22 | | | | | | |
| 5 | eP Z | 23 33 40 | | | | | | |
| | eS NE | 35 00 | | | | | | |
| 6 | eP ZNE | 02 22 16 | 1.0 | 2.0 | | | | |
| | eS NE | 29 40 | | | | | | |
| | eSS ZNE | 33 10 | | | | | | |
| | eLq ZNE | 35 14 | | | | | | |
| | eLr ZE | 37 00 | | | | | | |
| 6 | eP Z | 03 09 09 | | | | | | |
| | eLq NE | 22.0 | | | | | | |
| | eLr ZE | 24.0 | | | | | | |
| 6 | eP ZNE | 06 32 45 | 2.5 | 1.7 | 2.0 | 1.8 | 2.3 | 1.5 |
| | eS ZNE | 35 52 | | | | | | |
| | eT ZNE | 46 37 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| 1 | 1P Z | 08 49 29 d | | | | | | |
| 1 | 1P Z | 09 11 00.6 d | | | | | | |
| 1 | 1P Z | 09 35 42 | | | | | | |
| 1 | eP Z | 02 23 53 | | | | | | |
| | 1S NE | 24 14 | | | | | | |
| 1 | 1P Z | 02 40 19.7 | | | | | | |
| | 1S NE | 40 | | | | | | |
| 1 | eP Z | 02 42 36 | | | | | | |
| | eS NE | 43 07 | | | | | | |
| 1 | eS ZE | 13 11 30 | | | | | | |
| | eL ZNE | 17.8 | | | | | | |
| 1 | eP ZN | 15 56 17 | | | | | | |
| | eS NE | 58 10 | | | | | | |
| | eT ZNE | 16 06 01 | | | | | | |
| 1 | 1P Z | 16 31 23 | 0.9 | 2.3 | | | | |
| | eS ZE | 35 28 | | | | | | |
| | eSS ZE | 36.4 | | | | | | |
| 1 | eS E | 17 04.0 | | | | | | |
| | eSSS NE | 09.9 | | | | | | |
| 1 | eP Z | 17 37 37 | | | | | | |
| | eS NE | 39 28 | | | | | | |
| | eT ZNE | 48 05 | | | | | | |
| 1 | 1P Z | 20 23 27.6 | | | | | | |
| | eS NE | 52 | | | | | | |
| 1 | 1P ZE | 01 34 15.3 ue | 8.2 | 1.5 | | | 3.0 | 1.8 |
| | 1S NE | 36 | | | | | | |
| 1 | 1P Z | 03 07 20.3 d | 0.9 | 1.7 | | | | |
| | eS NE | 09 12 | | | | | | |
| 1 | eP Z | 10 23 45 | | | | | | |
| | 1S N | 50 | | | | | | |
| 1 | 1P Z | 04 02 42 | | | | | | |
| | 1S NE | 03 12 | | | | | | |
| | e ZNE | 04 43 | | | | | | |
| 1 | eP Z | 07 01 54 | | | | | | |
| | eS NE | 02 12 | | | | | | |
| 1 | eL ZN | 09 22.3 | | | | | | |
| 1 | 1P Z | 14 05 20 | | | | | | |
| | 1S NE | 40 | | | | | | |
| 1 | 1P Z | 19 08 42 | | | | | | |
| | 1S NE | 09 03 | | | | | | |
| 1 | eP Z | 21 28 08 | | | | | | |
| | epPcP Z | 30 07 | | | | | | |
| | ePPP Z | 34.7 | | | | | | |
| | 1SKS Z | 37 42 | | | | | | |
| | 1S Z | 39 00 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|----------|------------|------|-----|-----|-----|-----|-----|
| NOV | 1SP Z | 40 03 | | | | | | |
| | 1eSP Z | 44 18 | | | | | | |
| | 1eSS Z | 48 58 | | | | | | |
| 10 | 1S NE | 01 59 30 | | | | | | |
| 10 | eP Z | 02 11 13 | | | | | | |
| | eS NE | 12 06 | | | | | | |
| 10 | eS ZNE | 17 37 44 | | | | | | |
| | eL ZE | 48 16 | | | | | | |
| 10 | eP Z | 19 23 49 | 1.0 | 1.6 | | | | |
| | eS NE | 26 25 | | | | | | |
| 11 | eP Z | 00 31 39 | | | | | | |
| | 1S NE | 32 30 | | | | | | |
| 11 | 1P ZNE | 11 30 02.9 | 18.7 | 1.8 | 5.5 | 2.1 | 7.4 | 2.0 |
| | 1S ZNE | 39 | | | | | | |
| 11 | e(S) ZNE | 14 38.7 | | | | | | |
| 12 | 1P Z | 01 17 37.6 | 9.0 | 1.2 | | | | |
| | 1S NE | 57 | | | | | | |
| 12 | eP Z | 05 52 36 | | | | | | |
| | e ZNE | 53 00 | | | | | | |
| | e NE | 54 56 | | | | | | |
| | e ZE | 59 50 | | | | | | |
| 12 | e(S) E | 06 14 06 | | | | | | |
| 12 | 1P Z | 06 19 10.7 | | | | | | |
| | 1S NE | 31 | | | | | | |
| 12 | e N | 07 47.7 | | | | | | |
| | eL E | 48.6 | | | | | | |
| | eL Z | 49.1 | | | | | | |
| 12 | eP Z | 12 46 15 | | | | | | |
| | eS NE | 47 58 | | | | | | |
| | eL ZNE | 48.1 | | | | | | |
| 13 | eP Z | 00 42 48 | | | | | | |
| | eS NE | 43 22 | | | | | | |
| 13 | 1P Z | 03 36 02 | | | | | | |
| | 1S NE | 23 | | | | | | |
| 13 | 1P ZE | 05 44 32 | 7.7 | 1.8 | | | 6.5 | 1.9 |
| | 1S NE | 50 | | | | | | |
| 13 | 1P ZN | 11 21 07.5 | 1.1 | 1.2 | 1.0 | 1.5 | | |
| | 1 Z | 13 | 4.5 | 1.5 | | | | |
| | eS NE | 23 15 | | | | | | |
| 13 | eP Z | 13 53 39 | 2.1 | 1.8 | | | | |
| | e(S) ZNE | 54 00 | | | | | | |
| | 1 N | 10 | | | | | | |
| | e ZNE | 56 13 | | | | | | |
| 13 | eP Z | 15 49 03 | | | | | | |
| | eS NE | 50 53 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---------|------------|-----|-----|-----|-----|-----|-----|
| | ZNE | 51.5 | | | | | | |
| | eL Z | 16 08 50 | | | | | | |
| 13 | eP NE | 10 29 | | | | | | |
| | eS ZNE | 11.1 | | | | | | |
| | eL Z | 17 21 03 | | | | | | |
| 13 | eP NE | 22 49 | | | | | | |
| | eS ZNE | 23.2 | | | | | | |
| | eL Z | 18 06 26 | | | | | | |
| 13 | eP NE | 08 09 | | | | | | |
| | eS ZN | 23 25 28 | u | 6.0 | 0.8 | 6.4 | 0.8 | |
| | 1P NE | 48 | | | | | | |
| | e Z | 04 31.0 | | | | | | |
| | e ZE | 35.5 | | | | | | |
| 14 | eP ZNE | 04 40 21 | 1.6 | 2.0 | 1.8 | 2.0 | 2.0 | 2.1 |
| | eS NE | 44 10 | | | | | | |
| | eL ZE | 45 26 | | | | | | |
| 14 | eP Z | 07 37 37 | | | | | | |
| | eS NE | 38 33 | | | | | | |
| | eL ZNE | 42 33 | | | | | | |
| 14 | eP Z | 14 10 09 | 1.2 | 2.0 | | | | |
| | e E | 16 | | | | | | |
| | eS ZE | 15 10 | | | | | | |
| 14 | eP Z | 14 16 21 | | | | | | |
| | eS NE | 18 45 | | | | | | |
| 14 | eP Z | 18 31 41 | | | | | | |
| | eS NE | 33 21 | | | | | | |
| 15 | 1P Z | 01 27 49.8 | | | | | | |
| | eS NE | 28 10 | | | | | | |
| 15 | eP Z | 12 25 23 | | | | | | |
| | eS NE | 43 | | | | | | |
| 15 | eP Z | 16 05 44 | | | | | | |
| | eS NE | 07 25 | | | | | | |
| 15 | 1P ZE | 21 17 30.3 | de | | | | | |
| | eS ZN | 26 36 | | | | | | |
| | eSSS ZN | 34 00 | | | | | | |
| | eL ZN | 36 36 | | | | | | |
| | eL ZNE | 22 31 53 | 1.3 | 1.0 | | | | |
| 15 | eP Z | 22 02 13 | | | | | | |
| | 1S NE | 58 | | | | | | |
| 16 | eL ZNE | 03 02.0 | | | | | | |
| 16 | eS ZNE | 07 08.1 | | | | | | |
| | eL ZNE | 21.0 | | | | | | |
| 16 | 1P ZE | 22 45 29.4 | d | | | | | |
| | eS NE | 46 57 | | | | | | |
| | 1L NE | 47 13 | | | | | | |
| | 1L Z | 20 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te | |
|--------|-------|-------|----------------|-----|-----|------|-----|------|-----|
| NOV 16 | eP | Z | 23 42 02 | 2.8 | 1.0 | 3.6 | 1.8 | 4.2 | 1.3 |
| | eP | NE | 04 | | | | | | |
| | eS | NE | 43 32 | | | | | | |
| | eT | ZNE | 50 35 | | | | | | |
| 17 | eP | Z | 00 51 02 | 1.7 | 1.2 | | | | |
| | eS | NE | 52 31 | | | | | | |
| | eT | ZNE | 01 00 07 | | | | | | |
| 17 | eP | Z | 01 15 38 | | | | | | |
| | eS | NE | 17 07 | | | | | | |
| | eT | ZNE | 24 35 | | | | | | |
| 17 | e(L) | Z | 01 45.4 | | | | | | |
| | e(L) | Z | 52.6 | | | | | | |
| 17 | eP | Z | 10 29 08 | | | | | | |
| | eS | NE | 30 30 | | | | | | |
| | eT | ZNE | 37 06 | | | | | | |
| 17 | iP | ZNE | 13 15 39.9 dse | 4.5 | 2.0 | 3.4 | 1.5 | 3.5 | 2.0 |
| | eS | NE | 17 07 | | | | | | |
| 18 | iP | ZNE | 01 51 04.5 d | 3.4 | 1.5 | 4.2 | 1.6 | 5.0 | 1.8 |
| | iS | NE | 22 | | | | | | |
| 18 | eP | Z | 04 45 08 | | | | | | |
| | iS | NE | 29.6 | | | | | | |
| 18 | iP | Z | 10 30 44 | | | | | | |
| | iS | NE | 31 07.2 | | | | | | |
| 18 | eP | ZE | 13 18 41 | | | | | | |
| | iP | ZNE | 13 52 12.6 d | | | | | | |
| 18 | iS | NE | 39 | | | 11.6 | 2.0 | 10.5 | 2.0 |
| | eS | ZNE | 14 59 04 | | | | | | |
| 18 | eSS | E | 15 03 06 | | | | | | |
| | eSSS | NE | 07 30 | | | | | | |
| | iL | Z | 10 30 | | | | | | |
| | iP | Z | 15 52 06.4 | | | | | | |
| 18 | iS | NE | 25 | | | | | | |
| | e(P) | ZNE | 19 48 30 | | | | | | |
| 18 | eP | Z | 49 45 | | | | | | |
| | eS | ZNE | 50 09 | | | | | | |
| | eP | ZE | 21 15 54 | | | | | | |
| 18 | eP | ZE | 21 15 54 | 0.7 | 2.0 | | | 0.8 | 2.0 |
| | e | NE | 52 10 | | | | | | |
| 19 | eP | ZNE | 10 50 02 | 1.2 | 2.0 | 1.1 | 2.0 | 1.0 | 2.0 |
| | e | NE | 52 10 | | | | | | |
| 19 | eP | Z | 11 11 51 | 0.5 | 2.0 | | | | |
| | eL | NE | 29.0 | | | | | | |
| | eL | NE | 31.2 | | | | | | |
| 19 | iP | ZNE | 15 53 43.3 d | 4.5 | 1.9 | 5.1 | 1.9 | 5.0 | 2.0 |
| | iS | NE | 54 03 | | | | | | |
| 19 | eP | Z | 18 29 38 | 0.9 | 2.2 | | | | |
| 19 | eP | Z | 18 37 26 | | | | | | |
| | iS | NE | 38 03.5 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te | |
|------|-------|-------|--------------|------|-----|-----|-----|-----|-----|
| 19 | eP | Z | 19 27 28 | | | | | | |
| | eS | NE | 28 55 | | | | | | |
| 19 | eP | Z | 21 33 52 | | | | | | |
| | eS | NE | 35 32 | | | | | | |
| 20 | iP | Z | 08 55 (15) u | 1.9 | 1.0 | | | | |
| | iS | NE | 56 | | | | | | |
| 20 | iP | ZNE | 58 33 | 10.5 | 2.0 | 5.8 | 2.0 | 3.8 | 2.0 |
| | iS | NE | 43 | | | | | | |
| 20 | iP | Z | 12 02 03 | 1.5 | 1.1 | | | | |
| | eS | NE | 03 29 | | | | | | |
| 20 | eL | ZE | 04 20 | | | | | | |
| | eL | N | 10 04 | | | | | | |
| | eT | ZNE | 10 04 | | | | | | |
| | iP | Z | 18 28 47 | | | | | | |
| 20 | iP | Z | 05 56 51 | | | | | | |
| | eS | NE | 58 19 | | | | | | |
| 20 | iP | Z | 07 39 09.4 | | | | | | |
| | iS | NE | 33 | | | | | | |
| 21 | eP | Z | 09 09 58 | | | | | | |
| | eS | NE | 11 26 | | | | | | |
| 21 | eP | Z | 20 02 14 | | | | | | |
| | eS | NE | 03 49 | | | | | | |
| 21 | eP | Z | 20 27 50 | | | | | | |
| | eS | NE | 00 30 08 | | | | | | |
| 22 | eP | Z | 06 06 52 | | | | | | |
| | eS | NE | 08 03 | | | | | | |
| 22 | eS | NE | 15 05 56 | | | | | | |
| | eL | ZNE | 16.3 | | | | | | |
| 22 | eP | ZNE | 17 04 34 | 3.0 | 2.0 | 2.4 | 2.0 | 3.6 | 2.0 |
| | eS | NE | 05 10 | | | | | | |
| | eT | ZNE | 08 20 | | | | | | |
| 22 | iP | ZN | 21 51 27 | 1.0 | 1.9 | 1.0 | 1.9 | | |
| | eP | Z | 02 36 50 | | | | | | |
| 23 | eP | Z | 02 36 50 | | | | | | |
| | eS | NE | 37 10 | | | | | | |
| 23 | eS | NE | 08 11 26 | | | | | | |
| | eSSS | E | 19 56 | | | | | | |
| | eL | ZNE | 22.7 | | | | | | |
| 23 | eP | Z | 08 32 01 | | | | | | |
| | eS | NE | 36 | | | | | | |
| | eT | ZNE | 34 23 | | | | | | |
| 23 | eP | ZNE | 11 45 43 | | | | | | |
| | eS | NE | 47 21 | | | | | | |
| 23 | iP | ZNE | 19 32 23.7 d | 5.3 | 1.7 | 2.0 | 2.0 | 2.1 | 1.6 |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|----------------|-----------------|----------------------|----------------|-----|-----|-----|-----|
| NOV | 1S | ZNE | 33 | 59.2 | | | | |
| 24 | eP eS eT | Z ZNE ZNE | 01 42 43 46 | 34 17 35 | | | | |
| 24 | eP eS | ZE ZNE | 05 10 12 | 48 22 | 1.4 | 1.9 | 0.9 | 2.0 |
| 24 | eP eS | Z NE | 05 15 17 | 29 54 | 2.0 | 1.1 | | |
| 24 | eP eS | ZE NE | 05 22 24 | 47 20 | 0.8 | 1.3 | 1.0 | 1.5 |
| 24 | eP eS | Z NE | 06 18 19 | 18 50 | | | | |
| 24 | eP eS | Z NE | 22 27 28 | 38 07 | | | | |
| 25 | eP eS | Z NE | 00 52 42 | 00 | | | | |
| 25 | 1P eS | Z NE | 03 21 22 | 31.7 13 | | | | |
| 25 | 1P 1S | Z NE | 03 26 27 | 27 06.7 | | | | |
| 25 | eP eS | Z NE | 04 30 32 | 39 14 | | | | |
| 26 | eP | NE | 07 | 01 52 | 1.4 | 2.0 | 1.7 | 2.0 |
| 26 | eP eS | NE ZNE | 22 53 55 | 10 34 | | | 2.5 | 2.0 |
| 27 | 1P 1S | NE NE | 19 51 53 | 36 53 | | | | |
| 28 | eS | ZNE | 15 | 16.7 | | | | |
| 28 | eL | Z | 19 | 37.7 | | | | |
| 29 | eP eS eT | NE NE NE | 06 18 19 22 | 36 14 19 | | | | |
| 29 | eS | ZNE | 10 | 30.8 | | | | |
| 29 | eP eS | NE NE | 18 57 58 | 14 39 | 3.1 | 2.0 | 3.5 | 1.8 |
| 30 | eLr | ZE | 10 | 16.7 | | | | |
| 30 | eP eS eT | NE NE NE | 12 22 23 26 | 22 09 16 | | | | |
| DEC | 1 | eP eS | 03 02 03 | 38 37 | | | | |
| 1 | eP eS | NE NE | 17 02 34 | 17 34 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te | |
|------|----------------|------------------|--------------------------|------------------|-----|-----|-----|-----|-----|
| | et | NE | 04 | 02 | | | | | |
| | eP 1S et | NE NE NE | 17 24 27 | 27 53 00 | | | | | |
| | 1P 1S | NE NE | 00 24 25 | 57 15 | 2.7 | 2.0 | 2.2 | 2.0 | |
| | eP eS | NE NE | 00 35 36 | 41 12 | | | | | |
| | eP e(S) | Z NE | 12 23 25 | 41 03 | | | | | |
| | eL eL | N Z | 14 26.0 31.8 | | | | | | |
| | eP eS | Z NE | 17 35 37 | 17 28 | | | | | |
| | eSSP eL | Z Z | 21 31.5 48.1 | | | | | | |
| | eL | ZN | 05 | 39.7 | | | | | |
| | 1P 1S | ZE NE | 12 16 17 | 45.4 uw 05 | 6.4 | 1.2 | 3.1 | 1.9 | |
| | 1P eS | ZN NE | 14 35 37 | 33 06 | u | 2.7 | 1.9 | 1.5 | 1.9 |
| | eP eS eT | Z NE ZNE | 19 45 47 55 | 58 54 00 | | | | | |
| | eP eS eL | Z ZNE ZE | 21 20 24 26.0 | 03 00 | | | | | |
| | eP eS eL | ZE ZNE Z | 21 34 38 40.4 | 57 28 | | | 1.3 | 1.9 | |
| | eSS e eL | N ZN ZN | 23 34 42.2 48.2 | 50 | | | | | |
| | 1P | ZE | 00 | 18 13 | | | | | |
| | eP eS eT | ZNE NE ZNE | 00 49 53 01 | 17 07 29 | | | | | |
| | eP eS | Z NE | 01 22 23 | 58 44 | | | | | |
| | eS eL | ZN ZNE | 01 47 58.8 | 30 | | | | | |
| | eL | ZN | 03 | 14.2 | | | | | |
| | eL | ZNE | 04 | 50.6 | | | | | |
| | 1P | Z | 07 | 48 38.2 a | 1.0 | 1.9 | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|----------|------------|-----|-----|-----|-----|-----|-----|
| DEC | eS NE | 50 19 | | | | | | |
| 4 | eL ZN | 08 54.5 | | | | | | |
| 4 | eP Z | 09 36 45 | 0.8 | 1.4 | | | | |
| | eS NE | 38 15 | | | | | | |
| 4 | eS NE | 16 19 06 | | | | | | |
| | eSS NE | 23 34 | | | | | | |
| | eSSS ZNE | 26 30 | | | | | | |
| 5 | eSSS NE | 04 50 00 | | | | | | |
| | eL ZNE | 53.0 | | | | | | |
| 5 | 1P Z | 05 41 48 | | | | | | |
| | e E | 42 19 | | | | | | |
| | e N | 27 | | | | | | |
| 6 | eP Z | 00 58 52 | | | | | | |
| | eS NE | 01 00 25 | | | | | | |
| 6 | 1P ZE | 02 03 58 | 1.7 | 2.2 | | | | |
| | eL ZE | 15.9 | | | | | 0.9 | 2.2 |
| 6 | 1P Z | 12 24 27 | | | | | | |
| | eS NE | 44 | | | | | | |
| 6 | eP Z | 14 23 03 | | | | | | |
| | eS NE | 31 | | | | | | |
| 6 | eP ZN | 23 47 38 | 2.0 | 2.0 | 1.5 | 1.9 | | |
| | eS NE | 57 | | | | | | |
| 7 | eP Z | 03 43 31 | | | | | | |
| | 1S NE | 57.3 | | | | | | |
| 7 | 1P ZNE | 04 10 20.5 | 9.6 | 1.9 | 6.9 | 1.9 | 6.0 | 1.8 |
| | eS ZNE | 12 17 | | | | | | |
| 7 | eP Z | 05 09 58 | | | | | | |
| | eS NE | 11 44 | | | | | | |
| 7 | eP ZE | 05 56 05 | 3.0 | 2.0 | | | 1.5 | 1.9 |
| | eS NE | 58 43 | | | | | | |
| 7 | eP ZE | 10 36 10 | | | | | | |
| | eS NE | 38 48 | | | | | | |
| | e ZE | 40 00 | | | | | | |
| 7 | eL ZNE | 15 42.2 | | | | | | |
| 7 | e1P Z | 17 41 03 | 1.7 | 1.2 | | | | |
| | eS ZNE | 43 52 | | | | | | |
| | eT ZNE | 54 29 | | | | | | |
| 7 | 1P Z | 22 39 38 | u | 1.3 | 2.0 | | | |
| | eS NE | 42 28 | | | | | | |
| 8 | 1P Z | 03 47 50 | | | | | | |
| | 1S NE | 48 09 | | | | | | |
| 8 | eP Z | 05 21 15 | | | | | | |
| | eS NE | 58 | | | | | | |
| | eT ZNE | 25 16 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|--------|--------------|-----|-----|-----|----|-----|-----|
| | eL ZN | 08 23.5 | | | | | | |
| 9 | eP NE | 10 55 47 | | | | | 7.8 | 1.9 |
| | eS NE | 57 25 | | | | | | 5.7 |
| 9 | eP NE | 19 20 48 | | | | | | |
| | eS NE | 23 05 | | | | | | |
| 10 | 1P E | 03 40 51.8 | | | | | | |
| | eS NE | 48 33 | | | | | | |
| | eSS N | 52.6 | | | | | | |
| | eL ZN | 56.3 | | | | | | |
| 10 | eP ZNE | 15 43 20 | | | | | | |
| 10 | 1P ZNE | 00 48 20 | | | | | | |
| | 1S NE | 42 | | | | | | |
| 11 | eP NE | 11 15 19 | | | | | | |
| | eS NE | 17 37 | | | | | | |
| 11 | eP NE | 14 09 29 | | | | | | |
| | eS NE | 12 19 | | | | | | |
| 11 | eP NE | 14 50 56 | | | | | | |
| | 1S NE | 51 16 | | | | | | |
| 11 | eS ZN | 17 27 42 | | | | | | |
| | eL ZN | 37.3 | | | | | | |
| 12 | eP Z | 05 43 40 | | | | | | |
| | eS ZNE | 45 27 | | | | | | |
| 12 | 1P Z | 09 50 30.7 d | 0.4 | 1.5 | | | | |
| 12 | 1P Z | 19 28 41 | 1.9 | 1.0 | | | | |
| | 1S E | 29 11 | | | | | | |
| 12 | eP Z | 21 21 34 | | | | | | |
| | eS ZE | 51 | | | | | | |
| 12 | eP Z | 22 28 12 | 0.7 | 1.3 | | | | |
| | eS ZE | 29 18 | | | | | | |
| | eT ZE | 34 34 | | | | | | |
| 12 | 1P Z | 22 30 36.2 | | | | | | |
| | 1S E | 31 15.4 | | | | | | |
| 12 | eL ZN | 23 55.4 | | | | | | |
| 13 | eP Z | 02 59 56 | | | | | | |
| | 1S NE | 03 00 45 | | | | | | |
| 13 | 1P Z | 04 11 56.8 | 1.0 | 0.9 | | | | |
| | 1S NE | 12 15.9 | | | | | | |
| 13 | eP Z | 07 43 52 | | | | | | |
| | 1S E | 44 28 | | | | | | |
| 13 | 1P Z | 09 22 01 | | | | | | |
| | 1S E | 21 | | | | | | |
| 14 | e(P) Z | 15 52 03 | 0.5 | 2.0 | | | | |
| 14 | 1P ZE | 16 20 05 | u | 3.0 | 1.5 | | 2.6 | 1.5 |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|-----------------------------------|---------|------|------|------|-----|-----|-----|------|-----|----|
| DEC | eS E | 21 | 52 | | | | | | | |
| 14 | eP Z | 23 | 18 | 00 | | | | | | |
| | eS E | 19 | 20 | | | | | | | |
| 16 | eL ZNE | 02 | 26.0 | | | | | | | |
| | eL ZNE | 31.3 | | | | | | | | |
| 16 | e(P) Z | 14 | 08 | 00 | 0.5 | 2.0 | | | | |
| 16 | eP Z | 14 | 28 | 14 | | | | | | |
| | eS NE | 36.6 | | | | | | | | |
| | eLq N | 43.9 | | | | | | | | |
| | eLr ZNE | 46.6 | | | | | | | | |
| 16 | 1P ZNE | 15 | 19 | 06.9 | une | 60± | 1.5 | | | |
| | 1S NE | 26 | | | | | | 17.7 | 2.0 | |
| Felt: Faleolo, Savai'i, W. Samoa. | | | | | | | | | | |
| 17 | eP Z | 08 | 37 | 32 | | | | | | |
| | e NE | 41 | 20 | | | | | | | |
| 17 | e(P) Z | 09 | 18 | 17 | | | | | | |
| | e(S) NE | 19 | 50 | | | | | | | |
| 17 | eP Z | 15 | 28 | 57 | | | | | | |
| | eS E | 29 | 15 | | | | | | | |
| 17 | eP Z | 23 | 20 | 43 | | | | | | |
| | eS E | 21 | 15 | | | | | | | |
| | e ZE | 23 | 10 | | | | | | | |
| 18 | 1P Z | 00 | 32 | 45 | u | | | | | |
| 18 | eP Z | 03 | 32 | 26 | | 0.3 | 0.7 | | | |
| | eS NE | 34 | 22 | | | | | | | |
| 18 | eP Z | 05 | 06 | 57 | | | | | | |
| 18 | 1P Z | 06 | 40 | 30.9 | u | | | | | |
| | eS NE | 42 | 05 | | | | | | | |
| 18 | eP Z | 12 | 25 | 37 | | | | | | |
| | eS NE | 28 | 18 | | | | | | | |
| | eT ZNE | 42 | 01 | | | | | | | |
| 18 | 1P Z | 15 | 26 | 30 | d | 0.9 | 0.8 | | | |
| 18 | eP Z | 20 | 23 | 15 | | | | | | |
| | 1S NE | 44 | | | | | | | | |
| | eT ZNE | 25 | 50 | | | | | | | |
| 19 | eP Z | 02 | 36 | 45 | | | | | | |
| | eS NE | 38 | 49 | | | | | | | |
| 19 | eP Z | 03 | 23 | 07 | | | | | | |
| | 1S NE | 26 | | | | | | | | |
| 19 | eP Z | 08 | 27 | 56 | | | | | | |
| | eS ZN | 30 | 09 | | | | | | | |
| 19 | eP Z | 10 | 15 | 53 | | | | | | |
| | eS NE | 16 | 12 | | | | | | | |
| 19 | e NE | 13 | 28 | 04 | | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|------|----------|------|------|----|-----|-----|-----|-----|-----|-----|
| 19 | 1P Z | 17 | 17 | 07 | u | 2.5 | 2.2 | | | |
| | eS E | 27 | 50 | | | | | | | |
| | eS ZE | 34 | 08 | | | | | | | |
| | eS Z | 41 | 00 | | | | | | | |
| | eL ZE | 45.2 | | | | | | | | |
| 19 | e(P) Z | 18 | 39 | 54 | | | | | | |
| | ZNE | 23 | 34 | 00 | | | | | | |
| 19 | e Z | 00 | 29 | 38 | d | 1.1 | 2.0 | | | |
| | 1P Z | 34 | 22 | | | | | | | |
| | eS ZNE | 36.3 | | | | | | | | |
| | eL ZNE | 04 | 52 | 56 | une | 9.6 | 1.0 | | | |
| | 1P NE | 53 | 13 | | | | | | | |
| 20 | 1P Z | 09 | 07 | 05 | u | 1.4 | 2.0 | | | |
| 20 | eP Z | 21 | 13 | 34 | | | | | | |
| | eS NE | 14 | 44 | | | | | | | |
| | eT ZNE | 20 | 40 | | | | | | | |
| 21 | eP ZE | 04 | 15 | 08 | | 1.5 | 1.9 | | 0.5 | 1.8 |
| 21 | e(L) ZNE | 07 | 18.9 | | | | | | | |
| 21 | eP Z | 12 | 36 | 12 | | | | | | |
| | i E | 23.4 | | | | | | | | |
| | i N | 27 | | | | | | | | |
| | eS NE | 37 | 32 | | | | | | | |
| | e(T) ZNE | 43 | 08 | | | | | | | |
| 21 | i(P) Z | 12 | 41 | 43 | d | 3.2 | 2.0 | 4.5 | 1.7 | 3.5 |
| | i NE | 52 | | | | | | | | |
| 21 | eS E | 13 | 30 | 24 | | | | | | |
| | eLq NE | 39.8 | | | | | | | | |
| | eLr ZNE | 43.2 | | | | | | | | |
| 21 | eP Z | 14 | 35 | 40 | | | | | | |
| | 1S NE | 36 | 25 | | | | | | | |
| 21 | eP Z | 22 | 07 | 29 | | | | | | |
| | eS NE | 09 | 30 | | | | | | | |
| 22 | 1P Z | 10 | 39 | 37 | | | | | | |
| | 1S NE | 56 | | | | | | | | |
| 22 | eP Z | 12 | 05 | 10 | | | | | | |
| 22 | eP Z | 12 | 36 | 35 | | | | | | |
| | eS NE | 37 | 30 | | | | | | | |
| 22 | eP Z | 13 | 40 | 51 | | | | | | |
| 22 | e ZE | 17 | 43 | 06 | | | | | | |
| 22 | i(P) Z | 17 | 44 | 58 | d | 1.7 | | | | |
| | e(S) NE | 46 | 44 | | | | | | | |
| 22 | eP Z | 18 | 48 | 02 | | | | | | |
| | eS ZNE | 40 | | | | | | | | |
| | eT ZNE | 51 | 32 | | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|---------------------|-----------------------|--|---------------------------------|---------------------------------|-----|-----|---------|
| DEC 23 | eP eS | Z NE | 18 01 42 04 02 | | | | | |
| 24 | eP eS e | ZNE ZNE ZE | 11 22 57 26 46 28 26 | | | | | |
| 24 | eP | Z | 21 14 11 | 1.0 | 2.0 | | | |
| 24 | eP eS | Z NE | 23 09 14 11 31 | | | | | |
| 24 | eP eS | Z NE | 23 56 38 57 31 | | | | | |
| 25 | 1P | Z | 03 14 03.4 u | 0.6 | 1.7 | | | |
| 25 | eP eS | Z NE | 04 58 37 59 27 | | | | | |
| 25 | eP | Z | 05 22 14 | | | | | |
| 25 | e(P) e e e | ZN ZN ZN ZNE | 08 03 46 04 05 20 39 06 04 | 0.6 0.6 1.5 1.0 0.5 | 1.8 1.8 1.8 1.8 1.8 | | | |
| 25 | e | ZN | 08 09 07 | 1.0 | 2.0 | | | |
| 25 | eP | Z | 09 21 50 | | | | | |
| 25 | eP e eS | Z Z ZNE | 09 26 36 27 22 27 | | | | | |
| 25 | e(P) | Z | 09 56 05 | 0.5 | 1.7 | | | |
| 25 | e(P) e | Z Z | 10 11 52 13 31 | 0.6 | 1.7 | | | |
| 25 | 1P eS | Z NE | 12 25 11.8 42 | 1.5 | 0.7 | | | |
| 25 | eP eS | Z NE | 20 19 34 20 34 | | | | | |
| 25 | e(P) e(S) | Z ZNE | 20 24 17 25 13 | | | | | |
| 26 | eP | Z | 01 43 25 | 0.5 | 2.0 | | | |
| 26 | 1P 1S | Z NE | 14 49 14.2 32.3 | | | | | |
| 27 | 1P 1S eT | ZN ZNE ZNE | 05 22 26 d 23 10 25 24 | 3.9 | 1.6 | 2.0 | 1.8 | |
| 28 | eP eS | Z NE | 03 16 27 17 34 | 1.1 | 0.7 | | | |
| 28 | 1P | ZNE | 04 37 11.8 d | 2.0 | 1.8 | 2.0 | 1.8 | 2.0 1.9 |
| 28 | 1P | Z | 05 52 12.3 | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|-------------------|---------------------|---------------------------------------|------------|------------|-----|-----|-----|
| 28 | eS eL | N ZNE | 06 00.0 01.4 | | | | | |
| 28 | eP 1S | Z NE | 06 05 32 53 | | | | | |
| 28 | 1P 1S eT | Z Z NE ZNE | 09 08(22) d 24.1 11 46 20 08 | 1.4 6.2 | 2.0 2.0 | | | |
| 28 | eP 1S | Z NE | 11 32 46 33 09 | | | | | |
| 28 | eS eL eL | N N ZNE | 18 24.0 36.0 40.2 | | | | | |
| 28 | eL | ZNE | 00 21.0 | | | | | |
| 28 | 1P | Z | 08 41 15.6 d | | | | | |
| 28 | 1P 1S | Z NE | 09 08 11.5 24 | | | | | |
| 28 | 1P eS | ZN NE | 15 02 34.3 04 14 | 3.4 | 1.9 | 2.7 | 1.9 | |
| 28 | eP eS | Z NE | 03 14 53 16 25 | | | | | |
| 28 | eP 1S | Z NE | 13 53 57 54 13 | | | | | |
| 28 | eL | ZN | 14 00.0 | | | | | |
| 28 | 1P eS | Z NE | 15 16 57.6 u 18 30 | 0.7 | 1.5 | | | |
| 28 | eP 1S eT | Z NE ZNE | 20 53 16 54 00 57 18 | | | | | |
| 28 | eP eS | Z NE | 21 21 34 22 02 | | | | | |
| 28 | eP eS | Z NE | 01 33 15 34 36 | | | | | |
| 28 | 1P 1S | Z NE | 03 39 34 59 | | | | | |
| 28 | 1P 1S | Z NE | 10 23 51 d 25 25.3 | 4.5 | 1.0 | | | |
| 28 | eP eS | Z NE | 16 46 10 37 | | | | | |
| 28 | 1P 1S | Z NE | 17 26 42.5 27 02 | 1.9 | 0.9 | | | |
| 28 | ePP eSKS eS | ZN N ZN | 17 56.0 18 02.2 04.8 | | | | | |
| 28 | 1P 1S | ZNE ZNE | 19 17 57 18 31 | | | | | une |

