WASHINGTON DIVISION OF GEOLOGY AND EARTH RESOURCES
Raymond Lasmanis, State Geologist

# EARTHQUAKE HYPOCENTERS IN WASHINGTON AND NORTHERN OREGON—1980

by

ANTHONY QAMAR, ANNE RATHBUN, RUTH LUDWIN,
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# EARTHQUAKE HYPOCENTERS IN WASHINGTON AND NORTHERN OREGON — 1980

by

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**Robert S. Crosson, and Stephen D. Malone***

## INTRODUCTION

The Geophysics Program at the University of Washington operates a continuously recording, telemetered seismograph network in Washington (Figs. 1 and 2). This report is the ninth in an annual series designed to provide a standardized compilation of earthquake locations. This is the first report to cover earthquakes for the whole state of Washington; previous reports covered earthquakes in western Washington only. Appendices I and II list hypocentral locations for 2,089 earthquakes and blasts exceeding coda-length magnitude $M_C$ 1.0 that occurred in 1980. "Hypocenter" refers to the subsurface point where the earthquakes occurs, while "epicenter" indicates the point on the Earth's surface directly above the hypocenter. The distribution of earthquake epicenters in Washington during 1980 is shown in Figures 3 and 4. Minor earthquakes are shown in Figure 5, and blasts in Figure 6. Figure 7 shows earthquakes located in Washington that were reported as felt.

A companion document describing, in detail, the seismograph stations and their calibration, the processing of seismic data, and the development of crustal velocity models is in preparation.

The number of events located each year depends on four basic factors: the number of stations operating, the locations of earthquakes relative to recording stations, the earthquake magnitudes, and the number of earthquakes in the area monitored. Ignoring the inherent variability of the data may lead to incorrect interpretations. When used carefully, the data in this report may enhance evaluations of seismic hazard potential, as well as contribute to basic studies in seismology, Earth structure, and tectonics.

Compilations of earthquakes in western Washington have been published by the Washington Department of Natural Resources for the years 1970-1979 (Crosson, 1974,1975; Crosson and Millard, 1975; Crosson and Noson, 1978a,1978b,1979; Noson and Crosson, 1980; Noson and others, 1985). Earthquakes in eastern Washington from 1969 to 1979 are covered in annual technical reports available from the University of Washington Geophysics Program (Malone, 1975, 1976,1977,1978,1979). Data for eastern Washington earthquakes for 1969-1974 are given as an appendix in Malone (1979). A listing of larger historic earthquakes in Washington State from 1840 to 1965 was compiled by Rasmussen (1967).

* The authors are members of the Geophysics Program at the University of Washington.

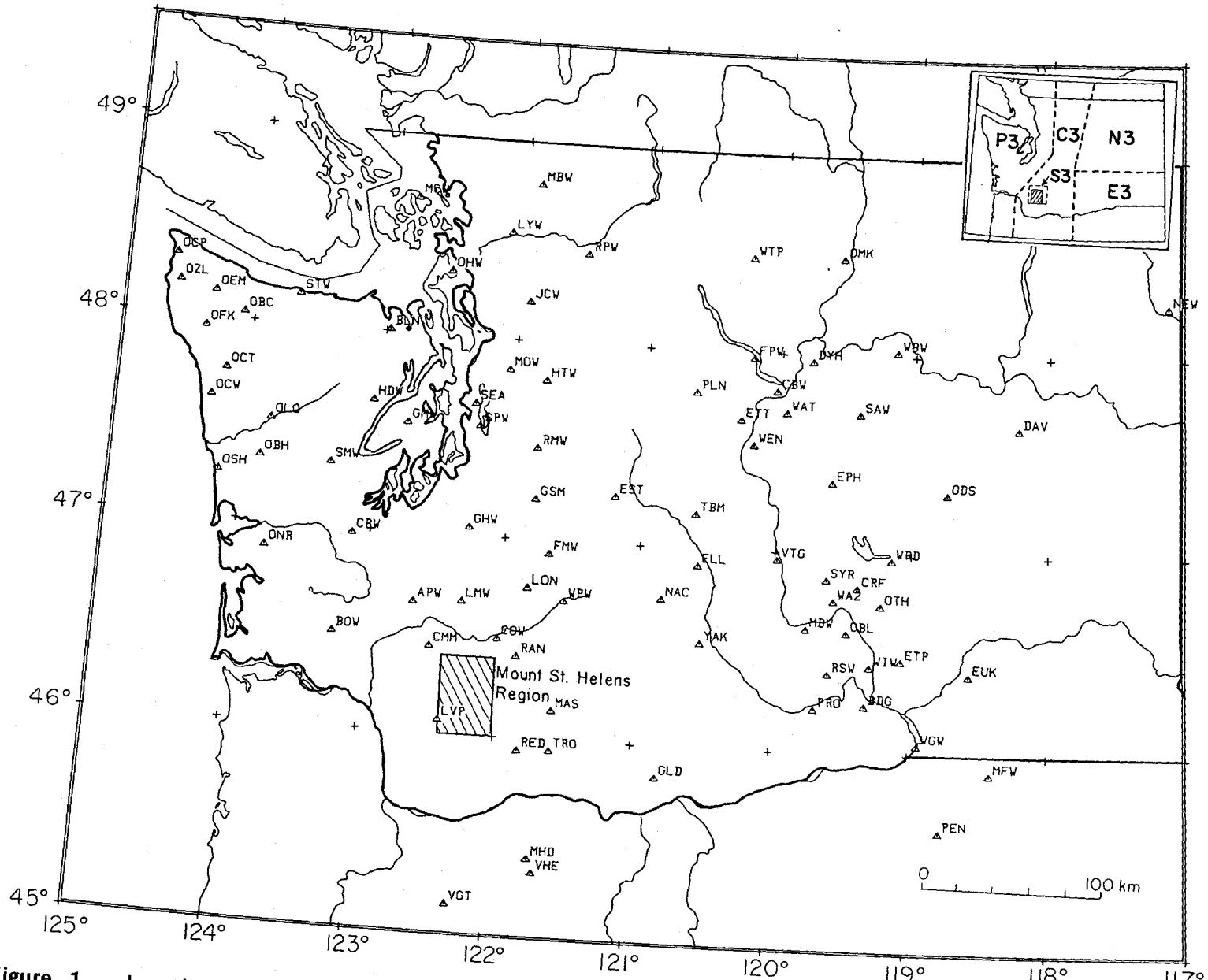


**Figure 1.** Location map for seismograph stations operating in 1980. Stations in shaded box are shown in Figure 2. Inset shows the five regions for which different crustal velocity models (P3, C3, N3, E3, and S3) are used to locate hypocenters.

**Table 1. Stations operating in 1980; see also Figures 1 and 2 for locations.**

| Station Designator | Latitude (dg mn sec) | Longitude (dg mn sec) | Elevation (km) | Station Name |
|---|---|---|---|---|
| APW | 46 39 06.0 | 122 38 51.0 | 0.457 | Alpha Peak |
| BDG | 46 14 04.8 | 119 19 03.0 | 0.430 | Badger Mt. |
| BFW | 46 29 12.0 | 123 12 53.4 | 0.902 | Boistfort Mountain |
| BLN | 48 00 26.5 | 122 58 18.6 | 0.585 | Blyn Mountain |
| BOW | 46 28 30.0 | 123 13 41.0 | 0.870 | Boistfort Mountain |
| CBW | 47 48 25.5 | 120 01 57.6 | 1.160 | Chelan Butte |
| CDF | 46 06 58.2 | 122 02 51.0 | 0.780 | Cedar Flat |
| CMM | 46 26 07.0 | 122 30 21.0 | 0.620 | Crazy Man Mountain |
| COW | 46 29 27.6 | 122 00 43.6 | 0.305 | Cowlitz River |
| CPW | 46 58 25.8 | 123 08 10.8 | 0.792 | Capitol Peak |
| CRF | 46 49 30.6 | 119 23 18.0 | 0.260 | Corfu |
| DAV | 47 38 18.0 | 118 13 33.6 | 0.758 | Davenport |
| DOG | 46 12 22.2 | 122 10 30.0 | 2.317 | Dogs Head |
| DYH | 47 57 37.8 | 119 46 09.6 | 0.820 | Dyer Hill |
| EDM | 46 11 50.4 | 122 09 00.0 | 1.609 | East Dome Mt. St. Helens |
| ELK | 46 18 20.0 | 122 20 27.0 | 1.270 | Elk Rock |
| ELL | 46 54 35.0 | 120 34 06.0 | 0.805 | Ellensburg |
| EPH | 47 21 07.8 | 119 35 46.2 | 0.628 | Ephrata |
| EST | 47 14 16.8 | 121 12 21.8 | 0.756 | Easton |
| ETP | 46 27 53.4 | 119 03 32.4 | 0.250 | Eltopia |
| ETT | 47 39 18.0 | 120 17 36.0 | 0.439 | Entiat |
| EUK | 46 23 45.0 | 118 33 43.5 | 0.350 | Eureka |
| FLT | 46 11 21.3 | 122 21 22.5 | 1.387 | Flat Top |
| FMW | 46 55 54.0 | 121 40 19.2 | 1.890 | Mt. Fremont |
| FPW | 47 58 09.0 | 120 12 46.5 | 0.352 | Fields Point |
| GBL | 46 35 51.6 | 119 27 35.4 | 0.330 | Gable Mountain |
| GHW | 47 02 30.0 | 122 16 21.0 | 0.268 | Garrison Hill |
| GLD | 45 50 13.0 | 120 48 46.0 | 0.610 | Goldendale |
| GMW | 47 32 52.5 | 122 47 10.8 | 0.506 | Gold Mountain |
| GSM | 47 12 11.4 | 121 47 40.2 | 1.305 | Grass Mountain |
| HDW | 47 38 54.6 | 123 03 15.2 | 1.006 | Hoodsport |
| HTW | 47 48 12.5 | 121 46 08.6 | 0.829 | Haystack Lookout |
| JCW | 48 11 36.6 | 121 55 46.2 | 0.616 | Jim Creek |
| JUN | 46 08 48.0 | 122 09 10.8 | 1.049 | June Lake |
| LMW | 46 40 04.8 | 122 17 28.8 | 1.195 | Ladd Mountain |
| LON | 46 45 00.0 | 121 48 36.0 | 0.853 | Longmire (WWSSN) |
| LVP | 46 04 06.0 | 122 24 30.0 | 1.170 | Lake View Peak |
| LYW | 48 32 07.2 | 122 06 06.0 | 0.107 | Lyman |
| MAS | 46 08 41.0 | 121 35 30.7 | 1.370 | Mt Adams South |
| MBW | 48 47 02.4 | 121 53 58.8 | 1.676 | Mt. Baker |
| MCW | 48 40 46.8 | 122 49 56.4 | 0.693 | Mt. Constitution |
| MDW | 46 36 48.0 | 119 45 39.0 | 0.330 | Midway |
| MFW | 45 54 10.8 | 118 24 21.0 | 0.395 | Milton-Freewater |
| MHD | 45 23 51.0 | 121 42 10.5 | 2.231 | Barrett Spur |
| MOW | 47 50 46.9 | 122 02 52.9 | 0.180 | Monroe |
| MTM | 46 01 31.8 | 122 12 42.0 | 1.121 | Mt. Mitchell |
| NAC | 46 44 03.8 | 120 49 33.2 | 0.738 | Naches |
| NEW | 48 15 50.0 | 117 07 13.0 | 1.000 | Newport Observatory (USGS) |
| OBC | 48 02 07.1 | 124 04 39.0 | 0.938 | Olympics - Bonidu Creek |

**Table 1. Continued.**

| Station Designator | Latitude (dg mn sec) | Longitude (dg mn sec) | Elevation (km) | Station Name |
|---|---|---|---|---|
| OBH | 47 19 34.5 | 123 51 57.0 | 0.383 | Olympics - Burnt Hill |
| OCP | 48 17 58.5 | 124 37 37.5 | 0.487 | Cheela Pk |
| OCT | 47 44 57.0 | 124 10 25.8 | 0.743 | Mt Octopus |
| OCW | 47 36 30.0 | 124 16 04.1 | 0.195 | Clearwater |
| ODS | 47 18 24.0 | 118 44 42.0 | 0.523 | Odessa |
| OEM | 48 07 46.5 | 124 18 13.5 | 0.712 | Ellis Mt |
| OFK | 47 57 00.0 | 124 21 28.1 | 0.134 | Olympics - Forks |
| OHW | 48 19 24.0 | 122 31 54.6 | 0.054 | Oak Harbor |
| OLQ | 47 30 58.1 | 123 48 31.5 | 0.121 | Olympics - Lake Quinault |
| OMK | 48 28 49.2 | 119 33 39.0 | 0.421 | Omak |
| ONR | 46 52 37.5 | 123 46 16.5 | 0.257 | Olympics - North River |
| OSH | 47 14 08.6 | 124 09 57.4 | 0.110 | Sunset Hill |
| OTH | 46 44 20.4 | 119 12 59.4 | 0.260 | Othello |
| OZL | 48 10 06.0 | 124 35 06.0 | 0.195 | Ozette Lake |
| PEN | 45 36 43.2 | 118 45 46.5 | 0.430 | Pendleton |
| PLN | 47 47 04.8 | 120 37 58.8 | 2.000 | Plains |
| PRO | 46 12 45.6 | 119 41 09.0 | 0.552 | Prosser |
| RAN | 46 24 30.0 | 121 51 49.0 | 1.620 | Randle |
| RED | 45 56 13.2 | 121 49 10.8 | 1.510 | Red Mt. |
| RMW | 47 27 35.0 | 121 48 19.2 | 1.024 | Rattlesnake Mountain |
| RPW | 48 26 54.0 | 121 30 49.0 | 0.850 | Rockport |
| RSW | 46 23 28.2 | 119 35 19.2 | 1.037 | Rattlesnake Mountain |
| SAW | 47 42 06.0 | 119 24 03.6 | 0.690 | St. Andrews |
| SBL | 46 20 25.2 | 122 02 19.8 | 1.665 | Strawberry LO |
| SEA | 47 39 18.0 | 122 18 30.0 | 0.030 | Seattle, Univ. Wash. |
| SHW | 46 11 33.0 | 122 14 12.0 | 1.423 | Mount St. Helens |
| SMW | 47 19 10.2 | 123 20 30.0 | 0.840 | South Mountain |
| SOS | 46 14 38.5 | 122 08 12.0 | 1.270 | Source of Smith Creek |
| SPW | 47 33 13.3 | 122 14 45.1 | 0.008 | Seward Park |
| STW | 48 09 00.8 | 123 40 12.0 | 0.308 | Striped Peak |
| SYR | 46 51 46.8 | 119 37 04.2 | 0.267 | Smyrna |
| TBM | 47 10 10.0 | 120 35 58.0 | 1.064 | Table Mountain |
| TLK | 45 57 44.0 | 121 35 3.0 | 0.756 | Trout Lake |
| TRO | 45 56 37.8 | 121 35 27.6 | 0.829 | New Trout Lk |
| VGT | 45 08 59.4 | 122 15 55.2 | 0.993 | Goat Mtn. |
| VHE | 45 19 45.0 | 121 39 57.0 | 1.646 | Mt. Hood East |
| VTG | 46 57 28.8 | 119 59 14.4 | 0.208 | Vantage |
| WA2 | 46 45 24.2 | 119 33 45.5 | 0.230 | Wahluke Slope |
| WAT | 47 41 55.0 | 119 57 15.0 | 0.900 | Waterville |
| WBW | 48 01 04.2 | 119 08 13.8 | 0.825 | Wilson Butte |
| WEN | 47 31 46.2 | 120 11 39.0 | 1.061 | Wenatchee |
| WGW | 46 02 40.8 | 118 55 57.6 | 0.158 | Wallula Gap |
| WIW | 46 25 48.8 | 119 17 13.4 | 0.130 | Wooded Island |
| WPW | 46 41 53.4 | 121 32 48.0 | 1.250 | White Pass |
| WRD | 46 58 11.4 | 119 08 36.0 | 0.378 | Warden |
| WTP | 48 28 16.2 | 120 14 52.2 | 0.855 | Winthrop |
| YAK | 46 31 15.8 | 120 31 45.2 | 0.619 | Yakima |

## Network Operations

The seismograph network in Washington and northern Oregon (Figs. 1 and 2) operated by the University of Washington in 1980 consisted of as many as 94 short-period, vertical-component, telemetered seismograph stations, a three-component (both short-period and long-period) World Wide Standardized Seismograph Network (WWSSN) station at Longmire (LON) and two horizontal-component Wood-Anderson seismographs at Seattle (SEA). Station coordinates and elevations are given in Table 1. Each station, except WWSSN station LON, consisted of a vertical-component, short-period seismometer, an amplifier, a voltage-controlled oscillator and, at some stations, radiotelemetry equipment to transmit data to the central recording laboratory at the University of Washington.

Data from most of the seismograph stations in the network were recorded by three Geotech Develocorders on 16-mm film at a speed of 15 mm per minute. Early in the year we began digitally recording data from all stations in the network using a Digital Equipment Corporation PDP 11/34 computer. The computer operates in an "event triggered" mode, recording data (at 100 samples per second) only when a seismic event is detected. The digital recording is closely modeled after the CEDAR system developed at the California Institute of Technology by Johnson (1979).

## Earthquake Analysis Procedure

Most of the earthquakes in 1980 were located from digital data recorded by our online PDP 11/34 computer. The reading of arrival times, first motion polarities, and signal durations was done using interactive computer programs on a PDP 11/70 computer. Some of the earthquakes, particularly those in early 1980, were read from the analog Develocorder film data. These earthquakes are designated as type "H" in the appendices.

Detected events were classified and entered into a processing list in the following categories: teleseisms (epicentral distance greater than 1,000 km), regionals (distance less than 1,000 km), and local events (epicenter within the network). Most local events large enough to be well recorded on at least three stations were analyzed, and readings were collected for computer location runs. Locations determined for 1980 appear in Appendices I and II.

The location program, based on the standard non-linear least squares inversion scheme of Geiger (1912), has been optimized for use with Washington array data. The accuracy of locations determined with this program depends on the accuracy of the crustal model, the station distribution around the epicenter, station spacing, number of stations used, and quality of arrival time data.

We have used a different velocity model and set of station corrections for each of five regions in Washington and Oregon. The regions are shown as an inset on Figure 1. As a general rule, we locate earthquakes by giving full weight to P arrival times at stations within (50+d) km of the epicenter (where d = the distance from the epicenter to the nearest station) and reduced weight to P readings at more distant stations. Usually, P readings at stations farther than (150+d) km from the epicenter are not used. Well-recorded S readings are also used from stations within 50 km of the epicenter. These guidelines may be relaxed for very deep earthquakes or earthquakes near the edge of the seismograph net.

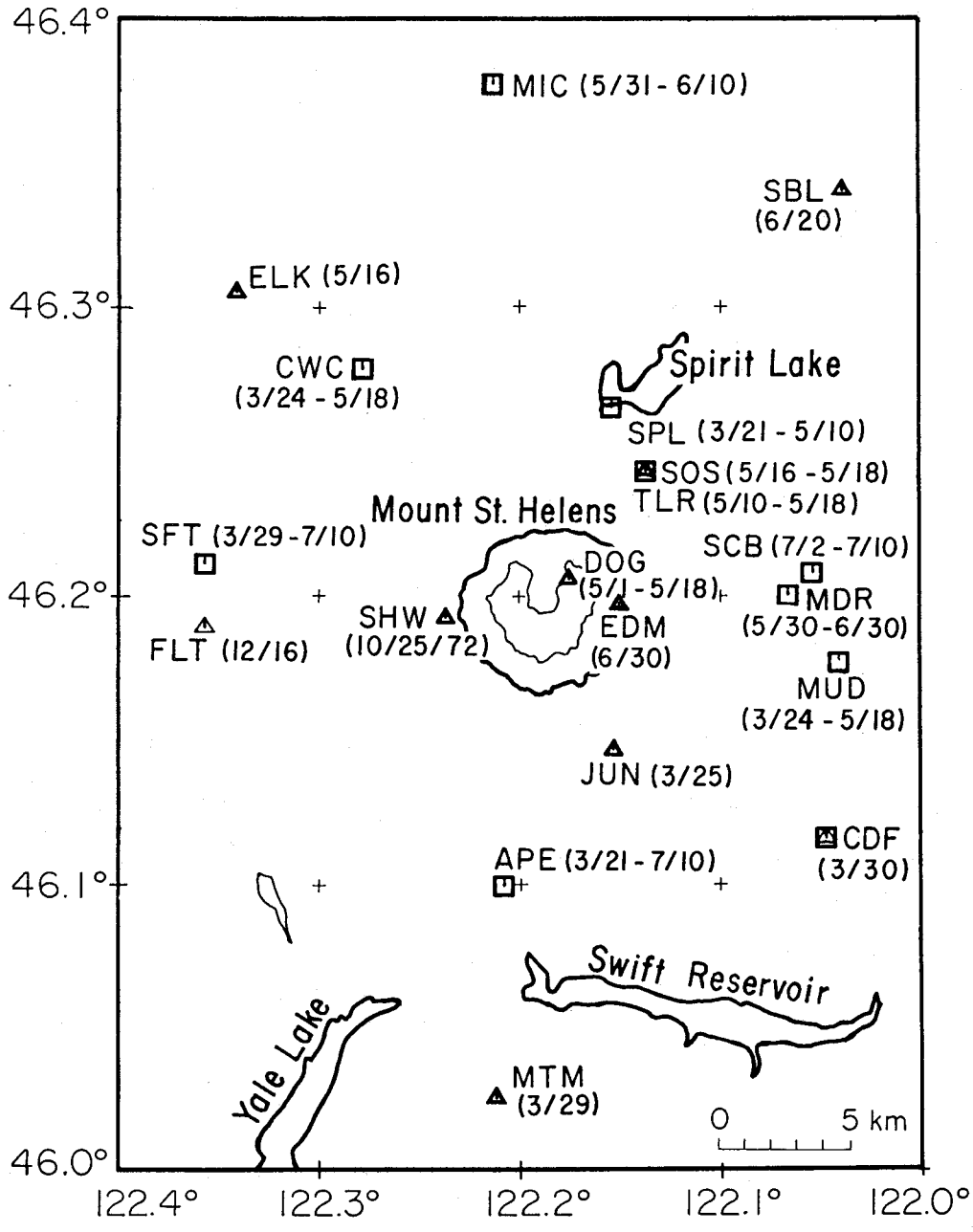


**Figure 2.** Seismograph stations in the Mount St. Helens region and dates of operation during 1980. Triangles are telemetry stations, and squares are portable seismographs equipped with analog tape recorders at the site. Where only one date is shown, the station continued to operate until the end of 1980. Stations ELK, CWC, SOS, TLR, DOG, and MUD were destroyed during the eruption of May 18, 1980. ELK operated on May 16-18, May 24-25, and from June 12 to the end of 1980. Station SHW has operated on the flank of Mount St. Helens since 1972. It was the only seismograph in the region prior to March 1980. Station CMM (Fig. 1) was a portable seismograph from April 9 to June 15 and a telemetered station thereafter. Two elevation contours are shown on Mount St. Helens: 1,500 m above mean sea level, as in Figure 4; and 1,950 m, showing the crater floor after the eruption of May 18, 1980.

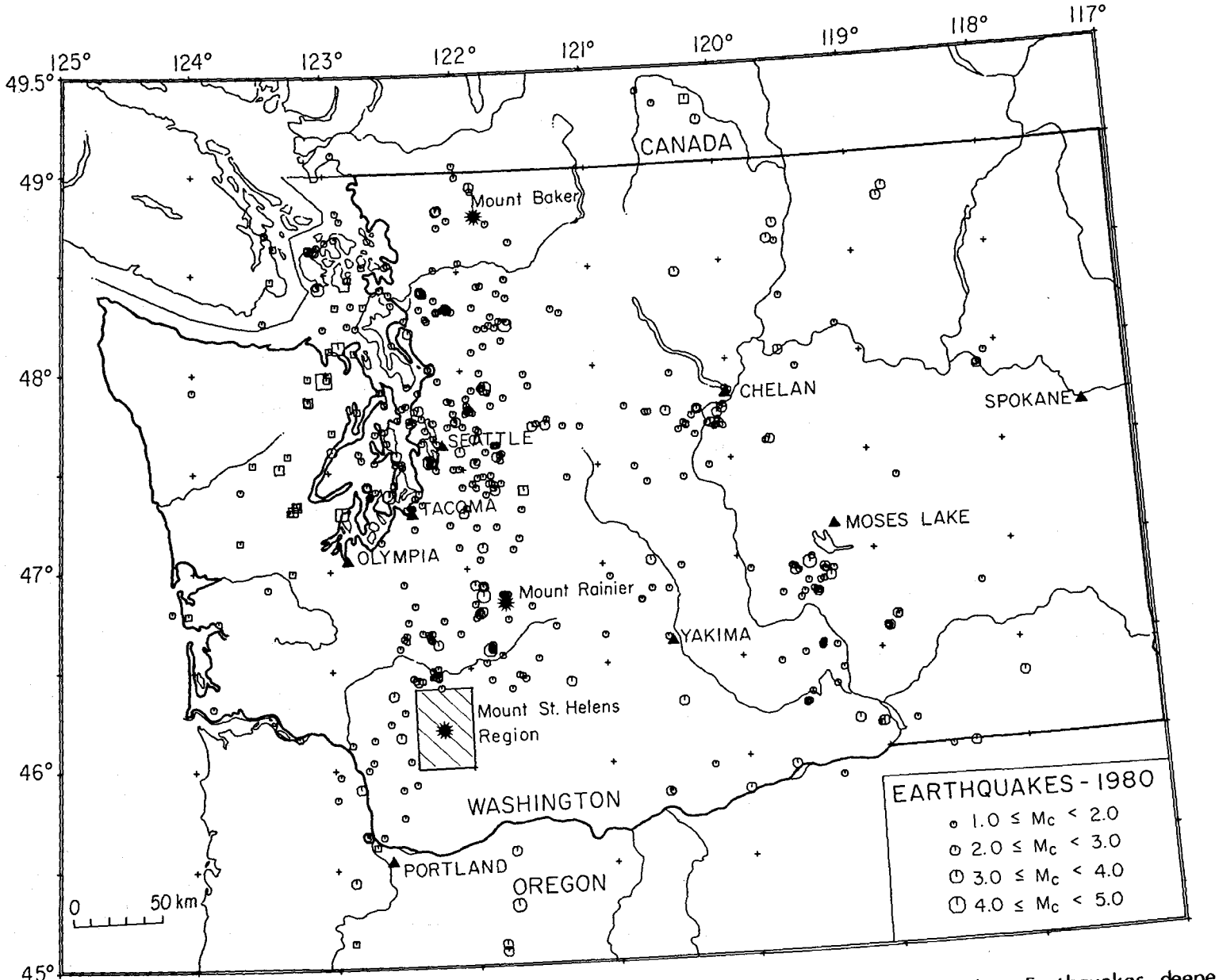


**Figure 3.** Earthquake epicenters for Washington and northern Oregon in 1980, $M_C \geq 1$. Earthquakes deeper than 30 km are shown as squares. Equal-sized octagons and squares represent equal-magnitude earthquakes. Earthquakes in the Mount St. Helens region are shown in Figure 4. Asterisks indicate selected volcanoes.

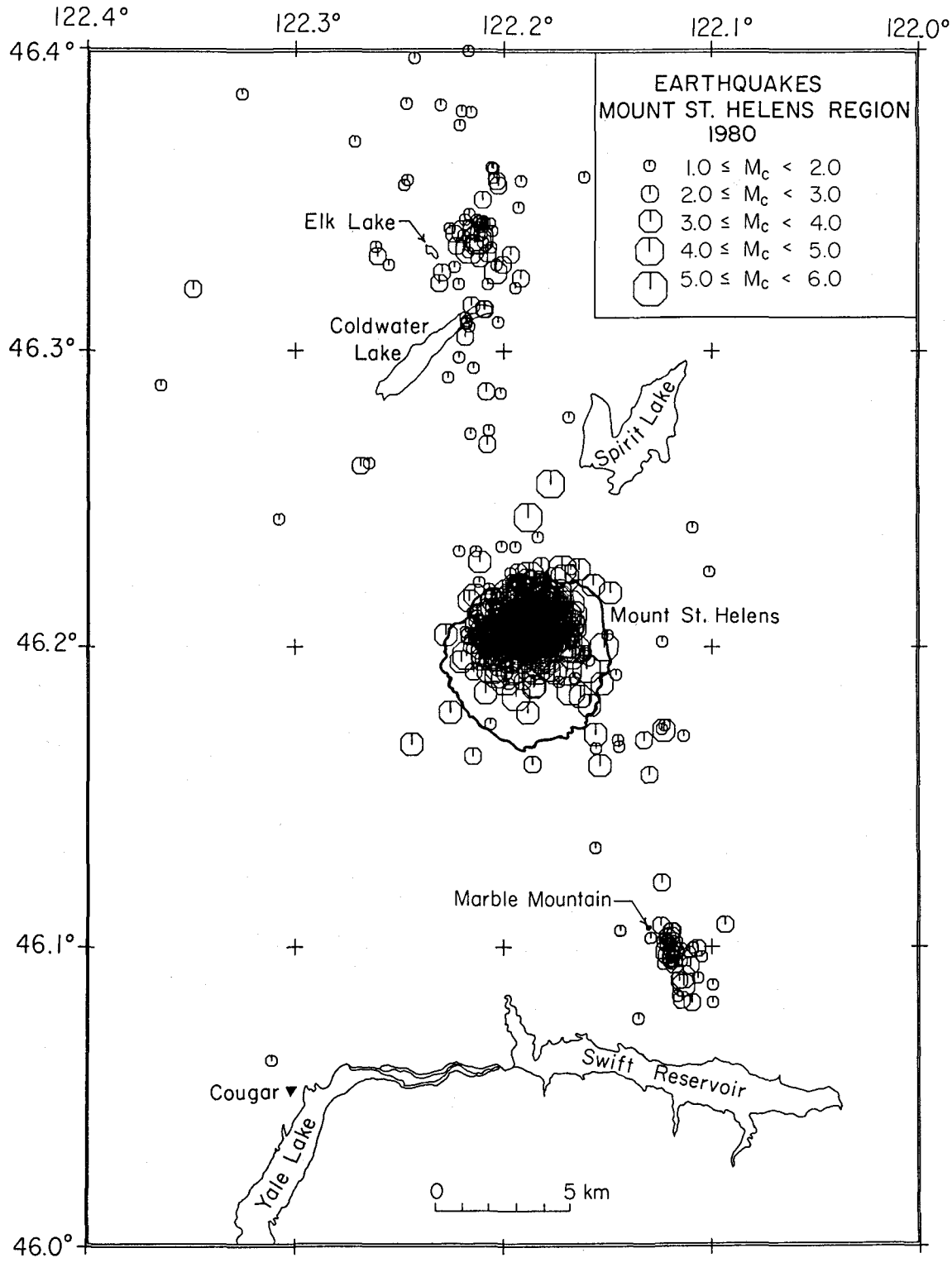


**Figure 4.** Earthquakes in the Mount St. Helens region in 1980. No D-quality earthquake epicenters are shown. All earthquakes have depths less than 30 km. (See descriptions of appendices.) Solid line around Mount St. Helens is the 1,500-m elevation contour.

In the computer location procedure the hypocentral parameters (that is, location and occurrence time) are modified until arrival time residuals (the observed minus the predicted P or S arrival times) are minimized. The root mean square (RMS) residual is one indicator of the overall quality of the solution. It is obtained by squaring each residual, summing the squares, dividing by the number of observations minus 4, and taking the square root of that quantity. A RMS residual is included with each event solution in Appendices I and II. Values less than 0.1 sec indicate a solution that fits the observed arrival-time data very well. Values greater than 0.5 sec usually indicate a poor solution. Earthquakes located with only three or four readings have RMS values of zero because there is only enough information to determine a unique solution. The RMS does not indicate the quality of the location unless more than four P or S readings are available. In addition, two quality factors, each rated A to D, are assigned to every event. The first factor is based on the RMS residual and horizontal and vertical location error estimates. The second factor depends on number of stations read, largest angular gap between stations, and distance from the epicenter to the nearest station. In each case, A is the highest and D the lowest quality.

Explosions are identified in the data set wherever possible. Criteria useful in distinguishing explosions are: shallow depths, positive P-wave polarity, clustering, time of day of occurrence, frequency, and, of course, direct verification. When explosions occur in unusual locations and are nonrepetitive, positive identification is difficult. Suspected or possible explosions are indicated in Appendices I and II as type "P". Confirmed explosions are indicated as type "X".

The magnitude of earthquakes is determined using a coda or signal duration technique. See equation (1) below. The method used is described by Crosson (1972), and the magnitude is referred to as coda magnitude or $M_C$ to distinguish it from magnitudes determined by other methods.

## DISCUSSION OF EARTHQUAKE ACTIVITY

Figures 3 and 4 and the two earthquake catalogs, in Appendices I and II, summarize earthquakes for 1980 that had magnitudes $M_C \geq 1$. Because the Mount St. Helens region was so active in 1980, it is illustrated in a separate figure. Minor earthquakes having magnitudes $M_C < 1$ are plotted in Figure 5. In all, we located 3,231 earthquakes and blasts having $M_C \geq 0.0$ in 1980. For $M_C \geq 1.0$, we located 1,349 tectonic and volcanic earthquakes in the Mount St. Helens region (Fig. 4) and 455 earthquakes and 285 blasts in the rest of the state (Figs. 3 and 6).

Figure 3 shows that deep earthquakes are principally confined to northwest Washington, commonly in the western part of the Puget Sound area although, farther east, very deep earthquakes occur occasionally. The deep earthquakes in the Puget Sound area are often taken as evidence that the Juan de Fuca plate is subducting toward the east, beneath Washington (Taber and Smith, 1985). The 96-km-deep earthquake of February 4, 1980 ($M_C$ 2.4), whose epicenter was located southwest of Snoqualmie Pass, is the deepest known earthquake in Washington. The largest deep earthquake during 1980 was the magnitude 4.2 earthquake on June 8 (depth 49 km) whose epicenter was 30 km southwest of Port Townsend. It had a normal-fault mechanism (Taber and Smith, 1985) indicating north-south tension near the hypocenter. Shallow earthquakes (depth less than 30 km) are more widely distributed in Washington. The crustal faults responsible for these earthquakes are not well documented.

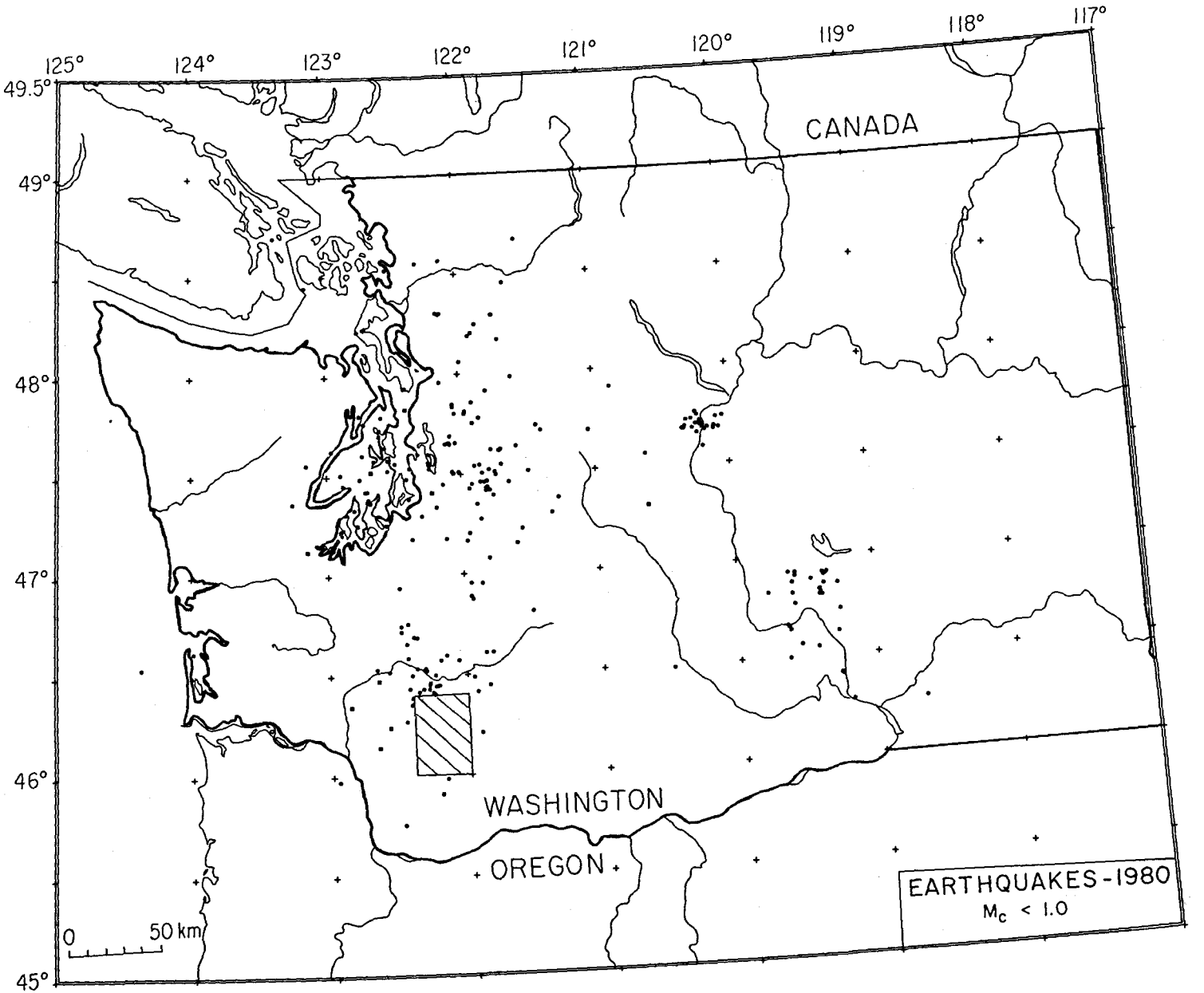


**Figure 5.** Minor earthquakes in Washington and northern Oregon in 1980, $M_c < 1$. Minor earthquakes in the Mount St. Helens region (shaded) are not shown.

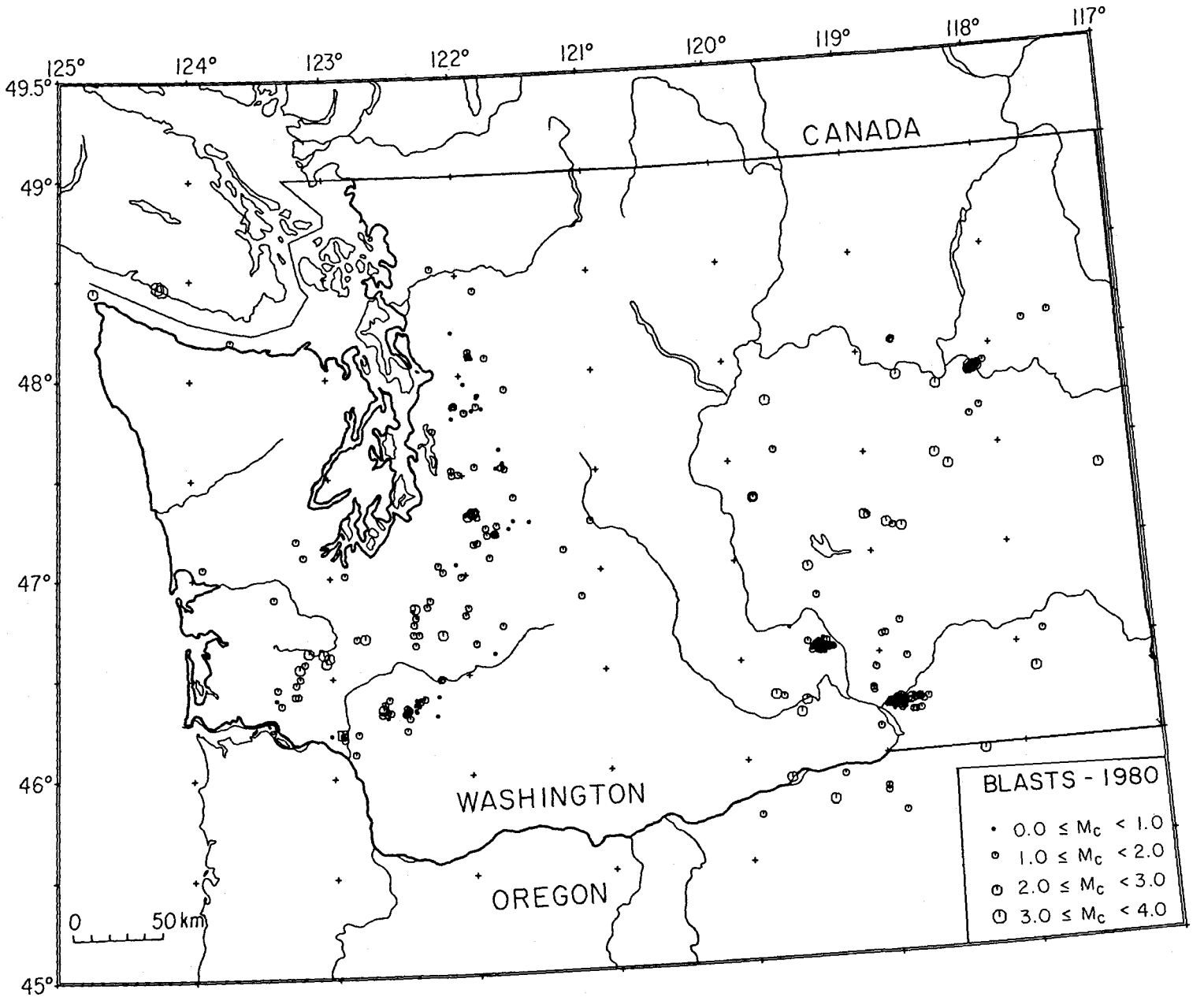


**Figure 6.** Blasts and probable blasts in Washington and northern Oregon in 1980, $M_C \geq 0$.

In eastern Washington clusters of earthquakes occurred southwest of Moses Lake and at Entiat (south of Lake Chelan). The Moses Lake activity may be associated with the east-west-trending Saddle Mountains fold. The region near Entiat is a persistent source of earthquakes.

In western Washington, shallow earthquakes were common in the Puget Lowland. A band of epicenters extends north-south along the western edge of the Cascades at longitude 122° W from the vicinity of Mount Baker to a point south of Mount Rainier. These earthquakes have not yet been reliably associated with surface faults. In an area farther south, Weaver and Smith (1983) have proposed the existence of the Mount St. Helens seismic zone because of the many shallow earthquakes whose epicenters trend northwest through Mount St. Helens for a distance of at least 90 km. This zone was very active in 1980 and was the site of earthquakes at Mount St. Helens, Elk Lake, and Marble Mountain (Fig. 4). Also, in 1980, a number of earthquakes were recorded in an area north of Portland, Oregon.

## FELT EARTHQUAKES

On April 16, a 50-km-deep ($M_C$ 3.8) earthquake occurred west of Port Townsend; it was reported felt at Esquimalt, B.C. (intensity I-II). Two earthquakes near Tacoma were felt, on April 27 ($M_C$ 3.7) and May 6 ($M_C$ 3.0); the first was felt (intensity IV) from Tacoma to Seattle and as far east as Bellevue. (See Figure 7 for locations of these and other felt earthquakes.)

The earthquake that accompanied the cataclysmic eruption of Mount St. Helens on May 18, 1980 ($M_C$ 5.7 and $M_{NEW}$ 5.0), was reported felt throughout Washington and Oregon in the 1980 edition of United States Earthquakes (Stover and Von Hake, 1982). (The Newport, Washington, magnitude $M_{NEW}$ is defined in a later section of this report.) The accompanying eruption was also reported heard in Washington, Oregon, Idaho, Montana, California, and Canada (Fairfield, 1980).

In tabulating felt reports of the May 18, 1980, earthquake at 15:32 UT, it was often difficult to distinguish between the effects of sound waves and ground shaking. The available evidence (for example, Rosenbaum and Waitt, 1981) indicates that the earthquake was felt by only a few persons near the mountain. Nearly 300 volcanic earthquakes exceeding coda magnitude 4.0 (100 exceeding $M_{NEW}$ 4.0) occurred prior to the May 18 eruption. Although many of these were felt on or near the mountain, far fewer were reported felt than might be expected. Because shallow volcanic earthquakes tend to radiate low-frequency waves (producing low acceleration ground vibrations), they are more difficult to feel. Several of the larger volcanic earthquakes were felt by individuals on or very near the mountain between March 20 and May 18, but, away from the mountain, they were usually felt only if their magnitude exceeded 4.5 (Qamar and others, 1983).

The May 18 eruption apparently triggered a swarm of tectonic earthquakes near Elk Lake, 17 km north of the volcano. These are summarized in a later section, but three Elk Lake earthquakes were reported felt on May 23 ($M_C$ 4.1) and May 28 ($M_C$ 4.1 and 4.0).

On June 8 another deep (49 km) earthquake occurred on the Olympic Peninsula and had a magnitude of 4.1. This was the largest Washington earthquake to occur in 1980 outside of the Mount St. Helens region. It was felt in Victoria,

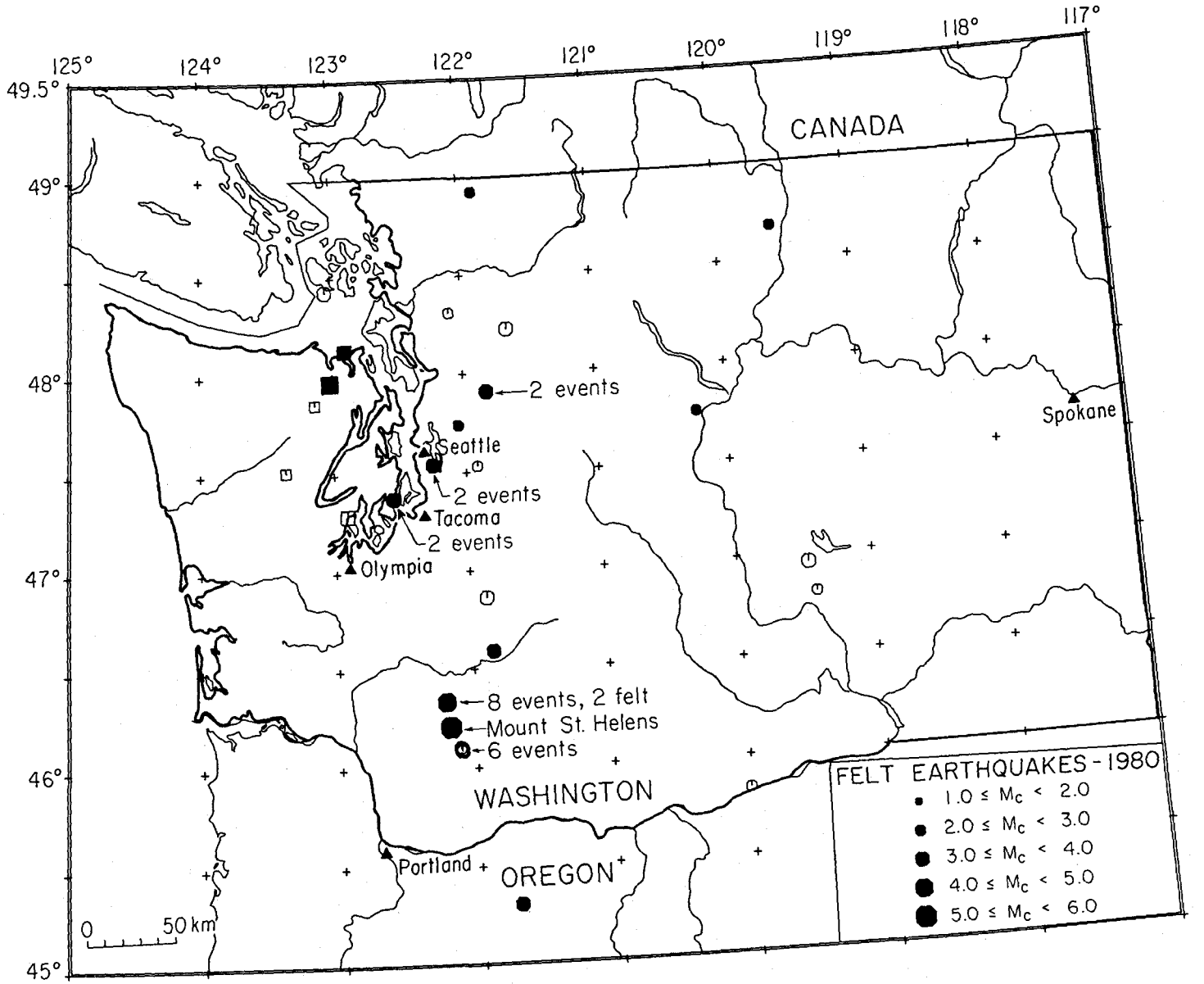


**Figure 7.** Felt and other important earthquakes in Washington and northern Oregon in 1980. All earthquakes in 1980 of $M_C \geq 2.7$ are shown. Earthquakes deeper than 30 km are shown as squares. (See caption, Fig. 1.) Earthquakes not felt are shown as open symbols, and felt earthquakes are shown as solid symbols.

B.C., in the San Juan Islands, and as far east as Mount Vernon (intensity IV). Two shallow earthquakes ($M_C$ 3.7 and 3.3) were felt strongly (intensity V) in Seattle on June 23.

In September three earthquakes were felt northeast of Seattle. The first two occurred on September 19 ($M_C$ 3.8) and September 21 ($M_C$ 3.5) and were felt near Monroe. A small earthquake on September 30 ($M_C$ 2.8) was felt in Duvall. In October small earthquakes were felt in Whatcom County near the Canadian border (October 16, $M_C$ 2.4) and in Packwood, 25 km south of Mount Rainier (October 19, $M_C$ 3.0).

## MOUNT ST. HELENS REGION

During 1980 the Mount St. Helens region was the most active earthquake zone in Washington and northern Oregon (Fig. 4). This was due principally to the eruption of Mount St. Helens, which not only caused thousands of volcanic earthquakes but apparently also triggered tectonic earthquakes to the north at Elk Lake and to the south at Marble Mountain. In 1979 we recorded three earthquakes that were located at Mount St. Helens--on October 13 ($M_C$ 1.4), November 14 ($M_C$ 2.0), and December 2 ($M_C$ 1.0). On February 9, 1980, a moderately large ($M_C$ 3.2) low-frequency earthquake occurred which may have signaled the first movement of magma in the mountain. However, the number of minor earthquakes at Mount St. Helens did not increase significantly until March 13. By March 17, there were at least 30 small events per day, and these led to a $M_C$ 4.2 earthquake on March 20. This earthquake was followed by 2 months of intense seismic energy release reported by Endo and others (1981).

Within 28 hours of the March 20 earthquake, four new seismographs were installed around Mount St. Helens to supplement the station SHW, which had operated on the mountain's west flank since 1972. By March 30 eleven stations were operating, and five more were later added. Many of the volcanic earthquakes that we located prior to the deployment of the new seismic stations are not as precisely located as later earthquakes, and they have been assigned the lowest, or "D", quality in Appendix II. Figure 4 does not show these D quality epicenters. Because of the overwhelming number of volcanic earthquakes between March 20 and the cataclysmic eruption of May 18, we have not processed all the seismic data, and the catalog of hypocenters in Appendix II is incomplete for volcanic earthquakes that may have $M_{NEW} < 4.0$ during that period.

Many of the earthquake locations for the period May 18 at 18:54 UT until May 19 at 00:42 UT are of poor quality because of the intense earthquake activity following the eruption at 15:32 UT on May 18, which obscured seismic signals. Many large earthquakes (some of them deep) occurred during the several hours following the eruption, and they are the subject of papers by Weaver and others (1981), Scandone and Malone (1985), Shemeta and Weaver (in press), and C. S. Weaver and J. E. Shemeta (written commun., 1986).

The 1980 Mount St. Helens earthquake patterns and volcanic eruptions were complex and are documented in more detail by Malone and others (1981), Weaver and others (1981), and Endo and others (1981), Qamar and others (1983), Shemeta and Weaver (in press), and C. S. Weaver and J. E. Shemeta (written commun., 1986). An important lesson learned was that the main eruption on May

18 and the later eruptions of May 25, June 12, July 22, August 17, and October 16 were all preceded by some sort of seismic activity (Malone and others, 1983). This knowledge allowed us to consistently predict the later eruptions of Mount St. Helens with an uncertainty of a few hours or days (Swanson and others 1983). The devastating eruption of May 18 was preceded by 2 months of intense earthquake activity (magnitudes as much as 5) and periods of volcanic tremor, whereas later eruptions were preceded by increased seismic activity lasting from a few hours to a few days. Other than the thousands of earthquakes between March 20 and May 18, no distinctive earthquake activity seemed to signal the ultimate eruption at 15:32 UT and the $M_c$ 5.7 earthquake that accompanied it. Although of unusually long duration, the 15:32 UT earthquake had signal amplitudes comparable to those of other earthquakes in the preceding 2 months. However, on May 18 the earthquake triggered a massive landslide of the north flank of Mount St. Helens, which had been steadily bulging during April and May (Voight and others, 1981). The protracted landslide not only increased the duration of the earthquake (Kanamori and Given, 1982; Kanamori and others, 1984; Burger and Langston, 1985) but also depressurized the mountain, causing it to erupt a few seconds later.

The seismic precursors of later eruptions varied in pattern. When the central vent was relatively clear (no dome capping the vent), eruptions were preceded mostly by volcanic tremor (May 25, June 12, and August 17), although a short period of tremor on June 3 produced no eruption. When the vent was plugged by a lava dome, eruptions were preceded by low-frequency earthquakes (May 18, July 22, October 16; Malone and others, 1981). Several eruptions, including the one on May 18, were followed by small, high-frequency, deep earthquakes occurring as much as 20 km below the mountain, evidence that some eruptions were accompanied by magma movements deep under the volcano (Weaver and others, 1981; Scandone and Malone, 1985; C. S. Weaver and J. E. Shemeta, written commun., 1986).

Within a few hours of the May 18 eruption of Mount St. Helens, a series of tectonic earthquakes began near Elk Lake, 17 km north of the volcano (Grant and others, 1984). Although not responsible for the tectonic stress that produced these earthquakes, the eruption may have triggered the Elk Lake sequence that produced several earthquakes of $M_c \leq 3.3$ in the next 4 days and three $M_c \geq 4.0$ events on May 24 and 28. The sequence continued with approximately two earthquakes per week until July 25. Only three more small earthquakes occurred between that time and February 1981, when the mainshock of the series occurred on February 14, 1981 ($M_c$ 5.5). The five largest 1980 Elk Lake earthquakes had fault-plane solutions consistent with the mechanism and the aftershock pattern of the 1981 main shock, indicating a north-south-trending right-lateral, strike-slip fault.

On July 7, 1980, another swarm of tectonic earthquakes began near Marble Mountain immediately north of Swift Reservoir and 12 km southeast of Mount St. Helens. The largest of these reached magnitude 3.5 on July 20, and they exhibited strike-slip fault plane solutions with a preferred strike direction of N 25° W. (Weaver and others, 1981).

## MAGNITUDES OF MOUNT ST. HELENS EARTHQUAKES

We have examined several methods of determining magnitude for the shallow low-frequency volcanic earthquakes that preceded the major eruption of Mount St.

Helens on May 18, 1980. Unless otherwise noted, all magnitudes appearing in Appendices I and II are coda magnitudes $M_C$, computed from the following equation:

$$M_C = -2.46+2.82\log_{10}(\tau) \quad (1)$$ Coda Mag. vs Duration (Crosson, 1972)

derived for tectonic earthquakes in western Washington by Crosson (1972). $\tau$ is the duration of the recorded signal in seconds, which we determine by subtracting the P-wave arrival time from the time at which the signal decays to twice the amplitude of background noise. Crosson (1972) developed equation (1) to determine earthquake magnitudes from coda durations ($M_C$) that would agree closely with Richter-like magnitudes (Richter, 1958) determined from signal amplitudes recorded on the Seattle Wood-Anderson seismograph ($M_{SEA}$).

Equation (1) was never intended to be applied to the shallow volcanic earthquakes that preceded the May 18 eruption of Mount St. Helens. We have compared several magnitude scales for Mount St. Helens earthquakes, including scales based on amplitude and coda length. As described below, we conclude that the use of equation (1) for shallow volcanic earthquakes yields coda magnitudes that overestimate the measured $M_{SEA}$ at Seattle by 0.1 to 0.3 units for earthquakes having $3 \leq M_C \leq 5$. As part of a discussion below, we present two new equations, (6) and (7), either of which predict Seattle Wood-Anderson magnitudes from the coda durations of shallow Mount St. Helens earthquakes.

Endo and others (1981) first reported that equation (1) yields $M_C$ magnitudes that are significantly larger than Wood-Anderson magnitudes determined at Newport, Washington ($M_{NEW}$), as shown in Figure 8a. They also note that Wood-Anderson magnitudes determined from the Newport instrument differ consistently from magnitudes determined from the Seattle Wood-Anderson instrument. Figure 8b and equation (5) show that $M_{NEW}$ is as much as 0.3 units less than $M_{SEA}$. From their unpublished data and unpublished data used by Qamar and others (1983), we obtain the following relationships:

$$M_{NEW} = -3.852+3.175\log_{10}(\tau_{CPW}) \quad (2)$$ Newport Mag. vs Coda Duration, station CPW

$$M_{NEW} = -0.287+0.962M_C \quad (3)$$ Newport Mag. vs Coda Mag.

$$M_{NEW} = 2.762-0.656M_C+0.211M_C^2 \quad (4)$$ Quadratic alternative to equation (3)

$$M_{NEW} = -0.557+1.080M_{SEA} \quad (5)$$ Newport Mag. vs Seattle Mag.

In the equations, $\tau_{CPW}$ is signal duration, in seconds, measured at station CPW; $M_C$ is coda magnitude determined from equation (1) using average coda duration at several stations; $M_{NEW}$ and $M_{SEA}$ are Wood-Anderson magnitudes determined from instruments at Newport and Seattle respectively. The equations are least-squares fits to measurements from earthquakes exceeding magnitude 3 only. The intercept standard erreor and slope standard error for equations (2), (3), and (5) are (0.067, 0.031), (0.044, 0.012), and (0.063, 0.017) respectively.

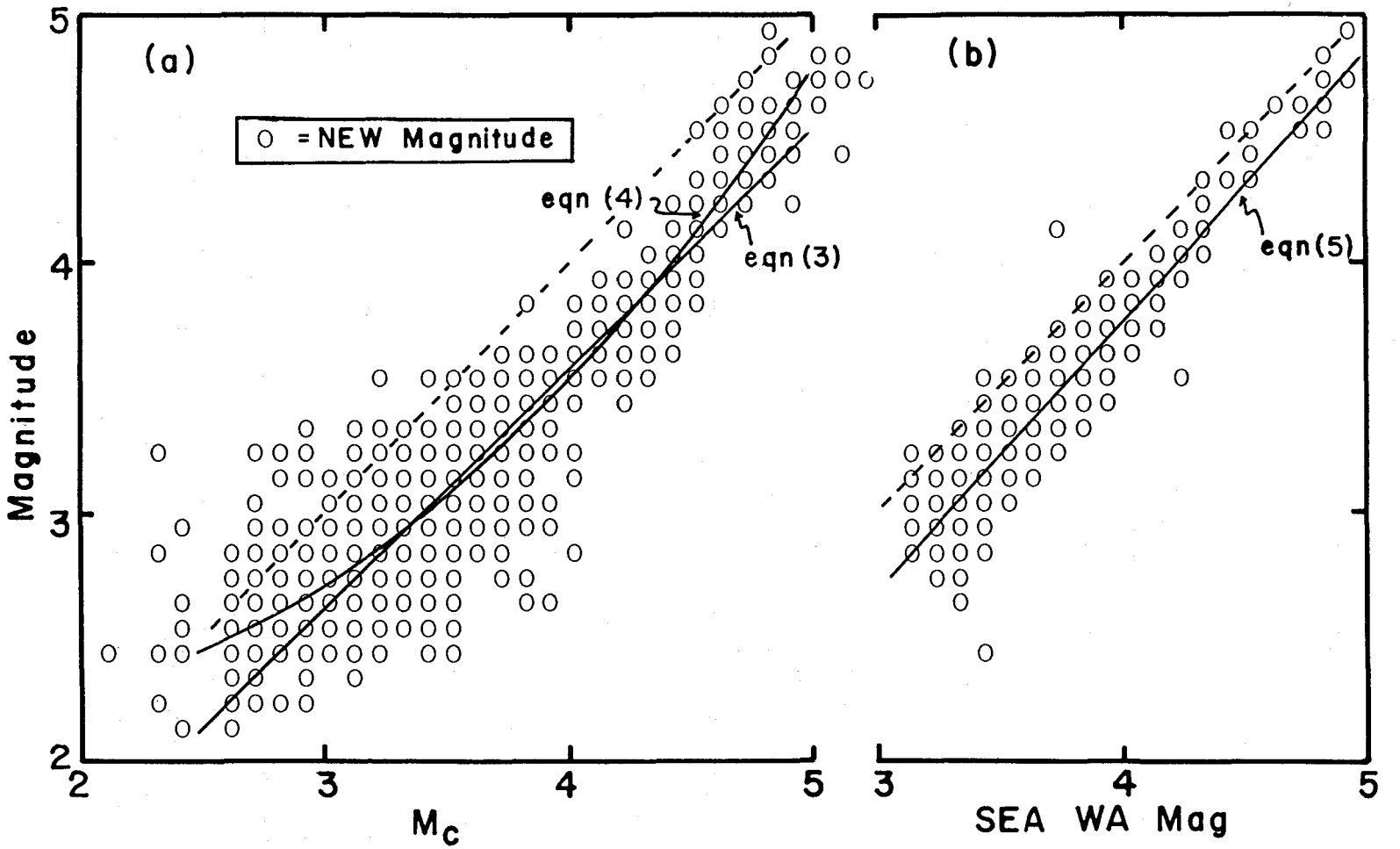


**Figure 8.** Magnitudes of Mount St. Helens earthquakes, March 20 to May 18, 1980. Wood-Anderson magnitudes $M_{NEW}$ (NEW in figure) are compared with coda magnitude $M_C$ in (a) and Wood-Anderson magnitude $M_{SEA}$ (SEA in figure) in (b). Best fit relations given by equations (3), (4), and (5) are shown by solid lines. Dashed lines, given for reference, indicate $M_C$ in (a) and $M_{SEA}$ in (b). As seen in (a) and (b), $M_{NEW}$ is consistently less than $M_C$ and $M_{SEA}$. Many of these data points have identical values. There are 1,836 points in (a) and 442 points in (b).

The linear equation (3) can be combined with equations (1) and (5) to yield:

$M_{SEA} = -1.94+2.51\log_{10}\tau$ (6) Seattle Wood-Anderson Mag. vs Duration

or, alternatively, the quadratic equation (4), which fits the data somewhat better than equation (3) (Fig. 8a), can be combined with equations (1) and (5) to give:

$M_{SEA} = 5.75-4.42\log_{10}\tau+1.554(\log_{10}\tau)^2$ (7) Quadratic alternate to equation (6)

Given a duration, $\tau$, equations (6) or (7) yield magnitudes of shallow volcanic earthquakes that agree closely with observed $M_{SEA}$ for $3 \leq M_C \leq 5$ (Fig. 9a). The use of the traditional equation (1) gives a coda magnitude of $M_C$ that overestimates $M_{SEA}$ by 0.1 to 0.3 magnitude units when $3 \leq M_C \leq 5$. Figure 9b compares magnitude scales applied to shallow volcanic earthquakes at Mount St. Helens.

Another available magnitude measurement, $M_{MSO}$, is based on the maximum amplitude measured on the short-period, vertical component of the WWSSN station MSO at Missoula, Montana (Qamar and others, 1983.) This has been correlated with $M_{NEW}$:

$M_{NEW} = 0.313+0.901M_{MSO}$ (8) Newport Mag. vs Missoula Mag.

This is also a least-squares fit to measurements from earthquakes exceeding magnitude 3 only. The intercept standard error and slope standard error for equation (8) are (0.038, 0.011). Values of $M_{MSO}$ are listed in Appendix III, together with $M_{NEW}$ and $M_C$, for all earthquakes above magnitude 3 from March 20 to May 21, 1980.

Endo and others (1981) classified Mount St. Helens earthquakes prior to May 18, 1980, as "high frequency" and "low frequency" based on their characteristics at seismograph CPW, 110 km away. Using this classification, we find:

$M_{NEW} = -3.810+3.180\log_{10}(\tau_{CPW})$ (2a) High frequency

$M_{NEW} = -3.402+2.962\log_{10}(\tau_{CPW})$ (2b) Low frequency

instead of the combined relationship given by equation (2). However, it is difficult to distinguish the two types of earthquakes on the basis of coda magnitude. In fact, equation (2) adequately predicts $M_{NEW}$ to within 0.1 magnitude units of the values given by equations (2a) or (2b).

In summary, we find that although the traditional equation (1) predicts magnitudes that agree well with Wood-Anderson-based $M_{SEA}$ when applied to tectonic earthquakes, this equation does not predict $M_{SEA}$ well when applied to shallow volcanic Mount St. Helens earthquakes in the range $3 \leq M_C \leq 5$. For volcanic earthquakes, equation (6) or (7) predicts $M_{SEA}$ better. Finally, Wood-Anderson magnitudes calculated at different stations can vary significantly, as illustrated by equation (5) and Figure 8b.

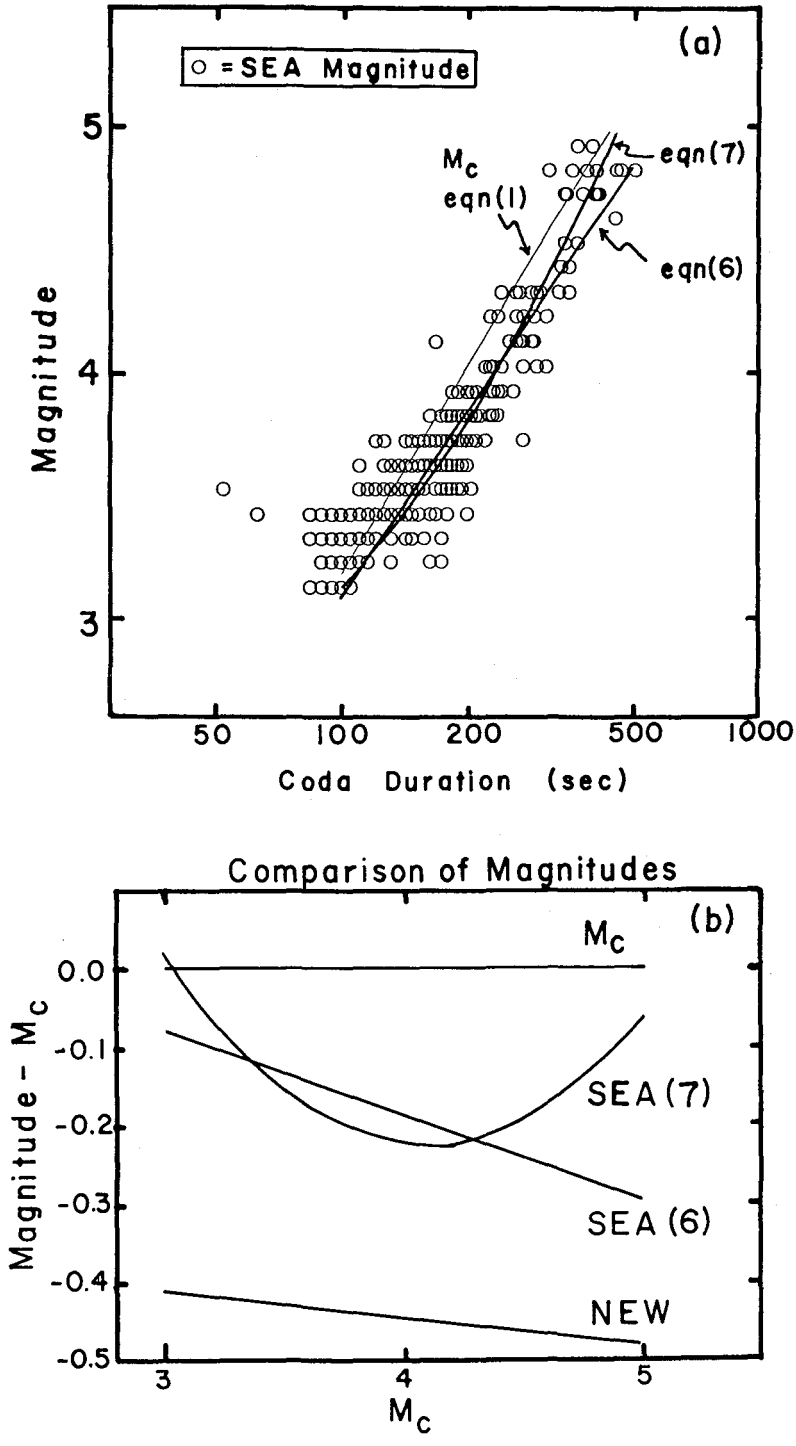


**Figure 9.** Magnitudes of Mount St. Helens earthquakes, March 20 to May 18, 1980. (a) Circles show $M_{SEA}$ plotted against $\log_{10}\tau$ ($\tau$ = coda duration in seconds) for 426 points. Heavy lines show best fit linear equation (6) and quadratic equation (7). The light line shows predicted coda magnitude given by equation (1). (b) A comparison of $M_C$, $M_{NEW}$, and $M_{SEA}$ for shallow Mount St. Helens earthquakes is shown as a function of magnitude. Two predictions for $M_{SEA}$ are given based on equations (6) and (7). Note that, for $3 \leq M_C \leq 5$, $M_C$ usually exceeds $M_{SEA}$ by 0.1 to 0.3 magnitude units and exceeds $M_{NEW}$ by 0.4 to 0.5 magnitude units.

## ACKNOWLEDGMENTS

In addition to the authors mentioned in the text, many students and other staff members have contributed to this document. Most worked long hours in the field or the seismology laboratory from March 25 to December 31, 1980, because of the eruptions of Mount St. Helens. The laboratory was usually operating 24 hours a day during this time.

Caryl Michaelson drew attention to peculiar low-frequency events at Mount St. Helens before March 1980 while scanning Develocorder films. Apparently, the events had higher amplitude, longer duration, and more phases than icequakes which occurred periodically on the mountain (Craig Weaver, personal communication, 1986). These observations have not yet been systematically investigated.

During the early activity of Mount St. Helens, Craig Weaver, A. B. Adams, and Bob Norris played back and analyzed analog magnetic-tape data from the portable seismographs. Processing of the digital data ("pinging") was done by Weaver, Wendy Grant, Linda Noson, Steve Malone, and, later, by Susan Carlson. Those who served as analysts, "captains" or "night captains", include Adams, Norris, Christina Boyko, Steve Bryant, Sue Ferguson, Judy Terreberry, and Steve Walter. Several individuals assisted our technicians, Jim Ramey, Laurens Engel, Ed Wildermuth, and Jim Hudspeth; they include Bruce Furukawa, John Coakley, and Ed Criley of the U.S. Geological Survey, as well as graduate students Don Leaver and John Taber and systems programmer Alex Bittenbinder. Bittenbinder and Leaver contributed much of the computer software used in the data processing.

Elliot Endo, of the U.S. Geological Survey, contributed valuable studies of the magnitudes of Mount St. Helens earthquakes. Several people reprocessed 1980 data: Rick Benson, Dawn Mullen, Anne Rathbun, Jim Zollweg, Julie Shemeta, Chris Trisler, and others. William Dunlap did the regression analyses for equations (2) through (5) and (8).

## DESCRIPTION OF APPENDICES

Earthquake locations for 1980 have been divided into two catalogs (Appendices I and II). A key to interpreting Appendices I and II, as well as the catalog in Appendix III, follows. Earthquakes within the Mount St. Helens region (Figs. 3 and 4) are listed separately from those in the rest of Washington and northern Oregon. Although we located 3,231 earthquakes in 1980 in the region of Figure 3, we list only earthquakes exceeding magnitude 1.0 in the catalogs. Epicenters of smaller earthquakes are plotted in Figure 5. There are 1,349 earthquakes listed in the Mount St. Helens catalog (Appendix I) and 740 earthquakes for the rest of Washington and northern Oregon (Appendix II).

Not all earthquakes at Mount St. Helens that had $M_C \geq 1.0$ were located for the period March 20 to May 21. In fact, the list of earthquake locations at the volcano in Appendix II is only complete for $M_{NEW} \geq 4.0$ during that period. A more complete list of volcanic earthquakes from March 20 to May 21 is given, without locations, in Appendix III. The list is derived from previously unpublished compilations by Endo, Qamar, and Shemeta (Endo and others, 1981; Qamar and others, 1983; Shemeta and Weaver, in press) and is nearly complete above magnitude 3.

In Appendices I and II the following information is given:

**TIME** Origin time is calculated for each earthquake on the basis of multistation arrival times. Time is given in **Coordinated Universal Time** (UTC) in hours:minutes:seconds. To convert to Pacific Standard Time (PST), subtract 8 hours, or to Pacific daylight time, subtract 7 hours.

**LAT** North latitude, in degrees and minutes, of the epicenter.

**LONG** West longitude, in degrees and minutes, of the epicenter.

**DEPTH** The depth, given in kilometers, is usually freely calculated from the arrival-time data. In some instances, the depth must be fixed arbitrarily to obtain a convergent solution. Such depths are noted by an asterisk (*) in the column immediately following the depth. A $ or a # following the depth mean that the maximum number of iterations has been exceeded without meeting convergence tests and both the location and depth have been arbitrarily fixed.

**MAG** Coda magnitude, $M_C$ from equation (1) except magnitudes in parentheses, which are $M_{SEA}$. For tectonic earthquakes in Washington, $M_C$ is an estimate of local Richter magnitude, $M_{SEA}$. Where blank, data were insufficient for a reliable magnitude determination. Normally, the only earthquakes with undetermined magnitudes are very small ones. Magnitude values may be revised as we improve our analysis procedure.

**NS/SP** NS is the number of station observations, and NP the number of P and S phases used to calculate the earthquake location. A minimum of three stations and four phases is required. Generally, more observations improve the quality of the solution.

**GAP** Azimuthal gap. The largest angle (relative to the epicenter) containing no stations.

**RMS** The root mean square residual taken about the mean of the station first-arrival residuals. It is only useful as a measure of the quality of the solution when five or more well distributed stations are used in the solution. Good solutions are normally characterized by RMS values less than about 0.3 sec.

**Q** Two **Quality factors** indicate the general reliability of the solution (A is best, D is worst). Similar quality factors are used by the USGS for events located with the computer program HYPO71. The first letter is a measure of the hypocenter reliability based on travel time residuals. For example: A quality requires a RMS less than 0.15 sec, while a RMS of 0.5 sec or more is D quality. (Estimates of the uncertainty in hypocenter location also affect this quality parameter.) The second letter of the quality code depends on the spatial distribution of stations around the epicenter, that is, number of stations, their azimuthal distribution, and the minimum distance (DMIN) from the epicenter to a station. Quality A requires a solution with eight or more phases, GAP $\leq$ 90° and DMIN $\leq$ (5 km or calculated depth of earthquake, whichever is greater). If the number of phases, NP, is five or less, or GAP > 180°, or DMIN > 50 km, the solution is assigned quality D.

**MOD** The crustal velocity model used in location calculations (refer to Fig. 1).

P3 - Puget Sound model
C3 - Cascade model
S3 - Mount St. Helens model including Elk Lake
N3 - northeastern model
E3 - southeastern model

**TYP** Earthquake classification

F - earthquakes reported to have been felt
P - probable explosion
L - low-frequency earthquakes
H - handpicked from helicorder records
X - known explosion

In Appendix III the following information is given:

**Dat** Month and day of earthquake

**Time** UTC time earthquake was recorded, in hours and minutes. Usually within one minute of the origin time.

**ty** Earthquake classification by E. Endo based on characteristics of seismic waves recorded at station CPW, 110 km northwest of Mount St. Helens. "h" is high frequency, "l" is low frequency. Blank means no classification attempted. Note that Endo's type "h" is roughly equivalent to "medium" in the more recent classification scheme of Malone and others (1983).

**NEW** $M_{NEW}$ (Newport Wood-Anderson magnitude)

**MSO** $M_{MSO}$. A magnitude scale based on vertical ground motion amplitudes recorded at WWSSN station MSO at Missoula, Montana, described in Qamar and others (1983).

**DUR** Coda magnitude ($M_C$) calculated from signal duration using equation (1). Values in parentheses are $M_{SEA}$ given for some Mount St. Helens earthquakes on May 18, 1980, whose coda magnitudes could not be estimated (Shemeta and Weaver, in press).

**s** Source of information. w, University of Washington; M, University of Montana; and 2, both universities.

For example, the first entry in Appendix III, **320 2348 h 4.1 4.1 4.2 2**, describes a "higher frequency" earthquake recorded on March 20, 1980, at approximately 23:48:00 UTC. It was assigned magnitudes $M_{NEW}$ 4.1, $M_{MSO}$ 4.1, and $M_C$ 4.2. Sources of information are both University of Washington and University of Montana.

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# APPENDIX I

## EARTHQUAKE CATALOG 1980

Excluding Mount St. Helens region 46 °-46.4 ° N, 122 °-122.4 ° W

Jan 1980

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:00:15.83 | 47 49.34 | 121 57.80 | 0.38 | 1.3 | 5/08 | 94 | 0.18 | BD | P3 | H |
| 1 | 13:45:56.14 | 46 54.84 | 119 33.15 | 0.44 | 1.0 | 5/06 | 266 | 0.26 | CD | E3 | H |
| 1 | 19:31:41.00 | 46 56.23 | 119 35.83 | 0.03# | 1.1 | 6/06 | 288 | 0.36 | CD | E3 | H |
| 2 | 08:48:06.90 | 46 36.92 | 121 49.79 | 2.27 | 1.3 | 5/06 | 285 | 0.07 | BD | C3 | H |
| 2 | 09:15:52.79 | 48 13.48 | 122 46.20 | 25.77 | 1.0 | 6/08 | 155 | 0.10 | AC | P3 | H |
| 2 | 11:09:20.32 | 48 15.49 | 122 24.53 | 28.97 | 1.3 | 6/12 | 153 | 0.17 | BC | P3 | H |
| 3 | 00:20:49.62 | 47 50.80 | 122 02.85 | 0.04* | 1.7 | 3/06 | 215 | 0.10 | AD | P3 | P |
| 3 | 08:11:39.48 | 46 47.16 | 124 02.34 | 34.18 | 1.7 | 7/11 | 252 | 0.13 | BD | P3 | H |
| 3 | 22:26:35.90 | 47 53.18 | 118 09.21 | 6.50 | 3.2 | 11/11 | 140 | 0.10 | AC | N3 | P |
| 4 | 23:25:16.68 | 47 47.59 | 119 41.81 | 0.62 | 2.3 | 10/12 | 107 | 0.08 | AC | N3 | P |
| 5 | 16:02:08.04 | 46 48.04 | 119 25.28 | 0.03* | 2.9 | 17/17 | 65 | 0.18 | BA | E3 | H |
| 6 | 18:23:01.99 | 47 31.94 | 122 30.23 | 15.35 | 1.0 | 4/08 | 137 | 0.16 | BD | P3 | H |
| 7 | 09:31:13.36 | 46 29.80 | 119 32.73 | 0.54 | 1.1 | 4/05 | 198 | 0.22 | BD | E3 | H |
| 7 | 17:52:25.17 | 46 27.29 | 122 24.89 | 13.25 | 1.0 | 5/10 | 161 | 0.31 | CD | S3 | H |
| 7 | 19:14:37.16 | 48 18.26 | 119 33.99 | 10.50 | 1.3 | 8/10 | 133 | 0.46 | CB | N3 | H |
| 8 | 05:41:16.16 | 47 17.98 | 123 17.30 | 41.16$ | 1.1 | 10/18 | 122 | 0.42 | CB | P3 | H |
| 8 | 10:19:41.38 | 47 47.08 | 122 03.94 | 19.85 | 1.1 | 4/07 | 219 | 0.16 | CD | P3 | H |
| 8 | 12:29:56.42 | 46 40.50 | 122 17.88 | 16.11 | 1.4 | 10/13 | 87 | 0.20 | BA | C3 | H |
| 8 | 19:22:53.02 | 46 38.55 | 122 16.28 | 16.29 | 1.5 | 6/10 | 122 | 0.19 | BC | C3 | H |
| 8 | 19:26:53.06 | 46 39.00 | 122 16.86 | 16.96 | 1.5 | 7/09 | 136 | 0.26 | BC | C3 | H |
| 8 | 22:38:47.51 | 48 17.77 | 122 03.13 | 11.90 | 1.4 | 4/08 | 247 | 0.08 | AD | P3 | H |
| 9 | 10:39:59.89 | 47 28.93 | 120 43.40 | 1.48$ | 1.5 | 15/17 | 60 | 0.39 | CC | C3 | H |
| 9 | 12:47:10.29 | 47 17.45 | 122 54.31 | 45.22 | 3.3 | 20/22 | 69 | 0.26 | BA | P3 | H |
| 10 | 11:58:48.57 | 47 46.44 | 120 01.98 | 5.36 | 1.4 | 12/15 | 67 | 0.25 | BA | N3 | H |
| 11 | 09:44:49.94 | 45 39.58 | 122 39.99 | 0.02* | 1.8 | 5/07 | 305 | 0.14 | AD | C3 | H |
| 11 | 10:58:14.22 | 48 15.45 | 123 28.11 | 28.64 | 1.1 | 7/11 | 130 | 0.10 | AB | P3 | H |
| 11 | 20:17:26.45 | 47 50.58 | 119 59.40 | 0.52 | 1.4 | 10/14 | 82 | 0.21 | BB | N3 | H |
| 11 | 21:40:23.65 | 47 33.59 | 122 45.20 | 15.08 | 1.5 | 10/16 | 60 | 0.06 | AA | P3 | |
| 11 | 22:50:12.38 | 46 15.91 | 118 54.16 | 0.02* | 1.1 | 9/10 | 179 | 0.36 | CC | E3 | X |
| 12 | 21:51:26.76 | 47 42.21 | 122 16.52 | 22.35 | 1.3 | 6/06 | 82 | 0.05 | AC | P3 | |
| 14 | 23:35:15.05 | 47 32.37 | 121 43.63 | 0.02* | 1.3 | 6/08 | 182 | 0.23 | BD | P3 | H |
| 16 | 18:00:03.16 | 46 15.62 | 118 54.09 | 0.02* | 1.3 | 8/09 | 165 | 0.13 | AC | E3 | X |
| 16 | 19:26:48.08 | 47 53.26 | 118 06.29 | 9.20 | 2.4 | 12/14 | 256 | 0.10 | AD | N3 | P |
| 17 | 02:01:54.57 | 46 16.45 | 118 52.34 | 0.03* | 1.4 | 7/08 | 153 | 0.18 | BC | E3 | X |
| 17 | 02:02:48.82 | 46 35.31 | 118 58.21 | 4.27 | 1.4 | 12/13 | 138 | 0.25 | BC | E3 | P |
| 17 | 05:39:21.37 | 47 23.08 | 122 20.07 | 3.96 | 1.4 | 12/21 | 86 | 0.22 | BC | P3 | |
| 18 | 00:59:29.24 | 47 56.94 | 122 10.27 | 21.94 | 1.5 | 10/16 | 84 | 0.10 | AA | P3 | H |
| 18 | 18:21:00.00 | 46 15.50 | 118 53.55 | 0.03* | 1.3 | 12/12 | 130 | 0.24 | BC | E3 | X |
| 19 | 17:28:42.59 | 46 14.76 | 118 54.87 | 5.32 | 1.0 | 8/08 | 157 | 0.38 | DC | E3 | X |
| 19 | 20:01:06.50 | 46 15.18 | 118 53.52 | 1.18 | 1.5 | 12/12 | 166 | 0.18 | BC | E3 | X |
| 21 | 18:29:37.37 | 47 13.69 | 121 50.38 | 6.81# | 1.6 | 4/07 | 197 | 0.46 | CD | C3 | P |
| 21 | 22:29:25.97 | 46 14.43 | 118 53.04 | 3.22 | 1.1 | 12/12 | 130 | 0.24 | BC | E3 | X |
| 21 | 22:43:21.17 | 46 41.55 | 122 45.14 | 0.03* | 2.1 | 5/07 | 104 | 0.42 | CD | P3 | P |
| 22 | 22:24:11.99 | 46 15.28 | 118 53.34 | 2.71 | 1.1 | 10/11 | 130 | 0.20 | BC | E3 | X |
| 22 | 23:24:54.53 | 48 26.50 | 124 43.73 | 6.65$ | 2.2 | 4/05 | 317 | 0.72 | DD | P3 | P |
| 24 | 21:35:17.96 | 46 13.40 | 118 51.17 | 0.03* | 1.3 | 9/10 | 268 | 0.12 | AD | E3 | X |
| 25 | 00:07:09.47 | 46 21.90 | 123 22.27 | 0.02* | 1.4 | 4/06 | 297 | 0.21 | BD | P3 | P |
| 25 | 00:50:03.43 | 46 49.13 | 122 23.29 | 0.02* | 1.4 | 10/14 | 116 | 0.10 | AC | P3 | H |
| 25 | 16:23:07.64 | 46 51.44 | 120 30.90 | 12.86$ | 1.7 | 10/14 | 165 | 0.51 | DD | E3 | |
| 25 | 19:32:57.75 | 47 50.63 | 122 02.67 | 0.03* | 1.6 | 4/06 | 158 | 0.11 | AD | P3 | P |
| 26 | 20:00:40.48 | 49 12.84 | 120 06.73 | 6.44 | 2.5 | 11/11 | 281 | 0.94 | DD | N3 | |
| 27 | 05:20:19.46 | 46 16.96 | 122 29.20 | 10.57$ | 1.6 | 6/07 | 174 | 0.23 | DC | S3 | H |
| 27 | 06:12:33.22 | 47 40.65 | 120 19.24 | 3.58 | 1.1 | 6/08 | 134 | 0.11 | AC | N3 | |
| 27 | 22:25:16.74 | 48 12.57 | 121 43.89 | 0.02* | 1.3 | 8/12 | 275 | 0.28 | BD | P3 | H |
| 27 | 23:41:44.76 | 48 21.34 | 122 10.85 | 13.40 | 1.5 | 6/09 | 231 | 0.09 | BD | P3 | |
| 28 | 07:16:39.62 | 46 17.34 | 120 27.10 | 4.63 | 2.6 | 20/21 | 211 | 0.61 | DD | E3 | |
| 28 | 19:27:28.34 | 46 51.53 | 119 29.17 | 4.49 | 1.5 | 9/10 | 221 | 0.46 | CD | E3 | H |
| 29 | 00:39:12.21 | 47 53.72 | 118 06.57 | 8.23 | 1.5 | 8/09 | 276 | 0.08 | BD | N3 | X |
| 29 | 00:41:56.32 | 46 51.64 | 121 53.06 | 8.85 | 3.5 | 21/22 | 89 | 0.24 | BC | C3 | |
| 29 | 06:07:32.84 | 47 50.46 | 122 34.42 | 22.48 | 1.6 | 15/19 | 62 | 0.12 | AB | P3 | |

**Jan 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 06:41:01.05 | 46 32.30 | 121 30.38 | 4.02* | 1.3 | 4/04 | 243 | 0.03 | AD | C3 | H |
| 30 | 00:29:41.46 | 47 53.70 | 118 07.18 | 7.51 | 2.0 | 12/13 | 275 | 0.14 | BD | N3 | P |
| 30 | 04:50:28.21 | 46 40.76 | 122 20.26 | 8.72$ | 1.2 | 5/10 | 198 | 0.39 | DD | C3 | H |
| 30 | 16:45:18.33 | 47 38.01 | 122 11.60 | 24.84 | 1.6 | 13/17 | 72 | 0.08 | AA | P3 | |
| 30 | 22:14:11.55 | 46 14.61 | 118 54.69 | 3.93 | 1.0 | 12/15 | 164 | 0.35 | CC | E3 | X |
| 31 | 01:23:15.54 | 46 14.88 | 118 53.84 | 2.17 | 1.8 | 7/07 | 181 | 0.20 | BD | E3 | X |
| 31 | 01:41:01.51 | 48 45.50 | 122 03.98 | 1.82$ | 1.6 | 6/08 | 201 | 0.42 | DD | P3 | H |

**Feb 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:39:51.10 | 47 52.57 | 118 07.44 | 7.51$ | 1.9 | 17/19 | 282 | 0.42 | CD | N3 | P |
| 1 | 04:51:58.38 | 48 18.86 | 122 17.63 | 9.04 | 1.4 | 5/07 | 258 | 0.30 | CD | P3 | H |
| 1 | 21:57:00.50 | 49 18.50 | 120 26.51 | 8.72$ | 1.9 | 11/15 | 283 | 0.66 | DD | C3 | |
| 2 | 00:30:24.34 | 47 54.94 | 118 03.54 | 7.98 | 1.9 | 14/21 | 287 | 0.14 | BD | N3 | P |
| 2 | 19:50:27.41 | 47 42.65 | 121 23.17 | 0.04* | 2.1 | 8/09 | 289 | 0.21 | BD | C3 | H |
| 2 | 20:06:51.19 | 46 48.24 | 119 25.36 | 0.03* | 1.2 | 17/22 | 65 | 0.18 | BC | E3 | X |
| 4 | 08:25:47.70 | 46 48.23 | 119 25.52 | 3.15 | 1.3 | 10/12 | 105 | 0.23 | BC | E3 | H |
| 4 | 16:11:45.55 | 44 59.71 | 121 49.80 | 0.02* | 2.6 | 6/06 | 307 | 0.24 | BD | C3 | H |
| 4 | 16:27:33.68 | 45 04.43 | 121 48.64 | 0.02* | 2.3 | 6/06 | 303 | 0.19 | BD | C3 | H |
| 4 | 19:38:33.26 | 47 23.09 | 121 33.98 | 96.35 | 2.4 | 28/33 | 74 | 0.26 | BA | C3 | |
| 4 | 20:40:21.97 | 47 50.12 | 122 34.35 | 19.24 | 1.4 | 8/11 | 95 | 0.11 | AB | P3 | |
| 5 | 19:28:06.86 | 46 24.50 | 119 16.68 | 0.02* | 1.5 | 6/10 | 119 | 0.14 | AC | E3 | |
| 5 | 21:17:07.46 | 46 15.16 | 118 52.91 | 3.28 | 1.0 | 9/10 | 150 | 0.18 | BC | E3 | X |
| 6 | 15:50:16.29 | 46 15.22 | 118 52.77 | 2.90 | 1.6 | 8/09 | 204 | 0.28 | BD | E3 | X |
| 6 | 16:16:45.58 | 46 14.69 | 118 53.50 | 2.94 | 1.1 | 10/13 | 129 | 0.22 | BC | E3 | X |
| 6 | 23:47:14.29 | 47 48.68 | 121 58.03 | 0.71 | 1.4 | 4/05 | 139 | 0.02 | AD | P3 | P |
| 7 | 20:09:03.81 | 45 06.55 | 121 48.80 | 0.05* | 2.2 | 6/06 | 299 | 0.33 | CD | C3 | H |
| 9 | 00:38:46.03 | 47 21.48 | 118 48.20 | 13.63 | 1.5 | 6/06 | 161 | 0.57 | DC | N3 | |
| 9 | 01:17:35.14 | 46 14.91 | 118 52.08 | 3.98 | 1.1 | 11/14 | 132 | 0.27 | BC | E3 | X |
| 9 | 04:46:34.82 | 47 43.12 | 121 27.07 | 8.11 | 1.4 | 10/12 | 107 | 0.16 | BC | C3 | |
| 9 | 18:04:45.27 | 46 14.29 | 118 57.21 | 3.06 | 1.1 | 13/17 | 123 | 0.22 | BC | E3 | X |
| 9 | 18:12:00.61 | 46 14.89 | 118 51.68 | 2.98 | 1.1 | 11/15 | 133 | 0.25 | BC | E3 | X |
| 9 | 20:29:14.21 | 47 52.45 | 118 09.84 | 7.98 | 1.4 | 10/11 | 281 | 0.27 | BD | N3 | P |
| 9 | 21:55:36.70 | 46 15.13 | 118 52.32 | 3.00 | 1.2 | 12/13 | 132 | 0.19 | BC | E3 | X |
| 9 | 22:18:13.31 | 46 14.29 | 118 57.03 | 2.51 | 1.2 | 13/15 | 123 | 0.20 | BC | E3 | X |
| 10 | 16:18:16.71 | 46 56.13 | 119 35.54 | 3.32 | 1.1 | 12/17 | 89 | 0.13 | AC | E3 | |
| 11 | 18:07:55.83 | 46 14.72 | 118 52.09 | 3.02 | 1.1 | 8/10 | 151 | 0.23 | BC | E3 | X |
| 11 | 21:09:02.45 | 46 14.49 | 118 57.05 | 2.79 | 1.0 | 13/16 | 124 | 0.20 | BC | E3 | X |
| 12 | 19:53:39.07 | 47 24.40 | 121 54.73 | 22.46 | 1.8 | 11/15 | 104 | 0.90 | DB | P3 | H |
| 12 | 20:30:50.72 | 47 45.28 | 120 36.09 | 0.02* | 1.2 | 7/09 | 172 | 0.10 | AC | C3 | H |
| 12 | 20:47:50.99 | 47 45.22 | 120 37.43 | 1.64$ | 1.4 | 7/10 | 197 | 0.50 | DD | C3 | H |
| 12 | 21:34:02.55 | 47 30.21 | 122 01.86 | 0.04* | 1.1 | 7/07 | 118 | 0.03 | AC | P3 | P |
| 12 | 21:41:20.28 | 46 14.81 | 118 52.30 | 0.03* | 2.0 | 7/11 | 217 | 0.23 | BD | E3 | X |
| 13 | 03:02:54.86 | 48 48.41 | 122 54.32 | 17.42* | 1.3 | 8/09 | 167 | 0.14 | AC | P3 | H |
| 13 | 14:31:49.40 | 45 59.82 | 122 45.45 | 5.34 | 1.1 | 3/04 | 265 | 0. | AD | C3 | H |
| 13 | 19:22:26.48 | 47 53.00 | 118 08.90 | 8.37 | 1.6 | 13/15 | 142 | 0.15 | AD | N3 | P |
| 13 | 21:56:33.18 | 46 44.73 | 123 49.06 | 18.14 | 1.4 | 7/07 | 267 | 0.24 | DD | P3 | H |
| 13 | 23:54:24.76 | 46 36.01 | 118 56.06 | 3.27 | 1.8 | 9/13 | 266 | 0.14 | AD | E3 | H |
| 14 | 23:39:39.10 | 46 12.11 | 118 47.34 | 0.39# | 1.5 | 5/07 | 167 | 0.25 | BD | E3 | X |
| 16 | 13:32:10.14 | 47 39.49 | 120 22.65 | 3.30 | 1.2 | 8/13 | 156 | 0.09 | AC | N3 | |
| 17 | 14:17:36.04 | 47 00.30 | 120 38.23 | 5.96 | 2.1 | 19/22 | 58 | 0.28 | BC | N3 | |
| 18 | 19:21:37.36 | 46 15.08 | 118 50.93 | 5.22 | 1.2 | 8/10 | 134 | 0.23 | BC | E3 | X |
| 18 | 20:41:09.87 | 47 34.62 | 119 43.91 | 7.35 | 1.7 | 11/15 | 103 | 0.24 | BC | N3 | H |
| 18 | 20:58:09.78 | 47 34.92 | 119 42.18 | 13.72* | 2.0 | 13/18 | 90 | 0.23 | BB | N3 | |
| 18 | 22:09:14.42 | 49 19.16 | 120 11.28 | 33.85$ | 2.5 | 7/09 | 299 | 0.57 | DD | C3 | |
| 19 | 00:33:40.65 | 47 53.39 | 118 08.27 | 7.88 | 1.5 | 13/18 | 142 | 0.23 | BD | N3 | P |
| 19 | 00:49:28.40 | 47 09.33 | 121 54.22 | 0.54 | 1.7 | 8/11 | 100 | 0.18 | BB | P3 | P |
| 19 | 05:12:04.64 | 45 59.24 | 118 32.66 | 8.95 | 1.5 | 6/09 | 153 | 0.10 | AC | E3 | |
| 19 | 22:28:36.60 | 46 15.16 | 118 52.12 | 2.80 | 1.1 | 12/14 | 132 | 0.38 | CC | E3 | X |
| 20 | 00:36:49.22 | 47 52.87 | 118 07.86 | 9.41 | 1.7 | 17/19 | 143 | 0.31 | CD | N3 | P |
| 20 | 14:50:03.00 | 47 32.64 | 122 30.40 | 19.88 | 1.0 | 6/11 | 111 | 0.17 | BC | P3 | |
| 22 | 00:14:27.18 | 46 42.30 | 122 21.31 | 0.03* | 1.3 | 7/11 | 85 | 0.28 | BB | C3 | P |
| 22 | 19:14:40.25 | 47 47.25 | 121 55.26 | 21.77 | 1.2 | 6/07 | 132 | 0.08 | AC | P3 | H |
| 22 | 20:16:23.38 | 45 52.26 | 119 20.20 | 0.88 | 1.9 | 11/13 | 185 | 0.23 | BD | E3 | |
| 22 | 22:05:33.72 | 47 14.72 | 121 03.71 | 1.19# | 1.0 | 5/06 | 203 | 0.65 | DD | C3 | P |
| 23 | 18:53:17.01 | 46 14.95 | 118 53.82 | 1.86 | 1.0 | 6/07 | 162 | 0.14 | BC | E3 | X |
| 24 | 00:34:28.94 | 46 15.52 | 118 51.40 | 2.48 | 1.4 | 10/11 | 154 | 0.33 | CC | E3 | X |
| 25 | 23:12:37.27 | 46 15.52 | 118 44.07 | 6.88$ | 1.3 | 6/08 | 194 | 0.28 | CD | E3 | X |

**Feb 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 01:26:45.71 | 46 14.85 | 118 47.98 | 15.39 | 1.2 | 5/08 | 244 | 0.32 | CD | E3 | X |
| 26 | 09:32:22.37 | 47 25.14 | 121 46.48 | 15.50 | 1.0 | 6/08 | 149 | 0.09 | AC | P3 | |
| 26 | 17:10:47.14 | 46 15.01 | 118 42.54 | 14.99 | 1.1 | 5/07 | 265 | 0.35 | DD | E3 | X |
| 27 | 00:36:24.52 | 46 23.40 | 121 42.16 | 7.25* | 1.3 | 4/06 | 239 | 0.20 | BD | C3 | H |
| 27 | 01:25:41.14 | 47 30.19 | 122 01.96 | 0.02* | 1.1 | 7/08 | 118 | 0.07 | AC | P3 | H |
| 27 | 01:58:45.41 | 47 34.65 | 122 29.48 | 23.05 | 2.2 | 13/15 | 45 | 0.06 | AA | P3 | |
| 27 | 16:47:44.90 | 48 24.04 | 122 16.57 | 13.89* | 1.3 | 6/07 | 246 | 0.08 | AD | P3 | |
| 28 | 22:05:11.19 | 46 45.36 | 122 23.44 | 0.02* | 1.5 | 8/09 | 75 | 0.12 | AC | P3 | P |
| 28 | 22:11:52.13 | 46 13.47 | 118 53.03 | 0.49 | 1.7 | 7/08 | 160 | 0.14 | AC | E3 | P |
| 28 | 22:52:46.63 | 46 19.24 | 119 45.87 | 4.29 | 2.0 | 7/07 | 234 | 0.34 | CD | E3 | P |
| 29 | 14:48:50.62 | 47 25.36 | 122 43.02 | 22.00 | 2.3 | 15/16 | 58 | 0.09 | AA | P3 | H |
| 29 | 16:05:26.19 | 47 45.32 | 120 02.64 | 5.35 | 2.3 | 16/22 | 61 | 0.16 | BB | N3 | |
| 29 | 19:14:42.67 | 45 46.82 | 119 23.54 | 0.03* | 2.0 | 8/09 | 254 | 0.27 | BD | E3 | X |
| 29 | 19:35:59.15 | 46 07.74 | 119 01.75 | 0.05* | 1.4 | 5/07 | 156 | 0.16 | BD | E3 | X |
| 29 | 21:34:02.24 | 46 15.05 | 118 54.87 | 3.09 | 1.1 | 6/07 | 124 | 0.18 | BC | E3 | X |

**Mar 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16:34:49.49 | 46 14.83 | 118 54.62 | 2.02 | 1.0 | 7/07 | 125 | 0.13 | AC | E3 | X |
| 1 | 22:04:16.07 | 46 15.00 | 118 55.02 | 2.34 | 1.2 | 8/08 | 103 | 0.13 | AC | E3 | X |
| 2 | 19:50:26.94 | 47 42.39 | 121 28.97 | 10.02 | 2.7 | 20/24 | 104 | 0.15 | BC | C3 | |
| 3 | 14:15:28.71 | 46 52.50 | 119 19.17 | 0.51 | 2.0 | 9/10 | 104 | 0.11 | AB | E3 | |
| 4 | 00:42:17.02 | 45 56.40 | 119 39.84 | 0.02* | 2.6 | 11/11 | 275 | 0.25 | BD | E3 | |
| 4 | 16:14:30.74 | 47 41.00 | 120 09.74 | 3.31 | 1.1 | 4/07 | 164 | 0.25 | CD | N3 | |
| 4 | 20:41:41.74 | 46 46.83 | 121 53.77 | 9.94 | 2.0 | 10/12 | 156 | 0.23 | BC | C3 | H |
| 5 | 02:05:00.04 | 46 13.67 | 122 35.26 | 5.48 | 1.4 | 6/08 | 202 | 0.02 | AD | C3 | H |
| 5 | 05:00:52.55 | 46 44.35 | 121 42.70 | 6.36 | 1.3 | 6/09 | 205 | 0.06 | AD | C3 | H |
| 6 | 07:00:47.93 | 47 47.84 | 121 56.95 | 24.20 | 2.1 | 15/19 | 85 | 0.13 | AA | P3 | H |
| 6 | 14:19:15.81 | 47 48.05 | 121 57.21 | 25.22 | 1.0 | 4/06 | 141 | 0.02 | AD | P3 | H |
| 6 | 22:47:38.13 | 46 08.92 | 122 42.65 | 3.43$ | 1.9 | 9/10 | 231 | 0.33 | DD | C3 | H |
| 7 | 00:28:44.01 | 47 09.10 | 121 55.99 | 0.04* | 1.1 | 5/07 | 228 | 0.18 | BD | P3 | P |
| 7 | 02:58:32.02 | 47 44.00 | 120 05.14 | 2.03* | 2.5 | 14/16 | 80 | 0.16 | BB | N3 | |
| 7 | 05:42:10.93 | 46 48.15 | 121 32.17 | 5.83 | 1.2 | 4/08 | 333 | 0.04 | BD | C3 | H |
| 7 | 12:44:58.53 | 47 45.74 | 122 17.94 | 17.77 | 1.2 | 7/09 | 132 | 0.05 | AB | P3 | |
| 7 | 17:15:28.42 | 46 15.12 | 118 53.63 | 0.99 | 1.4 | 14/16 | 78 | 0.41 | CC | E3 | X |
| 7 | 18:03:25.27 | 46 06.94 | 119 02.79 | 0.02* | 1.1 | 10/12 | 143 | 0.20 | BC | E3 | |
| 7 | 20:35:44.83 | 47 14.33 | 121 45.54 | 3.61 | 1.3 | 7/08 | 97 | 0.16 | BB | C3 | P |
| 7 | 21:26:46.03 | 47 50.61 | 122 03.21 | 0.03* | 1.1 | 4/05 | 217 | 0.11 | AD | P3 | P |
| 7 | 23:44:32.53 | 49 22.41 | 120 34.15 | 20.19 | 1.8 | 9/12 | 302 | 0.40 | CD | C3 | |
| 11 | 02:29:53.54 | 46 54.87 | 121 56.51 | 8.09 | 2.1 | 14/15 | 111 | 0.17 | BC | C3 | H |
| 12 | 17:02:05.03 | 46 07.48 | 119 01.54 | 3.19 | 2.6 | 10/11 | 121 | 0.15 | BC | E3 | |
| 13 | 04:15:32.56 | 48 41.79 | 123 26.37 | 18.95 | 1.8 | 9/12 | 106 | 0.23 | BB | P3 | H |
| 14 | 13:53:19.43 | 47 43.54 | 120 16.72 | 1.90 | 1.6 | 13/16 | 86 | 0.13 | BB | N3 | |
| 14 | 17:32:11.22 | 46 14.82 | 118 54.86 | 0.79 | 1.3 | 9/10 | 111 | 0.08 | AC | E3 | X |
| 15 | 17:34:43.17 | 46 14.80 | 118 55.12 | 0.40* | 1.5 | 8/08 | 111 | 0.10 | AC | E3 | X |
| 17 | 17:48:26.11 | 48 37.27 | 123 06.66 | 19.94$ | 2.2 | 12/15 | 103 | 0.33 | CB | P3 | |
| 17 | 18:00:28.18 | 46 14.70 | 118 55.41 | 0.24 | 1.1 | 8/08 | 122 | 0.09 | BC | E3 | X |
| 18 | 16:45:43.72 | 46 14.87 | 118 55.41 | 0.03* | 1.3 | 10/10 | 175 | 0.11 | AC | E3 | X |
| 18 | 19:22:57.64 | 47 53.38 | 118 08.70 | 7.82$ | 1.8 | 13/14 | 151 | 0.20 | BD | N3 | |
| 18 | 19:55:14.50 | 46 54.71 | 123 27.51 | 12.96 | 1.4 | 4/06 | 212 | 0.42 | CD | P3 | |
| 19 | 19:22:03.94 | 47 53.20 | 118 08.35 | 10.14 | 2.2 | 16/18 | 147 | 0.31 | CD | N3 | |
| 20 | 00:14:46.60 | 46 36.49 | 118 56.64 | 2.83 | 1.5 | 8/11 | 229 | 0.21 | BD | E3 | |
| 20 | 16:40:22.40 | 46 15.43 | 118 54.32 | 0.02* | 1.3 | 13/14 | 80 | 0.24 | BC | E3 | X |
| 20 | 21:51:58.74 | 47 18.28 | 121 59.11 | 0.04* | 1.5 | 5/07 | 174 | 0.38 | CD | P3 | |
| 21 | 00:30:53.94 | 46 14.88 | 118 54.03 | 2.49 | 1.1 | 14/14 | 80 | 0.20 | BC | E3 | X |
| 21 | 15:25:21.33 | 45 45.27 | 122 30.81 | 3.55 | 1.8 | 4/05 | 299 | 0.14 | CD | C3 | H |
| 21 | 16:45:56.42 | 45 54.27 | 119 18.51 | 0.03* | 1.5 | 8/09 | 192 | 0.15 | BD | E3 | X |
| 22 | 00:32:46.37 | 47 53.54 | 118 08.66 | 8.65 | 1.9 | 11/13 | 142 | 0.27 | BD | N3 | |
| 22 | 17:18:26.53 | 46 14.57 | 118 53.86 | 0.03* | 1.4 | 13/13 | 81 | 0.32 | CC | E3 | X |
| 22 | 20:41:00.63 | 46 14.34 | 118 57.51 | 0.03* | 1.4 | 12/13 | 107 | 0.21 | BC | E3 | X |
| 22 | 20:45:24.56 | 46 50.16 | 122 22.87 | 0.03* | 2.3 | 14/18 | 67 | 0.22 | BC | P3 | P |
| 23 | 07:01:56.52 | 48 42.13 | 123 26.70 | 20.16* | 1.8 | 7/10 | 106 | 0.18 | BB | P3 | H |
| 24 | 09:37:59.79 | 47 32.10 | 122 27.34 | 17.38 | 1.0 | 7/09 | 150 | 0.09 | AC | P3 | H |
| 24 | 13:41:38.09 | 48 28.16 | 122 49.12 | 54.69 | 1.2 | 9/15 | 121 | 0.14 | AB | P3 | H |
| 25 | 10:57:56.28 | 47 58.65 | 123 08.38 | 44.76 | 1.8 | 12/14 | 104 | 0.18 | BB | P3 | |
| 25 | 19:19:09.03 | 47 52.82 | 118 09.02 | 7.71 | 1.5 | 13/13 | 130 | 0.11 | AC | N3 | P |
| 25 | 23:07:56.66 | 46 31.90 | 119 24.74 | 2.66 | 1.3 | 6/06 | 112 | 0.05 | AC | E3 | |
| 25 | 23:40:29.56 | 46 08.91 | 119 11.44 | 1.41 | 2.0 | 11/12 | 160 | 0.33 | CC | E3 | |

**Mar 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 23:00:53.00 | 46 31.49 | 119 25.20 | 1.37 | 1.3 | 7/07 | 115 | 0.08 | AB | E3 | |
| 27 | 17:14:06.96 | 46 32.67 | 119 24.16 | 6.53 | 1.4 | 7/07 | 106 | 0.13 | AB | E3 | P |
| 28 | 00:09:26.61 | 45 54.09 | 119 41.33 | 0.03* | 2.4 | 14/14 | 202 | 0.14 | AD | E3 | P |
| 28 | 14:07:06.46 | 47 41.49 | 120 20.30 | 4.66 | 1.4 | 4/06 | 236 | 0.07 | AD | N3 | |
| 29 | 22:10:49.91 | 46 31.86 | 119 25.27 | 3.22 | 1.2 | 8/09 | 117 | 0.18 | BB | E3 | |
| 31 | 21:10:36.21 | 47 48.24 | 122 19.15 | 22.01 | 2.1 | 15/15 | 142 | 0.12 | AC | P3 | |

**Apr 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 22:25:33.82 | 47 07.26 | 118 45.96 | 7.81* | 2.1 | 14/14 | 192 | 0.23 | BD | N3 | P |
| 4 | 07:38:17.68 | 47 53.14 | 121 48.26 | 16.04* | 1.2 | 5/08 | 157 | 0.40 | CD | P3 | H |
| 6 | 23:56:25.87 | 46 14.54 | 119 33.39 | 10.16 | 1.4 | 9/09 | 159 | 0.12 | BC | E3 | |
| 7 | 14:17:20.56 | 46 15.08 | 119 33.43 | 7.40 | 1.1 | 6/06 | 150 | 0.24 | BC | E3 | |
| 7 | 18:19:45.95 | 46 14.92 | 119 32.50 | 7.33 | 1.3 | 8/08 | 155 | 0.08 | AC | E3 | |
| 7 | 23:01:12.36 | 48 11.33 | 123 41.70 | 23.37 | 1.4 | 4/06 | 305 | 0.11 | BD | P3 | P |
| 8 | 01:30:20.11 | 47 24.75 | 118 22.91 | 7.27 | 2.0 | 12/13 | 167 | 0.34 | CC | N3 | P |
| 8 | 19:11:45.60 | 47 52.85 | 118 08.59 | 9.06 | 1.6 | 13/13 | 142 | 0.27 | BD | N3 | P |
| 8 | 21:04:09.81 | 47 00.98 | 122 10.01 | 0.02* | 1.0 | 8/08 | 122 | 0.05 | AB | P3 | P |
| 9 | 11:26:47.67 | 46 17.90 | 119 30.83 | 6.55 | 1.0 | 6/07 | 172 | 0.14 | BC | E3 | H |
| 10 | 03:22:04.81 | 47 51.22 | 120 01.03 | 0.04* | 1.8 | 10/13 | 88 | 0.18 | BB | N3 | |
| 11 | 06:29:29.70 | 46 48.21 | 119 31.07 | 0.40 | 1.3 | 5/05 | 203 | 0.08 | AD | E3 | |
| 14 | 21:16:01.96 | 45 58.73 | 118 17.72 | 0.03* | 2.4 | 9/09 | 245 | 0.21 | BD | E3 | P |
| 15 | 19:23:48.12 | 47 52.69 | 118 08.92 | 9.31 | 1.5 | 10/10 | 261 | 0.11 | BD | N3 | P |
| 16 | 14:47:06.79 | 48 07.75 | 122 54.01 | 50.10 | 3.8 | 14/15 | 70 | 0.12 | AA | P3 | F |
| 16 | 18:34:58.50 | 46 32.61 | 119 24.58 | 7.56 | 1.1 | 6/07 | 134 | 0.19 | BC | E3 | |
| 17 | 00:31:42.81 | 47 52.72 | 118 08.93 | 7.72 | 1.4 | 11/11 | 138 | 0.16 | BC | N3 | P |
| 17 | 23:05:39.23 | 47 28.42 | 118 28.64 | 8.33 | 2.0 | 14/14 | 152 | 0.18 | BC | N3 | P |
| 17 | 23:20:08.90 | 46 35.53 | 118 56.74 | 4.50 | 1.8 | 9/10 | 179 | 0.21 | BC | E3 | P |
| 18 | 11:05:49.13 | 46 09.41 | 122 31.15 | 16.92 | 2.3 | 20/20 | 165 | 0.15 | BC | C3 | |
| 19 | 21:03:04.41 | 46 34.19 | 119 25.76 | 2.80 | 1.7 | 6/06 | 111 | 0.15 | AC | E3 | P |
| 20 | 17:59:54.78 | 47 08.54 | 122 37.16 | 25.46 | 1.0 | 15/15 | 56 | 0.09 | AB | P3 | |
| 22 | 10:03:06.96 | 46 45.10 | 121 56.58 | 6.28 | 1.9 | 18/22 | 67 | 0.18 | BC | C3 | |
| 24 | 20:59:39.57 | 47 45.28 | 120 28.02 | 6.83 | 2.3 | 17/18 | 114 | 0.19 | BB | N3 | |
| 24 | 22:36:32.70 | 47 18.53 | 121 55.12 | 1.29 | 2.0 | 8/08 | 115 | 0.13 | BC | P3 | P |
| 25 | 02:37:19.81 | 47 38.67 | 122 33.64 | 25.30 | 1.5 | 10/11 | 110 | 0.07 | AB | P3 | |
| 27 | 06:00:27.61 | 47 22.47 | 122 33.42 | 20.18 | 3.7 | 22/24 | 48 | 0.13 | AB | P3 | F |
| 28 | 19:54:30.67 | 48 08.52 | 119 09.75 | 2.01* | 1.1 | 4/04 | 292 | 0.43 | CD | N3 | |
| 28 | 22:26:54.07 | 46 34.31 | 123 11.77 | 28.62* | 1.6 | 5/05 | 177 | 0.10 | BD | P3 | P |
| 29 | 19:01:39.20 | 47 31.14 | 122 27.00 | 22.94 | 1.2 | 6/08 | 175 | 0.06 | AC | P3 | |
| 30 | 19:43:08.42 | 46 36.05 | 118 55.78 | 2.14$ | 2.2 | 12/14 | 118 | 0.20 | BC | E3 | |
| 30 | 23:37:39.59 | 47 53.07 | 118 08.68 | 8.43 | 2.0 | 11/12 | 131 | 0.14 | AC | N3 | P |

**May 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 22:05:45.86 | 46 50.02 | 121 59.42 | 0.02* | 1.2 | 8/09 | 85 | 0.20 | BC | C3 | P |
| 2 | 22:08:21.05 | 47 41.02 | 120 18.98 | 22.54 | 1.2 | 4/04 | 265 | 0. | AD | N3 | H |
| 3 | 13:00:11.01 | 47 16.75 | 122 00.11 | 13.70 | 2.0 | 14/15 | 101 | 0.14 | AB | P3 | |
| 4 | 01:44:15.13 | 46 00.31 | 118 24.03 | 4.24 | 2.2 | 12/12 | 198 | 0.28 | BD | E3 | |
| 4 | 13:01:08.75 | 47 39.01 | 121 54.68 | 25.44 | 2.0 | 19/20 | 62 | 0.18 | BA | P3 | |
| 5 | 17:12:37.89 | 45 49.26 | 119 00.61 | 0.04* | 1.9 | 10/10 | 230 | 0.15 | AD | E3 | P |
| 5 | 22:26:37.38 | 47 27.02 | 121 53.14 | 16.34$ | 1.0 | 4/05 | 206 | 0.26 | DD | P3 | |
| 6 | 08:28:49.47 | 47 22.50 | 122 33.08 | 19.46* | 3.0 | 22/24 | 57 | 0.12 | AB | P3 | F |
| 6 | 23:14:58.03 | 46 27.03 | 123 23.95 | 3.10* | 1.5 | 5/06 | 270 | 0.07 | AD | P3 | P |
| 7 | 01:24:34.26 | 46 07.24 | 122 50.52 | 7.11 | 1.9 | 8/08 | 222 | 0.12 | BD | C3 | P |
| 8 | 03:01:07.34 | 45 27.17 | 122 51.76 | 17.24 | 2.2 | 16/16 | 271 | 0.21 | DD | C3 | |
| 8 | 09:58:30.64 | 48 47.62 | 118 46.58 | 0.02* | 2.3 | 7/07 | 300 | 0.33 | CD | N3 | |
| 8 | 23:20:01.26 | 46 52.56 | 122 15.73 | 3.85 | 1.4 | 9/09 | 78 | 0.34 | CC | P3 | P |
| 8 | 23:34:05.61 | 47 52.32 | 118 10.19 | 7.61* | 2.1 | 9/09 | 246 | 0.10 | AD | N3 | X |
| 9 | 22:00:35.97 | 46 42.34 | 122 23.80 | 0.03* | 1.1 | 7/07 | 179 | 0.14 | AC | P3 | P |
| 11 | 09:10:37.80 | 48 39.98 | 122 39.90 | 12.26 | 1.1 | 4/06 | 228 | 0.17 | CD | P3 | H |
| 13 | 04:08:18.41 | 46 39.00 | 121 00.10 | 2.53 | 1.8 | 15/17 | 77 | 0.28 | BC | C3 | |
| 13 | 19:47:04.45 | 49 06.14 | 122 56.19 | 14.10$ | 1.9 | 5/07 | 326 | 0.17 | CD | P3 | H |
| 15 | 00:01:49.62 | 45 48.29 | 119 00.87 | 0.42* | 1.9 | 12/12 | 166 | 0.17 | BC | E3 | P |
| 15 | 21:50:46.44 | 48 40.50 | 122 55.07 | 19.41 | 1.2 | 4/05 | 301 | 0.28 | DD | P3 | H |
| 15 | 22:22:42.49 | 47 27.79 | 121 49.06 | 0.04* | 1.2 | 5/08 | 177 | 0.20 | BD | P3 | H |
| 15 | 23:35:26.66 | 47 53.56 | 118 07.04 | 8.74 | 1.9 | 10/11 | 254 | 0.20 | BD | N3 | X |
| 16 | 00:16:11.78 | 46 18.72 | 117 51.55 | 0.02* | 2.1 | 11/11 | 254 | 0.29 | BD | E3 | P |

**May 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 22:54:08.13 | 47 54.64 | 121 32.65 | 21.28 | 1.7 | 4/05 | 243 | 0.11 | CD | C3 | H |
| 17 | 18:36:16.67 | 46 32.47 | 119 19.96 | 2.32 | 1.1 | 5/06 | 119 | 0.10 | BD | E3 | P |
| 17 | 19:48:30.38 | 46 32.30 | 119 20.67 | 0.53 | 1.2 | 6/06 | 144 | 0.08 | AC | E3 | P |
| 17 | 20:34:43.17 | 47 24.29 | 120 21.58 | 8.33$ | 1.8 | 21/21 | 93 | 0.36 | CC | N3 | |
| 17 | 22:01:34.33 | 46 32.21 | 119 21.72 | 6.84$ | 1.0 | 6/07 | 112 | 0.24 | BC | E3 | P |
| 17 | 22:46:58.40 | 46 32.43 | 119 20.13 | 2.92 | 1.4 | 6/06 | 118 | 0.10 | BC | E3 | P |
| 17 | 22:55:09.98 | 46 32.21 | 119 21.35 | 3.82 | 1.4 | 6/07 | 113 | 0.15 | BC | E3 | P |
| 20 | 06:01:24.81 | 46 57.11 | 120 55.64 | 0.97$ | 1.2 | 8/09 | 105 | 0.52 | DC | C3 | |
| 20 | 10:31:55.63 | 47 45.90 | 120 04.17 | 11.74 | 1.3 | 9/11 | 113 | 0.29 | BD | N3 | |
| 22 | 12:06:55.80 | 46 02.52 | 122 43.06 | 17.60* | 1.9 | 10/12 | 229 | 0.15 | BD | C3 | |
| 22 | 17:10:00.64 | 46 38.05 | 122 27.75 | 5.23 | 1.2 | 5/07 | 180 | 0.17 | BD | C3 | H |
| 23 | 16:27:06.65 | 46 26.30 | 122 20.93 | 15.80 | 1.9 | 15/19 | 81 | 0.15 | AA | S3 | |
| 24 | 11:26:30.32 | 47 41.84 | 121 07.41 | 4.79 | 1.4 | 5/07 | 253 | 0.15 | BD | C3 | H |
| 24 | 21:09:56.00 | 47 09.25 | 123 40.08 | 38.05 | 1.4 | 11/15 | 267 | 0.26 | BD | P3 | |
| 27 | 21:36:22.49 | 46 40.85 | 122 52.97 | 0.02* | 1.9 | 11/14 | 189 | 0.52 | DD | P3 | P |
| 28 | 05:53:50.01 | 47 55.54 | 122 24.11 | 21.98 | 1.2 | 6/11 | 183 | 0.14 | BD | P3 | H |
| 28 | 08:29:04.50 | 46 07.93 | 118 46.99 | 7.93 | 1.0 | 6/07 | 100 | 0.31 | CC | E3 | |
| 29 | 01:45:39.44 | 47 32.62 | 119 40.03 | 0.27 | 1.7 | 6/07 | 150 | 0.26 | BC | N3 | P |
| 29 | 21:08:54.48 | 47 18.02 | 121 55.73 | 0.02* | 2.1 | 9/10 | 116 | 0.14 | AC | P3 | P |
| 31 | 12:52:11.54 | 48 01.71 | 119 35.78 | 0.50 | 2.2 | 8/11 | 123 | 0.18 | BC | N3 | |

**June 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 07:17:05.75 | 47 56.51 | 120 25.44 | 8.36 | 1.8 | 4/06 | 259 | 0.36 | CD | C3 | H |
| 2 | 09:47:30.03 | 48 08.31 | 122 30.12 | 27.57 | 1.2 | 4/06 | 236 | 0.11 | BD | P3 | H |
| 2 | 14:02:16.35 | 46 30.00 | 122 14.17 | 4.45 | 1.5 | 8/12 | 84 | 0.12 | AC | S3 | |
| 3 | 21:21:35.89 | 47 36.37 | 122 58.08 | 14.35 | 2.3 | 12/14 | 84 | 0.14 | AA | P3 | |
| 4 | 02:49:54.94 | 45 57.62 | 120 15.52 | 12.26 | 1.6 | 8/08 | 182 | 0.07 | BD | E3 | |
| 4 | 13:36:10.30 | 46 58.29 | 120 24.77 | 16.66 | 1.7 | 12/13 | 94 | 0.22 | BB | E3 | |
| 6 | 18:52:49.72 | 47 27.65 | 121 51.48 | 0.04* | 1.2 | 5/07 | 118 | 0.70 | DD | P3 | |
| 6 | 19:35:36.83 | 46 24.66 | 123 16.31 | 0.03* | 1.4 | 4/04 | 292 | 0.05 | AD | P3 | P |
| 6 | 22:46:05.61 | 47 57.08 | 118 04.99 | 8.52 | 1.0 | 7/08 | 258 | 0.19 | CD | N3 | |
| 8 | 22:40:10.65 | 47 58.08 | 123 00.99 | 48.54 | 4.2 | 22/22 | 70 | 0.17 | BA | P3 | F |
| 8 | 23:02:09.27 | 47 58.31 | 122 59.76 | 48.75 | 1.5 | 8/10 | 181 | 0.13 | BD | P3 | |
| 9 | 06:35:14.58 | 48 24.97 | 122 35.03 | 23.04 | 1.2 | 10/11 | 115 | 0.18 | BB | P3 | |
| 11 | 02:24:27.55 | 47 51.48 | 121 57.89 | 26.09 | 1.5 | 7/08 | 140 | 0.07 | AC | P3 | |
| 13 | 22:47:18.07 | 46 47.81 | 122 00.65 | 0.02* | 1.6 | 12/18 | 63 | 0.23 | BC | C3 | P |
| 14 | 00:03:22.65 | 47 30.04 | 122 12.08 | 6.04* | 1.3 | 7/09 | 109 | 0.17 | BB | P3 | H |
| 14 | 00:20:59.61 | 47 32.49 | 123 33.50 | 37.67 | 1.1 | 7/09 | 247 | 0.19 | CD | P3 | H |
| 17 | 12:24:36.00 | 48 54.02 | 121 52.92 | 2.00 | 1.5 | 8/11 | 227 | 0.50 | DD | P3 | |
| 17 | 19:18:30.28 | 47 18.14 | 121 55.99 | 1.03 | 2.1 | 5/05 | 165 | 0.04 | AD | P3 | P |
| 18 | 01:10:21.14 | 46 19.64 | 117 59.10 | 0.02* | 2.3 | 13/13 | 253 | 0.30 | BD | E3 | |
| 18 | 02:03:07.36 | 47 25.31 | 122 42.93 | 23.61 | 1.3 | 7/07 | 107 | 0.08 | AB | P3 | |
| 18 | 04:30:26.87 | 48 35.61 | 119 37.65 | 0.65 | 2.0 | 3/04 | 306 | 0.04 | AD | N3 | H |
| 18 | 11:41:27.90 | 48 40.21 | 119 34.69 | 11.18# | 2.9 | 6/06 | 325 | 0.09 | AD | N3 | F |
| 18 | 18:13:44.85 | 47 48.97 | 118 25.52 | 8.83 | 2.2 | 6/06 | 210 | 0.50 | DD | N3 | X |
| 19 | 16:33:36.16 | 48 34.70 | 119 34.09 | 7.25 | 1.9 | 5/10 | 297 | 0.23 | BD | N3 | H |
| 19 | 16:59:10.95 | 47 18.34 | 121 56.46 | 0.03* | 1.5 | 7/07 | 116 | 0.11 | AC | P3 | P |
| 19 | 18:59:08.25 | 48 30.55 | 122 10.55 | 5.74 | 1.2 | 4/04 | 234 | 0.02 | AD | P3 | |
| 19 | 21:01:05.80 | 48 32.19 | 122 11.73 | 0.02* | 1.2 | 4/06 | 239 | 0.36 | CD | P3 | P |
| 20 | 22:17:05.58 | 47 17.14 | 121 54.16 | 0.05* | 1.0 | 5/07 | 202 | 0.10 | AD | C3 | P |
| 20 | 23:20:01.53 | 47 32.27 | 121 54.52 | 0.02* | 1.2 | 5/06 | 191 | 0.26 | BD | P3 | P |
| 21 | 14:51:46.39 | 47 49.08 | 122 26.47 | 18.73 | 1.2 | 8/10 | 90 | 0.15 | BC | P3 | H |
| 21 | 16:22:26.57 | 47 46.94 | 121 58.46 | 10.32 | 1.1 | 4/06 | 196 | 0.09 | AD | P3 | H |
| 22 | 02:40:37.39 | 46 26.54 | 122 23.78 | 15.05 | 1.3 | 14/16 | 91 | 0.13 | AB | S3 | |
| 23 | 16:04:51.99 | 47 32.99 | 122 14.90 | 0.03# | 1.7 | 10/11 | 105 | 0.30 | BB | P3 | H |
| 23 | 16:05:16.43 | 47 32.56 | 122 15.05 | 0.05* | 3.7 | 18/18 | 54 | 0.16 | BA | P3 | F |
| 23 | 16:09:55.04 | 47 32.43 | 122 14.86 | 0.02* | 3.3 | 22/22 | 54 | 0.24 | BA | P3 | F |
| 23 | 16:29:50.95 | 47 31.94 | 122 14.93 | 0.03* | 1.6 | 8/10 | 107 | 0.26 | BB | P3 | H |
| 23 | 20:35:36.27 | 47 41.52 | 121 52.81 | 8.06 | 1.7 | 6/06 | 176 | 0.07 | BC | P3 | |
| 24 | 02:30:33.16 | 47 32.55 | 122 14.72 | 0.02* | 1.7 | 13/13 | 71 | 0.27 | BA | P3 | H |
| 24 | 11:19:27.55 | 48 20.41 | 122 48.04 | 15.99 | 1.2 | 6/08 | 157 | 0.13 | AC | P3 | H |
| 25 | 00:33:22.12 | 46 39.20 | 122 28.44 | 0.03* | 1.3 | 5/05 | 168 | 0.11 | AD | P3 | H |
| 26 | 04:00:23.11 | 48 37.39 | 123 07.16 | 7.74 | 1.1 | 5/05 | 262 | 0.12 | CD | P3 | H |
| 27 | 00:28:49.66 | 48 20.03 | 122 42.63 | 52.17 | 1.3 | 9/09 | 94 | 0.15 | BB | P3 | |
| 28 | 08:25:15.97 | 48 13.42 | 121 46.33 | 19.03$ | 1.1 | 5/05 | 188 | 0.17 | CD | P3 | |
| 29 | 17:15:27.07 | 48 18.01 | 122 09.81 | 6.85* | 1.1 | 5/05 | 205 | 0.14 | AD | P3 | |
| 30 | 20:11:00.91 | 46 37.56 | 123 10.03 | 6.24 | 2.8 | 12/12 | 140 | 0.09 | AC | P3 | P |