SUVA

In this Report, Suva readings are listed separately and not, as in previous years, placed with the New Zealand stations. Amplitudes are given in millimetres, read directly from the paper records of the Milne-Shaw seismograph.

| Date | Phase | h m s | An | Tn |
|-------|-------|----------|-----|----|
| JAN 1 | eS | 17 32 02 | 1 | 10 |
| 5 | eP | 13 07 30 | | |
| | PP | 08 03 | | |
| | S | 10 42 | 2.2 | 10 |
| | SS | 11 35 | | |
| | L | 12 49 | 5 | 9 |
| 7 | eP | 19 23 05 | | |
| | S | 24 39 | | |
| 13 | S | 04 20 17 | | |
| 14 | eP | 11 22 20 | | |
| 15 | eP? | 17 40 31 | | |
| | iS | 41 37 | 5.5 | 5 |
| | (eS) | 55 | | |
| 15 | P | 19 28 10 | | |
| | iS | 29 10 | 7 | 8 |
| 24 | S | 12 12 35 | 1.5 | 5 |
| 25 | eS | 00 20 10 | | |
| 25 | eS | 16 59 11 | | |
| | L | 17 00 29 | | |
| 25 | eP | 20 23 41 | | |
| | S | 25 11 | | |
| 28 | PP | 12 19 02 | | |
| | PcP | 21 23 | | |
| | S | 23 31 | 2.1 | 6 |
| | SS | 25 15 | | |
| | L | 26.0 | 5 | 21 |
| 28 | ePP | 13 16 26 | | |
| | S | 22 20 | 2.3 | 5 |
| | SKS | 23 11 | | |
| | eSS | 26 34 | | |

SUVA 1963

263

| Date | Phase | h m s | An | Tn |
|-------|-------|----------|-----|----|
| JAN | eSS | 31 30 | | |
| | Lq | 34.8 | 5.6 | 22 |
| 28 | eL | 16 13.8 | | |
| 30 | PP | 10 30 30 | | |
| | SKS | 37 30 | | |
| | eSS | 43 13 | | |
| | SSS | 47 23 | 6 | 20 |
| | eL | 58.1 | | |
| FEB 2 | P | 04 51 39 | | |
| | S | 59 | | |
| 2 | eP | 14 39 40 | | |
| 3 | iP | 01 51 57 | | s |
| 3 | eL | 01 30.5 | | |
| | ScS | 34 28 | | |
| 4 | eP | 15 07 20 | | |
| | S | 08 55 | 0.8 | 12 |
| 5 | L | 21 23.0 | 0.8 | 20 |
| 6 | e | 02 08 | | |
| 6 | P | 05 55 10 | | |
| | S | 56 05 | | |
| 6 | P | 12 48 18 | | |
| | S | 49 17 | | |
| | eL | 50 | | |
| 7 | eS | 17 13 30 | 1.1 | 10 |
| 11 | eS | 12 24 42 | | |
| | L | 25 53 | | |
| 12 | P | 23 08 54 | | |
| | S | 09 57 | | |
| 13 | P | 09 01 08 | 1.2 | 8 |
| | (PcP) | 55 | | |
| | PP | 03 36 | 2.1 | 9 |
| | S | 10 02 | | |
| | PS | 28 | | |
| | ScS | 11 24 | | |
| | SS | 14 20 | | |
| | Lq | 18.2 | 7 | 22 |
| 13 | P | 18 18 11 | 3 | 10 |
| | S | 21 42 | 18 | 20 |
| 14 | S | 06 56 26 | 1.5 | 9 |
| 14 | e | 07 26 14 | 2.2 | 10 |
| 14 | P | 21 53 32 | | |
| | S | 55 17 | 4 | 13 |
| 14 | S | 22 03 36 | 5 | 10 |
| 15 | e(S) | 00 11 45 | | |

| Date | Phase | h m s | An | Tn |
|--------|-----------------------------|--|------------|----------|
| FEB 15 | e | 00 56 | | |
| 15 | S | 05 44 05 | 1.2 | 10 |
| 15 | eP | 06 55 20 | | |
| 20 | eP S | 06 47 32 48 40 | | |
| 20 | P eS | 08 46 00 47 54 | 1.2 5.2 | 5 10 |
| 21 | P eS | 14 30 18 32 04 | 2 | 6 |
| 22 | 1S | 08 01 05 | 5.5 | 7 |
| 26 | e | 10 51 37 | | |
| 26 | 1P pP eS ScP SS | 21 20 29 21 19 25 27 26 06 27 54 | 17 | 15 |
| 27 | P PP PcP S L | 04 36 46 37 45 38 54 40 17 43 20 | 2 9.5 | 8 22 |
| MAR 4 | eP? (P*) S | 04 09 03 22 54 | | |
| 4 | S | 19 08 07 | | |
| 8 | eS | 02 48 11 | | |
| 8 | eS | 03 28 34 | | |
| 9 | eL | 19 17.7 | | |
| 16 | 1P S eL | 08 56 00 09 04 51 15.5 | 9.5 8.5 | 12 18 |
| 20 | 1P S PcP | 04 44 36 45 23 49 53 | | |
| 24 | PcP S (ScS) eSSS | 02 17 35 24 43 25 34 30 40 | | |
| 27 | eL | 00 30.0 | | |
| 28 | SS eL | 00 55 24 01 17.0 | 1.7 | 22 |
| 28 | eP S L | 11 15 44 18 06 38 | 1.5 | 5 |

| Date | Phase | h m s | An | Tn |
|------|----------------------------|---|--------------|--------------------|
| 23 | P | 32 09 | | |
| 23 | PP | 32 21 | | |
| 23 | S | 34 40 | 8.5 | 17 |
| 23 | L | 35.2 | 4.5 | 11 |
| 23 | ScS | 41 12 | | |
| 30 | P 1S | 01 55 42 57 26 | 32 | 10 |
| 31 | eP 1PP S L ScS | 05 33 51 34 02 36 11 50 46 12 | 5 6 13 | 8 10 20 1 |
| 31 | S | 07 19 08 | 1.1 | 8 |
| 31 | P eS L | 19 25 49 28 24 29.0 | | |
| 9 | eP S | 02 03 56 04 46 | | |
| 12 | S | 08 50 36 | | |
| 15 | P S | 23 41 30 43 26 | 1.5 | 8 |
| 16 | eP? PP S | 01 38 35 40 34 46 00 | 7 10 | 8 13 |
| 17 | 1P | 02 11 49 | | |
| 28 | ePP S SKS | 21 58 00 22 04 22 05 00 | 1.3 | 9 |
| 30 | S SKS eL | 01 14 55 15 21 20 | 2.2 | 9 |
| 1 | 1P | 10 05 29 | | |
| 3 | eP eS (PcP) | 10 56 47 58 29 11 03 00 | | |
| 8 | S | 10 41 30 | 1.9 | 7 |
| 17 | 1P S | 22 42 05 43 30 | | |
| 19 | S (PS) | 01 26 20 27 57 | | |
| 20 | 1P eS | 11 41 09 43 53 | | |
| 22 | S | 02 33 26 | 1 | 6 |
| 22 | S SKS eL | 14 17 04 29 29.0 | 1.2 | 8 |

| Date | Phase | h m s | An | Tn |
|--------|-------|----------|-----|----|
| MAY 23 | P | 03 35 02 | | |
| | iS | 36 19 | | |
| | ScP | 44 35 | 9.5 | 7 |
| | ScS | 47 58 | | |
| 23 | S | 03 42 58 | | |
| | SS | 43 21 | | |
| 29 | e(s) | 11 01 45 | | |
| 30 | S | 07 11 00 | | |
| | L | 17.0 | 1.2 | 18 |
| 31 | e(P) | 06 05 54 | | |
| | S | 07 20 | | |
| | eL | 08 | 2 | 6 |
| | | | 8 | 15 |
| JUN 1 | P | 00 01 01 | | |
| | eS | 02 40 | 4 | 7 |
| 1 | eP | 21 10 12 | | |
| | S | 11 57 | | |
| 1 | iP | 21 16 01 | 3.7 | 6 |
| | S | 17 36 | 6 | 7 |
| 4 | L | 12 00 | 2.7 | 15 |
| 5 | S | 10 17 16 | | |
| | SS | 22 | | |
| 5 | eP | 12 06 24 | | |
| | S | 07 13 | 4 | 7 |
| 5 | P | 14 09 01 | | |
| | (s) | 43 | | |
| 6 | e(s) | 05 39 16 | | |
| | e | 40 00 | | |
| 7 | e(P) | 15 36 05 | | |
| | e | 24 | | |
| 7 | eP | 22 34 19 | | |
| | L | 36.5 | 4 | 17 |
| 7 | eP | 22 39 40 | | |
| | S | 41 22 | | |
| 7 | eP | 01 04 09 | | |
| | iS | 05 46 | 2.5 | 6 |
| | L | 06 | 5.5 | 11 |
| 9 | S | 15 54 33 | | |
| 10 | eP | 04 24 05 | | |
| | PP | 25 26 | 0.9 | 8 |
| | S | 31 10 | 2 | 12 |
| | Lq | 37 | 3 | 17 |
| 10 | eP | 06 47 12 | | |
| | (PcP) | 49 14 | | |
| | eS | 54 42 | | |
| 12 | S | 04 11 30 | | |

| Date | Phase | h m s | An | Tn |
|------|-------|----------|-----|----|
| | P | 22 48 54 | | |
| | eS | 50 39 | | |
| | L | 51 | 5 | 18 |
| | eS | 17 47 45 | | |
| | P | 15 03 03 | | |
| | S | 04 09 | | |
| | P | 22 06 43 | | |
| | ePP | 09 06 | 2.5 | 12 |
| | S | 15 34 | 8.5 | 18 |
| | L | 27 | | |
| | S | 04 08 34 | | |
| | S | 05 43 11 | | |
| | eS | 54 | 1.4 | 20 |
| | Lq | | | |
| | eP | 07 56 36 | | |
| | eS? | 57 25 | | |
| | e(s) | 36 | 0.9 | 7 |
| | P | 00 05 28 | | |
| | L | 14 35 | 3 | 17 |
| | P | 19 11 42 | | |
| | L | 15.4 | 3.5 | 15 |
| | L | 06 56.3 | 2.5 | 22 |
| | S | 11 03 53 | | |
| | L | 04.5 | | |
| | eS | 21 58 15 | | |
| | eP | 07 15 26 | | |
| | S | 18 10 | | |
| | L | 19.3 | 2.5 | 15 |
| | P | 20 17 04 | | |
| | S | 19 53 | | |
| | P | 20 19 00 | | |
| | P | 05 48 45 | | |
| | L | 51.9 | 7 | 20 |
| | P | 14 26 16 | | |
| | L | 29.7 | 2.2 | 15 |
| | eP | 15 07 32 | | |
| | P | 01 47 39 | | |
| | eS | 50 36 | | |
| | eFXP | 10 40 04 | | |
| | P | 23 55 21 | | |
| | S | 56 14 | 12 | 7 |
| | P | 14 38 17 | | |
| | eP | 39 50 | 2 | 20 |

| Date | Phase | h m s | An | Tn |
|--------|-------------------|-----------------------------------|------------|----------|
| AUG 10 | eS | 02 40 07 | | |
| 13 | P S L | 21 53 24 54 40 56.4 | 2 5 | 6 20 |
| 19 | L | 04 31 | 1.9 | 16 |
| 22 | eP (PPP) S | 19 57 17 56 20 01 00 | 10 | 10 |
| 30 | eS | 13 53 42 | | |
| SEP 8 | P L | 00 50 06 52.8 | 3 | 22 |
| 8 | P | 19 52 09 | | |
| 10 | S | 01 14 47 | 0.8 | 6 |
| 10 | iP | 19 15 00 n | | |
| 12 | eP eS L | 03 14 00 15 52 16.1 | 3.5 | 18 |
| 15 | iP | 00 50 18 n | | |
| 15 | (P) i | 11 01 30 49 n | 1 3.5 | 8 12 |
| 16 | P S | 20 08 28 10 54 | 0.9 1.6 | 6 11 |
| 17 | iP | 19 23 38 n | | |
| 17 | P S | 22 32 04 35 11 | 2.2 | 12 |
| 22 | eP | 02 56 54 | | |
| 22 | iP | 19 22 34 n | 8 | 15 |
| OCT 2 | iP | 05 49 06 n | | |
| 12 | L | 12 | 9 | 20 |
| 13 | L | 05 40 | 76 | 22 |
| 14 | P S | 23 00(45) 01 05 | | |
| 15 | S | 13 58(40) | | |
| 18 | M | 00 10 | 1.5 | 19 |
| 20 | P S SS L | 01 04(29) 13 24 18 00 24 | 5 24 | 20 21 |
| 23 | (S) | 08 01 59 | | |

| Date | Phase | h m s | An | Tn |
|---------------------|---------------------------------------|--|--------------------------------|-----------------------------|
| 12 | P S | 12 35(58) 37 17 | | |
| 07 | eP eS | 07 57 32 58 07 | | |
| 03 | iP | 19 34 | 10.5 | 6 |
| 21 | P S | 01 01 11 02 24 | | |
| 01 | P S | 17 02 19 16 | 50 | 10 |
| 02 | P S L | 21 27 27 23 33.8 | 2.8 | 22 |
| 06 | P S | 06 31 58 33 59 | | |
| 21 | PP SKS SKKS SP (PS) SS | 33 32 38 25 39 11 41 36 42 36 47 17 | 1 2 2 3 4.7 3.7 | 6 6 9 8 10 8 |
| 18 | L | 18 00 | 1.5 | 18 |
| 11 | P S | 11 30 54 32 13 | | |
| 17 | eP eS L | 17 21(00) 22 18 22.5 | 3.8 | 17 |
| 04 | eP ePP eS | 04 38 35 49 40 38 | | |
| 14 | eP | 14 05 36 | | |
| (PcP) | | 23 46 18 | 2 | 9 |
| eS P'P' P'PKS | | 21 27 03 45 45 49 27 | | |
| iP eS | | 22 45 20 n 48 06 | | |
| eP? eS | | 12 01 41 03 19 | | |
| iP S | | 22 50 58 s 51 42 | | |
| P S | | 18 56 46 57 46 | | |
| P i (PP) | | 21 18(22) (44) 19(15) n | 1 | 6 |

| Date | Phase | h m s | An | Tn |
|-------|----------|--------------------|-----|----|
| DEC 9 | 1P S | 10 55 05 56 11 | | |
| 11 | (S) | 00 51(29) | 3.5 | 11 |
| 11 | P | 02 32 28 | | |
| 28 | P S | 09 07(00) 10 00 | | |
| 31 | eP eS | 19 18(48) 20 40 | | |

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Trace amplitudes are given in millimetres, measured on the screen of a camera enlarging the original 35 mm film record by a factor of 8. The sign indicates that the deflection is too large and faint for accurate measurement.

| Date | Phase | h m s | Az |
|-------|------------------|-----------------------------|----------|
| FEB 4 | eP e | 01 24 23½ 25 42 | |
| 4 | 1P S | 12 45 58 46 17 | d |
| 5 | eP S | 14 03 57 04 28 | |
| 5 | eP S | 19 30 15½ 53 | |
| 7 | eP | 17 08 59½ | |
| 8 | eP | 02 29 26 | d 13 |
| 11 | eP e | 04 36 44 37 42 | |
| 11 | eP | 10 57 49 | |
| 11 | eP | 21 11 00 | |
| 15 | eP eS | 00 49 53 50 41 | 10 25 |
| 15 | eP eS | 09 23 20 24 10 | 9 8 |
| 16 | e? | 08 35 57 | |
| 17 | eP | 15 55 22 | |
| 17 | eP? e(P) e | 17 12 42 47 14 09 | |
| 18 | eP | 14 15 12 | |
| 18 | e 1P | 14 51 51 58 | u 18 |
| | eP | 08 16 07 36 | |
| | 1P | 12 23 59 | d |
| | 1P 1S ePcP | 16 29 49 31 30 35 14 | d |
| | 1P S e | 02 28 46½ 29 08 31 03 | |
| | 1P | 01 41 20 | |
| | 1P S | 06 44 32½ 45 14 | d |
| | eP e(P) | 13 08 58 09 09 | |
| | eP | 19 23 52 | |
| | 1P | 02 02 53 | d |
| | eP? e? e? | 14 46 25 47 19 47 | |
| | e | 16 10 53 | |
| | 1P | 17 06 12 | |
| | eP eS | 13 52 40 54 22 | |
| | eP | 16 07 49 | |
| | eP | 17 05 20 | |
| | eP | 08 49 36 | |

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az |
|--------|------------------|----|----|-------------------|-------------------|--------|-------|----|----|-----------|-----|
| FEB 21 | eP eS | 13 | 18 | 19 19 47 | | MAR 27 | 1P | 13 | 01 | 19 | |
| 21 | eP eS | 14 | 30 | 41 32 20 | | 27 | 1P | 13 | 54 | 00 | |
| 22 | eP eS | 08 | 01 | 30 03 33 | | 27 | 1P | 19 | 11 | 38 | |
| 22 | 1P | 11 | 06 | 06 | | 27 | 1P | 21 | 26 | 40 | |
| 24 | 1P eS | 06 | 38 | 24 39 57 | 7 4 | 27 | 1P | 21 | 39 | 39 | |
| 24 | eP e | 17 | 36 | 02 38 44 | 7 2½ | 28 | 1P | 11 | 12 | 47½ | |
| 25 | 1P | 20 | 21 | 28 | | 28 | 1P | 12 | 34 | 28½ 38 | |
| MAR 3 | eP e(S) | 16 | 40 | 20 51 | | 28 | 1P | 15 | 04 | 03 | |
| 8 | e(P) eS | 14 | 01 | 21 02 55 | | 28 | 1P | 22 | 50 | 25 | |
| 9 | eP i eS | 02 | 49 | 01 03 (30) | d 1½ 12 25+ | 28 | 1P | 23 | 24 | 15 | |
| 9 | eP e | 02 | 06 | 45 09 22 | 5 4 | 28 | 1P | 23 | 29 | 26 | |
| 9 | 1P eS | 22 | 45 | 43 47 05 | 5 11 | 28 | 1(P) | 23 | 37 | 34 | |
| 10 | 1P eS | 01 | 28 | 05 29 16 | d 20 7 | 29 | 1P | 00 | 47 | 05 | |
| 10 | eP | 09 | 43 | 05½ | 2 | 29 | 1P | 01 | 40 | 30 | |
| 18 | eP | 04 | 01 | 21 | 10 | 29 | 1P | 01 | 52 | 35 | |
| 18 | eP eS | 04 | 26 | 52 27 23 | | 29 | 1P | 21 | 16 | 56 | |
| 18 | e(S) | 13 | 20 | 58 | | 30 | 1P | 00 | 21 | 13 | 23 |
| 20 | 1P | 04 | 45 | 24½ | u 13 | 30 | 1P | 11 | 21 | 40 | 24 |
| 20 | eP? (P) eS | 04 | 47 | 04 10 49 45 | 4 17 11 | 30 | 1P | 11 | 37 | 47 | >25 |
| 26 | 1P | 09 | 48 | 32 | | 30 | 1P | 14 | 32 | 26 | 16 |
| 26 | 1P | 11 | 45 | 47 | | 30 | 1P | 14 | 38 | 34 | 21 |
| 26 | 1P | 12 | 51 | 53 | | 31 | 1P | 04 | 04 | 32 | 20 |
| 26 | 1P | 13 | 25 | 14 | | 31 | 1P | 05 | 31 | 01 | |
| 27 | 1P | 05 | 54 | 12 | | 31 | 1P | 06 | 28 | 38 | 20 |
| 27 | 1P | 11 | 47 | 19 | | 31 | 1P | 08 | 12 | 56 | |
| | | | | | | 31 | 1P | 09 | 08 | 35 | |
| | | | | | | 31 | 1P | 09 | 52 | 56 | 11 |
| | | | | | | 31 | 1P | 10 | 45 | 10 | 27 |
| | | | | | | 31 | 1P | 14 | 20 | 18 | 15 |
| | | | | | | 31 | 1P | 18 | 55 | 15 | |
| | | | | | | 31 | 1P | 19 | 23 | 08½ | |
| | | | | | | 31 | 1(P) | 19 | 28 | 38 | |
| | | | | | | 31 | eP | 23 | 29 | 55 | 15 |

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az |
|-------|-----------------|----|----|-------------------|----------------|-------|-----------------|----|----|-------------------|----------------|
| APR 6 | eP S | 15 | 09 | 59 10 09 | d 11 25+ | APR 6 | 1P | 23 | 52 | 24 | |
| 6 | 1P e e | 18 | 03 | 11½ 41 52 | d 5 6 22 | 6 | 1P | 07 | 25 | 28 | 25+ |
| 7 | 1P | 03 | 58 | 40 | | 6 | eP? 1P | 08 | 30 | 22 53 | 3 |
| 8 | 1P e | 22 | 39 | 04 40 21 | u 5.5 2 | 7 | 1P | 11 | 17 | 10 | |
| 9 | eP (S) | 02 | 04 | 57 06 59 | 3 3 | 7 | eP | 13 | 02 | 59 | 10 |
| 10 | 1P (S) | 01 | 53 | 43 54 05 | d 18 | 8 | 1P | 20 | 24 | 57 | 16 |
| 10 | 1P 1S | 09 | 40 | 12 26 | 8 10 | 9 | 1P | 03 | 33 | 36 | 8 |
| 11 | eP S | 18 | 24 | 53 25 36 | d 10.5 3.5 | 9 | eP eP 1P | 04 | 03 | 34 51 04 29 | 2 9 |
| 12 | eP eS | 20 | 51 | 19 53 42 | | 10 | 1P | 04 | 43 | 45 | |
| 13 | eP eS | 03 | 22 | 08 24 44 | 1.5 | 10 | 1P | 05 | 05 | 22½ | 25+ |
| 13 | eP e e(S) | 22 | 08 | 49 09 19 37 | 1.2 3 12 | 10 | 1P | 05 | 21 | 18 39 | 7 25+ |
| 14 | eP 1P | 05 | 33 | 04½ 05½ | d 1 14 | 11 | 1P | 11 | 25 | 45 | |
| 17 | eP eS | 02 | 13 | 45 15 38 | 3.5 1.5 | 11 | eP 1P (S) | 19 | 47 | 16 30 41 | 1 7 14 |
| 18 | eP eS | 01 | 53 | 56 55 42 | 2.0 2.5 | 11 | 1P (S) | 22 | 27 | 17 36 | 6 |
| 18 | e | 06 | 45 | 44 47 19 | 1 2 | 11 | eP? 1P | 08 | 21 | 59 22 04 | 3 6 |
| 19 | 1P | 22 | 44 | 30 | d | 11 | 1P | 11 | 22 | 02 | d |
| 22 | 1P | 07 | 25 | 47 | | 11 | 1P | 16 | 52 | 31 | 15 |
| 24 | eP eS | 03 | 57 | 50 59 59 | 6 5 | 11 | eP S | 18 | 55 | 47 56 56 | 2 4 |
| 24 | 1P | 20 | 48 | 31 | | 11 | 1P (S) | 18 | 26 | 01 12 | d 16 |
| 24 | eP eS | 21 | 44 | 53 46 31 | 2 4 | 11 | 1P | 22 | 01 | 20 | d |
| 25 | eP eS | 17 | 52 | 04 53 39 | 1.5 4.5 | 11 | 1P (S) | 23 | 28 | 06 17 | d 11 |
| 26 | eP eS | 08 | 20 | 32 23 01 | 1.5 5 | 11 | 1P | 02 | 26 | 29½ | |
| MAY 1 | eP | 10 | 06 | 57 | 9 | 11 | 1P | 10 | 50 | 23 | 5 |
| | | | | | | 11 | 1P | 14 | 45 | 06½ | |
| | | | | | | 11 | 1P | 05 | 34 | 30 33½ 46 | u 4 6 24 |
| | | | | | | 11 | eS | 07 | 07 | 50 | 4 |

NEW ZEALAND SEISMOLOGICAL REPORT 1963

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az |
|-------|--------------------|----|--------|-------------------------------|-------------------------|--------|--------------|----|----|----------------|----------------|
| MAY 2 | 1P eS | 09 | 21 | 11 56 | 9 7 | MAY 29 | 1P eS | 01 | 04 | 36 06 39 | u 24 3 |
| 3 | 1P | 22 | 52 | 10 | 7 | 29 | eP eS | 08 | 30 | 26 32 27 | 14 2 |
| 9 | 1P S | 04 | 32 | 34 33 25 | u 22 14 | 29 | eP eS | 11 | 01 | 42 03 45 | 2 4 |
| 9 | 1P e e(s) | 07 | 26 | 32 49 27 00 | u 9 7 16 | 29 | eP eS | 13 | 24 | 35 25 49 | 3 24 |
| 10 | eP | 04 | 32 | 33 | 2 | 30 | 1P (s) | 05 | 36 | 364 49 | u |
| 10 | eP? 1(P) S | 10 | 31 | 37 46 33 19 | u 1.2 4 2 | 31 | 1P (s) | 14 | 08 | 25 40 | 20 40 |
| 11 | eP eS | 04 | 47 | 28 49 35 | 2 3 | JUN 2 | 1P (s) | 21 | 08 | 08 51 | 9 26 |
| 12 | e 1P S | 15 | 47 | 58 48 00 09 | 2 7 13 | 3 | 1P | 18 | 49 | 04 | |
| 12 | 1P | 21 | 49 | 22 | 18 | 4 | 1P | 08 | 01 | 23 | u |
| 13 | 1P S | 07 | 12(02) | 13 02 | u 4 3 1/2 | 4 | 1P | 09 | 37 | 14 | |
| 14 | 1P | 17 | 56 | 27 | | 4 | 1P | 11 | 54 | 28 | u |
| 16 | 1P (s) | 09 | 01 | 41 1/2 51 | | 4 | 1P | 13 | 06 | 16 | d |
| 17 | e 1P (s) | 07 | 34 | 08 09 1/2 40 | 11 30 | 4 | 1P | 13 | 38 | 40 | u |
| 17 | eP eS e e | 22 | 41 | 18 42 01 45 36 46 16 | 26 40+ 4 1/2 9 | 4 | 1P | 19 | 20 | 01 | u |
| 20 | 1P | 11 | 38 | 28 | u | 5 | 1P | 05 | 07 | 21 | d |
| 20 | 1P | 19 | 17 | 13 | | 5 | 1P | 14 | 47 | 51 | d 23 |
| 21 | eP | 18 | 10 | 23 1/2 | | 6 | eP S | 23 | 44 | 42 45 51 | 11 5 |
| 22 | eP eS | 07 | 52 | 27 44 | 5 11 | 9 | eP | 01 | 32 | 33 | |
| 23 | eP S | 21 | 36 | 59.5 37 18 | 5 18 | 9 | eP S | 06 | 17 | 14 33 | 11 44 |
| 24 | 1P S | 06 | 47 | 26 34 | d 6 23 | 9 | eP S | 18 | 07 | 23 44 | 6 36 |
| 24 | 1P S | 20 | 54 | 08 55 31 | d 5 1.6 | 9 | eP eS | 18 | 53 | 23 | 30 |
| 26 | eP e | 00 | 02 | 14 03 59 | 2 3 | 9 | eP S | 19 | 28 | 09 27 | |
| | | | | | | 10 | 1P | 19 | 17 | 31 39 51 | u 8 |
| | | | | | | 10 | eP eS | 19 | 33 | 41 34 01 | 6 |
| | | | | | | 11 | P 1 eS | 07 | 25 | 20 28 40 | 3.6 9 17 |

NEW ZEALAND SEISMOLOGICAL REPORT 1963

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az |
|--------|----------|----|----|-------------|------------|--------|---------------|----|----|------------------------|------------------------|
| JUN 11 | eP eS | 17 | 14 | 54 16 12 | 1.7 4.0 | JUN 23 | 1P | 03 | 49 | 46 1/2 | d >> |
| 11 | P | 17 | 15 | 18 | 4.0 | 24 | P S | 13 | 18 | 47 19 38 | 9 22 |
| 12 | eS | 04 | 13 | 43 | 3.1 | 24 | eP eS | 14 | 50 | 58 51 27 | 7 12 |
| 13 | 1P eS | 16 | 13 | 08 22 | d 8 22+ | 25 | eS | 16 | 08 | 08 | 3.0 |
| 14 | eP eS | 14 | 50 | 53 51 27 | 2.6 5 | 26 | S | 16 | 54 | 26 | 5 |
| 15 | eS | 05 | 07 | 25 | 2.3 | 27 | eS | 00 | 10 | 31 | 2.4 |
| 15 | 1P eS | 15 | 08 | 50 09 11 | d 20 15 | 27 | 1P S | 04 | 08 | 35 09 09 | u 5 1/2 5 1/2 |
| 16 | eS | 03 | 38 | 42 | 2.2 | 27 | eP S | 07 | 24 | 29 25 27 | 1.6 4.3 |
| 16 | eP eS | 16 | 31 | 01 33 | 3.0 5.0 | 27 | 1P | 12 | 21 | 41 | d >> |
| 17 | eP S | 17 | 39 | 28 41 09 | 1.7 2.8 | 28 | eP 1S | 04 | 39 | 13 26 1/2 37 1/2 | 3.4 4 1/2 10 1/2 |
| 17 | eP eS | 20 | 10 | 48 12 31 | 3.3 5 | 28 | eP? eS | 08 | 57 | 42 58 30 | 2.5 14 |
| 19 | eP S | 02 | 17 | 20 18 34 | 3.2 4.8 | 28 | 1P S | 14 | 39 | 02 40 37 | d 21 88+ |
| 20 | P S | 18 | 59 | 11 31 | 11 25 | 30 | eP S | 23 | 10 | 48 11 10 | 10 83 |
| 20 | 1P eS | 22 | 46 | 47 47 14 | d >> >> | JUL 1 | P | 06 | 32 | 40 | 11 |
| 21 | 1P | 00 | 08 | 44 1/2 | d >> | 3 | 1P | 19 | 08 | 07 | d 12 |
| 21 | eP eS | 00 | 14 | 46 15 11 | 10 16 | 4 | 1P | 10 | 59 | 01 1/2 | d >> |
| 21 | 1P | 05 | 52 | 22 | u 16 | 4 | eS | 14 | 19 | 35 | 2.6 |
| 21 | eP eS | 17 | 43 | 05 38 | 10 37 | 6 | eP e eS | 05 | 21 | 31 38 48 | 5 11 1/2 >> |
| 21 | eP eS | 18 | 03 | 20 45 | 5 16 | 8 | eS | 11 | 44 | 03 | 2.2 |
| 21 | 1P 1S | 21 | 19 | 30 20 10 | d 17 10 | 10 | 1P | 04 | 29 | 42 1/2 | d >> |
| 21 | 1P | 21 | 42 | 15 1/2 | d >> | 10 | 1P 1 | 16 | 49 | 00 07 | u >> >> |
| 21 | 1P | 21 | 48 | 30 1/2 | d >> | 10 | 1P eS | 23 | 24 | 25 36 | 10 40+ |
| 22 | P eS | 00 | 24 | 33 55 | 20 >> | 12 | P e(s) | 08 | 39 | 28 38 | 11 |
| 22 | 1P | 21 | 28 | 15 | d >> | 14 | P eS | 00 | 02 | 45 58 | u >> >> |
| 23 | 1P | 00 | 08 | 34 | u 12 | | | | | | |