**June 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 22:55:25.12 | 45 42.45 | 118 53.34 | 14.70$ | 1.9 | 8/08 | 252 | 0.25 | CD | E3 | P |

**July 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:39:32.38 | 48 18.46 | 122 07.27 | 11.04 | 1.5 | 6/08 | 114 | 0.21 | BC | P3 | |
| 2 | 03:52:03.87 | 46 47.74 | 118 14.39 | 23.49 | 1.8 | 7/08 | 221 | 0.10 | AD | E3 | |
| 2 | 18:19:00.57 | 47 53.71 | 118 07.43 | 8.30 | 2.3 | 11/11 | 274 | 0.12 | CD | N3 | X |
| 2 | 20:58:40.33 | 47 02.99 | 122 12.08 | 0.53 | 1.7 | 11/11 | 80 | 0.10 | AB | P3 | P |
| 3 | 08:21:42.55 | 46 39.47 | 118 52.08 | 6.30 | 2.1 | 9/11 | 133 | 0.40 | CC | E3 | |
| 3 | 20:15:16.13 | 45 07.99 | 122 53.13 | 33.53$ | 1.7 | 7/10 | 340 | 0.31 | DD | C3 | |
| 3 | 20:47:07.87 | 47 18.88 | 121 49.63 | 19.51 | 1.7 | 4/06 | 195 | 0.17 | DD | P3 | |
| 3 | 23:29:06.73 | 47 42.16 | 121 53.86 | 18.86 | 1.0 | 4/06 | 188 | 0.05 | BD | P3 | H |
| 3 | 23:42:28.12 | 46 34.50 | 123 02.52 | 7.94 | 2.6 | 6/06 | 122 | 0.06 | AC | P3 | P |
| 4 | 04:14:35.87 | 48 20.28 | 122 30.34 | 9.04 | 1.7 | 5/05 | 175 | 0.27 | BD | P3 | |
| 4 | 08:52:37.71 | 47 22.27 | 121 50.39 | 1.65 | 1.8 | 13/14 | 150 | 0.21 | BC | P3 | |
| 4 | 19:37:24.17 | 47 32.27 | 121 54.05 | 19.04 | 1.6 | 7/11 | 121 | 0.22 | CB | P3 | |
| 5 | 15:58:01.38 | 46 46.24 | 121 55.01 | 8.49 | 2.1 | 17/17 | 68 | 0.11 | AC | C3 | |
| 6 | 07:47:21.97 | 47 12.30 | 122 22.56 | 7.70* | 1.5 | 14/14 | 62 | 0.11 | AC | P3 | |
| 7 | 00:30:01.46 | 46 48.86 | 119 26.91 | 0.33 | 1.2 | 8/12 | 120 | 0.08 | AB | E3 | |
| 7 | 01:17:08.60 | 45 18.21 | 121 43.23 | 8.76$ | 3.2 | 21/22 | 261 | 0.29 | DD | C3 | F |
| 8 | 04:22:57.76 | 47 49.72 | 122 24.83 | 22.92 | 1.2 | 7/10 | 144 | 0.13 | BC | P3 | H |
| 8 | 06:22:42.52 | 46 39.20 | 118 51.57 | 7.18 | 1.2 | 8/09 | 134 | 0.32 | CC | E3 | |
| 8 | 06:29:21.32 | 46 39.00 | 118 50.39 | 5.76 | 1.3 | 10/11 | 137 | 0.22 | BC | E3 | P |
| 8 | 20:52:43.30 | 47 00.72 | 122 53.58 | 0.05* | 1.2 | 4/06 | 127 | 0.38 | CD | P3 | P |
| 9 | 00:17:47.31 | 47 06.46 | 123 11.65 | 0.02* | 1.2 | 9/11 | 153 | 0.17 | BC | P3 | P |
| 10 | 03:26:06.18 | 45 34.52 | 121 43.51 | 3.53* | 2.1 | 11/15 | 243 | 0.18 | BD | C3 | |
| 10 | 18:13:21.08 | 47 54.35 | 118 05.76 | 9.67 | 1.7 | 7/07 | 279 | 0.20 | DD | N3 | X |
| 10 | 20:55:48.79 | 46 24.69 | 123 14.92 | 0.02* | 1.2 | 4/05 | 291 | 0.26 | BD | P3 | P |
| 10 | 22:45:47.22 | 46 36.05 | 123 01.14 | 0.03* | 2.1 | 4/05 | 159 | 0.41 | CD | P3 | P |
| 11 | 18:45:59.57 | 48 18.39 | 122 05.13 | 12.19 | 2.2 | 13/22 | 122 | 0.17 | BB | P3 | |
| 11 | 18:47:04.63 | 48 18.73 | 122 05.57 | 10.72 | 1.5 | 7/10 | 122 | 0.14 | AB | P3 | |
| 11 | 18:49:04.57 | 46 34.48 | 119 30.60 | 0.47 | 1.2 | 4/04 | 152 | 0.73 | DD | E3 | X |
| 11 | 19:14:23.23 | 48 18.62 | 122 05.50 | 12.07 | 1.8 | 6/08 | 122 | 0.09 | AC | P3 | |
| 11 | 19:30:24.53 | 46 33.24 | 119 24.53 | 0.48 | 1.2 | 6/07 | 107 | 0.16 | BC | E3 | X |
| 11 | 21:14:59.23 | 46 32.99 | 119 22.58 | 7.35$ | 1.2 | 6/08 | 112 | 0.43 | CC | E3 | X |
| 11 | 23:14:42.60 | 48 18.76 | 122 05.58 | 13.32 | 2.8 | 19/24 | 90 | 0.19 | BB | P3 | |
| 12 | 00:56:23.49 | 46 27.86 | 122 14.62 | 3.01 | 2.6 | 18/20 | 57 | 0.14 | BC | S3 | |
| 12 | 21:27:10.17 | 46 31.64 | 119 26.11 | 3.68 | 1.5 | 7/07 | 121 | 0.07 | AB | E3 | X |
| 13 | 07:46:21.41 | 47 49.15 | 121 47.12 | 14.48 | 1.2 | 5/06 | 162 | 0.04 | BD | P3 | H |
| 13 | 15:16:44.98 | 48 38.21 | 123 03.02 | 14.87$ | 1.1 | 4/05 | 299 | 0.43 | DD | P3 | H |
| 13 | 20:32:59.38 | 48 25.37 | 121 49.59 | 2.97 | 1.7 | 7/11 | 184 | 0.37 | CD | P3 | |
| 14 | 10:29:22.59 | 48 17.77 | 122 10.09 | 4.07 | 1.3 | 4/05 | 219 | 0.14 | BD | P3 | |
| 14 | 13:00:10.15 | 46 51.85 | 120 38.41 | 14.05 | 1.5 | 10/11 | 57 | 0.33 | CA | E3 | |
| 14 | 14:33:13.21 | 48 17.56 | 122 09.83 | 4.26 | 1.3 | 4/06 | 218 | 0.15 | BD | P3 | |
| 14 | 17:07:42.66 | 48 20.10 | 122 55.33 | 49.61 | 1.3 | 12/17 | 63 | 0.20 | BA | P3 | |
| 14 | 20:02:24.08 | 46 32.79 | 119 24.31 | 1.28 | 1.2 | 6/06 | 106 | 0.05 | AC | E3 | X |
| 15 | 03:06:40.18 | 47 44.36 | 121 22.35 | 10.08 | 1.2 | 5/07 | 212 | 0.06 | AD | C3 | H |
| 15 | 15:37:11.96 | 46 33.59 | 119 26.52 | 0.41 | 1.2 | 4/04 | 158 | 0.03 | AD | E3 | X |
| 15 | 16:45:10.63 | 46 32.70 | 119 27.75 | 0.34 | 1.1 | 6/06 | 103 | 0.17 | BC | E3 | X |
| 15 | 18:40:15.81 | 46 32.68 | 119 28.34 | 2.23 | 1.2 | 5/05 | 136 | 0.08 | BD | E3 | X |
| 15 | 21:11:58.23 | 46 32.80 | 123 14.03 | 14.49$ | 2.2 | 4/06 | 267 | 0.13 | CD | P3 | P |
| 15 | 21:33:06.13 | 48 58.48 | 121 59.80 | 0.03* | 1.5 | 4/06 | 332 | 0.59 | DD | P3 | H |
| 15 | 22:08:43.30 | 45 50.18 | 120 35.36 | 10.31 | 2.2 | 11/12 | 210 | 0.16 | BD | E3 | |
| 16 | 16:38:16.75 | 46 33.41 | 119 27.05 | 0.95 | 1.7 | 4/04 | 146 | 0. | AD | E3 | X |
| 16 | 23:37:26.22 | 47 53.50 | 118 08.01 | 8.58 | 2.3 | 12/12 | 252 | 0.13 | BD | N3 | X |
| 17 | 15:50:28.93 | 46 27.53 | 122 16.14 | 1.52 | 1.5 | 9/12 | 157 | 0.13 | AC | S3 | |
| 17 | 22:56:33.12 | 48 06.47 | 117 44.52 | 2.78 | 1.5 | 5/05 | 324 | 0.03 | BD | N3 | X |
| 18 | 11:27:18.11 | 48 17.58 | 121 18.59 | 8.60$ | 1.7 | 6/08 | 171 | 0.30 | DC | C3 | |
| 18 | 12:51:10.37 | 47 48.43 | 122 46.53 | 47.37 | 1.2 | 7/07 | 96 | 0.10 | BB | P3 | H |
| 18 | 16:08:47.43 | 48 12.38 | 121 51.68 | 19.79 | 1.2 | 4/06 | 173 | 0.08 | BD | P3 | |
| 18 | 16:38:41.93 | 46 32.51 | 119 26.34 | 6.63* | 1.2 | 7/07 | 123 | 0.34 | CB | E3 | X |
| 19 | 00:16:40.27 | 46 32.34 | 119 25.34 | 4.56 | 1.7 | 5/05 | 130 | 0.10 | BD | E3 | X |
| 19 | 00:25:30.85 | 48 12.51 | 121 48.20 | 17.49 | 1.5 | 4/06 | 183 | 0.17 | DD | P3 | |
| 19 | 04:34:22.66 | 47 28.28 | 120 09.97 | 12.75 | 1.5 | 6/08 | 227 | 0.11 | AD | N3 | |
| 19 | 07:36:29.57 | 47 24.20 | 121 47.00 | 27.35 | 1.7 | 11/12 | 169 | 0.16 | BC | P3 | |
| 20 | 02:54:06.45 | 46 51.90 | 121 43.37 | 5.19 | 1.7 | 8/10 | 143 | 0.24 | BC | C3 | |
| 20 | 23:19:19.66 | 48 12.80 | 121 37.64 | 6.71 | 1.5 | 8/11 | 139 | 0.31 | CC | P3 | |
| 21 | 11:03:40.97 | 48 31.83 | 122 32.44 | 19.13 | 1.7 | 12/19 | 91 | 0.13 | AB | P3 | |

**July 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 11:14:10.07 | 48 32.40 | 122 31.24 | 17.30 | 1.2 | 5/07 | 146 | 0.14 | BD | P3 | H |
| 21 | 15:53:16.74 | 46 34.49 | 119 22.25 | 7.28 | 1.5 | 6/07 | 119 | 0.12 | BC | E3 | X |
| 21 | 17:10:57.50 | 46 32.53 | 119 24.62 | 0.46 | 1.5 | 4/04 | 139 | 0.08 | AD | E3 | X |
| 22 | 18:49:30.91 | 46 32.59 | 119 25.23 | 0.36 | 1.7 | 5/05 | 132 | 0.06 | AD | E3 | X |
| 22 | 21:20:27.98 | 46 33.16 | 119 24.62 | 7.49 | 1.2 | 4/04 | 172 | 0. | AD | E3 | X |
| 22 | 22:59:18.94 | 47 22.65 | 121 37.47 | 3.28 | 1.2 | 4/04 | 197 | 0.09 | BD | P3 | X |
| 23 | 05:53:46.32 | 46 27.22 | 122 13.98 | 3.45* | 1.7 | 11/20 | 112 | 0.07 | AC | S3 | |
| 23 | 15:55:46.80 | 46 32.67 | 119 25.43 | 1.29 | 1.7 | 4/04 | 164 | 0. | AD | E3 | X |
| 24 | 17:14:16.18 | 46 16.96 | 119 32.80 | 0.02* | 2.3 | 10/10 | 114 | 0.12 | AC | E3 | X |
| 25 | 15:47:30.01 | 46 26.95 | 122 13.90 | 3.01 | 1.7 | 15/18 | 65 | 0.17 | BC | S3 | |
| 25 | 17:19:14.84 | 47 54.81 | 124 00.00 | 26.10 | 1.2 | 6/08 | 166 | 0.25 | CC | P3 | |
| 26 | 15:11:59.01 | 46 22.06 | 122 33.76 | 5.90 | 2.2 | 21/21 | 124 | 0.17 | BC | C3 | |
| 26 | 15:56:28.26 | 46 31.38 | 119 23.94 | 6.05 | 1.5 | 8/09 | 105 | 0.28 | BB | E3 | X |
| 26 | 18:38:04.32 | 46 31.77 | 119 23.96 | 5.25 | 1.5 | 8/09 | 103 | 0.21 | BB | E3 | X |
| 26 | 20:40:27.93 | 46 32.67 | 119 24.87 | 2.13 | 1.2 | 5/05 | 138 | 0.10 | BD | E3 | X |
| 27 | 05:35:40.69 | 46 51.75 | 121 44.30 | 3.54* | 1.5 | 6/07 | 173 | 0.10 | AC | C3 | |
| 27 | 15:08:28.17 | 46 32.05 | 119 24.66 | 4.75 | 1.5 | 6/07 | 111 | 0.17 | BC | E3 | X |
| 27 | 16:10:24.68 | 46 33.74 | 119 26.46 | 6.53 | 1.5 | 5/06 | 129 | 0.15 | AD | E3 | X |
| 27 | 19:54:58.84 | 47 25.59 | 121 49.06 | 18.80 | 1.2 | 6/08 | 178 | 0.08 | BC | P3 | |
| 28 | 07:16:21.00 | 48 27.08 | 120 20.45 | 9.53 | 2.4 | 9/09 | 176 | 0.14 | BC | N3 | |
| 28 | 12:58:55.04 | 48 05.47 | 121 54.66 | 0.02* | 1.9 | 12/16 | 95 | 0.22 | BC | P3 | |
| 28 | 22:50:25.38 | 49 01.98 | 122 00.94 | 2.27$ | 1.7 | 4/05 | 286 | 0.59 | DD | P3 | H |
| 29 | 14:35:53.38 | 46 25.41 | 119 01.96 | 3.41 | 1.1 | 12/12 | 148 | 0.15 | AC | E3 | P |
| 29 | 20:41:59.95 | 45 54.06 | 122 49.06 | 21.80 | 2.2 | 13/15 | 212 | 0.37 | CD | C3 | |
| 30 | 20:57:18.82 | 47 18.56 | 121 55.89 | 0.24 | 2.1 | 9/09 | 68 | 0.11 | AC | P3 | P |
| 31 | 12:52:19.80 | 48 32.45 | 121 59.24 | 3.55 | 1.9 | 11/12 | 155 | 0.32 | CC | P3 | |

**Aug 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 00:05:48.55 | 46 23.07 | 122 35.36 | 0.02* | 1.5 | 9/09 | 124 | 0.17 | BB | C3 | P |
| 1 | 20:55:42.08 | 48 18.89 | 121 53.93 | 0.02* | 1.7 | 11/14 | 121 | 0.31 | CC | P3 | |
| 1 | 22:53:35.14 | 48 08.17 | 117 33.01 | 0.03* | 1.5 | 7/07 | 307 | 0.41 | CD | N3 | X |
| 4 | 19:32:19.57 | 48 21.52 | 121 38.56 | 2.30$ | 1.2 | 5/06 | 210 | 0.79 | DD | P3 | H |
| 5 | 13:54:34.70 | 47 39.96 | 120 02.71 | 3.13$ | 1.9 | 21/25 | 52 | 0.22 | CC | N3 | |
| 6 | 20:17:26.55 | 47 52.58 | 118 43.00 | 10.51# | 2.0 | 11/11 | 189 | 0.19 | BD | N3 | P |
| 6 | 20:22:54.75 | 46 31.49 | 121 52.84 | 0.49 | 1.0 | 6/06 | 154 | 0.27 | BC | C3 | |
| 6 | 21:40:23.97 | 46 40.16 | 122 27.26 | 5.14$ | 1.2 | 10/14 | 114 | 0.24 | BC | C3 | |
| 7 | 20:51:35.54 | 45 50.32 | 120 34.45 | 16.44 | 1.9 | 10/13 | 290 | 0.26 | BD | E3 | |
| 8 | 14:12:38.37 | 47 18.27 | 122 25.63 | 13.47* | 1.7 | 16/18 | 73 | 0.12 | AC | P3 | |
| 8 | 19:12:34.75 | 46 40.43 | 122 03.66 | 15.16 | 1.2 | 4/04 | 244 | 0. | AD | C3 | |
| 9 | 13:24:27.21 | 46 51.93 | 121 44.75 | 5.55 | 1.6 | 9/10 | 165 | 0.13 | BC | C3 | |
| 10 | 21:18:58.01 | 46 18.59 | 119 42.40 | 0.21* | 1.4 | 5/06 | 194 | 0.42 | CD | E3 | P |
| 11 | 10:22:30.60 | 48 36.92 | 123 04.22 | 17.89 | 2.0 | 15/20 | 86 | 0.28 | BB | P3 | |
| 11 | 10:24:27.76 | 48 36.94 | 123 04.50 | 13.79 | 1.5 | 11/15 | 64 | 0.24 | BB | P3 | |
| 11 | 16:59:37.10 | 45 39.87 | 122 47.05 | 22.49 | 1.9 | 9/13 | 230 | 0.10 | BD | C3 | |
| 11 | 18:40:52.94 | 48 32.09 | 122 42.77 | 52.14 | 1.5 | 8/11 | 133 | 0.05 | AB | P3 | |
| 11 | 18:55:19.83 | 46 51.81 | 121 43.93 | 9.50$ | 1.7 | 5/08 | 278 | 0.24 | CD | C3 | H |
| 11 | 19:06:43.71 | 45 39.84 | 122 46.80 | 24.79 | 2.1 | 11/16 | 230 | 0.13 | BD | C3 | |
| 11 | 22:35:58.20 | 47 31.33 | 121 40.94 | 0.02* | 1.2 | 4/04 | 143 | 0.15 | AD | P3 | P |
| 12 | 13:59:57.66 | 48 28.19 | 124 14.07 | 0.05* | 3.3 | 17/17 | 200 | 0.35 | CD | P3 | X |
| 12 | 22:25:31.29 | 46 31.62 | 119 24.75 | 4.18 | 1.2 | 4/05 | 128 | 0.24 | CD | E3 | X |
| 14 | 13:59:51.94 | 48 27.44 | 124 12.35 | 0.03* | 3.2 | 17/17 | 195 | 0.33 | CD | P3 | X |
| 15 | 03:36:47.95 | 47 41.42 | 122 38.91 | 16.36 | 1.2 | 7/13 | 101 | 0.14 | AB | P3 | |
| 15 | 05:11:42.66 | 45 39.73 | 122 46.35 | 24.13 | 2.2 | 11/16 | 230 | 0.12 | BD | C3 | |
| 15 | 08:52:56.12 | 46 27.57 | 122 16.53 | 2.53 | 1.1 | 5/08 | 178 | 0.08 | AD | S3 | |
| 15 | 20:08:56.83 | 46 31.77 | 119 28.88 | 0.03* | 1.2 | 6/07 | 105 | 0.40 | CC | E3 | X |
| 15 | 21:10:55.96 | 47 44.90 | 122 21.47 | 19.70 | 1.4 | 13/17 | 65 | 0.11 | AB | P3 | |
| 16 | 16:46:12.34 | 47 19.76 | 123 14.31 | 43.11 | 2.3 | 19/21 | 60 | 0.22 | BA | P3 | |
| 16 | 18:04:12.77 | 48 08.71 | 121 41.24 | 0.05* | 1.2 | 5/06 | 199 | 0.14 | AD | P3 | |
| 16 | 23:27:33.38 | 47 58.21 | 121 32.02 | 0.03* | 1.1 | 5/05 | 127 | 0.02 | AD | C3 | |
| 20 | 00:14:48.39 | 46 18.84 | 122 36.43 | 11.77 | 1.7 | 8/09 | 141 | 0.23 | CC | C3 | P |
| 20 | 02:28:30.47 | 47 35.38 | 122 01.30 | 10.19 | 2.4 | 21/27 | 48 | 0.18 | BB | P3 | |
| 20 | 03:38:31.56 | 48 46.21 | 118 47.43 | 4.15 | 2.4 | 7/09 | 281 | 0.44 | CD | N3 | |
| 21 | 13:12:51.90 | 48 27.95 | 123 24.40 | 30.54 | 1.7 | 6/08 | 256 | 0.15 | BD | P3 | H |
| 21 | 22:54:48.99 | 47 17.31 | 121 34.99 | 7.99 | 1.5 | 6/07 | 120 | 0.23 | BC | C3 | |
| 22 | 03:13:03.56 | 46 24.80 | 121 16.52 | 6.44 | 2.3 | 18/25 | 59 | 0.27 | BC | C3 | |
| 22 | 06:49:14.09 | 48 25.23 | 121 51.29 | 10.92 | 1.3 | 5/06 | 179 | 0.09 | BD | P3 | |
| 22 | 16:01:25.97 | 47 22.37 | 122 41.76 | 21.40 | 1.5 | 12/17 | 55 | 0.08 | AA | P3 | |

**Aug 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 18:19:52.21 | 48 13.28 | 121 39.14 | 1.44$ | 3.0 | 23/23 | 120 | 0.32 | CC | P3 | |
| 22 | 18:59:13.98 | 47 54.08 | 122 36.17 | 16.25 | 1.6 | 16/18 | 62 | 0.22 | BB | P3 | |
| 22 | 23:33:50.67 | 46 19.43 | 122 27.05 | 5.42# | 1.2 | 5/07 | 167 | 0.12 | AD | S3 | P |
| 23 | 00:28:07.07 | 46 37.20 | 122 13.75 | 0.66 | 2.1 | 6/06 | 138 | 0.11 | AC | C3 | |
| 23 | 06:38:01.55 | 46 54.71 | 119 17.80 | 3.49 | 1.1 | 7/11 | 138 | 0.15 | AC | E3 | |
| 23 | 14:02:58.31 | 48 46.04 | 122 52.60 | 11.11 | 1.7 | 12/15 | 101 | 0.42 | CB | P3 | |
| 24 | 01:40:50.57 | 48 18.99 | 122 05.22 | 7.98 | 1.2 | 5/06 | 124 | 0.23 | BD | P3 | H |
| 24 | 16:32:30.04 | 47 45.23 | 122 23.41 | 19.82 | 1.6 | 11/12 | 78 | 0.08 | AB | P3 | |
| 24 | 18:02:48.36 | 46 39.69 | 122 17.28 | 15.83 | 1.7 | 16/18 | 98 | 0.10 | AB | C3 | |
| 25 | 08:42:26.22 | 46 46.61 | 121 55.20 | 3.83 | 1.2 | 7/08 | 235 | 0.16 | CD | C3 | H |
| 27 | 00:46:36.83 | 47 25.45 | 121 43.59 | 17.59 | 1.1 | 4/06 | 196 | 0.06 | CD | P3 | |
| 27 | 05:55:55.50 | 47 06.19 | 121 52.65 | 17.15 | 2.0 | 18/21 | 77 | 0.10 | AA | C3 | |
| 27 | 22:40:29.83 | 46 21.77 | 122 37.33 | 4.08 | 1.6 | 14/15 | 133 | 0.14 | AC | C3 | P |
| 27 | 23:47:21.39 | 46 18.87 | 122 27.73 | 6.38 | 1.3 | 4/06 | 227 | 0.13 | BD | S3 | P |
| 28 | 23:23:24.56 | 47 20.86 | 117 16.99 | 3.81 | 2.4 | 10/10 | 227 | 0.30 | CD | N3 | P |
| 29 | 18:00:53.32 | 45 55.29 | 122 24.83 | 5.09 | 1.3 | 6/07 | 225 | 0.23 | CD | C3 | |
| 30 | 00:45:05.11 | 46 19.74 | 122 26.74 | 1.96* | 1.4 | 11/13 | 112 | 0.18 | BB | S3 | P |
| 31 | 05:28:09.18 | 47 42.23 | 122 35.79 | 15.33 | 1.2 | 6/09 | 104 | 0.11 | BC | P3 | H |
| 31 | 18:01:29.06 | 47 51.47 | 121 41.22 | 9.33* | 1.2 | 4/05 | 213 | 0.13 | AD | P3 | |
| 31 | 19:04:05.20 | 48 23.50 | 122 31.11 | 18.67 | 1.1 | 5/07 | 105 | 0.16 | BD | P3 | |
| 31 | 21:10:12.28 | 47 44.19 | 122 23.42 | 20.41 | 1.8 | 12/14 | 82 | 0.07 | AB | P3 | |

**Sept 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 09:56:28.24 | 47 25.58 | 121 56.31 | 23.05 | 1.1 | 8/10 | 141 | 0.19 | BC | P3 | |
| 1 | 23:02:13.01 | 45 51.21 | 122 59.29 | 27.55$ | 1.6 | 9/12 | 255 | 0.25 | BD | C3 | |
| 2 | 01:54:37.84 | 48 11.57 | 122 22.73 | 29.70 | 2.1 | 20/27 | 61 | 0.17 | BA | P3 | |
| 2 | 06:11:28.32 | 46 40.66 | 122 16.08 | 17.35 | 1.3 | 11/12 | 78 | 0.11 | AA | C3 | |
| 2 | 19:09:58.14 | 47 06.53 | 122 02.93 | 15.12$ | 1.1 | 6/06 | 129 | 0.08 | AC | P3 | |
| 3 | 01:17:46.21 | 46 29.00 | 122 12.05 | 0.02* | 1.3 | 6/08 | 86 | 0.43 | CC | S3 | P |
| 3 | 23:36:11.40 | 46 51.71 | 119 22.32 | 0.45 | 1.2 | 6/08 | 145 | 0.06 | AC | E3 | |
| 4 | 15:36:06.67 | 47 42.28 | 122 58.16 | 46.93 | 1.2 | 13/16 | 134 | 0.14 | AB | P3 | |
| 4 | 23:34:28.32 | 46 18.76 | 122 28.37 | 0.03* | 1.6 | 10/12 | 140 | 0.15 | AC | S3 | P |
| 5 | 23:47:43.12 | 47 11.73 | 121 46.05 | 0.04* | 1.3 | 5/07 | 166 | 0.24 | BD | P3 | X |
| 6 | 11:18:33.18 | 47 31.21 | 123 21.72 | 46.16 | 2.8 | 22/24 | 74 | 0.19 | BA | P3 | |
| 8 | 18:36:26.43 | 47 07.72 | 118 49.86 | 11.36 | 1.9 | 9/13 | 165 | 0.13 | AC | N3 | P |
| 8 | 21:33:37.22 | 47 11.55 | 121 49.99 | 0.66 | 1.3 | 4/04 | 206 | 0.07 | AD | P3 | X |
| 8 | 22:07:42.32 | 47 37.13 | 121 45.19 | 14.82 | 1.2 | 8/10 | 178 | 0.11 | AC | P3 | |
| 8 | 22:53:07.89 | 46 59.42 | 122 01.99 | 17.06 | 1.2 | 4/04 | 259 | 0. | AD | C3 | P |
| 9 | 00:30:23.98 | 48 00.40 | 122 14.29 | 8.61 | 1.1 | 4/04 | 217 | 0. | AD | P3 | |
| 9 | 02:26:10.32 | 48 00.72 | 122 14.51 | 16.51$ | 1.2 | 4/05 | 172 | 0.03 | CD | P3 | |
| 9 | 21:40:39.75 | 47 11.85 | 121 46.71 | 0.02* | 1.0 | 4/04 | 164 | 0.15 | BD | C3 | P |
| 10 | 08:55:16.94 | 47 37.05 | 121 44.77 | 14.39 | 1.2 | 8/10 | 180 | 0.10 | BC | P3 | |
| 10 | 09:31:35.82 | 47 36.98 | 121 46.28 | 13.90 | 1.4 | 16/19 | 70 | 0.12 | AB | P3 | |
| 10 | 19:31:06.94 | 46 28.72 | 122 12.42 | 0.03* | 1.1 | 4/04 | 140 | 0.02 | AD | S3 | P |
| 10 | 23:32:36.42 | 46 18.94 | 122 27.88 | 0.08 | 1.4 | 10/10 | 117 | 0.19 | BB | S3 | X |
| 11 | 04:54:35.24 | 47 39.64 | 122 12.89 | 21.68 | 1.2 | 12/15 | 96 | 0.11 | AB | P3 | |
| 11 | 20:39:43.15 | 47 39.84 | 120 06.56 | 7.94 | 1.2 | 6/11 | 135 | 0.10 | AC | N3 | |
| 11 | 22:14:09.29 | 47 04.78 | 121 49.14 | 3.06 | 1.8 | 4/05 | 215 | 0.07 | BD | C3 | P |
| 12 | 03:52:03.53 | 48 13.51 | 123 01.10 | 26.82 | 1.1 | 6/07 | 143 | 0.03 | AC | P3 | |
| 12 | 03:53:42.23 | 46 44.25 | 122 26.29 | 0.05* | 1.0 | 6/08 | 171 | 0.36 | CC | P3 | |
| 12 | 12:15:18.21 | 47 20.00 | 123 14.30 | 41.36 | 1.0 | 12/14 | 112 | 0.19 | BB | P3 | |
| 12 | 20:27:12.23 | 46 20.17 | 122 38.03 | 8.62$ | 2.3 | 9/14 | 140 | 0.36 | CC | C3 | P |
| 12 | 23:35:29.48 | 46 19.28 | 122 27.51 | 0.89 | 1.5 | 8/09 | 137 | 0.19 | BC | S3 | P |
| 13 | 02:03:39.62 | 48 07.09 | 121 49.32 | 0.02* | 1.4 | 4/04 | 197 | 0.12 | AD | P3 | |
| 14 | 05:49:31.35 | 47 12.39 | 121 54.99 | 7.64 | 1.2 | 4/07 | 227 | 0.08 | AD | P3 | |
| 14 | 21:55:44.01 | 47 55.34 | 121 39.74 | 0.87 | 1.0 | 4/05 | 220 | 0.23 | CD | P3 | P |
| 15 | 22:37:50.08 | 47 08.69 | 118 52.42 | 0.88 | 2.0 | 8/09 | 162 | 0.11 | AC | N3 | P |
| 16 | 19:30:03.34 | 46 39.15 | 122 23.04 | 0.80 | 1.4 | 5/05 | 195 | 0.48 | DD | C3 | P |
| 16 | 23:35:29.24 | 46 19.58 | 122 27.42 | 1.14 | 1.6 | 18/18 | 114 | 0.24 | BB | S3 | P |
| 17 | 18:41:21.18 | 46 44.50 | 122 10.74 | 17.11 | 1.1 | 7/07 | 195 | 0.17 | BD | C3 | |
| 17 | 19:03:43.76 | 47 31.80 | 121 42.46 | 0.13 | 1.1 | 4/05 | 198 | 0.40 | DD | P3 | P |
| 17 | 23:33:25.85 | 46 28.15 | 123 15.64 | 0.02* | 1.5 | 4/05 | 251 | 0.19 | BD | P3 | P |
| 18 | 22:14:04.48 | 46 44.19 | 121 44.50 | 19.85* | 1.8 | 6/08 | 95 | 0.23 | BC | C3 | P |
| 18 | 23:19:10.70 | 48 25.32 | 121 52.47 | 0.03* | 1.2 | 6/06 | 176 | 0.40 | CC | P3 | P |
| 19 | 05:45:37.54 | 47 23.41 | 121 46.40 | 17.88 | 2.2 | 21/24 | 111 | 0.12 | AB | P3 | |
| 19 | 22:53:16.28 | 47 54.45 | 121 49.38 | 4.40 | 3.8 | 28/30 | 90 | 0.24 | BC | P3 | F |
| 19 | 23:28:55.71 | 46 19.64 | 122 27.02 | 3.20 | 1.7 | 14/16 | 154 | 0.21 | BC | S3 | P |

**Sept 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 17:45:12.97 | 47 54.51 | 121 49.46 | 3.15 | 3.5 | 27/27 | 90 | 0.24 | BC | P3 | F |
| 21 | 17:51:23.28 | 47 54.64 | 121 50.45 | 1.99 | 1.7 | 14/16 | 92 | 0.21 | BC | P3 | |
| 21 | 20:32:54.33 | 47 43.52 | 122 12.69 | 0.02* | 1.4 | 5/06 | 184 | 0.42 | CD | P3 | P |
| 22 | 01:28:16.70 | 47 11.33 | 123 14.69 | 0.02* | 1.2 | 6/08 | 87 | 0.20 | BC | P3 | P |
| 22 | 17:18:39.08 | 48 15.84 | 122 14.96 | 0.04* | 1.7 | 10/12 | 84 | 0.32 | CC | P3 | |
| 22 | 22:55:50.16 | 47 06.40 | 121 16.36 | 0.02* | 1.7 | 10/11 | 96 | 0.32 | CC | C3 | P |
| 22 | 23:59:39.08 | 46 17.41 | 122 26.62 | 6.65$ | 1.5 | 15/16 | 116 | 1.39 | DB | S3 | X |
| 25 | 00:53:29.50 | 48 22.93 | 121 42.37 | 4.28$ | 1.6 | 8/09 | 200 | 0.68 | DD | P3 | |
| 25 | 09:39:36.37 | 47 51.47 | 123 08.65 | 42.67 | 1.6 | 13/14 | 115 | 0.19 | BB | P3 | H |
| 25 | 17:34:00.21 | 48 14.25 | 121 38.33 | 5.67 | 1.7 | 8/10 | 198 | 0.33 | CD | P3 | H |
| 25 | 23:12:29.97 | 48 03.06 | 118 44.17 | 5.95 | 1.8 | 8/08 | 175 | 0.09 | BC | N3 | P |
| 25 | 23:30:01.41 | 46 19.78 | 122 26.73 | 1.91 | 1.8 | 16/19 | 112 | 0.20 | BB | S3 | X |
| 26 | 09:26:06.18 | 48 44.10 | 121 46.17 | 23.70 | 1.5 | 4/07 | 240 | 0.41 | DD | P3 | H |
| 26 | 20:15:00.08 | 47 34.41 | 121 42.75 | 1.93 | 1.0 | 4/06 | 197 | 0.15 | CD | P3 | |
| 26 | 20:55:10.17 | 46 52.17 | 121 08.96 | 0.59 | 1.6 | 7/07 | 97 | 0.15 | BC | C3 | P |
| 26 | 22:20:09.32 | 47 24.55 | 122 00.67 | 23.62 | 1.1 | 6/08 | 158 | 0.24 | CC | P3 | |
| 27 | 22:26:56.62 | 47 12.09 | 121 46.45 | 3.52$ | 1.0 | 5/05 | 165 | 0.30 | DD | C3 | P |
| 28 | 06:09:11.64 | 47 37.11 | 121 46.12 | 15.18 | 1.3 | 12/15 | 91 | 0.11 | AB | P3 | |
| 28 | 18:01:33.29 | 46 24.15 | 122 13.05 | 3.42$ | 1.2 | 10/16 | 116 | 0.16 | BC | S3 | |
| 28 | 22:35:35.41 | 47 45.45 | 120 14.21 | 1.96 | 1.4 | 7/12 | 88 | 0.12 | BC | N3 | |
| 29 | 03:53:52.99 | 47 45.40 | 120 14.15 | 0.66 | 2.6 | 24/28 | 73 | 0.18 | BC | N3 | F |
| 29 | 23:55:51.93 | 46 19.76 | 122 27.26 | 1.52 | 1.9 | 15/16 | 113 | 0.16 | BB | S3 | X |
| 30 | 04:38:09.74 | 48 23.66 | 122 16.27 | 15.56 | 2.7 | 18/19 | 92 | 0.20 | BB | P3 | |
| 30 | 04:38:49.51 | 48 23.64 | 122 16.36 | 15.41* | 2.3 | 16/19 | 92 | 0.14 | AB | P3 | |
| 30 | 05:39:40.41 | 48 23.16 | 122 15.29 | 8.65 | 1.4 | 7/08 | 139 | 0.11 | AC | P3 | |
| 30 | 16:32:14.27 | 47 44.52 | 122 02.72 | 8.82* | 2.8 | 28/28 | 61 | 0.16 | BC | P3 | F |
| 30 | 17:23:13.32 | 47 42.31 | 121 15.43 | 6.43 | 1.3 | 7/10 | 120 | 0.04 | AC | C3 | |
| 30 | 22:21:36.89 | 46 53.89 | 123 24.60 | 0.03* | 1.5 | 7/07 | 204 | 0.14 | AD | P3 | P |

**Oct 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12:47:47.44 | 47 44.60 | 122 03.44 | 0.04* | 1.3 | 6/06 | 131 | 0.08 | AC | P3 | |
| 1 | 19:15:34.22 | 47 08.75 | 121 36.49 | 1.24 | 1.0 | 4/04 | 120 | 0.02 | AD | C3 | |
| 1 | 22:15:08.55 | 46 31.49 | 119 18.80 | 0.45 | 1.2 | 5/05 | 118 | 0.03 | AD | E3 | |
| 1 | 23:34:26.99 | 46 13.67 | 122 27.71 | 17.70* | 1.7 | 6/06 | 193 | 0.12 | AD | S3 | P |
| 2 | 18:33:50.53 | 47 53.20 | 118 07.13 | 9.79 | 1.9 | 10/12 | 139 | 0.22 | BC | N3 | X |
| 2 | 23:00:31.22 | 47 25.70 | 121 47.64 | 17.86 | 1.3 | 6/08 | 167 | 0.15 | BC | P3 | |
| 3 | 00:50:51.75 | 46 11.56 | 122 55.47 | 12.34$ | 1.7 | 9/10 | 192 | 0.42 | CD | C3 | P |
| 3 | 15:04:37.83 | 48 38.27 | 121 36.38 | 15.02$ | 1.3 | 4/05 | 191 | 0.06 | BD | C3 | |
| 3 | 20:19:42.82 | 46 42.11 | 122 10.93 | 3.21 | 2.1 | 10/10 | 60 | 0.39 | CB | C3 | P |
| 3 | 22:09:28.93 | 47 45.63 | 122 28.57 | 15.99$ | 1.1 | 4/05 | 276 | 0.15 | CD | P3 | |
| 3 | 23:53:18.69 | 46 19.82 | 122 26.88 | 1.92 | 1.2 | 12/12 | 112 | 0.19 | BB | S3 | X |
| 4 | 00:40:04.84 | 46 13.03 | 122 49.29 | 6.36 | 1.8 | 8/08 | 197 | 0.08 | AD | C3 | P |
| 4 | 02:08:07.36 | 46 41.79 | 121 22.00 | 0.02* | 1.4 | 5/07 | 281 | 0.22 | BD | C3 | H |
| 4 | 02:36:35.85 | 48 24.04 | 122 16.73 | 15.95 | 2.7 | 20/24 | 77 | 0.20 | BB | P3 | |
| 4 | 05:00:35.30 | 48 24.20 | 122 16.87 | 15.81* | 1.1 | 8/12 | 102 | 0.15 | AB | P3 | |
| 5 | 08:31:01.18 | 48 06.03 | 122 47.16 | 49.32 | 1.1 | 7/08 | 88 | 0.13 | AB | P3 | |
| 5 | 09:48:42.56 | 46 02.28 | 122 27.23 | 18.05* | 1.4 | 10/13 | 169 | 0.26 | BC | S3 | |
| 5 | 17:42:34.92 | 46 36.40 | 122 30.36 | 17.20* | 1.2 | 13/13 | 130 | 0.15 | AB | C3 | |
| 6 | 07:40:42.03 | 47 53.94 | 121 55.41 | 7.44 | 1.0 | 4/04 | 133 | 0. | AD | P3 | |
| 6 | 19:20:42.50 | 46 19.15 | 122 34.72 | 13.34* | 1.5 | 6/06 | 136 | 0.13 | AC | S3 | X |
| 6 | 23:47:16.78 | 46 19.81 | 122 26.98 | 1.11 | 1.2 | 13/13 | 112 | 0.17 | BB | S3 | X |
| 7 | 00:22:52.75 | 47 54.21 | 122 35.20 | 0.92 | 1.1 | 9/10 | 68 | 0.23 | BC | P3 | |
| 7 | 08:15:23.34 | 48 43.46 | 122 08.43 | 0.02# | 1.4 | 5/05 | 257 | 0.76 | DD | P3 | |
| 7 | 15:15:08.91 | 47 25.81 | 122 30.94 | 45.20 | 1.8 | 16/17 | 55 | 0.21 | BA | P3 | |
| 7 | 22:36:32.17 | 47 18.77 | 119 50.18 | 3.97 | 2.2 | 23/23 | 53 | 0.17 | BC | N3 | P |
| 8 | 00:49:53.01 | 46 12.82 | 122 55.73 | 9.52 | 1.8 | 11/11 | 212 | 0.24 | BD | C3 | P |
| 8 | 09:32:01.96 | 47 26.52 | 121 14.44 | 8.30 | 1.3 | 10/12 | 97 | 0.18 | BC | C3 | |
| 8 | 10:55:50.81 | 48 25.79 | 123 02.76 | 24.92 | 3.0 | 20/22 | 46 | 0.37 | CB | P3 | |
| 8 | 22:56:58.45 | 46 18.95 | 123 51.91 | 7.24 | 1.8 | 11/13 | 255 | 0.36 | CD | P3 | |
| 13 | 11:09:04.49 | 47 54.44 | 121 51.22 | 2.58 | 1.2 | 4/04 | 161 | 0. | AD | P3 | |
| 13 | 16:21:32.24 | 47 54.45 | 121 51.39 | 2.23 | 1.4 | 4/04 | 160 | 0. | AD | P3 | |
| 13 | 18:45:32.14 | 47 50.83 | 122 02.72 | 0.05* | 1.7 | 4/04 | 128 | 0.07 | AD | P3 | P |
| 13 | 19:28:01.21 | 47 18.66 | 119 50.03 | 0.66 | 1.4 | 9/09 | 77 | 0.55 | DC | N3 | P |
| 13 | 23:24:47.01 | 46 19.45 | 122 27.57 | 0.06 | 1.2 | 16/16 | 115 | 0.21 | BB | S3 | X |
| 14 | 13:13:31.98 | 46 35.97 | 121 50.71 | 5.65 | 1.0 | 11/14 | 142 | 0.15 | AC | C3 | |
| 14 | 20:24:59.90 | 47 50.49 | 121 52.73 | 0.04* | 1.5 | 4/04 | 122 | 0.03 | AD | P3 | X |
| 14 | 20:48:04.22 | 47 23.84 | 122 39.41 | 15.74* | 1.0 | 8/09 | 95 | 0.57 | DB | P3 | |

Oct 1980, cont'd

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 21:58:19.82 | 46 07.51 | 122 52.13 | 8.10 | 1.9 | 5/05 | 245 | 0.08 | BD | C3 | H |
| 14 | 22:15:10.10 | 47 48.76 | 121 58.24 | 0.04* | 1.7 | 6/07 | 135 | 0.19 | BC | P3 | P |
| 15 | 00:45:22.90 | 47 22.40 | 122 41.68 | 21.84 | 1.2 | 10/13 | 79 | 0.09 | AA | P3 | |
| 15 | 01:12:53.05 | 47 22.13 | 122 41.97 | 22.08 | 1.0 | 13/13 | 63 | 0.13 | AA | P3 | H |
| 15 | 11:48:26.80 | 47 19.71 | 122 18.76 | 8.43* | 1.7 | 25/25 | 33 | 0.14 | AC | P3 | |
| 15 | 17:14:23.32 | 47 24.16 | 120 37.93 | 1.01$ | 1.7 | 5/07 | 211 | 0.44 | DD | C3 | H |
| 15 | 23:25:36.79 | 46 20.42 | 122 27.89 | 0.03* | 1.2 | 14/14 | 113 | 0.26 | BC | S3 | X |
| 16 | 19:50:24.27 | 46 27.52 | 121 38.95 | 0.03* | 1.1 | 6/07 | 308 | 0.54 | DD | C3 | H |
| 16 | 20:57:20.29 | 48 55.34 | 121 53.13 | 0.02* | 2.4 | 11/14 | 228 | 0.53 | DD | P3 | F |
| 16 | 23:36:49.24 | 46 37.12 | 123 03.66 | 0.03* | 2.2 | 6/07 | 134 | 0.42 | CC | P3 | X |
| 17 | 11:41:37.26 | 47 35.13 | 121 50.11 | 16.96 | 1.0 | 5/09 | 159 | 0.09 | BD | P3 | |
| 17 | 22:06:10.96 | 47 10.97 | 119 00.62 | 0.76 | 1.9 | 14/14 | 138 | 0.15 | BC | N3 | P |
| 17 | 22:39:23.06 | 48 05.61 | 121 55.10 | 0.26 | 1.7 | 6/07 | 165 | 0.28 | CC | P3 | P |
| 18 | 21:44:15.23 | 48 26.24 | 123 03.47 | 26.39 | 1.2 | 16/20 | 70 | 0.36 | CB | P3 | |
| 18 | 23:40:06.61 | 47 40.24 | 120 06.12 | 4.42$ | 1.8 | 14/16 | 67 | 0.19 | CC | N3 | |
| 19 | 06:23:42.83 | 46 35.30 | 121 51.07 | 6.59 | 3.0 | 30/30 | 41 | 0.25 | BC | C3 | F |
| 19 | 17:31:24.78 | 48 00.37 | 122 14.37 | 18.70 | 1.2 | 13/16 | 76 | 0.13 | AB | P3 | |
| 20 | 02:23:33.96 | 47 22.53 | 122 41.75 | 22.47 | 1.3 | 13/16 | 62 | 0.08 | AA | P3 | |
| 20 | 03:11:35.99 | 46 48.62 | 120 43.08 | 0.95$ | 1.3 | 13/14 | 61 | 0.27 | CC | C3 | |
| 20 | 03:12:12.03 | 46 48.62 | 120 43.38 | 0.04* | 1.2 | 15/15 | 67 | 0.30 | CC | C3 | |
| 20 | 05:14:36.81 | 47 22.60 | 122 41.35 | 22.71 | 1.4 | 14/20 | 55 | 0.11 | AA | P3 | |
| 20 | 14:19:25.17 | 47 21.57 | 122 21.73 | 14.73 | 1.3 | 7/07 | 112 | 0.04 | AB | P3 | |
| 20 | 23:30:33.52 | 47 21.66 | 122 21.86 | 14.62 | 1.3 | 12/13 | 97 | 0.10 | AB | P3 | |
| 20 | 23:46:13.89 | 46 35.44 | 121 50.53 | 7.37 | 1.8 | 17/20 | 134 | 0.15 | BC | C3 | |
| 22 | 00:31:43.10 | 46 26.25 | 121 50.85 | 0.82 | 1.8 | 11/11 | 164 | 0.13 | BC | S3 | |
| 22 | 00:41:22.02 | 46 12.56 | 122 55.52 | 7.31 | 1.2 | 7/07 | 212 | 0.31 | CD | C3 | P |
| 22 | 01:00:12.72 | 47 12.38 | 121 46.23 | 0.03* | 1.7 | 9/09 | 85 | 0.28 | BA | C3 | |
| 22 | 17:14:16.51 | 48 48.21 | 122 08.60 | 4.99$ | 2.4 | 10/11 | 185 | 0.39 | CD | P3 | |
| 22 | 22:04:14.26 | 48 15.15 | 122 14.30 | 13.46 | 1.0 | 5/06 | 215 | 0.07 | BD | P3 | |
| 23 | 04:50:02.25 | 48 48.59 | 122 08.00 | 1.19$ | 2.0 | 13/13 | 188 | 0.35 | DD | P3 | |
| 23 | 23:47:43.54 | 46 19.22 | 122 27.59 | 1.30 | 1.1 | 8/08 | 115 | 0.15 | CC | S3 | P |
| 24 | 06:35:16.93 | 48 14.23 | 122 50.06 | 22.04 | 1.1 | 12/17 | 67 | 0.14 | AB | P3 | |
| 25 | 00:03:31.64 | 46 19.84 | 122 26.82 | 1.86* | 1.2 | 13/13 | 112 | 0.22 | BB | S3 | P |
| 25 | 00:14:44.69 | 46 35.23 | 121 50.23 | 6.15 | 1.8 | 21/24 | 136 | 0.17 | BC | C3 | |
| 26 | 03:10:34.36 | 46 19.69 | 119 20.00 | 15.84 | 1.1 | 8/12 | 118 | 0.17 | BB | E3 | |
| 27 | 19:58:49.35 | 48 06.83 | 121 55.51 | 2.41$ | 1.1 | 4/05 | 163 | 0.31 | DD | P3 | P |
| 27 | 22:48:00.12 | 46 27.24 | 121 37.56 | 0.03* | 1.4 | 9/10 | 124 | 0.24 | BC | C3 | |
| 28 | 00:33:57.67 | 46 33.09 | 117 48.46 | 0.03* | 1.8 | 10/12 | 277 | 0.18 | BD | E3 | X |
| 28 | 20:16:47.61 | 48 04.97 | 121 48.08 | 0.03* | 1.3 | 5/05 | 199 | 0.18 | BD | P3 | P |
| 28 | 22:49:02.32 | 47 30.19 | 122 04.42 | 0.04* | 1.1 | 9/10 | 120 | 0.31 | CC | P3 | |
| 28 | 23:24:41.62 | 47 17.50 | 121 58.13 | 0.02* | 2.1 | 9/10 | 140 | 0.26 | BC | P3 | P |
| 29 | 21:30:26.82 | 47 11.91 | 121 46.68 | 1.36 | 1.5 | 7/07 | 127 | 0.16 | BB | C3 | P |
| 29 | 22:25:24.55 | 47 11.25 | 119 01.87 | 0.41 | 2.0 | 13/13 | 122 | 0.23 | BC | N3 | P |
| 30 | 06:45:22.60 | 47 38.25 | 122 18.16 | 20.28 | 1.0 | 12/13 | 65 | 0.10 | AA | P3 | |
| 30 | 16:44:59.31 | 46 26.30 | 121 36.27 | 0.02* | 1.2 | 8/10 | 214 | 0.31 | CD | C3 | |
| 31 | 00:20:06.04 | 46 39.17 | 121 56.36 | 10.62 | 1.2 | 9/14 | 107 | 0.14 | BB | C3 | P |
| 31 | 02:54:38.82 | 47 35.53 | 122 46.38 | 17.07 | 1.0 | 8/11 | 84 | 0.04 | AA | P3 | |
| 31 | 11:01:00.14 | 47 18.67 | 122 23.85 | 13.68 | 1.8 | 23/24 | 70 | 0.14 | AC | P3 | |
| 31 | 23:13:46.62 | 47 18.60 | 122 23.08 | 14.15* | 1.3 | 12/14 | 74 | 0.12 | AC | P3 | |

Nov 1980

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:34:41.39 | 48 16.28 | 121 14.74 | 0.02* | 1.7 | 4/04 | 233 | 0.13 | AD | C3 | |
| 1 | 12:37:07.48 | 46 27.74 | 119 43.32 | 19.99 | 1.5 | 19/20 | 101 | 0.18 | BB | E3 | |
| 3 | 17:24:28.50 | 47 05.37 | 121 39.34 | 14.09 | 1.1 | 6/09 | 175 | 0.22 | DC | C3 | |
| 3 | 23:47:15.57 | 48 03.41 | 118 43.66 | 7.94 | 1.8 | 16/18 | 131 | 0.16 | BC | N3 | P |
| 4 | 08:26:34.09 | 47 43.00 | 121 59.77 | 4.68 | 1.0 | 10/14 | 92 | 0.26 | CC | P3 | |
| 4 | 23:54:08.90 | 48 05.41 | 121 55.45 | 0.02* | 1.0 | 4/04 | 159 | 0.06 | AD | P3 | P |
| 5 | 07:45:59.76 | 45 36.63 | 122 42.82 | 38.21 | 1.0 | 4/06 | 329 | 0.12 | CD | C3 | |
| 5 | 20:19:13.87 | 46 58.65 | 119 27.15 | 0.51 | 1.1 | 4/05 | 299 | 0.09 | AD | E3 | H |
| 6 | 13:37:52.55 | 47 51.61 | 123 08.34 | 45.56 | 2.9 | 28/29 | 36 | 0.15 | BA | P3 | |
| 7 | 00:04:36.06 | 46 56.97 | 119 28.23 | 1.20 | 2.6 | 13/14 | 96 | 0.11 | AC | E3 | P |
| 7 | 21:16:36.65 | 46 46.51 | 119 32.65 | 15.79 | 1.5 | 4/07 | 149 | 0.11 | AD | E3 | H |
| 8 | 11:40:39.97 | 47 47.93 | 122 21.21 | 19.64 | 1.3 | 12/19 | 65 | 0.13 | AB | P3 | |
| 9 | 02:36:16.98 | 47 40.70 | 120 04.57 | 8.16 | 2.7 | 25/27 | 52 | 0.14 | AB | N3 | |
| 10 | 15:53:57.39 | 48 14.56 | 121 41.84 | 14.00 | 1.1 | 5/08 | 154 | 0.13 | AD | P3 | |
| 11 | 05:31:53.80 | 48 06.96 | 122 58.46 | 47.76 | 1.1 | 9/10 | 84 | 0.08 | AA | P3 | |
| 11 | 06:26:34.77 | 47 59.08 | 121 51.56 | 8.61 | 1.3 | 6/07 | 134 | 0.09 | AC | P3 | |

Nov 1980, cont'd

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 07:55:13.30 | 46 29.36 | 122 16.39 | 16.95 | 1.1 | 15/23 | 104 | 0.09 | AB | S3 | |
| 12 | 19:55:04.76 | 47 03.09 | 123 55.42 | 4.21 | 1.1 | 5/05 | 219 | 0.68 | DD | P3 | P |
| 12 | 20:26:28.58 | 46 18.66 | 122 38.71 | 8.14 | 1.4 | 12/13 | 248 | 0.25 | BD | C3 | P |
| 13 | 01:21:45.30 | 47 31.41 | 122 04.88 | 0.03* | 1.0 | 8/11 | 118 | 0.44 | CC | P3 | P |
| 14 | 00:00:52.63 | 48 36.83 | 123 06.23 | 11.27* | 1.3 | 12/14 | 62 | 0.17 | BB | P3 | |
| 17 | 02:02:30.31 | 48 15.95 | 121 45.42 | 3.22 | 1.4 | 11/12 | 93 | 0.27 | BC | P3 | |
| 17 | 06:58:33.80 | 46 26.24 | 122 22.90 | 10.49 | 2.1 | 20/25 | 85 | 0.17 | BA | S3 | |
| 17 | 07:25:46.90 | 46 37.07 | 120 32.30 | 12.80 | 1.5 | 16/19 | 82 | 0.16 | BA | E3 | |
| 18 | 15:54:28.69 | 47 37.79 | 120 15.62 | 3.06 | 1.7 | 11/13 | 123 | 0.13 | AB | N3 | |
| 19 | 21:35:24.07 | 46 56.98 | 119 28.17 | 0.86 | 3.3 | 26/27 | 55 | 0.10 | AC | E3 | |
| 20 | 08:00:50.22 | 45 53.77 | 122 30.88 | 18.46 | 1.1 | 6/09 | 317 | 0.14 | BD | C3 | |
| 21 | 08:01:12.91 | 47 35.04 | 123 17.96 | 40.28 | 1.0 | 10/13 | 128 | 0.20 | BB | P3 | |
| 22 | 00:03:27.24 | 46 54.41 | 121 53.02 | 9.88 | 2.1 | 25/29 | 67 | 0.08 | AB | C3 | |
| 22 | 00:04:25.09 | 46 54.42 | 121 53.15 | 9.64 | 1.4 | 18/20 | 96 | 0.09 | AB | C3 | |
| 23 | 04:10:54.20 | 46 54.77 | 119 34.71 | 1.49 | 2.5 | 17/19 | 117 | 0.14 | AB | E3 | |
| 23 | 04:31:39.15 | 46 55.98 | 119 34.56 | 2.16 | 1.3 | 5/07 | 285 | 0.17 | CD | E3 | H |
| 23 | 14:12:06.02 | 47 31.87 | 121 54.76 | 7.35 | 2.8 | 33/33 | 49 | 0.11 | AB | P3 | |
| 24 | 05:33:32.54 | 47 56.52 | 119 28.73 | 12.86 | 1.2 | 5/09 | 226 | 0.20 | BD | N3 | |
| 27 | 00:38:16.17 | 45 57.94 | 122 57.61 | 24.55 | 1.6 | 16/18 | 245 | 0.14 | BD | C3 | |
| 28 | 05:59:20.38 | 46 54.42 | 121 53.20 | 7.80 | 1.6 | 17/22 | 135 | 0.13 | AC | C3 | |
| 29 | 19:36:38.21 | 46 55.69 | 122 27.79 | 20.14* | 1.1 | 14/20 | 73 | 0.15 | AA | P3 | |
| 30 | 01:07:09.91 | 47 18.46 | 123 15.87 | 43.81 | 2.6 | 22/24 | 85 | 0.29 | BA | P3 | |
| 30 | 03:14:30.86 | 45 43.65 | 119 55.28 | 5.67 | 1.4 | 9/09 | 240 | 0.21 | CD | E3 | P |
| 30 | 14:40:31.61 | 47 50.86 | 122 06.34 | 28.48 | 1.1 | 9/11 | 108 | 0.10 | AB | P3 | |

Dec 1980

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 22:28:39.23 | 47 24.37 | 123 39.05 | 0.04* | 1.0 | 5/06 | 182 | 0.53 | DD | P3 | |
| 3 | 06:58:46.86 | 46 55.21 | 119 21.66 | 1.22 | 2.6 | 26/27 | 79 | 0.25 | BC | E3 | |
| 3 | 07:01:36.90 | 46 54.62 | 119 21.66 | 2.11 | 1.0 | 10/11 | 81 | 0.20 | BB | E3 | |
| 3 | 20:02:38.06 | 46 51.36 | 119 23.84 | 1.19 | 1.8 | 5/06 | 220 | 0.15 | BD | E3 | H |
| 3 | 23:46:22.94 | 47 41.05 | 120 08.19 | 2.24 | 2.2 | 24/26 | 41 | 0.12 | BC | N3 | |
| 4 | 01:30:27.99 | 46 18.54 | 119 03.49 | 0.67 | 1.2 | 5/05 | 171 | 0.36 | CD | E3 | X |
| 4 | 12:59:39.83 | 46 54.58 | 119 21.28 | 0.03* | 1.0 | 6/08 | 172 | 0.10 | AC | E3 | |
| 5 | 20:04:50.23 | 46 14.43 | 118 54.83 | 0.96 | 1.2 | 7/08 | 207 | 0.15 | BD | E3 | X |
| 5 | 21:44:54.59 | 47 41.53 | 118 07.12 | 10.82* | 1.5 | 6/06 | 313 | 0.32 | CD | N3 | P |
| 6 | 19:19:23.89 | 46 14.61 | 118 56.36 | 0.38 | 2.1 | 8/09 | 199 | 0.77 | DD | E3 | X |
| 6 | 22:16:56.82 | 46 15.57 | 118 47.44 | 8.67 | 2.1 | 4/04 | 246 | 0.15 | CD | E3 | X |
| 7 | 00:15:32.59 | 46 14.18 | 118 57.98 | 1.76* | 1.5 | 7/07 | 188 | 0.24 | BD | E3 | X |
| 7 | 00:39:31.06 | 46 09.36 | 123 14.92 | 9.67 | 1.4 | 5/05 | 321 | 0.03 | BD | P3 | |
| 8 | 20:25:50.89 | 46 47.91 | 124 09.36 | 29.94$ | 1.8 | 8/09 | 242 | 0.32 | DD | P3 | |
| 8 | 21:33:43.95 | 46 14.81 | 118 55.48 | 3.03 | 1.1 | 9/09 | 203 | 0.24 | BD | E3 | X |
| 9 | 00:48:09.07 | 46 14.86 | 118 55.27 | 1.26 | 1.1 | 7/07 | 194 | 0.18 | BD | E3 | X |
| 9 | 20:55:43.16 | 47 39.11 | 118 11.46 | 0.37# | 1.4 | 5/06 | 311 | 0.44 | CD | N3 | P |
| 9 | 21:52:58.15 | 46 29.87 | 123 13.90 | 1.53 | 1.1 | 6/06 | 158 | 0.03 | AC | P3 | P |
| 9 | 22:02:01.33 | 46 47.44 | 122 22.74 | 3.94 | 1.1 | 12/12 | 182 | 0.18 | BD | P3 | P |
| 10 | 01:06:41.84 | 46 14.41 | 118 56.35 | 0.02* | 1.5 | 9/09 | 171 | 0.16 | BC | E3 | X |
| 10 | 14:17:11.15 | 46 14.98 | 118 55.49 | 2.19 | 1.2 | 9/09 | 193 | 0.15 | BD | E3 | X |
| 11 | 00:51:42.46 | 46 13.10 | 122 56.33 | 33.34$ | 2.1 | 6/07 | 209 | 0.23 | CD | C3 | P |
| 11 | 06:29:48.74 | 46 14.18 | 118 54.96 | 11.64 | 1.2 | 6/06 | 195 | 0.25 | BD | E3 | X |
| 11 | 14:06:49.08 | 46 51.80 | 121 42.34 | 7.69 | 1.1 | 7/08 | 143 | 0.17 | BC | C3 | |
| 12 | 03:50:40.61 | 46 12.74 | 118 52.13 | 0.26* | 1.5 | 7/08 | 288 | 0.20 | BD | E3 | X |
| 12 | 18:41:37.72 | 46 56.08 | 119 54.13 | 2.50 | 1.9 | 28/30 | 43 | 0.18 | BB | E3 | |
| 13 | 01:08:35.53 | 46 14.41 | 118 53.12 | 5.69 | 1.0 | 7/09 | 203 | 0.27 | BD | E3 | X |
| 13 | 01:26:49.05 | 47 30.04 | 122 04.71 | 0.04* | 1.2 | 7/08 | 141 | 0.21 | BC | P3 | P |
| 16 | 21:44:37.17 | 46 13.44 | 119 35.43 | 7.84$ | 2.2 | 10/11 | 158 | 1.99 | DC | E3 | P |
| 17 | 04:25:35.72 | 46 14.86 | 118 49.32 | 20.69 | 1.1 | 5/06 | 237 | 0.25 | CD | E3 | X |
| 17 | 09:11:36.72 | 46 15.11 | 118 50.95 | 5.96 | 1.2 | 6/06 | 229 | 0.28 | DD | E3 | X |
| 17 | 09:25:48.42 | 46 12.04 | 118 46.40 | 5.98 | 1.3 | 5/06 | 311 | 0.31 | DD | E3 | P |
| 17 | 11:33:12.89 | 47 43.21 | 122 06.63 | 20.09* | 1.5 | 10/14 | 118 | 0.20 | BB | P3 | |
| 17 | 15:55:42.02 | 46 15.75 | 118 40.38 | 15.96 | 1.1 | 4/05 | 272 | 0.24 | CD | E3 | X |
| 17 | 18:39:28.53 | 46 12.36 | 118 43.99 | 0.03* | 1.4 | 5/06 | 315 | 0.15 | AD | E3 | P |
| 17 | 21:05:25.76 | 46 14.85 | 118 54.93 | 0.51 | 1.1 | 6/06 | 207 | 0.01 | AD | E3 | X |
| 18 | 17:03:04.90 | 46 14.74 | 118 55.28 | 1.44 | 1.1 | 5/05 | 205 | 0.01 | AD | E3 | |
| 18 | 19:49:37.68 | 48 37.96 | 123 22.72 | 52.00 | 1.9 | 14/18 | 69 | 0.16 | BA | P3 | |
| 18 | 20:13:57.94 | 46 14.46 | 118 52.99 | 6.78 | 1.5 | 6/06 | 214 | 0.11 | BD | E3 | X |
| 18 | 22:44:27.93 | 45 49.98 | 120 00.44 | 0.03* | 2.8 | 16/16 | 196 | 0.28 | BD | E3 | |
| 19 | 06:08:00.79 | 46 13.18 | 118 50.64 | 0.02* | 1.0 | 5/07 | 303 | 0.13 | AD | E3 | X |

Dec 1980, cont'd

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 17:46:13.73 | 46 48.17 | 119 40.63 | 14.03 | 1.1 | 8/09 | 109 | 0.09 | AB | E3 | |
| 19 | 20:02:02.82 | 46 14.50 | 118 50.52 | 8.51 | 1.1 | 5/06 | 231 | 0.20 | BD | E3 | X |
| 19 | 21:31:30.15 | 46 15.89 | 118 56.94 | 3.26 | 1.0 | 6/07 | 197 | 0.32 | CD | E3 | X |
| 19 | 23:35:00.10 | 46 50.62 | 122 17.48 | 0.04* | 1.4 | 16/18 | 44 | 0.11 | AC | P3 | P |
| 20 | 01:00:32.09 | 46 13.90 | 118 54.37 | 21.54 | 1.3 | 4/05 | 210 | 0.15 | BD | E3 | X |
| 20 | 08:33:52.53 | 47 41.96 | 120 05.13 | 3.28 | 1.7 | 15/20 | 79 | 0.18 | BB | N3 | |
| 20 | 17:32:05.98 | 47 50.54 | 122 04.40 | 20.12 | 1.1 | 9/10 | 104 | 0.07 | AB | P3 | |
| 20 | 19:54:39.60 | 46 14.42 | 118 52.06 | 9.94* | 1.0 | 6/07 | 223 | 0.15 | BD | E3 | X |
| 20 | 23:20:38.35 | 46 15.05 | 118 51.26 | 6.03 | 1.0 | 5/05 | 228 | 0.13 | CD | E3 | X |
| 21 | 02:56:44.15 | 46 28.19 | 118 48.33 | 27.18 | 1.0 | 4/05 | 283 | 0.18 | CD | E3 | X |
| 21 | 08:07:02.61 | 46 14.70 | 118 55.03 | 0.03* | 1.0 | 5/05 | 207 | 0.03 | AD | E3 | X |
| 21 | 09:14:10.86 | 47 33.52 | 121 45.08 | 10.56 | 2.0 | 23/26 | 58 | 0.18 | BB | P3 | |
| 21 | 21:54:18.51 | 46 49.20 | 121 56.76 | 9.54 | 1.9 | 21/24 | 52 | 0.11 | AC | C3 | |
| 23 | 17:44:21.02 | 46 15.55 | 118 53.02 | 1.27 | 1.1 | 5/05 | 219 | 0.04 | AD | E3 | X |
| 24 | 05:56:03.30 | 46 19.30 | 119 03.60 | 0.52 | 1.0 | 5/05 | 161 | 0.29 | BD | E3 | X |
| 25 | 23:33:36.89 | 47 13.38 | 122 06.74 | 12.75 | 1.5 | 14/16 | 131 | 0.08 | AB | P3 | |
| 27 | 00:47:40.12 | 47 53.62 | 122 19.20 | 7.96 | 1.9 | 9/10 | 116 | 0.12 | AC | P3 | |
| 28 | 14:09:51.97 | 46 48.24 | 119 24.72 | 0.03* | 1.2 | 9/13 | 105 | 0.12 | AB | E3 | |
| 28 | 14:10:59.37 | 46 48.37 | 119 25.08 | 0.04* | 1.2 | 10/14 | 69 | 0.09 | AA | E3 | |
| 29 | 11:53:44.58 | 47 47.37 | 120 46.83 | 13.67 | 1.8 | 15/17 | 127 | 0.22 | BB | C3 | |
| 29 | 12:37:51.74 | 47 02.64 | 121 54.07 | 17.43 | 1.9 | 19/23 | 57 | 0.11 | AB | C3 | |
| 30 | 01:53:14.30 | 47 44.42 | 122 12.81 | 15.40 | 1.2 | 10/13 | 149 | 0.12 | AC | P3 | |
| 30 | 02:57:44.09 | 47 33.82 | 121 43.62 | 9.43 | 1.6 | 8/12 | 123 | 0.09 | AB | P3 | |
| 30 | 03:01:34.23 | 46 33.60 | 121 45.76 | 10.10* | 1.3 | 11/16 | 156 | 0.12 | AC | C3 | |
| 30 | 08:51:17.16 | 48 39.67 | 122 59.38 | 19.59 | 1.3 | 9/13 | 134 | 0.13 | AB | P3 | |
| 30 | 17:07:51.47 | 46 14.31 | 118 56.42 | 1.47 | 1.0 | 5/08 | 198 | 0.11 | AD | E3 | X |
| 30 | 22:13:15.81 | 46 15.47 | 118 51.57 | 6.62 | 1.0 | 8/10 | 208 | 0.23 | BD | E3 | X |
| 31 | 02:05:42.98 | 46 14.45 | 118 53.94 | 5.48 | 1.0 | 10/12 | 199 | 0.21 | BD | E3 | X |
| 31 | 02:54:18.98 | 46 15.41 | 118 50.46 | 3.68 | 1.0 | 7/08 | 212 | 0.10 | AD | E3 | X |
| 31 | 05:05:25.99 | 46 16.00 | 118 44.07 | 14.99 | 1.0 | 5/07 | 260 | 0.12 | BD | E3 | X |
| 31 | 05:09:01.39 | 48 27.12 | 121 39.62 | 8.64 | 1.9 | 9/10 | 117 | 0.14 | AB | P3 | |
| 31 | 06:25:42.99 | 46 14.27 | 118 55.66 | 2.03 | 1.1 | 9/11 | 192 | 0.21 | BD | E3 | X |
| 31 | 06:50:15.41 | 46 13.53 | 118 52.62 | 0.03* | 1.1 | 5/05 | 219 | 0.16 | BD | E3 | X |
| 31 | 08:35:20.05 | 46 15.27 | 118 50.42 | 6.75 | 1.0 | 7/07 | 213 | 0.21 | CD | E3 | X |
| 31 | 11:28:28.23 | 47 32.08 | 122 29.94 | 24.31 | 1.1 | 16/18 | 56 | 0.09 | AA | P3 | |
| 31 | 15:05:15.33 | 46 15.51 | 118 46.01 | 8.64 | 1.3 | 5/05 | 252 | 0.08 | BD | E3 | X |
| 31 | 16:30:50.89 | 46 59.47 | 123 16.61 | 38.47 | 1.2 | 7/09 | 133 | 0.23 | BB | P3 | |
| 31 | 20:58:30.85 | 48 27.09 | 121 38.66 | 10.71 | 1.2 | 6/08 | 119 | 0.07 | AC | P3 | |
| 31 | 22:52:11.46 | 46 14.31 | 118 54.99 | 6.24 | 1.0 | 5/07 | 206 | 0.13 | BD | E3 | X |

# APPENDIX II

## EARTHQUAKE CATALOG 1980

Mount St. Helens region only 46 °-46.4 °N, 122 °-122.4 °W

**Feb 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 00:28:56.83 | 46 10.72 | 122 10.46 | 0.03# | 3.2 | 5/06 | 262 | 0.17 | BD | S3 | |

**Mar 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 12:58:17.69 | 46 11.39 | 122 12.70 | 0.05* | 2.5 | 5/05 | 251 | 0.05 | AD | S3 | |
| 18 | 02:00:58.81 | 46 08.91 | 122 11.05 | 0.04* | 2.1 | 4/06 | 271 | 0.18 | BD | S3 | |
| 18 | 10:31:31.15 | 46 12.78 | 122 11.51 | 0.82$ | 2.0 | 4/05 | 210 | 0.17 | DD | S3 | H |
| 19 | 03:39:14.95 | 46 10.44 | 122 11.07 | 0.04* | 2.2 | 5/07 | 268 | 0.19 | BD | S3 | H |
| 20 | 23:47:43.46 | 46 11.52 | 122 12.23 | 1.54 | 4.2 | 7/07 | 210 | 0.18 | DD | S3 | L |
| 21 | 00:04:03.19 | 46 11.70 | 122 11.99 | 0.84 | 2.7 | 6/07 | 237 | 0.12 | BD | S3 | |
| 21 | 00:34:52.49 | 46 11.17 | 122 11.94 | 1.90$ | 2.4 | 5/06 | 257 | 0.12 | DD | S3 | |
| 22 | 22:22:42.54 | 46 12.22 | 122 13.25 | 0.62 | 4.2 | 6/06 | 162 | 0.29 | DC | S3 | L |
| 23 | 15:22:42.80 | 46 12.06 | 122 11.73 | 0.04* | 3.5 | 7/07 | 243 | 0.22 | BD | S3 | |
| 24 | 03:27:35.90 | 46 08.74 | 122 09.04 | 0.02# | 3.0 | 4/04 | 259 | 0.11 | AD | S3 | |
| 24 | 13:14:42.16 | 46 11.75 | 122 12.61 | 0.03* | 3.8 | 8/08 | 107 | 0.16 | BB | S3 | |
| 24 | 13:20:53.82 | 46 11.31 | 122 12.66 | 0.93 | 2.9 | 4/04 | 217 | 0. | AD | S3 | |
| 24 | 20:41:18.42 | 46 11.96 | 122 11.23 | 1.16 | 2.8 | 4/04 | 228 | 0. | AD | S3 | |
| 24 | 21:56:49.49 | 46 11.96 | 122 10.38 | 0.03* | 4.4 | 10/10 | 133 | 0.35 | CB | S3 | |
| 25 | 00:21:09.64 | 46 11.78 | 122 12.26 | 0.03* | 2.8 | 6/06 | 154 | 0.07 | AC | S3 | |
| 25 | 00:28:03.28 | 46 12.07 | 122 11.76 | 0.05* | 2.9 | 7/07 | 158 | 0.09 | AC | S3 | |
| 25 | 04:07:09.59 | 46 12.14 | 122 11.14 | 0.04* | 3.8 | 13/13 | 89 | 0.16 | BA | S3 | |
| 25 | 07:08:46.10 | 46 11.80 | 122 11.00 | 0.02* | 4.1 | 10/10 | 143 | 0.20 | BC | S3 | |
| 25 | 13:42:14.04 | 46 12.04 | 122 11.39 | 0.05* | 3.8 | 7/07 | 160 | 0.06 | AC | S3 | |
| 25 | 16:16:15.19 | 46 12.17 | 122 11.31 | 0.04* | 3.5 | 12/12 | 89 | 0.18 | BA | S3 | |
| 25 | 17:18:47.74 | 46 09.19 | 122 10.02 | 19.11 | 3.8 | 7/07 | 270 | 0.03 | BD | S3 | |
| 25 | 19:16:48.47 | 46 12.61 | 122 12.71 | 17.16 | 3.3 | 7/07 | 264 | 0.23 | DD | S3 | |
| 25 | 20:01:00.75 | 46 06.12 | 122 08.64 | 16.55 | 2.9 | 6/06 | 275 | 0.14 | DD | S3 | |
| 25 | 21:03:49.00 | 46 10.52 | 122 11.62 | 18.66 | 3.3 | 7/07 | 268 | 0.12 | CD | S3 | |
| 25 | 21:30:25.99 | 46 12.41 | 122 12.41 | 0.02* | 3.4 | 6/06 | 208 | 0.03 | AD | S3 | |
| 25 | 21:50:51.25 | 46 12.10 | 122 12.32 | 0.02* | 4.1 | 11/11 | 111 | 0.19 | BC | S3 | |
| 25 | 22:14:49.39 | 46 09.64 | 122 11.75 | 10.74 | 3.5 | 7/07 | 269 | 0.31 | DD | S3 | |
| 25 | 22:22:14.57 | 46 11.94 | 122 10.21 | 0.02* | 3.8 | 9/09 | 149 | 0.25 | BC | S3 | |
| 25 | 22:36:24.29 | 46 09.47 | 122 07.63 | 2.70 | 2.9 | 5/05 | 271 | 0.18 | DD | S3 | |
| 25 | 22:49:28.87 | 46 12.71 | 122 13.17 | 0.03* | 2.7 | 5/05 | 264 | 0.03 | AD | S3 | |
| 25 | 22:53:01.65 | 46 11.97 | 122 10.82 | 0.04* | 4.3 | 11/11 | 90 | 0.23 | BA | S3 | |
| 25 | 23:03:03.07 | 46 09.59 | 122 10.41 | 17.89 | 3.5 | 6/06 | 270 | 0.13 | CD | S3 | |
| 25 | 23:26:33.50 | 46 12.22 | 122 11.15 | 0.03* | 3.6 | 11/11 | 89 | 0.19 | BA | S3 | |
| 25 | 23:41:50.58 | 46 09.65 | 122 11.17 | 0.02* | 2.6 | 7/07 | 151 | 0.16 | BC | S3 | |
| 25 | 23:43:02.51 | 46 11.50 | 122 11.16 | 0.02* | 3.8 | 6/06 | 246 | 0.14 | AD | S3 | |
| 26 | 00:02:16.00 | 46 10.63 | 122 09.95 | 21.14 | 2.7 | 7/07 | 268 | 0.15 | CD | S3 | |
| 26 | 00:07:55.27 | 46 09.34 | 122 07.96 | 16.15$ | 3.1 | 7/07 | 271 | 0.29 | DD | S3 | |
| 26 | 00:12:07.79 | 46 12.70 | 122 11.37 | 0.03* | 3.8 | 9/09 | 104 | 0.20 | BC | S3 | |
| 26 | 00:16:28.82 | 46 10.94 | 122 11.65 | 0.04* | 3.2 | 6/06 | 267 | 0.22 | BD | S3 | |
| 26 | 00:29:36.78 | 46 11.12 | 122 11.49 | 19.13 | 3.3 | 8/08 | 267 | 0.12 | CD | S3 | |
| 26 | 00:42:23.56 | 46 03.73 | 122 07.52 | 18.26 | 3.4 | 7/07 | 279 | 0.28 | DD | S3 | |
| 26 | 00:58:46.18 | 46 10.97 | 122 11.85 | 19.18 | 3.3 | 7/07 | 267 | 0.13 | CD | S3 | |
| 26 | 01:00:43.49 | 46 10.46 | 122 11.53 | 17.32 | 3.5 | 6/06 | 268 | 0.09 | BD | S3 | |
| 26 | 01:06:29.91 | 46 12.11 | 122 11.34 | 0.04* | 4.0 | 13/13 | 89 | 0.35 | CA | S3 | |
| 26 | 01:15:42.82 | 46 13.85 | 122 13.50 | 2.05 | 3.8 | 6/06 | 261 | 0.06 | BD | S3 | |
| 26 | 01:37:51.96 | 46 07.08 | 122 08.38 | 15.97$ | 3.7 | 8/08 | 215 | 0.25 | CD | S3 | |
| 26 | 01:53:00.02 | 46 09.68 | 122 10.27 | 18.23 | 3.7 | 7/07 | 270 | 0.17 | DD | S3 | |
| 26 | 02:03:18.33 | 46 12.37 | 122 12.34 | 0.04* | 4.4 | 9/09 | 111 | 0.09 | AB | S3 | |
| 26 | 02:18:32.92 | 46 12.12 | 122 11.57 | 0.03* | 3.7 | 8/08 | 159 | 0.11 | AC | S3 | |
| 26 | 02:25:32.65 | 46 12.45 | 122 11.51 | 0.02* | 3.7 | 8/08 | 107 | 0.17 | BB | S3 | |
| 26 | 02:35:59.94 | 46 12.10 | 122 11.24 | 0.05* | 4.1 | 14/14 | 89 | 0.17 | BA | S3 | |
| 26 | 02:44:38.55 | 46 11.89 | 122 12.00 | 0.03* | 3.4 | 5/05 | 230 | 0.03 | AD | S3 | |
| 26 | 03:01:03.04 | 46 11.73 | 122 12.25 | 0.02* | 3.9 | 11/11 | 95 | 0.21 | BB | S3 | |
| 26 | 03:05:57.73 | 46 12.28 | 122 11.58 | 0.04* | 3.5 | 14/14 | 88 | 0.15 | AA | S3 | |
| 26 | 03:13:20.16 | 46 12.07 | 122 11.85 | 0.04* | 2.3 | 8/08 | 157 | 0.12 | AC | S3 | |

Mar 1980, cont'd

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 03:16:40.64 | 46 02.49 | 122 08.99 | 17.60 | 2.8 | 5/05 | 303 | 0.07 | CD | S3 | |
| 26 | 03:33:00.22 | 46 12.23 | 122 11.38 | 0.74 | 3.5 | 10/10 | 108 | 0.14 | AB | S3 | |
| 26 | 03:36:24.06 | 46 12.41 | 122 10.75 | 0.11 | 3.7 | 15/15 | 90 | 0.17 | BA | S3 | |
| 26 | 04:10:43.29 | 46 12.10 | 122 11.77 | 0.02* | 3.5 | 13/13 | 103 | 0.20 | BB | S3 | |
| 26 | 04:14:28.90 | 46 12.38 | 122 11.31 | 0.05* | 3.7 | 15/16 | 89 | 0.14 | AA | S3 | |
| 26 | 04:42:10.52 | 46 12.50 | 122 10.95 | 0.02* | 3.8 | 13/13 | 109 | 0.25 | BB | S3 | |
| 26 | 04:47:27.19 | 46 12.49 | 122 11.39 | 0.02* | 3.6 | 9/09 | 108 | 0.21 | BB | S3 | |
| 26 | 05:00:04.31 | 46 12.15 | 122 11.02 | 0.02* | 4.3 | 14/14 | 102 | 0.26 | BB | S3 | |
| 26 | 05:13:40.42 | 46 12.28 | 122 11.75 | 0.04* | 4.1 | 11/11 | 107 | 0.15 | BB | S3 | |
| 26 | 05:30:09.88 | 46 11.97 | 122 11.67 | 0.22 | 4.2 | 12/12 | 90 | 0.19 | BA | S3 | |
| 26 | 06:00:13.33 | 46 10.83 | 122 09.52 | 6.00 | 3.5 | 7/07 | 131 | 0.13 | BB | S3 | |
| 26 | 06:14:25.20 | 46 11.95 | 122 11.01 | 0.02* | 3.6 | 9/09 | 111 | 0.25 | BB | S3 | |
| 26 | 06:29:34.67 | 46 07.28 | 122 06.63 | 9.75 | 3.6 | 6/06 | 264 | 0.20 | CD | S3 | |
| 26 | 06:45:40.99 | 46 11.01 | 122 09.78 | 5.45 | 3.9 | 7/07 | 126 | 0.07 | AB | S3 | |
| 26 | 07:17:21.80 | 46 12.31 | 122 10.98 | 0.03* | 4.1 | 11/11 | 112 | 0.11 | AB | S3 | |
| 26 | 09:10:07.87 | 46 12.38 | 122 10.55 | 0.03* | 4.1 | 15/15 | 90 | 0.13 | AA | S3 | |
| 26 | 09:44:02.56 | 46 12.07 | 122 10.14 | 0.02* | 4.4 | 12/12 | 121 | 0.16 | BB | S3 | |
| 26 | 14:17:41.47 | 46 12.05 | 122 10.63 | 0.02* | 3.9 | 11/11 | 116 | 0.17 | BB | S3 | |
| 26 | 14:33:18.07 | 46 06.85 | 122 09.32 | 0.02* | 3.6 | 8/08 | 262 | 0.19 | BD | S3 | H |
| 26 | 14:47:26.14 | 46 15.34 | 122 10.64 | 0.07 | 4.1 | 8/08 | 158 | 0.33 | CC | S3 | H |
| 26 | 15:01:20.11 | 46 08.47 | 122 08.61 | 0.03# | 3.4 | 6/06 | 272 | 0.75 | DD | S3 | H |
| 26 | 15:09:29.06 | 46 21.94 | 122 05.50 | 0.02* | 3.1 | 7/07 | 135 | 0.63 | DC | S3 | H |
| 26 | 15:17:47.99 | 46 08.01 | 122 11.17 | 0.02* | 3.4 | 5/05 | 282 | 0.13 | AD | S3 | H |
| 26 | 15:53:45.74 | 46 07.81 | 122 08.31 | 24.71 | 3.5 | 6/06 | 261 | 0.27 | DD | S3 | H |
| 26 | 16:00:44.11 | 46 12.43 | 122 09.76 | 6.03* | 3.7 | 7/07 | 208 | 0.22 | BD | S3 | H |
| 26 | 16:09:19.20 | 46 09.83 | 122 10.70 | 0.54 | 2.8 | 7/07 | 252 | 0.09 | BD | S3 | H |
| 26 | 16:12:12.65 | 46 11.59 | 122 10.48 | 0.03* | 3.8 | 8/08 | 223 | 0.18 | BD | S3 | H |
| 26 | 17:04:55.04 | 46 09.16 | 122 12.97 | 0.02# | 2.7 | 6/06 | 270 | 0.44 | CD | S3 | H |
| 26 | 17:07:10.82 | 46 11.54 | 122 12.36 | 2.61* | 4.4 | 12/12 | 93 | 0.16 | BB | S3 | |
| 26 | 17:13:55.78 | 46 09.32 | 122 10.65 | 0.02* | 3.2 | 6/06 | 254 | 0.12 | AD | S3 | H |
| 26 | 18:03:25.49 | 46 10.69 | 122 13.54 | 0.90 | 3.1 | 6/06 | 172 | 0.18 | BC | S3 | H |
| 26 | 18:15:17.24 | 46 11.08 | 122 12.52 | 1.56 | 3.2 | 7/07 | 157 | 0.14 | BC | S3 | H |
| 26 | 20:37:49.04 | 46 12.55 | 122 11.24 | 0.29 | 4.0 | 8/08 | 132 | 0.15 | AB | S3 | |
| 27 | 03:40:05.62 | 46 13.08 | 122 10.78 | 0.09 | 4.2 | 10/10 | 101 | 0.17 | BB | S3 | |
| 27 | 03:48:58.46 | 46 12.54 | 122 11.26 | 0.04* | 4.1 | 11/11 | 104 | 0.13 | AB | S3 | |
| 27 | 04:26:10.35 | 46 11.62 | 122 10.93 | 4.53 | 4.0 | 9/09 | 101 | 0.14 | BB | S3 | |
| 27 | 05:30:43.41 | 46 12.27 | 122 11.10 | 0.02* | 3.9 | 10/10 | 103 | 0.19 | BB | S3 | |
| 27 | 06:33:23.85 | 46 11.82 | 122 13.07 | 0.03* | 4.3 | 11/11 | 74 | 0.30 | BA | S3 | |
| 27 | 07:39:15.52 | 46 12.42 | 122 10.68 | 0.04* | 4.0 | 11/11 | 60 | 0.14 | AA | S3 | |
| 27 | 10:40:16.89 | 46 12.33 | 122 11.55 | 0.03* | 3.9 | 11/11 | 106 | 0.15 | AB | S3 | |
| 27 | 12:32:54.55 | 46 12.40 | 122 11.38 | 0.03* | 3.9 | 10/10 | 104 | 0.17 | BB | S3 | |
| 27 | 14:55:54.58 | 46 12.27 | 122 11.46 | 0.03* | 4.3 | 10/10 | 105 | 0.15 | AB | S3 | |
| 27 | 15:55:03.73 | 46 12.51 | 122 12.08 | 1.05 | 4.0 | 8/08 | 109 | 0.21 | BB | S3 | |
| 27 | 18:55:44.83 | 46 12.31 | 122 11.49 | 0.80 | 4.0 | 12/12 | 61 | 0.11 | AA | S3 | |
| 27 | 20:16:43.01 | 46 12.22 | 122 11.17 | 0.14 | 4.3 | 11/11 | 103 | 0.13 | AB | S3 | |
| 27 | 22:00:05.43 | 46 12.89 | 122 11.64 | 0.08 | 4.7 | 15/15 | 58 | 0.30 | BA | S3 | |
| 28 | 01:51:12.64 | 46 12.37 | 122 11.23 | 2.06 | 4.3 | 11/11 | 103 | 0.17 | BB | S3 | |
| 28 | 03:35:50.85 | 46 12.18 | 122 11.39 | 0.05* | 4.0 | 12/12 | 105 | 0.28 | BB | S3 | |
| 28 | 08:28:25.61 | 46 12.85 | 122 10.68 | 0.02* | 4.9 | 15/15 | 53 | 0.42 | CB | S3 | |
| 28 | 12:51:19.35 | 46 12.54 | 122 10.80 | 1.94 | 4.4 | 11/11 | 101 | 0.21 | BB | S3 | |
| 28 | 13:59:38.45 | 46 12.42 | 122 11.36 | 0.79 | 4.1 | 11/11 | 104 | 0.17 | BB | S3 | |
| 28 | 15:18:43.26 | 46 12.29 | 122 12.23 | 0.02* | 4.0 | 11/11 | 110 | 0.31 | CB | S3 | |
| 28 | 22:50:28.48 | 46 12.60 | 122 12.05 | 2.32$ | 4.1 | 11/11 | 109 | 0.34 | CB | S3 | |
| 29 | 05:48:47.36 | 46 12.31 | 122 11.57 | 2.57 | 4.4 | 11/11 | 106 | 0.27 | BB | S3 | |
| 29 | 08:36:56.72 | 46 12.15 | 122 10.53 | 1.26 | 4.4 | 11/11 | 99 | 0.17 | BB | S3 | |
| 29 | 10:34:40.31 | 46 12.86 | 122 11.12 | 0.05* | 4.3 | 9/09 | 103 | 0.24 | BB | S3 | |
| 29 | 11:51:48.16 | 46 12.19 | 122 11.76 | 2.28 | 4.4 | 11/11 | 107 | 0.11 | AB | S3 | |
| 29 | 13:01:50.70 | 46 11.92 | 122 12.24 | 0.05* | 4.3 | 11/11 | 110 | 0.49 | CB | S3 | |
| 29 | 15:05:24.78 | 46 12.14 | 122 11.19 | 0.33 | 4.5 | 10/10 | 103 | 0.20 | BB | S3 | |
| 29 | 15:35:39.62 | 46 12.85 | 122 10.58 | 1.21 | 4.4 | 12/12 | 100 | 0.23 | BB | S3 | |
| 29 | 19:01:01.78 | 46 12.87 | 122 10.66 | 0.45 | 4.0 | 11/11 | 75 | 0.22 | BB | S3 | |
| 29 | 20:55:51.88 | 46 12.42 | 122 11.39 | 0.04* | 4.4 | 11/11 | 105 | 0.16 | BB | S3 | |
| 29 | 23:20:40.56 | 46 12.22 | 122 11.33 | 0.02* | 4.3 | 10/10 | 104 | 0.16 | BB | S3 | |
| 30 | 02:56:19.62 | 46 12.66 | 122 11.49 | 0.02* | 4.3 | 12/12 | 84 | 0.22 | BB | S3 | |
| 30 | 03:53:55.06 | 46 11.51 | 122 10.15 | 0.02* | 4.4 | 9/09 | 96 | 0.17 | BB | S3 | |
| 30 | 07:42:17.10 | 46 12.38 | 122 10.97 | 0.03* | 4.1 | 12/12 | 83 | 0.29 | BB | S3 | |
| 30 | 09:16:53.15 | 46 12.21 | 122 11.59 | 2.04* | 4.5 | 12/12 | 64 | 0.16 | BA | S3 | |
| 30 | 12:39:57.68 | 46 12.57 | 122 10.59 | 0.04* | 4.1 | 13/13 | 61 | 0.19 | BB | S3 | |
| 30 | 13:32:25.33 | 46 12.62 | 122 11.59 | 0.02* | 4.6 | 14/14 | 54 | 0.21 | BA | S3 | |

Mar 1980, cont'd

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 17:55:10.05 | 46 12.50 | 122 10.98 | 0.14 | 4.6 | 14/14 | 58 | 0.25 | BA | S3 | |
| 30 | 22:47:11.76 | 46 12.63 | 122 11.70 | 0.03* | 4.7 | 16/16 | 53 | 0.24 | BA | S3 | |
| 31 | 02:44:06.13 | 46 12.46 | 122 11.61 | 0.98 | 4.5 | 13/13 | 57 | 0.20 | BA | S3 | |
| 31 | 07:49:42.02 | 46 12.58 | 122 11.30 | 0.04* | 4.7 | 12/12 | 81 | 0.11 | AA | S3 | |
| 31 | 08:12:51.92 | 46 12.76 | 122 11.94 | 0.02* | 4.2 | 12/12 | 77 | 0.14 | AA | S3 | |
| 31 | 11:34:09.84 | 46 12.61 | 122 11.62 | 0.03* | 4.6 | 18/18 | 85 | 0.33 | CA | S3 | |
| 31 | 14:49:01.21 | 46 12.91 | 122 11.44 | 0.03* | 4.5 | 19/19 | 60 | 0.29 | BA | S3 | |
| 31 | 14:49:01.20 | 46 12.73 | 122 11.60 | 0.05* | 4.5 | 14/14 | 84 | 0.15 | AB | S3 | |
| 31 | 19:29:11.33 | 46 13.43 | 122 10.23 | 0.03* | 4.2 | 9/09 | 123 | 0.32 | CB | S3 | |
| 31 | 19:37:09.98 | 46 11.77 | 122 11.44 | 0.72 | 3.3 | 10/10 | 90 | 0.23 | BB | S3 | |

Apr 1980

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 04:24:30.57 | 46 12.92 | 122 10.79 | 0.02* | 4.9 | 12/12 | 63 | 0.27 | BB | S3 | |
| 1 | 08:54:25.42 | 46 12.78 | 122 11.23 | 0.03* | 4.9 | 17/17 | 82 | 0.21 | BB | S3 | |
| 1 | 12:30:46.67 | 46 12.49 | 122 10.91 | 1.29 | 4.9 | 18/18 | 60 | 0.19 | BA | S3 | |
| 1 | 15:42:51.67 | 46 12.37 | 122 10.78 | 1.12 | 2.8 | 8/08 | 90 | 0.15 | BA | S3 | |
| 1 | 23:14:38.56 | 46 12.51 | 122 11.60 | 0.25 | 4.9 | 18/18 | 86 | 0.29 | BB | S3 | |
| 2 | 09:37:12.96 | 46 12.57 | 122 11.47 | 0.04* | 4.9 | 18/18 | 58 | 0.31 | CA | S3 | |
| 2 | 18:48:20.66 | 46 12.47 | 122 10.96 | 0.02* | 4.6 | 16/16 | 59 | 0.23 | BA | S3 | |
| 3 | 02:43:19.37 | 46 12.50 | 122 11.34 | 0.03* | 4.8 | 18/18 | 57 | 0.29 | BA | S3 | |
| 3 | 09:34:25.77 | 46 12.51 | 122 10.84 | 1.42 | 3.7 | 9/09 | 114 | 0.28 | BB | S3 | |
| 3 | 09:35:26.88 | 46 13.61 | 122 10.31 | 0.02* | 5.1 | 16/16 | 69 | 0.35 | CA | S3 | |
| 3 | 15:30:20.14 | 46 12.18 | 122 11.13 | 0.65 | 4.3 | 15/15 | 65 | 0.16 | BA | S3 | |
| 3 | 21:03:53.40 | 46 12.38 | 122 10.57 | 0.95 | 2.1 | 9/09 | 117 | 0.18 | BB | S3 | |
| 3 | 21:51:58.54 | 46 12.70 | 122 10.87 | 0.03* | 4.0 | 13/13 | 61 | 0.21 | BA | S3 | |
| 3 | 23:57:51.93 | 46 12.74 | 122 11.19 | 0.02* | 5.0 | 17/17 | 60 | 0.36 | CA | S3 | |
| 4 | 09:42:35.35 | 46 12.72 | 122 12.38 | 1.24* | 4.3 | 14/14 | 88 | 0.18 | BB | S3 | |
| 4 | 09:49:56.13 | 46 13.23 | 122 11.55 | 0.93 | 4.0 | 15/15 | 62 | 0.15 | AA | S3 | |
| 4 | 13:45:05.69 | 46 12.52 | 122 10.86 | 0.90 | 4.9 | 14/14 | 60 | 0.18 | BA | S3 | |
| 4 | 17:32:49.35 | 46 12.27 | 122 11.60 | 1.94 | 3.3 | 11/11 | 93 | 0.40 | CB | S3 | L |
| 4 | 21:40:44.70 | 46 13.30 | 122 11.13 | 0.51* | 4.9 | 16/16 | 64 | 0.18 | BB | S3 | |
| 5 | 02:09:28.75 | 46 12.23 | 122 11.14 | 0.38 | 3.9 | 15/15 | 63 | 0.15 | BA | S3 | |
| 5 | 06:39:03.15 | 46 12.26 | 122 10.99 | 0.02* | 4.3 | 14/14 | 63 | 0.17 | BA | S3 | |
| 5 | 08:49:17.36 | 46 12.59 | 122 10.64 | 1.17 | 4.4 | 17/17 | 61 | 0.29 | BA | S3 | |
| 5 | 10:58:49.28 | 46 12.18 | 122 11.44 | 0.05* | 4.1 | 15/15 | 65 | 0.21 | BA | S3 | |
| 5 | 13:46:55.91 | 46 12.37 | 122 11.99 | 1.81 | 4.5 | 13/13 | 81 | 0.22 | BA | S3 | |
| 5 | 16:42:05.53 | 46 12.94 | 122 11.99 | 2.04* | 4.7 | 17/17 | 48 | 0.48 | CA | S3 | |
| 5 | 23:56:53.36 | 46 12.64 | 122 10.52 | 0.02* | 3.9 | 13/13 | 79 | 0.16 | BC | S3 | |
| 6 | 06:41:38.40 | 46 12.50 | 122 11.02 | 0.03* | 3.9 | 15/15 | 59 | 0.29 | BA | S3 | |
| 6 | 06:58:04.31 | 46 12.63 | 122 11.23 | 0.03* | 5.1 | 16/16 | 59 | 0.29 | BA | S3 | |
| 6 | 11:08:27.37 | 46 12.12 | 122 11.38 | 1.93 | 3.2 | 16/16 | 66 | 0.34 | CA | S3 | |
| 6 | 15:00:38.30 | 46 12.26 | 122 11.12 | 0.16 | 3.9 | 15/15 | 57 | 0.17 | BC | S3 | |
| 6 | 17:18:46.67 | 46 12.77 | 122 10.42 | 0.03* | 4.0 | 9/09 | 63 | 0.19 | BC | S3 | |
| 6 | 20:26:12.26 | 46 12.03 | 122 11.65 | 0.03* | 4.1 | 16/16 | 54 | 0.18 | BB | S3 | |
| 6 | 22:41:03.12 | 46 12.30 | 122 10.91 | 0.03* | 3.7 | 14/14 | 58 | 0.23 | BC | S3 | |
| 6 | 23:22:56.01 | 46 12.29 | 122 10.44 | 0.05* | 4.0 | 15/15 | 60 | 0.23 | BB | S3 | |
| 6 | 23:26:00.80 | 46 12.35 | 122 11.51 | 0.03* | 4.4 | 13/13 | 57 | 0.18 | BC | S3 | |
| 7 | 01:54:13.53 | 46 12.74 | 122 10.73 | 0.04* | 3.9 | 16/16 | 62 | 0.20 | BB | S3 | |
| 7 | 01:57:44.81 | 46 12.42 | 122 11.78 | 0.03* | 4.1 | 14/14 | 56 | 0.23 | BC | S3 | |
| 7 | 03:52:03.23 | 46 12.09 | 122 11.15 | 0.03* | 3.8 | 13/13 | 86 | 0.16 | BC | S3 | |
| 7 | 04:52:53.94 | 46 11.12 | 122 10.06 | 2.58 | 4.0 | 11/11 | 83 | 0.30 | BB | S3 | |
| 7 | 06:45:18.91 | 46 12.78 | 122 10.94 | 0.04* | 4.8 | 17/17 | 61 | 0.29 | BA | S3 | |
| 7 | 09:42:01.54 | 46 12.76 | 122 10.54 | 0.04* | 4.0 | 12/12 | 78 | 0.28 | BC | S3 | |
| 7 | 10:29:03.47 | 46 12.33 | 122 10.74 | 0.78 | 3.7 | 10/10 | 87 | 0.13 | AC | S3 | |
| 7 | 11:32:31.68 | 46 12.58 | 122 10.61 | 0.05* | 4.0 | 12/12 | 61 | 0.12 | AC | S3 | |
| 7 | 11:51:43.57 | 46 12.29 | 122 10.70 | 0.05* | 4.0 | 14/14 | 59 | 0.15 | BC | S3 | |
| 7 | 15:05:32.70 | 46 13.03 | 122 10.90 | 3.39$ | 5.1 | 13/13 | 72 | 0.24 | CC | S3 | |
| 7 | 21:14:57.92 | 46 12.88 | 122 11.33 | 0.50 | 3.6 | 17/17 | 60 | 0.16 | BA | S3 | |
| 7 | 22:50:46.20 | 46 12.25 | 122 11.17 | 0.03* | 3.8 | 15/15 | 57 | 0.20 | BB | S3 | |
| 8 | 01:30:22.96 | 46 12.20 | 122 10.07 | 2.66 | 2.9 | 8/08 | 123 | 0.20 | BB | S3 | |
| 8 | 02:18:46.89 | 46 12.13 | 122 11.33 | 0.04* | 4.0 | 16/16 | 56 | 0.15 | AB | S3 | |
| 8 | 04:46:58.27 | 46 12.64 | 122 10.68 | 0.03* | 4.1 | 14/14 | 61 | 0.27 | BB | S3 | |
| 8 | 06:07:04.52 | 46 12.35 | 122 10.81 | 0.10 | 4.8 | 14/14 | 59 | 0.14 | AB | S3 | |
| 8 | 12:29:15.05 | 46 12.16 | 122 11.66 | 1.16$ | 3.7 | 13/13 | 80 | 0.39 | CB | S3 | |
| 8 | 13:40:56.16 | 46 12.55 | 122 10.76 | 0.04* | 3.7 | 15/15 | 60 | 0.24 | BB | S3 | |
| 8 | 13:42:26.94 | 46 12.08 | 122 10.95 | 0.05* | 4.1 | 15/15 | 78 | 0.23 | BA | S3 | |
| 8 | 14:37:32.28 | 46 12.05 | 122 10.66 | 0.29 | 3.7 | 16/16 | 57 | 0.20 | BA | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 15:47:29.48 | 46 12.07 | 122 11.11 | 0.02* | 3.7 | 17/17 | 56 | 0.21 | BA | S3 | |
| 8 | 17:07:58.47 | 46 12.73 | 122 11.64 | 0.02* | 3.7 | 16/16 | 71 | 0.20 | BA | S3 | |
| 8 | 19:29:02.91 | 46 12.59 | 122 11.75 | 0.44 | 5.1 | 17/17 | 63 | 0.39 | CA | S3 | |
| 8 | 22:10:15.20 | 46 13.48 | 122 11.26 | 0.03* | 4.2 | 13/13 | 71 | 0.29 | BB | S3 | |
| 8 | 22:13:49.87 | 46 12.21 | 122 11.59 | 0.29 | 4.4 | 17/17 | 58 | 0.26 | BB | S3 | |
| 8 | 23:59:16.21 | 46 11.95 | 122 11.30 | 0.02* | 3.7 | 14/14 | 83 | 0.28 | BA | S3 | |
| 9 | 03:25:20.51 | 46 11.87 | 122 11.58 | 0.02* | 3.8 | 13/13 | 55 | 0.14 | AA | S3 | |
| 9 | 03:28:51.26 | 46 12.15 | 122 11.09 | 0.28 | 3.8 | 17/17 | 57 | 0.16 | BA | S3 | |
| 9 | 07:04:47.19 | 46 12.13 | 122 10.98 | 0.03* | 3.8 | 16/16 | 57 | 0.25 | BA | S3 | |
| 9 | 09:01:44.22 | 46 12.12 | 122 11.02 | 2.06 | 4.5 | 16/16 | 57 | 0.23 | BA | S3 | |
| 9 | 10:13:19.82 | 46 11.53 | 122 11.07 | 0.04* | 4.7 | 13/13 | 84 | 0.34 | CA | S3 | |
| 9 | 11:55:26.08 | 46 12.22 | 122 10.86 | 1.13 | 3.8 | 18/18 | 58 | 0.23 | BB | S3 | |
| 9 | 18:19:26.90 | 46 12.84 | 122 10.35 | 0.04* | 4.7 | 9/09 | 102 | 0.17 | BC | S3 | |
| 9 | 22:29:03.38 | 46 12.39 | 122 11.00 | 0.03* | 4.1 | 17/17 | 67 | 0.15 | AA | S3 | |
| 10 | 00:25:47.89 | 46 12.88 | 122 10.08 | 0.04* | 4.8 | 15/17 | 65 | 0.22 | BB | S3 | |
| 10 | 00:44:15.51 | 46 13.30 | 122 11.07 | 0.02* | 4.9 | 21/21 | 61 | 0.25 | BB | S3 | |
| 10 | 05:03:47.72 | 46 12.22 | 122 10.86 | 0.03* | 3.4 | 16/16 | 58 | 0.24 | BA | S3 | |
| 10 | 08:51:25.12 | 46 12.71 | 122 10.47 | 0.03* | 3.8 | 17/17 | 63 | 0.22 | BB | S3 | |
| 10 | 09:56:47.53 | 46 12.20 | 122 11.00 | 0.05* | 3.8 | 17/17 | 57 | 0.17 | BA | S3 | |
| 10 | 14:13:44.46 | 46 12.56 | 122 10.92 | 0.05* | 3.8 | 17/17 | 65 | 0.36 | CB | S3 | |
| 10 | 14:16:15.12 | 46 12.52 | 122 10.99 | 0.04* | 4.7 | 21/21 | 47 | 0.40 | CA | S3 | |
| 10 | 15:22:21.14 | 46 12.23 | 122 11.21 | 0.03* | 3.7 | 19/19 | 57 | 0.36 | CA | S3 | |
| 10 | 18:57:02.36 | 46 11.94 | 122 11.02 | 0.03* | 3.9 | 19/19 | 56 | 0.22 | BA | S3 | |
| 10 | 21:08:26.09 | 46 12.33 | 122 10.79 | 0.45 | 4.2 | 16/16 | 59 | 0.15 | AA | S3 | |
| 10 | 21:35:34.06 | 46 12.26 | 122 10.45 | 0.04* | 3.6 | 16/16 | 60 | 0.35 | CA | S3 | |
| 10 | 22:38:05.70 | 46 12.04 | 122 10.68 | 0.04* | 3.7 | 17/17 | 57 | 0.29 | BA | S3 | |
| 11 | 00:51:48.17 | 46 12.25 | 122 11.01 | 0.02* | 3.8 | 20/20 | 58 | 0.19 | BA | S3 | |
| 11 | 03:36:04.13 | 46 12.40 | 122 11.16 | 0.03* | 3.7 | 18/18 | 64 | 0.19 | BA | S3 | |
| 11 | 04:45:22.02 | 46 13.10 | 122 10.67 | 1.99 | 4.7 | 17/17 | 64 | 0.21 | BB | S3 | |
| 11 | 04:50:38.08 | 46 12.43 | 122 10.76 | 0.02* | 3.8 | 13/13 | 60 | 0.21 | BB | S3 | |
| 11 | 06:01:53.23 | 46 12.61 | 122 10.64 | 0.04* | 3.6 | 15/15 | 61 | 0.31 | CA | S3 | |
| 11 | 06:29:37.37 | 46 11.88 | 122 11.29 | 2.14 | 3.1 | 12/12 | 107 | 0.19 | BB | S3 | |
| 11 | 07:42:01.64 | 46 12.40 | 122 11.69 | 0.03* | 4.1 | 19/19 | 56 | 0.22 | BA | S3 | |
| 11 | 08:34:59.05 | 46 12.60 | 122 11.03 | 0.02* | 3.8 | 17/17 | 60 | 0.28 | BA | S3 | |
| 11 | 08:55:07.57 | 46 11.91 | 122 11.76 | 0.04* | 3.8 | 18/18 | 53 | 0.48 | CA | S3 | |
| 11 | 11:14:16.40 | 46 12.93 | 122 10.29 | 0.02* | 3.8 | 18/18 | 65 | 0.19 | BB | S3 | |
| 11 | 13:32:51.60 | 46 12.52 | 122 11.27 | 0.03* | 3.9 | 13/13 | 73 | 0.31 | CA | S3 | |
| 11 | 14:44:10.63 | 46 12.68 | 122 10.81 | 0.16 | 3.8 | 17/17 | 61 | 0.17 | BA | S3 | |
| 11 | 14:52:25.05 | 46 12.52 | 122 11.27 | 0.02* | 4.1 | 16/16 | 59 | 0.22 | BA | S3 | |
| 11 | 16:19:28.09 | 46 12.33 | 122 10.53 | 1.05 | 2.7 | 12/12 | 62 | 0.11 | AA | S3 | |
| 11 | 16:20:20.52 | 46 10.61 | 122 12.38 | 8.06$ | 3.7 | 9/09 | 120 | 0.54 | DB | S3 | |
| 11 | 18:01:10.32 | 46 12.31 | 122 10.97 | 0.04* | 4.3 | 13/13 | 67 | 0.28 | BA | S3 | |
| 11 | 19:11:08.51 | 46 12.89 | 122 11.26 | 0.04* | 1.6 | 5/05 | 147 | 0.20 | BD | S3 | |
| 11 | 19:15:08.35 | 46 12.00 | 122 09.10 | 0.02* | 4.1 | 13/13 | 63 | 0.27 | BB | S3 | |
| 11 | 20:04:27.75 | 46 12.05 | 122 11.11 | 0.85 | 3.6 | 18/18 | 56 | 0.14 | AA | S3 | |
| 11 | 21:56:30.99 | 46 12.49 | 122 10.80 | 0.04* | 4.0 | 12/12 | 90 | 0.27 | BB | S3 | |
| 11 | 22:06:17.13 | 46 12.55 | 122 11.03 | 0.95 | 3.6 | 18/18 | 60 | 0.15 | AA | S3 | |
| 11 | 22:28:17.88 | 46 12.64 | 122 10.63 | 0.02* | 2.0 | 9/09 | 117 | 0.31 | CB | S3 | |
| 11 | 23:51:59.86 | 46 12.49 | 122 10.08 | 0.02* | 5.0 | 18/18 | 63 | 0.24 | BB | S3 | |
| 12 | 00:47:51.47 | 46 12.00 | 122 10.63 | 1.24 | 2.3 | 13/13 | 57 | 0.12 | AA | S3 | |
| 12 | 02:25:23.61 | 46 13.61 | 122 09.82 | 1.06 | 3.8 | 15/15 | 71 | 0.28 | BA | S3 | |
| 12 | 03:55:42.58 | 46 12.44 | 122 11.93 | 0.08 | 3.7 | 11/11 | 91 | 0.17 | BB | S3 | |
| 12 | 05:16:22.21 | 46 12.99 | 122 10.47 | 0.05* | 4.7 | 21/21 | 63 | 0.28 | BB | S3 | |
| 12 | 15:08:11.70 | 46 12.25 | 122 11.16 | 0.03* | 4.3 | 18/18 | 64 | 0.26 | BA | S3 | |
| 12 | 20:45:33.95 | 46 12.50 | 122 11.47 | 0.04* | 4.0 | 17/17 | 58 | 0.28 | BA | S3 | |
| 12 | 20:47:42.09 | 46 12.80 | 122 10.80 | 0.03* | 4.0 | 17/17 | 62 | 0.20 | BA | S3 | |
| 12 | 21:25:19.52 | 46 12.45 | 122 11.47 | 0.05* | 3.9 | 18/18 | 57 | 0.23 | BB | S3 | |
| 12 | 22:03:55.40 | 46 12.38 | 122 11.06 | 1.43 | 3.6 | 13/13 | 61 | 0.13 | AA | S3 | |
| 12 | 22:29:12.02 | 46 13.11 | 122 11.87 | 1.97* | 4.6 | 19/19 | 60 | 0.23 | BA | S3 | |
| 13 | 00:15:38.20 | 46 12.29 | 122 11.58 | 2.46 | 3.8 | 19/19 | 56 | 0.22 | BA | S3 | |
| 13 | 01:25:55.91 | 46 12.20 | 122 11.34 | 0.05* | 4.2 | 20/20 | 56 | 0.26 | BA | S3 | |
| 13 | 03:03:22.73 | 46 14.67 | 122 11.29 | 0.02* | 4.0 | 11/11 | 130 | 0.37 | CB | S3 | |
| 13 | 04:45:26.90 | 46 12.47 | 122 11.13 | 0.02* | 4.0 | 14/14 | 62 | 0.26 | BA | S3 | |
| 13 | 06:13:18.42 | 46 12.22 | 122 11.26 | 0.59 | 4.2 | 20/20 | 57 | 0.18 | BA | S3 | |
| 13 | 07:39:31.97 | 46 12.49 | 122 11.36 | 0.05* | 3.6 | 18/18 | 58 | 0.18 | BA | S3 | |
| 13 | 08:36:18.75 | 46 12.69 | 122 10.82 | 1.93 | 4.8 | 18/18 | 61 | 0.15 | AA | S3 | |
| 13 | 09:40:46.32 | 46 12.80 | 122 11.12 | 0.02* | 4.0 | 13/13 | 64 | 0.23 | BB | S3 | |
| 13 | 12:05:09.93 | 46 12.60 | 122 10.70 | 0.49 | 2.8 | 11/11 | 73 | 0.16 | BA | S3 | |
| 13 | 12:06:20.57 | 46 12.44 | 122 11.72 | 0.04* | 4.1 | 15/15 | 57 | 0.29 | BA | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 13:18:34.30 | 46 12.60 | 122 11.13 | 0.03* | 3.8 | 17/17 | 60 | 0.30 | CA | S3 | |
| 13 | 14:30:31.26 | 46 12.33 | 122 11.12 | 0.73 | 3.8 | 17/17 | 58 | 0.16 | BB | S3 | |
| 13 | 17:35:41.65 | 46 12.22 | 122 11.59 | 0.16 | 4.5 | 20/20 | 56 | 0.20 | BA | S3 | |
| 13 | 18:58:21.63 | 46 12.59 | 122 11.00 | 0.03* | 4.9 | 18/18 | 60 | 0.15 | BB | S3 | |
| 13 | 21:04:24.80 | 46 12.58 | 122 11.49 | 0.73 | 3.8 | 19/19 | 58 | 0.12 | AA | S3 | |
| 13 | 22:02:51.94 | 46 13.30 | 122 11.62 | 0.02* | 1.4 | 9/09 | 70 | 0.23 | BA | S3 | |
| 13 | 23:57:32.03 | 46 12.78 | 122 10.98 | 0.54 | 3.9 | 17/17 | 61 | 0.13 | AA | S3 | |
| 14 | 00:49:45.17 | 46 12.36 | 122 11.34 | 0.02* | 3.8 | 20/20 | 57 | 0.20 | BA | S3 | |
| 14 | 03:01:02.49 | 46 12.16 | 122 11.26 | 0.95 | 4.1 | 18/18 | 56 | 0.14 | AA | S3 | |
| 14 | 03:44:28.34 | 46 12.39 | 122 11.27 | 0.62 | 3.8 | 11/11 | 69 | 0.17 | BB | S3 | |
| 14 | 06:53:38.80 | 46 12.87 | 122 10.69 | 0.42 | 4.3 | 18/18 | 63 | 0.16 | BB | S3 | |
| 14 | 06:59:22.38 | 46 12.57 | 122 11.53 | 2.01 | 4.9 | 20/20 | 58 | 0.26 | BA | S3 | |
| 14 | 08:37:35.77 | 46 13.06 | 122 10.83 | 0.13 | 3.6 | 16/16 | 63 | 0.20 | BB | S3 | |
| 14 | 08:42:11.63 | 46 12.19 | 122 10.85 | 2.12* | 3.9 | 18/18 | 58 | 0.22 | BA | S3 | |
| 14 | 09:49:09.38 | 46 12.10 | 122 11.26 | 0.92 | 3.7 | 16/16 | 56 | 0.14 | AA | S3 | |
| 14 | 11:06:53.82 | 46 12.68 | 122 11.57 | 0.04* | 3.9 | 12/12 | 75 | 0.19 | BB | S3 | |
| 14 | 11:08:54.69 | 46 12.07 | 122 12.20 | 0.02* | 3.8 | 17/17 | 70 | 0.33 | CA | S3 | |
| 14 | 12:28:43.52 | 46 12.69 | 122 11.24 | 1.18 | 4.4 | 20/20 | 60 | 0.20 | BA | S3 | |
| 14 | 13:49:03.76 | 46 12.21 | 122 11.84 | 1.46* | 5.2 | 18/18 | 55 | 0.19 | BA | S3 | |
| 14 | 15:30:30.61 | 46 12.44 | 122 11.35 | 0.04* | 4.0 | 19/19 | 58 | 0.22 | BA | S3 | |
| 14 | 22:28:53.16 | 46 12.86 | 122 12.02 | 0.02* | 4.0 | 18/18 | 58 | 0.33 | CA | S3 | |
| 15 | 00:37:05.37 | 46 12.52 | 122 11.03 | 2.31# | 4.5 | 16/16 | 59 | 0.22 | BA | S3 | |
| 15 | 02:26:17.98 | 46 11.80 | 122 11.77 | 0.02* | 4.3 | 10/10 | 92 | 0.28 | BB | S3 | |
| 15 | 03:25:19.50 | 46 12.25 | 122 13.68 | 2.17* | 3.9 | 14/14 | 67 | 0.35 | CA | S3 | |
| 15 | 06:58:22.28 | 46 12.64 | 122 12.05 | 1.60 | 4.7 | 20/20 | 57 | 0.36 | CB | S3 | |
| 15 | 07:15:31.87 | 46 12.06 | 122 11.40 | 1.44 | 4.0 | 16/16 | 55 | 0.15 | BA | S3 | |
| 15 | 07:35:25.71 | 46 12.37 | 122 11.61 | 0.75 | 3.9 | 18/18 | 57 | 0.14 | AB | S3 | |
| 15 | 08:51:20.08 | 46 12.55 | 122 11.47 | 0.73 | 3.9 | 14/14 | 85 | 0.28 | BB | S3 | |
| 15 | 11:53:53.93 | 46 12.41 | 122 11.27 | 1.09 | 4.1 | 17/17 | 58 | 0.16 | BA | S3 | |
| 15 | 13:56:24.56 | 46 12.55 | 122 11.85 | 0.05* | 3.9 | 18/18 | 63 | 0.19 | BA | S3 | |
| 15 | 15:27:51.28 | 46 12.56 | 122 11.53 | 1.03 | 3.8 | 17/17 | 64 | 0.15 | BA | S3 | |
| 15 | 16:12:04.66 | 46 12.42 | 122 11.23 | 0.02* | 4.1 | 14/14 | 65 | 0.28 | BA | S3 | |
| 15 | 17:54:54.16 | 46 12.77 | 122 10.86 | 0.41 | 5.0 | 20/20 | 62 | 0.27 | BA | S3 | |
| 16 | 01:54:09.08 | 46 12.63 | 122 11.05 | 0.02* | 2.7 | 16/16 | 86 | 0.27 | BA | S3 | |
| 16 | 04:58:57.41 | 46 12.30 | 122 11.05 | 1.93 | 4.0 | 16/16 | 58 | 0.22 | BA | S3 | |
| 16 | 06:25:52.51 | 46 12.86 | 122 11.62 | 1.04 | 3.8 | 19/19 | 59 | 0.14 | AA | S3 | |
| 16 | 11:47:28.63 | 46 12.15 | 122 11.31 | 1.73 | 4.1 | 20/20 | 56 | 0.24 | BA | S3 | |
| 16 | 15:22:05.54 | 46 12.71 | 122 11.16 | 0.03* | 4.8 | 21/21 | 60 | 0.20 | BA | S3 | |
| 16 | 15:40:23.54 | 46 12.82 | 122 10.57 | 3.29* | 4.6 | 19/19 | 63 | 0.22 | BB | S3 | |
| 16 | 21:29:42.56 | 46 13.03 | 122 11.88 | 2.80* | 3.5 | 16/16 | 59 | 0.11 | AA | S3 | |
| 16 | 22:46:24.77 | 46 12.40 | 122 11.28 | 0.05* | 4.2 | 15/15 | 62 | 0.22 | BA | S3 | |
| 17 | 04:26:15.94 | 46 12.46 | 122 10.90 | 0.65 | 4.7 | 19/19 | 59 | 0.20 | BA | S3 | |
| 17 | 07:06:47.32 | 46 11.58 | 122 12.12 | 2.13 | 4.0 | 14/14 | 56 | 0.21 | BA | S3 | |
| 17 | 08:58:44.80 | 46 11.93 | 122 11.35 | 1.28 | 3.8 | 15/15 | 57 | 0.17 | BA | S3 | |
| 17 | 10:33:00.33 | 46 12.42 | 122 11.29 | 0.70 | 3.6 | 16/16 | 58 | 0.18 | BA | S3 | |
| 17 | 14:43:24.56 | 46 12.24 | 122 11.41 | 0.26 | 3.9 | 16/16 | 61 | 0.23 | BA | S3 | |
| 17 | 16:41:32.59 | 46 12.07 | 122 10.54 | 0.02* | 3.7 | 16/16 | 58 | 0.21 | BA | S3 | |
| 17 | 17:43:22.58 | 46 12.79 | 122 11.16 | 0.57 | 5.0 | 18/18 | 62 | 0.16 | BA | S3 | |
| 17 | 23:20:26.22 | 46 12.58 | 122 11.03 | 0.02* | 3.1 | 9/09 | 94 | 0.23 | BB | S3 | |
| 18 | 00:51:05.77 | 46 12.45 | 122 11.22 | 0.02* | 4.0 | 18/18 | 58 | 0.24 | BA | S3 | |
| 18 | 00:53:40.44 | 46 12.79 | 122 11.01 | 0.03* | 4.7 | 19/19 | 61 | 0.21 | BA | S3 | |
| 18 | 02:24:31.11 | 46 12.02 | 122 11.32 | 0.39 | 3.9 | 17/17 | 55 | 0.13 | AA | S3 | |
| 18 | 04:19:48.40 | 46 12.59 | 122 11.39 | 1.00 | 2.6 | 17/17 | 59 | 0.18 | BA | S3 | |
| 18 | 08:28:08.99 | 46 12.36 | 122 11.23 | 0.02* | 3.8 | 17/17 | 58 | 0.24 | BA | S3 | |
| 18 | 09:23:38.99 | 46 12.04 | 122 11.28 | 0.63 | 4.0 | 17/17 | 55 | 0.21 | BA | S3 | |
| 18 | 10:45:22.28 | 46 12.05 | 122 11.03 | 1.49 | 4.0 | 15/15 | 56 | 0.18 | BA | S3 | |
| 18 | 12:15:43.78 | 46 13.23 | 122 11.19 | 0.03* | 3.5 | 17/17 | 63 | 0.16 | BA | S3 | |
| 18 | 13:03:55.21 | 46 12.69 | 122 10.66 | 0.74 | 4.2 | 19/19 | 62 | 0.18 | BB | S3 | |
| 18 | 13:08:29.38 | 46 12.22 | 122 11.14 | 0.74 | 4.0 | 18/18 | 57 | 0.14 | AA | S3 | |
| 18 | 15:53:13.71 | 46 12.02 | 122 11.34 | 0.03* | 3.9 | 17/17 | 69 | 0.18 | BA | S3 | |
| 18 | 19:16:25.35 | 46 12.28 | 122 11.06 | 2.00 | 4.0 | 15/15 | 85 | 0.21 | BA | S3 | |
| 18 | 20:27:11.70 | 46 12.43 | 122 11.09 | 0.03* | 3.8 | 16/16 | 85 | 0.23 | BA | S3 | |
| 18 | 21:16:02.12 | 46 12.48 | 122 10.95 | 0.61 | 5.0 | 19/19 | 59 | 0.19 | BA | S3 | |
| 18 | 22:27:14.48 | 46 12.49 | 122 10.67 | 1.90 | 4.6 | 17/17 | 60 | 0.16 | BA | S3 | |
| 19 | 02:37:26.16 | 46 12.21 | 122 11.10 | 0.91* | 4.1 | 16/16 | 59 | 0.20 | BA | S3 | |
| 19 | 06:03:12.49 | 46 12.25 | 122 11.56 | 0.49 | 4.1 | 14/14 | 82 | 0.25 | BA | S3 | |
| 19 | 08:07:17.99 | 46 12.34 | 122 11.35 | 0.97 | 4.3 | 17/17 | 57 | 0.16 | BA | S3 | |
| 19 | 14:53:14.24 | 46 12.41 | 122 10.92 | 0.02* | 4.0 | 15/15 | 86 | 0.32 | CA | S3 | |
| 19 | 16:06:47.29 | 46 12.56 | 122 10.91 | 0.77 | 3.2 | 17/17 | 60 | 0.18 | BA | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 17:02:21.53 | 46 12.94 | 122 11.03 | 2.19 | 3.8 | 8/08 | 200 | 0.18 | BD | S3 | |
| 19 | 17:48:35.55 | 46 12.97 | 122 10.43 | 0.03* | 4.4 | 18/18 | 64 | 0.23 | BB | S3 | |
| 19 | 19:07:10.64 | 46 12.49 | 122 11.39 | 0.71 | 3.0 | 14/14 | 58 | 0.11 | AA | S3 | |
| 19 | 19:17:58.32 | 46 12.09 | 122 11.44 | 0.03* | 3.9 | 16/16 | 59 | 0.13 | AA | S3 | |
| 19 | 20:41:38.62 | 46 12.26 | 122 11.21 | 0.61 | 3.8 | 16/16 | 60 | 0.18 | BA | S3 | |
| 19 | 22:28:28.20 | 46 12.59 | 122 10.87 | 1.63 | 4.8 | 17/17 | 60 | 0.18 | BA | S3 | |
| 20 | 00:13:41.09 | 46 12.12 | 122 11.13 | 0.47 | 3.7 | 18/18 | 56 | 0.15 | AA | S3 | |
| 20 | 02:24:37.43 | 46 12.41 | 122 10.89 | 0.11 | 3.8 | 18/18 | 59 | 0.16 | BA | S3 | |
| 20 | 04:53:02.42 | 46 12.34 | 122 11.08 | 0.03* | 4.1 | 18/18 | 58 | 0.23 | BA | S3 | |
| 20 | 05:04:50.29 | 46 12.56 | 122 11.54 | 1.31 | 4.0 | 17/17 | 58 | 0.13 | AA | S3 | |
| 20 | 07:18:09.84 | 46 12.35 | 122 11.15 | 0.80 | 2.9 | 10/10 | 72 | 0.19 | BA | S3 | |
| 20 | 08:08:08.59 | 46 13.06 | 122 11.53 | 0.02* | 4.0 | 16/16 | 61 | 0.32 | CA | S3 | |
| 20 | 10:25:25.07 | 46 12.56 | 122 10.88 | 1.35 | 4.3 | 17/17 | 60 | 0.20 | BA | S3 | |
| 20 | 11:59:30.99 | 46 12.18 | 122 11.28 | 0.81 | 3.9 | 17/17 | 56 | 0.17 | BA | S3 | |
| 20 | 13:29:24.24 | 46 12.21 | 122 11.30 | 0.70 | 3.8 | 18/18 | 57 | 0.18 | BA | S3 | |
| 20 | 15:47:09.51 | 46 12.25 | 122 11.36 | 0.35 | 3.8 | 18/18 | 57 | 0.14 | AA | S3 | |
| 20 | 16:15:33.46 | 46 12.58 | 122 11.04 | 0.05* | 3.0 | 16/16 | 61 | 0.22 | BA | S3 | |
| 20 | 16:43:01.65 | 46 12.49 | 122 12.05 | 1.81 | 2.7 | 9/09 | 70 | 0.06 | AA | S3 | |
| 20 | 16:55:56.09 | 46 12.23 | 122 11.29 | 0.04* | 3.6 | 18/18 | 57 | 0.23 | BA | S3 | |
| 20 | 17:53:34.00 | 46 12.13 | 122 11.48 | 0.70 | 4.0 | 19/19 | 55 | 0.27 | BA | S3 | |
| 20 | 19:19:32.87 | 46 12.64 | 122 10.71 | 1.47 | 5.1 | 19/19 | 61 | 0.21 | BA | S3 | |
| 20 | 20:12:19.28 | 46 12.07 | 122 11.47 | 0.04* | 3.9 | 18/18 | 55 | 0.18 | BA | S3 | |
| 20 | 22:03:48.71 | 46 12.67 | 122 10.58 | 0.32 | 4.4 | 20/20 | 66 | 0.20 | BB | S3 | |
| 20 | 22:10:57.00 | 46 12.37 | 122 11.97 | 0.04* | 3.8 | 17/17 | 62 | 0.29 | BA | S3 | |
| 21 | 03:23:33.67 | 46 12.16 | 122 11.33 | 0.58 | 4.1 | 17/17 | 56 | 0.23 | BA | S3 | |
| 21 | 05:17:52.14 | 46 12.54 | 122 10.88 | 0.04* | 4.3 | 16/16 | 60 | 0.23 | BA | S3 | |
| 21 | 05:57:24.62 | 46 12.32 | 122 11.33 | 0.40 | 3.9 | 17/17 | 72 | 0.25 | BA | S3 | |
| 21 | 07:54:39.16 | 46 12.49 | 122 11.28 | 0.04* | 3.9 | 17/17 | 58 | 0.18 | BA | S3 | |
| 21 | 13:31:20.73 | 46 12.25 | 122 11.12 | 0.03* | 3.8 | 17/17 | 57 | 0.21 | BA | S3 | |
| 21 | 14:10:26.07 | 46 12.53 | 122 11.74 | 0.02* | 2.7 | 16/16 | 63 | 0.21 | BA | S3 | |
| 21 | 15:13:54.63 | 46 12.50 | 122 10.43 | 0.02* | 4.8 | 14/14 | 61 | 0.10 | AB | S3 | |
| 21 | 17:27:31.88 | 46 12.06 | 122 11.87 | 0.03* | 3.8 | 18/18 | 54 | 0.18 | BA | S3 | |
| 21 | 19:49:02.85 | 46 12.17 | 122 11.13 | 0.71 | 3.8 | 18/18 | 57 | 0.16 | BA | S3 | |
| 21 | 19:52:08.57 | 46 12.66 | 122 10.01 | 0.02* | 4.4 | 15/15 | 74 | 0.19 | BB | S3 | |
| 21 | 20:33:59.42 | 46 12.67 | 122 11.27 | 0.04* | 3.9 | 16/16 | 82 | 0.24 | BA | S3 | |
| 22 | 03:10:35.69 | 46 12.67 | 122 12.04 | 1.24 | 3.0 | 8/08 | 83 | 0.15 | AA | S3 | |
| 22 | 03:11:33.07 | 46 12.16 | 122 11.04 | 0.47 | 4.0 | 14/14 | 106 | 0.24 | BB | S3 | |
| 22 | 06:11:55.81 | 46 12.64 | 122 10.88 | 1.33 | 4.4 | 18/18 | 61 | 0.17 | BA | S3 | |
| 22 | 06:46:20.05 | 46 13.23 | 122 11.64 | 0.54 | 4.0 | 17/17 | 61 | 0.48 | CA | S3 | |
| 22 | 10:25:05.48 | 46 12.55 | 122 11.36 | 0.78 | 4.4 | 17/17 | 58 | 0.18 | BA | S3 | |
| 22 | 11:54:49.51 | 46 12.50 | 122 11.41 | 0.58 | 2.7 | 18/18 | 58 | 0.13 | AA | S3 | |
| 22 | 12:55:48.90 | 46 12.11 | 122 11.01 | 1.05 | 3.8 | 17/17 | 57 | 0.31 | CA | S3 | |
| 22 | 16:36:17.95 | 46 12.26 | 122 11.17 | 0.04* | 4.0 | 19/19 | 57 | 0.24 | BA | S3 | |
| 22 | 18:02:00.84 | 46 12.21 | 122 11.23 | 0.04* | 3.7 | 17/17 | 57 | 0.22 | BA | S3 | |
| 22 | 18:37:51.24 | 46 12.37 | 122 11.33 | 0.02* | 3.1 | 18/18 | 57 | 0.27 | BA | S3 | |
| 22 | 19:28:18.71 | 46 12.16 | 122 10.92 | 0.31 | 5.0 | 19/19 | 57 | 0.18 | BA | S3 | |
| 22 | 19:32:35.15 | 46 12.71 | 122 10.62 | 0.21 | 2.8 | 10/10 | 88 | 0.12 | AB | S3 | |
| 22 | 20:43:10.16 | 46 11.87 | 122 11.48 | 0.35 | 3.6 | 18/18 | 54 | 0.13 | AA | S3 | |
| 22 | 22:04:11.02 | 46 12.37 | 122 10.20 | 2.73 | 4.4 | 17/17 | 61 | 0.25 | BB | S3 | |
| 23 | 03:01:04.95 | 46 12.02 | 122 11.40 | 1.72 | 3.5 | 17/17 | 55 | 0.25 | BA | S3 | |
| 23 | 03:03:04.65 | 46 11.48 | 122 10.51 | 3.39* | 3.5 | 11/11 | 116 | 0.15 | AB | S3 | |
| 23 | 03:29:31.92 | 46 11.96 | 122 11.58 | 0.47 | 3.6 | 17/17 | 58 | 0.17 | BA | S3 | |
| 23 | 06:04:16.83 | 46 12.37 | 122 11.06 | 1.19 | 1.7 | 7/07 | 112 | 0.14 | AB | S3 | |
| 23 | 06:33:10.52 | 46 12.57 | 122 11.67 | 1.04 | 3.7 | 19/19 | 58 | 0.18 | BA | S3 | |
| 23 | 06:44:41.56 | 46 12.09 | 122 11.08 | 0.04* | 3.8 | 18/18 | 56 | 0.21 | BA | S3 | |
| 23 | 06:46:51.77 | 46 11.94 | 122 11.97 | 0.35 | 3.6 | 19/19 | 53 | 0.18 | BA | S3 | |
| 23 | 08:42:42.79 | 46 12.16 | 122 11.06 | 0.93 | 3.9 | 17/17 | 57 | 0.23 | BA | S3 | |
| 23 | 09:19:56.29 | 46 12.26 | 122 11.25 | 1.22 | 3.5 | 18/18 | 57 | 0.16 | BA | S3 | |
| 23 | 12:28:39.21 | 46 12.26 | 122 11.23 | 0.44 | 3.8 | 16/16 | 63 | 0.24 | BA | S3 | |
| 23 | 12:30:28.26 | 46 12.49 | 122 11.40 | 2.20* | 3.8 | 15/15 | 58 | 0.26 | BA | S3 | |
| 23 | 13:08:15.32 | 46 12.39 | 122 12.11 | 1.11 | 4.0 | 16/16 | 55 | 0.20 | BA | S3 | |
| 23 | 14:32:43.39 | 46 12.51 | 122 10.97 | 0.05* | 3.7 | 17/17 | 59 | 0.24 | BA | S3 | |
| 23 | 15:18:01.01 | 46 12.47 | 122 10.82 | 0.04* | 4.5 | 17/17 | 60 | 0.20 | BB | S3 | |
| 23 | 15:31:02.94 | 46 11.52 | 122 11.24 | 1.71 | 3.8 | 17/17 | 52 | 0.19 | BA | S3 | |
| 23 | 20:15:38.10 | 46 12.08 | 122 11.38 | 1.15 | 3.8 | 17/17 | 55 | 0.20 | BA | S3 | |
| 23 | 21:20:02.22 | 46 12.29 | 122 11.18 | 0.12 | 3.7 | 19/19 | 57 | 0.18 | BA | S3 | |
| 23 | 23:06:50.54 | 46 11.40 | 122 12.22 | 1.94 | 3.9 | 13/13 | 70 | 0.25 | BA | S3 | |
| 24 | 00:29:34.50 | 46 12.85 | 122 10.93 | 0.88 | 3.7 | 17/17 | 72 | 0.19 | BA | S3 | |
| 24 | 01:41:05.11 | 46 12.06 | 122 12.13 | 0.03* | 3.9 | 18/18 | 53 | 0.28 | BA | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 02:28:23.42 | 46 12.41 | 122 11.15 | 0.04* | 3.8 | 16/16 | 58 | 0.24 | BA | S3 | |
| 24 | 04:21:41.14 | 46 12.15 | 122 11.30 | 0.57 | 3.9 | 17/17 | 56 | 0.18 | BA | S3 | |
| 24 | 05:05:03.08 | 46 12.26 | 122 11.51 | 1.73 | 3.8 | 14/14 | 83 | 0.15 | AA | S3 | |
| 24 | 06:01:03.84 | 46 11.77 | 122 10.76 | 0.03* | 3.8 | 13/13 | 60 | 0.19 | BA | S3 | |
| 24 | 06:37:21.23 | 46 12.45 | 122 11.45 | 1.71 | 3.6 | 15/15 | 63 | 0.12 | AA | S3 | |
| 24 | 07:31:46.55 | 46 12.24 | 122 11.71 | 1.31 | 2.6 | 14/14 | 62 | 0.17 | BA | S3 | |
| 24 | 08:26:59.23 | 46 12.39 | 122 11.27 | 0.67 | 3.8 | 14/14 | 63 | 0.14 | AA | S3 | |
| 24 | 09:50:09.42 | 46 12.55 | 122 10.76 | 0.34 | 4.4 | 17/17 | 61 | 0.15 | BA | S3 | |
| 24 | 10:50:42.62 | 46 12.74 | 122 11.45 | 0.03* | 4.0 | 18/18 | 59 | 0.18 | BA | S3 | |
| 24 | 13:32:07.78 | 46 11.73 | 122 10.79 | 2.79 | 4.1 | 17/17 | 55 | 0.17 | BA | S3 | |
| 24 | 15:31:37.76 | 46 12.30 | 122 11.16 | 0.93 | 3.9 | 15/15 | 63 | 0.14 | AA | S3 | |
| 24 | 17:34:10.30 | 46 12.76 | 122 10.95 | 0.99 | 4.8 | 18/18 | 61 | 0.17 | BA | S3 | |
| 24 | 17:59:50.16 | 46 12.75 | 122 10.96 | 0.05* | 3.9 | 15/15 | 61 | 0.24 | BB | S3 | |
| 24 | 19:00:42.07 | 46 12.34 | 122 11.24 | 0.03* | 3.9 | 18/18 | 58 | 0.20 | BA | S3 | |
| 24 | 19:54:24.57 | 46 12.15 | 122 11.06 | 0.28 | 3.7 | 17/17 | 57 | 0.24 | BA | S3 | |
| 24 | 23:07:53.59 | 46 12.66 | 122 10.93 | 0.56 | 4.2 | 18/18 | 61 | 0.17 | BA | S3 | |
| 25 | 00:27:57.56 | 46 12.10 | 122 12.29 | 0.03* | 4.0 | 12/12 | 70 | 0.19 | BB | S3 | |
| 25 | 04:55:31.86 | 46 12.17 | 122 11.39 | 1.12 | 3.9 | 17/17 | 56 | 0.16 | BA | S3 | |
| 25 | 06:26:42.30 | 46 12.33 | 122 11.58 | 1.82 | 3.7 | 15/15 | 62 | 0.17 | BA | S3 | |
| 25 | 07:03:42.56 | 46 12.42 | 122 10.96 | 0.46 | 3.8 | 13/13 | 65 | 0.15 | AA | S3 | |
| 25 | 11:00:21.74 | 46 12.18 | 122 11.27 | 0.67 | 4.1 | 16/16 | 56 | 0.21 | BA | S3 | |
| 25 | 11:03:43.57 | 46 12.66 | 122 10.68 | 0.77 | 3.9 | 17/17 | 62 | 0.17 | BA | S3 | |
| 26 | 12:16:55.66 | 46 12.22 | 122 11.20 | 0.03* | 4.0 | 16/16 | 62 | 0.28 | BA | S3 | |
| 26 | 14:26:00.24 | 46 12.73 | 122 10.76 | 0.71 | 4.0 | 16/16 | 62 | 0.16 | BA | S3 | |
| 26 | 15:53:59.74 | 46 12.44 | 122 10.95 | 0.04* | 4.1 | 17/17 | 59 | 0.30 | CA | S3 | |
| 26 | 17:33:04.42 | 46 12.89 | 122 11.49 | 1.31 | 2.8 | 15/15 | 60 | 0.09 | AA | S3 | |
| 26 | 17:48:37.19 | 46 12.23 | 122 11.21 | 0.91 | 3.9 | 17/17 | 57 | 0.18 | BA | S3 | |
| 26 | 20:14:33.13 | 46 12.28 | 122 10.81 | 0.02* | 3.7 | 16/16 | 59 | 0.24 | BA | S3 | |
| 26 | 22:10:32.49 | 46 11.91 | 122 11.74 | 2.05 | 3.8 | 17/17 | 53 | 0.24 | BA | S3 | |
| 27 | 01:15:41.64 | 46 12.41 | 122 11.33 | 1.99 | 4.3 | 17/17 | 71 | 0.17 | BA | S3 | |
| 27 | 01:59:56.07 | 46 12.27 | 122 11.21 | 0.04* | 4.2 | 16/16 | 72 | 0.22 | BA | S3 | |
| 27 | 02:46:03.07 | 46 12.46 | 122 11.06 | 0.51 | 3.8 | 14/14 | 59 | 0.20 | BA | S3 | |
| 27 | 05:46:37.27 | 46 12.27 | 122 10.94 | 0.03* | 3.8 | 15/15 | 58 | 0.25 | BA | S3 | |
| 27 | 07:15:17.40 | 46 12.16 | 122 11.16 | 3.33$ | 4.0 | 14/14 | 57 | 0.21 | BA | S3 | |
| 27 | 07:26:21.08 | 46 12.63 | 122 10.72 | 0.03* | 4.9 | 15/15 | 61 | 0.15 | BA | S3 | |
| 27 | 07:38:29.35 | 46 12.28 | 122 11.46 | 1.33 | 3.8 | 13/13 | 96 | 0.21 | BB | S3 | |
| 27 | 08:31:07.27 | 46 12.11 | 122 11.10 | 0.30 | 3.9 | 15/15 | 56 | 0.33 | CA | S3 | |
| 27 | 12:34:37.39 | 46 12.47 | 122 11.27 | 0.03* | 4.0 | 15/15 | 58 | 0.30 | BA | S3 | |
| 27 | 14:48:20.20 | 46 12.59 | 122 10.68 | 0.88* | 4.2 | 14/14 | 61 | 0.24 | BA | S3 | |
| 27 | 17:04:39.13 | 46 11.99 | 122 11.59 | 0.03* | 3.9 | 15/15 | 54 | 0.21 | BA | S3 | |
| 27 | 20:54:19.59 | 46 12.18 | 122 11.04 | 0.02* | 3.9 | 15/15 | 57 | 0.21 | BA | S3 | |
| 27 | 21:28:26.77 | 46 12.20 | 122 10.98 | 0.29 | 3.9 | 12/12 | 72 | 0.22 | BA | S3 | |
| 27 | 23:40:47.53 | 46 12.37 | 122 11.11 | 0.09 | 3.9 | 15/15 | 58 | 0.16 | BA | S3 | |
| 28 | 03:49:33.55 | 46 12.50 | 122 11.35 | 1.89 | 4.9 | 15/15 | 71 | 0.16 | BA | S3 | |
| 28 | 04:09:24.37 | 46 12.17 | 122 11.41 | 0.31 | 3.6 | 15/15 | 71 | 0.16 | BA | S3 | |
| 28 | 05:15:53.90 | 46 12.88 | 122 10.85 | 0.02* | 4.4 | 15/15 | 72 | 0.26 | BA | S3 | |
| 28 | 06:23:39.81 | 46 12.25 | 122 11.31 | 0.04* | 3.8 | 13/13 | 84 | 0.21 | BA | S3 | |
| 28 | 11:10:36.82 | 46 12.27 | 122 10.96 | 1.13 | 2.7 | 10/10 | 139 | 0.26 | BC | S3 | |
| 28 | 12:30:54.65 | 46 11.95 | 122 11.30 | 0.15 | 4.0 | 14/14 | 83 | 0.28 | BA | S3 | |
| 28 | 12:38:41.73 | 46 12.81 | 122 10.68 | 0.04* | 3.8 | 13/13 | 88 | 0.34 | CB | S3 | |
| 28 | 12:39:38.54 | 46 12.56 | 122 11.39 | 0.04* | 4.1 | 11/11 | 84 | 0.10 | AC | S3 | |
| 28 | 15:09:07.57 | 46 12.11 | 122 10.89 | 0.75 | 4.1 | 14/14 | 85 | 0.24 | BA | S3 | |
| 28 | 17:07:11.68 | 46 12.68 | 122 10.80 | 0.02* | 3.8 | 11/11 | 87 | 0.32 | CA | S3 | |
| 28 | 17:52:52.91 | 46 12.64 | 122 11.26 | 1.84 | 3.2 | 14/14 | 71 | 0.21 | BA | S3 | |
| 28 | 19:10:34.65 | 46 12.28 | 122 11.16 | 0.04* | 3.9 | 11/11 | 118 | 0.30 | CB | S3 | |
| 28 | 22:12:19.18 | 46 12.03 | 122 10.67 | 0.02* | 3.4 | 9/09 | 212 | 0.38 | CD | S3 | |
| 28 | 23:52:35.49 | 46 12.34 | 122 10.84 | 0.38 | 4.1 | 8/08 | 108 | 0.20 | BB | S3 | |
| 29 | 03:37:36.38 | 46 12.41 | 122 11.14 | 1.63 | 3.8 | 12/12 | 85 | 0.14 | AA | S3 | |
| 29 | 04:24:30.04 | 46 12.86 | 122 10.78 | 1.13 | 4.8 | 12/12 | 88 | 0.10 | AB | S3 | |
| 29 | 06:20:50.27 | 46 12.95 | 122 10.78 | 0.02* | 3.7 | 11/11 | 69 | 0.19 | BB | S3 | |
| 29 | 06:22:38.51 | 46 12.98 | 122 11.00 | 0.03* | 4.6 | 13/13 | 73 | 0.25 | BA | S3 | |
| 29 | 06:29:24.52 | 46 13.28 | 122 09.41 | 0.04* | 3.4 | 10/10 | 71 | 0.37 | CB | S3 | |
| 29 | 06:51:05.10 | 46 12.10 | 122 11.32 | 0.11 | 3.9 | 12/12 | 61 | 0.10 | AA | S3 | |
| 29 | 08:59:23.71 | 46 11.70 | 122 13.22 | 3.55 | 3.8 | 12/12 | 54 | 0.24 | BA | S3 | |
| 29 | 11:13:35.19 | 46 12.31 | 122 11.03 | 0.03* | 3.6 | 13/13 | 63 | 0.21 | BA | S3 | |
| 29 | 12:41:36.33 | 46 12.59 | 122 10.79 | 0.63 | 4.2 | 13/13 | 63 | 0.10 | AA | S3 | |
| 29 | 12:46:07.96 | 46 12.60 | 122 10.72 | 0.63 | 3.9 | 9/09 | 63 | 0.20 | BC | S3 | |
| 29 | 15:21:27.55 | 46 13.12 | 122 08.92 | 1.14* | 3.7 | 10/10 | 73 | 0.22 | BB | S3 | |
| 29 | 17:46:05.73 | 46 12.91 | 122 10.57 | 0.02* | 3.8 | 9/09 | 89 | 0.09 | AB | S3 | |