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az | |
|--------|-----------------|----|----|-----------------|----------|----------------|-----------------|--------------------|----|----------------|----------------------|----------------|
| JUL 14 | 1P 1 | 03 | 59 | 30 31 | u d | 2.8 >> | JUL 30 | eP eS | 02 | 19 | 01 15 | Az 12 24 |
| 14 | P | 14 | 28 | 40 | >> | 30 | 1P S | 02 | 57 | 49 58 | u >> | |
| 14 | eS | 17 | 11 | 20 | 2.9 | 30 | eP 1 eS | 04 | 27 | 46 48 28 | 2.8 27 >> | |
| 15 | eS | 04 | 26 | 00 | 3.7 | 30 | 1P S | 05 | 46 | 10 | u >> | |
| 16 | 1P 1S | 01 | 28 | 00 16½ | 18 20 | 30 | P S | 06 | 08 | 06½ 22 | 11 27 | |
| 16 | P | 16 | 00 | 51 | 30 | 30 | 1P 1S | 06 | 11 | 29½ 46 | d 11 28 | |
| 16 | 1P | 19 | 08 | 49 | u | >> | 30 | P 1S | 06 | 47 | 49 48 | 5 21 |
| 18 | 1P 1S | 07 | 48 | 40½ 51 | d | 6 25 | 30 | eP 1 eS | 07 | 55 | 58 59 56 | u 2.0 >> |
| 22 | eP | 00 | 36 | 37 | 1.8 | 30 | 1P eS | 07 | 59 | 06 21 | u 25 | |
| 22 | P 1 | 04 | 07 | 19 28½ | 7 20 | 30 | eP 1 eS | 07 | 55 | 58 59 56 | u 2.0 >> | |
| 22 | 1P e(S) | 04 | 10 | 41 53 | d | 36 >> | 30 | 1P eS | 07 | 59 | 06 21 | u 25 |
| 22 | 1P 1S | 08 | 29 | 18 24 29 | d | 10 12 29 | 30 | eP e 1 eS | 08 | 51 | 26 32 41 45 | 3.5 8 17 |
| 24 | eP eS | 09 | 23 | 51 24 16 | 5½ 8 | 30 | eP 1 e(S) | 09 | 13 | 30 40 46 | 5½ 11 22 | |
| 24 | 1P eS | 09 | 27 | 18 47 | d | 15 24 | 30 | 1P 1S | 09 | 31 | 13½ 30 | 17 27+ |
| 25 | 1P 1S | 19 | 31 | 33 54½ | u | 11½ 23 | 30 | P eS | 10 | 37 | 15 28 | 11 25 |
| 29 | 1P 1 e(S) | 04 | 49 | 07½ 11 18 | d | 6 22 >> | 30 | 1P S | 14 | 23 | 29 | u >> |
| 29 | 1P S | 19 | 08 | 53 09 01 | d | 11 >> | 30 | 1P S | 14 | 49 | 47 50 01 | 12½ 49 |
| 29 | eP | 20 | 14 | 26 | >> | 30 | 1P | 15 | 04 | 52½ | u >> | |
| 29 | e(P) | 20 | 25 | 58 | >> | 30 | P e(S) | 00 | 40 | 14 28 | 10½ 24 | |
| 29 | eP eS e | 20 | 41 | 52 42 43 | 10 18 | 30 | 1P | 01 | 44 | 36 | >> | |
| 29 | eP S | 21 | 00 | 35 51 | 5 14 | 31 | eP eS 1 | 07 | 23 | 39 58 25 | 5½ 17½ 11½ | |
| 29 | 1P | 23 | 19 | 03 | u | >> | 31 | eS | 16 | 22 | 54 | 2.7 |
| 30 | P 1S | 00 | 52 | 46 53 08 | 7 18 | AUG 1 | 1P | 15 | 21 | 11 | u >> | |
| 30 | eP eS | 02 | 06 | 00 17 | 8 22 | 1 | eP eS | 17 | 00 | 04 01 01 | 1.2 11 | |

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az | | |
|-------|---------------|----|----|------------------|----------------|-----------|----------------------|----------|----|---|------------------------|------------|-----------|
| AUG 1 | eP S | 20 | 54 | 13 34 | 5 21 | AUG 14 | S | 20 | 46 | 24 | 3.6 | | |
| 1 | eP eS | 21 | 49 | 09 59 | 2.0 5½ | 15 | eP | 04 | 58 | 30 | 12 | | |
| 3 | eP | 03 | 53 | 59 | 2.0 | 15 | P S | 14 | 59 | 07 53 | 6 14 | | |
| 3 | 1P eS | 07 | 01 | 04½ 20 | d | 43 >> | 15 | eP | 22 | 31 | 53 | 3.0 | |
| 3 | 1P | 20 | 26 | 28 | u | >> | 16 | eP S | 13 | 00 | 34 50 | 9 19 | |
| 4 | eP e eS | 15 | 20 | 41 56 21 | 7 13 11 | 16 | P eS | 15 | 08 | 22 42 | 8 13 | | |
| 4 | eP eS | 23 | 56 | 49 58 57 | 3.8 4.2 | 17 | eP eS | 05 | 35 | 54 37 40 | 1.7 2.5 | | |
| 5 | 1P eS | 07 | 42 | 10 32 | u | >> >> | 17 | eP eS | 09 | 35 | 58 36 48 | 4.6 9 | |
| 7 | eP eS | 11 | 17 | 23 19 00 | 2.7 3.2 | 18 | 1P eS | 10 | 23 | 51 24 09 | d | 14 21 | |
| 7 | eS | 11 | 20 | 47 | 2.7 | 18 | eP eS | 20 | 20 | 07 21 25 | 3.1 4.5 | | |
| 7 | eS | 15 | 42 | 28 | 1.5 | 18 | eP eS | 20 | 28 | 20 29 11 | 19 29 | | |
| 8 | eP S | 13 | 30 | 53 31 07 | 6 19 | 18 | eP | 21 | 57 | 40 | 7 | | |
| 8 | eP S | 14 | 03 | 09 24 | 9 26 | 19 | eP eS | 04 | 24 | 41 25 20 | 19 36 | | |
| 9 | 1P eS | 10 | 56 | 46 57 01 | d | >> >> | 20 | eS | 00 | 30 | 43 | 2.2 | |
| 9 | eP S | 21 | 40 | 45 41 09 | 9 25 | 20 | P eS | 09 | 20 | 58.7 21 27 | 11 28 | | |
| 10 | eP eS | 03 | 35 | 20 55 | 9 25 | 20 | P eS | 19 | 44 | 14 29 | >> >> | | |
| 10 | 1P eS | 19 | 58 | 24½ 34 | d | 12 31 | 21 | eS | 23 | 02 | 53 | 2.1 | |
| 11 | P | 12 | 45 | 12 | >> | 22 | 1P | 19 | 58 | 30 | d | 3.5 | |
| 11 | eP eS | 20 | 02 | 01 22 | 5 16 | 24 | 1P | 03 | 18 | 34 | >> | | |
| 11 | eP eS 1 | 23 | 48 | 49 49 50 | 12 18 27 | 25 | P eS e eScS | 12 | 20 | 41½ 22 41 27 17 32 06 | 22 94+ 12 1.7 | | |
| 12 | eP eS | 21 | 00 | 49 02 08 | 1.5 1.9 | 26 | 1P eS | 02 | 29 | 39 30 54 | u | 14½ 2.7 | |
| 13 | 1P eS | 06 | 31 | 22.8 33 04 | d | 3.4 5½ | 26 | 1P S | 02 | 55 | 28 55 | u | 25 2.1 |
| 13 | eS | 21 | 56 | 58 | 2.2 | 26 | eP eS | 03 | 02 | 11 03 58 | 1.7 2.0 | | |
| | | | | | | 30 | eP eS | 13 | 53 | 20 54 28 | 2.5 4.8 | | |

NEW ZEALAND SEISMOLOGICAL REPORT 1963

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az | |
|--------|-------|----|----|------|-------|--------|-------|----|----|-----|------|------|
| AUG 31 | P | 21 | 28 | 04 | 3.9 | SEP 13 | e(P) | 21 | 10 | 45 | 3.1 | |
| | eS | | 29 | 37 | 2.8 | | e | | 11 | 25 | 3.0 | |
| SEP 2 | eS | 19 | 06 | 49 | 3.5 | | e(S) | | 12 | 36 | 3.0 | |
| 4 | 1P | 22 | 34 | 05.4 | d >> | 13 | eP | 23 | 34 | 09 | 5 | |
| 6 | 1P | 10 | 18 | 12 | d 25 | | eS | | 14 | | 18 | |
| | eS | | 19 | 23 | 11½ | | | | 34 | | 28 | |
| 7 | eP | 02 | 31 | 32 | 3.1 | 14 | eP | 00 | 38 | 42 | 11 | |
| | eS | | 33 | 01 | 4.1 | | eS | | 39 | 13 | 17 | |
| 7 | P | 08 | 29 | 09 | 2.6 | 14 | eP | 03 | 52 | 51 | 54 | |
| | eS | | 31 | 09 | 2.3 | | eS | | 53 | 04 | >> | |
| 7 | P | 15 | 18 | 47 | 5 | 15 | eP | 00 | 52 | 22 | 2.8 | |
| | eS | | 20 | 19 | 2.8 | | eP | 02 | 02 | 44 | 7½ | |
| 7 | 1P | 20 | 01 | 46½ | u 12 | | eS | 03 | 10 | | 13 | |
| | 1S | | 02 | 16 | 51 | | eP | 08 | 31 | 41 | 2.7 | |
| 8 | 1P | 00 | 47 | 53 | u 25± | | 1 | | 32 | 07 | 11½ | |
| | eS | | 48 | 25 | 75+ | | S | | | | 12 | |
| 8 | eS | 05 | 36 | 49 | 3.6 | 16 | P | 07 | 27 | 50½ | 5½ | |
| 8 | eS | 07 | 41 | 36 | 2.8 | | eS | | 28 | 07 | 51 | |
| 8 | eP | 09 | 16 | 25 | 2.2 | 16 | eP | 15 | 09 | 16 | 5 | |
| | e | | 41 | | 3.5 | | S | | 38 | | 21 | |
| | S | | 17 | 03 | 17 | 17 | | | | | | |
| 8 | P | 09 | 21 | 14 | 10 | 17 | eP | 10 | 36 | 50 | 1.8 | |
| | eS | | | 34 | 35 | | S | | 37 | 46 | 4.0 | |
| 8 | 1P | 13 | 06 | 43½ | 13 | 17 | eP | 19 | 25 | 31 | 1.7 | |
| | eS | | | 55 | 55+ | | eS | 06 | 24 | 07 | 2.6 | |
| 8 | eP | 19 | 31 | 35 | 4.3 | | eS | | 49 | | 5 | |
| | eS | | 32 | 57 | 3.5 | | eP | 06 | 48 | 34 | 3.7 | |
| 8 | 1P | 19 | 52 | 05 | d 57+ | | eS | | 49 | 15 | 8 | |
| | S | | 53 | 23 | 50 | | 1P | 18 | 08 | 45 | d 35 | |
| 8 | eP | 23 | 27 | 03 | 2.4 | | eS | | 58 | | >> | |
| | eS | | | 55 | 4.4 | | 23 | 1P | 01 | 44 | u | |
| 9 | P | 00 | 20 | 51 | 4.2 | | eS | | 45 | 09 | | |
| | eS | | 22 | 15 | 4.3 | | 26 | eP | 06 | 43 | 28 | 10 |
| 9 | P | 14 | 34 | 15 | 4.8 | | 28 | eS | 03 | 04 | 59 | 3.2 |
| | eS | | 36 | 02 | 4.0 | | 28 | P | 06 | 59 | 20 | 26 |
| 9 | P | 18 | 00 | 13 | 2.7 | | 29 | 1P | 10 | 07 | 02.2 | d >> |
| | eS | | 01 | 23 | 3.9 | | | eS | | 17 | | >> |
| 9 | eP | 21 | 11 | 44 | 5½ | | 29 | eP | 13 | 37 | 26 | 8 |
| | eS | | 12 | 14 | 21 | | | eS | | 51 | | 14 |
| 11 | eP | 22 | 21 | 24 | 6 | OCT 2 | eP | 05 | 49 | 12 | 5 | |
| 13 | 1P | 19 | 13 | 47 | u 5 | | eS | | 50 | 50 | 7 | |
| | eS | | 14 | 19 | 6 | | 2 | eS | 07 | 01 | 33 | 1.7 |
| | | | | | | | 3 | eP | 04 | 58 | 33 | 13 |
| | | | | | | | | eS | | 47 | | 47 |

NEW ZEALAND ISLAND 1963

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az | |
|--------|-------|----|----|------|------|------|-------|----|------|----|-------|----|
| OCT 29 | eP | 17 | 04 | 31 | 5½ | 3 | 1P | 07 | 52 | 45 | d 11 | |
| | S | | 05 | 09 | 5½ | | eS | | 53 | 04 | 20 | |
| 29 | eP | 20 | 23 | 01 | 25 | 3 | eP | 02 | 49 | 40 | 3.4 | |
| | S | | 42 | | 26 | | eS | | 51 | 22 | 8 | |
| 29 | eP | 22 | 23 | 56 | 2.4 | 7 | eP | 13 | 16 | 00 | 17 | |
| | eS | | 24 | 56 | 4.2 | | eS | | 17 | 15 | 36+ | |
| 30 | eP | 05 | 32 | 14 | 11 | 9 | eS | 05 | 18 | 00 | 5 | |
| | 1S | | 57 | | 16 | | | | | | | |
| 31 | eP | 03 | 19 | 33 | 9 | 11 | eP | 00 | 02 | 56 | 2.0 | |
| | eS | | 20 | 58 | 35 | | eS | | 04 | 11 | 3.2 | |
| 31 | eP | 04 | 27 | 16 | 4.0 | 11 | 1P | 18 | 40 | 19 | >> | |
| | eS | | 28 | 27 | 3.7 | | eS | | 29 | | >> | |
| NOV 1 | eS | 09 | 30 | 59 | 2.0 | 13 | eP | 05 | 30 | 16 | 2.1 | |
| 1 | eP | 21 | 01 | 15 | 4.2 | | e | | 31 | 21 | 2.5 | |
| | eS | | 02 | 25 | 12 | | eL | | 56.5 | | | |
| | 1 | | 06 | 20 | 4.0 | 14 | 1P | 12 | 35 | 00 | d 11 | |
| 4 | eP | 01 | 18 | 55 | 3.1 | | eS | | 52 | | 4.0 | |
| | 1 | | | 58 | 10 | | | | | | | |
| | eS | | 22 | 29 | 2.7 | 15 | eP | 07 | 09 | 10 | 2.0 | |
| 4 | eP | 01 | 26 | 31 | 10 | | eS | | 10 | 54 | 1.6 | |
| | 1 | | | 31 | 10 | 19 | eP | 15 | 49 | 05 | 12 | |
| | eS | | | 31 | 10 | | eS | | 20 | | >> | |
| 5 | eP | 09 | 34 | 03 | 5 | 20 | eP | 03 | 02 | 16 | 2.0 | |
| | 1S | | 32 | | 15 | | eS | | 03 | 53 | 3.6 | |
| 5 | eP | 16 | 02 | 45 | 4.7 | 20 | 1P | 15 | 31 | 59 | d 22+ | |
| | S | | 03 | 17 | 11 | | eS | | 32 | 15 | >> | |
| 6 | 1P | 06 | 29 | 55 | u 23 | 20 | eP | 20 | 16 | 49 | 1.3 | |
| | eS | | 30 | 34 | >> | | eS | | 17 | 48 | 3.7 | |
| 6 | eP | 18 | 24 | 50 | 5 | 21 | eP | 09 | 20 | 11 | 1.6 | |
| | eS | | 25 | 30 | 14 | | eS | | 21 | 17 | 3.7 | |
| 6 | eP | 22 | 16 | 05 | 3.0 | 21 | P | 13 | 28 | 34 | 5 | |
| | eS | | | 37 | 8 | | eS | | 29 | 40 | 2.7 | |
| 7 | eP | 15 | 55 | 05 | 5 | 23 | eP | 20 | 15 | 37 | 8 | |
| | S | | 56 | 01 | 5 | | eS | | 16 | 18 | 14 | |
| 7 | 1P | 20 | 15 | 37.7 | d 18 | 26 | P | 09 | 04 | 13 | 11 | |
| | 1 | | | 42 | >> | | eS | | | 32 | 25+ | |
| | eS | | | 49 | >> | 27 | eP | 10 | 40 | 24 | 2.3 | |
| 8 | S | 05 | 08 | 28 | 3.0 | | eS | | 41 | 40 | 3.7 | |
| 8 | eP | 05 | 48 | 57 | 12 | 27 | eP | 18 | 25 | 57 | 4.0 | |
| | S | | 49 | 18 | 34 | | S | | 26 | 56 | 5½ | |
| 10 | 1P | 19 | 22 | 12 | 6 | 28 | eP | 07 | 56 | 27 | 3.6 | |
| 11 | eP | 11 | 31 | 58 | 3.5 | | S | | 57 | 27 | 6 | |
| | eS | | 34 | 13 | 12 | | P | 20 | 00 | 41 | 4.7 | |
| 12 | eP | 06 | 08 | 27 | 5 | | eS | | 01 | 51 | 6 | |
| | eS | | | 56 | 9 | | 29 | eP | 16 | 56 | 32 | 14 |
| | | | | | | | | eS | | 57 | 16 | 11 |

| Date | Phase | h | m | s | Az | Date | Phase | h | m | s | Az | |
|--------|-------|----|----|-----|-------|--------|-------|----|----|-----|------|-----|
| NOV 12 | eP | 12 | 45 | 34 | 1.8 | NOV 29 | P | 18 | 57 | 59 | 2.4 | |
| | eS | | 46 | 46 | 3.0 | DEC 3 | P | 19 | 44 | 31 | 6 | |
| 12 | P | 17 | 42 | 11 | 12 | | eS | | 45 | 27 | 31 | |
| | eS | | | 20 | >> | | e | | 49 | 22 | 4.8 | |
| 12 | eP | 21 | 49 | 19 | 5½ | 4 | eP | 00 | 45 | 45 | 5 | |
| | eS | | | 48 | 16½ | | eS | | 46 | 40 | 9 | |
| 13 | 1P | 11 | 20 | 04 | 5 | 7 | P | 04 | 09 | 46 | 9 | |
| | S | | 21 | 14 | 5½ | | eS | | 11 | 19 | 6 | |
| 13 | eP | 17 | 20 | 24 | 3.0 | 7 | 1P | 17 | 38 | 55½ | 7½+ | |
| | eS | | 21 | 37 | 4.2 | | eS | | 39 | 17 | >> | |
| 14 | 1P | 00 | 20 | 18½ | >> | 9 | eP | 10 | 55 | 36 | 3.7 | |
| 16 | P | 22 | 45 | 11 | 8 | | eS | | 57 | 00 | 13 | |
| | eS | | 46 | 31 | 14 | | PcP | | 11 | 01 | 31 | 2.7 |
| 16 | eP | 23 | 41 | 41 | 3.0 | 9 | eP | 19 | 19 | 12 | 5 | |
| | S | | 42 | 58 | 5½ | 11 | eS | 02 | 35 | 57 | 4.0 | |
| 17 | eP | 00 | 50 | 42 | 3.2 | 11 | P | 11 | 14 | 04 | 5½ | |
| | eS | | 52 | 01 | 7½ | | S | | 15 | 21 | 3.3 | |
| 17 | eP | 01 | 15 | 15 | 1.6 | 15 | eP | 19 | 45 | 19 | 1.8 | |
| | eS | | 16 | 35 | 2.7 | | ePP | | 48 | 55 | 3.0 | |
| 17 | eS | 10 | 30 | 45 | 2.3 | | eS | | 53 | 54 | 2.3 | |
| 17 | eP | 13 | 16 | 29 | 1.9 | 17 | eP | 08 | 34 | 02 | 2.4 | |
| | eS | | 18 | 44 | 2.8 | | eS | | | 45 | 3.5 | |
| 20 | P | 12 | 01 | 41 | 5 | 18 | 1P | 00 | 31 | 17 | d >> | |
| | eS | | 03 | 00 | 5 | | e | | 56 | 24 | 4.5 | |
| 22 | eS | 17 | 08 | 39 | 2.0 | 18 | P | 12 | 21 | 58 | 21 | |
| 22 | P | 21 | 48 | 36 | 5½ | | eS | | 22 | 14 | >> | |
| | eS | | 49 | 15 | 10 | 19 | P | 02 | 35 | 38 | 3.0 | |
| 23 | eS | 19 | 34 | 12 | 3.8 | | e(s) | | 36 | 39 | 2.4 | |
| 24 | eP | 05 | 10 | 26 | 2.3 | | i | | 53 | 53 | 4.7 | |
| | eS | | 11 | 45 | 5 | 19 | eP | 23 | 28 | 06 | 9½ | |
| 24 | eP | 05 | 15 | 08 | 2.0 | 21 | eP | 12 | 36 | 21 | 3.3 | |
| | eS | | 16 | 27 | 3.2 | | eS | | 37 | 54 | 17 | |
| 24 | eP | 05 | 22 | 23 | 2.3 | 23 | eP | 17 | 59 | 20 | 3.4 | |
| | eS | | 23 | 43 | 3.2 | | e | | | 35 | 8 | |
| 26 | 1P | 02 | 59 | 14½ | 11 | | eS | | | 55 | 15 | |
| | S | | | 50 | 24 | 28 | 1P | 06 | 49 | 19 | d 17 | |
| 26 | 1P | 03 | 55 | 11 | 9 | | eS | | | 27 | >> | |
| | eS | | | 42 | 6 | 28 | eS | 04 | 39 | 03 | 2.2 | |
| 26 | eP | 22 | 53 | 31 | 4.5 | 28 | 1P | 07 | 05 | 22 | d 6 | |
| 27 | eP | 03 | 31 | 57 | 2.5 | | eS | | | 42 | 11½ | |
| | eS | | 32 | 44 | 4.7 | | eT | | | 06 | 6 | |
| 27 | 1P | 18 | 19 | 46 | d 5.0 | 28 | 1P | 09 | 04 | 50 | u >> | |
| | S | | 20 | 10 | 17 | 29 | 1P | 03 | 00 | 35½ | 17 | |
| 28 | P | 18 | 15 | 18½ | 2.3 | | eS | | | 52 | >> | |
| | | | | | | 29 | eS | 15 | 04 | 08 | 2.4 | |
| | | | | | | 30 | eP | 06 | 23 | 51 | >> | |

| Date | Phase | h | m | s | Az |
|--------|-------|----|----|----|------|
| NOV 30 | 1P | 22 | 32 | 31 | d 9½ |
| | eS | | | 48 | 23 |
| 31 | eS | 01 | 34 | 40 | 2.9 |
| 31 | eP | 10 | 24 | 11 | 1.9 |
| | eS | | 26 | 05 | 2.1 |
| 31 | eP | 19 | 19 | 48 | 9 |
| | eS | | 22 | 01 | 10 |

HALLETT

Original seismograms recorded at Hallett in 1963 were lost as the result of a fire at the base in early 1964. The readings printed below are preliminary ones sent by radio to Wellington in the course of the year. In the absence of the seismograms it has not been possible to revise them. A few are obviously defective as a result of errors in radio transmission, but they are printed as received. Such readings are identified by the letter R following the seconds figure.

| Date | Phase | h m s |
|--------|-------|----------|
| JAN 1 | eP | 19 45 04 |
| 2 | eP | 00 01 27 |
| 2 | eP | 16 02 43 |
| 3 | eP | 09 50 39 |
| 4 | eP | 12 27 34 |
| 7 | eP | 12 00 18 |
| 11 | eP | 12 21 43 |
| 13 | eP | 16 25 18 |
| 14 | eP | 11 24 45 |
| FEB 5 | eP | 20 49 33 |
| 6 | eP | 01 31 46 |
| 13 | eP | 09 03 58 |
| 13 | eP | 18 24 30 |
| 14 | eP | 07 15 34 |
| 14 | eP | 22 18 55 |
| 20 | e | 19 33 14 |
| 26 | eP | 20 24 42 |
| 27 | eP | 05 41 01 |
| MAR 10 | e | 11 03 04 |
| 10 | e | 17 14 40 |

| Date | Phase | h m s |
|--------|-------|----------|
| MAR 10 | e | 21 52 42 |
| 10 | e | 23 27 07 |
| 11 | e | 16 05 03 |
| 11 | e | 17 00 43 |
| 11 | e | 15 09 33 |
| 12 | e | 04 00 19 |
| 12 | e | 03 34 30 |
| 12 | eP | 13 25 29 |
| | e | 47 05 |
| | e | 37 22 |
| 12 | e | 15 24 04 |
| 15 | e | 06 24 32 |
| 15 | e | 11 49 08 |
| 16 | e | 01 13 25 |
| 16 | e | 07 06 47 |
| 16 | e | 07 52 01 |
| 16 | e | 16 50 17 |
| 16 | e | 21 13 33 |
| 16 | e | 21 57 42 |
| 16 | ePKP | 09 03 39 |
| 16 | eP | 09 12 57 |

HALLETT 1963

| Date | Phase | h m s | Date | Phase | h m s |
|--------|-------|----------|--------|-------|----------|
| MAR 17 | e | 03 06 36 | MAR 30 | iP | 02 02 33 |
| 17 | e | 05 21 14 | 30 | eP | 05 11 40 |
| 17 | e | 09 00 14 | 30 | e | 05 39 32 |
| | | | 31 | iP | 05 38 48 |
| 17 | e | 10 30 26 | 31 | iP | 07 18 29 |
| 17 | e | 01 29 34 | 31 | iP | 19 30 50 |
| 18 | e | 08 11 11 | APR 1 | e | 06 35 47 |
| 19 | e | 09 00 38 | | e | 38 07 |
| 19 | e | 11 32 15 | 1 | e | 13 03 54 |
| 21 | e | 07 14 29 | 1 | e | 18 19 31 |
| 22 | e | 03 34 49 | 2 | e | 16 10 56 |
| 22 | e | 11 23 43 | 3 | e | 06 45 25 |
| 22 | eP | 12 22 39 | 3 | e | 11 06 04 |
| 22 | e | 13 42 27 | 3 | e | 12 15 54 |
| 22 | e | 19 31 11 | | e | 16 44 |
| 23 | e | 07 44 42 | 3 | e | 13 44 37 |
| 23 | e | 19 31 44 | 3 | eP | 14 54 12 |
| 24 | e | 02 17 16 | 3 | e | 17 41 16 |
| | e | 54 | 3 | e | 19 00 48 |
| 24 | eP | 02 18 19 | 7 | eP | 22 48 15 |
| 24 | e | 07 34 18 | 11 | e | 02 19 18 |
| 24 | i | 11 06 30 | 11 | e | 07 15 21 |
| | e | 52 | 11 | e | 10 59 15 |
| 25 | e | 17 43 20 | 11 | e | 13 57 05 |
| | e | 44 03 | 11 | e | 19 48 53 |
| 25 | eP | 20 21 26 | 12 | ePP | 08 48 32 |
| 26 | iP | 09 56 19 | 13 | eP | 02 33 49 |
| 26 | eP | 12 59 35 | 13 | eP | 14 41 56 |
| 26 | iP | 13 33 02 | 13 | e | 22 53 41 |
| 26 | eP | 21 59 38 | 14 | e | 82 84 X1 |
| | e | 18 29 25 | | | |
| 28 | e | 08 56 19 | 14 | e | 05 40 22 |
| 28 | e | 09 41 21 | 14 | e | 05 09 19 |
| 28 | e | 13 11 42 | 15 | e | 01 23 44 |
| 28 | e | 22 54 35 | 15 | e | 05 52 21 |

| Date | Phase | h | m | s |
|--------|-------|----|----|----|
| JUN 13 | eP | 10 | 45 | 53 |
| 13 | eP | 17 | 37 | 41 |
| 15 | eP? | 05 | 11 | 08 |
| 15 | eP | 15 | 40 | 14 |
| 19 | eP? | 02 | 14 | 02 |
| 19 | 1P | 02 | 20 | 39 |
| 19 | eP? | 02 | 24 | 44 |
| 19 | eP? | 05 | 09 | 17 |
| 19 | 1P | 09 | 21 | 16 |
| 19 | 1P | 12 | 09 | 24 |
| 19 | eP? | 13 | 54 | 51 |
| 19 | 1P | 18 | 32 | 50 |
| 20 | eP | 19 | 15 | 27 |
| 20 | eP | 22 | 54 | 33 |
| 21 | eP? | 00 | 16 | 24 |
| 21 | eP | 21 | 49 | 57 |
| 22 | eP | 04 | 48 | 09 |
| 23 | eP | 03 | 57 | 32 |
| 23 | eP | 09 | 04 | 04 |
| 24 | eP | 04 | 45 | 58 |
| 24 | eP | 13 | 26 | 20 |
| 24 | eP | 15 | 10 | 53 |
| 25 | eP | 14 | 43 | 51 |
| 27 | eP | 11 | 58 | 09 |
| 27 | eP? | 12 | 29 | 20 |
| 27 | eP? | 16 | 32 | 46 |
| 28 | eP | 02 | 39 | 51 |
| 28 | eP | 18 | 54 | 32 |
| 28 | eP? | 22 | 15 | 42 |
| 28 | eP? | 23 | 27 | 54 |
| 29 | eP | 12 | 56 | 2- |
| 29 | eP | 13 | 06 | 30 |
| 29 | eP | 13 | 17 | 01 |

R

| Date | Phase | h | m | s |
|--------|-------|----|----|------|
| JUN 29 | eP | 13 | 27 | 24 |
| 29 | eP | 13 | 31 | 41 |
| 29 | eP | 17 | 48 | 15 |
| 30 | eP | 01 | 51 | 44 |
| 30 | eP | 04 | 46 | 55 |
| 30 | eP | 06 | 57 | 35 |
| 30 | eP | 21 | 52 | 23 |
| JUL 1 | eP | 16 | 05 | 10 |
| 1 | eP | 17 | 00 | 07 |
| 1 | eP | 20 | 31 | 34 |
| 2 | eP | 08 | 45 | 37 |
| 2 | eP | 09 | 58 | 01 |
| 4 | 1P | 11 | 06 | 27.4 |
| 4 | eP | 14 | 25 | 43 |
| 4 | eP | 23 | 09 | 11 |
| 5 | eP | 06 | 00 | 48 |
| 7 | eP | 00 | 10 | 01 |
| 7 | eP | 16 | 56 | 40 |
| 7 | eP | 23 | 13 | 28 |
| 11 | eP | 17 | 59 | 04 |
| 12 | eP | 17 | 01 | 35 |
| 12 | eP | 18 | 42 | 39 |
| 12 | eP | 17 | 56 | 37 |
| 13 | eP | 00 | 02 | 08 |
| 13 | eP | 03 | 22 | 22 |
| 13 | eP | 04 | 38 | 56 |
| 14 | eP | 00 | 10 | 18 |
| 14 | eP | 04 | 07 | 09 |
| 16 | eP | 17 | 00 | 09 |
| 16 | eP | 18 | 46 | 40 |
| 16 | eP | 19 | 16 | 24 |
| 16 | eP | 23 | 59 | 26 |
| 17 | eP | 19 | 21 | 44 |

| Date | Phase | h | m | s |
|--------|-------|--------|----|-------|
| JUN 18 | 1P | 05 | 06 | 36.5 |
| 18 | eP | 06 | 05 | 16 |
| 19 | e | | | 53 |
| 20 | eP | 05 | 17 | 33 |
| 20 | e | | | 20 05 |
| 20 | e | | | 22 52 |
| 20 | eP | 06 | 40 | 09 |
| 20 | eP | 18 | 54 | 41 |
| 20 | e | | | 56 29 |
| 20 | eP | 19 | 05 | 24 |
| 20 | e | | | 07 15 |
| 20 | eP | 19 | 14 | 11 |
| 20 | e | | | 16 08 |
| 21 | eP | 11 | 12 | 18 |
| 22 | eP | 00 | 40 | 08 |
| 23 | eP | 09 | 33 | 16 |
| 23 | eP | 11 | 08 | 50 |
| 23 | eP | 15 | 05 | 39 |
| 23 | eP | 17 | 23 | 44 |
| 24 | eP | 16 | 57 | 30 |
| 24 | eP | 18 | 57 | 06 |
| 24 | eP | 19 | 00 | 03 |
| 24 | eP | 21 | 58 | 24 |
| 25 | eP | (21)42 | 26 | R |
| 25 | eP | 04 | 36 | 54 |
| 25 | e | 04 | 39 | 18 |
| 25 | eP | 05 | 36 | 21 |
| 25 | e | | | 41 31 |
| 25 | eP | 23 | 43 | 09 |
| 27 | eP | 00 | 01 | 07 |
| 28 | eP | 07 | 20 | 16 |
| 28 | eP | 08 | 06 | 35 |
| 28 | eP | 16 | 43 | 20 |
| 29 | eP | 04 | 56 | 45 |
| 29 | eP | 05 | 43 | 04 |
| 29 | eP | 06 | 29 | 21 |

| Date | Phase | h | m | s |
|--------|-------|----|----|----------|
| JUL 29 | eP | 20 | 22 | 05 |
| 29 | e(P) | 20 | 24 | 36 |
| 29 | eP | 23 | 26 | 38 |
| 29 | eP | 23 | 51 | 20 |
| 30 | eP | 03 | 05 | 30 |
| 30 | eP | 04 | 35 | 23 |
| 30 | eS | | | 42 00 |
| 30 | eP | 05 | 53 | 54 |
| 30 | e | | | 06 00 25 |
| 30 | eP | 13 | 07 | 22 |
| 30 | 1P | 14 | 01 | 01.8 |
| 30 | e(P) | 14 | 31 | 14 |
| 30 | eP | 15 | 12 | 34 |
| 30 | eS | | | 19 03 |
| 30 | eP | 17 | 51 | 35 |
| 31 | eP | 06 | 52 | 14 |
| 31 | e(P) | 14 | 55 | 01 |
| AUG 1 | e(P) | 03 | 20 | 24 |
| 1 | e(P) | 12 | 51 | 09 |
| 1 | e(P) | 12 | 58 | 18 |
| 1 | eP | 15 | 28 | 53 |
| 1 | e(P) | 18 | 56 | 41 |
| 1 | eP | 19 | 58 | 02 |
| 1 | e(P) | 21 | 36 | 25 |
| 3 | 1P | 03 | 58 | 07.9 |
| 3 | eP | 10 | 41 | 00 |
| 3 | e(P) | 10 | 51 | 05 |
| 5 | e(P) | 00 | 03 | 00 |
| 5 | e(P) | 07 | 49 | -5 |
| 5 | e(P) | 15 | 39 | 50 |
| 5 | eP | 15 | 42 | 13 |
| 5 | eS | | | 44 40 |
| 6 | e(P) | 01 | 44 | 36 |
| 6 | eP | 01 | 45 | 37 |
| 6 | eP | 09 | 38 | 38 |