**Apr 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 19:37:52.50 | 46 12.44 | 122 11.83 | 0.05* | 3.4 | 11/11 | 77 | 0.20 | BA | S3 | |
| 29 | 21:34:09.82 | 46 12.43 | 122 10.93 | 0.66 | 3.5 | 9/09 | 86 | 0.12 | AA | S3 | |
| 30 | 00:34:10.35 | 46 11.56 | 122 09.60 | 0.02* | 4.2 | 12/12 | 59 | 0.29 | BB | S3 | |
| 30 | 02:23:13.04 | 46 12.35 | 122 11.98 | 1.49 | 3.6 | 12/12 | 60 | 0.25 | BA | S3 | |
| 30 | 02:34:29.87 | 46 12.38 | 122 11.50 | 1.11 | 3.5 | 12/12 | 83 | 0.16 | BA | S3 | |
| 30 | 04:12:13.68 | 46 12.12 | 122 11.30 | 0.02* | 3.7 | 11/11 | 81 | 0.16 | BA | S3 | |
| 30 | 05:09:02.50 | 46 12.61 | 122 10.32 | 0.96 | 4.9 | 12/12 | 63 | 0.14 | AB | S3 | |
| 30 | 05:09:02.52 | 46 12.64 | 122 10.16 | 0.37 | 4.9 | 13/13 | 63 | 0.11 | AB | S3 | |
| 30 | 05:38:07.55 | 46 12.41 | 122 11.43 | 0.03* | 3.9 | 13/13 | 63 | 0.17 | BA | S3 | |
| 30 | 07:17:11.18 | 46 10.25 | 122 09.34 | 0.03* | 3.8 | 12/12 | 68 | 0.46 | CB | S3 | |
| 30 | 07:42:09.22 | 46 12.70 | 122 11.31 | 1.65 | 4.5 | 11/11 | 73 | 0.20 | BA | S3 | |
| 30 | 07:42:09.19 | 46 12.65 | 122 11.05 | 1.36 | 4.5 | 10/10 | 137 | 0.13 | AC | S3 | |
| 30 | 07:54:58.91 | 46 12.23 | 122 10.26 | 0.09 | 4.0 | 10/10 | 114 | 0.28 | BB | S3 | |
| 30 | 09:20:51.98 | 46 12.21 | 122 11.14 | 0.88 | 3.9 | 11/11 | 84 | 0.10 | AA | S3 | |
| 30 | 12:24:21.72 | 46 12.40 | 122 10.59 | 0.04* | 3.7 | 11/11 | 93 | 0.21 | BB | S3 | |
| 30 | 20:45:59.42 | 46 12.26 | 122 10.84 | 0.04* | 2.7 | 10/10 | 86 | 0.10 | AA | S3 | |
| 30 | 20:50:38.47 | 46 12.12 | 122 11.13 | 0.58 | 4.0 | 13/13 | 84 | 0.13 | AA | S3 | |
| 30 | 22:41:12.83 | 46 12.12 | 122 10.31 | 0.05* | 3.7 | 14/14 | 88 | 0.28 | BB | S3 | |