R

| Date | Phase | h | m | s | Date | Phase | h | m | s |
|-------|-------|----|----|----|--------|-------|----|----|------|
| AUG 6 | eP | 21 | 09 | 29 | AUG 25 | eP | 12 | 26 | 54 |
| 7 | eP | 06 | 09 | 53 | 27 | eP | 03 | 32 | 51 |
| 7 | eP | 11 | 23 | 30 | 28 | eP | 12 | 50 | 57 |
| 7 | eP | 17 | 22 | 21 | 28 | eP | 17 | 08 | 20 |
| 8 | eP | 11 | 07 | 53 | 29 | eP | 09 | 12 | 54 |
| 8 | eP | 11 | 27 | 05 | 29 | 1P | 15 | 43 | 26.5 |
| 9 | eP | 06 | 25 | 19 | 29 | eP | 20 | 07 | 22 |
| 9 | eP | 14 | 46 | 36 | 30 | eP | 00 | 28 | 06 |
| 9 | eP | 15 | 23 | 55 | 30 | eP | 14 | 00 | 43 |
| 10 | eP | 12 | 37 | 31 | SEP 3 | eP | 03 | 53 | 11 |
| 13 | eP | 22 | 02 | 00 | | eS | 56 | 0 | R |
| 14 | eP | 02 | 57 | 02 | 4 | eP | 13 | 52 | 06 |
| 14 | eP | 03 | 43 | 30 | 5 | eP | 04 | 47 | 37 |
| 14 | eP | 14 | 43 | 23 | 5 | eP | 20 | 52 | 36 |
| 14 | e(P) | 08 | 37 | 44 | 6 | e | 02 | 32 | 24 |
| 14 | e(P) | 10 | 35 | 18 | 6 | eP | 10 | 24 | 38 |
| 14 | eP | 18 | 40 | 19 | 6 | eP | 08 | 22 | 49 |
| 15 | eP | 06 | 30 | 55 | 6 | eP | 12 | 04 | 47 |
| 15 | eP | 17 | 36 | 48 | 7 | eP | 19 | 38 | 01 |
| 15 | eP | 23 | 59 | 46 | 8 | eP | 00 | 55 | 39 |
| 16 | e | 23 | 25 | 50 | 8 | eP | 04 | 21 | 42 |
| 17 | e(P) | 11 | 31 | 01 | 8 | eP | 09 | 15 | 50 |
| 17 | e(P) | 11 | 35 | 34 | 8 | eP | 19 | 37 | 48 |
| 18 | eP | 20 | 35 | 30 | 8 | eP | 19 | 58 | 29 |
| 21 | eP | 04 | 41 | 15 | 8 | eP | 23 | 33 | 21 |
| 21 | eP | 08 | 50 | 53 | 9 | 1P | 02 | 56 | 47.7 |
| 22 | eP | 20 | 02 | 52 | 9 | eP | 13 | 01 | 47 |
| 22 | eP | 21 | 34 | 14 | 10 | eP | 01 | 19 | 38 |
| 24 | eP | 01 | 53 | 31 | 10 | eP | 19 | 23 | 42 |
| 24 | eP | 02 | 21 | 16 | 10 | e(P) | 23 | 59 | 10 |
| 24 | eP | 03 | 26 | 00 | 11 | eP | 00 | 07 | 50 |
| 24 | e(P) | 05 | 30 | 29 | 11 | eP | 09 | 11 | 06 |
| 24 | eP | 19 | 58 | 09 | 11 | eP | 22 | 28 | 01 |

| Date | Phase | h | m | s | Date | Phase | h | m | s |
|--------|-------|----|----|----|--------|-------|----|----|----|
| SEP 23 | e(P) | 16 | 50 | 54 | SEP 23 | e(P) | 21 | 16 | 42 |
| 23 | e(P) | 22 | 36 | 25 | 23 | eP | 08 | 08 | 49 |
| 23 | eP | 08 | 41 | 16 | 24 | eP | 09 | 26 | 25 |
| 24 | eP | 16 | 42 | 25 | 24 | eP | 23 | 19 | 14 |
| 24 | eP | 22 | 18 | 50 | 25 | eP | 07 | 16 | 41 |
| 24 | eP | 23 | 19 | 14 | 25 | e(P) | 12 | 56 | 17 |
| 25 | eP | 07 | 16 | 41 | 25 | e(P) | 14 | 11 | 09 |
| 25 | e(P) | 12 | 56 | 17 | 25 | eP | 15 | 00 | 40 |
| 25 | e(P) | 14 | 11 | 09 | 26 | eP | 03 | 38 | 15 |
| 25 | eP | 15 | 00 | 40 | 26 | eP | 05 | 47 | 02 |
| 26 | eP | 03 | 38 | 15 | 26 | eP | 06 | 05 | 54 |
| 26 | eP | 05 | 47 | 02 | 26 | eP | 20 | 47 | 12 |
| 26 | eP | 06 | 05 | 54 | 27 | eP | 11 | 17 | 09 |
| 26 | eP | 20 | 47 | 12 | 27 | eP | 18 | 31 | 35 |
| 27 | eP | 11 | 17 | 09 | 27 | eP | 00 | 40 | 02 |
| 27 | eP | 18 | 31 | 35 | 28 | eP | 07 | 05 | 17 |
| 28 | eP | 00 | 40 | 02 | 28 | e(P) | 07 | 10 | 10 |
| 28 | eP | 07 | 05 | 17 | 29 | eP | 02 | 57 | 35 |
| 28 | e(P) | 07 | 10 | 10 | 29 | eP | 12 | 36 | 37 |
| 29 | eP | 02 | 57 | 35 | 29 | eP | 19 | 47 | 18 |
| 29 | eP | 12 | 36 | 37 | 29 | eP | 22 | 36 | 06 |
| 29 | eP | 19 | 47 | 18 | 29 | eP | 03 | 42 | 18 |
| 29 | eP | 22 | 36 | 06 | OCT 2 | eP | 05 | 56 | 18 |
| 29 | eP | 03 | 42 | 18 | | eS | 06 | 03 | 52 |
| 30 | eP | 05 | 56 | 18 | 3 | e(P) | 02 | 02 | 46 |
| 30 | eS | 06 | 03 | 52 | 3 | eP | 15 | 57 | 01 |
| 3 | e(P) | 02 | 02 | 46 | 3 | eP | 18 | 04 | 39 |
| 3 | eP | 15 | 57 | 01 | 3 | e(P) | 18 | 07 | 16 |
| 3 | eP | 18 | 04 | 39 | | | | | |
| 3 | e(P) | 18 | 07 | 16 | | | | | |

| Date | Phase | h m s | Date | Phase | h m s |
|-------|-------|------------|--------|-------|----------|
| OCT 5 | eP | 02 05 16 | OCT 20 | eP | 00 33 13 |
| 5 | eP | 04 45 43 | 20 | eP | 01 12 13 |
| 5 | e(P) | 19 31 24 | | eS | 22 58 |
| 6 | iP | 17 26 13.5 | 21 | eP | 09 27 34 |
| | e | 39 | 21 | eP | 14 48 20 |
| 7 | eP | 12 67 22 | 24 | eP | 07 28 32 |
| | | R | 25 | eP | 01 30 41 |
| 7 | eP | 13 22 23 | 25 | eP | 20 11 40 |
| 8 | eP | 00 26 54 | 26 | eP | 12 43 30 |
| 8 | e(P) | 10 40 07 | 26 | eP | 14 57 22 |
| | e | 36 | 27 | eP | 10 47 43 |
| 8 | eP | 13 22 10 | 27 | eP | 18 33 26 |
| | e | 23 16 | 28 | eS | 08 11 04 |
| 9 | eP | 05 22 53 | DEC 10 | eP | 16 10 54 |
| 9 | eP | 10 46 06 | 10 | eP | 16 48 22 |
| 10 | eP | 00 33 50 | 11 | eP | 00 57 40 |
| 10 | e(P) | 21 42 09 | 11 | eP | 02 40 01 |
| 12 | eP | 03 47 25 | 11 | iP | 09 01 49 |
| 12 | eP | 11 42 18 | 12 | eP | 04 30 26 |
| | e | 44 44 | 12 | iP | 15 22 49 |
| | e | 45 40 | 12 | iP | 21 38 33 |
| | ePP | 47 05 | 13 | eP | 09 29 38 |
| | eS | 54 52 | 13 | eP | 20 01 20 |
| | e | 56 00 | 14 | eP | 12 37 19 |
| 13 | eP | 05 33 02 | 15 | iP | 19 45 37 |
| 14 | e(P) | 13 40 24 | 16 | eP | 02 03 14 |
| | e | 41 38 | 17 | eP | 15 13 41 |
| | e(S) | 51 32 | 18 | iP | 00 38 42 |
| | e | 58 02 | 19 | eP | 07 18 36 |
| 15 | eP | 07 16 12 | 22 | eP | 12 50 4 |
| 15 | e(P) | 10 21 11 | 22 | eP | 15 59 24 |
| 15 | e(P) | 14 05 50 | 22 | eP | 19 13 18 |
| 15 | eP | 21 56 31 | 23 | eP | 05 42 10 |
| 16 | eP | 06 59 32 | | | |
| | e | 45 | | | |
| 16 | eP | 14 05 18 | | | |
| 17 | eP | 03 18 24 | | | |
| 17 | iP | 11 45 00.5 | | | |
| 17 | eP | 14 26 42 | | | |
| 17 | eS | 23 54 24 | | | |

| Date | Phase | h m s |
|------|-------|----------|
| 24 | eP | 06 36 24 |
| 24 | iP | 11 28 11 |
| 24 | eP | 11 40 13 |
| 24 | eP | 21 10 24 |
| 25 | eP | 07 36 46 |
| 25 | eP | 07 51 52 |
| 25 | iP | 15 29 1 |
| 25 | iP | 13 45 16 |
| 25 | iP | 13 59 56 |
| 26 | iP | 03 18 26 |
| 26 | eP | 04 14 59 |
| 26 | eP | 04 35 41 |
| 27 | eP | 02 59 47 |
| 27 | eP | 03 28 40 |
| 27 | eP | 03 50 25 |
| 27 | eP | 07 30 47 |
| 27 | eP | 11 44 19 |
| 27 | eP | 13 30 17 |
| 28 | eP | 05 55 42 |
| 28 | eP | 09 11 36 |
| 28 | eP | 12 00 36 |
| 28 | eP | 18 05 28 |

SCOTT BASE

This station was re-equipped with World Wide Standard instruments during the summer and began recording intermittently during February. Regular operation did not begin until March 10. The amplitudes given are in millimetres, read directly from the photographic paper records.

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|---------|----------|-----|----|-----|----|-----|----|
| MAR 10 | P Z | 11 02 50 | 1.5 | 4 | | | | |
| 16 | PKP Z | 09 03 40 | 4 | 2 | | | | |
| | PP ZE | 05 40 | 4 | 4 | | | 2 | 5 |
| | PKS N | 07 20 | | | 15 | 8 | | |
| | SS NE | 22 40 | | | 30 | 40 | 10 | 20 |
| | Lq NE | 36 10 | | | 15 | 60 | 60 | 60 |
| | Lr ZN | 42 | 30 | 40 | 20 | 40 | | |
| 20 | P Z | 04 54 15 | 1 | 5 | | | | |
| | S NE | 05 03 20 | | | 2 | 15 | 3 | 30 |
| 20 | eL NE | 17 15 00 | | | 3 | 30 | 3 | 30 |
| 22 | eL NE | 12 44 | | | 4 | 20 | 4 | 15 |
| 24 | P Z | 02 18 36 | 4 | 3 | | | | |
| | S NE | 28 00 | | | 3 | 12 | 3 | 12 |
| | SS NE | 33 | | | 2 | 30 | 2 | 30 |
| | Lq NE | 38 | | | 5 | 45 | 4 | 45 |
| | eLr ZNE | | 10 | 20 | 12 | 20 | 10 | 20 |
| 24 | P Z | 09 56 15 | 1.5 | 2 | | | | |
| 24 | eL ZNE | 13 50 | | | | | | |
| 25 | P Z | 20 22 00 | 2.5 | 2 | | | | |
| | IS NE | 26 15 | | | 30 | 20 | 30 | 20 |
| | L NE | 30 | | | 30 | 5 | 60 | 5 |
| 26 | P ZNE | 09 57 00 | 35 | 20 | 30 | 20 | 10 | 20 |
| | S NE | 10 03 30 | | | 15 | 20 | | |
| | SS ZNE | 09 | 35 | 20 | 150 | 20 | 150 | 20 |
| | L N | 11 30 | 150 | 28 | 150 | 28 | 70 | 28 |
| 26 | P Z | 13 00 18 | 1 | 1 | | | | |
| 26 | P ZN | 13 33 45 | 10 | 15 | 7 | 15 | | |
| | PP Z | 35 45 | 3 | 8 | | | | |
| | S ZNE | 41 | 7 | 20 | 35 | 20 | 30 | 24 |
| | Lq E | 44 30 | | | | | 15 | 16 |
| | Lr ZNE | 47 30 | 25 | 28 | 20 | 28 | 10 | 30 |

SCOTT BASE 1963

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|------------|----------|-----|----|-----|----|-----|----|
| 26 | PP Z | 21 54 22 | 1.5 | 3 | | | | |
| | PS ZNE | 04 | 3 | 8 | 4 | 20 | 4 | 8 |
| | eLq E | 25 | | | | | 5 | 36 |
| | Lr ZNE | 32 | 3 | 26 | 3 | 28 | 2 | 28 |
| 28 | P Z | 11 21 10 | 2.5 | 1 | | | | |
| 28 | P Z | 23 38 00 | 2 | 1 | | | | |
| | eL Z | 53 | 3 | 20 | | | | |
| 30 | eP Z | 02 03 12 | 15 | 1 | | | | |
| | IS E | 11 10 | | | | | 25 | 12 |
| | SS E | 15 | | | | | 5 | 12 |
| | Lq E | 18 | | | | | 15 | 24 |
| 30 | PKP Z | 17 10 50 | 1 | 2 | | | | |
| | eL Z | 53 | 1 | 24 | | | | |
| 31 | eL ZNE | 05 30 | 1 | 24 | 1 | 20 | 1.5 | 20 |
| 31 | P Z | 05 39 32 | 4 | 1 | | | | |
| | PP Z | 41 15 | 2.5 | 2 | | | | |
| | S E | 46 40 | | | | | 16 | 16 |
| | SS E | 50 | | | | | 10 | 16 |
| | L ZN | 53 | 12 | 30 | 10 | 30 | | |
| 31 | eP Z | 07 19 00 | 2 | 18 | | | | |
| | S E | 28 20 | | | | | 7 | 10 |
| | Lq E | 37 | | | | | 4 | 18 |
| | Lr ZN | 42 | 3 | 24 | 3 | 24 | | |
| 31 | eP (P*) Z | 16 22 27 | 1 | 1 | | | | |
| | e(s) NE | 44 24 | | | 1.5 | 1 | 1 | 1 |
| | | 23 24 | | | | | | |
| 31 | P Z | 19 31 33 | 2.5 | 1 | | | | |
| | IS NE | 39 | | | 6 | 24 | 5 | 24 |
| | eSS E | 42 | | | | | 2 | 14 |
| | eLq E | 43 | | | | | 4 | 20 |
| | Lr ZN | 45 | 5 | 32 | 3 | 32 | | |
| 31 | (P) Z | 13 53 10 | 0.5 | 1 | | | | |
| | (S) N | 54 10 | | | 0.5 | 1 | | |
| 2 | S N | 14 59 28 | | | 10 | 16 | | |
| | Lq N | 15 01 00 | | | 15 | 24 | | |
| | Lr ZE | 02 | 6 | 26 | | | 10 | 26 |
| 5 | eP Z | 03 42 10 | 1.5 | 2 | | | | |
| 7 | eP ZNE | 22 48 10 | 5 | 3 | 2 | 2 | 2 | 2 |
| | L NE | 23 14 | | | 6 | 30 | 10 | 30 |
| | (P'PKS) NE | 18 | | | 7 | 24 | 10 | 24 |
| 9 | eP ZNE | 03 28 44 | 2 | 1 | 1.5 | 1 | 1 | 1 |
| | eL ZN | 32 | 4 | 16 | 4 | 16 | | |
| | M NE | 34 | | | 3 | 10 | 3 | 10 |
| 10 | eP ZNE | 08 01 40 | 0.5 | 1 | 0.2 | 1 | 0.2 | 1 |
| | eL ZN | 25 | 3 | 30 | 2 | 30 | | |
| | M E | 33 | | | | | 3 | 16 |
| 11 | eP (SS) Z | 16 53 17 | 1 | 2 | | | | |
| | eL E | 17 02 30 | | | | | 3 | 24 |
| | | 09 | | | | | 2 | 18 |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|---------|----------|-----|----|-----|----|-----|----|
| APR 12 | P Z | 08 49 15 | 2 | 2 | | | | |
| | S N | 55 30 | | | | | | |
| | e NE | 58 00 | | | 2 | 20 | | |
| | L ZE | 09 00 | 6 | 22 | 2 | 28 | 8 | 28 |
| 13 | P Z | 02 33 40 | 1 | 2 | | | 12 | 16 |
| | S E | 44 30 | | | | | | |
| | eL ZE | 03 03 00 | 4 | 48 | | | 4 | 12 |
| 13 | P Z | 02 37 40 | | | | | | |
| | SS E | 50 40 | | | | | | |
| | eL ZE | 03 03 00 | 4 | 48 | | | 2 | 26 |
| 13 | eP Z | 14 43 08 | 1.5 | 2 | | | 3 | 44 |
| | S E | 52 40 | | | | | | |
| | eL ZNE | 15 09 | 5 | 20 | 5 | 20 | 2 | 8 |
| 14 | e Z | 02 04 26 | | | | | 3 | 20 |
| | P ZN | 05 02 | 0.5 | 1 | 1 | 1 | | |
| 14 | eL E | 05 48 | | | | | | |
| 15 | P Z | 23 49 34 | 2 | 1 | | | | |
| 16 | P Z | 01 41 25 | 5 | 20 | | | | |
| | S ZNE | 51 | 20 | 20 | 40 | 20 | 30 | 20 |
| | SS ZNE | 56 30 | 50 | 20 | 60 | 20 | | |
| | Lq NE | 02 04 | | | 130 | 60 | 140 | 60 |
| | Lr ZNE | 07 | 180 | 60 | 170 | 60 | 180 | 60 |
| 16 | P Z | 01 49 00 | 2 | 2 | | | | |
| 16 | P Z | 02 07 15 | 5 | 2 | | | | |
| 16 | P Z | 12 15 48 | 2 | 1 | | | | |
| 17 | P Z | 01 22 20 | 0.5 | 1 | | | | |
| | eL ZE | 49 | 3 | 40 | | | 2.5 | 40 |
| | M ZNE | 55 | 2.5 | 20 | 3 | 20 | 2 | 20 |
| 17 | P Z | 02 21 21 | 1.5 | 1 | | | | |
| | S NE | 29 30 | | | 7 | 20 | 4 | 20 |
| | SS E | 31 30 | | | | | 3 | 8 |
| | Lq NE | 36 | | | 6 | 24 | 16 | 20 |
| | Lr ZN | 39 30 | 5 | 16 | 6 | 16 | | |
| 17 | eP Z | 08 33 49 | 1 | 1 | | | | |
| 17 | eP ZNE | 10 46 10 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | P Z | 18 33 00 | 0.5 | 1 | | | 4 | 12 |
| | Lq E | 44 | | | | | | |
| | Lr ZN | 48 | 4 | 16 | 4 | 16 | | |
| 19 | eP' Z | 07 54 11 | 0.5 | 1 | | | | |
| | SP Z | 08 05 30 | 3 | 12 | | | | |
| | SS E | 12 30 | | | | | 8 | 60 |
| | SSS E | 16 30 | | | | | 8 | 50 |
| | Lq NE | 25 | | | 30 | 70 | 15 | 60 |
| | eLr ZNE | 32 | 16 | 40 | 15 | 40 | 17 | 40 |
| 19 | P Z | 16 25 50 | 2 | 1 | | | | |
| | e(PP) Z | 27 30 | 1 | 1 | | | | |
| | ScP Z | 31 45 | 0.5 | 1 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|----------|------------|-----|----|-----|----|-----|----|
| 19 | e ZNE | 18 33 00 | | | | | | |
| 22 | e ZNE | 02 03 30 | | | | | | |
| 22 | eP Z | 07 34 13 | 1.5 | 1 | | | | |
| 22 | P Z | 15 16 50 | | | | | | |
| 23 | P Z | 07 27 31 | 0.5 | 1 | | | | |
| | ePP Z | 29 00 | 0.5 | 1 | | | | |
| 23 | P Z | 19 03 20 | 0.5 | 1 | | | | |
| 24 | eP ZNE | 14 06 40 | 0.5 | 1 | 0.5 | 1 | 0.5 | 1 |
| 24 | 1P Z | 21 51 44 | 2 | 1 | | | | |
| | pP Z | 55 30 | 0.5 | 1 | | | | |
| 25 | P Z | 08 24 35 | 0.5 | 1 | | | | |
| 25 | P Z | 16 48 00 | 1 | 1 | | | | |
| 26 | e Z | 12 07 30 | 1 | 1 | | | | |
| 27 | eP Z | 08 55 05 | 1 | 1 | | | | |
| | eL ZNE | 09 21 | 4 | 60 | | | | |
| 28 | eP Z | 07 36 35 | | | | | | |
| | S ZNE | 37 12 | | | | | | |
| 28 | eP Z | 14 25 29.5 | | | | | | |
| 29 | eP ZNE | 14 55 09 | 13 | 12 | 20 | 12 | 40 | 12 |
| | eL ZNE | 58.6 | | | | | | |
| 30 | eP ZNE | 01 10 27 | | | | | | |
| | S NE | 20 28 | | | | | | |
| | eLq | 32 | | | | | | |
| 31 | eP ZNE | 10 13 05 | | | 9 | 12 | | |
| | e ZNE | 10.5 | | | | | | |
| | (pP) Z | 42 | | | | | | |
| | S ZNE | 21 | | | 10 | 8 | 32 | 27 |
| | Lq E | 27 55 | | | | | 35 | 35 |
| | Lr N | 31 | | | 17 | 30 | | |
| 3 | eP ZNE | 11 05 13 | | | | | | |
| 4 | eP ZNE | 01 24 45 | | | | | | |
| | (S) ZNE | 25 14 | | | | | | |
| 4 | e(P) ZNE | 06 18 26 | | | | | | |
| 4 | eP ZNE | 18 29 31 | | | | | | |
| | eS ZNE | 32 45 | | | | | | |
| 4 | eP ZNE | 22 53 53 | | | | | | |
| | e(S) ZNE | 54 23 | | | | | | |
| 5 | eP ZNE | 15 28 25 | | | | | | |
| 5 | eP ZNE | 17 22 00 | | | | | | |
| 6 | P ZNE | 08 50 00 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-------|-------|----|----|----|----|----|----|
| MAY 7 | 1P | ZNE | 16 | 34 | 46 | | | |
| 8 | eP | ZNE | 04 | 19 | 29 | | | |
| | eS | ZNE | | 20 | 04 | | | |
| 8 | eP | ZNE | 10 | 25 | 43 | | | |
| | eS | ZNE | | 27 | 06 | | | |
| 8 | eP | Z | 14 | 04 | 07 | | | |
| 8 | eP | ZNE | 15 | 36 | 47 | | | |
| 9 | eP | Z | 04 | 40 | 06 | | | |
| | epP | ZNE | | 41 | 26 | | | |
| 9 | eP | ZNE | 14 | 25 | 05 | | | |
| | e(S) | ZNE | | 26 | 00 | | | |
| 9 | eP | ZNE | 19 | 36 | 37 | | | |
| 10 | 1P | ZNE | 19 | 38 | 31 | | | |
| | 1pP | ZNE | | | 43 | | | |
| 10 | eP | ZNE | 22 | 35 | 57 | | | |
| | ePP | Z | | 39 | 39 | | | |
| | eS | NE | | 47 | | | | |
| | eLq | N | | 23 | 02 | | 2 | 12 |
| | eLr | E | | | 07 | | 12 | 25 |
| 11 | eP | ZNE | 04 | 54 | 04 | | | |
| 11 | eP | Z | 19 | 53 | 55 | | | |
| 12 | eP | ZNE | 09 | 47 | 34 | | | |
| | ePP | ZNE | | | 55 | 2 | 10 | |
| | e | ZNE | | 51 | 35 | 3 | 15 | |
| | eLr | ZNE | | 53 | | 6 | 23 | |
| 12 | ePKP | ZNE | 20 | 27 | 58 | 2 | 10 | |
| 13 | eP | ZNE | 11 | 44 | 31 | 2 | 10 | |
| 13 | eP | ZNE | 14 | 17 | 27 | 6 | 10 | |
| 14 | eP | ZNE | 14 | 42 | 23 | 6 | 10 | |
| 14 | eP | ZNE | 23 | 26 | 19 | 13 | 25 | |
| 15 | eP | ZNE | 03 | 04 | 22 | | | |
| 16 | eP | ZNE | 16 | 04 | 21 | | | |
| 16 | eP | ZNE | 16 | 30 | 05 | | | |
| 16 | eP | ZNE | 17 | 28 | 23 | | | |
| 17 | eP | ZNE | 06 | 22 | 44 | | | |
| 17 | eP | ZNE | 07 | 41 | 15 | | | |
| 17 | 1P | ZNE | 22 | 49 | 25 | | | |
| | epP | Z | | | 54 | | | |
| 18 | eP | Z | 05 | 44 | 27 | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|-------|-------|----|------|------|----|----|----|
| MAY 18 | eS | NE | | | 53.4 | | | |
| 18 | eP | ZNE | 09 | 53 | 50 | | | |
| 18 | eP | ZNE | 12 | 32 | 08 | | | |
| | eL | ZNE | | 58 | | 3 | 22 | 3 |
| 18 | eP | ZNE | 13 | 15 | 08 | | | 20 |
| 19 | 1P | ZNE | 01 | 12 | 01 | 8 | 7 | 3 |
| | ePP | Z | | 13 | 55 | 3 | 8 | 7 |
| | 1S | NE | | 19 | 18 | | | 13 |
| | 1ScS | NE | | 21 | 55 | | | 11 |
| | eLq | ZNE | | 24 | | | | 15 |
| | eLr | ZNE | | 27 | | | | 25 |
| 19 | ePKP | ZNE | 21 | 54 | 47 | | | 16 |
| | eSS | NE | 22 | 13 | 27 | | | 50 |
| | eLq | NE | | 27 | | | | 18 |
| | eLr | ZNE | | 33 | | | | 50 |
| 19 | eP | ZNE | 23 | 43 | 18 | 6 | 25 | 3 |
| 20 | 1P | ZNE | 11 | 46 | 38 | | | 7 |
| | PP | Z | | 48 | 35 | | | 35 |
| | S | N | | 53 | 37 | | | 7 |
| | Lq | Z | | 57.1 | | | | 55 |
| | Lr | ZNE | 12 | 00 | | | | 40 |
| 21 | eP | ZN | 01 | 04 | 49 | | | 7 |
| | Lq | ZNE | | 12 | | | | 40 |
| | Lr | ZNE | | 14 | | | | 35 |
| 21 | eP | ZNE | 17 | 41 | 07 | | | 37 |
| | eS | E | | 50 | 07 | | | 25 |
| | L | ZNE | 18 | 02 | | | | |
| 21 | 1P | ZE | 17 | 59 | 56 | | | |
| 22 | eP | ZNE | 02 | 39 | 44 | | | |
| 22 | 1PKP | ZNE | 14 | 15 | 45 | | | |
| | L | ZNE | | 56 | | | | |
| 22 | 1P | ZNE | 15 | 55 | 18 | | | |
| | 1PcP | Z | | | 31 | | | |
| 22 | 1P | ZNE | 22 | 04 | 39 | | | |
| | ePP | ZN | | 07 | 23 | | | |
| | eS | NE | | 14 | 17 | | | |
| | L | ZNE | | 32 | | | | |
| 23 | 1P | ZNE | 03 | 43 | 27 | | | |
| 23 | 1P | ZNE | 03 | 46 | 26 | | | |
| | eS | ZNE | | 55 | 12 | | | |
| | eSS | N | | 59 | 55 | | | |
| | L | ZNE | 04 | 07 | | | | |
| 24 | eP | ZN | 15 | 44 | 18 | | | |
| 25 | 1P | ZE | 16 | 16 | 18 | | | |
| | eS | NE | | 23 | 06 | | | |
| | eSS | E | | 26 | 24 | | | |
| | eL | ZNE | | 30 | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| MAY 25 | 1P eS eLq eLr | ZE NE NE ZNE | | | | | | |
| | | 18 09 05 12 19 13 14 | | | | | | |
| | | | 6 | 14 | 6 | 14 | 5 21 | 17 16 |
| 26 | eP | ZNE | | | | | | |
| | | 00 09 53 | | | | | | |
| 26 | eP | Z | | | | | | |
| | | 09 46 00 | | | | | | |
| 26 | ePKP ePKS | Z Z | | | | | | |
| | | 23 26 08 29 32 | | | | | | |
| 27 | ePKP eSKS | ZNE Z | | | | | | |
| | | 04 17 57 21 25 | | | | | | |
| 27 | eP | ZNE | | | | | | |
| | | 16 32 23 | | | | | | |
| 29 | 1P | ZN | | | | | | |
| | | 01 11 29 | | | | | | d |
| 29 | eL | NE | | | | | | |
| | | 07 30 | | | | | | |
| 29 | 1P | Z | | | | | | |
| | | 08 37 07 | | | | | | d |
| 29 | 1P | ZNE | | | | | | |
| | | 11 08 27 | | | | | | u |
| 29 | 1P | Z | | | | | | |
| | | 13 31 44 | | | | | | d |
| 30 | 1P | Z | | | | | | |
| | | 03 14 11½ | | | | | | u |
| 30 | 1P | ZNE | | | | | | |
| | | 05 43 22 | | | | | | us |
| 30 | eP eS eL | ZNE ZNE ZNE | | | | | | |
| | | 07 01 31 06 09 09 | | | | | | |
| | | | 19 | 10 | 35 | 8 | 64 | 9 |
| 30 | 1P ePP | ZNE Z | | | | | | |
| | | 19 05 49 07 39 | | | | | | u |
| 30 | 1P | ZN | | | | | | |
| | | 20 39 58 | | | | | | d |
| 31 | 1P | Z | | | | | | |
| | | 14 16 37 | | | | | | u |
| JUN 1 | 1P | Z | | | | | | |
| | | 12 41 25 | | | | | | d |
| 1 | eP | Z | | | | | | |
| | | 21 17 54 | | | | | | |
| 1 | 1P PcP eS ScS SS Lq Lr M | ZNE Z ZNE E E ZNE ZNE ZN | | | | | | |
| | | 21 24 24 25 01 33 00 34 21 37 00 42.8 44.4 58 | | | | | | |
| | | | 3 | 15 | 2.5 | 32 | | |
| 2 | 1P L | ZNE N | | | | | | |
| | | 10 11 21 34 | | | | | | d |
| 2 | 1P PP eS SS Lq Lr M | ZNE Z ZNE ZNE E ZNE ZNE | | | | | | |
| | | 21 12 27 14 04 19 06 22 04 23.5 26 28 | | | | | | |
| | | | | | | | 13 80 24 | 20 28 53 |
| | | | 20 | 15 | 28 | 14 | 46 | 16 |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---------------------------------------|---|----|----|----|----|----|----------------|
| 2 | 1P PP | ZN ZN | | | | | | |
| | | 21 15 36 17 26 | | | | | | u |
| 3 | 1P | Z | | | | | | |
| | | 18 57 34 | | | | | | u |
| 4 | 1P PcS L M | ZNE NE ZNE N | | | | | | |
| | | 12 02 47 09 52 18 23 | | | | | | u |
| | | | | | | | | 1 17 |
| 4 | 1P | ZNE | | | | | | |
| | | 13 14 34 | | | | | | u |
| 4 | 1P PP eS PS Lq Lr M | ZNE ZN ZNE ZNE NE ZNE ZNE | | | | | | |
| | | 21 16 47 20 40 26 48 27 34 39 44 50 | | | | | | d |
| | | | | | | | | 6 35 8 35 |
| | | | 4 | 25 | 5 | 22 | 5 | 22 |
| 5 | 1P! | ZNE | | | | | | |
| | | 10 23 33 | | | | | | use |
| 5 | eP | ZNE | | | | | | |
| | | 14 04 27 | | | | | | |
| 5 | eP eS eL | ZNE N NE | | | | | | |
| | | 23 06 26 16 28 37 | | | | | | |
| | | | | | | | | 1 20 |
| 6 | eP | ZNE | | | | | | |
| | | 04 36 44 | | | | | | |
| 6 | eP | ZNE | | | | | | |
| | | 11 07 42 | | | | | | |
| 6 | 1P eS Lq Lr | ZE N N NE | | | | | | |
| | | 12 13 33 21 05 27 29 | | | | | | d |
| | | | | | | | | 2 26 3 17 3 17 |
| 6 | 1P! | ZNE | | | | | | |
| | | 17 53 02 | | | | | | unw |
| 7 | eP | ZNE | | | | | | |
| | | 15 45 12 | | | | | | |
| 7 | 1P | ZNE | | | | | | |
| | | 22 42 25 | | | | | | d |
| 7 | 1P eL M | ZNE ZNE ZNE | | | | | | |
| | | 22 47 58 23 06 19 | | | | | | d |
| | | | 4 | 16 | 4 | 16 | 2 | 15 |
| 8 | 1P eL | ZNE ZN | | | | | | |
| | | 01 12 20 38 | | | | | | |
| | | | 1 | 10 | 1 | 16 | | |
| 8 | 1P | ZN | | | | | | |
| | | 02 09 57 | | | | | | u |
| 8 | eP | ZNE | | | | | | |
| | | 04 35 00 | | | | | | |
| 8 | 1P | ZNE | | | | | | |
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| 8 | ePP | ZNE | | | | | | |
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| 8 | 1P | Z | | | | | | |
| | | 23 09 02 | | | | | | u |
| 9 | eP | Z | | | | | | |
| | | 01 40 02 | | | | | | |
| 9 | 1P | ZNE | | | | | | |
| | | 03 08 06 | | | | | | u |
| 9 | 1P | ZNE | | | | | | |
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| Date | Phase | h | m | s | use | Az | Tz | An | Tn | Ae | Te | | |
|--------|-------|-----|----|----|-----|-----|----|----|-----|----|----|----|----|
| JUN 10 | 1P | ZNE | 04 | 21 | 47 | use | 4 | 7 | 2.5 | 7 | | | |
| | pP | ZN | 22 | 04 | | | | | | | | | |
| | PP | NE | 18 | | | | | | | | | | |
| | eS | ZNE | 26 | 10 | | 11 | 17 | 49 | 25 | 48 | 34 | | |
| | SS | NE | 50 | | | | | | | | | | |
| | L | ZNE | 29 | | | | | | | | | | |
| | M | ZNE | 37 | | | 16 | 15 | 28 | 13 | 79 | 10 | | |
| 10 | 1P | ZNE | 05 | 19 | 26 | u | | | | | | | |
| | eS | NE | 23 | 40 | | | | | | | | | |
| | eL | ZNE | 27 | | | | | | | | | | |
| 10 | 1P | ZNE | 06 | 44 | 17 | use | 14 | 9 | 11 | 9 | 10 | | |
| | (pP) | N | 37 | | | | | | | | | | |
| | PP | Z | 58 | | | | | | | | | | |
| | eS | ZNE | 48 | 41 | | 11 | 23 | 43 | 30 | 27 | 34 | | |
| | SS | ZNE | 49 | 33 | | | | | | | | | |
| | eL | ZNE | 51 | | | | | | | | | | |
| | M | ZNE | 54 | | | 29 | 12 | 42 | 8 | 50 | 16 | | |
| 10 | ePKP | Z | 11 | 06 | 01 | | | | | | | | |
| 10 | iP | ZNE | 12 | 31 | 12 | d | | | | | | | |
| | (pP) | ZNE | 51 | | | | | | | | | | |
| 11 | 1P | ZNE | 00 | 10 | 12 | u | | | | | | | |
| 11 | 1P | ZNE | 17 | 22 | 19 | d | | | | | | | |
| 12 | 1P | ZNE | 04 | 18 | 24 | u | | | | | | | |
| 12 | 1P | ZNE | 15 | 20 | 23 | u | | | | | | | |
| 13 | 1P | ZNE | 08 | 03 | 50 | dsw | | | | | | | |
| 13 | 1P | ZNE | 10 | 46 | 14 | u | | | | | | | |
| 13 | 1P | ZNE | 17 | 38 | 12 | d | | | | | | | |
| 15 | 1P! | ZNE | 05 | 11 | 46 | dne | | | | | | | |
| 15 | 1P | ZNE | 15 | 40 | 14 | u | | | | | | | |
| | eS | N | 48 | 04 | | | | | | | | | |
| | Lq | N | 53 | | | | | | | | | | |
| | Lr | N | 54 | | | | | | | | | | |
| | | | | | | | | 3 | 28 | | | | |
| | | | | | | | | 2 | 14 | | | | |
| 15 | 1P | ZNE | 21 | 55 | 37 | u | | | | | | | |
| 16 | 1P | ZNE | 14 | 00 | 28 | d | | | | | | | |
| 17 | 1P | ZNE | 02 | 14 | 19 | d | | | | | | | |
| 17 | 1P | Z | 17 | 47 | 21 | d | | | | | | | |
| 17 | 1P | ZNE | 18 | 33 | 54 | us | | | | | | | |
| | eS | ZNE | 36 | 03 | | | | | | | | | |
| | eL | ZNE | 37 | | | | | | | | | | |
| | | | | | | | | | | 66 | 12 | 69 | 13 |
| | M | NE | 39 | | | | | | | | | | |
| 17 | 1P | ZNE | 23 | 14 | 14 | usw | | | | | | | |
| 18 | 1P | ZNE | 03 | 54 | 43 | u | | | | | | | |
| 18 | 1P | ZNE | 05 | 08 | 48 | u | | | | | | | |

| Date | Phase | h | m | s | use | Az | Tz | An | Tn | Ae | Te |
|------|-------|-----|----|----|------|----|----|----|----|----|----|
| 18 | 1P | ZNE | 15 | 33 | 43 | u | | | | | |
| | | | | | | | | | | | |
| 19 | 1P | ZNE | 02 | 25 | 23 | d | 1 | 16 | 1 | 16 | |
| | eL | ZN | 43 | | | | | | | | |
| 19 | eP | ZNE | 09 | 21 | 34 | | | | | | |
| 19 | eP | ZNE | 12 | 09 | 53 | | | | | | |
| 19 | 1P! | ZNE | 18 | 33 | 20 | d | | | | | |
| 20 | eP | ZNE | 13 | 27 | 50 | | | | | | |
| 20 | eP | ZNE | 18 | 37 | 13 | | | | | | |
| 20 | 1P | ZNE | 22 | 55 | 16 | d | | | | | |
| | eS | E | 23 | 02 | 39 | | | | | | |
| | SS | E | 05 | 12 | | | | | | | |
| | L | ZNE | 10 | | | | | | | | |
| | M | ZN | 32 | | | | | | | | |
| | | | | | | | | 3 | 15 | 3 | 15 |
| 21 | 1P | ZNE | 00 | 17 | 08 | u | | | | | |
| 21 | 1P | ZNE | 12 | 29 | 40 | d | | | | | |
| 21 | 1P | ZNE | 14 | 42 | 18 | u | | | | | |
| 21 | eP | ZNE | 17 | 51 | 33 | | | | | | |
| 21 | 1P | Z | 19 | 58 | 32 | u | | | | | |
| 21 | 1P | ZNE | 21 | 50 | 41 | u | | | | | |
| 22 | 1P | ZNE | 04 | 48 | 41 | d | | | | | |
| 22 | eP | ZNE | 08 | 44 | 30 | | | | | | |
| 22 | 1P | ZNE | 16 | 23 | 08 | d | | | | | |
| 22 | eP | ZNE | 21 | 36 | 40 | | | | | | |
| 23 | 1P | ZNE | 03 | 58 | 15 | u | | | | | |
| | eS | NE | 04 | 05 | 21 | | | | | | |
| | L | ZNE | 12 | | | | | | | | |
| | | | | | | | | 1 | 26 | 1 | 27 |
| 23 | 1P | ZNE | 09 | 04 | 33 | d | | | | | |
| 25 | 1P | ZNE | 02 | 38 | 48 | d | | | | | |
| 25 | eP | ZNE | 14 | 43 | 50 | | | | | | |
| 25 | 1P | ZNE | 16 | 13 | 52 | d | | | | | |
| 25 | 1P | ZNE | 18 | 58 | 34 | d | | | | | |
| 26 | eP | ZE | 09 | 54 | 06 | | | | | | |
| 26 | 1P | Z | 16 | 51 | 41.6 | u | | | | | |
| 27 | 1P | ZNE | 11 | 58 | 21 | d | | | | | |
| 27 | 1P | ZNE | 12 | 30 | 05 | u | | | | | |
| | ePcP | Z | 31 | 46 | | | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|--------|-------|-----|----|------|----|----|----|----|----|------|
| JUN 28 | 1P | ZNE | 02 | 39 | 34 | | | | | |
| | L | ZE | 03 | 00 | | | | | | |
| | | | | | 3 | 28 | | | 3 | 24 |
| 28 | eP | ZNE | 14 | 00 | 28 | | | | | |
| 28 | ePKP | ZNE | 22 | 14 | 35 | | | | | |
| | PP | ZNE | 15 | 36 | | | | | | |
| | PKS | ZN | 18 | 09 | | | | | | |
| | SKS | ZN | 21 | 41 | | | | | | |
| | SKKS | ZN | 23 | 23 | | | | | | |
| | PKKP | N | 24 | 22 | | | | | | |
| | PS | ZN | 26 | 26 | | | | | | |
| | PPS | Z | 27 | 55 | | | | | | |
| | SSS | ZE | 37 | 45 | | | | | | |
| | Lr | ZNE | 54 | | | | | | | |
| | M | ZNE | 23 | 00 | | | | | | |
| | | | | | 13 | 21 | 10 | 23 | 12 | 24 |
| 28 | ePKP | ZN | 23 | 15 | 59 | | | | | |
| 28 | 1P | ZNE | 23 | 28 | 25 | | | | | |
| 29 | 1P | ZNE | 08 | 41 | 40 | | | | | |
| 29 | 1P | ZNE | 12 | 56 | 47 | | | | | |
| 29 | eP | Z | 13 | 17 | 23 | | | | | |
| 29 | 1P | ZNE | 17 | 48 | 52 | | | | | |
| 30 | 1P | ZNE | 02 | 14 | 10 | | | | | |
| 30 | 1P | ZNE | 06 | 57 | 42 | | | | | |
| JUL 1 | eP | ZE | 04 | 13 | 53 | | | | | |
| 1 | eP | ZNE | 15 | 21 | 32 | | | | | |
| | eS | ZNE | 22 | 07 | | | | | | |
| 1 | eP | Z | 18 | 02 | 59 | | | | | |
| 1 | 1P | Z | 20 | 31 | 41 | | | | | |
| 2 | 1P | ZNE | 09 | 58 | 11 | | | | | |
| 4 | 1P | ZNE | 11 | 07 | 10 | | | | | |
| | pP | ZNE | | 49 | | | | | | |
| | PcP | ZNE | | 08 | 09 | 8 | 8 | 5 | 12 | |
| | PP | ZN | | 09 | 37 | | | | | |
| | ScP | Z | | 11 | 59 | | | | | |
| | eS | ZNE | | 14 | 25 | | | 15 | 14 | |
| | sS | E | | 15 | 49 | | | | 13 | 16 |
| | ScS | E | | 16 | 42 | | | | | |
| | sScS | NE | | 17 | 48 | | | | | |
| | SS | ZNE | | 18 | 06 | | | | | |
| | Lq | ZE | | 20.7 | | | | | | |
| | Lr | ZNE | | 22.5 | | | | | | |
| | M | ZNE | | 29 | | 5 | 15 | 5 | 14 | 3 11 |
| | P'P' | Z | | 37 | 21 | | | | | |
| 4 | eP | ZNE | 14 | 26 | 23 | | | | | |
| 4 | 1P | Z | 17 | 59 | 49 | | | | | |
| 4 | eP | ZNE | 23 | 08 | 43 | | | | | |
| | L | ZN | | 37 | | 1 | 22 | 1 | 22 | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|-------|-------|-----|----|------|------|----|----|-----|----|-------|
| JUL 5 | 1P | ZNE | 06 | 00 | 40 | | | | | |
| 8 | 1PKP | ZNE | 18 | 09 | 05 | | | | | |
| 9 | eL | ZNE | 10 | 12.5 | | 1 | 19 | 1.5 | 16 | |
| 9 | 1P | ZNE | 19 | 07 | 14 | | | | | d |
| 10 | eP | ZNE | 04 | 38 | 10 | | | | | |
| 10 | ePKP | ZNE | 05 | 41 | 54 | | | | | |
| | PP | Z | | 42 | 45 | | | | | |
| | SS | ZE | 06 | 00 | 36 | | | | | |
| | L | ZN | | 21 | | | | | | |
| | M | ZN | | 28 | | 3 | 21 | 3 | 21 | |
| 10 | 1P | ZNE | 11 | 59 | 35 | | | | | d |
| 10 | 1P | ZNE | 16 | 57 | 24 | | | | | u |
| | PcP | Z | | 59 | 06 | | | | | |
| 11 | 1P | ZN | 17 | 59 | 40 | | | | | u |
| 11 | 1P | ZNE | 23 | 19 | 55.5 | | | | | d |
| 12 | 1P | ZNE | 08 | 04 | 19 | | | | | d |
| | pP | ZNE | | 06 | 22 | | | | | |
| 14 | 1P | ZNE | 00 | 11 | 02 | | | | | d |
| | eS | NE | | 18 | 10 | | | | 5 | 13 |
| | ScS | E | | 20 | 58 | | | | | |
| | SS | NE | | 21 | 44 | | | | | |
| | L | ZNE | | 24 | | | | | | |
| | M | ZNE | | 31 | | 3 | 17 | 4 | 16 | 4 12 |
| 14 | eP | ZNE | 04 | 07 | 52 | | | | | |
| 14 | Lq | NE | 06 | 27 | | | | | | |
| | Lr | ZNE | | 31 | | | | 1.5 | 60 | |
| | M | ZNE | | 42 | | 11 | 19 | 5 | 18 | 10 19 |
| 14 | 1P | ZNE | 14 | 37 | 01 | | | | | u |
| | L | Z | | 52 | | 1 | 21 | | | |
| 14 | 1P | ZNE | 17 | 13 | 46 | | | | | d |
| | pP | ZN | | 14 | 20 | | | | | |
| | PcP | Z | | 15 | 53 | | | | | |
| | PP | Z | | 16 | 07 | | | | | |
| | PcS | ZNE | | 19 | 27 | | | | | |
| 14 | 1P | ZNE | 19 | 29 | 45 | | | | | u |
| 15 | 1P | Z | 00 | 50 | 14 | | | | | u |
| 16 | ePKP? | ZNE | 18 | 46 | 01 | | | | | |
| | ePKP | ZNE | | 34 | | | | | | |
| | PP | ZNE | | 49 | 34 | | | | | |
| | L | ZNE | 19 | 32 | | | | | | |
| | M | ZNE | | 50 | | 7 | 19 | 8 | 18 | 6 19 |
| 16 | eP | ZNE | 19 | 17 | 08 | | | | | |
| 17 | 1P | ZNE | 03 | 33 | 47 | | | | | u |
| | pP | ZNE | | 57 | | | | | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|--------|-------------|------|----|------|-----|----|-----|----|------|----|
| JUL 17 | 1P Z | 07 | 13 | 45 | | | | | | u |
| 18 | 1P ZNE | 05 | 05 | 52 | | | | | | d |
| | PcP ZN | 07 | 29 | | | | | | | |
| | eS ZNE | 12 | 11 | | | | | | | |
| | SS ZNE | 14 | 50 | | | | 2 | 14 | 5 | 12 |
| | Lq E | 16 | | | | | | | 13 | 24 |
| | Lr ZNE | 18 | | | 3 | 15 | 3 | 18 | 2 | 40 |
| | | | | | | | | | 4 | 15 |
| 19 | ePKP ZNE | 06 | 05 | 01 | | | | | | |
| | Lr ZNE | 58 | | | | | | | | |
| | M ZNE | 07 | 10 | | 1.5 | 19 | 2 | 18 | 1 | 19 |
| 19 | ePKP ZNE | 06 | 05 | 37 | | | | | | |
| | ePP Z | 08 | 54 | | | | | | | |
| | ePS Z | 19 | 09 | | | | | | | |
| 20 | eP ZNE | 06 | 40 | 56 | | | | | | |
| | eS ZNE | 45 | 00 | | | | 24 | 37 | 50 | 43 |
| | eL ZNE | 46.7 | | | | | | | | |
| | M ZNE | 48.5 | | | 23 | 28 | 11 | 38 | 16 | 31 |
| 22 | eP ZNE | 00 | 40 | 38 | | | | | | |
| | e Z | 41 | 57 | | | | | | | |
| | eS N | 50 | 16 | | | | | | | |
| | e ZN | 58 | 19 | | | | | | | |
| | Lr ZN | 01 | 03 | 41 | | | | | | |
| | M ZN | 08 | | | 1.5 | 20 | 1.5 | 20 | | |
| 23 | eP ZNE | 19 | 50 | 20 | | | | | | |
| | eS ZNE | 55 | | | | | | | | |
| 24 | eP ZNE | 16 | 57 | 59 | | | | | | |
| 24 | eP ZNE | 18 | 58 | 16 | | | | | | |
| 24 | eP ZNE | 19 | 15 | 37 | | | | | | |
| 26 | eP ZNE | 00 | 15 | 44 | | | | | | |
| | eS ZNE | 16 | 15 | | | | | | | |
| 26 | ePKP (Lr) Z | 04 | 36 | 40 | | | | | | |
| | ZNE | 05 | 27 | 30 | 1 | 20 | 1 | 20 | 1.5 | 20 |
| 26 | 1P ZNE | 05 | 36 | 59.5 | | | | | | u |
| 28 | P ZNE | 07 | 21 | 00 | | | | | | |
| 28 | P ZNE | 08 | 06 | 46 | | | | | | |
| 28 | P ZNE | 09 | 51 | 33 | | | | | | |
| | (s) NE | 52 | 08 | | | | | | | |
| 28 | 1P ZNE | 16 | 43 | 51.5 | | | | | | u |
| 29 | P ZNE | 20 | 22 | 49 | 9 | 3 | 2.5 | 2 | 1.5 | 1 |
| | S ZNE | 29 | 57 | | | | 2.5 | 14 | 11.5 | 16 |
| | Lq NE | 35 | 58 | | | | 7 | 16 | 19 | 16 |
| | Lr ZN | 38 | 00 | | 7 | 22 | | | | |
| 29 | P ZNE | 20 | 25 | 19 | 12 | 1 | 5 | 2 | 3 | 2 |
| | S NE | 32 | 26 | | | | 6 | 16 | 15 | 16 |
| | Lq NE | 38 | 18 | | | | 9 | 17 | 17 | 17 |
| | Lr ZN | 41 | 15 | | 15 | 20 | 13 | 16 | | |

| Date | Phase | h | m | s | Az | Tz | An | Tn | Ae | Te |
|--------|---------|----|------|------|-----|----|----|----|----|----|
| JUL 29 | P ZNE | 23 | 27 | 24 | | | | | | |
| 30 | P ZNE | 03 | 06 | 12 | | | | | | |
| 30 | P Z | 04 | 36 | 07 | | | | | | |
| 30 | P ZNE | 05 | 54 | 37 | | | | | | |
| | S ZNE | 06 | 01 | 44 | 3.5 | 7 | | | | |
| | Lq E | 07 | 27 | | | | 14 | 15 | 18 | 16 |
| | Lr ZN | 08 | 50 | | | | | | 12 | 13 |
| 30 | P Z | 13 | 07 | 29 | | | | | | |
| 30 | 1P ZNE | 14 | 00 | 21.6 | | | | | | u |
| | PcP ZNE | 02 | 08 | | | | | | | |
| 30 | 1P ZNE | 14 | 31 | 57.5 | | | | | | u |
| 30 | P ZNE | 15 | 13 | 18 | | | | | | |
| 31 | eP ZNE | 15 | 29 | 37.4 | | | | | | |
| 3 | 1P ZNE | 03 | 58 | 40.3 | | | | | | u |
| 3 | eP ZNE | 10 | 39 | 28 | | | | | | |
| 3 | 1P ZNE | 20 | 34 | 40.6 | | | | | | u |
| 4 | 1P ZNE | 09 | 22 | 47.9 | | | | | | u |
| 5 | eP ZNE | 00 | 03 | 37.5 | | | | | | u |
| | e Z | 04 | 15 | | | | | | | |
| | esP Z | 05 | 27 | | | | | | | |
| 5 | eP ZNE | 15 | 43 | 11 | | | | | | |
| | eS ZN | 46 | 48 | | | | | | | |
| | eLq ZNE | 47 | | | 20 | 20 | 18 | 17 | 15 | 15 |
| | eLr ZNE | 49 | | | 15 | 14 | 25 | 11 | 50 | 12 |
| 5 | eP ZNE | 18 | 54 | 18 | | | | | | |
| | eS NE | 53 | | | | | | | | |
| 6 | eP ZNE | 02 | 50 | 33 | | | | | | |
| 7 | eP ZNE | 04 | 35 | 53 | | | | | | |
| 7 | 1P ZNE | 11 | 24 | 08.6 | | | | | | |
| 7 | 1P Z | 11 | 25 | 50.0 | | | | | | |
| 7 | eP ZNE | 17 | 21 | 41 | | | | | | |
| 8 | eP ZNE | 06 | 41 | 41 | | | | | | |
| 9 | eP ZNE | 14 | 47 | 13.9 | | | | | | |
| | eS E | 55 | 50 | | | | | | | |
| | eLq ZNE | 15 | 03 | | | | | | | |
| | eLr NE | 06 | | | | | | | | |
| 11 | eP ZNE | 01 | 38.6 | | | | | | | |
| 11 | eP ZNE | 10 | 13 | 59.2 | | | | | | |
| 12 | eP ZNE | 21 | 22 | 22.3 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|----------|--------------|----|----|----|----|----|----|
| AUG 13 | iP ZE | 06 38 18.8 u | | | | | | |
| 13 | iP ZNE | 22 02 39.0 u | | | | | | |
| | eL ZNE | 21 | | | | | | |
| 14 | eP ZNE | 02 56 28 | | | | | | |
| 14 | eP ZNE | 03 44 01 | | | | | | |
| | e(aP) Z | 15 | | | | | | |
| | e Z | 35 | | | | | | |
| 14 | eP ZNE | 14 44 09 | | | | | | |
| | epP Z | 38 | | | | | | |
| 14 | eP ZNE | 18 55 42.7 | | | | | | |
| | L Z | 19 25 | | | | | | |
| 15 | ePKP ZNE | 06 30 12 | | | | | | |
| | ePP Z | 31.5 | | | | | | |
| | ePS ZN | 41 04 | 4 | 22 | 3 | 20 | | |
| | eSS NE | 47.4 | | | 4 | 25 | | |
| | eLq NE | 07 01 | | | 4 | 60 | 6 | 62 |
| | eLr ZNE | 08 | 8 | 40 | 5 | 35 | 3 | 30 |
| 15 | iP ZE | 17 36 36.3 d | 12 | 7 | | | 4 | 10 |
| | e ZNE | 38.6 | 40 | 8 | 6 | 12 | 15 | 10 |
| | ePP Z | 40.2 | 13 | 8 | | | | |
| | eS ZNE | 46.2 | 45 | 17 | 37 | 16 | 40 | 15 |
| | eLq N | 47 | | | | | | |
| | eLr Z | 50 | 30 | 30 | | | | |
| 16 | iP Z | 23 19 20.7 d | | | | | | |
| 17 | ePKP Z | 11 31 12 | | | | | | |
| | ePP Z | 51 | | | | | | |
| 17 | eP ZNE | 11 36 54 | | | | | | |
| 18 | eP ZNE | 01 50 48 | | | | | | |
| | eS ZNE | 51 24 | | | | | | |
| 18 | eP Z | 19 02 19½ | | | | | | |
| 18 | eP ZNE | 20 28 07 | | | | | | |
| 18 | eP ZNE | 20 36 08 | | | | | | |
| 19 | eP ZNE | 04 32 26 | | | | | | |
| 19 | eP ZNE | 09 59 19 | | | | | | |
| 19 | eP ZNE | 19 21 21 | | | | | | |
| 20 | eP Z | 07 05 22 | | | | | | |
| 20 | eP Z | 07 05 22 | | | | | | |
| 20 | eP Z | 09 29 32 | | | | | | |
| 20 | eP Z | 19 52 36 | | | | | | |
| 22 | iP ZNE | 20 03 26 | 2 | 6 | | | | |
| | e ZN | 04 06 | 2 | 9 | 2 | 8 | | |
| | eS NE | 12 34 | | | 4 | 15 | 5 | 16 |
| | eSS E | 17.0 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| | eLq E | 20.2 | | | | | 15 | 33 |
| | eLr ZNE | 22.3 | 9 | 25 | 13 | 21 | 9 | 15 |
| 24 | eP ZNE | 02 20 33 | | | | | | |
| 24 | eP Z | 03 26 45 | | | | | | |
| 25 | iP ZNE | 12 27 32.2 d | | | | | | |
| | e(P) ZN | 30.5 | 6 | 11 | 4 | 11 | | |
| | ePPP Z | 31 36 | | | | | | |
| | eS ZNE | 35 11 | 8 | 10 | 9 | 15 | 50 | 15 |
| | e E | 36.5 | | | | | 30 | 16 |
| | e E | 38.5 | | | | | 11 | 20 |
| | e NE | 42.6 | | | 29 | 25 | 33 | 40 |
| 26 | eP Z | 05 54 35 | | | | | | |
| 28 | eP Z | 12 52 08 | | | | | | |
| 29 | ePKP ZNE | 09 12 55 | | | | | | |
| | eL ZE | 54 | | | | | | |
| 29 | iP ZNE | 15 43 20.0 d | 8 | 8 | | | 3 | 8 |
| | ePP Z | 46.6 | 4 | 8 | | | | |
| | eS NE | 54.0 | | | | | 10 | 25 |
| | ePS ZE | 55.1 | 2 | 12 | | | 5 | 10 |
| | ePPS ZE | 55.6 | 12 | 22 | | | 17 | 28 |
| | e ZNE | 59.4 | | | | | 15 | 35 |
| 29 | eP ZNE | 21 07 59 | | | | | | |
| 30 | eP Z | 00 28 16 | | | | | | |
| 30 | eP ZNE | 14 01 24 | | | | | | |
| 4 | eP Z | 04 58 05 | | | | | | |
| 4 | ePKP ₁ Z | 13 52 11 | | | | | | |
| | ePKP ₂ Z | 53 13 | | | | | | |
| | eSKP ₂ Z | 55 56 | | | | | | |
| 6 | eP Z | 01 50 40 | | | | | | |
| 6 | e Z | 02 32 31 | | | | | | |
| 6 | ePP ZNE | 06 23 40 | | | | | | |
| 6 | iP ZNE | 10 25 19.3 | | | | | | |
| | e Z | 26 15 | | | | | | |
| | epP Z | 27 06 | | | | | | |
| 6 | eP Z | 12 05.0 | | | | | | |
| 7 | eP Z | 09 03 58½ | | | | | | |
| | e Z | 04 27 | | | | | | |
| 8 | eP ZNE | 00 56 23 | | | | | | |
| 8 | eP Z | 09 15 50 | | | | | | |
| 8 | eP Z | 11 53 18 | | | | | | |
| 8 | eP ZN | 19 39 29 | | | | | | |
| 8 | iP ZNE | 19 59 09.8 u | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---|--|-------------|---------|------------------|---------------------|----|----|
| SEP | eS NE eScS E e(SS) E e(SSS) E | 20 06 11 08 08 09.5 13.0 | | | | | | |
| 9 | 1P ZNE ePP Z eS NE eSS N eLr ZN | 02 57 18.8 u 03 00.1 06 54 12.1 20 | 4 2 7 | 5 10 | 3 4 3 5 | 7 12 10 16 | 7 | 10 |
| 9 | eP ZNE | 13 02 25 | | | | | | |
| 10 | eP ZNE | 01 20 15 | | | | | | |
| 10 | eP ZNE | 19 24 23 | | | | | | |
| 11 | eP NE | 09 11 28 | | | | | | |
| 12 | eP Z | 03 21 24½ | | | | | | |
| 13 | eP ZNE | 18 22 36 | | | | | | |
| 13 | e ZNE e ZNE e ZNE | 21 18 13 19 18 20 35 | | | | | | |
| 13 | eP ZNE e(pP) ZN | 23 42 05 11 | | | | | | |
| 14 | eP ZNE | 00 27 35 | | | | | | |
| 14 | eP ZNE | 00 30 22½ | | | | | | |
| 14 | eP ZNE eL ZN | 00 46 37 01 00.0 | | | | | | |
| 14 | 1P ZNE i Z e ZNE ePP Z | 04 00 46.2 u 53.4 01 07 02 20 | | | | | | |
| 15 | eP ZNE | 00 57 47 | | | | | | |
| 15 | eP Z | 02 10 39 | | | | | | |
| 15 | eP ZNE | 09 18 42 | | | | | | |
| 15 | eP ZNE | 11 55 15 | | | | | | |
| 16 | eP Z | 20 15 57 | | | | | | |
| 17 | eP ZNE | 06 07 03 | | | | | | |
| 17 | eP ZNE | 19 31 05 | | | | | | |
| 18 | ePKP Z | 17 17 36 | | | | | | |
| 18 | eP Z | 17 29 39 | | | | | | |
| 19 | eP Z | 19 39 26 | | | | | | |
| 20 | eP Z | 22 23 23.5 | | | | | | |
| 22 | eP Z | 03 06 22 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| SEP 22 | eP Z | 19 31 56 | | | | | | |
| 23 | eP Z | 06 53 00 | | | | | | |
| 23 | eP ZNE | 09 14 19 | | | | | | |
| 24 | eP Z | 08 08 22 | | | | | | |
| 24 | e Z | 08 41 00 | | | | | | |
| 24 | e Z | 09 26 01 | | | | | | |
| 24 | 1P ZNE epP Z ePP Z eS N eSS N eLq N eLr ZNE | 16 42 43.8 d 43 09 46 00 53 14 59.0 17 06.8 09.8 | 4 4 1 | 5 4 4 | | | | |
| 25 | 1P ZNE | 07 16 17.0 | | | | | | |
| 25 | eP Z | 14 11 50 | | | | | | |
| 25 | eP Z | 15 01 16 | | | | | | |
| 26 | ePKP Z | 05 47 10 | | | | | | |
| 26 | eP Z | 06 06 23 | | | | | | |
| 26 | eP Z | 20 47 38½ | | | | | | |
| 27 | eP Z | 10 38 15 | | | | | | |
| 27 | eP Z | 11 17 27 | | | | | | |
| 27 | eP Z | 11 36 05 | | | | | | |
| 28 | eP ZNE | 00 40 20½ | | | | | | |
| 28 | eP Z | 03 43 38 | | | | | | |
| 28 | 1P ZNE i Z i Z | 07 06 01.0 u 07 24.7 10 33.0 | | | | | | |
| 28 | 1P ZNE | 23 21 35.1 d | | | | | | |
| 29 | eP ZNE eL ZNE | 02 58 48 03 02 45 | 18 | 12 | 16 | 11 | 18 | 12 |
| 29 | eP ZNE | 10 15 28½ | | | | | | |
| 29 | eP Z | 12 12 41 | | | | | | |
| 29 | eP ZNE | 19 47 35 | | | | | | |
| 29 | ePKP Z e Z | 22 35 53 56 | | | | | | |
| 30 | eP Z | 09 06 18 | | | | | | |
| 1 | eP Z | 03 19 53 | | | | | | |
| 2 | eP Z | 03 42 50 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|-----------|------------|----|----|----|----|----|----|
| OCT 2 | eP ZNE | 05 56 58 | | | | | | |
| 3 | eP Z | 03 05 18 | | | | | | |
| 3 | eP ZNE | 15 56 20 | | | | | | u |
| | eS E | 16 03 08 | | | | | | |
| | eSS ZE | 06 09 | | | | | | |
| 3 | eP ZNE | 18 03 57½ | | | | | | d |
| 3 | ePKP Z | 23 43 06 | | | | | | |
| | ePP Z | 56 | | | | | | |
| 4 | eP ZN | 02 57 25 | | | | | | d |
| 4 | eP Z | 03 52 32 | | | | | | |
| 5 | 1P Z | 00 25 16.7 | | | | | | |
| 5 | 1P Z | 02 05 54.5 | | | | | | u |
| 5 | eP ZN | 05 25 57 | | | | | | u |
| 6 | eP ZNE | 17 25 56 | | | | | | d |
| 7 | eP ZNE | 13 23 04 | | | | | | u |
| | eS NE | 30 08 | | | | | | |
| | e(ScS) NE | 31 59 | | | | | | |
| 8 | eP ZNE | 00 27 33 | | | | | | |
| | eL ZN | 46.0 | | | | | | |
| 8 | eP Z | 13 21 37 | | | | | | |
| 9 | eP ZNE | 05 23 32 | | | | | | |
| 9 | eP Z | 10 25 41 | | | | | | |
| 9 | eP ZNE | 10 46 46 | | | | | | u |
| 10 | eP Z | 01 01 56 | | | | | | |
| 10 | eP ZNE | 14 26 51 | | | | | | u |
| 11 | eP ZNE | 16 43 13 | | | | | | |
| 12 | eP Z | 03 48 00 | | | | | | |
| 12 | ePKP Z | 11 45 50 | | | | | | |
| | ePP ZNE | 47 40 | 5 | 15 | 3 | 15 | 2 | 12 |
| | eSKS N | 53 09 | | | 3 | 20 | | |
| | eSKKS N | 54 45 | | | 6 | 20 | | |
| | ePKKP E | 55 39 | | | | | 5 | 15 |
| | ePS ZNE | 57 35 | 6 | 20 | 12 | 22 | | |
| | ePPS ZN | 58 58 | 8 | 25 | 9 | 20 | | |
| | eSKKS Z | 12 03 25 | 5 | 20 | | | | |
| | eSS ZE | 04 10 | 4 | 23 | | | 2 | 25 |
| | eSSP N | 40 | | | 30 | 34 | | |
| | eSSS N | 08.9 | | | 15 | 25 | | |
| | eLq E | 18.3 | | | | | 30 | 37 |
| | eLr Z | 24.3 | 14 | 35 | | | | |
| 13 | eP ZN | 05 33.5 | | | | | | |
| | ePKP ZNE | 36 47 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|------|---------------------|----------|----|-----|----|-----|----|----|
| | ePP ZN | 38 36 | 10 | 12 | 7 | 12 | | |
| | eLr ₄ ZN | 10 23 | 22 | 217 | 15 | 210 | | |
| 13 | ePKP Z | 13 17 13 | | | | | | |
| 13 | ePKP Z | 16 18 47 | | | | | | |
| | ePKKP Z | 28 37 | | | | | | |
| 13 | ePKP Z | 18 33 50 | | | | | | |
| 13 | ePKP Z | 22 13 51 | | | | | | |
| 14 | ePKP Z | 00 11 15 | | | | | | |
| 14 | ePKP Z | 04 24 54 | | | | | | |
| 14 | ePKP Z | 08 13 25 | | | | | | |
| 14 | ePKP Z | 13 40 35 | | | | | | |
| 14 | eP Z | 15 43 36 | | | | | | |
| 14 | eP Z | 22 18 39 | | | | | | |
| 14 | eP Z | 23 09 16 | | | | | | |
| 15 | eP ZNE | 07 16 52 | | | | | | |
| 15 | ePKP Z | 09 21 02 | | | | | | |
| 15 | ePKP Z | 09 51 02 | | | | | | |
| 15 | ePKP Z | 11 06 04 | | | | | | |
| 15 | eP Z | 14 06 30 | | | | | | |
| 15 | eP ZNE | 21 56 52 | | | | | | |
| 16 | ePKP Z | 05 34 44 | | | | | | |
| 16 | eP Z | 12 59 44 | | | | | | |
| 16 | eP Z | 14 05 56 | | | | | | |
| 16 | ePKP ZNE | 15 02 06 | | | | | | |
| | eSKP Z | 05 35 | | | | | | |
| 17 | eP Z | 11 45 40 | | | | | | |
| 17 | eP Z | 14 26 57 | | | | | | |
| 18 | e? Z | 04 55 31 | | | | | | |
| 18 | ePKP Z | 18 14 53 | | | | | | |
| 19 | eP Z | 02 26 12 | | | | | | |
| 19 | ePKP Z | 02 37 34 | | | | | | |
| 19 | ePKP Z | 03 53 17 | | | | | | |
| 19 | ePKP Z | 04 06 05 | | | | | | |
| 19 | eP Z | 09 15 17 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| OCT 19 | ePKP Z | 16 34 06 | | | | | | |
| 20 | eP ZNE | 00 32 57 | | | | | | |
| 20 | ePKP ZNE | 01 12 02 | | | | | | |
| 20 | eP ZNE | 02 06 14 | | | | | | |
| 20 | eP ZNE | 03 09 07 | | | | | | |
| 20 | ePKP ZNE | 09 29 37 | | | | | | |
| 20 | ePKP Z | 12 11 12 | | | | | | |
| 20 | ePKP Z | 13 19 03 | | | | | | |
| 20 | ePKP Z | 18 17 50 | | | | | | |
| 21 | eP Z | 02 41 20 | | | | | | |
| 21 | eP Z | 09 28 16 | | | | | | |
| 21 | ePKP ZNE | 15 57 16 | | | | | | |
| 21 | ePKP Z | 17 39 36 | | | | | | |
| 21 | ePKP Z | 23 48 11 | | | | | | |
| 22 | ePKP Z | 03 36 07 | | | | | | |
| 22 | ePKP Z | 03 44 31 | | | | | | |
| 22 | eP Z | 15 46 07 | | | | | | |
| 23 | eP Z | 04 34 43 | | | | | | |
| 23 | eP Z | 06 42 44 | | | | | | |
| 23 | ePKP Z | 10 05 54 | | | | | | |
| 24 | eP ZNE | 07 38 28 | | | | | | |
| | eLr ZNE | 08 04 | | | | | | |
| 25 | eP ZNE | 01 34 40 | | | | | | |
| 25 | e Z | 20 12 15 | | | | | | |
| 26 | ePKP Z | 05 20 24 | | | | | | |
| 26 | ePKP Z | 06 18 35 $\frac{1}{2}$ | | | | | | |
| 26 | ePKP Z | 11 40 40 | | | | | | |
| 26 | 1P ZNE | 12 44 06.6 u | | | | | | |
| 26 | eP ZNE | 19 07 00 | | | | | | |
| 26 | eP Z | 22 52 54 | | | | | | |
| 27 | eP Z | 10 48 24 | | | | | | |
| 27 | eP ZNE | 18 34 08 | | | | | | |
| 27 | ePKP Z | 20 24 30 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| OCT 28 | eP ZNE | 08 04 37.5 | | | | | | |
| 28 | eP ZNE | 11 28 26 | | | | | | |
| 28 | ePKP ZE | 12 22 26 | | | | | | |
| 28 | eP ZNE | 19 24 37 | | | | | | |
| 28 | eP ZNE | 20 07 49 | | | | | | |
| 29 | 1P ZNE | 16 00 32.7 d | | | | | | |
| | e Z | 01 14 | | | | | | |
| 29 | eP ZNE | 17 04 54 | | | | | | |
| 29 | eP ZNE | 20 31 23 | | | | | | |
| 29 | eP ZNE | 22 32 03 | | | | | | |
| 30 | eP Z | 01 30 33 | | | | | | |
| 30 | eP Z | 05 40 34 | | | | | | |
| 31 | eP ZNE | 03 27 26 | | | | | | |
| | eS N | 35 27 | | | | | | |
| 31 | eP Z | 04 34 22 | | | | | | |
| 31 | eP Z | 09 00 54 | | | | | | |
| 31 | eP Z | 10 58 19 | | | | | | |
| NOV 1 | eP ZNE | 21 09 02 | | | | | | |
| 1 | ePKP Z | 23 00 14 | | | | | | |
| 2 | eP Z | 21 46 52 | | | | | | |
| 2 | eP Z | 22 33 13 | | | | | | |
| 3 | eP ZNE | 03 23 19 | | | | | | |
| | ePP Z | 26 58 | | | | | | |
| | eS NE | 34.1 | | | | | 2 | 15 |
| | eSP ZE | 35.6 | 3 | 12 | | | | |
| | eSS N | 40.6 | | | | | | |
| | eLq N | 49.0 | | | | 4 | 35 | |
| | eLr ZNE | 53.7 | 7 | 24 | | 3 | 27 | 10 22 |
| 3 | eP Z | 07 50 15 | | | | | | |
| 3 | eP ZNE | 14 42 26 | | | | | | |
| 4 | 1P ZNE | 01 24 44.2 u | | | | | | |
| | ePP Z | 27 06 | | | | | | |
| 4 | eP ZNE | 01 28 35 | | | | | | |
| 4 | eP Z | 05 34 25.5 | | | | | | |
| 4 | eP Z | 15 24 54 | | | | | | |
| 4 | eP Z | 18 32 05 | | | | | | |
| 4 | eP Z | 22 28 29 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
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| NOV 5 | eP Z | 05 27 49 | | | | | | |
| 5 | eP Z | 09 42 30 | | | | | | |
| 5 | eP Z | 23 19 21 | | | | | | |
| 5 | eP Z | 00 05 18 | | | | | | |
| 6 | eP Z | 01 25 48 | | | | | | |
| 6 | eP ZNE | 02 25 07 | 6 | 6 | 3 | 7 | | |
| | eS ZNE | 35 00 | 2 | 10 | 4 | 8 | 2 | 8 |
| | eLr ZNE | 50.0 | 15 | 25 | 14 | 24 | 6 | 15 |
| | | | | | | | 12 | 27 |
| 6 | eP Z | 03 07 46 | | | | | | |
| 6 | eP Z | 03 12 02 | | | | | | |
| 6 | eP Z | 04 18 38 | | | | | | |
| 6 | eP Z | 06 36 52 | | | | | | |
| 6 | eP Z | 07 47 16 | | | | | | |
| 6 | iP ZNE | 09 12 35.8 | | | | | | |
| 6 | ePKP Z | 09 43 46 | | | | | | |
| 6 | eP Z | 11 04 48 | | | | | | |
| 6 | eP Z | 11 44 48 | | | | | | |
| 6 | eP Z | 18 44 21 | | | | | | |
| 7 | eP Z | 02 54 43 | | | | | | |
| 7 | eP Z | 16 03 08 | | | | | | |
| 7 | eP Z | 16 37 19 | | | | | | |
| 7 | eP Z | 17 44 22 | | | | | | |
| 8 | eP Z | 04 33 42 | | | | | | |
| 8 | eP Z | 10 11 47.5 | | | | | | |
| 9 | eP Z | 01 23 47 | | | | | | |
| 9 | eP Z | 05 49 15 | | | | | | |
| 9 | ePKP Z | 09 10 13 | | | | | | |
| 9 | eP ZNE | 21 27 18 | 20 | 10 | 5 | 10 | | |
| 10 | eP ZNE | 01 12 26 | 2 | 10 | | | | |
| 10 | ePKP Z | 17 36 37 | | | | | | |
| 10 | eP Z | 19 28 50.5 | | | | | | |
| 11 | eP Z | 00 26 24 | | | | | | |
| 11 | iP ZNE | 11 39 07.8 | | | | | | |
| 11 | eP ZNE | 20 05 57 | | | | | | |
| 12 | eP Z | 06 16 53 | | | | | | |
| 12 | eP Z | 12 53 35 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|----------|------------|----|----|----|----|----|----|
| NOV 12 | eP Z | 21 57 43 | | | | | | |
| 13 | eP ZNE | 11 27 09 | | | | | | |
| 13 | eP Z | 17 28 25 | | | | | | |
| 14 | eP Z | 04 45 58 | | | | | | |
| 14 | eP Z | 14 11 27 | | | | | | |
| 14 | eP Z | 14 15 44 | | | | | | |
| 14 | eP Z | 23 47 59 | | | | | | |
| 15 | ePKP ZNE | 21 25 25 | | | | | | |
| | ePKP Z | 35 25 | | | | | | |
| 16 | eP ZNE | 06 55 31 | | | | | | |
| 16 | eP ZNE | 22 53 06 | | | | | | |
| 16 | eP ZNE | 23 49 38 | | | | | | |
| 17 | ePP Z | 01 07 01 | | | | | | |
| 17 | eP ZNE | 00 58 37 | | | | | | |
| 17 | eP ZNE | 01 23 12.5 | | | | | | |
| 17 | eP ZNE | 13 23 14.5 | | | | | | |
| 20 | eP ZNE | 04 18 32 | | | | | | |
| 20 | eP Z | 12 09 39 | | | | | | |
| 26 | eP Z | 03 07 40 | | | | | | |
| 26 | eP Z | 07 03 31 | | | | | | |
| 26 | eP ZNE | 23 00 24 | | | | | | |
| 27 | eP ZNE | 02 31 44.5 | | | | | | |
| 27 | eP? Z | 14 11 26 | | | | | | |
| 28 | eP ZNE | 15 18 33 | | | | | | |
| | esP Z | 47 | | | | | | |
| 29 | eP ZNE | 10 32 34 | | | | | | |
| 29 | eP ZNE | 19 04 47 | | | | | | |
| 30 | eP ZNE | 10 00 13.5 | | | | | | |
| | epP Z | 31 | | | | | | |
| 1 | eP Z | 12 03 38 | | | | | | |
| 1 | eP Z | 16 55 05 | | | | | | |
| 3 | eP ZNE | 21 25 56 | | | | | | |
| 3 | eP ZNE | 21 40 49 | | | | | | |
| 3 | eP ZNE | 23 15 23 | | | | | | |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|-------|----------|--------------------------|----|----|----|----|----|----|
| DEC 4 | eP Z | 00 24 05 | | | | | | |
| 4 | eP ZNE | 16 09 18 | | | | | | |
| | eS NE | 17.0 | | | | | | |
| | eLq N | 22 40 | | | | | | |
| | eLr ZE | 25 45 | 8 | 25 | 10 | 27 | 4 | 30 |
| 9 | eP Z | 11 02 47 | | | | | 7 | 27 |
| 10 | eP Z | 03 42 21 | | | | | | |
| | eS NE | 51 26 | | | | | | |
| 10 | iP ZNE | 06 38 53.7 d | | | | | | |
| | ePP Z | 40 37 | | | | | | |
| | eS N | 45 15 | | | | | | |
| | ePPS NE | 46 12 | | | | | | |
| | eSS N | 48 42 | | | | | | |
| 11 | eP Z | 00 58 18 | 1 | 8 | | | | |
| | e Z | 34 | 1 | 5 | | | | |
| | e(PS) NE | 01 07 08 | | | 1 | 10 | 1 | 8 |
| | eLr ZN | 16.8 | 3 | 26 | 2 | 27 | | |
| 11 | eP Z | 02 40 39 | | | | | | |
| | e(PP) Z | 42 31 | | | | | | |
| 15 | eP ZNE | 19 45 46 | 4 | 6 | | | | |
| | pP Z | 48 01 | 8 | 12 | | | | |
| | S ZNE | 54 27 | 23 | 8 | 14 | 9 | 50 | 12 |
| | sS N | 58 55 | | | | | | |
| 16 | eP ZNE | 02 03 28 | 2 | 6 | | | | |
| | S NE | 13 40 | | | 2 | 12 | 1 | 11 |
| | Lq NE | 23.6 | | | 5 | 22 | 5 | 24 |
| | Lr ZNE | 24.0 | 9 | 18 | 5 | 18 | 7 | 18 |
| 16 | eP ZNE | 14 24 35 | 2 | 4 | | | | |
| | L ZNE | 32 | 3 | 24 | 4 | 21 | 4 | 22 |
| 18 | eP ZNE | 00 39 25 | | | | | | |
| 19 | eP Z | 17 16 54.5 | | | | | | |
| 21 | eP Z | 12 44 06 | | | | | | |
| 24 | eP Z | 11 28 49 $\frac{1}{2}$ | | | | | | |
| 24 | eP Z | 21 11 17 | | | | | | |
| | eS NE | 15 50 | | | | | | |
| 28 | eP Z | 04 44 15 $\frac{1}{2}$ | | | | | | |
| 28 | iP Z | 05 56 44 $\frac{1}{2}$ u | | | | | | |
| | e ZN | 57 08 | | | | | | |
| | eS NE | 06 13 | | | 3 | 8 | 4 | 10 |
| | e NE | 38 | | | 3 | 8 | 4 | 16 |
| 28 | eP ZNE | 09 12 14 | | | | | | |
| | i Z | 20 d | | | | | | |
| | ePcP Z | 13 48 | | | | | | |
| | eScP Z | 17 36 | | | | | | |
| | eS NE | 18 58 | | | 2 | 12 | 3 | 12 |
| | eScS NE | 22 01 | | | 6 | 10 | 4 | 9 |