**May 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 01:07:29.89 | 46 12.33 | 122 11.18 | 0.03* | 3.8 | 15/15 | 72 | 0.25 | BA | S3 | |
| 1 | 04:46:15.46 | 46 12.53 | 122 10.93 | 0.04* | 4.6 | 12/12 | 92 | 0.29 | BB | S3 | |
| 1 | 04:46:15.45 | 46 12.39 | 122 10.92 | 0.04* | 4.6 | 14/14 | 86 | 0.23 | BA | S3 | |
| 1 | 04:48:18.11 | 46 12.77 | 122 11.42 | 0.33 | 3.2 | 14/14 | 85 | 0.20 | BA | S3 | |
| 1 | 04:53:05.08 | 46 12.34 | 122 11.05 | 0.03* | 3.8 | 12/12 | 85 | 0.20 | BC | S3 | |
| 1 | 06:18:32.19 | 46 12.18 | 122 11.34 | 0.57 | 4.1 | 14/14 | 83 | 0.16 | BA | S3 | |
| 1 | 10:59:03.55 | 46 11.52 | 122 11.78 | 1.88$ | 4.0 | 14/14 | 79 | 0.21 | BA | S3 | |
| 1 | 12:46:12.19 | 46 12.53 | 122 10.62 | 0.46 | 3.7 | 12/12 | 88 | 0.17 | BA | S3 | |
| 1 | 15:36:42.68 | 46 11.96 | 122 10.62 | 0.04* | 3.7 | 12/12 | 141 | 0.27 | BC | S3 | |
| 1 | 19:27:15.65 | 46 11.32 | 122 11.95 | 0.04* | 4.6 | 12/12 | 71 | 0.17 | BA | S3 | |
| 1 | 19:40:08.04 | 46 12.70 | 122 11.81 | 1.20$ | 3.6 | 11/11 | 70 | 0.36 | CC | S3 | |
| 1 | 21:31:09.45 | 46 12.59 | 122 10.49 | 0.04* | 4.1 | 15/15 | 73 | 0.42 | CB | S3 | |
| 1 | 22:00:17.06 | 46 12.34 | 122 11.77 | 0.02* | 3.6 | 15/15 | 71 | 0.30 | BA | S3 | |
| 1 | 23:01:10.72 | 46 12.52 | 122 11.20 | 0.67 | 3.8 | 12/12 | 72 | 0.32 | CA | S3 | |
| 2 | 00:57:09.32 | 46 12.76 | 122 12.06 | 0.05* | 3.8 | 14/14 | 70 | 0.36 | CA | S3 | |
| 2 | 03:09:15.16 | 46 09.71 | 122 12.80 | 0.05* | 3.7 | 12/12 | 118 | 0.61 | DB | S3 | |
| 2 | 05:11:14.88 | 46 12.76 | 122 11.27 | 0.02* | 2.7 | 12/12 | 71 | 0.27 | BA | S3 | |
| 2 | 05:12:18.99 | 46 12.51 | 122 10.95 | 2.16 | 4.4 | 15/15 | 72 | 0.18 | BA | S3 | |
| 2 | 08:36:31.46 | 46 12.14 | 122 11.78 | 0.03* | 4.1 | 12/12 | 135 | 0.17 | BB | S3 | |
| 2 | 09:52:25.15 | 46 12.08 | 122 10.83 | 0.03* | 3.9 | 12/12 | 140 | 0.28 | BC | S3 | |
| 2 | 11:26:24.27 | 46 12.09 | 122 10.40 | 0.03* | 3.9 | 9/09 | 184 | 0.27 | BD | S3 | |
| 2 | 12:52:17.75 | 46 12.37 | 122 10.56 | 6.66 | 4.3 | 10/10 | 140 | 0.28 | BC | S3 | |
| 2 | 12:58:58.63 | 46 12.11 | 122 10.42 | 1.55 | 3.5 | 9/09 | 142 | 0.19 | BC | S3 | |
| 2 | 13:02:29.44 | 46 12.91 | 122 11.40 | 0.03* | 4.8 | 15/15 | 72 | 0.27 | BA | S3 | |
| 2 | 13:27:24.48 | 46 12.59 | 122 10.78 | 0.02* | 3.5 | 11/11 | 139 | 0.30 | CC | S3 | |
| 2 | 14:00:22.91 | 46 12.25 | 122 11.36 | 0.48 | 3.5 | 11/11 | 137 | 0.21 | BC | S3 | |
| 2 | 15:07:08.71 | 46 12.15 | 122 11.14 | 0.06 | 3.8 | 12/12 | 138 | 0.19 | BC | S3 | |
| 2 | 16:42:35.36 | 46 12.48 | 122 11.13 | 0.05* | 3.2 | 12/12 | 137 | 0.23 | BC | S3 | |
| 2 | 18:59:47.20 | 46 12.04 | 122 11.01 | 0.02* | 3.8 | 13/13 | 139 | 0.16 | BC | S3 | |
| 2 | 21:00:24.09 | 46 12.09 | 122 11.85 | 0.03* | 3.8 | 13/13 | 134 | 0.27 | BB | S3 | |
| 2 | 23:12:07.79 | 46 12.26 | 122 11.32 | 0.02* | 3.7 | 14/14 | 137 | 0.30 | CC | S3 | |
| 3 | 03:04:28.86 | 46 12.63 | 122 11.24 | 0.02* | 3.9 | 13/13 | 136 | 0.18 | BC | S3 | |
| 3 | 05:00:46.42 | 46 12.23 | 122 10.75 | 0.05* | 4.5 | 13/13 | 140 | 0.26 | BC | S3 | |
| 3 | 05:05:30.26 | 46 12.62 | 122 11.41 | 0.02* | 4.4 | 13/13 | 135 | 0.20 | BB | S3 | |
| 3 | 05:10:09.49 | 46 13.76 | 122 12.69 | 2.06* | 3.7 | 12/12 | 126 | 0.19 | BB | S3 | |
| 3 | 05:18:57.17 | 46 12.55 | 122 11.40 | 1.27 | 3.6 | 12/12 | 136 | 0.15 | AC | S3 | |
| 3 | 05:35:06.56 | 46 12.73 | 122 11.94 | 0.02* | 2.9 | 12/12 | 132 | 0.21 | BB | S3 | |
| 3 | 06:47:50.59 | 46 11.97 | 122 11.24 | 0.45 | 4.1 | 11/11 | 138 | 0.20 | BC | S3 | |
| 3 | 08:54:52.21 | 46 12.36 | 122 11.59 | 0.58 | 3.6 | 14/14 | 135 | 0.19 | BB | S3 | |
| 3 | 10:47:38.95 | 46 12.83 | 122 11.25 | 0.04* | 3.8 | 11/11 | 135 | 0.26 | BB | S3 | |
| 3 | 13:37:02.01 | 46 12.31 | 122 11.74 | 0.05* | 3.4 | 12/12 | 134 | 0.28 | BB | S3 | |
| 3 | 13:42:58.27 | 46 11.53 | 122 10.68 | 0.04* | 3.5 | 12/12 | 142 | 0.12 | AC | S3 | |
| 3 | 15:40:57.02 | 46 12.42 | 122 12.00 | 0.46 | 4.2 | 14/14 | 133 | 0.18 | BB | S3 | |
| 3 | 20:45:37.86 | 46 11.91 | 122 10.37 | 0.03* | 4.2 | 14/14 | 87 | 0.31 | CA | S3 | |
| 4 | 00:46:44.68 | 46 12.01 | 122 11.53 | 0.51 | 3.7 | 17/17 | 54 | 0.15 | BA | S3 | |
| 4 | 05:23:09.05 | 46 12.14 | 122 11.36 | 0.37 | 3.9 | 18/18 | 53 | 0.25 | BA | S3 | |
| 4 | 06:01:13.02 | 46 12.40 | 122 11.44 | 1.79 | 2.9 | 18/18 | 52 | 0.18 | BA | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 07:47:28.71 | 46 12.61 | 122 11.44 | 0.02* | 3.8 | 16/16 | 59 | 0.20 | BA | S3 | |
| 4 | 09:07:49.16 | 46 12.10 | 122 10.46 | 0.03* | 3.7 | 18/18 | 58 | 0.18 | BA | S3 | |
| 4 | 11:58:27.43 | 46 13.00 | 122 11.18 | 1.52 | 4.9 | 20/20 | 50 | 0.30 | BA | S3 | |
| 4 | 13:18:12.75 | 46 11.79 | 122 11.13 | 1.05 | 3.6 | 18/18 | 56 | 0.21 | BA | S3 | |
| 4 | 16:12:14.59 | 46 11.99 | 122 11.47 | 0.11 | 3.5 | 17/17 | 58 | 0.25 | BA | S3 | |
| 4 | 17:34:30.59 | 46 12.49 | 122 11.41 | 0.03* | 3.8 | 16/16 | 55 | 0.28 | BA | S3 | |
| 4 | 19:34:52.15 | 46 11.77 | 122 11.27 | 0.04* | 3.8 | 17/17 | 56 | 0.14 | AA | S3 | |
| 4 | 21:39:22.06 | 46 12.03 | 122 11.35 | 0.97 | 4.0 | 18/18 | 54 | 0.22 | BA | S3 | |
| 5 | 01:53:30.39 | 46 12.40 | 122 11.62 | 0.02* | 4.0 | 19/19 | 54 | 0.25 | BA | S3 | |
| 5 | 04:44:32.20 | 46 12.15 | 122 11.38 | 0.53 | 3.7 | 20/20 | 53 | 0.19 | BA | S3 | |
| 5 | 05:24:33.37 | 46 12.69 | 122 11.81 | 2.05 | 3.5 | 18/18 | 58 | 0.18 | BA | S3 | |
| 5 | 05:43:04.08 | 46 12.57 | 122 10.71 | 1.29 | 4.7 | 19/19 | 61 | 0.17 | BA | S3 | |
| 5 | 06:30:11.69 | 46 11.90 | 122 11.39 | 1.08 | 3.3 | 10/10 | 72 | 0.11 | AA | S3 | |
| 5 | 07:27:30.39 | 46 11.75 | 122 10.91 | 0.04* | 4.0 | 16/16 | 56 | 0.33 | CA | S3 | |
| 5 | 09:12:54.43 | 46 12.65 | 122 10.78 | 1.65 | 4.3 | 20/20 | 61 | 0.25 | BA | S3 | |
| 5 | 09:22:15.44 | 46 12.25 | 122 11.05 | 0.02* | 3.7 | 17/17 | 58 | 0.19 | BA | S3 | |
| 5 | 10:44:57.78 | 46 12.29 | 122 10.61 | 0.74 | 3.7 | 18/18 | 59 | 0.23 | BA | S3 | |
| 5 | 13:19:08.42 | 46 12.63 | 122 11.41 | 4.40 | 4.0 | 15/15 | 64 | 0.16 | BA | S3 | |
| 5 | 16:13:51.93 | 46 12.76 | 122 10.56 | 0.34 | 4.0 | 12/12 | 63 | 0.27 | BA | S3 | |
| 5 | 21:24:45.23 | 46 12.98 | 122 11.38 | 3.17 | 3.7 | 17/17 | 61 | 0.26 | BA | S3 | |
| 5 | 23:47:01.02 | 46 11.88 | 122 11.08 | 0.04* | 3.4 | 7/07 | 84 | 0.64 | DB | S3 | |
| 6 | 00:03:31.50 | 46 12.52 | 122 10.81 | 0.04* | 4.3 | 14/14 | 82 | 0.10 | AA | S3 | |
| 6 | 00:56:04.64 | 46 12.12 | 122 11.44 | 1.03 | 3.7 | 17/17 | 55 | 0.13 | AA | S3 | |
| 6 | 03:28:20.81 | 46 12.60 | 122 12.04 | 1.53* | 3.5 | 12/12 | 62 | 0.10 | AA | S3 | |
| 6 | 05:08:26.51 | 46 12.36 | 122 11.45 | 0.46 | 3.7 | 16/16 | 62 | 0.27 | BA | S3 | |
| 6 | 08:15:01.61 | 46 12.37 | 122 11.86 | 0.03* | 4.0 | 18/18 | 52 | 0.26 | BA | S3 | |
| 6 | 10:27:51.24 | 46 12.20 | 122 11.27 | 0.03* | 3.7 | 14/14 | 60 | 0.17 | BA | S3 | |
| 6 | 11:48:10.96 | 46 12.55 | 122 11.21 | 2.40 | 3.8 | 17/17 | 59 | 0.22 | BA | S3 | |
| 6 | 16:50:18.85 | 46 12.60 | 122 10.55 | 0.53 | 3.7 | 15/15 | 62 | 0.26 | BA | S3 | |
| 6 | 17:04:49.19 | 46 12.62 | 122 10.44 | 1.87 | 4.6 | 18/18 | 62 | 0.21 | BA | S3 | |
| 6 | 17:53:13.23 | 46 13.24 | 122 14.84 | 0.09# | 4.0 | 11/11 | 90 | 0.55 | DA | S3 | |
| 6 | 19:22:28.38 | 46 12.64 | 122 10.66 | 1.53 | 4.4 | 17/17 | 61 | 0.18 | BA | S3 | |
| 6 | 20:09:52.36 | 46 12.19 | 122 11.22 | 1.14 | 3.8 | 16/16 | 60 | 0.17 | BA | S3 | |
| 6 | 23:28:52.24 | 46 12.31 | 122 11.56 | 0.03* | 3.9 | 16/16 | 54 | 0.19 | BA | S3 | |
| 7 | 03:44:42.66 | 46 12.23 | 122 11.25 | 0.57 | 4.2 | 17/17 | 63 | 0.19 | BA | S3 | |
| 7 | 08:52:32.95 | 46 12.32 | 122 11.19 | 0.04* | 4.0 | 17/17 | 55 | 0.25 | BA | S3 | |
| 7 | 11:09:17.90 | 46 12.99 | 122 11.69 | 1.69 | 4.7 | 20/21 | 60 | 0.21 | BA | S3 | |
| 7 | 12:16:52.89 | 46 12.35 | 122 11.51 | 1.61 | 3.4 | 18/18 | 54 | 0.18 | BA | S3 | |
| 7 | 12:33:20.87 | 46 12.26 | 122 10.85 | 0.81 | 4.0 | 19/19 | 39 | 0.19 | BA | S3 | |
| 7 | 16:50:27.60 | 46 12.04 | 122 11.08 | 1.48 | 3.9 | 12/12 | 68 | 0.18 | BA | S3 | |
| 7 | 19:08:47.79 | 46 12.30 | 122 11.27 | 0.52 | 3.8 | 19/19 | 51 | 0.20 | BA | S3 | |
| 8 | 01:19:58.87 | 46 12.01 | 122 11.24 | 0.33 | 4.2 | 19/19 | 55 | 0.25 | BA | S3 | |
| 8 | 03:16:48.52 | 46 11.98 | 122 11.13 | 0.05* | 3.8 | 18/18 | 69 | 0.22 | BA | S3 | |
| 8 | 06:16:32.38 | 46 11.78 | 122 10.02 | 2.07* | 3.4 | 14/14 | 89 | 0.30 | BB | S3 | |
| 8 | 07:46:50.09 | 46 12.43 | 122 11.46 | 1.99 | 4.4 | 17/17 | 63 | 0.19 | BA | S3 | |
| 8 | 07:48:46.20 | 46 12.58 | 122 10.60 | 0.97 | 4.7 | 20/20 | 61 | 0.22 | BA | S3 | |
| 8 | 08:47:55.40 | 46 12.16 | 122 11.45 | 0.12 | 4.0 | 15/15 | 65 | 0.19 | BA | S3 | |
| 8 | 09:03:39.93 | 46 12.85 | 122 10.75 | 1.21 | 4.6 | 20/20 | 62 | 0.20 | BA | S3 | |
| 8 | 10:05:38.07 | 46 12.36 | 122 11.58 | 0.03* | 4.3 | 13/13 | 62 | 0.16 | BB | S3 | |
| 8 | 12:38:04.94 | 46 12.37 | 122 11.48 | 0.32 | 3.9 | 19/19 | 54 | 0.21 | BA | S3 | |
| 8 | 15:31:48.80 | 46 12.43 | 122 11.39 | 0.36 | 3.9 | 14/14 | 70 | 0.31 | CA | S3 | |
| 8 | 19:27:30.11 | 46 12.27 | 122 10.88 | 1.96 | 3.9 | 17/17 | 44 | 0.26 | BA | S3 | |
| 8 | 22:13:05.82 | 46 12.60 | 122 11.71 | 0.95 | 3.9 | 17/17 | 56 | 0.31 | CA | S3 | |
| 9 | 00:55:02.36 | 46 12.03 | 122 11.23 | 1.23 | 4.0 | 19/19 | 53 | 0.24 | BA | S3 | |
| 9 | 04:31:58.01 | 46 12.21 | 122 10.76 | 0.81 | 4.0 | 19/19 | 54 | 0.20 | BA | S3 | |
| 9 | 06:59:08.86 | 46 12.79 | 122 11.58 | 1.65 | 3.6 | 15/15 | 61 | 0.26 | BB | S3 | |
| 9 | 07:01:01.11 | 46 12.95 | 122 10.42 | 0.02* | 4.7 | 23/23 | 63 | 0.20 | BA | S3 | |
| 9 | 08:19:38.89 | 46 12.43 | 122 11.32 | 2.03 | 3.8 | 20/20 | 47 | 0.20 | BA | S3 | |
| 9 | 08:32:30.40 | 46 12.29 | 122 11.63 | 0.42 | 3.8 | 16/16 | 61 | 0.21 | BA | S3 | |
| 9 | 14:10:37.27 | 46 12.40 | 122 10.90 | 1.66 | 4.0 | 17/17 | 50 | 0.21 | BA | S3 | |
| 9 | 16:38:09.02 | 46 12.73 | 122 11.43 | 2.31 | 3.6 | 16/16 | 64 | 0.27 | BA | S3 | |
| 9 | 18:06:26.54 | 46 12.84 | 122 10.47 | 1.31* | 4.6 | 20/20 | 63 | 0.19 | BA | S3 | |
| 9 | 18:26:20.91 | 46 12.35 | 122 10.42 | 0.66 | 3.7 | 16/16 | 88 | 0.27 | BB | S3 | |
| 9 | 19:04:21.08 | 46 12.04 | 122 11.19 | 0.03* | 3.7 | 15/15 | 58 | 0.16 | BA | S3 | |
| 9 | 21:29:35.60 | 46 12.05 | 122 10.85 | 0.02* | 4.0 | 18/18 | 57 | 0.31 | CA | S3 | |
| 10 | 01:14:10.58 | 46 12.24 | 122 11.22 | 1.02 | 4.0 | 17/17 | 40 | 0.12 | AA | S3 | |
| 10 | 05:50:03.94 | 46 12.33 | 122 11.40 | 1.15 | 4.1 | 20/20 | 41 | 0.24 | BA | S3 | |
| 10 | 09:25:55.32 | 46 10.82 | 122 07.15 | 0.02* | 4.1 | 16/16 | 104 | 0.53 | DB | S3 | |
| 10 | 11:15:54.85 | 46 12.39 | 122 10.96 | 0.69 | 4.0 | 20/20 | 46 | 0.22 | BA | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 12:31:47.59 | 46 12.80 | 122 10.69 | 1.65 | 4.5 | 12/12 | 114 | 0.20 | BB | S3 | |
| 10 | 13:03:09.58 | 46 13.07 | 122 11.12 | 0.02* | 1.7 | 5/05 | 112 | 0.07 | AD | S3 | |
| 10 | 13:21:43.07 | 46 13.03 | 122 11.19 | 1.40 | 3.9 | 14/14 | 62 | 0.28 | BA | S3 | |
| 10 | 15:13:00.30 | 46 12.69 | 122 11.59 | 3.11* | 3.6 | 20/20 | 57 | 0.27 | BA | S3 | |
| 10 | 16:17:07.95 | 46 12.16 | 122 11.22 | 0.62 | 3.6 | 19/19 | 41 | 0.21 | BA | S3 | |
| 10 | 17:35:20.56 | 46 12.41 | 122 11.48 | 2.40 | 4.3 | 16/16 | 59 | 0.16 | BA | S3 | |
| 10 | 20:25:52.01 | 46 12.25 | 122 11.23 | 0.60 | 3.8 | 17/17 | 40 | 0.17 | BA | S3 | |
| 11 | 00:45:59.43 | 46 12.58 | 122 11.54 | 2.39 | 3.1 | 18/18 | 57 | 0.24 | BA | S3 | |
| 11 | 01:19:29.43 | 46 12.14 | 122 11.33 | 2.97 | 4.1 | 19/19 | 41 | 0.31 | CA | S3 | |
| 11 | 03:03:12.94 | 46 12.34 | 122 10.86 | 1.85 | 3.5 | 18/18 | 40 | 0.22 | BA | S3 | |
| 11 | 04:00:17.96 | 46 12.67 | 122 10.75 | 2.00 | 4.6 | 19/19 | 61 | 0.19 | BA | S3 | |
| 11 | 05:11:15.14 | 46 12.50 | 122 11.48 | 2.12 | 3.1 | 17/17 | 52 | 0.18 | BA | S3 | |
| 11 | 05:45:52.30 | 46 12.76 | 122 11.28 | 1.07 | 3.9 | 17/17 | 60 | 0.34 | CA | S3 | |
| 11 | 08:09:48.32 | 46 12.21 | 122 11.08 | 1.82 | 4.1 | 19/19 | 40 | 0.23 | BA | S3 | |
| 11 | 08:15:42.04 | 46 11.43 | 122 10.87 | 8.63 | 3.9 | 16/16 | 52 | 0.57 | DA | S3 | |
| 11 | 10:18:47.19 | 46 12.36 | 122 10.78 | 0.07 | 3.9 | 16/16 | 59 | 0.15 | AA | S3 | |
| 11 | 13:29:53.96 | 46 12.63 | 122 10.82 | 1.93 | 4.4 | 18/18 | 61 | 0.16 | BA | S3 | |
| 11 | 15:00:52.18 | 46 11.96 | 122 09.94 | 1.26 | 4.0 | 18/18 | 59 | 0.25 | BA | S3 | |
| 11 | 17:12:00.30 | 46 11.74 | 122 11.23 | 5.20 | 1.7 | 15/15 | 76 | 0.30 | BA | S3 | |
| 11 | 19:39:33.63 | 46 12.04 | 122 10.91 | 0.77 | 3.9 | 18/18 | 57 | 0.26 | BA | S3 | |
| 11 | 20:42:06.31 | 46 12.93 | 122 10.53 | 0.03* | 3.9 | 18/18 | 64 | 0.26 | BA | S3 | |
| 11 | 22:46:24.41 | 46 12.40 | 122 11.48 | 1.13 | 4.3 | 20/20 | 44 | 0.18 | BA | S3 | |
| 12 | 00:05:29.41 | 46 12.35 | 122 11.50 | 0.03* | 3.7 | 19/19 | 41 | 0.18 | BA | S3 | |
| 12 | 02:45:47.74 | 46 11.87 | 122 11.21 | 0.04* | 3.5 | 16/16 | 74 | 0.24 | BA | S3 | |
| 12 | 02:49:24.08 | 46 12.51 | 122 11.51 | 1.85 | 3.5 | 17/17 | 52 | 0.18 | BA | S3 | |
| 12 | 05:24:36.04 | 46 12.11 | 122 11.38 | 0.08 | 3.9 | 19/19 | 41 | 0.24 | BA | S3 | |
| 12 | 08:08:45.63 | 46 11.69 | 122 11.82 | 1.04 | 3.8 | 15/15 | 49 | 0.22 | BA | S3 | |
| 12 | 10:18:05.14 | 46 12.35 | 122 11.19 | 0.03* | 3.6 | 18/18 | 40 | 0.31 | CA | S3 | |
| 12 | 12:11:25.27 | 46 12.43 | 122 11.66 | 0.04* | 4.2 | 18/18 | 45 | 0.16 | BA | S3 | |
| 12 | 15:41:36.40 | 46 12.20 | 122 11.12 | 1.04 | 3.8 | 19/19 | 40 | 0.16 | BA | S3 | |
| 12 | 16:25:23.91 | 46 12.67 | 122 11.03 | 0.03* | 3.3 | 9/09 | 113 | 0.17 | BB | S3 | |
| 12 | 16:26:29.67 | 46 12.55 | 122 10.64 | 1.60 | 4.3 | 20/20 | 61 | 0.18 | BA | S3 | |
| 12 | 16:34:02.58 | 46 12.93 | 122 10.40 | 2.83 | 3.9 | 13/13 | 64 | 0.33 | CA | S3 | |
| 12 | 16:46:50.28 | 46 12.17 | 122 10.89 | 1.85 | 4.3 | 17/17 | 62 | 0.22 | BA | S3 | |
| 12 | 17:24:11.70 | 46 12.38 | 122 11.43 | 0.03* | 4.1 | 17/17 | 55 | 0.33 | CA | S3 | |
| 12 | 18:42:09.93 | 46 12.65 | 122 10.21 | 0.04* | 4.0 | 18/18 | 63 | 0.22 | BA | S3 | |
| 12 | 19:33:08.71 | 46 12.43 | 122 11.17 | 1.29 | 3.7 | 10/10 | 112 | 0.22 | BB | S3 | |
| 12 | 20:33:39.61 | 46 12.70 | 122 10.53 | 0.95 | 4.8 | 19/19 | 62 | 0.14 | AA | S3 | |
| 12 | 21:48:31.32 | 46 12.35 | 122 11.04 | 0.02* | 3.5 | 19/19 | 40 | 0.26 | BA | S3 | |
| 13 | 01:29:13.55 | 46 12.34 | 122 11.41 | 1.59 | 3.1 | 18/18 | 41 | 0.21 | BA | S3 | |
| 13 | 01:30:50.18 | 46 12.99 | 122 10.40 | 0.03* | 4.4 | 18/18 | 65 | 0.18 | BA | S3 | |
| 13 | 02:01:00.47 | 46 12.15 | 122 11.62 | 0.02* | 3.6 | 18/18 | 42 | 0.44 | CA | S3 | |
| 13 | 08:59:55.65 | 46 12.30 | 122 10.93 | 1.41 | 3.9 | 17/17 | 44 | 0.32 | CA | S3 | |
| 13 | 11:12:12.89 | 46 11.01 | 122 11.64 | 5.16 | 4.1 | 18/18 | 51 | 0.24 | BA | S3 | |
| 13 | 18:51:48.41 | 46 11.92 | 122 10.09 | 0.02* | 3.9 | 19/19 | 58 | 0.24 | BA | S3 | |
| 13 | 22:38:27.07 | 46 12.32 | 122 11.32 | 1.67 | 2.3 | 9/09 | 71 | 0.08 | AA | S3 | |
| 14 | 02:18:57.71 | 46 12.77 | 122 10.59 | 1.48 | 4.6 | 18/18 | 63 | 0.22 | BA | S3 | |
| 14 | 02:34:11.80 | 46 12.57 | 122 11.29 | 1.60 | 3.5 | 15/15 | 59 | 0.26 | BB | S3 | |
| 14 | 03:25:56.62 | 46 13.25 | 122 11.07 | 0.04* | 3.5 | 15/15 | 64 | 0.24 | BA | S3 | |
| 14 | 05:00:49.16 | 46 12.14 | 122 11.60 | 0.59 | 3.9 | 17/17 | 55 | 0.28 | BA | S3 | |
| 14 | 07:07:36.10 | 46 12.34 | 122 11.38 | 2.38 | 3.6 | 18/18 | 41 | 0.15 | AA | S3 | |
| 14 | 07:11:10.89 | 46 12.19 | 122 10.88 | 0.43 | 3.4 | 17/17 | 55 | 0.23 | BA | S3 | |
| 14 | 09:43:51.73 | 46 12.18 | 122 11.17 | 1.97 | 4.2 | 16/16 | 55 | 0.31 | CA | S3 | |
| 14 | 10:45:00.79 | 46 12.29 | 122 11.02 | 2.89 | 3.6 | 16/16 | 55 | 0.20 | BA | S3 | |
| 14 | 14:08:16.38 | 46 12.60 | 122 10.26 | 1.53 | 4.1 | 18/18 | 63 | 0.21 | BA | S3 | |
| 14 | 14:11:22.54 | 46 12.43 | 122 11.23 | 2.52 | 3.4 | 16/16 | 49 | 0.17 | BA | S3 | |
| 14 | 14:41:59.63 | 46 12.25 | 122 11.20 | 0.87 | 3.7 | 17/17 | 40 | 0.18 | BA | S3 | |
| 14 | 16:44:07.76 | 46 13.43 | 122 10.51 | 0.04* | 3.2 | 18/18 | 63 | 0.30 | CA | S3 | |
| 14 | 18:48:01.84 | 46 11.77 | 122 10.67 | 0.03* | 4.1 | 18/18 | 55 | 0.38 | CA | S3 | |
| 14 | 20:17:17.19 | 46 12.18 | 122 11.41 | 0.53 | 3.5 | 14/14 | 65 | 0.22 | BA | S3 | |
| 14 | 23:45:58.43 | 46 12.17 | 122 10.88 | 0.54 | 4.0 | 15/15 | 51 | 0.23 | BA | S3 | |
| 15 | 00:50:54.79 | 46 12.26 | 122 11.46 | 1.79 | 3.1 | 16/16 | 63 | 0.18 | BA | S3 | |
| 15 | 06:48:24.69 | 46 11.96 | 122 10.99 | 1.44 | 4.1 | 15/15 | 56 | 0.22 | BA | S3 | |
| 15 | 09:13:00.11 | 46 12.57 | 122 10.25 | 1.32 | 3.8 | 15/15 | 63 | 0.21 | BA | S3 | |
| 15 | 09:20:23.00 | 46 12.14 | 122 11.34 | 1.46 | 3.7 | 16/16 | 41 | 0.21 | BA | S3 | |
| 15 | 10:35:58.97 | 46 12.28 | 122 11.78 | 1.97 | 3.6 | 8/08 | 70 | 0.15 | AA | S3 | |
| 15 | 11:41:34.65 | 46 12.06 | 122 11.47 | 1.75 | 3.7 | 15/15 | 42 | 0.14 | AA | S3 | |
| 15 | 11:50:59.89 | 46 12.55 | 122 10.32 | 0.02* | 3.8 | 12/12 | 62 | 0.17 | BB | S3 | |
| 15 | 12:01:29.72 | 46 12.14 | 122 11.07 | 1.78 | 3.4 | 14/14 | 55 | 0.13 | AA | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 13:20:38.38 | 46 12.49 | 122 11.20 | 1.23 | 3.9 | 15/15 | 56 | 0.26 | BA | S3 | |
| 15 | 16:30:40.92 | 46 12.34 | 122 11.09 | 1.96 | 3.6 | 15/15 | 41 | 0.23 | BA | S3 | |
| 15 | 17:29:16.79 | 46 12.41 | 122 10.03 | 1.26 | 4.0 | 14/14 | 62 | 0.30 | BA | S3 | |
| 15 | 18:32:30.15 | 46 12.48 | 122 10.25 | 1.53 | 3.6 | 15/15 | 62 | 0.23 | BA | S3 | |
| 15 | 20:18:32.86 | 46 12.49 | 122 11.57 | 0.02* | 3.5 | 12/12 | 64 | 0.22 | BA | S3 | |
| 16 | 00:10:56.21 | 46 12.12 | 122 10.70 | 0.66 | 3.5 | 17/17 | 58 | 0.24 | BA | S3 | |
| 16 | 03:31:04.60 | 46 11.94 | 122 10.94 | 0.99 | 4.3 | 13/13 | 84 | 0.29 | BA | S3 | |
| 16 | 05:21:46.81 | 46 12.37 | 122 11.36 | 2.01 | 3.3 | 16/16 | 42 | 0.23 | BA | S3 | |
| 16 | 06:44:44.33 | 46 12.76 | 122 10.74 | 0.03* | 3.5 | 14/14 | 84 | 0.26 | BA | S3 | |
| 16 | 07:30:25.89 | 46 12.94 | 122 11.67 | 1.18 | 3.9 | 12/12 | 83 | 0.19 | BA | S3 | |
| 16 | 11:15:13.77 | 46 12.19 | 122 10.40 | 0.59 | 3.9 | 16/16 | 59 | 0.30 | BA | S3 | |
| 16 | 12:34:54.12 | 46 12.76 | 122 11.80 | 1.30$ | 4.7 | 18/18 | 58 | 0.29 | BA | S3 | |
| 16 | 12:39:43.49 | 46 10.06 | 122 14.65 | 0.03* | 3.8 | 8/08 | 142 | 0.29 | BC | S3 | |
| 16 | 12:42:17.67 | 46 12.21 | 122 10.80 | 2.12* | 3.9 | 15/15 | 52 | 0.22 | BA | S3 | |
| 16 | 12:47:29.92 | 46 11.83 | 122 12.04 | 1.95 | 3.6 | 13/13 | 81 | 0.37 | CA | S3 | |
| 16 | 13:27:13.53 | 46 12.01 | 122 11.03 | 1.44 | 4.1 | 16/16 | 56 | 0.18 | BA | S3 | |
| 16 | 14:22:00.22 | 46 12.42 | 122 10.71 | 1.44 | 4.3 | 17/17 | 60 | 0.28 | BA | S3 | |
| 16 | 16:17:44.46 | 46 11.85 | 122 11.76 | 0.79 | 4.1 | 14/14 | 68 | 0.23 | BA | S3 | |
| 16 | 20:37:10.07 | 46 12.29 | 122 10.16 | 1.62 | 3.8 | 15/15 | 61 | 0.41 | CA | S3 | |
| 16 | 20:49:45.93 | 46 12.15 | 122 10.83 | 2.84 | 3.3 | 16/16 | 57 | 0.26 | BA | S3 | |
| 16 | 23:59:46.84 | 46 12.20 | 122 11.14 | 2.75 | 3.7 | 10/10 | 87 | 0.10 | AA | S3 | |
| 17 | 00:02:16.95 | 46 12.49 | 122 10.43 | 1.49 | 3.6 | 15/15 | 61 | 0.23 | BA | S3 | |
| 17 | 01:20:18.17 | 46 12.64 | 122 10.88 | 0.24 | 3.5 | 12/12 | 63 | 0.15 | BA | S3 | |
| 17 | 01:42:41.57 | 46 12.01 | 122 11.56 | 0.03* | 3.5 | 15/15 | 54 | 0.24 | BA | S3 | |
| 17 | 02:36:15.56 | 46 12.35 | 122 11.37 | 2.38 | 3.7 | 12/12 | 67 | 0.11 | AA | S3 | |
| 17 | 05:03:31.76 | 46 12.29 | 122 11.22 | 0.05* | 3.5 | 15/15 | 55 | 0.24 | BA | S3 | |
| 17 | 05:32:39.95 | 46 12.66 | 122 11.70 | 0.87 | 3.7 | 11/11 | 70 | 0.20 | BA | S3 | |
| 17 | 08:05:52.55 | 46 12.37 | 122 11.47 | 1.78 | 3.9 | 15/15 | 58 | 0.21 | BA | S3 | |
| 17 | 08:31:53.01 | 46 11.80 | 122 12.32 | 3.45* | 4.2 | 13/13 | 65 | 0.25 | BA | S3 | |
| 17 | 10:00:58.19 | 46 09.63 | 122 09.22 | 3.57 | 3.4 | 12/12 | 56 | 0.19 | BA | S3 | |
| 17 | 11:57:29.60 | 46 11.92 | 122 11.22 | 2.51 | 3.7 | 15/15 | 62 | 0.17 | BA | S3 | |
| 17 | 15:55:59.69 | 46 12.15 | 122 10.84 | 2.01 | 3.9 | 16/16 | 65 | 0.20 | BA | S3 | |
| 17 | 15:59:12.17 | 46 12.61 | 122 10.40 | 2.29 | 3.5 | 15/15 | 62 | 0.18 | BA | S3 | |
| 17 | 16:22:37.09 | 46 19.23 | 122 20.96 | 0.04* | 2.1 | 8/09 | 127 | 0.49 | CC | S3 | |
| 17 | 16:52:35.17 | 46 14.05 | 122 14.11 | 0.04* | 2.9 | 7/07 | 98 | 0.62 | DB | S3 | |
| 17 | 19:27:53.52 | 46 11.82 | 122 10.90 | 2.99 | 3.9 | 16/16 | 55 | 0.22 | BA | S3 | |
| 17 | 19:29:28.73 | 46 12.13 | 122 11.52 | 2.51 | 3.9 | 17/17 | 42 | 0.21 | BA | S3 | |
| 17 | 21:36:04.37 | 46 12.35 | 122 11.77 | 1.18 | 3.6 | 15/15 | 56 | 0.23 | BA | S3 | |
| 17 | 21:42:07.48 | 46 12.55 | 122 10.63 | 2.97 | 4.3 | 17/17 | 61 | 0.27 | BA | S3 | |
| 17 | 22:43:23.57 | 46 11.64 | 122 12.12 | 1.32 | 3.5 | 17/17 | 55 | 0.33 | CA | S3 | |
| 17 | 23:07:46.95 | 46 12.42 | 122 11.55 | 3.09 | 3.5 | 16/16 | 55 | 0.24 | BA | S3 | |
| 17 | 23:35:04.33 | 46 12.34 | 122 12.23 | 2.12 | 3.6 | 15/15 | 55 | 0.34 | CA | S3 | |
| 18 | 01:50:52.09 | 46 11.88 | 122 11.02 | 2.75 | 4.1 | 18/18 | 55 | 0.22 | BA | S3 | |
| 18 | 02:51:29.69 | 46 12.67 | 122 10.64 | 3.58 | 3.8 | 17/17 | 69 | 0.23 | BA | S3 | |
| 18 | 06:20:06.94 | 46 12.24 | 122 11.25 | 1.16 | 3.0 | 13/13 | 69 | 0.17 | BA | S3 | |
| 18 | 07:22:53.09 | 46 09.52 | 122 10.31 | 0.69 | 3.3 | 6/06 | 270 | 0.11 | CD | S3 | |
| 18 | 08:32:16.33 | 46 11.22 | 122 11.10 | 2.19* | 3.5 | 10/10 | 88 | 0.23 | BA | S3 | |
| 18 | 08:44:52.30 | 46 11.19 | 122 11.13 | 0.02* | 3.5 | 9/09 | 92 | 0.26 | BB | S3 | |
| 18 | 11:31:18.96 | 46 10.68 | 122 11.30 | 2.81$ | 3.8 | 10/10 | 96 | 0.20 | BB | S3 | |
| 18 | 13:29:43.64 | 46 12.41 | 122 10.63 | 1.51 | 2.7 | 5/05 | 131 | 0.12 | BD | S3 | |
| 18 | 14:03:46.98 | 46 12.35 | 122 11.09 | 0.44 | 1.7 | 13/13 | 91 | 0.27 | BB | S3 | |
| 18 | 14:36:10.70 | 46 12.30 | 122 10.94 | 2.84 | 4.1 | 18/18 | 39 | 0.24 | BA | S3 | |
| 18 | 14:44:50.19 | 46 12.15 | 122 11.80 | 1.69 | 3.8 | 8/08 | 74 | 0.10 | AA | S3 | |
| 18 | 15:17:47.49 | 46 13.98 | 122 12.80 | 1.84 | 1.0 | 7/07 | 168 | 0.21 | BC | S3 | |
| 18 | 15:32:11.43 | 46 12.44 | 122 11.28 | 2.82 | 5.7 | 17/17 | 62 | 0.22 | BA | S3 | F |
| 18 | 16:16:13.86 | 46 12.18 | 122 12.43 | 7.72 | 1.3 | 4/08 | 169 | 0.06 | AD | S3 | |
| 18 | 16:18:12.45 | 46 08.73 | 122 14.97 | 0.04* | 1.8 | 4/08 | 164 | 0.47 | CD | S3 | |
| 18 | 16:20:58.56 | 46 12.59 | 122 11.36 | 5.97* | 2.1 | 4/08 | 177 | 0.04 | AD | S3 | |
| 18 | 16:26:49.66 | 46 12.80 | 122 12.32 | 4.88 | 1.5 | 4/07 | 174 | 0.09 | AD | S3 | |
| 18 | 16:32:18.13 | 46 12.10 | 122 12.42 | 7.59 | 1.9 | 4/08 | 169 | 0.05 | AD | S3 | |
| 18 | 16:33:52.93 | 46 12.89 | 122 11.21 | 3.55 | 1.5 | 4/07 | 180 | 0.06 | AD | S3 | |
| 18 | 16:34:54.55 | 46 19.26 | 122 08.23 | 3.65 | 1.4 | 4/08 | 228 | 0.46 | CD | S3 | |
| 18 | 16:35:22.29 | 46 12.35 | 122 10.95 | 6.97 | 1.5 | 4/08 | 178 | 0.05 | AD | S3 | |
| 18 | 16:36:43.61 | 46 12.28 | 122 11.10 | 6.58 | 1.7 | 4/08 | 176 | 0.05 | AD | S3 | |
| 18 | 16:38:21.35 | 46 12.30 | 122 11.14 | 6.41$ | 1.9 | 4/08 | 176 | 0.06 | AD | S3 | |
| 18 | 16:41:04.98 | 46 11.69 | 122 13.34 | 9.82 | 1.9 | 4/08 | 162 | 0.12 | BD | S3 | |
| 18 | 16:45:17.13 | 46 09.45 | 122 12.86 | 9.93# | 2.2 | 4/06 | 145 | 0.09 | AD | S3 | |
| 18 | 16:45:38.95 | 46 13.01 | 122 11.26 | 5.85 | 1.9 | 4/07 | 181 | 0.05 | AD | S3 | |
| 18 | 16:47:59.15 | 46 11.98 | 122 12.47 | 8.18 | 1.1 | 4/08 | 168 | 0.05 | AD | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 16:52:27.41 | 46 12.47 | 122 10.93 | 5.07$ | 2.2 | 4/08 | 178 | 0.04 | CD | S3 | |
| 18 | 16:53:40.00 | 46 11.67 | 122 12.90 | 10.58 | 1.3 | 4/08 | 163 | 0.12 | BD | S3 | |
| 18 | 17:04:51.47 | 46 12.29 | 122 12.27 | 1.30 | 1.8 | 11/12 | 61 | 0.27 | BC | S3 | L |
| 18 | 17:07:47.23 | 46 12.27 | 122 11.42 | 2.20* | 1.9 | 16/19 | 62 | 0.10 | AC | S3 | |
| 18 | 17:08:50.65 | 46 12.35 | 122 11.21 | 2.93 | 1.6 | 16/20 | 63 | 0.13 | AC | S3 | |
| 18 | 17:10:25.78 | 46 12.21 | 122 11.17 | 2.20* | 1.5 | 15/18 | 63 | 0.15 | BC | S3 | |
| 18 | 17:26:27.93 | 46 12.30 | 122 11.40 | 2.33 | (3.5) | 16/20 | 62 | 0.13 | AC | S3 | |
| 18 | 17:56:49.52 | 46 12.45 | 122 11.39 | 2.73* | 1.3 | 11/14 | 84 | 0.16 | BC | S3 | |
| 18 | 17:57:31.92 | 46 12.25 | 122 12.21 | 6.60 | 1.2 | 9/13 | 79 | 0.10 | AB | S3 | |
| 18 | 17:58:35.99 | 46 12.52 | 122 11.61 | 2.71 | 1.8 | 15/19 | 62 | 0.16 | BC | S3 | |
| 18 | 18:10:19.55 | 46 12.41 | 122 11.12 | 2.15 | 3.4 | 16/19 | 63 | 0.15 | AC | S3 | |
| 18 | 18:19:23.07 | 46 12.21 | 122 11.41 | 1.35$ | 1.8 | 14/18 | 83 | 0.29 | CC | S3 | |
| 18 | 18:20:34.42 | 46 12.90 | 122 11.16 | 1.62$ | 1.9 | 15/18 | 86 | 0.21 | CC | S3 | |
| 18 | 18:25:55.96 | 46 12.27 | 122 12.37 | 6.99$ | 1.4 | 11/15 | 79 | 0.19 | BB | S3 | |
| 18 | 18:28:34.90 | 46 12.81 | 122 12.77 | 6.79 | 1.3 | 11/13 | 126 | 0.09 | AB | S3 | |
| 18 | 18:52:22.79 | 46 12.18 | 122 12.49 | 11.37 | (3.8) | 17/19 | 61 | 0.19 | BB | S3 | |
| 18 | 18:54:04.82 | 46 12.20 | 122 11.27 | 2.75 | 2.2 | 16/19 | 63 | 0.12 | AC | S3 | |
| 18 | 19:01:51.49 | 46 12.28 | 122 11.41 | 2.13 | 2.4 | 14/17 | 83 | 0.15 | AC | S3 | |
| 18 | 19:06:40.20 | 46 12.26 | 122 11.35 | 1.91 | 1.9 | 14/17 | 83 | 0.16 | BC | S3 | |
| 18 | 19:11:27.54 | 46 12.22 | 122 09.68 | 0.03* | 3.3 | 7/07 | 231 | 0.20 | BD | S3 | L |
| 18 | 19:16:03.97 | 46 12.66 | 122 11.26 | 3.14$ | 1.6 | 11/14 | 85 | 0.12 | AC | S3 | |
| 18 | 19:17:18.72 | 46 11.65 | 122 12.57 | 0.02* | 1.6 | 10/11 | 130 | 0.28 | BC | S3 | |
| 18 | 19:21:15.58 | 46 12.48 | 122 11.18 | 3.29 | 2.0 | 13/15 | 85 | 0.10 | AC | S3 | |
| 18 | 19:22:23.57 | 46 12.19 | 122 11.28 | 5.28 | 1.6 | 13/17 | 84 | 0.17 | BC | S3 | |
| 18 | 19:23:25.82 | 46 09.45 | 122 13.99 | 19.53 | 1.4 | 11/13 | 65 | 0.46 | CA | S3 | |
| 18 | 19:25:48.88 | 46 14.91 | 122 12.81 | 0.02* | 1.6 | 9/10 | 103 | 0.16 | BC | S3 | |
| 18 | 19:27:11.59 | 46 11.42 | 122 10.03 | 11.18 | 1.5 | 14/18 | 87 | 0.21 | BA | S3 | |
| 18 | 19:27:57.01 | 46 12.22 | 122 11.55 | 1.83$ | 1.1 | 15/18 | 82 | 0.23 | CC | S3 | |
| 18 | 19:29:04.79 | 46 11.96 | 122 11.38 | 5.88$ | 1.0 | 11/13 | 137 | 0.26 | CC | S3 | |
| 18 | 19:31:09.44 | 46 11.92 | 122 11.42 | 6.15 | 1.7 | 8/12 | 114 | 0.07 | AB | S3 | |
| 18 | 19:39:12.82 | 46 12.30 | 122 11.55 | 2.62$ | 1.2 | 14/16 | 83 | 0.17 | BC | S3 | |
| 18 | 19:39:35.37 | 46 12.22 | 122 11.68 | 2.88 | 1.1 | 12/16 | 82 | 0.17 | BC | S3 | |
| 18 | 19:40:01.43 | 46 11.25 | 122 12.09 | 11.31 | 1.6 | 10/13 | 77 | 0.29 | BA | S3 | |
| 18 | 19:45:40.50 | 46 12.98 | 122 11.25 | 2.22* | 1.3 | 12/14 | 86 | 0.12 | AC | S3 | |
| 18 | 19:46:26.47 | 46 12.11 | 122 11.33 | 3.01 | 1.8 | 16/20 | 83 | 0.18 | BC | S3 | |
| 18 | 19:56:21.41 | 46 12.49 | 122 10.97 | 2.72$ | 3.3 | 14/17 | 74 | 0.36 | CC | S3 | |
| 18 | 20:05:08.60 | 46 12.21 | 122 11.34 | 3.29 | (3.7) | 18/22 | 53 | 0.25 | BC | S3 | |
| 18 | 20:10:10.27 | 46 12.29 | 122 10.97 | 2.19# | (3.8) | 16/18 | 63 | 0.16 | BC | S3 | |
| 18 | 20:11:33.67 | 46 12.37 | 122 11.33 | 3.58$ | (3.6) | 14/16 | 84 | 0.16 | CC | S3 | |
| 18 | 20:22:38.55 | 46 11.82 | 122 11.11 | 2.07 | 1.3 | 11/15 | 104 | 0.23 | BC | S3 | |
| 18 | 20:24:05.31 | 46 09.86 | 122 09.77 | 0.42$ | (4.1) | 14/15 | 80 | 0.25 | BB | S3 | |
| 18 | 20:29:04.91 | 46 12.49 | 122 11.23 | 5.54* | 1.6 | 13/16 | 85 | 0.18 | BC | S3 | |
| 18 | 20:33:24.50 | 46 12.46 | 122 11.40 | 2.37 | 1.5 | 11/15 | 84 | 0.15 | BC | S3 | |
| 18 | 20:34:04.30 | 46 12.14 | 122 11.51 | 2.16 | 1.7 | 16/20 | 82 | 0.21 | BC | S3 | |
| 18 | 20:35:42.06 | 46 12.52 | 122 11.05 | 1.82 | 1.6 | 14/17 | 86 | 0.13 | AC | S3 | |
| 18 | 20:37:25.71 | 46 12.39 | 122 11.37 | 3.51$ | 2.9 | 14/17 | 62 | 0.16 | CC | S3 | |
| 18 | 20:38:18.63 | 46 12.52 | 122 11.13 | 1.27* | (3.9) | 15/18 | 63 | 0.17 | BC | S3 | |
| 18 | 20:39:46.58 | 46 12.44 | 122 11.47 | 2.93 | 2.7 | 15/20 | 83 | 0.25 | BC | S3 | |
| 18 | 20:44:00.50 | 46 11.94 | 122 11.60 | 1.99 | (3.7) | 15/17 | 81 | 0.20 | BC | S3 | |
| 18 | 20:47:34.89 | 46 11.87 | 122 11.18 | 2.67$ | (3.5) | 15/18 | 83 | 0.19 | BC | S3 | |
| 18 | 20:48:56.55 | 46 11.09 | 122 10.08 | 16.20 | 1.6 | 14/16 | 86 | 0.36 | CA | S3 | |
| 18 | 20:50:08.42 | 46 12.06 | 122 11.39 | 2.77 | 1.5 | 16/20 | 83 | 0.24 | BC | S3 | |
| 18 | 21:02:33.13 | 46 12.24 | 122 11.42 | 8.78 | (3.7) | 13/17 | 62 | 0.51 | DB | S3 | |
| 18 | 21:07:11.55 | 46 12.18 | 122 12.67 | 6.43 | (4.3) | 15/15 | 66 | 0.13 | AB | S3 | |
| 18 | 21:10:06.99 | 46 12.14 | 122 11.65 | 3.13 | (4.0) | 15/19 | 62 | 0.25 | BC | S3 | |
| 18 | 21:14:22.35 | 46 12.40 | 122 11.13 | 3.30$ | (3.6) | 11/13 | 85 | 0.19 | BC | S3 | |
| 18 | 21:23:32.29 | 46 12.06 | 122 11.44 | 2.82 | (3.7) | 13/16 | 82 | 0.17 | BC | S3 | |
| 18 | 21:24:29.40 | 46 12.37 | 122 11.14 | 2.43 | 1.9 | 13/16 | 85 | 0.19 | BC | S3 | |
| 18 | 21:25:45.16 | 46 12.32 | 122 11.05 | 3.20 | (3.6) | 16/19 | 63 | 0.18 | BC | S3 | |
| 18 | 21:28:36.02 | 46 12.01 | 122 11.41 | 3.71$ | (3.7) | 16/19 | 63 | 0.16 | CC | S3 | |
| 18 | 21:46:03.83 | 46 11.92 | 122 12.19 | 2.81$ | (3.6) | 15/18 | 79 | 0.25 | BC | S3 | |
| 18 | 21:52:14.15 | 46 12.30 | 122 11.25 | 3.31* | (4.1) | 13/16 | 87 | 0.15 | AC | S3 | |
| 18 | 21:54:40.96 | 46 12.15 | 122 10.58 | 2.26 | (4.0) | 16/17 | 64 | 0.13 | BC | S3 | |
| 18 | 21:56:49.41 | 46 08.28 | 122 12.16 | 0.02* | (3.5) | 11/13 | 143 | 0.58 | DC | S3 | |
| 18 | 21:57:48.77 | 46 11.91 | 122 11.09 | 0.03* | (3.7) | 15/16 | 84 | 0.21 | BC | S3 | |
| 18 | 21:59:00.80 | 46 12.19 | 122 11.37 | 2.50 | (4.0) | 14/17 | 83 | 0.15 | AC | S3 | |
| 18 | 22:00:43.10 | 46 12.27 | 122 10.88 | 1.52 | (3.6) | 13/14 | 86 | 0.17 | BC | S3 | |
| 18 | 22:01:59.46 | 46 12.17 | 122 10.71 | 1.17* | 1.9 | 13/16 | 86 | 0.20 | BC | S3 | |
| 18 | 22:05:06.44 | 46 11.80 | 122 13.15 | 5.09$ | 2.5 | 7/07 | 125 | 0.25 | CC | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 22:05:57.43 | 46 12.47 | 122 11.00 | 1.97# | (3.8) | 9/10 | 91 | 0.13 | AC | S3 | |
| 18 | 22:11:58.25 | 46 12.34 | 122 10.36 | 0.95$ | (3.8) | 13/14 | 89 | 0.39 | CC | S3 | |
| 18 | 22:13:06.57 | 46 11.95 | 122 10.43 | 0.31 | (3.9) | 15/19 | 65 | 0.26 | BC | S3 | |
| 18 | 22:14:20.56 | 46 08.46 | 122 12.74 | 12.34 | 1.7 | 13/14 | 134 | 0.43 | CB | S3 | |
| 18 | 22:16:51.36 | 46 12.58 | 122 10.94 | 1.80* | (3.5) | 11/13 | 86 | 0.12 | AC | S3 | |
| 18 | 22:18:08.66 | 46 10.65 | 122 08.96 | 2.39$ | (4.1) | 9/11 | 90 | 0.39 | CB | S3 | |
| 18 | 22:18:57.61 | 46 12.31 | 122 11.52 | 1.66# | 1.6 | 13/14 | 83 | 0.23 | BC | S3 | |
| 18 | 22:23:50.11 | 46 12.29 | 122 11.01 | 2.98 | 1.1 | 14/18 | 85 | 0.13 | AC | S3 | |
| 18 | 22:24:38.84 | 46 11.87 | 122 11.64 | 2.94$ | 1.6 | 15/18 | 81 | 0.22 | BC | S3 | |
| 18 | 22:25:36.13 | 46 12.26 | 122 11.99 | 3.12 | 1.1 | 13/16 | 80 | 0.19 | BC | S3 | |
| 18 | 22:27:12.62 | 46 11.83 | 122 11.71 | 2.44* | (4.1) | 16/18 | 80 | 0.19 | BC | S3 | |
| 18 | 22:28:37.13 | 46 12.20 | 122 12.54 | 5.84$ | (3.7) | 11/14 | 78 | 0.18 | BB | S3 | |
| 18 | 22:35:50.08 | 46 12.79 | 122 12.02 | 7.64 | (4.2) | 16/17 | 61 | 0.25 | BB | S3 | |
| 18 | 22:37:07.82 | 46 12.38 | 122 11.58 | 1.13$ | (4.0) | 14/15 | 83 | 0.31 | CC | S3 | |
| 18 | 22:38:34.21 | 46 11.74 | 122 11.32 | 1.97 | (4.1) | 14/15 | 82 | 0.11 | AC | S3 | |
| 18 | 22:48:09.16 | 46 12.40 | 122 11.47 | 3.41$ | (4.2) | 13/13 | 88 | 0.47 | CC | S3 | |
| 18 | 22:49:04.27 | 46 11.86 | 122 10.99 | 1.57$ | (4.2) | 16/17 | 64 | 0.30 | CC | S3 | |
| 18 | 22:50:54.96 | 46 10.90 | 122 12.76 | 5.54 | (4.3) | 14/15 | 72 | 0.19 | BB | S3 | |
| 18 | 22:54:01.48 | 46 13.14 | 122 11.82 | 1.25$ | (4.5) | 7/07 | 122 | 0.64 | DC | S3 | |
| 18 | 22:55:11.80 | 46 12.88 | 122 11.92 | 2.94 | 2.2 | 16/17 | 61 | 0.20 | BC | S3 | |
| 18 | 22:56:29.61 | 46 12.19 | 122 11.40 | 1.57$ | 3.3 | 17/17 | 70 | 0.42 | CC | S3 | |
| 18 | 22:57:27.56 | 46 11.75 | 122 11.69 | 1.85 | 1.6 | 13/15 | 80 | 0.17 | BC | S3 | |
| 18 | 22:59:04.34 | 46 12.05 | 122 11.45 | 3.16 | (4.2) | 14/16 | 82 | 0.11 | AC | S3 | |
| 18 | 23:00:49.92 | 46 12.46 | 122 11.58 | 6.71* | (4.0) | 14/15 | 62 | 0.29 | BB | S3 | |
| 18 | 23:01:20.23 | 46 13.11 | 122 10.40 | 2.88 | 1.6 | 13/15 | 90 | 0.25 | BC | S3 | |
| 18 | 23:03:17.58 | 46 12.27 | 122 10.63 | 1.65$ | (4.0) | 13/13 | 87 | 0.15 | BC | S3 | |
| 18 | 23:06:19.93 | 46 12.26 | 122 11.24 | 2.92 | (3.9) | 14/16 | 124 | 0.28 | BC | S3 | |
| 18 | 23:07:21.53 | 46 07.59 | 122 09.02 | 0.02* | (4.3) | 9/10 | 197 | 0.28 | BD | S3 | |
| 18 | 23:09:41.36 | 46 08.96 | 122 10.24 | 27.02 | (4.1) | 8/08 | 153 | 0.30 | DC | S3 | |
| 18 | 23:12:58.22 | 46 12.65 | 122 12.00 | 0.03* | 1.6 | 15/15 | 61 | 0.21 | BC | S3 | |
| 18 | 23:14:19.49 | 46 12.64 | 122 10.92 | 3.28$ | (4.1) | 15/16 | 63 | 0.13 | BC | S3 | |
| 18 | 23:16:39.92 | 46 12.82 | 122 12.47 | 13.19* | (3.6) | 17/21 | 49 | 0.20 | BA | S3 | |
| 18 | 23:21:16.17 | 46 12.29 | 122 11.29 | 1.76 | 1.6 | 13/16 | 84 | 0.20 | BC | S3 | |
| 18 | 23:23:24.02 | 46 12.30 | 122 12.49 | 11.87* | (3.8) | 16/18 | 52 | 0.36 | CA | S3 | |
| 18 | 23:26:06.27 | 46 12.15 | 122 11.06 | 1.74 | 1.2 | 11/13 | 85 | 0.15 | BC | S3 | |
| 18 | 23:26:57.89 | 46 12.99 | 122 12.13 | 7.52 | (3.6) | 13/16 | 82 | 0.17 | BB | S3 | |
| 18 | 23:39:16.42 | 46 11.91 | 122 11.07 | 1.32# | 1.4 | 12/13 | 84 | 0.14 | AC | S3 | |
| 18 | 23:40:57.33 | 46 12.20 | 122 11.39 | 1.97$ | 1.3 | 14/15 | 83 | 0.35 | CC | S3 | |
| 18 | 23:46:02.03 | 46 12.45 | 122 11.10 | 3.02 | 1.2 | 11/15 | 78 | 0.13 | AC | S3 | |
| 18 | 23:47:08.06 | 46 12.90 | 122 11.77 | 13.75 | 1.7 | 15/17 | 72 | 0.30 | CA | S3 | |
| 18 | 23:47:49.35 | 46 12.08 | 122 11.25 | 3.23 | 1.6 | 13/16 | 83 | 0.16 | BC | S3 | |
| 18 | 23:50:46.96 | 46 12.27 | 122 12.56 | 6.57 | 1.3 | 11/13 | 78 | 0.21 | BB | S3 | |
| 18 | 23:51:47.54 | 46 12.08 | 122 12.29 | 3.73* | 1.8 | 15/18 | 79 | 0.18 | BC | S3 | |
| 18 | 23:53:33.07 | 46 12.14 | 122 10.65 | 2.21* | 1.7 | 11/13 | 162 | 0.24 | BC | S3 | |
| 18 | 23:54:59.34 | 46 12.58 | 122 12.39 | 12.62 | 3.2 | 16/19 | 60 | 0.21 | BA | S3 | |
| 18 | 23:55:40.60 | 46 12.01 | 122 11.24 | 3.52* | 2.5 | 13/15 | 104 | 0.15 | BC | S3 | |
| 18 | 23:57:01.99 | 46 11.85 | 122 12.57 | 12.89 | 2.1 | 13/16 | 83 | 0.22 | BA | S3 | |
| 18 | 23:59:28.49 | 46 12.53 | 122 12.32 | 1.44$ | 1.2 | 14/14 | 50 | 0.37 | CC | S3 | |
| 19 | 00:00:03.71 | 46 12.57 | 122 11.19 | 2.04 | 1.1 | 15/19 | 62 | 0.19 | BC | S3 | |
| 19 | 00:00:40.43 | 46 11.84 | 122 11.21 | 1.13* | 1.4 | 11/13 | 83 | 0.12 | AC | S3 | |
| 19 | 00:01:38.75 | 46 12.07 | 122 11.34 | 3.05 | 1.5 | 14/17 | 83 | 0.22 | BC | S3 | |
| 19 | 00:02:15.43 | 46 12.31 | 122 12.11 | 3.08 | 1.1 | 12/14 | 61 | 0.15 | BC | S3 | |
| 19 | 00:03:30.15 | 46 12.51 | 122 10.73 | 7.14 | 2.9 | 15/17 | 63 | 0.28 | BB | S3 | |
| 19 | 00:04:00.58 | 46 12.25 | 122 11.13 | 1.74$ | 2.0 | 15/19 | 63 | 0.18 | BC | S3 | |
| 19 | 00:04:55.29 | 46 12.22 | 122 11.50 | 2.41# | 1.8 | 15/19 | 62 | 0.16 | BC | S3 | |
| 19 | 00:07:33.26 | 46 12.24 | 122 11.17 | 2.25 | 1.7 | 14/16 | 84 | 0.13 | AC | S3 | |
| 19 | 00:09:56.43 | 46 12.46 | 122 12.33 | 2.69 | 2.2 | 17/20 | 61 | 0.20 | BC | S3 | |
| 19 | 00:10:56.04 | 46 12.17 | 122 11.08 | 2.48 | 2.5 | 15/17 | 63 | 0.17 | BC | S3 | |
| 19 | 00:15:29.22 | 46 11.76 | 122 11.69 | 3.08 | 2.8 | 15/17 | 63 | 0.20 | BC | S3 | |
| 19 | 00:17:45.17 | 46 12.10 | 122 10.95 | 3.46* | 3.0 | 16/18 | 63 | 0.16 | BC | S3 | |
| 19 | 00:18:02.79 | 46 12.23 | 122 11.26 | 1.62 | (4.0) | 14/16 | 84 | 0.22 | BC | S3 | |
| 19 | 00:19:14.73 | 46 11.86 | 122 11.43 | 3.39 | 1.5 | 15/18 | 63 | 0.26 | BC | S3 | |
| 19 | 00:19:55.00 | 46 12.27 | 122 11.05 | 1.92 | 2.4 | 14/17 | 85 | 0.15 | BC | S3 | |
| 19 | 00:22:03.19 | 46 13.46 | 122 11.51 | 17.45 | 2.1 | 14/16 | 86 | 0.08 | AA | S3 | |
| 19 | 00:22:24.45 | 46 12.25 | 122 12.19 | 7.68* | 1.4 | 8/11 | 80 | 0.06 | AB | S3 | |
| 19 | 00:22:47.92 | 46 12.43 | 122 10.59 | 6.72$ | 1.3 | 9/12 | 88 | 0.12 | AB | S3 | |
| 19 | 00:23:36.08 | 46 10.40 | 122 13.17 | 1.83$ | 2.4 | 14/20 | 62 | 1.34 | DB | S3 | |
| 19 | 00:25:19.11 | 46 12.46 | 122 13.09 | 12.09 | 1.6 | 8/10 | 76 | 0.05 | AA | S3 | |
| 19 | 00:27:48.73 | 46 12.95 | 122 11.81 | 3.07 | 2.1 | 14/18 | 83 | 0.14 | AC | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 00:32:59.50 | 46 11.86 | 122 12.16 | 7.19$ | 2.0 | 13/17 | 95 | 0.25 | BB | S3 | |
| 19 | 00:34:10.63 | 46 13.88 | 122 10.98 | 14.58 | 1.8 | 15/17 | 89 | 0.18 | BA | S3 | |
| 19 | 00:36:32.98 | 46 12.78 | 122 11.00 | 9.07 | 1.7 | 14/18 | 87 | 0.24 | BB | S3 | |
| 19 | 00:39:41.09 | 46 05.58 | 122 14.48 | 10.16 | 1.6 | 11/13 | 94 | 0.40 | CB | S3 | |
| 19 | 00:42:52.08 | 46 12.28 | 122 10.65 | 4.03 | 2.6 | 14/20 | 87 | 0.16 | BA | S3 | |
| 19 | 00:46:09.32 | 46 12.24 | 122 11.48 | 4.95 | 2.2 | 12/14 | 69 | 0.12 | AA | S3 | |
| 19 | 00:47:29.02 | 46 11.63 | 122 10.93 | 5.91$ | 2.3 | 13/19 | 83 | 0.15 | BA | S3 | |
| 19 | 00:49:37.29 | 46 12.15 | 122 12.25 | 10.75 | 1.2 | 9/11 | 132 | 0.39 | CB | S3 | |
| 19 | 00:51:33.27 | 46 12.95 | 122 13.00 | 7.34$ | 3.3 | 17/17 | 69 | 0.28 | BB | S3 | |
| 19 | 00:53:03.11 | 46 12.75 | 122 12.09 | 15.66 | 3.3 | 15/15 | 60 | 0.20 | BA | S3 | |
| 19 | 00:55:58.33 | 46 13.56 | 122 11.58 | 16.76 | 2.8 | 16/20 | 66 | 0.09 | AA | S3 | |
| 19 | 00:56:50.67 | 46 12.17 | 122 10.60 | 3.75$ | 1.9 | 12/16 | 117 | 0.18 | BB | S3 | |
| 19 | 00:57:59.61 | 46 12.66 | 122 11.72 | 13.93 | 3.6 | 15/15 | 54 | 0.18 | BA | S3 | |
| 19 | 01:01:01.76 | 46 12.32 | 122 09.98 | 13.22 | 1.7 | 8/10 | 143 | 0.17 | BC | S3 | |
| 19 | 01:05:27.33 | 46 12.11 | 122 07.44 | 1.90 | 1.5 | 9/13 | 157 | 0.27 | BC | S3 | |
| 19 | 01:06:33.56 | 46 11.78 | 122 11.90 | 18.03* | 2.2 | 13/17 | 72 | 0.25 | BB | S3 | |
| 19 | 01:07:44.39 | 46 13.20 | 122 12.42 | 3.51 | 1.2 | 9/14 | 69 | 0.16 | BA | S3 | |
| 19 | 01:09:16.44 | 46 12.73 | 122 10.15 | 6.18* | 1.7 | 16/18 | 64 | 0.12 | AA | S3 | |
| 19 | 01:11:41.94 | 46 13.32 | 122 11.59 | 18.01* | 2.8 | 15/17 | 64 | 0.07 | AA | S3 | |
| 19 | 01:14:03.96 | 46 12.52 | 122 10.93 | 2.58$ | 1.9 | 13/18 | 75 | 0.23 | CA | S3 | |
| 19 | 01:17:07.74 | 46 13.12 | 122 11.28 | 3.51$ | 1.5 | 6/08 | 198 | 0.21 | CD | S3 | |
| 19 | 01:21:15.95 | 46 12.26 | 122 11.08 | 2.64 | 1.2 | 13/16 | 96 | 0.23 | BB | S3 | |
| 19 | 01:21:41.29 | 46 13.26 | 122 11.41 | 15.40 | 2.6 | 13/16 | 86 | 0.13 | AA | S3 | |
| 19 | 01:26:40.09 | 46 11.90 | 122 11.58 | 3.84$ | 1.7 | 7/10 | 181 | 0.14 | CD | S3 | |
| 19 | 01:29:30.21 | 46 13.29 | 122 11.36 | 18.53 | 2.6 | 13/16 | 86 | 0.10 | AA | S3 | |
| 19 | 01:31:58.70 | 46 13.06 | 122 12.75 | 7.95 | 3.5 | 17/20 | 68 | 0.16 | BA | S3 | |
| 19 | 01:36:09.74 | 46 12.39 | 122 10.12 | 7.05 | 2.6 | 16/18 | 65 | 0.14 | AA | S3 | |
| 19 | 01:48:00.33 | 46 12.81 | 122 12.37 | 4.39* | 1.5 | 7/09 | 173 | 0.15 | AC | S3 | |
| 19 | 02:00:10.14 | 46 12.83 | 122 11.80 | 13.49 | 1.7 | 10/15 | 175 | 0.16 | BC | S3 | |
| 19 | 02:07:02.95 | 46 13.60 | 122 11.77 | 16.65$ | 1.4 | 9/13 | 195 | 0.19 | BD | S3 | |
| 19 | 02:09:33.23 | 46 13.06 | 122 11.34 | 19.60 | 2.3 | 15/18 | 61 | 0.17 | BA | S3 | |
| 19 | 02:12:15.54 | 46 13.13 | 122 11.89 | 12.72 | 2.4 | 13/13 | 65 | 0.27 | BA | S3 | |
| 19 | 02:17:38.60 | 46 13.34 | 122 11.22 | 16.45 | 1.7 | 10/13 | 113 | 0.08 | AB | S3 | |
| 19 | 02:32:49.52 | 46 13.05 | 122 12.37 | 7.11$ | 1.2 | 11/15 | 108 | 0.15 | AB | S3 | |
| 19 | 02:36:49.21 | 46 11.66 | 122 11.82 | 12.22 | 2.2 | 15/15 | 63 | 0.15 | BA | S3 | |
| 19 | 02:40:42.32 | 46 14.08 | 122 12.06 | 2.70# | 1.2 | 6/08 | 155 | 0.24 | BC | S3 | |
| 19 | 02:58:35.27 | 46 13.42 | 122 11.54 | 17.12 | 1.9 | 13/18 | 85 | 0.06 | AA | S3 | |
| 19 | 03:09:54.85 | 46 12.64 | 122 12.18 | 19.73 | 2.1 | 5/06 | 101 | 0.05 | AD | S3 | |
| 19 | 03:11:16.95 | 46 13.28 | 122 11.74 | 17.80 | 1.9 | 15/17 | 66 | 0.19 | BA | S3 | |
| 19 | 03:34:39.82 | 46 12.46 | 122 10.72 | 0.05* | 2.4 | 11/11 | 69 | 0.34 | CA | S3 | |
| 19 | 03:38:04.24 | 46 12.75 | 122 10.78 | 6.80 | 1.2 | 10/14 | 63 | 0.21 | BB | S3 | |
| 19 | 03:50:03.19 | 46 13.53 | 122 11.81 | 16.18 | 1.2 | 8/14 | 171 | 0.10 | AC | S3 | |
| 19 | 03:51:28.97 | 46 12.27 | 122 10.34 | 7.15$ | 2.3 | 15/19 | 89 | 0.19 | BA | S3 | |
| 19 | 03:55:51.07 | 46 11.77 | 122 10.73 | 5.66 | 2.5 | 16/22 | 64 | 0.22 | BA | S3 | |
| 19 | 04:05:10.22 | 46 13.69 | 122 10.91 | 2.98 | 2.1 | 8/11 | 115 | 0.17 | BB | S3 | |
| 19 | 04:13:27.65 | 46 13.34 | 122 12.71 | 4.94$ | 1.8 | 8/09 | 169 | 0.16 | CC | S3 | |
| 19 | 04:36:19.69 | 46 12.47 | 122 12.59 | 13.01 | 2.5 | 17/19 | 61 | 0.10 | AA | S3 | |
| 19 | 04:43:55.28 | 46 11.88 | 122 09.65 | 11.27 | 1.8 | 11/14 | 66 | 0.24 | BA | S3 | |
| 19 | 05:05:54.16 | 46 11.93 | 122 11.59 | 5.41 | 1.2 | 11/15 | 63 | 0.22 | BA | S3 | |
| 19 | 05:06:23.47 | 46 13.21 | 122 10.10 | 3.08 | 1.2 | 4/06 | 142 | 0.01 | AD | S3 | |
| 19 | 05:23:52.89 | 46 12.10 | 122 09.97 | 12.20 | 1.2 | 6/08 | 125 | 0.20 | CC | S3 | |
| 19 | 05:26:56.49 | 46 12.28 | 122 12.89 | 7.00 | 1.7 | 9/10 | 93 | 0.11 | AB | S3 | |
| 19 | 05:28:48.91 | 46 11.87 | 122 09.70 | 11.15 | 2.0 | 10/13 | 128 | 0.17 | BB | S3 | |
| 19 | 05:38:00.36 | 46 11.94 | 122 11.34 | 3.77$ | 2.4 | 14/16 | 63 | 0.14 | BA | S3 | |
| 19 | 05:43:30.22 | 46 12.51 | 122 11.91 | 6.81 | 1.2 | 5/08 | 145 | 0.08 | AD | S3 | |
| 19 | 05:46:06.73 | 46 13.06 | 122 12.31 | 13.69 | 2.1 | 17/20 | 67 | 0.13 | AA | S3 | |
| 19 | 05:46:43.00 | 46 11.83 | 122 09.67 | 11.43 | 1.7 | 8/10 | 129 | 0.20 | BB | S3 | |
| 19 | 06:24:31.55 | 46 13.40 | 122 10.86 | 3.52* | 1.5 | 14/17 | 64 | 0.14 | AB | S3 | |
| 19 | 06:30:50.23 | 46 12.20 | 122 10.70 | 2.86$ | 1.7 | 16/19 | 64 | 0.16 | BA | S3 | |
| 19 | 06:36:53.76 | 46 12.64 | 122 11.27 | 6.43 | 1.5 | 11/15 | 62 | 0.27 | BA | S3 | |
| 19 | 06:45:41.34 | 46 12.94 | 122 10.46 | 7.28 | 1.9 | 11/13 | 63 | 0.17 | BA | S3 | |
| 19 | 07:18:50.75 | 46 12.63 | 122 12.10 | 15.44 | 3.6 | 23/23 | 58 | 0.17 | BA | S3 | |
| 19 | 07:22:05.09 | 46 13.61 | 122 10.06 | 9.23 | 1.5 | 10/12 | 63 | 0.18 | BA | S3 | |
| 19 | 07:39:32.10 | 46 12.44 | 122 12.79 | 12.10 | 3.3 | 16/16 | 64 | 0.14 | AA | S3 | |
| 19 | 08:00:51.45 | 46 12.25 | 122 09.01 | 1.48 | 1.2 | 6/08 | 145 | 0.10 | AC | S3 | |
| 19 | 08:43:16.18 | 46 13.00 | 122 10.97 | 7.35 | 2.1 | 14/15 | 62 | 0.26 | BA | S3 | |
| 19 | 08:53:10.33 | 46 11.26 | 122 11.85 | 12.02 | 1.2 | 6/06 | 103 | 0.12 | BC | S3 | |
| 19 | 08:58:46.02 | 46 11.86 | 122 12.55 | 10.34 | 1.9 | 14/16 | 77 | 0.12 | AA | S3 | |
| 19 | 09:01:52.67 | 46 12.70 | 122 10.09 | 9.93 | 1.0 | 9/11 | 91 | 0.07 | AB | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 09:10:38.25 | 46 12.02 | 122 10.44 | 10.45 | 1.9 | 13/13 | 87 | 0.20 | BA | S3 | |
| 19 | 09:13:31.61 | 46 12.46 | 122 11.86 | 5.28 | 1.5 | 10/12 | 103 | 0.22 | BB | S3 | |
| 19 | 09:15:35.68 | 46 11.73 | 122 10.94 | 5.90 | 2.9 | 15/17 | 64 | 0.17 | BA | S3 | |
| 19 | 09:32:11.37 | 46 12.86 | 122 10.35 | 7.83 | 1.5 | 10/11 | 63 | 0.11 | AA | S3 | |
| 19 | 10:03:28.14 | 46 13.12 | 122 10.83 | 5.27$ | 1.0 | 11/11 | 88 | 0.12 | AB | S3 | |
| 19 | 11:13:39.67 | 46 12.58 | 122 12.72 | 6.76 | 1.0 | 9/10 | 96 | 0.15 | BB | S3 | |
| 19 | 11:20:57.40 | 46 13.15 | 122 11.42 | 3.86* | 1.2 | 7/10 | 110 | 0.16 | BB | S3 | |
| 19 | 11:51:29.79 | 46 12.13 | 122 10.10 | 10.65 | 1.8 | 9/12 | 90 | 0.08 | AA | S3 | |
| 19 | 12:02:11.66 | 46 12.07 | 122 12.71 | 9.24 | 1.0 | 8/09 | 93 | 0.05 | AB | S3 | |
| 19 | 14:21:57.21 | 46 12.97 | 122 12.33 | 14.69* | 3.6 | 11/11 | 92 | 0.09 | AB | S3 | |
| 19 | 16:17:33.71 | 46 12.42 | 122 12.11 | 7.00 | 1.0 | 6/08 | 130 | 0.11 | AC | S3 | |
| 19 | 18:21:05.44 | 46 12.84 | 122 12.28 | 15.40 | 2.1 | 8/10 | 132 | 0.07 | AB | S3 | |
| 19 | 20:04:29.45 | 46 12.39 | 122 10.28 | 6.06* | 1.1 | 5/09 | 151 | 0.13 | AD | S3 | |
| 19 | 20:59:49.53 | 46 12.13 | 122 11.61 | 5.06 | 1.5 | 11/13 | 82 | 0.17 | BA | S3 | |
| 19 | 21:59:40.05 | 46 13.41 | 122 10.80 | 2.89* | 1.4 | 9/15 | 143 | 0.10 | AC | S3 | |
| 19 | 22:14:13.77 | 46 08.00 | 122 09.34 | 4.63 | 1.5 | 8/12 | 163 | 0.15 | BC | S3 | |
| 19 | 23:23:31.54 | 46 19.96 | 122 13.04 | 3.54# | 1.0 | 8/13 | 109 | 0.16 | BC | S3 | |
| 20 | 00:42:14.51 | 46 12.51 | 122 12.85 | 6.94 | 1.7 | 12/16 | 94 | 0.17 | BB | S3 | |
| 20 | 01:45:55.40 | 46 12.87 | 122 10.46 | 9.48 | 1.5 | 10/14 | 90 | 0.09 | AA | S3 | |
| 20 | 09:14:12.82 | 46 11.92 | 122 12.68 | 10.19 | 2.3 | 15/18 | 76 | 0.19 | BA | S3 | |
| 20 | 09:38:31.52 | 46 12.39 | 122 12.05 | 14.89 | 2.1 | 11/13 | 61 | 0.15 | BA | S3 | |
| 20 | 09:47:16.52 | 46 12.00 | 122 10.66 | 6.68 | 1.1 | 10/11 | 115 | 0.22 | BB | S3 | |
| 20 | 10:02:19.99 | 46 12.33 | 122 12.62 | 7.33 | 1.0 | 10/12 | 95 | 0.17 | BB | S3 | |
| 20 | 11:06:29.52 | 46 12.44 | 122 10.26 | 8.11 | 1.2 | 13/16 | 90 | 0.17 | BA | S3 | |
| 20 | 12:34:31.76 | 46 12.38 | 122 12.46 | 12.50 | 3.4 | 17/19 | 61 | 0.12 | AA | S3 | |
| 20 | 13:54:18.33 | 46 12.41 | 122 11.29 | 3.12$ | 1.2 | 8/10 | 109 | 0.12 | AB | S3 | |
| 20 | 14:33:06.10 | 46 11.93 | 122 12.54 | 10.44 | 1.2 | 9/13 | 94 | 0.15 | AB | S3 | |
| 20 | 15:52:33.17 | 46 11.97 | 122 10.46 | 8.57 | 1.2 | 9/12 | 118 | 0.20 | BB | S3 | |
| 20 | 19:09:00.53 | 46 12.22 | 122 12.99 | 8.80 | 2.2 | 13/14 | 92 | 0.18 | BB | S3 | |
| 20 | 22:23:17.92 | 46 12.07 | 122 11.46 | 5.25* | 1.2 | 6/07 | 130 | 0.16 | BC | S3 | |
| 20 | 23:07:08.51 | 46 12.19 | 122 12.71 | 7.86 | 2.4 | 10/11 | 94 | 0.17 | BB | S3 | |
| 21 | 02:36:32.81 | 46 12.59 | 122 13.37 | 7.59 | 1.9 | 8/10 | 114 | 0.26 | BB | S3 | |
| 21 | 04:23:06.07 | 46 12.14 | 122 11.63 | 1.20 | 1.7 | 6/06 | 126 | 0.27 | BC | S3 | |
| 21 | 04:23:14.78 | 46 19.33 | 122 11.82 | 2.98 | 1.6 | 7/10 | 172 | 0.23 | BC | S3 | |
| 21 | 08:21:33.83 | 46 11.73 | 122 12.28 | 9.65 | 2.7 | 15/17 | 62 | 0.16 | BA | S3 | |
| 21 | 12:07:07.33 | 46 11.78 | 122 10.63 | 6.56 | 1.0 | 9/10 | 115 | 0.18 | BB | S3 | |
| 21 | 12:32:24.01 | 46 12.37 | 122 09.86 | 10.31 | 1.2 | 6/11 | 149 | 0.21 | BC | S3 | |
| 21 | 13:25:50.92 | 46 12.29 | 122 10.92 | 3.26* | 1.2 | 11/12 | 113 | 0.21 | BB | S3 | |
| 21 | 13:45:53.78 | 46 10.14 | 122 07.95 | 12.45 | 2.6 | 12/14 | 91 | 0.13 | AB | S3 | |
| 21 | 14:00:59.68 | 46 12.22 | 122 10.72 | 3.25# | 1.2 | 7/08 | 115 | 0.07 | AB | S3 | |
| 21 | 14:59:01.76 | 46 12.03 | 122 12.93 | 10.45 | 2.5 | 9/10 | 113 | 0.21 | BB | S3 | |
| 21 | 16:02:31.88 | 46 11.73 | 122 12.29 | 14.30 | 4.3 | 15/15 | 62 | 0.12 | AA | S3 | |
| 21 | 20:34:53.95 | 46 19.55 | 122 12.34 | 1.97 | 3.3 | 14/16 | 74 | 0.21 | BC | S3 | |
| 21 | 21:45:34.05 | 46 12.13 | 122 11.20 | 3.24$ | 1.9 | 12/14 | 131 | 0.20 | BB | S3 | |
| 21 | 22:24:55.35 | 46 12.56 | 122 10.74 | 0.88 | 3.1 | 12/14 | 85 | 0.26 | BA | S3 | L |
| 21 | 23:42:07.47 | 46 19.87 | 122 12.37 | 1.92 | 2.1 | 10/12 | 128 | 0.13 | AC | S3 | |
| 22 | 01:01:14.24 | 46 11.50 | 122 12.86 | 8.45 | 2.1 | 10/14 | 83 | 0.08 | AA | S3 | |
| 22 | 09:40:24.32 | 46 11.30 | 122 11.72 | 3.29 | 1.2 | 5/06 | 118 | 0.06 | AD | S3 | |
| 22 | 10:46:11.88 | 46 12.32 | 122 13.11 | 6.93 | 1.7 | 11/15 | 83 | 0.13 | AA | S3 | |
| 22 | 12:01:45.50 | 46 11.37 | 122 09.94 | 10.58 | 1.2 | 6/09 | 124 | 0.06 | AC | S3 | |
| 22 | 12:51:11.16 | 46 04.48 | 122 05.82 | 6.08* | 1.2 | 8/11 | 212 | 0.16 | BD | S3 | |
| 22 | 14:41:22.87 | 46 19.45 | 122 11.51 | 2.31 | 2.0 | 8/11 | 134 | 0.19 | BC | S3 | |
| 22 | 14:46:20.87 | 46 19.84 | 122 13.44 | 2.12$ | 2.6 | 13/18 | 76 | 0.40 | DC | S3 | |
| 22 | 14:50:41.72 | 46 12.04 | 122 10.91 | 3.65$ | 1.2 | 9/10 | 133 | 0.21 | BB | S3 | |
| 22 | 15:40:30.50 | 46 20.34 | 122 13.11 | 2.78$ | 2.8 | 15/18 | 76 | 0.32 | CC | S3 | |
| 22 | 16:36:03.05 | 46 20.44 | 122 13.58 | 2.84$ | 1.4 | 11/16 | 77 | 0.22 | CC | S3 | |
| 22 | 17:33:56.48 | 46 15.76 | 122 15.87 | 11.70 | 1.1 | 10/12 | 83 | 0.14 | AA | S3 | |
| 22 | 17:42:25.14 | 46 12.41 | 122 12.51 | 3.76$ | 1.2 | 6/11 | 150 | 0.14 | BC | S3 | |
| 22 | 17:56:12.19 | 46 19.71 | 122 12.20 | 3.97* | 1.5 | 9/12 | 106 | 0.12 | AC | S3 | |
| 22 | 21:50:01.91 | 46 16.14 | 122 12.48 | 6.11* | 2.2 | 13/15 | 72 | 0.10 | AB | S3 | |
| 22 | 21:51:38.28 | 46 12.18 | 122 12.82 | 10.38 | 1.2 | 5/07 | 149 | 0.09 | AD | S3 | |
| 22 | 22:39:00.20 | 46 19.70 | 122 12.02 | 3.36* | 2.9 | 13/14 | 98 | 0.17 | BC | S3 | |
| 23 | 00:51:03.69 | 46 11.73 | 122 09.53 | 11.00 | 1.0 | 7/08 | 131 | 0.13 | AB | S3 | |
| 23 | 04:39:45.55 | 46 11.86 | 122 12.52 | 9.99 | 1.2 | 9/12 | 94 | 0.12 | AB | S3 | |
| 23 | 04:57:23.82 | 46 05.92 | 122 06.13 | 6.06* | 1.1 | 8/10 | 198 | 0.20 | BD | S3 | |
| 23 | 05:19:10.05 | 46 12.37 | 122 11.20 | 4.28 | 1.2 | 6/07 | 134 | 0.09 | AC | S3 | |
| 23 | 06:43:43.12 | 46 12.22 | 122 12.61 | 7.84 | 1.2 | 11/12 | 95 | 0.20 | BB | S3 | |
| 23 | 08:17:39.29 | 46 12.00 | 122 11.41 | 3.40 | 1.5 | 12/15 | 106 | 0.21 | BB | S3 | |
| 23 | 11:00:04.35 | 46 19.67 | 122 13.43 | 3.21 | 1.2 | 6/08 | 118 | 0.07 | AC | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 11:40:57.27 | 46 12.79 | 122 10.51 | 7.23 | 1.2 | 11/14 | 63 | 0.19 | BB | S3 | |
| 23 | 13:50:49.37 | 46 20.30 | 122 12.90 | 3.77 | 3.3 | 17/19 | 75 | 0.21 | BC | S3 | |
| 23 | 13:51:46.00 | 46 20.14 | 122 12.41 | 3.29 | 1.8 | 12/16 | 107 | 0.21 | BC | S3 | |
| 23 | 14:13:05.68 | 46 20.30 | 122 12.71 | 4.35* | 1.8 | 12/15 | 94 | 0.13 | AC | S3 | |
| 23 | 14:17:21.00 | 46 20.58 | 122 12.69 | 2.89 | 1.3 | 9/11 | 108 | 0.08 | AC | S3 | |
| 23 | 14:19:31.76 | 46 20.61 | 122 13.12 | 3.45$ | 1.4 | 9/13 | 109 | 0.15 | CC | S3 | |
| 23 | 14:25:37.42 | 46 20.72 | 122 13.00 | 4.38$ | 1.0 | 8/11 | 91 | 0.16 | BC | S3 | |
| 23 | 16:14:38.68 | 46 12.27 | 122 12.80 | 7.96 | 1.7 | 11/14 | 94 | 0.17 | BB | S3 | |
| 24 | 04:18:33.57 | 46 12.55 | 122 10.52 | 7.04$ | 1.7 | 12/16 | 118 | 0.18 | BB | S3 | |
| 24 | 04:50:28.26 | 46 12.52 | 122 11.10 | 3.41* | 1.5 | 6/07 | 137 | 0.06 | AC | S3 | |
| 24 | 21:49:52.05 | 46 12.28 | 122 12.46 | 7.58 | 1.2 | 10/16 | 83 | 0.20 | BB | S3 | |
| 24 | 23:01:23.69 | 46 19.97 | 122 12.78 | 2.45 | 4.1 | 18/18 | 50 | 0.19 | BC | S3 | |
| 25 | 00:03:19.84 | 46 20.06 | 122 12.30 | 1.19 | 1.1 | 9/16 | 109 | 0.14 | AC | S3 | |
| 25 | 00:41:24.67 | 46 19.83 | 122 12.61 | 2.20 | 2.5 | 14/20 | 95 | 0.13 | AC | S3 | |
| 25 | 03:36:47.02 | 46 04.81 | 122 05.96 | 3.72 | 1.8 | 12/15 | 129 | 0.16 | BC | S3 | |
| 25 | 07:27:56.62 | 46 19.64 | 122 13.83 | 2.99$ | 2.3 | 13/17 | 73 | 0.20 | BB | S3 | |
| 25 | 09:10:42.08 | 46 12.42 | 122 12.45 | 8.16 | 1.2 | 10/15 | 85 | 0.14 | AA | S3 | |
| 25 | 09:49:06.70 | 46 12.27 | 122 12.54 | 7.30 | 1.8 | 13/16 | 83 | 0.18 | BA | S3 | |
| 25 | 09:49:33.91 | 46 12.07 | 122 12.79 | 7.68 | 1.3 | 12/14 | 115 | 0.26 | BB | S3 | |
| 25 | 10:23:52.13 | 46 11.70 | 122 12.53 | 7.72 | 1.1 | 10/13 | 114 | 0.21 | BB | S3 | |
| 25 | 10:24:30.34 | 46 12.26 | 122 11.85 | 3.44$ | 1.0 | 13/15 | 84 | 0.15 | BA | S3 | |
| 25 | 10:33:41.59 | 46 12.06 | 122 12.21 | 6.74 | 1.0 | 13/15 | 83 | 0.33 | CA | S3 | |
| 25 | 10:46:58.80 | 46 12.10 | 122 12.04 | 2.83 | 1.2 | 12/15 | 84 | 0.16 | BA | S3 | |
| 25 | 10:57:26.39 | 46 12.06 | 122 12.22 | 5.92* | 1.2 | 12/13 | 120 | 0.16 | BB | S3 | |
| 25 | 11:15:29.20 | 46 12.22 | 122 11.67 | 4.45$ | 1.0 | 9/11 | 126 | 0.20 | CB | S3 | |
| 25 | 11:22:09.86 | 46 12.22 | 122 12.19 | 5.92 | 1.5 | 10/12 | 121 | 0.20 | BB | S3 | |
| 25 | 11:24:12.67 | 46 12.17 | 122 12.44 | 6.40 | 1.4 | 13/16 | 83 | 0.17 | BA | S3 | |
| 25 | 11:51:12.99 | 46 12.70 | 122 12.87 | 7.18* | 1.1 | 7/09 | 120 | 0.07 | AB | S3 | |
| 25 | 12:01:34.46 | 46 12.46 | 122 11.98 | 4.77 | 1.5 | 14/16 | 84 | 0.24 | BA | S3 | |
| 25 | 12:24:36.35 | 46 17.92 | 122 14.66 | 0.04* | 1.1 | 8/10 | 223 | 0.26 | BD | S3 | |
| 25 | 12:32:08.98 | 46 12.11 | 122 10.87 | 6.50 | 1.2 | 12/15 | 134 | 0.24 | BB | S3 | |
| 25 | 12:42:01.33 | 46 12.81 | 122 12.28 | 7.52 | 1.0 | 13/17 | 84 | 0.24 | BA | S3 | |
| 25 | 12:56:23.94 | 46 12.25 | 122 12.19 | 7.75 | 1.2 | 10/13 | 85 | 0.17 | BA | S3 | |
| 25 | 13:00:41.35 | 46 11.89 | 122 11.40 | 5.94 | 1.7 | 14/19 | 84 | 0.16 | BA | S3 | |
| 25 | 13:06:37.59 | 46 12.29 | 122 09.99 | 7.58 | 1.6 | 13/17 | 145 | 0.18 | BC | S3 | |
| 25 | 13:08:37.37 | 46 12.37 | 122 12.03 | 5.89* | 1.7 | 14/17 | 84 | 0.22 | BA | S3 | |
| 25 | 13:20:24.10 | 46 12.36 | 122 12.36 | 7.17 | 1.0 | 10/13 | 121 | 0.15 | BB | S3 | |
| 25 | 13:20:24.15 | 46 12.27 | 122 12.16 | 7.10 | 1.1 | 11/15 | 122 | 0.20 | BB | S3 | |
| 25 | 13:23:07.92 | 46 11.67 | 122 10.55 | 0.02* | 1.3 | 11/12 | 136 | 0.18 | BC | S3 | |
| 25 | 13:32:34.83 | 46 11.95 | 122 12.43 | 6.62 | 1.4 | 11/13 | 117 | 0.15 | AB | S3 | |
| 25 | 13:36:59.68 | 46 12.31 | 122 12.60 | 6.65 | 1.0 | 8/11 | 118 | 0.13 | AB | S3 | |
| 25 | 13:42:49.55 | 46 11.97 | 122 12.51 | 7.78 | 1.1 | 11/13 | 117 | 0.19 | BB | S3 | |
| 25 | 14:03:27.36 | 46 12.14 | 122 10.96 | 5.95* | 1.4 | 14/18 | 85 | 0.24 | BA | S3 | |
| 25 | 14:07:45.55 | 46 12.12 | 122 12.26 | 6.55 | 1.4 | 11/18 | 120 | 0.14 | AB | S3 | |
| 25 | 14:09:13.06 | 46 11.78 | 122 11.21 | 5.83 | 2.1 | 13/16 | 84 | 0.19 | BA | S3 | |
| 25 | 14:31:01.13 | 46 12.04 | 122 10.72 | 9.70 | 1.1 | 10/13 | 136 | 0.35 | CC | S3 | |
| 25 | 14:53:54.91 | 46 12.37 | 122 11.84 | 5.29 | 1.3 | 9/11 | 126 | 0.20 | BB | S3 | |
| 25 | 14:59:31.88 | 46 12.07 | 122 12.63 | 6.75 | 1.0 | 12/14 | 83 | 0.22 | BA | S3 | |
| 25 | 15:16:21.98 | 46 12.16 | 122 12.88 | 10.48 | 2.5 | 14/18 | 83 | 0.16 | BA | S3 | |
| 25 | 15:22:36.86 | 46 12.80 | 122 11.72 | 4.52 | 1.0 | 11/13 | 84 | 0.27 | BA | S3 | |
| 25 | 15:25:45.96 | 46 12.06 | 122 12.76 | 5.29 | 1.0 | 13/16 | 83 | 0.16 | BA | S3 | |
| 25 | 16:28:23.10 | 46 11.91 | 122 10.83 | 6.06 | 1.2 | 13/16 | 85 | 0.16 | BA | S3 | |
| 25 | 17:45:17.94 | 46 12.29 | 122 10.63 | 6.56 | 1.2 | 13/18 | 64 | 0.22 | BA | S3 | |
| 25 | 17:58:01.40 | 46 12.20 | 122 12.61 | 7.26 | 1.2 | 10/13 | 83 | 0.15 | BA | S3 | |
| 25 | 19:03:44.10 | 46 12.02 | 122 12.64 | 7.38 | 1.5 | 14/17 | 61 | 0.16 | BA | S3 | |
| 25 | 19:32:28.37 | 46 12.31 | 122 09.93 | 7.15 | 1.3 | 13/16 | 65 | 0.20 | BA | S3 | |
| 25 | 20:37:55.02 | 46 12.23 | 122 12.46 | 6.90 | 1.0 | 11/14 | 96 | 0.18 | BB | S3 | |
| 25 | 21:04:12.27 | 46 12.07 | 122 12.46 | 6.01* | 1.0 | 12/16 | 96 | 0.15 | AB | S3 | |
| 25 | 22:06:41.12 | 46 12.03 | 122 12.54 | 8.08 | 1.0 | 7/10 | 95 | 0.05 | AB | S3 | |
| 25 | 23:10:30.15 | 46 12.33 | 122 10.61 | 8.20 | 1.0 | 6/09 | 129 | 0.08 | AC | S3 | |
| 26 | 06:53:58.69 | 46 05.34 | 122 06.33 | 7.44 | 1.4 | 6/09 | 220 | 0.06 | AD | S3 | |
| 26 | 10:13:20.48 | 46 13.38 | 122 10.80 | 0.02* | 1.1 | 8/08 | 139 | 0.43 | CC | S3 | L |
| 26 | 14:02:10.23 | 46 20.51 | 122 12.41 | 3.91 | 2.3 | 10/14 | 75 | 0.18 | BC | S3 | |
| 26 | 18:30:43.80 | 46 12.38 | 122 09.95 | 8.41 | 2.2 | 13/17 | 65 | 0.17 | BA | S3 | |
| 26 | 21:24:27.02 | 46 11.44 | 122 08.75 | 10.72 | 1.2 | 6/08 | 144 | 0.17 | BC | S3 | |
| 26 | 21:47:26.66 | 46 11.37 | 122 10.49 | 6.02$ | 1.4 | 8/11 | 117 | 0.21 | BB | S3 | |
| 27 | 03:40:31.55 | 46 12.27 | 122 12.48 | 6.82* | 1.2 | 7/11 | 127 | 0.19 | BB | S3 | |
| 27 | 05:44:34.68 | 46 06.12 | 122 07.28 | 5.80$ | 1.7 | 8/10 | 114 | 0.25 | CB | S3 | |
| 27 | 22:44:54.49 | 46 12.68 | 122 10.96 | 7.01 | 1.2 | 6/10 | 113 | 0.11 | AC | S3 | |