| Date | Phase | h m s | Az | Tz | An | Tn | Ae | Te |
|--------|--------|----------|----|----|----|----|----|----|
| DEC 28 | eP ZNE | 18 06 05 | | | | | | |
| | ePP N | 07 38 | | | | | | |
| | eS NE | 12 18 | | | 3 | 13 | 2 | 14 |
| | eSS NE | 15 15 | | | | | | |
| | eScS N | 16 24 | | | | | | |
| | eL NE | 19 | | | 9 | 23 | 12 | 16 |
| 29 | eP ZNE | 17 27 31 | | | | | | |
| 30 | ePKP Z | 13 48 19 | | | | | | |
| 30 | eP ZNE | 15 17 04 | | | | | | |
| 31 | eP ZNE | 17 45 52 | | | | | | |
| | e Z | 46 08 | | | | | | |
| | e N | 52 | | | | | | |

INSTRUMENTALLY DETERMINED EPICENTRES

The following list includes the epicentres of all instrumentally recorded earthquakes of magnitude 4 and above, together with those shocks of lesser magnitude reported to have been felt. Reports that cannot be verified, either instrumentally or by an independent observation, are tabulated separately in the index of felt earthquakes. An explanation of the notation will be found at the beginning of the section 'Station Readings'. These epicentres have been plotted on the folding maps at the back of the bulletin.

| No. | Date | h m s | Epicentre | Depth | Mag. | Class |
|-------|-------|----------|--------------------|--------|------|-------|
| 63/ 1 | JAN 1 | 02 35 54 | 37.9 S 176.5 E | 185 km | 4.4 | C |
| 2 | 1 | 12 19 43 | 37.6 S 176.8 E | 220 km | 4.3 | B |
| 3 | 1 | 19 57 57 | 38.85 S 174.70 E | 220 km | 4.4 | C |
| 4 | 2 | 12 46 11 | 45.2 S 169.2 E | N | 3.1 | D |
| 5 | 3 | 14 28 18 | 39.8 S 174.4 E | 210 km | 4.5 | C |
| 6 | 4 | 06 43 38 | 33.2 S 178 W | N | 5.3 | D |
| 7 | 9 | 23 38 50 | 38.55 S 176.3 E | S | 2.6 | C |
| 8 | 11 | 07 21 58 | 43.8 S 168.0 E | N | 4.2 | C |
| 9 | 11 | 17 50 45 | 41.3 S 174.1 E | N | 3.8 | C |
| 10 | 12 | 03 02 51 | 39.9 S 174.4 E | N | 3.3 | D |
| 11 | 13 | 23 47 37 | 34.2 S 178.2 W | N | 4.7 | D |
| 12 | 16 | 01 07 07 | 40.9 S 174.5 E | N | 3.4 | D |
| 13 | 17 | 02 02 56 | 37.2 S 176.9 E | 250 km | 4.9 | C |
| 14 | 17 | 05 18 27 | 40.6 S 174.6 E | 96 km | 3.1 | D |
| 15 | 17 | 07 14 44 | 39.3 S 176.0 E | 85 km | 4.6 | C |
| 16 | 18 | 16 44 25 | 40.0 S 173.9 E | 95 km | 4.3 | C |
| 17 | 19 | 10 16 05 | 41.2 S 172.3 E | S | 3.7 | D |
| 18 | 19 | 14 31 19 | 36.9 S 178.1 E | 160 km | 4.2 | D |
| 19 | 19 | 20 38 10 | 41.7 S 171.5 E | N | 3.0 | D |
| 20 | 20 | 06 19.5 | Felt: Te Teko (34) | | 3.1 | |
| 21 | 20 | 15 38 23 | 41.6 S 174.7 E | S | 3.5 | C |
| 22 | 20 | 16 03 11 | 44.8 S 167.8 E | N | 4.1 | C |
| 23 | 21 | 08 57 25 | 46 S 166 E | S | 4.6 | D |
| 24 | 23 | 00 50 34 | 38.85 S 175.10 E | 250 km | 5.5 | C |
| 25 | 23 | 22 30 02 | 40.5 S 174.5 E | N | 3.7 | C |
| 26 | 25 | 13 41 55 | 39.3 S 174.5 E | 190 km | 4.9 | C |
| 27 | 25 | 20 02 12 | 37.8 S 176.8 E | S | 3.1 | D |
| 28 | 26 | 01 52 04 | 37.9 S 176.9 E | S | 4.3 | D |
| 29 | 26 | 01 54 57 | 37.9 S 176.1 E | S | 3.1 | D |
| 30 | 26 | 03 28 02 | 37.9 S 176.9 E | S | 4.2 | C |
| 31 | 26 | 04 34 37 | 40.0 S 174.3 E | S | 4.1 | C |
| 32 | 27 | 07 42 20 | 41.8 S 171.5 E | S | 4.2 | B |
| 33 | 27 | 23 13 33 | 39.6 S 174.7 E | N | 3.6 | C |
| 34 | 29 | 17 12 51 | 38.6 S 175.8 E | 170 km | 4.4 | C |
| 35 | 29 | 18 27 45 | 38.9 S 174.8 E | S | 4.2 | C |
| 36 | FEB 1 | 18 43 04 | 41.6 S 173.4 E | S | 4.2 | D |
| 37 | 4 | 18 56 34 | 37.8 S 176.1 E | 280 km | 5.1 | C |
| 38 | 5 | 19 29 28 | 32.4 S 178.6 W | N | 6.1 | D |
| 39 | 6 | 01 18 49 | 37.2 S 176.6 E | 350 km | 5.0 | C |
| 40 | 6 | 05 16 58 | 40.6 S 176.4 E | S | 4.0 | C |

| No. | Date | h m s | Epicentre | Depth | Mag. | Class |
|-----|-------|------------|---|--------|------|-------|
| 41 | FEB 6 | 19 05 45 | 41.6 S 172.9 E | 110 km | 3.7 | D |
| 42 | 9 | 02 06.4 | 40.0 S 176.6 E | S | 3.1 | D |
| 43 | 9 | 16 54.6 | 35.4 S 178.6 E | S | 5.0 | D |
| 44 | 9 | 19 08.5 | 35.4 S 178.6 E | S | 4.8 | D |
| 45 | 10 | 06 14 11 | 37.6 S 176.9 E | 180 km | 4.7 | C |
| 46 | 10 | 17 56 45 | 39.1 S 176.9 E | S | 2.1 | D |
| 47 | 12 | 00 34 07 | 39.15 S 174.8 E | 200 km | 4.8 | C |
| 48 | 14 | 01 53 52 | 38.9 S 175.4 E | 150 km | 4.5 | C |
| 49 | 14 | 08 40 12 | 37.7 S 177.7 E | 140 km | 4.9 | D |
| 50 | 14 | 09 11 06 | 38.6 S 175.9 E | 160 km | 4.0 | D |
| 51 | 14 | 23 28 | Earthquake swarm near Maketu (26). Shocks 63/53, 54, and 56-59 are also members of the swarm. | | | |
| 52 | 15 | 00 48 52 | 33.7 S 179 W | N | 5.6 | D |
| 53 | 15 | 03 36 22 | 37.7 S 177.0 E | S | 2.1 | C |
| 54 | 15 | 06 37 25 | 37.7 S 177.0 E | S | 2.1 | D |
| 55 | 15 | 10 07.4 | Near Lake Okataina (33). | | | |
| 56 | 15 | 11 25 33 | 37.8 S 176.9 E | S | 2.1 | C |
| 57 | 15 | 11 40 29 | 37.7 S 177.0 E | S | 2.1 | C |
| 58 | 15 | 18 27 47 | 37.6 S 177.1 E | S | 2.1 | C |
| 59 | 15 | 20 12 54 | 37.6 S 177.1 E | S | 3.1 | C |
| 60 | 16 | 20 21.9 | 35.5 S 179.0 E | N | 4.4 | D |
| 61 | 18 | 06 45 57 | 41.6 S 174.6 E | S | 3.1 | D |
| 62 | 20 | 18 16 07 | 38.6 S 175.8 E | 150 km | 4.7 | C |
| 63 | 24 | 15 28 40 | 38.4 S 178.7 E | S | 4.6 | D |
| 64 | 26 | 12 20 05 | 41.7 S 174.7 E | S | 3.2 | D |
| 65 | 27 | 02 26 33 | 39.9 S 176.7 E | S | 3.9 | D |
| 66 | 27 | 02 43 30 | 41.3 S 175.8 E | S | 3.7 | D |
| 67 | MAR 3 | 01 44 08 | 37.8 S 177.7 E | S | 4.4 | B |
| 68 | 3 | 16 39 21 | 31.5 S 178.3 W | 350 km | 5.5 | D |
| 69 | 4 | 21 33 53 | 42.65 S 172.95 E | S | 4.0 | A |
| 70 | 5 | 16 39 07 | 36.5 S 178.2 E | 235 km | 5.0 | C |
| 71 | 6 | 03 52 52 | 33.4 S 179.4 W | 160 km | 5.3 | C |
| 72 | 10 | 11 56 33.1 | 40.8 S 175.2 E | S | 4.7 | B |
| 73 | 11 | 02 01 57 | 38.5 S 175.9 E | 160 km | 4.3 | B |
| 74 | 18 | 10 24 17 | 37.3 S 179.4 E | N | 4.5 | C |
| 75 | 19 | 16 16 26 | 41.5 S 172.3 E | S | 3.5 | B |
| 76 | 21 | 14 02 02 | 35.2 S 178.4 W | N | 5.4 | D |
| 77 | 23 | 11 20 11 | 33.9 S 178.9 W | N | 5.2 | C |
| 78 | 24 | 14 53 01 | 37.1 S 176.9 E | 260 km | 4.8 | D |
| 79 | 25 | 14 22 29 | 37.8 S 177.4 E | S | 5.1 | B |
| 80 | 27 | 08 41 46 | 33.1 S 178.2 W | N | 5.4 | D |
| 81 | 28 | 21 42 40 | 35.2 S 179 W | N | 4.7 | D |
| 82 | 29 | 07 16.7 | Near Westport (79). | | | |
| 83 | 29 | 17 37.0 | Near Westport (79). | | | |
| 84 | 31 | 15 09 06 | 46.9 S 173.95 E | 95 km | 4.4 | B |
| 85 | APR 1 | 06 30 03 | 36 S 178 W | N | 5.2 | D |
| 86 | 3 | 16 12 05 | 41.6 S 173.4 E | N | 3.2 | B |
| 87 | 5 | 09 00 31 | 38.8 S 175.1 E | 220 km | 4.2 | D |
| 88 | 6 | 10 01 37 | 38.8 S 176.0 E | 110 km | 4.0 | D |
| 89 | 6 | 18 02 15 | 33.0 S 178.5 E | N? | 5.3 | D |
| 90 | 7 | 23 32 35 | 38.9 S 175.5 E | 170 km | 4.2 | B |
| 91 | 8 | 15 34 29 | 37.1 S 175.5 E | S | 3.1 | D |
| 92 | 9 | 09 06 23 | 40.3 S 173.5 E | 150 km | 3.9 | C |
| 93 | 9 | 09 27 16 | 37.9 S 177.7 E | 70 km | 4.2 | C |
| 94 | 9 | 15 33 35 | 37.1 S 175.5 E | S | 3.1 | D |
| 95 | 9 | 19 12 39 | 41.3 S 174.9 E | S | 3.3 | C |
| 96 | 10 | 03 28 10 | 41.0 S 177.0 E | S | 4.3 | C |
| 97 | 10 | 05 18 54 | 37.0 S 175.5 E | S | 3.1 | C |
| 98 | 10 | 09 05 24 | 40.8 S 176.4 E | S | 3.4 | D |
| 99 | 10 | 10 20 53 | 41.3 S 173.5 E | 70 km | 3.6 | C |
| 100 | 10 | 11 59 32 | 37.0 S 175.6 E | S | 3.1 | C |
| 101 | 10 | 12 56 45 | 37 S 175.1 E | S | 2.1 | D |
| 102 | 10 | 15 03 24 | 37.0 S 175.6 E | S | 2.7 | D |
| 103 | 10 | 17 48 12 | 37.0 S 175.6 E | S | 2.7 | D |

| No. | Date | h m s | Epicentre | Depth | Mag. | Class |
|--------|--------|------------|---------------------------|--------|------|-------|
| 63/104 | APR 10 | 22 45 55 | 37.1 S 175.5 E | S | | |
| 105 | 11 | 02 20 00 | 37.3 S 176.5 E | S | 2.7 | D |
| 106 | 11 | 07 49.5 | Near Thornton's Bay (21). | S | 3.2 | D |
| 107 | 11 | 12 47 34 | 37.1 S 175.6 E | S | 2.4 | D |
| 108 | 11 | 16 51 59 | 37.1 S 175.5 E | S | 3.2 | C |
| 109 | 11 | 19 10 40 | 37.1 S 175.5 E | S | 2.7 | D |
| 110 | 11 | 20 59 44 | 37.1 S 175.5 E | S | 2.7 | D |
| 111 | 12 | 08 41 43.6 | 38.78 S 176.62 E | 12 km | 2.9 | D |
| 112 | 12 | 08 56 35 | 38.8 S 176.7 E | N | 6.0 | D |
| 113 | 12 | 09 14 05 | 38.8 S 176.8 E | S | 3.1 | A |
| 114 | 12 | 09 21 25 | 38.7 S 177.0 E | S | 3.9 | D |
| 115 | 12 | 09 59.5 | Near Te Pohue (52). | S | 3.2 | B |
| 116 | 12 | 13 01 05 | 37.1 S 175.5 E | S | 2.4 | C |
| 117 | 12 | 13 15 48 | 37.1 S 175.5 E | S | 3.1 | D |
| 118 | 12 | 13 48 33 | 37.1 S 175.5 E | S | 2.4 | D |
| 119 | 12 | 14 32 12 | 37.1 S 175.5 E | S | 2.7 | D |
| 120 | 12 | 14 47 45 | 37.1 S 175.5 E | S | 2.7 | D |
| 121 | 12 | 16 02 50 | 37.1 S 175.5 E | S | 2.7 | D |
| 122 | 12 | 20 41 01 | 37.1 S 175.5 E | S | 2.9 | D |
| 123 | 12 | 21 10 10 | 38.7 S 177.0 E | S | 3.6 | D |
| 124 | 13 | 09 22 42 | 38.8 S 176.8 E | S | 3.8 | D |
| 125 | 14 | 18 23 43 | 39.5 S 177.3 E | S | 3.1 | D |
| 126 | 15 | 12 16 53 | 37.0 S 175.6 E | S | 3.4 | D |
| 127 | 17 | 08 02 26 | 38.9 S 176.8 E | S | 3.4 | D |
| 128 | 18 | 01 15 43 | 38.8 S 176.7 E | S | 3.9 | D |
| 129 | 18 | 10 06 01 | 38.8 S 175.9 E | 150 km | 3.5± | C |
| 130 | 18 | 22 24 01 | 38.3 S 179.3 E | N | 4.2 | C |
| 131 | 19 | 10 26 49 | 34.5 S 178.1 W | 100 km | 4.7 | D |
| 132 | 19 | 11 37 57 | 38.5 S 176.6 E | N | 5.2 | D |
| 133 | 19 | 11 39 10 | 38.8 S 175.2 E | 270 km | 3.7± | D |
| 134 | 20 | 13 20 24 | 40.4 S 177.1 W | N | 4.3 | D |
| 135 | 20 | 16 15 43 | 37.8 S 176.3 E | 200 km | 4.6 | D |
| 136 | 21 | 22 23 26 | 42.3 S 174.8 E | N | 4.0 | D |
| 137 | 22 | 01 56 14 | 45.7 S 166.6 E | S | 3.7 | C |
| 138 | 22 | 03 39 34 | 42.5 S 173.5 E | N | 4.4 | C |
| 139 | 23 | 22 37 33 | 40.1 S 174.7 E | 70 km | 3.3 | D |
| 140 | 25 | 09 32 40 | 35 S 177 W | 100 km | 3.6 | D |
| 141 | 25 | 12 18 26 | 40.5 S 176.2 E | S | 5.1 | C |
| 142 | 25 | 23 52 17 | 38.6 S 176.9 E | S | 4.0 | C |
| 143 | 26 | 01 51 03 | 39.3 S 176.8 E | S | 4.2 | D |
| 144 | 26 | 12 16 24 | 48 S 164 | N | 4.1 | D |
| 145 | 27 | 16 33 45 | 40.1 S 175.0 E | N | 4.7± | D |
| 146 | 28 | 09 56 22 | 37.4 S 178.3 E | N | 3.1 | C |
| 147 | 29 | 12 37 08 | 38.8 S 176.9 E | S | 5.2 | C |
| 148 | 29 | 17 42 30 | 37.9 S 176.2 E | 320 km | 3.8 | C |
| 149 | 30 | 05 52 38 | 38.5 S 178.8 E | 100 km | 4.3 | C |
| 150 | 30 | 09 45 00 | 40.0 S 175.0 E | N | 4.4 | C |
| 151 | 30 | 18 13 16 | 33± S 177± W | N | 3.3 | C |
| 152 | 30 | 19 55 58 | 41.1 S 175.6 E | S? | 5.0 | D |
| 153 | MAY 3 | 04 40 12 | 39.8 S 175.5 E | S | 4.0 | C |
| 154 | 3 | 04 49 14 | 40.9 S 173.05 E | 215 km | 3.7 | B |
| 155 | 3 | 12 44 20 | 38.6 S 176.1 E | S | 4.2 | B |
| 156 | 4 | 13 13 29 | 37.4 S 176.8 E | 250 km | - | C |
| 157 | 5 | 01 57 31 | 38.6 S 176.8 E | S | 5.0 | B |
| 158 | 5 | 01 58 20 | 38.6 S 176.8 E | S | 3.8 | C |
| 159 | 6 | 20 59 54 | 32 S 179 W | >N? | 5.4 | D |
| 160 | 7 | 17 18 07 | 33 S 177 W | N | 5.7 | D |
| 161 | 12 | 04 54 30 | 37.1 S 178.0 E | S | 4.6 | D |
| 162 | 13 | 10 16 42 | 40.35 S 176.55 E | N | 5.0 | B |
| 163 | 15 | 06 33 09 | 38.6 S 176.8 E | S | 3.5 | B |
| 164 | 18 | 08 24 51 | 37.9 S 179.0 E | 150 km | 4.7 | C |
| 165 | 19 | 07 36 58 | 38.8 S 176.8 E | 80 km | 4.1 | B |
| 166 | 20 | 16 21 02 | 40.2 S 173.9 E | S | 4.9 | B |
| 167 | 22 | 19 19 59 | 38.15 S 176.4 E | 170 km | 4.8 | B |
| 168 | 23 | 12 45 54 | 39.0 S 177.9 E | S | 3.8 | C |

| No. | Date | h m s | Epicentre | Depth | Mag. | Class |
|-----|--------|----------|---------------------|---------|------|-------|
| 169 | MAY 25 | 22 18 17 | 37.3 S 179.4 E | N | 4.9 | C |
| 170 | 27 | 22 20 40 | 37.3 S 179.5 E | 185 km | 4.9 | B |
| 171 | 28 | 10 24.5 | Near Wairakei (41). | S | | |
| 172 | 29 | 12 42 56 | 40.9 S 172.7 E | S | 2 | D |
| 173 | 31 | 06 46 41 | 40.85 S 174.9 E | S | 4.0 | B |
| 174 | JUN 1 | 14 12 36 | 41.0 S 174.0 E | S | 3.5 | D |
| 175 | 1 | 21 24 34 | 41 S 175 E | N | 3.1 | D |
| 176 | 2 | 13 50 08 | 38.8 S 175.8 E | 130 km | 4.9 | D |
| 177 | 2 | 17 05 07 | 38.1 S 175 E | 200 km? | 4.1 | C |
| 178 | 3 | 16 09.8 | 36 S 178.1 E | N? | 5.1 | D |
| 179 | 4 | 09 24 25 | 45 S 168 E | N | 3.1± | D |
| 180 | 8 | 15 44 03 | 43.0 S 173.23 E | S | 4.2 | B |
| 181 | 14 | 00 16 49 | 40.0 S 174.2 E | 110 km | 4.2 | C |
| 182 | 14 | 01 36 22 | 39.6 S 176.7 E | S | 4.0 | C |
| 183 | 14 | 15 31 03 | 39.1 S 175.7 E | S | 3.1 | C |
| 184 | 14 | 17 23 34 | 44.8 S 170.3 E | S | 3.6 | C |
| 185 | 15 | 10 34 51 | 39.4 S 174.4 E | 240 km± | 4.8 | C |
| 186 | 18 | 23 46 27 | 38.4 S 176.1 E | 180 km | 3.8 | D |
| 187 | 19 | 13 08 20 | 41.5 S 174.3 E | S | 3.4 | C |
| 188 | 19 | 16 39 57 | 38.1 S 176.3 E | 165 km | 5.1 | B |
| 189 | 20 | 07 50 19 | 39.8 S 175.0 E | S? | 3.1 | D |
| 190 | 21 | 03 57 24 | 40.0 S 174.9 E | S | 3.7 | D |
| 191 | 21 | 23 09 26 | 41.1 S 174.1 E | N? | 4.1 | D |
| 192 | 22 | 21 18 38 | 37.9 S 176.7 E | 190 km | 4.6 | C |
| 193 | 23 | 06 03 35 | 39.2 S 175.0 E | S | 4.0 | C |
| 194 | 25 | 09 01 01 | 40.8 S 174.0 E | S | 4.0 | C |
| 195 | 25 | 16 23 45 | 40.7 S 176.4 E | S | 3.7 | D |
| 196 | 28 | 08 56 42 | 33± S 180 | N? | 5.5 | D |
| 197 | 28 | 20 45 42 | 38.6 S 176.1 E | S | 2.2 | D |
| 198 | 28 | 20 47 39 | 38.6 S 176.1 E | S | 2.6 | B |
| 199 | 29 | 07 53 44 | 39.45 S 175.75 E | S | 3.0 | B |
| 200 | 29 | 12 03.7 | 38 S 177.1 E | N | - | D |
| 201 | 29 | 23 58 29 | 37.8 S 177.6 E | S | 5.0 | C |
| 202 | 30 | 19 08 49 | 41.2 S 172.5 E | S | 4.0 | D |
| 203 | JUL 1 | 08 27 06 | 37.7 S 177.0 E | N | 3.6 | D |
| 204 | 9 | 19 02 05 | 37.5 S 176.8 E | 210 km | 4.4 | C |
| 205 | 10 | 04 57 52 | 41.7 S 173.7 E | N | 3.3 | D |
| 206 | 10 | 10 02 50 | 36.2 S 178.2 E | 350 km | 4.5 | D |
| 207 | 10 | 17 44 00 | 39.0 S 176.0 E | 80 km | 4.8 | D |
| 208 | 11 | 03 00 39 | 41.5 S 174.3 E | S? | 3.7 | C |
| 209 | 12 | 01 25 50 | 38.9 S 174.8 E | 205 km | 4.4 | C |
| 210 | 12 | 01 38 55 | 37.9 S 176.3 E | 180 km | 4.1 | D |
| 211 | 14 | 17 06 35 | 39.65 S 174.85 E | 135 km | 5.9 | B |
| 212 | 17 | 06 21 06 | 38.3 S 176.0 E | 170 km | 4.6 | B |
| 213 | 18 | 11 20 35 | 42.4 S 174.6 E | N | 3.7 | D |
| 214 | 19 | 13 44 50 | 39.8 S 173.9 E | 95 km | 3.3 | D |
| 215 | 19 | 16 21 07 | 40.8 S 173.4 E | 145 km | 4.2 | D |
| 216 | 21 | 03 36 04 | 41.6 S 171.9 E | N | 3.9 | D |
| 217 | 21 | 18 54 14 | 33 S 179 W | N? | 5.5 | D |
| 218 | 22 | 09 35 03 | 44.8 S 167.6 E | N | 3.7 | D |
| 219 | 22 | 14 27 18 | 37.6 S 176.8 E | S | 3.2 | D |
| 220 | 23 | 01 35 50 | 37 S 180 | N? | 4.1± | C |
| 221 | 23 | 05 19 21 | 41.7 S 171.4 E | S | 3.6 | C |
| 222 | 24 | 06 44 20 | 32.1 S 179 W | N | 5.3 | D |
| 223 | 26 | 11 00 40 | 40.6 S 176.7 W | S | 3.5 | D |
| 224 | 31 | 05 08 17 | 40.8 S 175.5 E | S | 4.7 | D |
| 225 | 31 | 05 34 00 | 41.3 S 175.8 E | N | 3.5 | C |
| 226 | AUG 1 | 04 41 51 | 41.8 S 171.5 E | S | 4.5 | C |
| 227 | 1 | 11 39 07 | 38.0 S 176.8 E | S | 3.1 | D |
| 228 | 2 | 21 48 02 | 33.0 S 179.5 W | N | 5.2 | D |
| 229 | 4 | 13 39 55 | 44.8 S 169.6 E | S | 4.0 | D |
| 230 | 5 | 00 39 13 | 36.6 S 177.2 E | 280 km | 5.2 | D |
| 231 | 5 | 17 05 51 | 32 S 180 | N | 4.4 | D |
| 232 | 6 | 02 44 00 | 46 S 165 E | N | 4.4 | D |
| 233 | 6 | 10 48 36 | 41.3 S 175.5 E | N | 3.3 | D |

| No. | Date | h m s | Epicentre | Depth | Mag. | Class |
|--------|-------|------------|-----------------|--------|------|-------|
| 63/234 | AUG 7 | 08 32 03 | 45.1 S 167.3 E | N | 4.5 | |
| 235 | 7 | 15 31 30 | 35.8 S 178.5 E | 285 km | 4.6 | C |
| 236 | 8 | 23 13 50 | 39.5 S 177.1 E | N | 4.9 | C |
| 237 | 13 | 19 50 10 | 38.1 S 177.6 E | N | 3.5 | C |
| 238 | 14 | 03 41 05 | 38.1 S 177.7 E | S | 4.3 | C |
| 239 | 14 | 10 54 02 | 38.4 S 177.1 E | N | 4.3 | C |
| 240 | 14 | 13 24 12 | 47.4 S 165.0 E | S? | 4.1 | C |
| 241 | 14 | 13 45 45 | 44.3 S 168.0 E | N | 5.3 | D |
| 242 | 16 | 15 56 13 | 37.6 S 177.5 E | S | 4.1 | D |
| 243 | 16 | 16 34 10 | 39.2 S 173.5 E | S | 4.1 | D |
| 244 | 17 | 09 34 50 | 34.4 S 179.1 W | N | 3.7 | D |
| 245 | 17 | 10 54 58 | 38.0 S 176.2 E | S | 5.0 | D |
| 246 | 17 | 11 19 11 | 40.6 S 174.0 E | N | 3.4 | D |
| 247 | 18 | 08 08 46 | 39.2 S 175.5 E | N | 4.2 | C |
| 248 | 18 | 13 55 03 | 39.3 S 174.6 E | 210 km | 4.3 | C |
| 249 | 18 | 15 10 09 | 37.7 S 178.1 E | 285 km | 4.3 | D |
| 250 | 18 | 17 07 53 | 39.2 S 174.8 E | 210 km | 4.4 | D |
| 251 | 21 | 15 40 28 | 37.4 S 177.2 E | 180 km | 4.7 | D |
| 252 | 22 | 08 54 03 | 36.6 S 177.9 E | 195 km | 4.8 | C |
| 253 | 22 | 15 00 38 | 38.1 S 176.3 E | 160 km | 4.4 | C |
| 254 | 23 | 13 58 14 | 38.5 S 176.3 E | 120 km | 4.4 | D |
| 255 | 24 | 06 25 05 | 39.6 S 175.7 E | S | 3.8 | D |
| 256 | 24 | 12 50 40 | 37.6 S 178.3 E | S | 4.6 | C |
| 257 | 28 | 23 25 55 | 37.5 S 175.8 E | S | 3.4 | D |
| 258 | 29 | 04 33 00 | 35.2 S 179.1 E | S | 5.0± | D |
| 259 | 29 | 05 01 20 | 35.8 S 177.9 E | S | 4.5 | D |
| 260 | 29 | 16 46 24 | 41.1 S 175.5 E | S | 3.5 | C |
| 261 | 30 | 07 53 21 | 38.2 S 176.2 E | 170 km | 4.3 | C |
| 262 | SEP 2 | 03 58 14 | 37.7 S 177.3 E | 120 km | 4.9 | D |
| 263 | 2 | 22 37 25 | 38.9 S 179.0 E | N | 4.8 | D |
| 264 | 2 | 23 16 56 | 38.5 S 179.3 E | S? | 4.5 | D |
| 265 | 3 | 02 57 38 | 39.5 S 176.2 E | N | 3.8 | C |
| 266 | 3 | 16 17 15 | 38.5 S 176.6 E | S | 4.6 | C |
| 267 | 4 | 07 57.0 | 41.2 S 172.1 W | N | 2.4 | D |
| 268 | 4 | 17 20 45 | 34 S 178 W | N | 5.2 | D |
| 269 | 6 | 08 53 45 | 34 S 179.1 W | N | 5.2 | D |
| 270 | 8 | 00 33 31 | 41.2 S 174.7 E | 60 km | 3.3 | D |
| 271 | 8 | 19 09 03 | 36.1 S 179.5 E | S? | 4.0 | C |
| 272 | 8 | 23 25 55 | 34.4 S 179.1 W | N | 5.2 | D |
| 273 | 11 | 05 01 11 | 40.2 S 174.9 E | S | 3.8 | C |
| 274 | 11 | 12 31 58 | 34.4 S 176.1 W | N | 5.2 | D |
| 275 | 11 | 22 20 26.6 | 33.1 S 178.2 W | N | 5.4 | D |
| 276 | 13 | 21 09 52 | 33.3 S 178.1 W | N | 5.4 | D |
| 277 | 13 | 21 10 56 | 33.3 S 178.1 W | N | 5.3 | D |
| 278 | 13 | 21 20 19 | 41.4 S 173.6 E | S | 3.8 | C |
| 279 | 14 | 11 42 58 | 44 S 170.1 E | N | 3.0 | D |
| 280 | 15 | 08 44.6 | Near Taupo (41) | | 2.4± | |
| 281 | 16 | 03 32 43 | 33 S 178.1 W | N | 5.0 | D |
| 282 | 16 | 08 27 36 | 33 S 178 W | N | 5.1 | D |
| 283 | 16 | 18 20 38 | 34.4 S 177 W | 160 km | 5.3 | D |
| 284 | 18 | 06 23 10 | 33.1 S 177.1 W | N | 5.1 | D |
| 285 | 18 | 06 47 35 | 33.1 S 177.1 W | N | 5.2 | D |
| 286 | 21 | 06 04 45 | 35.2 S 179.1 E | N? | 4.9 | D |
| 287 | 23 | 14 37 07 | 37.6 S 178.6 E | N | 4.2 | D |
| 288 | 25 | 08 57 49 | 38.7 S 177.4 E | S | 4.3 | C |
| 289 | 27 | 09 00 08 | 41.3 S 173.8 E | S | 4.7 | C |
| 290 | 27 | 15 57 05 | 41.4 S 172.20 E | S | 4.0 | C |
| 291 | 30 | 03 22 50 | 38.6 S 176.10 E | S | 2.6 | D |
| 292 | 30 | 05 12 14 | 39.5 S 176.1 E | S | 4.6 | D |
| 293 | 30 | 07 47 04 | 37.8 S 176.30 E | 210 km | 4.5 | C |
| 294 | 30 | 20 50 31 | 45 S 167 E | S? | 3.9 | D |
| 295 | OCT 3 | 14 11 50 | 43.8 S 168.2 E | S? | 4.3 | D |
| 296 | 3 | 15 45 21 | 38.6 S 175.25 E | 270 km | 4.5 | D |
| 297 | 3 | 20 32 26 | 44.8 S 167.6 E | N | 3.7 | D |
| 298 | 7 | 16 21 06 | 37.2 S 177.5 E | 185 km | 3.9 | C |

| Date | h m s | Epicentre | Depth | Mag. | Class |
|-------|------------|------------------|--------|------|-------|
| OCT 9 | 09 58 16 | 37.6 S 176.1 E | 290 km | 4.6 | C |
| 10 | 02 41 54 | 38.2 S 176.4 E | 180 km | 4.5 | C |
| 10 | 07 43 31 | 38.8 S 175.7 E | 160 km | 4.1 | C |
| 10 | 11 43 20 | 38.4 S 175.6 E | 190 km | 4.3 | C |
| 10 | 20 02 15 | 38.3 S 177.1 E | S? | 4.1 | C |
| 11 | 10 34 07 | 38.1 S 176.9 E | 159 km | 4.0 | C |
| 12 | 14 47 40 | 38.2 S 176 E | S | 2.7 | D |
| 12 | 16 06 30 | 44.6 S 166.6 E | N | 3.8 | D |
| 13 | 00 01 13 | 45.3 S 166.9 E | N | 3.8 | C |
| 13 | 19 37 46 | 38.3 S 176.3 E | 160 km | 4.0 | B |
| 14 | 05 15 17 | 48.2 S 164.2 E | N | 4.4 | D |
| 19 | 03 12 23 | 38.8 S 176.3 E | 110 km | 3.2 | C |
| 20 | 01 19 11 | 45.1 S 167.2 E | S? | 4.3 | C |
| 21 | 05 12 29 | 38.9 S 175.1 E | 200 km | 4.9 | C |
| 23 | 03 51 17 | 44.7 S 167.6 E | N | 4.0 | D |
| 23 | 05 53 40 | 35 S 179 E | 220 km | 4.7 | D |
| 25 | 22 50 30 | 36.5 S 176.3 E | S | 4.3 | D |
| 26 | 21 19 15 | 37.5 S 177.3 E | 180 km | 4.2 | C |
| 27 | 01 10 58 | 45.4 S 166.7 E | N | 4.3 | C |
| 27 | 13 21 53 | 40.9 S 175.2 E | S? | 4.1 | C |
| 28 | 06 54 14 | 41.80 S 174.65 E | S | 3.8 | D |
| 28 | 16 26 23 | 37.6 S 176.5 E | 235 km | 4.2 | C |
| 31 | 19 19 35 | 36 S 178.1 E | 160 km | 4.3 | D |
| NOV 2 | 02 31 55 | 39.3 S 175.5 E | 110 km | 4.1 | C |
| 3 | 03 09 06 | 40.4 S 176.6 E | S? | 3.8 | C |
| 3 | 22 31 37 | 42.8 S 171.4 E | S? | 2.6± | D |
| 6 | 06 37 01 | 37.2 S 176.6 E | 300 km | 5.1 | D |
| 6 | 15 47 11 | 44.1 S 167.0 E | S | 4.2 | D |
| 6 | 18 24 00 | 33.2 S 178.2 W | N | 5.1 | D |
| 6 | 19 10 33 | 41.7 S 171.6 E | N | 2.5± | D |
| 6 | 21 09 29 | 40.2 S 174.7 E | S | 4.0 | C |
| 7 | 03 19 10 | 41.7 S 174.6 E | S | 4.1 | C |
| 7 | 05 19 24 | 34.4 S 179.1 W | N | 4.3 | D |
| 7 | 22 12 02 | 40.5 S 176.5 E | S | 3.8 | C |
| 7 | 22 53 05 | 37.4 S 176.6 E | 235 km | 4.8 | C |
| 8 | 02 30 18 | 35 S 178.2 W | N | 5.1 | D |
| 9 | 01 28 47 | 35 S 179 W | N | 4.9 | D |
| 9 | 20 32 00 | 35 S 179 W | N | 5.0 | D |
| 10 | 09 52 50 | 37.9 S 178.3 E | N? | 4.2 | C |
| 10 | 11 59 46 | 39.7 S 176.9 E | S? | 3.2 | D |
| 10 | 23 30 02 | 35.2 S 177 E | N? | 4.5 | D |
| 11 | 09 55 54 | 35 S 178 W | >N? | 4.7 | D |
| 12 | 06 21 33 | 42.2 S 173.8 E | S | 3.1 | D |
| 13 | 12 13 28 | 35.5 S 178.5 E | N | 3.5± | D |
| 15 | 21 11 38 | 39.9 S 174.3 E | 120 km | 4.4 | C |
| 16 | 13 14 29 | 40.8 S 173.7 E | N | 3.9 | D |
| 16 | 15 17 02 | 35.0 S 173.5 E | S | 3.2 | C |
| 17 | 10 16 20 | 41.5 S 175.2 E | S | 2.8 | D |
| 17 | 14 36 53 | 36 S 179.1 W | N | 4.5 | D |
| 17 | 17 02 07 | 36 S 179.1 W | N | 4.8 | D |
| 18 | 01 22 00 | 47.9 S 165.5 E | N | 4.3 | D |
| 18 | 04 30 18.1 | 39.25 S 175.0 E | 235 km | 4.1 | C |
| 18 | 08 50 32 | 35.1 S 179.1 W | N | 4.8 | D |
| 18 | 13 13 45 | 36.2 S 180 | N | 4.8 | D |
| 18 | 23 28 54.1 | 39.3 S 174.7 E | 210 km | 4.5 | B |
| 23 | 12 40 19 | 40.4 S 175.9 E | S | 2.4± | D |
| 24 | 06 24 12 | 42.1 S 174.2 E | S | 3.6 | D |
| 24 | 08 59 35 | 39.3 S 175.2 E | S | 3.7 | B |
| 25 | 19 23 25 | 38.8 S 175.9 E | 145 km | 4.6 | C |
| 26 | 00 10 40 | 33 S 180 | N | 5.2 | D |
| 26 | 12 43 34 | 41.1 S 172 E | S? | 3.2 | D |
| 28 | 16 03 52 | 34.4 S 178.2 W | N | 5.6 | D |
| 29 | 00 10 25 | 41.4 S 172.5 E | S | 3.5 | D |
| 29 | 03 41 | Near Maketu (26) | | 3.4± | |
| 29 | 14 34 02 | 39.2 S 177.3 E | S | 4.7 | C |

| No. | Date | h | m | s | Epicentre | Depth | Mag. | Class |
|--------|-------|----|----|------|----------------|--------|------|-------|
| 63/364 | DEC 3 | 02 | 40 | 29 | 37.3 S 176.8 E | 250 km | 4.5 | |
| 365 | 4 | 00 | 44 | 37 | 34 S 179 W | N | 5.2 | C |
| 366 | 5 | 22 | 50 | 49 | 41.3 S 174 E | N | 3.7 | D |
| 367 | 5 | 23 | 29 | 10 | 45.1 S 166.2 E | N | 4.0 | D |
| 368 | 8 | 15 | 52 | 56 | 40.0 S 174.8 E | 95 km | 4.1 | D |
| 369 | 8 | 16 | 16 | 00 | 36 S 178 E | S | 4.6 | C |
| 370 | 8 | 16 | 21 | 21 | 35.2 S 178 E | N | 4.0 | D |
| 371 | 8 | 17 | 12 | 51 | 36.7 S 177.6 E | S | 4.2 | D |
| 372 | 8 | 20 | 16 | 38 | 40.9 S 172.2 E | S | 4.1 | D |
| 373 | 8 | 20 | 36 | 17 | 38.2 S 176.3 E | 170 km | 4.7 | D |
| 374 | 9 | 04 | 14 | 57 | 40.8 S 176.3 E | S | 3.9 | C |
| 375 | 9 | 09 | 17 | 35 | 46.1 S 165.9 E | S | 4.7 | C |
| 376 | 10 | 01 | 33 | 13 | 44.5 S 168.2 E | N | 4.6 | C |
| 377 | 10 | 12 | 21 | 57 | 47.2 S 165.1 E | S | 4.5 | D |
| 378 | 10 | 13 | 01 | 02 | 47.2 S 165.1 E | S | 4.4 | D |
| 379 | 10 | 13 | 05 | 38 | 47.2 S 165.1 E | S? | 4.4 | D |
| 380 | 10 | 14 | 58 | 17 | 37.4 S 176.6 E | 245 km | 5.4 | D |
| 381 | 11 | 09 | 43 | 49 | 40.4 S 175.5 E | S | 3.0 | C |
| 382 | 14 | 16 | 28 | 40 | 35 S 178 W | N | 5.2 | D |
| 383 | 14 | 16 | 59 | 53 | 38.7 S 175.9 E | 160 km | 4.5 | C |
| 384 | 15 | 03 | 33 | 22 | 38.6 S 178.3 E | 70 km | 4.3 | C |
| 385 | 17 | 08 | 32 | 30 | 34.2 S 176.2 W | N | 5.3 | D |
| 386 | 17 | 14 | 55 | 07 | 41.2 S 175.8 E | N | 3.5 | D |
| 387 | 18 | 16 | 16 | 56 | 44.3 S 168.4 E | N | 3.9 | D |
| 388 | 20 | 15 | 57 | 42 | 37.5 S 177.1 E | 272 km | 4.6 | C |
| 389 | 22 | 13 | 35 | 28.0 | 35.1 S 177.5 E | 10 km | 4.5 | B |
| 390 | 22 | 13 | 35 | 35.0 | 35.1 S 173.5 E | 10 km | 5.0 | B |
| 391 | 25 | 13 | 46 | 23 | 38.4 S 178.9 E | 95 km | 3.8 | C |
| 392 | 26 | 04 | 21 | 42 | 40.4 S 176.4 E | S | 4.3 | C |
| 393 | 27 | 08 | 31 | 34 | 38.5 S 176.3 E | 135 km | 3.7 | B |
| 394 | 28 | 09 | 03 | 57 | 33 S 179 W | N | 6.7 | D |
| 395 | 28 | 23 | 04 | 07 | 37.3 S 176.7 E | S | 4.1 | D |
| 396 | 28 | 23 | 16 | 50 | 44.7 S 167.6 E | N | 4.1 | D |

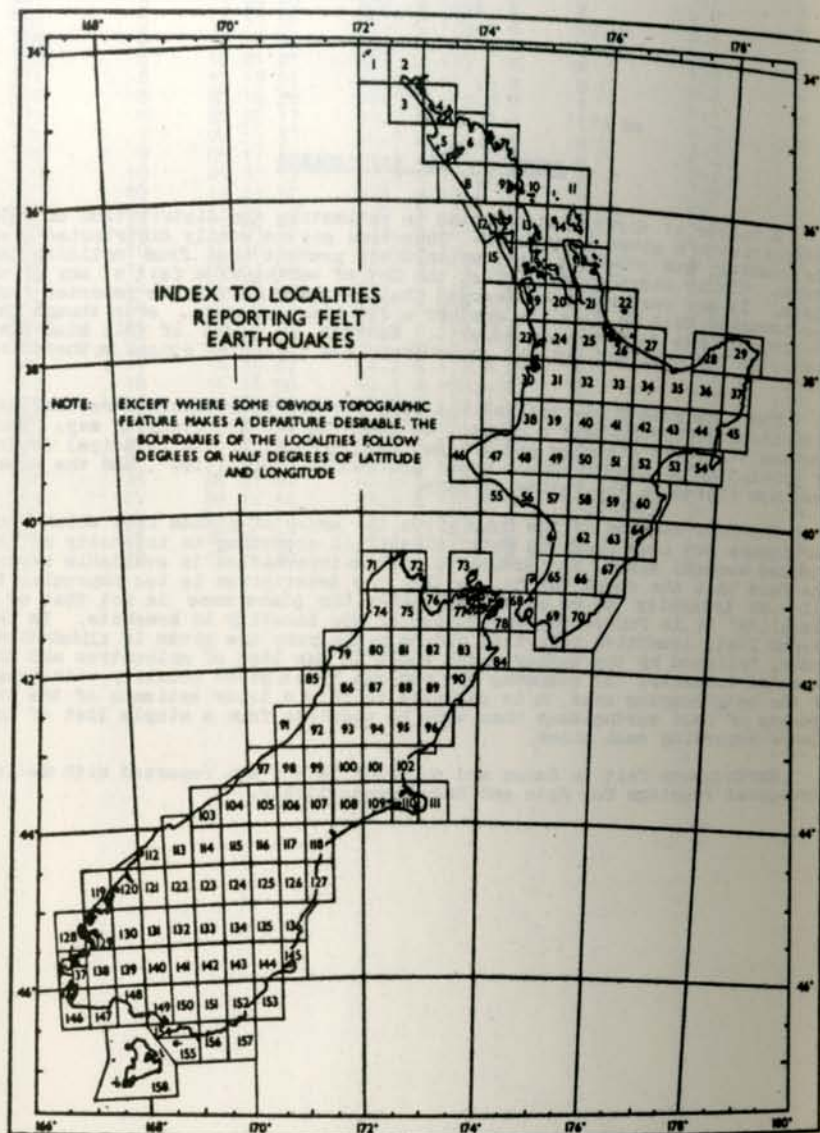
INDEX OF FELT EARTHQUAKES

A number of difficulties arise in estimating the distribution of felt intensities in a given earthquake. Observers are not evenly distributed over the country, and personal circumstance may prevent them from noticing the shock. Similar shortcomings affect the list of earthquakes felt at any given place. It may reasonably be assumed that a strong earthquake reported from one township will be felt in another a few miles distant, even though the observatory has received no report. However, an index of this kind must summarise the data and not the deductions. The following scheme is therefore used.

The land area of New Zealand has been divided into numbered rectangles, with sides measuring half a degree, as shown in the accompanying map. Each rectangle is given a number and a name, usually that of the principal centre of population within it. These areas are termed 'localities', and the names used are listed on the following page.

The first section of the index gives the names of places from which each earthquake has been reported felt, classified according to intensity on the modified Mercalli scale. A ? indicates that no information is available beyond the fact that the shock was felt, or that the description is too imprecise to allow an intensity to be assigned. When the place name is not that of a 'locality' it is followed by the number of the locality in brackets. In the second list, localities reporting shocks in the year are given in alphabetical order, followed by the number of the shock in the list of epicentres and the reported intensity. By comparing the reports from a given locality with those of the neighbouring ones, it is possible to form a truer estimate of the incidence of felt earthquakes than would be possible from a simple list of the places reporting each shock.

Earthquakes felt in Samoa and on Raoul Island are reported with the instrumental readings for Apia and Raoul respectively.

**LIST OF REPORTING LOCALITIES**

| | | | | |
|-------------------|-----|------------------|-----|------------------|
| Three Kings | 54 | Mahia | 107 | Mt. Somers |
| Te Reinga | 55 | Hawera | 108 | Ashburton |
| Ninety Mile Beach | 56 | Waverley | 109 | Rakaia |
| Doubtless Bay | 57 | Wanganui | 110 | Christchurch |
| Kaitaia | 58 | Taihape | 111 | Akaroa |
| Kaikohe | 59 | Ruahine | 112 | Big Bay |
| Bay of Islands | 60 | Hastings | 113 | Jacksons Bay |
| Dargaville | 61 | Bulls | 114 | Makarua |
| Whangarei | 62 | Palmerston North | 115 | Lake Ohau |
| Bream Head | 63 | Dannevirke | 116 | Pukaki |
| Noko Hinau | 64 | Porangahau | 117 | Fairlie |
| Kaipara | 65 | Otaki | 118 | Timaru |
| Warkworth | 66 | Masterton | 119 | George Sound |
| Barrier Islands | 67 | Castlepoint | 120 | Milford |
| Helensville | 68 | Wellington | 121 | Glenorchy |
| Auckland | 69 | Featherston | 122 | Arrowtown |
| Waiheke | 70 | Martinborough | 123 | Wanaka |
| Coromandel | 71 | Mt. Stevens | 124 | St. Bathans |
| Pukekohe | 72 | Takaka | 125 | Kurow |
| Mercer | 73 | D'Urville Is. | 126 | Duntroon |
| Thames | 74 | Karamea | 127 | Waimate |
| Mayor Is. | 75 | Motueka | 128 | Secretary Is. |
| Raglan | 76 | Nelson | 129 | Doubtful Sound |
| Hamilton | 77 | Blenheim | 130 | Te Anau |
| Matamata | 78 | Picton | 131 | Livingstone Mts. |
| Tauranga | 79 | Westport | 132 | Kingston |
| Whakatane | 80 | Murchison | 133 | Alexandra |
| Te Kaha | 81 | Glenhope | 134 | Poolburn |
| East Cape | 82 | Wairau | 135 | Ranfurly |
| Kawhia | 83 | Awatere | 136 | Oamaru |
| Te Kuiti | 84 | Cape Campbell | 137 | Resolution Is. |
| Tokoroa | 85 | Greymouth | 138 | Pillans Pass |
| Rotorua | 86 | Reefton | 139 | Monowai |
| Murupara | 87 | Maruia | 140 | Mossburn |
| Opotiki | 88 | Harmer | 141 | Waikaia |
| Motu | 89 | Clarence | 142 | Roxburgh |
| Tolaga Bay | 90 | Kaikoura | 143 | Lawrence |
| Mokau | 91 | Hokitika | 144 | Outram |
| Taumarunui | 92 | Kumara | 145 | Dunedin |
| Tokaanu | 93 | Arthur's Pass | 146 | Puysegur Pt. |
| Taupo | 94 | Lake Sumner | 147 | Poteretere |
| Te Whaiti | 95 | Culverden | 148 | Tuatapere |
| Tuai | 96 | Cheviot | 149 | Invercargill |
| Whakapunaki | 97 | Franz Josef | 150 | Gore |
| Gisborne | 98 | Hari Hari | 151 | Clinton |
| Cape Egmont | 99 | Whitcombe Pass | 152 | Balclutha |
| New Plymouth | 100 | Lake Coleridge | 153 | Waihola |
| Whangamomona | 101 | Oxford | 154 | Bluff |
| Ohakune | 102 | Rangiora | 155 | Ruapuke |
| Chateau | 103 | Haast | 156 | Tahakopa |
| Kaweka | 104 | Bruce Bay | 157 | Owaka |
| Napier | 105 | Mt. Cook | 158 | Stewart Is. |
| Wairoa | 106 | Tekapo | | |

PLACES REPORTING FELT EARTHQUAKES

| | | | |
|-------|-----|---------------------|---|
| 63/4 | Jan | 2d MM5 | 12h 46m Waipori Falls (143) |
| 63/7 | Jan | 9d ? Not Felt | 23h 38m Wairakei (41) Ngakuru (33); Tokaanu (40); Broadlands (41); Tongariro Prison Farm (50). |
| 63/9 | Jan | 11d MM3 | 17h 50m Wellington (68) |
| 63/19 | Jan | 19d MM4 | 20h 38m Westport (79) |
| 63/20 | Jan | 20d MM3 | 06h 19m Te Teko (34) |
| 63/21 | Jan | 20d MM3 | 15h 38m Wellington (68) |
| 63/24 | Jan | 23d MM4 MM3 | 00h 52m Bunnythorpe (62) Wellington (68) |
| 63/26 | Jan | 25d MM2 | 13h 41m Omere (50); Dannevirke (63). |
| 63/27 | Jan | 25d MM3-4 | 20h 02m Edgecumbe (27) |
| 63/28 | Jan | 26d MM4 | 01h 52m Edgecumbe (27) |
| 63/29 | Jan | 26d MM3-4 | 01h 54m Edgecumbe (27) |
| 63/30 | Jan | 26d MM4 MM3 | 03h 28m Edgecumbe (27); Lake Okataina (33). Kawerau (34) |
| 63/32 | Jan | 27d MM4 MM3 | 07h 42m Westport (79) Rotomanu (92) |
| 63/36 | Feb | 1d MM3 MM2 | 18h 43m Leatham (82) Lowry Bay (68) |
| 63/40 | Feb | 6d MM3 | 05h 16m Castlepoint (67); Te Kopi (70). |

| | | | |
|--------|-----|-----------------------------------|---|
| 63/42 | Feb | 9d MM3 | 02h 06m Waipawa (60) |
| 63/46 | Feb | 10d MM3 | 17h 56m Te Rangī (52) |
| 63/51 | Feb | 14d - 16d | An earthquake swarm near Maketu (26), the largest shocks being felt about MM3. |
| 63/55 | Feb | 15d MM3 | 10h 07m Lake Okataina (33) Confirmation doubtful. The recorded shock could be a member of the Maketu swarm (63/51). |
| 63/61 | Feb | 18d MM3 | 06h 45m Karori, Wellington (68) |
| 63/62 | Feb | 20d MM2 | 18h 16m Ponatahi (70) |
| 63/64 | Feb | 26d MM3 MM1 | 12h 20m Wellington (68) Newlands (68) |
| 63/65 | Feb | 27d MM3 | 02h 26m Waipawa (60) |
| 63/72 | Mar | 10d MM4 MM3 MM2 | 11h 56m Manakau (65) Port Underwood (67); Kelburn, Khandallah (68). Bunnythorpe (62); Waitarere Beach (65); Ponatahi (70). |
| 63/79 | Mar | 25d MM4 MM3 | 14h 22m Opotiki, Waimana (35); Whatatutu (36). Opotiki (35); Erepiti (53). |
| 63/82 | Mar | 29d MM3 | 07h 16m Westport (79) |
| 63/83 | Mar | 29d MM4 | 17h 37m Westport (79) |
| 63/91 | Apr | 8d "Fairly sharp" | 15h 34m Thornton's Bay (21) |
| 63/94 | Apr | 9d "Sharp jolt" "Mild" | 15h 33m Te Puru, Thames (21) Thornton's Bay (21) |
| 63/95 | Apr | 9d MM2 MM1 | 19h 12m Wellington (68) York Bay (68) |
| 63/97 | Apr | 10d "Slight" | 05h 18m Tararua, Waiomu (21) |
| 63/99 | Apr | 10d MM3 | 10h 20m Trentham (69) |
| 63/100 | Apr | 10d MM4 ? "Fairly sharp" | 11h 59m Coromandel (18) Whitianga (18) Thornton's Bay (21) |