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| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | 23:30:41.22 | 46 15.61 | 122 15.81 | 7.44 | 2.6 | 11/13 | 149 | 0.11 | AC | S3 | |
| 27 | 23:50:00.29 | 46 19.90 | 122 11.51 | 3.06$ | 2.7 | 12/16 | 131 | 0.31 | CC | S3 | |
| 28 | 13:38:32.82 | 46 11.90 | 122 11.03 | 6.54* | 1.5 | 13/15 | 64 | 0.22 | BA | S3 | |
| 28 | 14:15:31.67 | 46 20.18 | 122 12.77 | 1.87 | 4.1 | 18/18 | 75 | 0.23 | CC | S3 | F |
| 28 | 14:18:30.23 | 46 20.12 | 122 12.34 | 3.99 | 4.0 | 17/17 | 74 | 0.24 | BC | S3 | F |
| 28 | 14:21:49.64 | 46 20.45 | 122 12.81 | 2.44 | 2.6 | 14/17 | 75 | 0.20 | BC | S3 | |
| 28 | 14:24:55.37 | 46 20.61 | 122 12.78 | 3.31$ | 1.6 | 11/14 | 93 | 0.17 | BC | S3 | |
| 28 | 14:29:59.47 | 46 20.46 | 122 12.70 | 3.42* | 1.1 | 7/11 | 120 | 0.07 | AC | S3 | |
| 28 | 14:43:34.60 | 46 20.52 | 122 12.67 | 2.92 | 1.7 | 8/09 | 97 | 0.10 | AC | S3 | |
| 28 | 14:44:36.66 | 46 20.54 | 122 12.41 | 3.11 | 1.4 | 7/10 | 110 | 0.12 | AC | S3 | |
| 28 | 14:59:15.35 | 46 20.35 | 122 12.70 | 3.20 | 2.3 | 13/18 | 94 | 0.13 | AC | S3 | |
| 28 | 16:03:12.72 | 46 20.39 | 122 12.34 | 3.23$ | 1.1 | 7/10 | 95 | 0.20 | CC | S3 | |
| 29 | 10:07:30.34 | 46 20.35 | 122 12.60 | 3.59$ | 2.1 | 5/10 | 120 | 0.11 | BD | S3 | |
| 29 | 10:17:08.15 | 46 12.19 | 122 09.83 | 10.08 | 1.2 | 4/07 | 189 | 0.08 | BD | S3 | |
| 29 | 13:51:46.78 | 46 12.04 | 122 12.63 | 10.80 | 1.2 | 5/09 | 159 | 0.07 | AD | S3 | |
| 30 | 16:53:42.17 | 46 16.36 | 122 12.95 | 2.54$ | 1.2 | 11/13 | 99 | 0.13 | CB | S3 | |
| 31 | 05:45:47.85 | 46 20.78 | 122 11.75 | 5.38 | 1.0 | 5/10 | 130 | 0.06 | AD | S3 | |
| 31 | 07:40:18.74 | 46 21.00 | 122 12.77 | 3.39 | 2.5 | 16/19 | 73 | 0.11 | AA | S3 | |
| 31 | 10:05:48.73 | 46 20.87 | 122 11.66 | 3.22$ | 1.8 | 10/12 | 130 | 0.14 | CC | S3 | |
| 31 | 12:22:08.75 | 46 11.61 | 122 11.33 | 11.43 | 1.2 | 7/11 | 105 | 0.06 | AB | S3 | |
| 31 | 21:39:50.84 | 46 19.40 | 122 13.93 | 1.22 | 2.5 | 16/17 | 73 | 0.18 | BB | S3 | |

**June 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22:27:57.87 | 46 17.15 | 122 12.08 | 3.16 | 1.2 | 8/10 | 133 | 0.10 | AC | S3 | |
| 2 | 03:15:21.52 | 46 22.77 | 122 13.22 | 2.74 | 1.9 | 15/19 | 69 | 0.23 | BA | S3 | |
| 2 | 09:56:34.15 | 46 22.75 | 122 12.95 | 2.80 | 1.8 | 12/14 | 82 | 0.15 | BA | S3 | |
| 5 | 21:48:23.57 | 46 06.36 | 122 07.80 | 6.85 | 1.1 | 6/08 | 183 | 0.05 | AD | S3 | |
| 6 | 20:12:16.86 | 46 21.47 | 122 09.69 | 1.81 | 1.5 | 8/10 | 140 | 0.10 | AC | S3 | |
| 9 | 08:01:06.67 | 46 06.33 | 122 08.63 | 6.75 | 1.5 | 7/10 | 177 | 0.09 | AC | S3 | |
| 9 | 12:40:55.05 | 46 20.37 | 122 14.30 | 3.86$ | 1.3 | 7/10 | 189 | 0.15 | CD | S3 | |
| 11 | 04:07:55.02 | 46 09.44 | 122 07.80 | 12.31 | 2.0 | 11/14 | 166 | 0.16 | BC | S3 | |
| 11 | 07:31:28.71 | 46 04.53 | 122 04.70 | 12.86 | 1.4 | 6/08 | 217 | 0.07 | AD | S3 | |
| 13 | 07:50:45.27 | 46 11.97 | 122 12.14 | 7.92 | 1.0 | 7/07 | 122 | 0.04 | AB | S3 | |
| 13 | 07:51:24.68 | 46 12.11 | 122 12.44 | 8.21 | 1.0 | 8/10 | 96 | 0.07 | AB | S3 | |
| 13 | 09:36:56.58 | 46 11.95 | 122 12.11 | 8.44 | 1.1 | 10/10 | 65 | 0.06 | AA | S3 | |
| 13 | 10:00:16.47 | 46 11.83 | 122 12.28 | 8.35 | 1.0 | 15/15 | 46 | 0.19 | BA | S3 | |
| 13 | 10:05:15.50 | 46 14.47 | 122 08.60 | 0.88$ | 1.0 | 6/07 | 163 | 0.92 | DC | S3 | |
| 13 | 10:11:17.73 | 46 11.97 | 122 10.73 | 6.87 | 1.2 | 12/16 | 114 | 0.24 | BB | S3 | |
| 13 | 10:30:38.84 | 46 12.44 | 122 12.06 | 8.36 | 1.3 | 8/09 | 101 | 0.08 | AB | S3 | |
| 13 | 10:31:07.44 | 46 12.41 | 122 12.10 | 6.72 | 1.4 | 9/10 | 101 | 0.11 | AB | S3 | |
| 13 | 11:29:54.67 | 46 11.94 | 122 12.25 | 8.10 | 1.4 | 10/10 | 66 | 0.06 | AA | S3 | |
| 13 | 12:02:17.73 | 46 12.08 | 122 12.23 | 6.94* | 1.4 | 14/15 | 64 | 0.10 | AA | S3 | |
| 13 | 12:26:23.63 | 46 12.17 | 122 12.50 | 7.51 | 1.0 | 8/10 | 96 | 0.06 | AB | S3 | |
| 13 | 13:38:37.22 | 46 12.18 | 122 12.44 | 8.17 | 1.6 | 18/21 | 45 | 0.20 | BA | S3 | |
| 13 | 18:25:27.84 | 46 11.95 | 122 12.31 | 7.33 | 1.2 | 14/14 | 45 | 0.24 | BA | S3 | |
| 13 | 22:26:08.36 | 46 21.30 | 122 14.89 | 4.44* | 1.6 | 13/18 | 73 | 0.10 | AC | S3 | |
| 15 | 08:25:48.78 | 46 16.42 | 122 12.42 | 2.29 | 1.1 | 9/13 | 93 | 0.07 | AB | S3 | |
| 16 | 13:53:47.91 | 46 17.47 | 122 13.60 | 11.84 | 1.1 | 14/17 | 73 | 0.10 | AA | S3 | |
| 16 | 22:53:28.75 | 46 20.15 | 122 12.84 | 3.95$ | 2.3 | 15/20 | 77 | 0.27 | CC | S3 | |
| 18 | 19:48:21.83 | 46 07.30 | 122 07.45 | 2.08* | 2.0 | 10/13 | 152 | 0.12 | AC | S3 | |
| 19 | 18:04:56.11 | 46 20.09 | 122 13.37 | 3.79* | 2.7 | 21/23 | 65 | 0.12 | AC | S3 | |
| 22 | 05:02:49.38 | 46 22.49 | 122 13.28 | 5.24$ | 1.0 | 8/10 | 107 | 0.09 | AC | S3 | |
| 22 | 07:08:58.87 | 46 21.40 | 122 14.80 | 6.65 | 1.0 | 9/12 | 100 | 0.16 | BB | S3 | |
| 22 | 12:46:38.17 | 46 23.96 | 122 13.04 | 2.46$ | 1.4 | 18/24 | 57 | 0.15 | CC | S3 | |
| 25 | 06:50:43.52 | 46 20.30 | 122 13.17 | 2.34$ | 1.0 | 13/15 | 55 | 0.30 | CC | S3 | |
| 25 | 11:30:29.94 | 46 19.33 | 122 12.47 | 3.59$ | 1.0 | 14/19 | 59 | 0.17 | CC | S3 | |
| 25 | 17:55:03.24 | 46 06.32 | 122 07.13 | 4.96 | 2.3 | 19/26 | 112 | 0.21 | BB | S3 | |
| 25 | 17:59:37.87 | 46 06.17 | 122 07.34 | 6.19 | 1.8 | 13/18 | 142 | 0.08 | AC | S3 | |
| 27 | 14:40:32.14 | 46 22.16 | 122 16.31 | 14.72 | 1.6 | 14/19 | 63 | 0.10 | AA | S3 | |
| 27 | 21:59:19.07 | 46 17.31 | 122 21.87 | 16.05 | 1.2 | 14/17 | 100 | 0.14 | AB | S3 | |
| 30 | 05:42:26.11 | 46 17.19 | 122 12.50 | 1.19 | 2.7 | 21/23 | 69 | 0.16 | BC | S3 | |

**July 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 08:14:08.40 | 46 23.82 | 122 14.60 | 3.42 | 1.2 | 9/14 | 137 | 0.08 | AC | S3 | |
| 1 | 14:48:54.78 | 46 21.45 | 122 12.31 | 2.27$ | 1.0 | 10/17 | 71 | 0.26 | CC | S3 | |

July 1980, cont'd

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 04:27:32.43 | 46 21.63 | 122 12.32 | 3.73$ | 1.5 | 11/16 | 66 | 0.20 | CC | S3 | |
| 6 | 09:26:23.55 | 46 21.65 | 122 12.37 | 3.49 | 1.1 | 8/12 | 116 | 0.09 | AC | S3 | |
| 7 | 00:20:09.85 | 46 21.29 | 122 12.18 | 2.84 | 2.8 | 17/23 | 54 | 0.15 | AC | S3 | |
| 7 | 00:45:13.07 | 46 21.38 | 122 12.22 | 2.09$ | 2.5 | 16/21 | 53 | 0.27 | CC | S3 | |
| 7 | 01:35:02.84 | 46 05.23 | 122 06.81 | 4.72 | 3.1 | 15/16 | 122 | 0.19 | BB | S3 | |
| 7 | 01:36:34.31 | 46 05.33 | 122 06.94 | 4.24 | 2.8 | 16/17 | 120 | 0.19 | BB | S3 | |
| 7 | 01:38:59.90 | 46 04.89 | 122 06.57 | 6.24$ | 2.4 | 12/14 | 180 | 0.19 | BC | S3 | |
| 7 | 01:45:34.88 | 46 05.40 | 122 06.82 | 4.15 | 3.2 | 17/18 | 120 | 0.17 | BB | S3 | |
| 7 | 03:12:04.05 | 46 05.02 | 122 06.98 | 6.72 | 1.9 | 10/13 | 172 | 0.07 | AC | S3 | |
| 7 | 11:30:59.02 | 46 17.87 | 122 13.30 | 7.73 | 1.7 | 14/18 | 82 | 0.12 | AB | S3 | |
| 7 | 15:32:51.14 | 46 04.94 | 122 06.86 | 7.74 | 2.0 | 9/13 | 175 | 0.09 | AC | S3 | |
| 7 | 23:34:11.62 | 46 21.39 | 122 11.52 | 3.48* | 1.5 | 14/19 | 72 | 0.11 | AC | S3 | |
| 13 | 04:40:25.37 | 46 16.92 | 122 13.83 | 11.19 | 1.5 | 4/04 | 171 | 0.06 | AD | S3 | H |
| 15 | 11:07:04.81 | 46 18.58 | 122 12.17 | 1.23 | 1.0 | 10/14 | 86 | 0.15 | BC | S3 | |
| 15 | 15:10:58.97 | 46 18.84 | 122 12.58 | 3.20 | 2.4 | 13/18 | 86 | 0.12 | AC | S3 | |
| 15 | 20:41:18.92 | 46 18.83 | 122 12.55 | 2.32 | 2.4 | 14/18 | 86 | 0.12 | AC | S3 | |
| 17 | 03:51:37.13 | 46 04.79 | 122 06.94 | 8.36 | 1.9 | 7/08 | 202 | 0.03 | AD | S3 | |
| 17 | 03:53:07.66 | 46 04.64 | 122 06.03 | 8.31 | 2.0 | 8/11 | 209 | 0.07 | AD | S3 | |
| 19 | 04:36:49.65 | 46 05.81 | 122 06.92 | 7.20 | 1.0 | 6/11 | 210 | 0.18 | BD | S3 | |
| 20 | 02:03:24.66 | 46 05.90 | 122 07.29 | 4.99 | 3.5 | 17/17 | 86 | 0.19 | BB | S3 | |
| 20 | 03:55:17.27 | 46 05.90 | 122 07.22 | 7.58 | 1.3 | 10/16 | 150 | 0.06 | AC | S3 | |
| 20 | 04:23:25.34 | 46 06.08 | 122 07.19 | 5.79$ | 1.8 | 13/17 | 123 | 0.22 | BB | S3 | |
| 20 | 04:47:15.53 | 46 06.06 | 122 07.16 | 6.26 | 2.0 | 12/16 | 127 | 0.20 | BB | S3 | |
| 20 | 13:30:25.41 | 46 06.10 | 122 07.34 | 6.15 | 2.8 | 14/18 | 123 | 0.25 | BB | S3 | |
| 20 | 14:22:32.90 | 46 10.33 | 122 07.38 | 8.69 | 3.7 | 19/19 | 99 | 0.15 | BB | S3 | |
| 20 | 17:36:44.93 | 46 06.20 | 122 07.28 | 6.01$ | 2.6 | 16/19 | 61 | 0.27 | BA | S3 | |
| 20 | 17:42:09.84 | 46 06.06 | 122 07.17 | 4.48 | 3.1 | 17/20 | 62 | 0.17 | BB | S3 | |
| 20 | 20:12:04.91 | 46 05.89 | 122 06.64 | 7.18 | 1.3 | 10/14 | 156 | 0.12 | AC | S3 | |
| 21 | 01:42:53.07 | 46 05.80 | 122 06.29 | 7.56 | 1.0 | 8/10 | 162 | 0.05 | AC | S3 | |
| 21 | 19:54:00.22 | 46 05.80 | 122 07.09 | 7.39 | 1.0 | 7/10 | 153 | 0.06 | AC | S3 | |
| 22 | 08:25:29.85 | 46 05.97 | 122 06.89 | 6.96 | 1.0 | 10/14 | 151 | 0.07 | AC | S3 | |
| 22 | 08:57:49.32 | 46 05.88 | 122 07.17 | 5.96$ | 2.1 | 14/16 | 151 | 0.19 | BC | S3 | |
| 22 | 13:27:52.34 | 46 02.33 | 122 18.73 | 19.94 | 1.1 | 6/07 | 288 | 0.50 | DD | S3 | |
| 22 | 14:53:27.15 | 46 12.52 | 122 11.31 | 1.32 | 2.3 | 7/07 | 89 | 0.08 | AB | S3 | L |
| 22 | 19:49:18.92 | 46 12.17 | 122 11.10 | 1.05 | 2.3 | 6/06 | 149 | 0.05 | AC | S3 | L |
| 22 | 21:04:04.28 | 46 12.03 | 122 12.03 | 1.96 | 2.3 | 6/06 | 138 | 0.01 | AC | S3 | L |
| 22 | 21:58:05.84 | 46 14.27 | 122 11.01 | 0.03* | 1.7 | 8/08 | 97 | 0.03 | AB | S3 | |
| 22 | 22:46:42.71 | 46 12.65 | 122 11.67 | 1.69 | 2.1 | 7/07 | 89 | 0.07 | AB | S3 | L |
| 22 | 22:56:30.67 | 46 12.67 | 122 11.17 | 0.51 | 1.3 | 4/04 | 167 | 0. | AD | S3 | L |
| 22 | 23:01:13.20 | 46 12.15 | 122 11.20 | 1.04 | 2.1 | 7/07 | 75 | 0.18 | BB | S3 | L |
| 22 | 23:09:54.92 | 46 12.12 | 122 11.31 | 0.74 | 2.1 | 11/11 | 71 | 0.22 | BA | S3 | L |
| 22 | 23:20:27.72 | 46 12.61 | 122 11.67 | 0.04* | 2.1 | 7/07 | 88 | 0.04 | AB | S3 | L |
| 22 | 23:21:35.25 | 46 12.18 | 122 11.81 | 1.09 | 1.7 | 6/06 | 144 | 0.17 | BC | S3 | L |
| 22 | 23:40:13.14 | 46 12.29 | 122 11.29 | 0.60 | 2.1 | 13/13 | 63 | 0.23 | BA | S3 | L |
| 22 | 23:43:17.13 | 46 12.38 | 122 11.51 | 2.04 | 2.3 | 6/06 | 153 | 0.10 | AC | S3 | L |
| 22 | 23:48:07.90 | 46 12.87 | 122 11.04 | 0.74 | 2.1 | 6/06 | 176 | 0.09 | AC | S3 | L |
| 22 | 23:53:12.31 | 46 12.79 | 122 11.06 | 1.26 | 2.1 | 7/07 | 100 | 0.04 | AB | S3 | L |
| 22 | 23:56:33.05 | 46 12.50 | 122 11.93 | 1.40 | 2.3 | 9/09 | 76 | 0.08 | AA | S3 | L |
| 22 | 23:59:15.99 | 46 13.45 | 122 11.33 | 0.52 | 2.1 | 7/07 | 110 | 0.20 | BB | S3 | L |
| 23 | 00:03:28.67 | 46 11.79 | 122 11.71 | 2.02 | 1.4 | 4/04 | 186 | 0. | AD | S3 | |
| 23 | 00:03:59.22 | 46 12.16 | 122 12.51 | 2.21 | 1.5 | 7/07 | 100 | 0.17 | BB | S3 | |
| 23 | 00:06:00.69 | 46 12.40 | 122 12.60 | 3.41$ | 1.7 | 6/06 | 145 | 0.10 | AC | S3 | L |
| 23 | 01:17:27.80 | 46 12.35 | 122 10.21 | 0.05* | 2.1 | 6/06 | 171 | 0.10 | AC | S3 | L |
| 23 | 03:58:12.43 | 46 12.85 | 122 08.82 | 1.09$ | 1.2 | 5/07 | 120 | 0.59 | DD | S3 | |
| 23 | 07:06:47.62 | 46 11.90 | 122 10.49 | 7.42 | 1.3 | 10/15 | 68 | 0.09 | AA | S3 | |
| 23 | 10:38:15.63 | 46 05.64 | 122 07.08 | 6.17$ | 2.7 | 12/16 | 91 | 0.26 | BB | S3 | |
| 23 | 11:53:17.08 | 46 05.71 | 122 06.87 | 6.88 | 1.7 | 10/13 | 158 | 0.10 | AC | S3 | |
| 24 | 01:39:06.32 | 46 05.70 | 122 07.10 | 6.91 | 1.0 | 6/08 | 156 | 0.06 | AC | S3 | |
| 24 | 08:31:16.34 | 46 14.46 | 122 06.55 | 10.52 | 1.2 | 10/15 | 152 | 0.12 | AC | S3 | |
| 25 | 05:42:58.39 | 46 18.91 | 122 12.94 | 3.45$ | 2.5 | 16/20 | 80 | 0.13 | BB | S3 | |
| 28 | 02:45:10.30 | 46 05.91 | 122 07.06 | 6.18 | 2.1 | 13/18 | 87 | 0.19 | BA | S3 | |
| 28 | 04:51:36.36 | 46 05.38 | 122 06.40 | 6.72 | 1.1 | 7/12 | 171 | 0.08 | AC | S3 | |
| 28 | 05:32:15.37 | 46 05.66 | 122 07.40 | 7.53 | 1.3 | 7/10 | 154 | 0.07 | AC | S3 | |
| 28 | 20:30:22.87 | 46 06.44 | 122 07.46 | 5.03 | 2.3 | 13/15 | 59 | 0.23 | BA | S3 | |
| 28 | 20:30:52.51 | 46 05.97 | 122 06.42 | 6.01 | 2.1 | 10/12 | 156 | 0.16 | BC | S3 | |
| 29 | 02:34:28.40 | 46 05.98 | 122 06.55 | 6.93 | 1.2 | 7/11 | 154 | 0.06 | AC | S3 | |
| 29 | 10:58:03.87 | 46 05.77 | 122 07.19 | 6.05# | 2.2 | 13/16 | 127 | 0.28 | BB | S3 | |
| 29 | 13:09:20.36 | 46 06.43 | 122 07.43 | 7.30 | 1.1 | 7/11 | 202 | 0.05 | AD | S3 | |
| 29 | 13:46:38.61 | 46 05.71 | 122 06.67 | 6.41 | 1.1 | 6/07 | 213 | 0.05 | AD | S3 | |

**July 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 18:06:39.32 | 46 06.23 | 122 07.17 | 7.18* | 2.2 | 10/13 | 143 | 0.09 | AC | S3 | |
| 30 | 05:01:39.08 | 46 16.68 | 122 10.11 | 3.42 | 1.1 | 8/11 | 112 | 0.08 | AB | S3 | |
| 31 | 06:57:35.45 | 46 05.14 | 122 06.42 | 7.47 | 1.1 | 9/12 | 202 | 0.16 | BD | S3 | |
| 31 | 12:29:35.53 | 46 06.19 | 122 07.32 | 6.39 | 2.3 | 12/14 | 188 | 0.21 | BD | S3 | |
| 31 | 18:41:35.29 | 46 05.24 | 122 05.97 | 6.99 | 1.2 | 6/09 | 180 | 0.04 | AC | S3 | |

**Aug 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 19:45:54.78 | 46 05.69 | 122 07.23 | 7.31 | 1.7 | 10/15 | 155 | 0.07 | AC | S3 | |
| 4 | 20:43:56.07 | 46 05.66 | 122 07.14 | 7.21 | 1.1 | 10/16 | 156 | 0.07 | AC | S3 | |
| 5 | 00:36:11.36 | 46 05.76 | 122 07.08 | 5.13 | 2.5 | 16/20 | 155 | 0.16 | BC | S3 | |
| 5 | 11:49:13.89 | 46 06.18 | 122 07.76 | 6.01 | 1.7 | 10/14 | 139 | 0.09 | AC | S3 | |
| 5 | 12:17:39.37 | 46 05.83 | 122 07.30 | 7.75 | 2.3 | 9/12 | 151 | 0.06 | AC | S3 | |
| 7 | 00:26:34.93 | 46 04.58 | 122 08.11 | 4.21 | 1.1 | 7/11 | 160 | 0.10 | AC | S3 | |
| 7 | 19:38:28.43 | 46 05.63 | 122 06.61 | 6.92 | 2.4 | 12/16 | 163 | 0.13 | AC | S3 | |
| 7 | 21:52:06.63 | 46 06.32 | 122 07.16 | 6.65 | 2.1 | 10/16 | 140 | 0.08 | AC | S3 | |
| 7 | 22:29:26.09 | 46 12.73 | 122 10.65 | 0.43* | 1.4 | 9/09 | 105 | 0.19 | BB | S3 | L |
| 7 | 23:42:26.41 | 46 11.97 | 122 10.95 | 6.29 | 1.0 | 8/16 | 96 | 0.07 | AB | S3 | |
| 8 | 21:04:47.99 | 46 06.45 | 122 05.61 | 11.82 | 2.0 | 14/16 | 83 | 0.16 | BA | S3 | |
| 9 | 14:00:59.75 | 46 05.93 | 122 07.37 | 7.17 | 1.0 | 10/16 | 189 | 0.10 | AD | S3 | |
| 9 | 20:04:39.17 | 46 10.43 | 122 07.36 | 9.52 | 1.4 | 15/16 | 100 | 0.24 | BB | S3 | |
| 12 | 11:01:46.04 | 46 06.41 | 122 07.16 | 6.89 | 1.2 | 7/14 | 187 | 0.05 | AD | S3 | |
| 13 | 23:10:08.69 | 46 06.29 | 122 06.87 | 6.61 | 1.1 | 5/06 | 144 | 0.05 | AD | S3 | |
| 15 | 00:29:54.92 | 46 10.36 | 122 07.44 | 9.62 | 1.9 | 13/15 | 121 | 0.16 | BB | S3 | |
| 16 | 02:45:47.57 | 46 18.56 | 122 13.08 | 3.57* | 1.2 | 11/17 | 95 | 0.07 | AB | S3 | |
| 16 | 07:56:15.77 | 46 05.41 | 122 06.29 | 7.91 | 1.2 | 10/17 | 201 | 0.13 | AD | S3 | |
| 19 | 20:42:47.80 | 46 17.66 | 122 12.88 | 3.18 | 1.0 | 12/16 | 90 | 0.06 | AB | S3 | |
| 24 | 15:41:44.26 | 46 19.71 | 122 15.32 | 2.97 | 1.1 | 10/17 | 104 | 0.14 | AB | S3 | |
| 27 | 07:21:33.00 | 46 06.15 | 122 07.09 | 7.45 | 1.7 | 10/15 | 190 | 0.07 | AD | S3 | |

**Sept 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 10:55:27.51 | 46 20.53 | 122 12.62 | 2.98$ | 1.4 | 14/20 | 72 | 0.17 | CC | S3 | |
| 4 | 22:59:33.33 | 46 18.66 | 122 13.12 | 3.58$ | 1.1 | 13/20 | 80 | 0.12 | BB | S3 | |
| 5 | 03:46:08.44 | 46 18.28 | 122 13.12 | 3.44# | 2.7 | 21/25 | 61 | 0.15 | BB | S3 | |
| 5 | 03:47:08.06 | 46 18.60 | 122 13.07 | 3.66$ | 1.2 | 12/16 | 81 | 0.14 | CB | S3 | |
| 5 | 03:51:48.96 | 46 18.54 | 122 13.09 | 5.70 | 1.0 | 10/14 | 95 | 0.07 | AB | S3 | |
| 5 | 03:55:19.98 | 46 18.49 | 122 13.01 | 3.29* | 1.7 | 12/15 | 88 | 0.07 | AB | S3 | |
| 5 | 07:05:57.46 | 46 18.56 | 122 13.10 | 2.50$ | 1.3 | 13/17 | 81 | 0.15 | CB | S3 | |
| 8 | 17:35:11.18 | 46 22.89 | 122 13.83 | 7.18 | 1.2 | 10/14 | 128 | 0.09 | AB | S3 | |
| 11 | 06:45:38.69 | 46 04.91 | 122 06.43 | 7.12 | 1.4 | 6/11 | 221 | 0.09 | AD | S3 | |
| 11 | 23:32:22.54 | 46 22.44 | 122 21.54 | 8.52 | 1.6 | 4/05 | 199 | 0.11 | CD | S3 | P |
| 12 | 07:50:05.60 | 46 09.98 | 122 09.33 | 7.73 | 1.3 | 10/14 | 135 | 0.07 | AB | S3 | |
| 28 | 14:32:09.14 | 46 10.01 | 122 08.67 | 9.11 | 1.1 | 9/10 | 88 | 0.04 | AA | S3 | |
| 28 | 21:26:17.22 | 46 12.06 | 122 11.39 | 1.44 | 1.9 | 9/09 | 71 | 0.18 | BA | S3 | L |
| 29 | 19:30:18.53 | 46 10.14 | 122 08.70 | 8.31 | 1.3 | 12/16 | 88 | 0.10 | AA | S3 | |

**Oct 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 13:37:41.23 | 46 12.04 | 122 11.56 | 1.37 | 1.8 | 9/09 | 70 | 0.16 | BA | S3 | |
| 7 | 23:13:09.34 | 46 22.95 | 122 19.87 | 1.59 | 1.2 | 10/11 | 103 | 0.17 | BB | S3 | X |
| 8 | 22:35:53.45 | 46 12.03 | 122 11.56 | 1.38 | 1.7 | 7/07 | 140 | 0.01 | AC | S3 | |
| 8 | 22:37:23.02 | 46 12.49 | 122 11.20 | 1.23 | 1.7 | 10/10 | 75 | 0.06 | AA | S3 | |
| 9 | 16:10:57.28 | 46 11.80 | 122 11.12 | 0.61 | 1.9 | 6/06 | 185 | 0.02 | AD | S3 | |
| 15 | 00:28:47.44 | 46 14.63 | 122 18.46 | 3.12 | 1.7 | 7/07 | 161 | 0.48 | CC | S3 | L |
| 16 | 12:44:02.30 | 46 12.69 | 122 11.17 | 1.04 | 1.4 | 5/05 | 237 | 0.18 | CD | S3 | |
| 16 | 12:46:34.39 | 46 11.40 | 122 11.15 | 2.56$ | 1.4 | 5/05 | 160 | 0.26 | DD | S3 | |
| 17 | 02:01:37.24 | 46 11.96 | 122 11.27 | 1.27 | 2.4 | 17/17 | 52 | 0.21 | BA | S3 | |
| 17 | 03:16:16.31 | 46 11.80 | 122 12.05 | 2.19 | 1.4 | 7/07 | 130 | 0.04 | AB | S3 | |
| 17 | 03:27:44.83 | 46 13.55 | 122 06.07 | 1.28$ | 1.4 | 7/07 | 140 | 0.44 | CC | S3 | |
| 17 | 04:04:31.91 | 46 10.55 | 122 10.01 | 2.01 | 1.1 | 4/04 | 127 | 0. | AD | S3 | |
| 17 | 04:08:45.61 | 46 12.29 | 122 11.01 | 1.27 | 2.3 | 15/15 | 66 | 0.21 | BA | S3 | |
| 17 | 04:36:40.03 | 46 12.53 | 122 11.91 | 2.18* | 1.4 | 6/06 | 154 | 0.27 | BC | S3 | |
| 17 | 04:38:21.82 | 46 12.59 | 122 11.08 | 1.25 | 1.8 | 9/09 | 82 | 0.08 | AA | S3 | |
| 17 | 04:41:59.33 | 46 11.76 | 122 12.47 | 2.67 | 2.0 | 9/09 | 86 | 0.35 | CA | S3 | |
| 17 | 04:44:22.05 | 46 15.09 | 122 10.87 | 9.26* | 1.1 | 6/06 | 284 | 0.34 | CD | S3 | |

**Oct 1980, cont'd**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 04:57:59.22 | 46 12.52 | 122 10.43 | 1.45 | 2.8 | 8/08 | 94 | 0.12 | AB | S3 | |
| 17 | 06:12:51.35 | 46 12.49 | 122 12.38 | 7.56 | 1.0 | 8/09 | 83 | 0.10 | AA | S3 | |
| 17 | 12:49:16.76 | 46 19.33 | 122 13.31 | 1.69 | 1.1 | 13/16 | 100 | 0.12 | AB | S3 | |
| 18 | 19:34:38.14 | 46 13.98 | 122 13.29 | 3.55 | 1.7 | 7/07 | 93 | 0.16 | BB | S3 | |
| 19 | 01:16:45.51 | 46 12.51 | 122 10.00 | 1.53 | 1.0 | 7/07 | 185 | 0.32 | CD | S3 | |
| 19 | 04:32:09.59 | 46 13.39 | 122 10.20 | 0.03* | 1.7 | 7/07 | 196 | 0.25 | BD | S3 | |
| 21 | 13:30:25.02 | 46 10.46 | 122 12.38 | 2.46 | 1.8 | 7/07 | 84 | 0.35 | CB | S3 | |
| 24 | 23:18:13.73 | 46 23.11 | 122 19.56 | 1.81 | 1.3 | 15/15 | 89 | 0.22 | BB | S3 | |

**Nov 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 10:52:54.71 | 46 19.88 | 122 15.64 | 2.75 | 2.1 | 18/23 | 58 | 0.17 | BB | S3 | |
| 9 | 10:57:46.79 | 46 20.07 | 122 15.69 | 2.61 | 1.3 | 12/18 | 93 | 0.13 | AB | S3 | |
| 14 | 19:07:19.80 | 46 10.22 | 122 06.81 | 8.43 | 1.1 | 12/18 | 103 | 0.10 | AB | S3 | |
| 23 | 10:31:47.35 | 46 12.46 | 122 11.54 | 1.47 | 1.4 | 6/06 | 87 | 0.03 | AC | S3 | |
| 28 | 11:45:49.16 | 46 03.76 | 122 18.66 | 15.65 | 1.2 | 12/17 | 156 | 0.12 | AC | S3 | |

**Dec 1980**

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:23:47.29 | 46 20.77 | 122 13.92 | 0.02* | 1.6 | 5/07 | 112 | 0.42 | CD | S3 | |
| 9 | 04:55:49.86 | 46 22.92 | 122 14.83 | 9.42 | 1.0 | 11/16 | 70 | 0.07 | AB | S3 | |
| 18 | 16:07:19.19 | 46 11.91 | 122 11.12 | 2.00 | 1.5 | 8/08 | 78 | 0.23 | BA | S3 | |
| 24 | 11:47:52.27 | 46 13.50 | 122 10.60 | 2.85 | 1.4 | 4/04 | 268 | 0. | AD | S3 | |
| 25 | 01:28:12.73 | 46 13.09 | 122 10.69 | 0.03* | 1.5 | 6/06 | 188 | 0.11 | AD | S3 | |
| 25 | 19:57:36.71 | 46 12.07 | 122 11.64 | 2.66 | 1.6 | 7/07 | 141 | 0.22 | BC | S3 | |
| 25 | 22:27:28.32 | 46 12.19 | 122 10.59 | 0.02* | 1.4 | 6/06 | 156 | 0.23 | BC | S3 | |
| 26 | 12:03:37.39 | 46 12.65 | 122 11.26 | 0.73 | 1.4 | 5/05 | 142 | 0. | AD | S3 | |
| 26 | 13:48:41.27 | 46 11.31 | 122 11.45 | 4.02* | 2.0 | 6/06 | 170 | 0.11 | AC | S3 | |
| 27 | 01:42:35.20 | 46 11.37 | 122 11.52 | 1.44 | 1.1 | 4/04 | 159 | 0. | AD | S3 | |
| 27 | 04:32:44.15 | 46 14.58 | 122 03.17 | 2.50 | 1.2 | 4/04 | 289 | 0. | AD | S3 | |
| 27 | 12:41:05.42 | 46 12.65 | 122 12.41 | 0.89 | 1.1 | 4/04 | 240 | 0. | AD | S3 | |
| 27 | 12:58:39.39 | 46 13.05 | 122 12.51 | 2.77 | 1.7 | 4/04 | 258 | 0. | AD | S3 | |
| 27 | 13:22:49.54 | 46 11.99 | 122 11.57 | 1.80 | 1.1 | 4/04 | 198 | 0. | AD | S3 | |
| 27 | 13:59:14.19 | 46 11.66 | 122 10.70 | 0.03* | 1.1 | 4/04 | 174 | 0.02 | AD | S3 | |
| 27 | 14:22:17.89 | 46 12.57 | 122 11.14 | 2.22 | 1.1 | 4/04 | 232 | 0. | AD | S3 | |
| 27 | 15:04:26.18 | 46 13.10 | 122 11.51 | 1.23 | 1.1 | 5/05 | 170 | 0.11 | AD | S3 | |
| 27 | 15:43:47.11 | 46 12.69 | 122 11.33 | 0.95 | 1.1 | 4/05 | 237 | 0.06 | AD | S3 | |
| 27 | 16:02:56.10 | 46 11.63 | 122 11.65 | 2.91 | 1.1 | 5/05 | 126 | 0.10 | AD | S3 | |
| 27 | 16:31:24.15 | 46 12.70 | 122 11.30 | 0.69 | 1.1 | 6/06 | 87 | 0.02 | AC | S3 | |
| 27 | 16:50:49.47 | 46 11.70 | 122 11.54 | 1.23 | 1.0 | 4/04 | 180 | 0. | AD | S3 | |
| 27 | 18:06:24.84 | 46 12.38 | 122 10.48 | 3.08 | 1.1 | 5/05 | 167 | 0.09 | AD | S3 | |
| 27 | 18:41:28.26 | 46 20.45 | 122 15.28 | 3.51 | 1.1 | 4/05 | 332 | 0.13 | CD | S3 | |
| 27 | 19:43:54.34 | 46 12.87 | 122 12.37 | 1.87 | 1.2 | 5/05 | 159 | 0.02 | AD | S3 | |
| 27 | 20:30:38.25 | 46 13.29 | 122 11.17 | 1.00 | 1.9 | 5/05 | 185 | 0.42 | CD | S3 | |
| 27 | 20:51:29.69 | 46 11.54 | 122 12.13 | 2.09 | 1.1 | 5/05 | 126 | 0.03 | AD | S3 | |
| 27 | 21:55:13.23 | 46 12.59 | 122 11.24 | 1.08 | 1.3 | 10/10 | 77 | 0.12 | AA | S3 | |
| 27 | 22:10:52.05 | 46 12.02 | 122 11.63 | 1.76 | 1.1 | 5/05 | 139 | 0.08 | AD | S3 | |
| 27 | 23:01:27.73 | 46 11.14 | 122 10.84 | 0.04* | 1.3 | 4/04 | 141 | 0.01 | AD | S3 | |
| 27 | 23:21:55.34 | 46 12.60 | 122 10.72 | 2.14 | 1.1 | 4/04 | 236 | 0. | AD | S3 | |
| 28 | 00:17:24.51 | 46 12.39 | 122 11.76 | 1.79 | 1.1 | 4/04 | 222 | 0. | AD | S3 | |
| 28 | 00:41:49.48 | 46 13.12 | 122 11.90 | 3.58 | 1.1 | 5/05 | 171 | 0.17 | BD | S3 | |
| 28 | 01:01:20.08 | 46 12.60 | 122 11.49 | 1.39 | 1.1 | 4/04 | 232 | 0. | AD | S3 | |
| 28 | 01:21:22.21 | 46 12.46 | 122 11.31 | 1.35 | 1.2 | 6/06 | 87 | 0.14 | AC | S3 | |
| 28 | 02:12:37.12 | 46 20.95 | 122 14.82 | 2.43$ | 1.1 | 4/05 | 331 | 1.05 | DD | S3 | |
| 28 | 03:20:16.81 | 46 11.87 | 122 11.73 | 2.38 | 1.2 | 5/05 | 134 | 0.09 | AD | S3 | |
| 28 | 03:30:18.54 | 46 12.39 | 122 11.25 | 1.30 | 1.4 | 9/09 | 81 | 0.06 | AA | S3 | |
| 28 | 03:43:04.31 | 46 14.44 | 122 10.20 | 1.81$ | 1.1 | 5/06 | 207 | 0.37 | CD | S3 | |
| 28 | 04:05:51.94 | 46 12.75 | 122 11.28 | 0.70 | 1.3 | 5/05 | 168 | 0.04 | AD | S3 | |
| 28 | 06:09:44.39 | 46 14.70 | 122 10.45 | 1.42 | 1.3 | 5/06 | 208 | 0.44 | CD | S3 | |
| 28 | 06:53:31.88 | 46 12.65 | 122 11.23 | 0.60 | 1.2 | 5/05 | 166 | 0.01 | AD | S3 | |
| 28 | 07:19:52.28 | 46 12.65 | 122 12.78 | 3.11 | 1.1 | 6/06 | 95 | 0.24 | BC | S3 | |
| 28 | 07:36:53.74 | 46 12.07 | 122 11.68 | 1.58 | 1.3 | 5/05 | 141 | 0.01 | AD | S3 | |
| 28 | 07:51:18.12 | 46 14.60 | 122 11.90 | 0.85$ | 1.1 | 5/05 | 198 | 0.60 | DD | S3 | |
| 28 | 08:17:59.02 | 46 14.56 | 122 11.55 | 0.79 | 1.2 | 4/04 | 290 | 0. | AD | S3 | |
| 28 | 08:32:08.08 | 46 14.11 | 122 10.65 | 1.50$ | 1.2 | 5/06 | 201 | 0.48 | CD | S3 | |
| 28 | 08:51:00.50 | 46 12.93 | 122 11.88 | 0.49 | 1.4 | 5/05 | 166 | 0.01 | AD | S3 | |

Dec 1980, cont'd

| DAY | TIME | LAT | LON | DEPTH | M | NS/NP | GAP | RMS | Q | MOD | TYP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 09:46:55.78 | 46 12.31 | 122 11.60 | 1.56 | 1.3 | 5/05 | 150 | 0.03 | AD | S3 | |
| 28 | 10:03:39.39 | 46 11.93 | 122 11.64 | 2.20 | 2.7 | 12/12 | 99 | 0.29 | BB | S3 | |
| 28 | 11:42:42.58 | 46 14.78 | 122 11.78 | 0.10 | 1.1 | 4/04 | 294 | 0. | AD | S3 | |
| 28 | 14:22:49.09 | 46 13.63 | 122 11.62 | 1.03 | 1.1 | 5/05 | 187 | 0.09 | AD | S3 | |
| 28 | 15:58:49.87 | 46 14.92 | 122 09.97 | 1.07$ | 1.1 | 5/06 | 212 | 0.40 | CD | S3 | |
| 28 | 17:04:03.22 | 46 12.37 | 122 11.16 | 2.89 | 1.3 | 4/04 | 221 | 0. | AD | S3 | |
| 28 | 17:25:21.66 | 46 11.02 | 122 11.25 | 0.03* | 1.1 | 5/05 | 137 | 0.17 | BD | S3 | |
| 28 | 17:45:01.83 | 46 11.83 | 122 08.68 | 3.20 | 1.1 | 5/05 | 191 | 0.16 | BD | S3 | |
| 28 | 18:55:57.13 | 46 12.44 | 122 11.34 | 1.81 | 1.8 | 11/11 | 67 | 0.14 | AA | S3 | |
| 28 | 19:33:21.35 | 46 13.18 | 122 12.09 | 6.14 | 1.1 | 4/04 | 260 | 0. | AD | S3 | |
| 29 | 00:52:24.23 | 46 12.60 | 122 11.57 | 1.36 | 1.1 | 4/04 | 232 | 0. | AD | S3 | |
| 29 | 03:05:23.34 | 46 12.18 | 122 11.76 | 0.76 | 1.4 | 7/07 | 144 | 0.08 | AC | S3 | |
| 29 | 03:22:02.99 | 46 09.82 | 122 12.89 | 0.51 | 2.3 | 7/07 | 97 | 0.24 | BB | S3 | L |
| 29 | 07:43:35.16 | 46 12.21 | 122 11.08 | 1.37 | 1.4 | 10/10 | 72 | 0.27 | BA | S3 | |
| 29 | 13:35:53.55 | 46 14.07 | 122 11.66 | 0.99* | 1.7 | 9/09 | 92 | 0.23 | BB | S3 | |
| 29 | 15:19:50.70 | 46 12.50 | 122 11.11 | 2.01 | 1.2 | 9/09 | 76 | 0.08 | AA | S3 | |
| 31 | 13:11:57.37 | 46 11.19 | 122 11.42 | 2.46 | 1.2 | 4/04 | 148 | 0. | AD | S3 | |
| 31 | 16:19:46.64 | 46 11.59 | 122 12.62 | 3.09* | 1.2 | 5/05 | 128 | 0.25 | BD | S3 | |

# APPENDIX III

## Catalog of Mount St. Helens Earthquakes, M≥3

with comparison of magnitudes - March 20 to May 21, 1980

| Dat | Time | ty | NEW | MSO | DUR | s |
|---|---|---|---|---|---|---|
| 320 | 2348 | h | 4.1 | 4.1 | 4.2 | 2 |
| 322 | 2223 | h | 3.5 | 3.5 | 4.0 | 2 |
| 323 | 1524 | | | 3.1 | | M |
| 324 | 2157 | h | 4.2 | 4.2 | 4.4 | 2 |
| 325 | 0408 | h | 3.4 | 3.3 | 3.8 | 2 |
| 325 | 0709 | h | 3.4 | 3.4 | 4.0 | 2 |
| 325 | 1343 | h | 3.3 | 3.4 | 3.8 | 2 |
| 325 | 1617 | h | 3.0 | 2.6 | 3.5 | 2 |
| 325 | 1719 | h | 3.5 | 3.5 | 3.8 | 2 |
| 325 | 1917 | | 3.1 | | 3.3 | w |
| 325 | 1956 | | 3.1 | 3.0 | 3.4 | 2 |
| 325 | 2151 | | 3.4 | 3.5 | 4.1 | 2 |
| 325 | 2215 | | 3.0 | 2.9 | 3.5 | 2 |
| 325 | 2222 | | 3.4 | 3.2 | 3.8 | 2 |
| 325 | 2254 | | 3.7 | 3.6 | 4.3 | 2 |
| 325 | 2304 | | 3.0 | 3.1 | 3.5 | 2 |
| 325 | 2327 | | 3.2 | 3.0 | 3.6 | 2 |
| 325 | 2344 | | 3.1 | 2.9 | 3.8 | 2 |
| 326 | 0003 | | 2.9 | 3.1 | | 2 |
| 326 | 0013 | | 3.2 | 3.0 | 3.8 | 2 |
| 326 | 0107 | | 3.5 | 3.6 | 4.0 | 2 |
| 326 | 0116 | | 3.2 | 3.2 | 3.8 | 2 |
| 326 | 0138 | | 3.0 | 3.1 | 3.7 | 2 |
| 326 | 0154 | | 3.0 | 2.9 | 3.7 | 2 |
| 326 | 0204 | | 3.8 | 4.0 | 4.4 | 2 |
| 326 | 0226 | | 3.0 | 2.9 | 3.7 | 2 |
| 326 | 0237 | | 3.5 | 3.4 | 4.1 | 2 |
| 326 | 0302 | | 3.0 | 2.9 | 3.9 | 2 |
| 326 | 0307 | | 3.3 | 3.0 | 3.5 | 2 |
| 326 | 0314 | | 3.0 | 2.9 | 3.5 | 2 |
| 326 | 0330 | | 3.0 | | 2.9 | w |
| 326 | 0334 | | 3.1 | | 3.5 | w |
| 326 | 0337 | | 3.5 | 3.5 | 3.7 | 2 |
| 326 | 0351 | | 3.0 | | 2.9 | w |
| 326 | 0411 | | 3.1 | 3.2 | 3.5 | 2 |
| 326 | 0415 | | 3.7 | 3.7 | 3.7 | 2 |
| 326 | 0443 | | 3.2 | 3.0 | 3.8 | 2 |
| 326 | 0447 | | 3.0 | | 3.6 | w |
| 326 | 0501 | | 3.6 | 3.8 | 4.3 | 2 |
| 326 | 0514 | | 3.2 | | 4.1 | w |
| 326 | 0531 | | 3.3 | | 4.2 | w |
| 326 | 0557 | | 3.1 | 2.9 | 3.7 | 2 |
| 326 | 0615 | | 3.0 | 3.0 | 3.6 | 2 |
| 326 | 0630 | | 3.1 | | 3.6 | w |
| 326 | 0639 | | 3.0 | 3.0 | 3.6 | 2 |
| 326 | 0646 | | 3.3 | 3.2 | 4.0 | 2 |
| 326 | 0706 | | 3.2 | | 3.8 | w |
| 326 | 0718 | | 3.5 | 3.5 | 4.1 | 2 |
| 326 | 0757 | | 3.2 | 3.1 | 3.8 | 2 |
| 326 | 0810 | | 3.1 | 3.0 | 3.8 | 2 |
| 326 | 0837 | | 3.1 | | 3.5 | w |
| 326 | 0911 | | 3.5 | 3.6 | 4.1 | 2 |
| 326 | 0941 | | 3.4 | 3.5 | 4.1 | 2 |
| 326 | 0945 | | 3.8 | 4.1 | 4.4 | 2 |
| 326 | 1024 | | 3.1 | 3.0 | 3.8 | 2 |
| 326 | 1056 | | 3.2 | 3.1 | 3.9 | 2 |
| 326 | 1123 | | 3.4 | 3.4 | 4.0 | 2 |
| 326 | 1156 | | 3.0 | | 3.6 | w |
| 326 | 1213 | | 3.1 | | 3.0 | w |
| 326 | 1240 | | 3.1 | 2.9 | 3.8 | 2 |
| 326 | 1309 | | 3.4 | 3.3 | 3.7 | 2 |
| 326 | 1343 | | 3.2 | 3.1 | 3.6 | 2 |
| 326 | 1418 | | 3.1 | 3.1 | 3.9 | 2 |
| 326 | 1434 | | 3.3 | 3.0 | 3.7 | 2 |
| 326 | 1448 | | 3.3 | 3.0 | 4.1 | 2 |
| 326 | 1554 | h | 3.2 | 3.0 | 3.6 | 2 |
| 326 | 1601 | h | 3.2 | 3.0 | 3.7 | 2 |
| 326 | 1610 | h | 3.4 | 3.3 | 3.9 | 2 |
| 326 | 1613 | l | 3.4 | | 3.8 | w |
| 326 | 1708 | h | 4.0 | 3.6 | 4.4 | 2 |
| 326 | 1903 | l | 3.3 | 3.1 | 3.9 | 2 |
| 326 | 1946 | l | 3.0 | | | w |
| 326 | 2028 | h | 3.3 | 3.1 | 3.7 | 2 |
| 326 | 2037 | h | 3.7 | 3.3 | 4.0 | 2 |
| 326 | 2110 | l | 3.0 | | 3.4 | w |
| 326 | 2211 | l | 3.1 | | 3.2 | w |
| 326 | 2221 | h | 3.3 | | 3.5 | w |
| 326 | 2358 | h | 3.1 | 3.1 | 3.2 | 2 |
| 327 | 0336 | l | 3.0 | | 3.2 | w |
| 327 | 0341 | h | 3.9 | 3.8 | 4.2 | 2 |
| 327 | 0349 | h | | 3.7 | | 2 |
| 327 | 0427 | l | 3.4 | 3.5 | 4.0 | 2 |
| 327 | 0531 | h | 3.4 | 3.3 | 3.9 | 2 |
| 327 | 0634 | h | 3.8 | 3.7 | 4.3 | 2 |
| 327 | 0740 | h | 3.4 | 3.1 | 4.0 | 2 |
| 327 | 0959 | l | 3.0 | | 3.1 | w |
| 327 | 1041 | l | 3.3 | 3.3 | 3.9 | 2 |
| 327 | 1147 | l | 3.0 | 2.9 | 3.6 | 2 |
| 327 | 1234 | l | 3.4 | 3.3 | 3.9 | 2 |
| 327 | 1456 | h | 3.9 | 4.1 | 4.3 | 2 |
| 327 | 1556 | h | 3.6 | | 4.0 | w |
| 327 | 1656 | | | 3.5 | | M |
| 327 | 1747 | h | 3.0 | | 3.1 | w |
| 327 | 1856 | h | 3.6 | 3.6 | 4.0 | 2 |
| 327 | 1934 | h | 3.0 | | 3.2 | w |
| 327 | 2017 | l | 3.8 | 3.8 | 4.3 | 2 |
| 327 | 2106 | h | 3.3 | 3.3 | 3.9 | 2 |
| 327 | 2201 | h | 4.5 | 4.7 | 4.7 | 2 |
| 327 | 2341 | l | 3.2 | 3.3 | 4.0 | 2 |
| 328 | 0035 | h | 3.1 | | 3.8 | w |
| 328 | 0053 | h | 3.3 | 3.0 | 3.2 | 2 |
| 328 | 0152 | l | 3.7 | 3.7 | 4.3 | 2 |
| 328 | 0336 | h | 3.1 | 3.5 | 4.0 | 2 |
| 328 | 0521 | h | 3.1 | 3.3 | | 2 |
| 328 | 0524 | h | 3.4 | 3.4 | 3.7 | 2 |
| 328 | 0555 | l | 3.0 | | 3.1 | w |
| 328 | 0648 | l | 3.2 | 3.0 | 2.8 | 2 |
| 328 | 0808 | l | 3.1 | 3.0 | 3.2 | 2 |
| 328 | 0818 | l | 3.0 | | 2.7 | w |
| 328 | 0829 | h | 4.2 | 4.5 | 4.9 | 2 |
| 328 | 0917 | l | 3.0 | | 3.1 | w |
| 328 | 1001 | l | 3.1 | | 3.6 | w |
| 328 | 1005 | l | 3.0 | | 3.9 | w |
| 328 | 1037 | l | 3.4 | 3.4 | 3.6 | 2 |
| 328 | 1047 | l | 3.0 | | 3.1 | w |
| 328 | 1204 | h | 3.0 | 2.9 | 3.2 | 2 |
| 328 | 1252 | h | 3.6 | 3.7 | 4.4 | 2 |
| 328 | 1400 | h | 3.7 | 3.8 | 4.1 | 2 |
| 328 | 1427 | l | 3.0 | | 3.4 | w |
| 328 | 1508 | h | 3.3 | 3.0 | 3.1 | 2 |
| 328 | 1519 | h | 3.6 | 3.4 | 4.0 | 2 |
| 328 | 1823 | l | 3.1 | 3.0 | 3.6 | 2 |
| 328 | 2246 | l | 3.0 | 3.0 | 3.2 | 2 |
| 328 | 2252 | h | 3.7 | 4.0 | 4.3 | 2 |
| 328 | 2351 | h | 3.6 | 3.5 | 4.1 | 2 |
| 329 | 0154 | l | 3.4 | 3.4 | 3.6 | 2 |
| 329 | 0349 | l | 3.2 | | 3.2 | w |
| 329 | 0549 | h | 3.8 | 4.0 | 4.4 | 2 |
| 329 | 0836 | h | 3.8 | 3.9 | 4.4 | 2 |
| 329 | 0946 | l | 3.2 | 3.2 | 3.2 | 2 |
| 329 | 1014 | l | 3.0 | | 3.2 | w |
| 329 | 1035 | h | 3.5 | 3.5 | 4.3 | 2 |
| 329 | 1044 | l | 3.3 | 3.0 | 3.8 | 2 |
| 329 | 1059 | l | 3.2 | | 2.9 | w |
| 329 | 1146 | h | 3.5 | 3.4 | 3.5 | 2 |
| 329 | 1153 | h | 4.0 | 3.9 | 4.4 | 2 |
| 329 | 1254 | l | 3.0 | | 3.2 | w |
| 329 | 1302 | h | 3.7 | 3.7 | 4.3 | 2 |
| 329 | 1313 | l | 3.2 | 3.0 | 3.2 | 2 |
| 329 | 1412 | l | 3.1 | | 3.4 | w |
| 329 | 1446 | | 3.1 | | 3.3 | w |
| 329 | 1456 | h | 3.2 | 2.6 | | 2 |
| 329 | 1506 | l | 3.8 | 3.4 | 4.5 | 2 |
| 329 | 1536 | h | 4.2 | 4.2 | 4.4 | 2 |
| 329 | 1652 | | 3.0 | 2.9 | 4.0 | 2 |
| 329 | 1841 | l | 3.0 | | 3.2 | w |
| 329 | 1857 | l | 3.1 | | 3.3 | w |
| 329 | 1902 | h | 3.4 | 3.5 | 4.0 | 2 |
| 329 | 2020 | l | 3.0 | | 3.2 | w |
| 329 | 2056 | h | 4.0 | 4.0 | 4.4 | 2 |
| 329 | 2321 | h | 3.9 | 4.0 | 4.3 | 2 |
| 330 | 0257 | h | 3.8 | 4.0 | 4.3 | 2 |
| 330 | 0355 | h | 3.9 | 4.0 | 4.4 | 2 |
| 330 | 0537 | l | 3.1 | | 3.5 | w |
| 330 | 0743 | h | 3.8 | 3.9 | 4.1 | 2 |
| 330 | 0917 | h | 4.2 | 4.3 | 4.5 | 2 |
| 330 | 1036 | h | 3.0 | 3.0 | 3.6 | 2 |
| 330 | 1128 | l | 3.0 | | 3.5 | w |
| 330 | 1241 | h | 3.7 | 3.7 | 4.2 | 2 |
| 330 | 1333 | h | 4.2 | 4.2 | 4.6 | 2 |
| 330 | 1556 | l | 3.3 | 3.1 | 3.9 | 2 |
| 330 | 1727 | l | 3.0 | | 3.5 | w |
| 330 | 1756 | h | 4.4 | 4.5 | 4.6 | 2 |
| 330 | 2104 | | 3.0 | | 3.4 | w |
| 330 | 2207 | l | 3.1 | | 3.6 | w |
| 330 | 2244 | l | 3.1 | | 3.3 | w |
| 330 | 2248 | h | 4.2 | 4.4 | 4.7 | 2 |
| 331 | 0151 | l | 3.0 | | 3.4 | w |
| 331 | 0245 | h | 4.1 | 4.0 | 4.5 | 2 |
| 331 | 0251 | l | 3.1 | | 3.4 | w |
| 331 | 0433 | l | 3.0 | | 3.3 | w |
| 331 | 0514 | l | 3.3 | | 4.1 | w |
| 331 | 0551 | | | 3.3 | | M |
| 331 | 0601 | l | 3.1 | | 3.2 | w |
| 331 | 0721 | h | 3.3 | | 3.3 | w |
| 331 | 0750 | h | 4.4 | 4.6 | 4.7 | 2 |
| 331 | 0814 | h | 4.1 | 4.1 | 4.2 | 2 |
| 331 | 1054 | l | 3.2 | 3.4 | 3.5 | 2 |
| 331 | 1135 | h | 4.4 | 4.3 | 4.6 | 2 |
| 331 | 1223 | l | 3.0 | | 3.4 | w |
| 331 | 1346 | | 3.0 | | 3.7 | w |
| 331 | 1450 | h | 4.3 | 4.1 | 4.5 | 2 |
| 331 | 1826 | l | 3.1 | | 3.4 | w |
| 331 | 1912 | l | 3.0 | | 3.9 | w |
| 331 | 1930 | h | 3.8 | 3.9 | 4.2 | 2 |
| 331 | 1938 | h | 3.9 | 4.0 | 4.1 | 2 |
| 331 | 2151 | l | 3.1 | | 3.3 | w |
| 331 | 2215 | l | 3.0 | | 3.2 | w |
| 331 | 2301 | l | 3.1 | | 3.3 | w |
| 331 | 2332 | l | 3.1 | | 3.7 | w |
| 331 | 2347 | h | 2.4 | 3.1 | 3.2 | 2 |
| 401 | 0227 | l | 3.3 | 3.5 | 2.9 | 2 |
| 401 | 0425 | h | 4.7 | 4.7 | 4.9 | 2 |
| 401 | 0559 | l | 3.1 | | 3.4 | w |
| 401 | 0855 | h | 4.5 | 4.5 | 4.9 | 2 |