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|--------|-----|-----|---------|--------------------------------------|---|
| 63/101 | Apr | 10d | 12h 56m | "Jolt" | Tararu (21) |
| 63/102 | Apr | 10d | 15h 03m | "Slight" | Waiomu (21) |
| 63/103 | Apr | 10d | 17h 48m | "Jolt" | Tararu (21) |
| 63/104 | Apr | 10d | 22h 50m | "Sharp jolt" | Tararu (21) |
| 63/106 | Apr | 11d | 07h 49m | "Mild" | Thornton's Bay (21) |
| 63/107 | Apr | 11d | 12h 47m | "Quite sharp" | Thornton's Bay (21) |
| 63/108 | Apr | 11d | 16h 51m | "Mild" | Thornton's Bay (21) |
| 63/109 | Apr | 11d | 19h 10m | "Very mild noise only" | Thornton's Bay (21) |
| 63/110 | Apr | 11d | 20h 59m | MM1 "Mild but prolonged" | Waihi (21) Thornton's Bay (21) |
| 63/111 | Apr | 12d | 08h 41m | MM6 MM5 MM4 MM3 MM2 ? | (See Isoseismal Map.) Minginui (42); Rukumoana, Tarawera (52). Golden Springs, Ngakuru (33); Broadlands, Oruanui, Rangataiki, Taupo (41); Erepiti, Tualet (43); Patoka, Te Rangi (52). Thames (21); Edgecumbe (27); Galatea (34); Opotiki (2 reports) (35); Tokaanu (40); Broadlands (41); Waikaremoana (43); Gisborne (45); Ohakune (49); Napier (2 reports) (52); Wairoa (53); Apiti, Mangaohane, Taihape (58); Ashley Clinton (59); Hastings (60); Te Uri (63). Pukekawa (19); Edgecumbe, Whakatane (27); Cape Runaway (28); Ngutunui (31); Lichfield (32); Lake Okataina (33); Opotiki, Waimana (35); Gisborne (45); Napier (52); Kotemaori (53); Waitahinga (56); Okoia, Wanganui (57); Waiwhare (60). Uruti (38); Mangaweka (58). Auckland (16); Whakatane (27); Turangi (40); Waipukurau (60). |
| 63/112 | Apr | 12d | 08h 56m | MM3 | Taumarunui (39) |
| 63/113 | Apr | 12d | 09h 14m | MM3 | Thornton (27) |
| 63/115 | Apr | 12d | 09h 59m | MM3 | Rukumoana (52) |
| 63/116 | Apr | 12d | 13h 01m | MM3 | Thames (21) |
| 63/117 | Apr | 12d | 13h 15m | "Fairly sharp" | Thornton's Bay (21) |

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|--------|-----|-----|---------|------------------------|--|
| 63/118 | Apr | 12d | 13h 48m | "Slight" | Thornton's Bay (21) |
| 63/119 | Apr | 12d | 14h 32m | "Slight" | Thornton's Bay (21) |
| 63/120 | Apr | 12d | 14h 47m | "Slight" | Thornton's Bay (21) |
| 63/121 | Apr | 12d | 16h 02m | MM3-4 "Quite sharp" | Thames (21) Thornton's Bay (21) |
| 63/122 | Apr | 12d | 20h 42m | MM4 MM3 "Sharp" | Thames (21) Tairua (21) Thornton's Bay (21) |
| 63/125 | Apr | 14d | 18h 30m | MM3 | Rukumoana (52) |
| 63/126 | Apr | 15d | 12h 16m | MM3 MM2-3 | Tairua (18) Thames (21) |
| 63/127 | Apr | 17d | 08h 02m | MM3 | Galatea (34) |
| 63/128 | Apr | 18d | 01h 15m | MM3 | Galatea (34) |
| 63/141 | Apr | 25d | 12h 18m | MM3 | Dannevirke, Te Uri (63) |
| 63/142 | Apr | 25d | 23h 52m | MM4 | Tutira (52) |
| 63/143 | Apr | 26d | 01h 51m | MM3 | Patoka, Tutira (52) |
| 63/145 | Apr | 27d | 16h 33m | MM3 | Okoia (57); Strathmore (68). |
| 63/150 | Apr | 30d | 09h 45m | MM4 | Waitahinga (56) |
| 63/152 | Apr | 30d | 19h 55m | MM3 | Lowry Bay (68) |
| 63/153 | May | 3d | 04h 40m | MM4 MM3-4 | Okoia (57) Ohakune (49) |
| 63/155 | May | 3d | 12h 44m | MM3 MM1 | Wairakei (41) Wairakei (41) |
| 63/162 | May | 13d | 10h 16m | MM4 MM3 MM1 | Okoia (57); Ashley Clinton (59); Waipawa (60); Porangahau (64); Pongaroa (67). Bunnythorpe (62); Dannevirke (63). Wellington (68) |
| 63/165 | May | 19d | 07h 38m | MM3 | Patoka (52); Kotemaori (53). |

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|--------|-----|----------------------------|---|
| 63/168 | May | 23d MM3 | 12h 45m Gisborne (45) |
| 63/171 | May | 28d MM4 MM3-4 MM3 | 10h 24m Wairakei (41) Wairakei (41) Wairakei (41) |
| 63/172 | May | 29d MM3 | 12h 42m Takaka (72) |
| 63/173 | May | 31d ? | 06h 40m Karori (68) |
| 63/180 | Jun | 8d MM4 | 15h 44m Culverden (95) |
| 63/182 | Jun | 14d MM4 | 01h 36m Patoka (2 reports) (52); Waipawa (60). |
| 63/183 | Jun | 14d MM4 | 15h 31m Tokaanu (40) |
| 63/184 | Jun | 14d MM4 | 17h 22m Kurow, Otamatapia (125) |
| 63/188 | Jun | 19d MM4 | 16h 39m Petone, Wellington (68); Te Kopi (69). |
| 63/189 | Jun | 20d MM3 | 07h 50m Okokia (57) |
| 63/190 | Jun | 21d MM3 | 03h 57m Okokia (57) |
| 63/191 | Jun | 21d MM3 | 23h 09m York Bay (68) |
| 63/193 | Jun | 23d MM4 | 06h 03m Tarata (47) |
| 63/197 | Jun | 28d MM4 | 20h 45m Wairakei (41) |
| 63/198 | Jun | 28d MM4 | 20h 47m Wairakei (41) |
| 63/199 | Jun | 29d MM3 | 07h 53m Ohakune (49) |
| 63/200 | Jun | 29d MM3 | 12h 03m Opotiki (35) |
| 63/202 | Jun | 30d MM4 MM3 | 19h 08m Paturau River (71); Tadmor (75). Bainham (72) |
| 63/203 | Jul | 1d MM4 MM3 | 08h 27m Edgecumbe (27); Kawerau, Te Teko (34). Lake Okataina (33) |
| 63/205 | Jul | 10d MM3 | 04h 57m Tarakohe (72) |
| 63/207 | Jul | 10d MM4 | 17h 44m Ohakune (49); Patoka (52). |

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|--------|-----|--------------------------------------|--|
| | | MM3 ? | Dannevirke (63) Karori (68) |
| 63/208 | Jul | 11d MM3 | 03h 00m Wellington (68); Manaroa (78). |
| 63/211 | Jul | 14d MM5 MM4 | 17h 06m (See Isoseismal Map.) Tarata (47); Ohakune, Raetihi (49); Taraponui (52); Waitotara (56); Wanganui (57); Mangaweka (58); Paekakariki (65); Pa Valley (66); Horokiri Valley (68); Stephens Island (73). Maungahaunui (36); Uruti (38); Erepiti (43); Warea (46); Dawson's Falls, Eltham, Stratford (47); Purangi (48); Ohakune (49); Patoka, Tutira (52); Okoia (57); Table Flat (58); Ashley Clinton (59); Foxton (61); Dannevirke, Te Uri (63); Paraparaumu, Waikanae Beach (65); Eketahuna, Masterton (66); Baring Head, Khandallah, Lower Hutt, Tinakori, Wellington, York Bay (68); Waiorongomai (69); Paturau River (71); Collingwood, Takaka (72); Tadmor (75); Motueka (76); Blenheim, Havelock (77); Manaroa, Ocean Bay (78); Grey-Robinson Rivers (87); Taipo River (92); Allandale (110). New Plymouth (47); Patoka (52); Waipawa (60); Bunnythorpe (62). |
| 63/216 | Jul | 21d MM4 | 03h 36m Tadmor (75) |
| 63/219 | Jul | 22d MM4 | 14h 27m Maketu (26) |
| 63/221 | Jul | 23d MM4 | 05h 19m Westport (79) |
| 63/224 | Jul | 31d MM5 MM4 MM3 MM2 ? | 05h 08m Masterton (66) Okokia (57); Foxton (61); Bunnythorpe (62); Waikanae Beach, Waitarere Beach (65); Eketahuna, Masterton (66); Lowry Bay (68). Paraparaumu (65) Ohakune (49) Wanganui (57); Dannevirke (63); Kelburn (68). Not Felt Waipukurau (60); Ohakea (61). |
| 63/226 | Aug | 1d MM4 MM3-4 | 04h 41m Westport (79); Maimai (86). Kopara (93) |
| 63/229 | Aug | 4d MM4 | 13h 29m Wanaka (123) |
| 63/233 | Aug | 6d MM3 | 10h 48m Ponatahi (70) |
| 63/237 | Aug | 13d MM4 MM3 | 19h 50m Opotiki (35) Whakatane (27); Motu (36); Te Pua, Tokomaru Bay (37). |
| 63/245 | Aug | 17d MM4 | 10h 54m Ngakuru (33) |
| 63/247 | Aug | 18d MM3 | 08h 08m Tokaanu (40) |

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|--------|-----|-----------------------------------|---|
| 63/250 | Aug | 18d ? | 17h 07m Ngakuru (33) |
| 63/255 | Aug | 24d MM3 | 06h 25m Ohakune (49) |
| 63/257 | Aug | 28d MM3 | 23h 25m Waihi (21) |
| 63/260 | Aug | 29d MM4 MM3-4 | 16h 46m Masterton (66); Ponatahi, Te Kopi (70). Masterton (66) |
| 63/263 | Sep | 2d MM5 MM4 | 22h 37m Te Puia (37) Tolaga Bay (37) |
| 63/266 | Sep | 3d MM4 MM3 | 16h 17m Whakatane (27); Opotiki (35); Whatatutu (36). Pauariki Station (37); Waipawa (60); Tarapounui (52). |
| 63/267 | Sep | 4d MM3 | 07h 57m Mangles Valley (80) |
| 63/270 | Sep | 8d MM3 | 00h 33m Lower Hutt (68) |
| 63/273 | Sep | 11d MM3 | 05h 01m Ohakune (49) |
| 63/279 | Sep | 14d ? | 11h 42m Lake Tekapo (106) |
| 63/280 | Sep | 15d MM4 | 08h 44m Taupo (41) |
| 63/288 | Sep | 25d MM3 | 08h 57m Opotiki (35) |
| 63/289 | Sep | 27d MM4 MM3 "Light" ? | 09h 00m Ocean Bay, Port Underwood (78) Mangles Valley (80) Farewell Spit Lighthouse (72) Kiwika (81) |
| 63/291 | Sep | 30d MM4 | 03h 22m Wairakei (41) |
| 63/292 | Sep | 30d MM4 | 05h 12m Ohakune (49) |
| 63/305 | Oct | 12d ? | 14h 47m Wairakei (41) |
| 63/312 | Oct | 21d MM3 | 05h 12m York Bay (68) |
| 63/318 | Oct | 27d MM4 MM3-4 MM2 | 13h 21m Dannevirke (63); Waikanae (65); Wellington (68). Bunnythorpe (62) Ohakune (49) |
| 63/323 | Nov | 3d MM3 | 03h 09m Waipawa (60) |

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|-----------|-----|------------|---|
| 63/324 | Nov | 3d MM4 | 22h 31m Kumara (92) |
| 63/328 | Nov | 6d MM4 | 19h 10m Westport (79) |
| 63/330 | Nov | 7d MM5 | 03h 19m Cape Campbell (84) |
| 63/332 | Nov | 7d MM3 | 22h 12m Dannevirke (63) |
| 63/337 | Nov | 10d MM3 | 09h 52m Tokomaru Bay (37) |
| 63/339 | Nov | 10d MM4 | 11h 59m Patoka (52) |
| 63/345 | Nov | 16d | 15h 17m See G.A.Elby 1964: "The Northland Earthquakes of 1963 November-December and the Seismicity of Northland." (N.Z.J. Geol.Geophys. 7: 745-65) for isoseismal map and discussion. Chuck's Cove, Cooper's Beach, Mangonui (6) Kaeo, Kaitaia, Omahuta, Rangiputa, Totara North (6) |
| 63/346 | Nov | 17d MM4 | 10h 16m Stokes Valley (69) |
| 63/354 | Nov | 23d MM2 | 12h 40m Dannevirke (63) |
| 63/362 | Nov | 29d MM4 | 03h 41m Maketu (26) |
| 63/363 | Nov | 29d MM4 | 14h 34m Kotemaori, Wairoa (53) |
| 63/372 | Dec | 8d MM5 | 20h 16m Paturau River (71) |
| 63/374 | Dec | 9d MM4 | 04h 14m Te Uri (63) |
| 63/375 | Dec | 9d MM4 | 09h 17m Puysegur Point (146) |
| 63/381 | Dec | 11d MM3 | 09h 43m Waitatapia (61) |
| 63/389-90 | Dec | 22d | 13h 35m Two shocks separated by only 7 secs. Some minor damage in Northland. See G.A.Elby, "The Northland Earthquakes of 1963 November-December and the Seismicity of Northland" (N.Z.J. Geol. Geophys. 7: 745-65) for details of felt effects, isoseismal map and discussion. Peria, Otangaroa, Totara North (6) Kaeo, Okaihau, Omahuta (6); Victoria Valley (5) MM7 MM6 MM5 Waiharara (4); Ahipara, Awanui, Fairburn, Kaitaia, Runaruna, Takahue (5); Ivydale, Kohukohu, Omahuta Valley, Whangaroa (6); Paihia (7); MM4-5 MM4 Omahuta (6) Te Kao (3); Houhora, Motutangi, Rangiputa (4); |

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|--------|----------|-----|--|-----|
| | | | Awanui, Broadwood, Kaitaia aerodrome, Rawene (5); Kaikohe, Kohukohu, Mangamuka, Mangonui, Okaihau, Tau's Falls, Te Karae, Te Tio, Umawera, Utakura (6); Kawakawa, Russell (7); Awarua (8). | |
| | MM3 | | Waimatenui (8) | |
| | ? | | Opononi (5); Kerikeri (6). | |
| | Not Felt | | Cape Reinga (2); Te Hapua (3); Dargaville, Mamaranui, Pakotai (8); and in localities (9) (4 reports), 10 (1 report), 12 (4 reports), 13 (4 reports), 16 (2 reports), and 17 (2 reports). | |
| 63/391 | Dec | 25d | 13h | 46m |
| | | MM4 | Tokomaru Bay (37) | |
| 63/394 | Dec | 28d | 09h | 03m |
| | | MM3 | Erepiiti, Wairoa (53); Wellington (68). | |
| | | MM1 | Waikawa Beach (65); Lower Hutt (68). | |

EARTHQUAKES FELT WITHIN STATED LOCALITIES

Localities within which earthquakes were felt in 1963 are listed in alphabetical order, preceded by its number on the reference map. The figure following the name of the locality is the number of the epicentre, followed by the maximum intensity (in brackets) reported within the district covered by the locality name. The instrumental magnitude may be found from the epicentre list, and the places that actually reported the shock from the table of "Places Reporting Felt Earthquakes".

| | | | | |
|-----|----------------|--|--|--|
| 93 | Arthur's Pass | 226 (3-4) | | |
| 16 | Auckland | 111 (?) | | |
| 7 | Bay of Islands | 389-90 (7) | | |
| 77 | Blenheim | 211 (4) | | |
| 61 | Bulls | 211 (4), 224 (4), 381 (3) | | |
| 84 | Cape Campbell | 330 (5) | | |
| 46 | Cape Egmont | 211 (4) | | |
| 67 | Castlepoint | 40 (3), 72 (3), 162 (4) | | |
| 50 | Chateau | 26 (2) | | |
| 110 | Christchurch | 211 (4) | | |
| 18 | Coromandel | 100 (4), 126 (3) | | |
| 95 | Culverden | 180 (4) | | |
| 63 | Dannevirke | 26 (2), 111 (4), 141 (3), 162 (3), 207 (3), 211 (4), 224 (?), 318 (4), 332 (3), 354 (2), 374 (4) | | |
| 8 | Dargaville | 389-90 (8) | | |

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|----|-------------------|---|--|--|
| 4 | Doubtless Bay | 389-90 (5) | | |
| 13 | D'Urville Is. | 211 (5) | | |
| 49 | Featherston | 99 (3), 188 (4), 211 (4), 346 (4) | | |
| 45 | Gisborne | 111 (4), 168 (3) | | |
| 31 | Glenhope | 289 (9) | | |
| 10 | Hastings | 42 (3), 65 (3), 111 (4), 162 (4), 182 (4), 211 (3), 266 (3), 323 (3) | | |
| 6 | Kaikohe | 345 (5), 389-90 (7) | | |
| 5 | Kaitaia | 389-90 (6) | | |
| 32 | Kumara | 32 (3), 211 (4), 324 (4) | | |
| 15 | Kurow | 184 (4) | | |
| 43 | Lawrence | 4 (5) | | |
| 37 | Maruia | 211 (4) | | |
| 70 | Martinborough | 40 (3), 62 (2), 72 (2), 233 (3), 260 (4) | | |
| 46 | Masterton | 211 (5), 224 (5), 260 (6) | | |
| 38 | Mokau | 111 (2), 211 (4) | | |
| 36 | Motu | 79 (4), 211 (4), 237 (3), 266 (4) | | |
| 35 | Motueka | 202 (4), 211 (4), 216 (4) | | |
| 71 | Mt Stevens | 202 (4), 211 (4), 372 (5) | | |
| 30 | Murchison | 267 (3), 289 (3) | | |
| 34 | Murupara | 20 (3), 30 (3), 111 (4), 127 (3), 128 (3), 203 (3-4) | | |
| 52 | Napier | 46 (3), 111 (6), 115 (3), 125 (3), 142 (4), 143 (3), 165 (3), 182 (4), 207 (4), 211 (5), 266 (3), 338 (4) | | |
| 47 | New Plymouth | 193 (4), 211 (5) | | |
| 3 | Ninety Mile Beach | 389-90 (4) | | |
| 48 | Ohakune | 111 (4), 153 (3-4), 199 (3), 207 (4), 211 (5), 224 (2), 255 (3), 273 (3), 292 (4), 318 (2) | | |
| 35 | Opotiki | 79 (4), 111 (4), 200 (3), 237 (4), 266 (3-4), 288 (3) | | |
| 36 | Otaki | 72 (4), 211 (5), 224 (4), 318 (4), 394 (1) | | |
| 32 | Palmerston North | 24 (4), 72 (2), 162 (3), 211 (3), 318 (3-4) | | |
| 38 | Picton | 208 (3), 211 (4), 289 (4) | | |
| 44 | Porangahau | 162 (4) | | |

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|-----|-------------|---|---|---|--|
| 19 | Pukekohe | 111 (3) | | | |
| 146 | Puysegur Pt | 375 (4) | | | |
| 86 | Reefton | 226 (4) | | | |
| 33 | Rotorua | 30 (4), 245 (4), | 55 (3), 250 (?), | 111 (5), | 203 (3), |
| 59 | Ruahine | 111 (4), | 162 (4), | 211 (4) | |
| 58 | Taihape | 111 (4), | 211 (5) | | |
| 72 | Takaka | 172 (3), 289 (?), | 202 (3), | 205 (3), | 211 (4), |
| 39 | Taumarunui | 112 (3) | | | |
| 41 | Taupo | 7 (4), 197 (4), 305 (?), | 111 (5), 198 (4), | 155 (3), 280 (4), | 171 (4), 291 (4), |
| 26 | Tauranga | 51 (3), | 219 (4), | 362 (4) | |
| 28 | Te Kaha | 111 (3) | | | |
| 31 | Te Kuiti | 111 (3) | | | |
| 42 | Te Whaiti | 111 (6) | | | |
| 106 | Tekapo | 279 (?) | | | |
| 21 | Thames | 91 (?), 101 (?), 106 (?), 110 (?), 118 (?), 122 (4), | 94 (?), 102 (?), 107 (?), 111 (4), 119 (?), 126 (2-3), | 97 (?), 103 (?), 108 (?), 116 (3), 120 (?), 257 (3), | 100 (?), 104 (?), 109 (?), 117 (?), 121 (3-4), |
| 40 | Tokaanu | 111 (4), | 183 (4), | 247 (3) | |
| 32 | Tokoroa | 111 (3) | | | |
| 37 | Tolaga Bay | 237 (3), 391 (4), | 263 (5), | 266 (3), | 337 (3), |
| 43 | Tuai | 111 (5), | 211 (4) | | |
| 82 | Wairau | 36 (3) | | | |
| 53 | Wairoa | 79 (3), 394 (3), | 111 (4), | 165 (3), | 363 (4), |
| 123 | Wanaka | 229 (4) | | | |
| 57 | Wanganui | 111 (3), 189 (3), | 145 (3), 190 (3), | 153 (4), 211 (5), | 162 (4), 224 (4), |
| 56 | Waverley | 111 (3), | 150 (4), | 211 (5) | |
| 68 | Wellington | 9 (3), 61 (3), 145 (3), 188 (4), 211 (5), 318 (4), | 21 (3), 64 (3), 152 (3), 191 (3), 224 (4), 394 (3), | 24 (3), 72 (3), 162 (1), 207 (?), 270 (3), | 36 (2), 95 (2), 173 (?), 208 (3), 312 (3), |

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|----|--------------|-----------------------------------|---------------------|-----------------------|---------------------|
| 79 | Westport | 19 (4), 221 (4), | 32 (4), 226 (4), | 82 (3), 328 (4), | 83 (4), |
| 27 | Whakatane | 27 (3-4), 111 (4), 266 (4), | 28 (4), 113 (3), | 29 (3-4), 203 (4), | 30 (4), 237 (3), |
| 48 | Whangamomona | 211 (4) | | | |

FELT EARTHQUAKES REPORTED FROM OUTSIDE NEW ZEALAND

The Observatory sometimes receives reports of felt earthquakes from islands in the south west Pacific and other places beyond the limits of its systematic reporting network. The following reports were received during 1963.

| | | | | |
|------|---------|----------------|----------------|--|
| 1963 | Jan 4d | 01h 41m | Raoul Island | MM2 |
| | Mar 28d | 11h 14m | Raoul Island | MM3 |
| | Mar 29d | 11h 31m | Raoul Island | MM3 |
| | Mar 29d | 21h 17m | Raoul Island | MM3 |
| | Mar 31d | 05h 31m | Raoul Island | MM4 |
| | Mar 31d | 09h 08m | Raoul Island | MM4 |
| | Apr 9d | 15h 04m | Raoul Island | MM2 |
| | Apr 22d | 07h 23m | Raoul Island | MM3 |
| | Jul 30d | 04h 27m | Raoul Island | MM2 |
| | Jul 30d | 05h 46m | Raoul Island | MM3 |
| | Jul 30d | 14h 23m | Raoul Island | MM2 |
| | Jul 30d | 15h 04m | Raoul Island | MM2 |
| | Aug 14d | 02h 48m | Tonga | MM1-2 |
| | Aug 16d | 07h to 11h 30m | Niuafu'ou | "Continuous tremors" |
| | Sep 14d | 04h 55m | Niuafu'ou | MM2 |
| | Nov 27d | 05h 06m | Raoul Island | MM1 |
| | Nov 30d | 23h 37m | Niuafu'ou | MM3 |
| | Dec 18d | 00h 30m | Haapai (Tonga) | "General E-W movement for several minutes" |
| | Dec 21d | 12h 35m | Tonga | MM4 |
| | Dec 22d | 18h 00m | Haapai (Tonga) | MM3 |

UNCONFIRMED REPORTS

The following shocks reported to have been felt cannot be confirmed either by an instrumental record or by an independent report:

| | | | | |
|------|---------|---------|----------------------|----------------|
| 1963 | Jan 18d | 07h 15m | Kohurau (125) | MM3 |
| | 25d | 23h 25m | Kawerau (34) | MM3 |
| | Feb 17d | 08h 45m | Ngakuru (33) | MM3 |
| | 23d | 09h 30m | Guthrie-Ngakuru (33) | MM3 |
| | Apr 1d | 01h 30m | Hawarden (95) | MM4 |
| | 10d | 22h± | Thornton's Bay (21) | "Mild" |
| | 10d | 22h± | Thornton's Bay (21) | "Fairly sharp" |
| | 11d | 01h 50m | Westport (79) | "Slight" |
| | 11d | 02h 06m | Westport (79) | "Slight" |
| | 11d | 02h 14m | Westport (79) | "Slight" |

| | | | |
|---------|-----------------|--------------------------------------|-----------------------|
| 11d | 03h± | Thornton's Bay (21) | "Sharp" |
| 11d | 05h 30m± | Thornton's Bay (21) | "Quite sharp" |
| 11d | 16h 00m | Waihi (21) | MM1 |
| 12d | 07h 40m | Waipawa (60) | MM3 |
| 12d | 13h 18m | Thornton's Bay (21) | "Slight" |
| 13d | 08h 30m to 10h± | Ngakuru (33) | MM2 |
| 13d | 08h 41m | Thornton's Bay (21) | "Mild" |
| 13d | 10h 16m | Table Flat (58) | MM4 |
| 23d | 13h to 14h | Moa Flat (142) | MM2 |
| 25d | 04h 30m | Waikite Valley (33) | MM4 |
| 28d | 17h 23m | Ngutunui (31) | MM2 |
| 29d | 21h 34m | Tinwald (108) | MM3-4 |
| Jun 18d | 12h 01m | Patoka (52) | MM3 |
| Jul 4d | 11h 27m | Whakatane (27) | MM4 |
| 11d | 05h 48m | Tutira (52) | MM5 |
| 14d | 13h 15m | Havelock (77) | MM4 |
| 14d | 15h 03m | Tarata (47) | MM4 |
| 14d | 20h 05m | Nelson (76) | MM4 |
| 15d | 07h 43m | Westport (79) | MM4 |
| Aug 8d | 23h 10m | Arrowtown (122) | MM5 |
| 13d | 15h 45m | Ross (91) | MM4 |
| Sep 4d | 16h± | Te Pua Springs (37) | MM4 |
| 6d | 10h 02m | Dunedin (145) | MM3 |
| Nov 28d | 15h 25m | Te Rangi (52) | MM4 |
| 29d | 02h 39m | Westport (79) | "Light" |
| 30d | 04h 20m | Manapouri (139) | MM4 |
| Dec 17d | 02h 40m | Christchurch (110) | Probably an explosion |
| 17d | 04h 15m | Christchurch (110) | Probably an explosion |
| 30d | 10h 40m | Point Wells, Whangateau Harbour (13) | MM4 |

PUBLICATIONS

During 1963 the following papers by members of the Seismological Observatory staff were published: -

417 ADAMS, R.D.: Source Characteristics of Some Deep New Zealand Earthquakes.

N.Z. J. Geol. Geophys. 6: 209-20.

Earthquakes have recently occurred under the North Island of New Zealand, near 39°S, 175°E, at various depths down to 600 km. First-motion patterns of apparently opposite sense have been found for two groups of earthquakes with virtually the same epicentre but depths of about 230 and 600 km respectively. First motions are referred to the focal sphere; the commonly used "extended distance" method of displaying the results has the disadvantage of giving undue prominence to readings from distant phases. Comparisons of these New Zealand earthquakes among themselves and with the deep Spanish earthquake of 1954 suggest that the mechanism of earthquakes is not so closely related to surface geological features as has been supposed.

418 EVISON, F.F.: Thickness of the Earth's Crust in Antarctica and the Surrounding Oceans: A Reply.

Geophys. J. R. Astr. Soc. 7: 469-76.

The paper of Evison, Ingham, Orr and Le Fort on the dispersion of earthquake waves traversing Antarctica has recently been criticised by Bentley and Ostensio and by Kovach and Press. The discovery that the crust of eastern Antarctica is of continental thickness whilst that of Marie Byrd Land is some 10 km thinner is accepted by these critics, but they object to the two-layer and three-layer models used in obtaining this result, and also to the values that were assigned to the velocity parameters. For detecting large differences in crustal thickness, however, the traditional simple models have not been invalidated by the advent of the digital computer, which comes into its own with subtler problems; but the velocities appropriate to a simple model are not necessarily those indicated by refracted waves. Kovach and Press also criticise the use of Love waves rather than Rayleigh waves for investigating the oceanic crust around Antarctica. Their arguments on this point carry the unsatisfactory implications that the average velocity in the oceanic crust ought to increase with the thickness, and that there should be gross regional departures from isostasy at sea.

419 ADAMS, R.D. and LEFORT, J.H.: The Westport Earthquakes, May 1962.

N.Z. J. Geol. Geophys. 6: 487-509.

A sequence of over 80 earthquakes occurred in 1962 off the coast near Westport, New Zealand. The first and largest shock took place on May 10 and had a magnitude of 5.9; the next largest, on May 17, had a magnitude of 5.6. The epicentres of these two earthquakes have been accurately determined from readings at local seismograph stations;

the strong crustal phases, felt effects, and arrival times of phases at overseas stations all show that the foci were shallow. Late arrivals at Australian stations indicate a lower velocity in the upper mantle beneath the Tasman Sea than is implied by the Jeffreys-Bullen Tables.

- S-120 EVISON, F.F.: Lessons from Agadir.
N.Z. Engineering 18: 369-71.

A criticism of seismic zoning proposals that would relax building-code requirements in parts of New Zealand that have not experienced a large shock in historic times. All parts of the country are seismically active, and even where shocks are infrequent they may, when they occur, give rise to high local intensity.

- S-121 EVISON, F.F.: Earthquakes and Faults.
Bull. Seismol. Soc. Amer. 53: 873-94.

The hypothesis that earthquakes are caused by faulting has been prominent in seismological theory for half a century, but continues to present many difficulties. Although the chief support comes from studies of large shallow earthquakes that have been accompanied by surface faulting, the evidence given by these infrequent events can be interpreted otherwise. No satisfactory explanation of deep-focus earthquakes has emerged; sudden faulting may be essentially a surface phenomenon. Nor does the hypothesis aid the understanding of such phenomena as sudden regional uplift, or slow fault creep. There is much to encourage the view that fracture of the ground is but a gross form of earthquake damage. On the other hand, the similarity between natural earthquakes and underground nuclear explosions, as radiators of seismic waves, suggests that sudden local phase transitions may provide a source mechanism for earthquakes at all depths.

- S-122 ADAMS, R.D. and RANDALL, M.J.: Observed Triplication of PKP.
Nature 200: 744-5.

Details of the variation of seismic velocity near the boundary of the inner core are examined. The PKP travel-time curve from 148° - 156° is shown to be triple, confirming observations by Bolt and Hal.

- E-139 New Zealand Seismological Report 1958.

- E-140 New Zealand Seismological Report 1959.

The annual "New Zealand Seismological Reports" are the final form of all standard information gathered by the Seismological Observatory, Wellington. Because of their comprehensive nature, they cannot appear until some time after the events to which they refer. However, readings of important earthquakes are cabled immediately to the United States Coast and Geodetic Survey in Washington to be used in their rapid epicentre determinations. Fortnightly bulletins with more detailed readings are sent to seismological data centres and to observatories with a special need for them. These preliminary bulletins include data from Wellington, Raoul Island, Scott Base, and also from one or two stations in the north of New Zealand and from one station in the far south. Readings from Afiamalu are distributed separately as preliminary air letters and final monthly bulletins.

The Seismological Observatory is a branch of the Geophysics Division of the New Zealand Department of Scientific and Industrial Research. It is the direct descendent of the Colonial Time Service Observatory, later the Hector Observatory, and then the Dominion Observatory, which began keeping earthquake records in the middle of last century. Instrumental recording began in 1900. In 1926 the Dominion Observatory was incorporated in the newly formed Department of Scientific and Industrial Research, and in 1951 was attached to the Geophysics Division of that Department. It is now responsible for maintaining the network of seismograph stations in New Zealand and in neighboring territories, and for the scientific study of earthquake origins and effects in New Zealand.

LIST OF MAPS

(in pocket inside back cover)

1. Epicentres of Normal Focus Earthquakes in 1963
2. Epicentres of Deep Focus Earthquakes in 1963
3. Isoseismals for the Earthquake of 1963 April 12
4. Isoseismals for the Earthquake of 1963 July 14

SCALE
0 50 100
Kilometres

R. E. Owen Government Printer Wellington New Zealand
MAP 1