| Dat | Time | ty | NEW | MSO | DUR | s |
|---|---|---|---|---|---|---|
| 401 | 1227 | | 3.0 | 3.0 | 3.5 | 2 |
| 401 | 1231 | h | 4.6 | 4.6 | 4.9 | 2 |
| 401 | 1256 | l | 2.9 | 3.0 | 3.2 | 2 |
| 401 | 1851 | l | 3.0 | | 3.6 | w |
| 401 | 2039 | h | 3.2 | 3.4 | 3.6 | 2 |
| 401 | 2101 | l | 3.0 | | 3.5 | w |
| 401 | 2311 | l | 3.1 | | 3.5 | w |
| 401 | 2315 | h | 4.6 | 4.7 | 4.9 | 2 |
| 402 | 0513 | l | 3.1 | 3.3 | 4.0 | 2 |
| 402 | 0649 | l | 3.1 | | 3.6 | w |
| 402 | 0938 | h | 4.7 | 4.7 | 4.9 | 2 |
| 402 | 1355 | l | 3.4 | 3.4 | 3.5 | 2 |
| 402 | 1546 | l | 3.1 | | 3.7 | w |
| 402 | 1604 | h | 3.5 | 3.5 | 4.1 | 2 |
| 402 | 1849 | h | 4.1 | 4.2 | 4.6 | 2 |
| 402 | 1850 | h | 4.1 | | | w |
| 402 | 1907 | l | 3.0 | | 3.6 | w |
| 402 | 2156 | | 3.2 | | 4.0 | w |
| 403 | 0112 | h | 3.1 | | | w |
| 403 | 0244 | h | 4.4 | 4.5 | 4.8 | 2 |
| 403 | 0724 | l | 3.1 | | 3.4 | w |
| 403 | 0827 | l | 3.2 | | 3.6 | w |
| 403 | 0936 | h | 4.8 | 4.9 | 5.1 | 2 |
| 403 | 1216 | l | 3.0 | | 3.7 | w |
| 403 | 1531 | h | 3.7 | 3.9 | 4.3 | 2 |
| 403 | 2153 | h | 3.6 | | 4.0 | w |
| 403 | 2228 | | 3.0 | | 3.7 | w |
| 403 | 2358 | h | 4.5 | 4.8 | | 2 |
| 404 | 0515 | l | 3.2 | | 3.8 | w |
| 404 | 0913 | l | 3.0 | | 3.8 | w |
| 404 | 0943 | l | 3.8 | 4.0 | 4.3 | 2 |
| 404 | 0950 | h | 3.6 | 3.5 | 4.0 | 2 |
| 404 | 1202 | h | 3.3 | | 3.8 | w |
| 404 | 1232 | l | 3.0 | | 3.5 | w |
| 404 | 1238 | h | 3.0 | | 3.4 | w |
| 404 | 1346 | h | 4.5 | 4.5 | 4.9 | 2 |
| 404 | 1625 | | 3.0 | | 3.9 | w |
| 404 | 1631 | | 3.0 | | 3.5 | w |
| 404 | 1733 | | 3.0 | | 3.5 | w |
| 404 | 1850 | l | 3.0 | | 3.9 | w |
| 404 | 1855 | l | 3.0 | | 3.5 | w |
| 404 | 2137 | l | 3.1 | | 3.5 | w |
| 404 | 2141 | h | 4.4 | 4.3 | 4.9 | 2 |
| 404 | 2207 | | 3.0 | | | w |
| 405 | 0048 | l | 2.9 | 3.1 | 3.6 | 2 |
| 405 | 0110 | l | 3.0 | 3.0 | 3.6 | 2 |
| 405 | 0210 | h | 3.4 | 3.4 | 3.9 | 2 |
| 405 | 0221 | l | 2.9 | 3.0 | 3.7 | 2 |
| 405 | 0241 | | 3.0 | | | w |
| 405 | 0242 | h | 3.2 | | 3.6 | w |
| 405 | 0327 | l | 3.0 | | 3.1 | w |
| 405 | 0640 | l | 3.7 | 3.5 | 4.3 | 2 |
| 405 | 0718 | l | 3.0 | | 3.6 | w |
| 405 | 0744 | l | 3.0 | | 3.5 | w |
| 405 | 0816 | l | 3.0 | | 3.6 | w |
| 405 | 0850 | l | 3.9 | 4.0 | 4.4 | 2 |
| 405 | 0901 | l | 3.0 | | 3.4 | w |
| 405 | 0937 | l | 3.3 | | 3.8 | w |
| 405 | 1027 | h | 3.4 | | 3.7 | w |
| 405 | 1049 | l | 3.0 | | 3.6 | w |
| 405 | 1059 | l | 3.6 | 3.4 | 4.1 | 2 |
| 405 | 1158 | | 3.2 | 3.4 | 4.0 | 2 |
| 405 | 1223 | l | 3.0 | | 3.5 | w |
| 405 | 1249 | l | 3.0 | | 3.5 | w |
| 405 | 1311 | | 3.0 | | | w |
| 405 | 1348 | l | 3.8 | 3.9 | 4.5 | 2 |
| 405 | 1445 | l | 3.1 | | 3.7 | w |
| 405 | 1542 | l | 3.0 | | 3.6 | w |
| 405 | 1643 | h | 4.5 | 4.6 | 4.7 | 2 |
| 405 | 1735 | l | 3.0 | 3.0 | 3.5 | 2 |
| 405 | 1805 | l | 3.0 | | | w |
| 405 | 1914 | l | 3.1 | 3.0 | 3.5 | 2 |
| 405 | 2022 | l | 3.1 | 3.0 | 3.6 | 2 |
| 405 | 2037 | l | 3.1 | | 3.5 | w |
| 405 | 2057 | h | 3.0 | | 3.5 | w |
| 405 | 2235 | l | 3.0 | | 3.4 | w |
| 405 | 2241 | l | 3.4 | 3.1 | 3.6 | 2 |
| 405 | 2357 | l | 3.6 | 3.4 | 3.9 | 2 |
| 406 | 0004 | l | 3.2 | | 3.5 | w |
| 406 | 0128 | | 3.0 | | 3.6 | w |
| 406 | 0206 | l | 3.2 | 3.0 | 3.5 | 2 |
| 406 | 0232 | l | 3.1 | 2.9 | 3.5 | 2 |
| 406 | 0301 | l | 3.1 | 2.9 | 2.8 | 2 |
| 406 | 0347 | l | 3.1 | | 3.2 | w |
| 406 | 0432 | h | 3.2 | | 3.6 | w |
| 406 | 0519 | l | 3.1 | | 3.5 | w |
| 406 | 0558 | l | 3.1 | 3.0 | | 2 |
| 406 | 0642 | l | 3.1 | | 3.5 | w |
| 406 | 0659 | h | 4.7 | 4.7 | 5.1 | 2 |
| 406 | 0721 | l | 3.2 | 3.1 | 3.3 | 2 |
| 406 | 0737 | h | 3.0 | | 3.2 | w |
| 406 | 0804 | l | 3.1 | | 3.3 | w |
| 406 | 0940 | l | 3.2 | 3.1 | 3.5 | 2 |
| 406 | 0947 | l | 3.2 | | 3.3 | w |
| 406 | 1004 | l | 3.1 | | 3.4 | w |
| 406 | 1040 | l | 3.5 | | 3.4 | w |
| 406 | 1109 | l | 3.2 | | 3.2 | w |
| 406 | 1154 | l | 3.1 | | 3.3 | w |
| 406 | 1222 | l | 3.1 | | 3.4 | w |
| 406 | 1351 | l | 3.1 | | 3.2 | w |
| 406 | 1428 | l | 3.2 | 3.1 | 3.5 | 2 |
| 406 | 1501 | l | 3.4 | 3.3 | 3.9 | 2 |
| 406 | 1554 | l | 3.0 | | 3.3 | w |
| 406 | 1717 | | 3.2 | 3.3 | 3.8 | 2 |
| 406 | 1719 | l | 3.6 | 3.3 | 4.0 | 2 |
| 406 | 1750 | l | 3.2 | | 3.3 | w |
| 406 | 1753 | | 3.1 | | | w |
| 406 | 1809 | l | 3.1 | | 3.1 | w |
| 406 | 1847 | l | 3.1 | | 3.2 | w |
| 406 | 1909 | l | 3.1 | | 3.3 | w |
| 406 | 1939 | l | 3.1 | | 3.1 | w |
| 406 | 2020 | l | 3.2 | 3.1 | 3.2 | 2 |
| 406 | 2027 | l | 3.6 | 3.5 | 4.1 | 2 |
| 406 | 2045 | l | 3.1 | | 3.4 | w |
| 406 | 2115 | l | 3.0 | | 3.1 | w |
| 406 | 2242 | l | 3.2 | 3.1 | 3.7 | 2 |
| 406 | 2318 | l | 3.1 | | 3.4 | w |
| 406 | 2324 | l | 3.4 | 3.5 | 4.0 | 2 |
| 406 | 2327 | l | 3.7 | 3.9 | 4.4 | 2 |
| 406 | 2353 | | 3.1 | | 3.5 | w |
| 407 | 0024 | l | 3.1 | | 3.4 | w |
| 407 | 0135 | h | 3.3 | 3.2 | 3.6 | 2 |
| 407 | 0155 | l | 3.5 | 3.4 | 3.9 | 2 |
| 407 | 0158 | l | 3.5 | 3.5 | 4.1 | 2 |
| 407 | 0218 | l | 3.2 | | 3.3 | w |
| 407 | 0308 | l | 3.2 | 3.4 | 3.5 | 2 |
| 407 | 0353 | l | 3.4 | 3.3 | 3.8 | 2 |
| 407 | 0402 | h | 3.2 | | 3.5 | w |
| 407 | 0451 | l | 3.4 | 3.4 | 3.8 | 2 |
| 407 | 0453 | l | 3.5 | | 4.0 | w |
| 407 | 0538 | l | 3.1 | | 3.5 | w |
| 407 | 0606 | l | 3.2 | 3.4 | 3.5 | 2 |
| 407 | 0643 | l | 3.2 | | 3.5 | w |
| 407 | 0646 | h | 4.5 | 4.5 | 4.8 | 2 |
| 407 | 0701 | h | 3.1 | | | w |
| 407 | 0806 | l | 3.2 | 3.1 | 3.6 | 2 |
| 407 | 0835 | l | 3.1 | | 3.4 | w |
| 407 | 0907 | | 3.1 | 3.1 | 3.5 | 2 |
| 407 | 0932 | l | 3.1 | | 3.5 | w |
| 407 | 0943 | l | 3.2 | 3.3 | 3.9 | 2 |
| 407 | 1013 | l | 3.2 | | 3.5 | w |
| 407 | 1030 | l | 3.2 | 3.3 | 3.5 | 2 |
| 407 | 1133 | l | 3.3 | 3.4 | 3.8 | 2 |
| 407 | 1152 | l | 3.3 | 3.1 | 3.7 | 2 |
| 407 | 1218 | l | 3.3 | 3.3 | 3.5 | 2 |
| 407 | 1310 | l | 3.2 | 3.3 | 3.6 | 2 |
| 407 | 1344 | l | 3.1 | | 3.3 | w |
| 407 | 1435 | l | 3.2 | | 3.4 | w |
| 407 | 1506 | h | 4.7 | 5.0 | 5.1 | 2 |
| 407 | 1518 | l | 3.1 | 3.1 | 3.4 | 2 |
| 407 | 1533 | l | 3.1 | | 3.5 | w |
| 407 | 1625 | l | 3.2 | 3.4 | 3.6 | 2 |
| 407 | 1722 | l | 3.1 | 3.0 | 3.5 | 2 |
| 407 | 1751 | l | 3.1 | | 3.3 | w |
| 407 | 1827 | l | 3.1 | | 3.4 | w |
| 407 | 1940 | | 3.1 | 3.2 | 3.7 | 2 |
| 407 | 1941 | l | 3.6 | 3.6 | 3.8 | 2 |
| 407 | 2033 | l | 3.1 | 3.2 | 3.6 | 2 |
| 407 | 2116 | h | 3.2 | 3.2 | 3.6 | 2 |
| 407 | 2148 | l | 3.2 | 3.2 | 3.7 | 2 |
| 407 | 2251 | l | 3.4 | 3.4 | 3.8 | 2 |
| 407 | 2311 | l | 3.3 | 3.4 | 3.7 | 2 |
| 407 | 2349 | l | 2.9 | 3.0 | 3.5 | 2 |
| 408 | 0036 | | 3.0 | 3.4 | 3.6 | 2 |
| 408 | 0141 | l | 3.2 | 3.1 | 3.5 | 2 |
| 408 | 0219 | l | 3.5 | | 4.0 | w |
| 408 | 0307 | l | 3.2 | 3.2 | 3.5 | 2 |
| 408 | 0352 | l | 3.1 | 3.2 | 3.6 | 2 |
| 408 | 0435 | l | 3.1 | | 3.5 | w |
| 408 | 0448 | h | 3.8 | 3.7 | 4.1 | 2 |
| 408 | 0608 | h | 4.5 | 4.5 | 4.8 | 2 |
| 408 | 0726 | l | 3.5 | 3.3 | 3.2 | 2 |
| 408 | 0749 | l | 3.1 | 3.2 | 3.6 | 2 |
| 408 | 0913 | l | 3.1 | | 3.4 | w |
| 408 | 1042 | l | 3.2 | 3.3 | 3.7 | 2 |
| 408 | 1230 | l | 3.2 | 3.2 | 3.7 | 2 |
| 408 | 1342 | l | 3.2 | | 3.7 | w |
| 408 | 1343 | l | 3.5 | | 4.1 | w |
| 408 | 1439 | | | 3.4 | | M |
| 408 | 1548 | l | 3.5 | 3.4 | 3.9 | 2 |
| 408 | 1630 | | 2.9 | 3.2 | 3.3 | 2 |
| 408 | 1709 | | 3.2 | 3.2 | 3.7 | 2 |
| 408 | 1745 | l | 3.1 | 3.2 | 3.4 | 2 |
| 408 | 1838 | l | 3.1 | 3.4 | 3.5 | 2 |
| 408 | 1930 | h | 4.4 | 4.4 | 5.1 | 2 |
| 408 | 1958 | l | 3.1 | 3.5 | 3.7 | 2 |
| 408 | 2039 | l | 3.1 | | 3.2 | w |
| 408 | 2122 | l | 3.1 | | 3.3 | w |
| 408 | 2211 | l | 3.4 | 3.5 | 4.2 | 2 |
| 408 | 2214 | h | 4.2 | 4.0 | 4.4 | 2 |
| 408 | 2233 | l | 3.0 | | 3.8 | w |
| 409 | 0000 | l | 3.2 | 3.5 | 3.8 | 2 |
| 409 | 0053 | l | 3.2 | 3.5 | 3.5 | 2 |
| 409 | 0125 | l | 3.0 | | 3.3 | w |
| 409 | 0227 | l | 3.2 | 3.2 | 3.5 | 2 |

| Dat | Time | ty | NEW | MSO | DUR | s |
|---|---|---|---|---|---|---|
| 409 | 0326 | l | 3.2 | 3.4 | 3.8 | 2 |
| 409 | 0330 | l | 3.4 | 3.4 | 3.8 | 2 |
| 409 | 0416 | l | 3.2 | 3.3 | 3.5 | 2 |
| 409 | 0454 | l | 3.1 | 3.2 | 3.4 | 2 |
| 409 | 0532 | l | 3.1 | | 3.4 | w |
| 409 | 0541 | l | 3.2 | 3.5 | 3.8 | 2 |
| 409 | 0620 | l | 3.2 | 3.1 | 3.3 | 2 |
| 409 | 0701 | l | 3.1 | 3.1 | 3.5 | 2 |
| 409 | 0705 | l | 3.3 | 3.2 | 3.8 | 2 |
| 409 | 0741 | | 3.1 | | | w |
| 409 | 0902 | h | 4.2 | 4.0 | 4.5 | 2 |
| 409 | 0929 | l | 3.1 | 3.2 | 3.5 | 2 |
| 409 | 1014 | l | 4.5 | 4.5 | 4.7 | 2 |
| 409 | 1156 | l | 3.4 | 3.5 | 3.8 | 2 |
| 409 | 1305 | l | 3.3 | 3.3 | 3.6 | 2 |
| 409 | 1352 | l | 3.1 | 3.1 | 3.4 | 2 |
| 409 | 1356 | l | 3.3 | 3.1 | 3.5 | 2 |
| 409 | 1457 | l | 3.2 | 3.1 | 3.6 | 2 |
| 409 | 1531 | l | 3.1 | | 3.2 | w |
| 409 | 1709 | l | 3.2 | 3.4 | 3.7 | 2 |
| 409 | 1752 | l | 3.1 | | 3.4 | w |
| 409 | 1820 | h | 4.5 | | 4.7 | w |
| 409 | 1829 | l | 3.0 | | 3.3 | w |
| 409 | 1847 | l | 3.1 | | 3.3 | w |
| 409 | 2018 | l | 3.2 | | 3.4 | w |
| 409 | 2055 | l | 3.2 | 3.1 | 3.3 | 2 |
| 409 | 2230 | h | 3.7 | 3.8 | 4.1 | 2 |
| 409 | 2317 | l | 3.2 | | 3.5 | w |
| 410 | 0025 | | 3.1 | | 3.3 | w |
| 410 | 0026 | h | 4.3 | 4.3 | 4.8 | 2 |
| 410 | 0045 | h | 4.6 | 4.7 | 4.9 | 2 |
| 410 | 0117 | l | 3.0 | | 3.3 | w |
| 410 | 0224 | l | 3.2 | 3.1 | 3.5 | 2 |
| 410 | 0405 | l | 3.3 | 3.4 | 3.7 | 2 |
| 410 | 0504 | l | 3.2 | 3.3 | 3.4 | 2 |
| 410 | 0620 | l | 3.3 | 3.3 | 3.6 | 2 |
| 410 | 0734 | l | 3.1 | 3.4 | 3.7 | 2 |
| 410 | 0813 | | | 3.1 | | M |
| 410 | 0828 | l | 3.1 | | 3.6 | w |
| 410 | 0850 | | 3.2 | | 3.6 | w |
| 410 | 0852 | l | 3.5 | | 3.8 | w |
| 410 | 0957 | l | 3.2 | 3.6 | 3.8 | 2 |
| 410 | 1052 | l | 3.2 | | 3.5 | w |
| 410 | 1110 | | | 3.7 | | M |
| 410 | 1248 | l | 3.1 | 3.2 | 3.6 | 2 |
| 410 | 1250 | l | 3.4 | | 3.8 | w |
| 410 | 1414 | l | 3.2 | 3.4 | 3.8 | 2 |
| 410 | 1417 | h | 4.5 | 4.5 | 4.7 | 2 |
| 410 | 1427 | l | 3.2 | 3.1 | 3.5 | 2 |
| 410 | 1523 | l | 3.2 | 3.5 | 3.7 | 2 |
| 410 | 1612 | l | 3.2 | 3.4 | 3.4 | 2 |
| 410 | 1654 | l | 3.1 | 3.2 | | 2 |
| 410 | 1858 | l | 3.3 | 3.5 | 3.9 | 2 |
| 410 | 2009 | l | 3.2 | 3.2 | 3.3 | 2 |
| 410 | 2104 | l | 3.1 | | 3.4 | w |
| 410 | 2109 | l | 3.7 | 3.7 | 4.2 | 2 |
| 410 | 2136 | l | 3.2 | | 3.6 | w |
| 410 | 2239 | l | 3.2 | 3.6 | 3.7 | 2 |
| 411 | 0012 | l | 3.2 | 3.5 | 3.7 | 2 |
| 411 | 0052 | l | 3.5 | 3.4 | 3.8 | 2 |
| 411 | 0132 | l | 3.0 | | 3.3 | w |
| 411 | 0232 | l | 3.2 | | 3.5 | w |
| 411 | 0337 | l | 3.2 | 3.4 | 3.7 | 2 |
| 411 | 0410 | | 3.4 | | 3.7 | w |
| 411 | 0422 | h | 3.2 | 3.2 | 3.2 | 2 |
| 411 | 0446 | h | 4.4 | 4.6 | 4.7 | 2 |
| 411 | 0452 | l | 3.0 | | 3.8 | w |
| 411 | 0527 | l | 3.5 | 3.5 | 3.7 | 2 |
| 411 | 0603 | l | 3.1 | 3.2 | 3.6 | 2 |
| 411 | 0743 | l | 3.6 | 3.8 | 4.1 | 2 |
| 411 | 0835 | l | 3.1 | | 3.8 | w |
| 411 | 0856 | h | 3.3 | 3.2 | 3.8 | 2 |
| 411 | 1007 | l | 3.5 | 3.7 | 4.2 | 2 |
| 411 | 1107 | l | 3.1 | | 3.6 | w |
| 411 | 1115 | h | 3.3 | 3.5 | 3.8 | 2 |
| 411 | 1156 | l | 3.2 | 3.4 | 3.8 | 2 |
| 411 | 1334 | l | 3.2 | 3.3 | 3.9 | 2 |
| 411 | 1445 | l | 3.3 | 3.6 | 3.8 | 2 |
| 411 | 1453 | l | 3.6 | 3.5 | 4.1 | 2 |
| 411 | 1519 | l | 3.0 | | 3.7 | w |
| 411 | 1621 | l | 3.0 | | 3.7 | w |
| 411 | 1700 | l | 3.0 | 3.1 | 3.7 | 2 |
| 411 | 1802 | l | 3.7 | 3.7 | 4.3 | 2 |
| 411 | 1828 | l | 3.0 | | 3.6 | w |
| 411 | 1916 | l | 3.2 | 3.2 | 3.6 | 2 |
| 411 | 2005 | l | 3.1 | | 3.6 | w |
| 411 | 2032 | l | 3.1 | | 3.7 | w |
| 411 | 2157 | l | 3.5 | 3.4 | 4.0 | 2 |
| 411 | 2207 | | 3.1 | | 3.6 | w |
| 411 | 2232 | h | 3.0 | | 3.4 | w |
| 411 | 2353 | h | 4.8 | 4.9 | 5.0 | 2 |
| 412 | 0049 | l | 3.2 | 3.4 | 3.8 | 2 |
| 412 | 0226 | l | 3.3 | 3.5 | 3.8 | 2 |
| 412 | 0356 | l | 3.2 | 3.4 | 3.7 | 2 |
| 412 | 0517 | l | 4.2 | 4.4 | 4.7 | 2 |
| 412 | 0546 | l | 3.1 | | 3.7 | w |
| 412 | 0703 | l | 3.1 | | 3.8 | w |
| 412 | 0838 | l | 3.1 | | 3.6 | w |
| 412 | 0845 | l | 3.0 | | 3.6 | w |
| 412 | 1043 | l | 3.1 | | 3.8 | w |
| 412 | 1205 | | | 3.4 | | M |
| 412 | 1234 | l | 3.2 | | 3.8 | w |
| 412 | 1509 | h | 3.6 | 3.7 | 4.3 | 2 |
| 412 | 1610 | l | 3.1 | 3.4 | 3.6 | 2 |
| 412 | 1745 | l | 3.4 | 3.4 | 3.9 | 2 |
| 412 | 1831 | | | 3.0 | | M |
| 412 | 2047 | h | 3.6 | 3.5 | 4.0 | 2 |
| 412 | 2126 | l | 3.4 | 3.2 | 3.9 | 2 |
| 412 | 2230 | h | 4.3 | 4.3 | 4.6 | 2 |
| 412 | 2238 | l | 3.3 | 2.9 | 3.3 | 2 |
| 412 | 2319 | l | 3.1 | 3.0 | 3.4 | 2 |
| 413 | 0009 | l | 3.1 | | 3.1 | w |
| 413 | 0016 | l | 3.3 | 3.3 | 3.8 | 2 |
| 413 | 0127 | l | 3.6 | 3.7 | 4.2 | 2 |
| 413 | 0304 | l | 3.5 | 3.5 | 4.0 | 2 |
| 413 | 0348 | l | 3.1 | 3.3 | 3.2 | 2 |
| 413 | 0446 | l | 3.4 | 3.2 | 4.0 | 2 |
| 413 | 0614 | l | 3.6 | 3.8 | 4.2 | 2 |
| 413 | 0740 | l | 3.1 | 3.3 | 3.6 | 2 |
| 413 | 0837 | l | 4.5 | 4.5 | 4.8 | 2 |
| 413 | 0849 | l | 3.1 | 3.4 | 3.2 | 2 |
| 413 | 0941 | l | 3.5 | 3.6 | 4.0 | 2 |
| 413 | 1051 | l | 3.1 | | 3.4 | w |
| 413 | 1207 | l | 3.5 | | 4.1 | w |
| 413 | 1319 | l | 3.2 | | 3.8 | w |
| 413 | 1431 | l | 3.3 | 3.3 | 3.8 | 2 |
| 413 | 1502 | l | 3.2 | | 3.5 | w |
| 413 | 1544 | l | 3.0 | 3.1 | | 2 |
| 413 | 1702 | | | 3.1 | | M |
| 413 | 1737 | | | 4.1 | | M |
| 413 | 1742 | | | 3.5 | | M |
| 413 | 1912 | | | 3.3 | | M |
| 413 | 1951 | l | 3.4 | 3.6 | 3.5 | 2 |
| 413 | 2049 | l | 3.3 | 3.6 | 3.6 | 2 |
| 413 | 2105 | h | 3.3 | 3.4 | 3.8 | 2 |
| 413 | 2211 | l | 3.2 | 3.5 | 3.2 | 2 |
| 413 | 2358 | h | 3.6 | 3.7 | 3.9 | 2 |
| 414 | 0001 | l | 3.5 | | 3.9 | w |
| 414 | 0050 | l | 3.3 | 3.4 | 3.8 | 2 |
| 414 | 0302 | h | 3.7 | 3.8 | 4.1 | 2 |
| 414 | 0345 | l | 3.3 | 3.3 | 3.8 | 2 |
| 414 | 0654 | h | 3.7 | 3.8 | 4.3 | 2 |
| 414 | 0700 | l | 4.5 | 4.6 | 4.9 | 2 |
| 414 | 0712 | l | 3.0 | | 3.6 | w |
| 414 | 0839 | h | 3.1 | 3.0 | 3.6 | 2 |
| 414 | 0843 | l | 3.4 | 3.5 | 3.9 | 2 |
| 414 | 0950 | l | 3.1 | | 3.7 | w |
| 414 | 1032 | l | 3.0 | | 3.6 | w |
| 414 | 1108 | h | 3.3 | 3.3 | 3.9 | 2 |
| 414 | 1157 | l | 2.9 | 3.2 | 3.2 | 2 |
| 414 | 1229 | h | 3.9 | 4.0 | 4.4 | 2 |
| 414 | 1324 | l | 3.0 | 3.3 | 3.5 | 2 |
| 414 | 1350 | h | 4.7 | 4.8 | 5.2 | 2 |
| 414 | 1531 | h | 3.4 | 3.6 | 4.0 | 2 |
| 414 | 1738 | l | 3.5 | 3.6 | 3.8 | 2 |
| 414 | 1910 | | | 3.3 | | M |
| 414 | 1918 | l | 3.1 | | 3.7 | w |
| 414 | 2230 | l | 3.4 | 3.6 | 4.0 | 2 |
| 414 | 2324 | l | 3.0 | 3.3 | 3.5 | 2 |
| 415 | 0034 | l | 3.4 | 3.4 | 3.8 | 2 |
| 415 | 0038 | l | 4.0 | 4.1 | 4.5 | 2 |
| 415 | 0227 | l | 3.7 | 3.6 | 4.3 | 2 |
| 415 | 0326 | l | 3.4 | | 3.9 | w |
| 415 | 0440 | l | 3.0 | | 3.4 | w |
| 415 | 0659 | h | 4.3 | 4.4 | 4.7 | 2 |
| 415 | 0716 | l | 3.2 | 3.4 | 3.9 | 2 |
| 415 | 0736 | h | 3.4 | 3.5 | 3.9 | 2 |
| 415 | 0819 | h | 3.0 | | 3.0 | w |
| 415 | 0852 | l | 3.3 | 3.4 | 3.9 | 2 |
| 415 | 0938 | l | 3.0 | | 3.2 | w |
| 415 | 1139 | h | 3.1 | 3.1 | 3.0 | 2 |
| 415 | 1155 | l | 3.7 | 3.6 | 4.1 | 2 |
| 415 | 1357 | l | 3.4 | 3.5 | 3.9 | 2 |
| 415 | 1521 | l | 3.2 | 3.4 | 3.5 | 2 |
| 415 | 1528 | h | 3.3 | 3.3 | 3.8 | 2 |
| 415 | 1613 | h | 3.5 | 3.4 | 4.1 | 2 |
| 415 | 1706 | l | 3.1 | 3.2 | 3.1 | 2 |
| 415 | 1755 | h | 4.7 | | 5.0 | w |
| 415 | 1846 | l | 3.3 | 3.3 | | 2 |
| 415 | 2007 | l | 3.3 | 3.5 | 3.8 | 2 |
| 415 | 2156 | h | 4.0 | 4.3 | 4.3 | 2 |
| 415 | 2221 | l | 3.3 | 3.4 | 3.5 | 2 |
| 415 | 2348 | l | 3.3 | 3.3 | 3.8 | 2 |
| 416 | 0155 | l | 3.5 | 3.4 | 4.0 | 2 |
| 416 | 0300 | h | 3.2 | 3.2 | | 2 |
| 416 | 0302 | l | 3.3 | | 3.5 | w |
| 416 | 0500 | l | 3.4 | 3.6 | 4.0 | 2 |
| 416 | 0620 | l | 3.1 | 3.4 | 3.2 | 2 |
| 416 | 0626 | h | 3.2 | 3.4 | 3.8 | 2 |
| 416 | 0833 | l | 3.4 | 3.5 | 3.7 | 2 |
| 416 | 1148 | l | 3.5 | 3.7 | 4.1 | 2 |
| 416 | 1259 | l | 3.2 | | 3.8 | w |
| 416 | 1523 | h | 4.9 | 5.0 | 4.8 | 2 |
| 416 | 1541 | h | 4.5 | | 4.6 | w |
| 416 | 1612 | | 3.1 | 3.2 | 3.4 | 2 |

| Dat | Time | ty | NEW | MSO | DUR | s |
|---|---|---|---|---|---|---|
| 416 | 1706 | l | 3.0 | 3.3 | 3.6 | 2 |
| 416 | 1751 | l | 3.1 | | | w |
| 416 | 1917 | l | 3.1 | 3.3 | 3.6 | 2 |
| 416 | 2130 | h | 2.9 | 3.0 | 3.5 | 2 |
| 416 | 2247 | l | 3.5 | 3.7 | 4.2 | 2 |
| 417 | 0010 | l | 3.2 | 3.2 | 3.4 | 2 |
| 417 | 0215 | l | 3.1 | 3.2 | 3.3 | 2 |
| 417 | 0340 | l | 3.3 | 3.4 | 3.8 | 2 |
| 417 | 0427 | h | 4.3 | 4.2 | 4.7 | 2 |
| 417 | 0437 | l | 3.3 | 3.5 | 3.5 | 2 |
| 417 | 0508 | l | 3.2 | 3.5 | 3.7 | 2 |
| 417 | 0539 | l | 2.6 | 3.0 | 3.1 | 2 |
| 417 | 0707 | l | 3.5 | 3.5 | 4.0 | 2 |
| 417 | 0859 | l | 3.3 | 3.4 | 3.8 | 2 |
| 417 | 1011 | l | 3.0 | 3.0 | 3.3 | 2 |
| 417 | 1034 | h | 3.0 | | 3.6 | w |
| 417 | 1219 | l | 3.6 | 3.7 | 4.0 | 2 |
| 417 | 1402 | l | 3.2 | 3.3 | 3.7 | 2 |
| 417 | 1444 | l | 3.3 | 3.3 | 3.9 | 2 |
| 417 | 1642 | | 3.3 | 3.5 | 3.7 | 2 |
| 417 | 1712 | | 3.0 | | 3.1 | w |
| 417 | 1744 | h | 4.6 | 4.7 | 5.0 | 2 |
| 417 | 1801 | l | 3.0 | | 3.2 | w |
| 417 | 1815 | l | 2.9 | 3.0 | 3.1 | 2 |
| 417 | 1910 | l | 3.3 | 3.4 | 3.5 | 2 |
| 417 | 2005 | l | 3.2 | 3.2 | 3.4 | 2 |
| 417 | 2138 | l | 3.3 | 3.2 | 3.2 | 2 |
| 417 | 2220 | l | 3.0 | 3.0 | 3.2 | 2 |
| 418 | 0052 | l | 3.4 | 3.5 | 4.0 | 2 |
| 418 | 0054 | h | 4.4 | 4.5 | 4.7 | 2 |
| 418 | 0104 | l | 3.3 | 3.4 | 3.3 | 2 |
| 418 | 0225 | l | 3.4 | 3.4 | 3.9 | 2 |
| 418 | 0318 | l | 3.0 | 3.1 | 3.1 | 2 |
| 418 | 0404 | l | 3.1 | 3.2 | 3.2 | 2 |
| 418 | 0458 | h | 3.3 | 3.3 | 3.2 | 2 |
| 418 | 0509 | l | 3.5 | 3.4 | 3.8 | 2 |
| 418 | 0543 | l | 3.0 | | 3.2 | w |
| 418 | 0612 | h | 3.0 | | 3.1 | w |
| 418 | 0657 | l | 3.0 | | 3.2 | w |
| 418 | 0829 | l | 3.4 | 3.5 | 3.8 | 2 |
| 418 | 0924 | l | 3.7 | 3.6 | 4.0 | 2 |
| 418 | 1046 | l | 3.4 | 3.4 | 4.0 | 2 |
| 418 | 1057 | h | 3.2 | | 3.2 | w |
| 418 | 1158 | l | 3.3 | 2.7 | 3.8 | 2 |
| 418 | 1216 | h | 3.4 | 3.0 | 3.5 | 2 |
| 418 | 1304 | h | 3.9 | 3.9 | 4.2 | 2 |
| 418 | 1309 | l | 3.6 | 3.4 | 4.0 | 2 |
| 418 | 1327 | l | 3.1 | | 3.0 | w |
| 418 | 1434 | l | 3.4 | 3.3 | 3.7 | 2 |
| 418 | 1554 | l | 3.3 | 3.4 | 3.9 | 2 |
| 418 | 1734 | l | 3.3 | 3.4 | 3.4 | 2 |
| 418 | 1835 | l | 3.0 | | 3.2 | w |
| 418 | 1917 | l | 3.5 | 3.4 | 4.0 | 2 |
| 418 | 2028 | l | 3.4 | 3.3 | 3.8 | 2 |
| 418 | 2040 | l | 2.8 | 3.0 | 3.1 | 2 |
| 418 | 2117 | h | 4.7 | 4.6 | 5.0 | 2 |
| 418 | 2128 | l | 3.2 | | 3.4 | w |
| 418 | 2151 | l | 3.2 | | 3.2 | w |
| 418 | 2228 | h | 4.1 | 4.4 | | 2 |
| 418 | 2311 | l | 3.2 | 3.1 | 3.1 | 2 |
| 418 | 2337 | l | 3.0 | | 3.3 | w |
| 419 | 0020 | l | 2.9 | 3.0 | 3.0 | 2 |
| 419 | 0238 | l | 3.6 | 3.4 | 4.1 | 2 |
| 419 | 0325 | l | 2.9 | 3.0 | 3.1 | 2 |
| 419 | 0604 | l | 3.6 | 3.7 | 4.1 | 2 |
| 419 | 0708 | l | 3.0 | 2.9 | 3.1 | 2 |
| 419 | 0808 | h | 3.8 | 3.8 | 4.3 | 2 |
| 419 | 0837 | l | 3.2 | 2.9 | 3.4 | 2 |
| 419 | 1030 | l | 3.5 | 3.6 | 3.8 | 2 |
| 419 | 1133 | l | 3.0 | | 3.1 | w |
| 419 | 1152 | l | 3.2 | 3.1 | 3.2 | 2 |
| 419 | 1312 | l | 3.1 | 3.0 | 2.9 | 2 |
| 419 | 1454 | l | 3.6 | 3.4 | 4.0 | 2 |
| 419 | 1536 | l | 3.1 | | | w |
| 419 | 1646 | l | 3.3 | 3.5 | 3.5 | 2 |
| 419 | 1703 | | 3.4 | 3.2 | 3.8 | 2 |
| 419 | 1749 | h | 3.9 | 3.9 | 4.4 | 2 |
| 419 | 1807 | | 3.3 | 3.4 | 3.9 | 2 |
| 419 | 1845 | l | 3.0 | 3.0 | 3.2 | 2 |
| 419 | 1908 | h | 3.8 | 3.9 | 4.3 | 2 |
| 419 | 1919 | l | 3.5 | 3.7 | 3.9 | 2 |
| 419 | 1938 | l | 3.1 | 3.0 | 3.3 | 2 |
| 419 | 2042 | l | 3.4 | 3.5 | 3.8 | 2 |
| 419 | 2157 | l | 3.2 | 3.2 | 3.6 | 2 |
| 419 | 2226 | l | 3.0 | 3.2 | 3.2 | 2 |
| 419 | 2229 | h | 4.6 | 4.9 | 4.8 | 2 |
| 419 | 2250 | l | 3.4 | 3.4 | 3.5 | 2 |
| 419 | 2314 | l | 3.3 | 3.2 | 3.2 | 2 |
| 420 | 0014 | l | 3.4 | 3.1 | 3.7 | 2 |
| 420 | 0047 | l | 3.2 | 3.0 | 3.3 | 2 |
| 420 | 0206 | l | 3.3 | 3.2 | 3.3 | 2 |
| 420 | 0225 | h | 3.6 | 3.6 | 3.8 | 2 |
| 420 | 0250 | l | 3.1 | 3.0 | 3.1 | 2 |
| 420 | 0256 | | | 3.4 | | M |
| 420 | 0349 | l | 3.2 | 3.1 | 3.2 | 2 |
| 420 | 0454 | l | 3.7 | 3.7 | 4.1 | 2 |
| 420 | 0505 | h | 3.8 | 3.4 | 4.0 | 2 |
| 420 | 0602 | l | 3.2 | 3.3 | 3.4 | 2 |
| 420 | 0655 | l | 3.2 | 3.2 | 3.8 | 2 |
| 420 | 0809 | l | 3.6 | 3.5 | 4.0 | 2 |
| 420 | 0840 | l | 3.1 | | 3.2 | w |
| 420 | 0937 | l | 3.2 | | 3.7 | w |
| 420 | 1014 | l | 3.2 | 3.1 | 3.1 | 2 |
| 420 | 1026 | h | 4.0 | 3.9 | 4.3 | 2 |
| 420 | 1036 | l | 3.5 | 3.3 | 3.6 | 2 |
| 420 | 1200 | l | 3.6 | 3.5 | 3.9 | 2 |
| 420 | 1330 | l | 3.5 | 3.2 | 3.8 | 2 |
| 420 | 1416 | l | 3.5 | 3.5 | 3.7 | 2 |
| 420 | 1548 | l | 3.4 | 3.5 | 3.8 | 2 |
| 420 | 1645 | l | 3.0 | 2.9 | 3.7 | 2 |
| 420 | 1754 | l | 3.4 | | 4.0 | w |
| 420 | 1920 | h | 4.8 | 4.8 | 5.1 | 2 |
| 420 | 1930 | l | 2.8 | 3.1 | 3.2 | 2 |
| 420 | 1937 | l | 3.2 | | 3.2 | w |
| 420 | 2013 | l | 3.5 | 3.1 | 3.9 | 2 |
| 420 | 2204 | h | 4.0 | 4.1 | 4.4 | 2 |
| 420 | 2212 | l | 3.3 | 3.0 | 3.8 | 2 |
| 420 | 2244 | l | 3.3 | | 3.7 | w |
| 420 | 2331 | l | 2.7 | 3.0 | 3.1 | 2 |
| 421 | 0045 | l | 3.3 | 3.2 | 3.1 | 2 |
| 421 | 0324 | l | 3.5 | 3.6 | 4.1 | 2 |
| 421 | 0356 | l | 3.0 | | 3.8 | w |
| 421 | 0509 | l | 3.0 | 3.0 | 3.3 | 2 |
| 421 | 0518 | h | 3.7 | 3.8 | 4.3 | 2 |
| 421 | 0558 | l | 3.3 | 3.4 | 3.9 | 2 |
| 421 | 0725 | l | 2.9 | 3.2 | 3.6 | 2 |
| 421 | 0755 | l | 3.4 | 3.2 | 3.9 | 2 |
| 421 | 0836 | l | 3.3 | | 3.6 | w |
| 421 | 1040 | l | 3.3 | 3.4 | 3.7 | 2 |
| 421 | 1236 | l | 3.2 | 3.1 | 3.5 | 2 |
| 421 | 1332 | l | 3.3 | 3.5 | 3.8 | 2 |
| 421 | 1514 | h | 4.5 | 4.7 | 4.8 | 2 |
| 421 | 1533 | l | 3.3 | | 3.7 | w |
| 421 | 1554 | l | 3.1 | 3.2 | 4.0 | 2 |
| 421 | 1623 | l | 3.0 | 3.1 | 3.2 | 2 |
| 421 | 1728 | l | 3.3 | 3.2 | 3.8 | 2 |
| 421 | 1949 | l | 3.4 | 3.4 | 3.8 | 2 |
| 421 | 1952 | h | 4.0 | 4.1 | 4.4 | 2 |
| 421 | 2035 | l | 3.5 | 3.5 | 3.9 | 2 |
| 421 | 2121 | l | 3.2 | 3.2 | 3.5 | 2 |
| 421 | 2217 | l | 3.3 | 3.5 | 3.6 | 2 |
| 421 | 2347 | l | 3.3 | 3.3 | 3.6 | 2 |
| 422 | 0109 | l | 3.1 | 3.0 | 3.5 | 2 |
| 422 | 0312 | l | 3.4 | 3.4 | 4.0 | 2 |
| 422 | 0413 | l | 3.0 | 3.3 | 3.6 | 2 |
| 422 | 0609 | l | 3.3 | | 3.8 | w |
| 422 | 0613 | h | 3.8 | 4.0 | 4.4 | 2 |
| 422 | 0647 | l | 3.5 | 3.5 | 4.0 | 2 |
| 422 | 0728 | l | 3.2 | 3.1 | 4.0 | 2 |
| 422 | 0806 | l | 3.0 | 3.0 | 3.5 | 2 |
| 422 | 0922 | l | 3.3 | 3.4 | 3.8 | 2 |
| 422 | 1026 | h | 3.9 | 4.0 | 4.4 | 2 |
| 422 | 1102 | l | 3.5 | 3.4 | 3.9 | 2 |
| 422 | 1256 | l | 3.4 | 3.2 | 3.8 | 2 |
| 422 | 1410 | l | 3.3 | 3.2 | 3.5 | 2 |
| 422 | 1637 | | 3.7 | 3.6 | | 2 |
| 422 | 1803 | | | 3.3 | | M |
| 422 | 1928 | h | 4.6 | 4.6 | | 2 |
| 422 | 2008 | l | | 3.0 | | 2 |
| 422 | 2043 | l | | 3.0 | | 2 |
| 422 | 2204 | h | | 4.0 | | 2 |
| 422 | 2306 | l | | 3.5 | | 2 |
| 423 | 0102 | l | | 3.4 | | 2 |
| 423 | 0301 | l | | 3.5 | | 2 |
| 423 | 0329 | l | | 3.1 | | 2 |
| 423 | 0401 | | | 3.2 | | M |
| 423 | 0605 | l | | 3.2 | | 2 |
| 423 | 0633 | h | | 3.2 | | 2 |
| 423 | 0646 | l | | 3.1 | | 2 |
| 423 | 0843 | l | | 3.5 | | 2 |
| 423 | 0920 | l | | 3.0 | | 2 |
| 423 | 1029 | l | | 3.0 | | 2 |
| 423 | 1230 | | | 3.4 | | M |
| 423 | 1232 | h | | 4.6 | | 2 |
| 423 | 1244 | | | 3.0 | | M |
| 423 | 1309 | l | 3.4 | 3.4 | 4.0 | 2 |
| 423 | 1335 | l | 3.2 | 3.0 | 3.6 | 2 |
| 423 | 1433 | l | 3.3 | 3.1 | 3.7 | 2 |
| 423 | 1516 | l | 3.2 | 3.0 | 3.5 | 2 |
| 423 | 1519 | h | 4.2 | 4.2 | 4.5 | 2 |
| 423 | 1532 | l | 3.5 | 3.5 | 3.8 | 2 |
| 423 | 1615 | l | 3.0 | 3.0 | 3.5 | 2 |
| 423 | 1835 | l | 3.4 | 3.4 | 3.8 | 2 |
| 423 | 2016 | l | 3.3 | 3.1 | 3.8 | 2 |
| 423 | 2121 | l | 3.3 | 3.1 | 3.7 | 2 |
| 423 | 2307 | l | 3.4 | 3.4 | 3.9 | 2 |
| 424 | 0025 | l | 3.2 | | 3.5 | w |
| 424 | 0031 | h | 3.3 | 3.5 | 3.7 | 2 |
| 424 | 0025 | | | 3.0 | | M |
| 424 | 0142 | h | 3.5 | 3.5 | 3.9 | 2 |
| 424 | 0229 | h | 3.4 | 3.3 | 3.8 | 2 |
| 424 | 0422 | l | 3.4 | 3.5 | 3.9 | 2 |
| 424 | 0506 | l | 3.3 | 3.3 | 3.8 | 2 |
| 424 | 0602 | l | 3.2 | 3.0 | 3.8 | 2 |
| 424 | 0638 | h | 3.0 | 3.0 | 3.6 | 2 |

| Dat | Time | ty | NEW | MSO | DUR | s |
|---|---|---|---|---|---|---|
| 424 | 0733 | l | 3.2 | 3.0 | 3.5 | 2 |
| 424 | 0828 | l | 3.4 | 3.6 | 3.8 | 2 |
| 424 | 0951 | h | 3.9 | 4.0 | 4.4 | 2 |
| 424 | 1051 | h | 3.4 | 3.5 | 4.0 | 2 |
| 424 | 1204 | l | 3.2 | 3.3 | 3.8 | 2 |
| 424 | 1333 | l | 3.5 | 3.4 | 4.1 | 2 |
| 424 | 1532 | l | 3.5 | 3.7 | 3.9 | 2 |
| 424 | 1734 | h | 4.8 | 4.8 | 4.8 | 2 |
| 424 | 1745 | l | 3.1 | 3.0 | 3.4 | 2 |
| 424 | 1800 | l | 3.3 | 3.3 | 3.9 | 2 |
| 424 | 1901 | l | 3.4 | 3.6 | 3.9 | 2 |
| 424 | 1955 | l | 3.3 | 3.4 | 3.7 | 2 |
| 424 | 2103 | l | 3.2 | 3.4 | 3.5 | 2 |
| 424 | 2200 | l | 2.9 | 3.0 | 3.2 | 2 |
| 424 | 2309 | h | 3.7 | 3.8 | 4.2 | 2 |
| 425 | 0029 | l | 3.6 | 3.7 | 4.0 | 2 |
| 425 | 0133 | l | 3.1 | 3.1 | 3.4 | 2 |
| 425 | 0309 | l | 3.2 | 3.2 | 3.6 | 2 |
| 425 | 0456 | l | 3.3 | 3.4 | 3.9 | 2 |
| 425 | 0558 | l | 3.4 | 3.5 | 3.6 | 2 |
| 425 | 0627 | h | 3.2 | 3.1 | 3.7 | 2 |
| 425 | 0704 | l | 3.3 | 3.4 | 3.8 | 2 |
| 425 | 0845 | l | 3.0 | 3.1 | 3.3 | 2 |
| 425 | 1101 | l | 3.6 | 3.7 | 4.1 | 2 |
| 425 | 1104 | h | 3.5 | 3.8 | 3.9 | 2 |
| 425 | 1123 | l | 3.0 | 3.0 | 3.3 | 2 |
| 425 | 1351 | l | 3.4 | 3.7 | 3.8 | 2 |
| 425 | 1528 | l | 3.3 | 3.2 | 3.6 | 2 |
| 425 | 1707 | l | 3.0 | 3.2 | 3.6 | 2 |
| 425 | 1817 | l | 3.5 | 3.5 | 3.9 | 2 |
| 425 | 1921 | l | 3.3 | 3.0 | 3.9 | 2 |
| 425 | 2026 | l | 3.0 | 3.1 | 3.5 | 2 |
| 425 | 2152 | l | 3.4 | 3.6 | 3.9 | 2 |
| 425 | 2250 | l | 2.9 | 3.0 | 3.6 | 2 |
| 425 | 2321 | h | | 4.6 | | 2 |
| 425 | 2348 | l | 3.2 | 3.4 | 3.4 | 2 |
| 426 | 0009 | l | 3.0 | 3.2 | 3.5 | 2 |
| 426 | 0225 | l | 3.6 | 3.8 | 3.9 | 2 |
| 426 | 0333 | l | 3.2 | 3.2 | 3.5 | 2 |
| 426 | 0412 | h | 3.8 | 3.8 | 3.8 | 2 |
| 426 | 0556 | l | 3.3 | | 3.6 | w |
| 426 | 0612 | l | 3.1 | 3.4 | 3.4 | 2 |
| 426 | 0629 | | | 3.1 | | M |
| 426 | 0722 | l | 3.2 | 3.2 | 3.3 | 2 |
| 426 | 0857 | l | 3.0 | 2.9 | 3.1 | 2 |
| 426 | 1045 | l | 3.4 | 3.4 | 4.0 | 2 |
| 426 | 1218 | l | 3.5 | 3.6 | 4.0 | 2 |
| 426 | 1316 | l | 3.3 | 3.3 | 3.5 | 2 |
| 426 | 1427 | h | 3.6 | 3.7 | 4.0 | 2 |
| 426 | 1555 | l | 3.7 | 3.6 | 4.1 | 2 |
| 426 | 1749 | | 3.4 | 3.4 | 3.9 | 2 |
| 426 | 1848 | l | 2.9 | 3.0 | 3.1 | 2 |
| 426 | 2015 | l | 3.4 | 3.3 | 3.7 | 2 |
| 426 | 2211 | l | 3.4 | 3.2 | 3.8 | 2 |
| 426 | 2251 | l | 3.1 | 3.1 | 3.1 | 2 |
| 427 | 0116 | h | 3.8 | 3.7 | 4.3 | 2 |
| 427 | 0201 | l | 3.8 | 3.7 | 4.2 | 2 |
| 427 | 0247 | l | 3.3 | 3.5 | 3.8 | 2 |
| 427 | 0419 | l | 3.1 | 3.2 | 3.5 | 2 |
| 427 | 0547 | h | 3.4 | 3.2 | 3.8 | 2 |
| 427 | 0716 | l | 3.5 | 3.7 | 4.0 | 2 |
| 427 | 0727 | h | 4.6 | 4.8 | 4.9 | 2 |
| 427 | 0739 | l | 3.3 | 3.5 | 3.8 | 2 |
| 427 | 0813 | l | 2.8 | 3.0 | 3.0 | 2 |
| 427 | 0832 | l | 3.4 | 3.6 | 3.9 | 2 |
| 427 | 0916 | l | 3.1 | 2.9 | 3.3 | 2 |
| 427 | 0936 | h | 3.1 | 3.0 | 3.1 | 2 |
| 427 | 0959 | l | 3.1 | 3.0 | 3.6 | 2 |
| 427 | 1111 | l | 3.2 | 3.0 | 3.3 | 2 |
| 427 | 1235 | l | 3.6 | 3.8 | 4.0 | 2 |
| 427 | 1412 | l | 3.3 | 3.3 | 3.6 | 2 |
| 427 | 1449 | h | 3.9 | 3.9 | 4.2 | 2 |
| 427 | 1523 | l | 3.0 | 2.9 | 3.4 | 2 |
| 427 | 1705 | l | 3.5 | 3.5 | 3.9 | 2 |
| 427 | 1822 | l | 3.1 | 3.1 | 3.4 | 2 |
| 427 | 2055 | l | 3.5 | 3.7 | 3.9 | 2 |
| 427 | 2129 | l | 3.4 | 3.5 | 3.9 | 2 |
| 427 | 2341 | l | 3.4 | | 3.9 | w |
| 427 | 2357 | l | 2.6 | 3.5 | 2.9 | 2 |
| 428 | 0102 | l | 3.2 | 3.2 | 3.5 | 2 |
| 428 | 0213 | l | 3.1 | 3.0 | 3.3 | 2 |
| 428 | 0312 | l | 3.0 | 3.0 | 3.4 | 2 |
| 428 | 0350 | h | 4.6 | 4.5 | 4.9 | 2 |
| 428 | 0357 | l | 3.2 | 3.1 | 3.4 | 2 |
| 428 | 0410 | l | 3.3 | 3.2 | 3.6 | 2 |
| 428 | 0429 | l | 3.1 | 3.0 | 3.4 | 2 |
| 428 | 0516 | h | 3.9 | 4.1 | 4.4 | 2 |
| 428 | 0624 | l | 3.3 | 3.4 | 3.8 | 2 |
| 428 | 0734 | l | 3.2 | 3.2 | 3.5 | 2 |
| 428 | 0933 | l | 3.4 | 3.2 | 3.5 | 2 |
| 428 | 1054 | l | 3.2 | 3.2 | 3.8 | 2 |
| 428 | 1232 | l | 3.6 | 3.6 | 4.0 | 2 |
| 428 | 1239 | h | 3.8 | 3.7 | 4.1 | 2 |
| 428 | 1303 | l | 2.7 | 3.0 | 3.2 | 2 |
| 428 | 1510 | l | 3.5 | 3.7 | 4.1 | 2 |
| 428 | 1708 | l | 3.3 | 3.7 | 3.8 | 2 |
| 428 | 1754 | h | 3.1 | 3.0 | 3.2 | 2 |
| 428 | 1911 | l | 3.4 | 3.6 | 3.9 | 2 |
| 428 | 2213 | l | 3.3 | 3.4 | 3.4 | 2 |
| 428 | 2353 | l | 3.6 | 3.7 | 4.1 | 2 |
| 429 | 0053 | l | 3.2 | 3.2 | 3.4 | 2 |
| 429 | 0153 | l | 3.3 | 3.4 | 3.5 | 2 |
| 429 | 0338 | l | 3.4 | 3.2 | 3.8 | 2 |
| 429 | 0425 | h | 4.6 | 4.5 | 4.8 | 2 |
| 429 | 0437 | l | 3.0 | | 3.4 | w |
| 429 | 0534 | l | 3.4 | 3.1 | 3.7 | 2 |
| 429 | 0542 | h | 3.3 | 3.2 | 3.6 | 2 |
| 429 | 0622 | l | 3.6 | 3.6 | 3.7 | 2 |
| 429 | 0623 | h | 4.5 | 4.7 | 4.6 | 2 |
| 429 | 0630 | l | 3.3 | 3.3 | 3.4 | 2 |
| 429 | 0652 | l | 3.3 | 3.5 | 3.9 | 2 |
| 429 | 0722 | l | 2.9 | 3.2 | 3.4 | 2 |
| 429 | 0756 | l | 3.0 | 2.9 | 3.5 | 2 |
| 429 | 0900 | l | 3.4 | 3.4 | 3.8 | 2 |
| 429 | 1114 | l | 3.3 | | 3.6 | w |
| 429 | 1239 | l | 3.4 | 3.4 | 3.6 | 2 |
| 429 | 1242 | h | 4.1 | 4.2 | 4.2 | 2 |
| 429 | 1247 | l | 3.6 | 3.7 | 3.9 | 2 |
| 429 | 1522 | l | 3.4 | 3.5 | 3.7 | 2 |
| 429 | 1747 | l | 3.6 | 3.5 | 3.8 | 2 |
| 429 | 1911 | l | 3.3 | 3.1 | 3.6 | 2 |
| 429 | 1939 | h | 3.0 | 3.0 | 3.4 | 2 |
| 429 | 2135 | l | 3.2 | 3.0 | 3.5 | 2 |
| 429 | 2332 | l | 3.0 | 3.1 | 3.2 | 2 |
| 430 | 0035 | l | 3.7 | 3.8 | 4.2 | 2 |
| 430 | 0224 | l | 3.4 | 3.2 | 3.6 | 2 |
| 430 | 0235 | l | 3.0 | 3.2 | 3.5 | 2 |
| 430 | 0413 | l | 3.4 | 3.4 | 3.7 | 2 |
| 430 | 0510 | h | 4.7 | 4.9 | 4.9 | 2 |
| 430 | 0518 | l | 3.4 | 3.3 | 3.6 | 2 |
| 430 | 0539 | h | 3.4 | 3.5 | 3.9 | 2 |
| 430 | 0604 | l | 3.3 | 3.3 | 3.5 | 2 |
| 430 | 0718 | l | 3.1 | 3.3 | 3.8 | 2 |
| 430 | 0743 | h | 4.2 | 4.4 | 4.5 | 2 |
| 430 | 0756 | l | 3.6 | 3.6 | 4.0 | 2 |
| 430 | 0922 | l | 3.4 | 3.6 | 3.9 | 2 |
| 430 | 1225 | l | 3.4 | 3.5 | 3.7 | 2 |
| 430 | 1509 | l | 3.6 | 3.6 | 3.7 | 2 |
| 430 | 1728 | l | 3.0 | 3.2 | 3.4 | 2 |
| 430 | 1753 | l | 3.2 | 3.2 | 3.4 | 2 |
| 430 | 2051 | l | 3.6 | 3.7 | 4.0 | 2 |
| 430 | 2242 | l | 3.3 | 3.4 | 3.7 | 2 |
| 501 | 0108 | l | 3.2 | 3.3 | 3.8 | 2 |
| 501 | 0333 | h | 3.0 | 3.0 | 3.5 | 2 |
| 501 | 0446 | h | 4.2 | 4.3 | 4.6 | 2 |
| 501 | 0454 | l | 3.4 | 3.4 | 3.8 | 2 |
| 501 | 0619 | l | 3.7 | 3.7 | 4.1 | 2 |
| 501 | 0717 | l | 3.1 | 3.2 | 3.6 | 2 |
| 501 | 1100 | l | 3.6 | 3.7 | 4.0 | 2 |
| 501 | 1247 | l | 3.2 | 3.3 | 3.7 | 2 |
| 501 | 1537 | l | 3.3 | 3.4 | 3.7 | 2 |
| 501 | 1650 | l | 3.1 | 3.3 | 3.6 | 2 |
| 501 | 1928 | h | 4.3 | 4.6 | 4.6 | 2 |
| 501 | 1941 | l | 3.3 | 3.2 | 3.6 | 2 |
| 501 | 2000 | l | 3.0 | 3.0 | 3.4 | 2 |
| 501 | 2132 | l | 3.7 | 3.7 | 4.1 | 2 |
| 501 | 2201 | l | 3.2 | 3.2 | 3.6 | 2 |
| 501 | 2302 | l | 3.3 | 3.4 | 3.8 | 2 |
| 501 | 2350 | l | 3.0 | | 3.4 | w |
| 502 | 0058 | l | 3.3 | 3.4 | 3.8 | 2 |
| 502 | 0310 | l | 3.3 | 3.5 | 3.7 | 2 |
| 502 | 0513 | h | 4.0 | 4.1 | 4.4 | 2 |
| 502 | 0543 | l | 3.0 | 3.2 | 3.6 | 2 |
| 502 | 0647 | l | 3.1 | 3.0 | 3.5 | 2 |
| 502 | 0745 | l | 3.2 | 2.9 | 3.2 | 2 |
| 502 | 0837 | l | 3.6 | 3.7 | 4.1 | 2 |
| 502 | 0953 | l | 3.4 | 3.1 | 3.9 | 2 |
| 502 | 1127 | l | 3.3 | 3.3 | 3.9 | 2 |
| 502 | 1253 | h | 3.8 | 3.9 | 4.3 | 2 |
| 502 | 1300 | l | 3.2 | 3.2 | 3.5 | 2 |
| 502 | 1303 | h | 4.5 | 4.7 | 4.8 | 2 |
| 502 | 1312 | l | 3.0 | | 3.2 | w |
| 502 | 1328 | l | 3.2 | 3.3 | 2.3 | 2 |
| 502 | 1401 | l | 3.1 | 3.2 | 3.5 | 2 |
| 502 | 1508 | l | 3.4 | 3.2 | | 2 |
| 502 | 1643 | l | 3.0 | 3.0 | 3.2 | 2 |
| 502 | 1900 | l | 3.4 | 3.5 | 3.8 | 2 |
| 502 | 2101 | l | 3.5 | 3.4 | 3.8 | 2 |
| 502 | 2313 | l | 3.5 | 3.2 | 3.7 | 2 |
| 503 | 0305 | l | 3.5 | 3.5 | 3.9 | 2 |
| 503 | 0501 | h | 4.5 | 4.6 | 4.5 | 2 |
| 503 | 0506 | h | 4.1 | 4.1 | 4.4 | 2 |
| 503 | 0511 | l | 3.2 | 3.3 | 3.7 | 2 |
| 503 | 0514 | l | 3.0 | 2.9 | 3.1 | 2 |
| 503 | 0520 | l | 3.2 | 3.2 | 3.6 | 2 |
| 503 | 0536 | l | 3.0 | 3.3 | 3.6 | 2 |
| 503 | 0647 | l | 3.6 | 3.7 | 4.1 | 2 |
| 503 | 0720 | l | 2.7 | 3.0 | 3.2 | 2 |
| 503 | 0856 | l | 3.3 | 3.2 | 3.5 | 2 |
| 503 | 1047 | l | 3.3 | 3.5 | 3.8 | 2 |
| 503 | 1242 | l | 2.7 | 3.1 | 2.6 | 2 |
| 503 | 1313 | h | 3.9 | 3.9 | 4.5 | 2 |
| 503 | 1338 | l | 3.1 | 3.1 | 3.4 | 2 |
| 503 | 1344 | l | 3.0 | 3.1 | 3.5 | 2 |
| 503 | 1542 | l | 3.8 | 3.7 | 4.2 | 2 |

| Dat | Time | ty | NEW | MSO | DUR | s |
|---|---|---|---|---|---|---|
| 503 | 1815 | l | 2.7 | 3.0 | | 2 |
| 503 | 2046 | l | 3.7 | 3.7 | 4.2 | 2 |
| 503 | 2222 | l | 2.9 | 3.0 | 3.2 | 2 |
| 503 | 2352 | l | 3.0 | 3.0 | 3.4 | 2 |
| 504 | 0047 | l | 3.4 | 3.5 | 3.7 | 2 |
| 504 | 0307 | l | 3.2 | 3.3 | 3.7 | 2 |
| 504 | 0524 | l | 3.8 | 3.7 | 3.9 | 2 |
| 504 | 0533 | l | 3.0 | 3.0 | 3.8 | 2 |
| 504 | 0748 | l | 3.6 | 3.5 | 3.8 | 2 |
| 504 | 0909 | l | 3.2 | 3.4 | 3.7 | 2 |
| 504 | 1159 | h | 4.6 | 4.7 | 4.9 | 2 |
| 504 | 1214 | l | 3.0 | 3.0 | 3.1 | 2 |
| 504 | 1239 | l | 3.1 | 3.4 | 3.6 | 2 |
| 504 | 1319 | l | 3.3 | 3.0 | 3.6 | 2 |
| 504 | 1416 | l | 3.3 | 3.4 | 3.9 | 2 |
| 504 | 1613 | l | 3.2 | 3.0 | 3.5 | 2 |
| 504 | 1735 | l | 3.4 | 3.4 | 3.8 | 2 |
| 504 | 1936 | l | 3.3 | 3.6 | 3.8 | 2 |
| 504 | 2140 | l | 3.5 | 3.7 | 4.0 | 2 |
| 504 | 2338 | l | 3.0 | 3.0 | 3.2 | 2 |
| 505 | 0049 | l | 2.9 | 3.0 | 3.3 | 2 |
| 505 | 0154 | l | 3.7 | 3.7 | 4.0 | 2 |
| 505 | 0445 | l | 3.4 | 3.6 | 3.7 | 2 |
| 505 | 0525 | h | 3.3 | 3.1 | 3.5 | 2 |
| 505 | 0544 | h | 4.6 | 4.6 | 4.7 | 2 |
| 505 | 0550 | l | 3.1 | | 3.2 | w |
| 505 | 0605 | l | 3.1 | 3.0 | 2.9 | 2 |
| 505 | 0631 | l | 3.0 | 3.1 | 3.3 | 2 |
| 505 | 0728 | l | 3.6 | 3.8 | 4.0 | 2 |
| 505 | 0907 | l | 3.3 | 3.3 | 3.4 | 2 |
| 505 | 0914 | h | 4.0 | 4.2 | 4.3 | 2 |
| 505 | 0923 | l | 3.4 | 3.5 | 3.7 | 2 |
| 505 | 1046 | l | 3.3 | 3.4 | 3.7 | 2 |
| 505 | 1200 | l | 3.0 | 3.0 | 3.4 | 2 |
| 505 | 1320 | l | 3.6 | 3.7 | 4.0 | 2 |
| 505 | 1405 | l | 3.0 | 3.0 | 3.2 | 2 |
| 505 | 1615 | l | 3.5 | | 4.0 | w |
| 505 | 1820 | l | 3.1 | 3.0 | | 2 |
| 505 | 2125 | l | 3.5 | 3.5 | 3.7 | 2 |
| 505 | 2348 | l | 3.2 | 3.0 | 3.4 | 2 |
| 506 | 0004 | h | 4.0 | 4.3 | 4.3 | 2 |
| 506 | 0057 | l | 3.4 | 3.6 | 3.7 | 2 |
| 506 | 0148 | l | 3.1 | 3.0 | 3.2 | 2 |
| 506 | 0329 | l | 3.2 | 3.4 | 3.5 | 2 |
| 506 | 0509 | l | 3.1 | 3.2 | 3.7 | 2 |
| 506 | 0816 | l | 3.8 | 3.8 | 4.0 | 2 |
| 506 | 1029 | l | 3.4 | 3.5 | 3.7 | 2 |
| 506 | 1149 | h | 3.5 | 3.4 | 3.8 | 2 |
| 506 | 1209 | l | 3.3 | 3.5 | 3.5 | 2 |
| 506 | 1530 | h | | 3.8 | | 2 |
| 506 | 1704 | h | | 4.6 | 4.6 | 2 |
| 506 | 1714 | l | 2.8 | 3.0 | 3.5 | 2 |
| 506 | 1723 | l | 3.2 | 3.2 | 3.6 | 2 |
| 506 | 1754 | l | 3.4 | 3.7 | 4.0 | 2 |
| 506 | 1820 | l | 3.2 | 3.4 | 3.8 | 2 |
| 506 | 1923 | h | 4.2 | | 4.4 | w |
| 506 | 2011 | l | 3.4 | 3.5 | 3.8 | 2 |
| 506 | 2133 | l | 3.2 | 3.3 | 3.5 | 2 |
| 506 | 2330 | l | 3.5 | 3.5 | 3.9 | 2 |
| 507 | 0237 | l | 2.8 | 3.0 | 3.1 | 2 |
| 507 | 0345 | l | 3.7 | 3.6 | 4.2 | 2 |
| 507 | 0505 | l | 3.0 | 2.9 | | 2 |
| 507 | 0637 | | | 3.2 | | 2 |
| 507 | 0638 | l | 3.2 | | 3.1 | w |
| 507 | 0853 | l | 3.6 | 3.4 | 4.0 | 2 |
| 507 | 0941 | l | 2.9 | 3.0 | 3.2 | 2 |
| 507 | 1110 | h | 4.6 | 4.5 | 4.7 | 2 |
| 507 | 1234 | l | 3.4 | 3.5 | 4.0 | 2 |
| 507 | 1408 | l | 3.4 | 3.4 | 3.6 | 2 |
| 507 | 1651 | l | 3.4 | 3.6 | 3.9 | 2 |
| 507 | 1909 | l | 3.3 | 3.2 | 3.8 | 2 |
| 507 | 2205 | l | 3.4 | 3.4 | 3.8 | 2 |
| 508 | 0121 | l | 3.6 | 3.6 | 4.2 | 2 |
| 508 | 0318 | l | 3.3 | 3.3 | 3.8 | 2 |
| 508 | 0617 | l | 3.3 | 3.3 | 3.9 | 2 |
| 508 | 0747 | l | 3.8 | 4.0 | 4.4 | 2 |
| 508 | 0749 | h | 4.7 | 4.8 | 4.7 | 2 |
| 508 | 0808 | l | 3.0 | 3.0 | 3.5 | 2 |
| 508 | 0849 | l | 3.6 | 3.5 | 4.0 | 2 |
| 508 | 0904 | h | 4.3 | 4.2 | 4.6 | 2 |
| 508 | 0945 | l | 3.0 | 3.0 | 3.8 | 2 |
| 508 | 1006 | l | 3.7 | 3.8 | | 2 |
| 508 | 1239 | l | 3.3 | 3.2 | 3.9 | 2 |
| 508 | 1532 | l | 3.6 | 3.5 | 3.9 | 2 |
| 508 | 1928 | l | 3.6 | 3.4 | 3.9 | 2 |
| 508 | 1949 | h | 3.0 | | 3.1 | w |
| 508 | 2214 | l | 3.5 | 3.5 | 3.9 | 2 |
| 509 | 0056 | l | 3.5 | 3.3 | 4.0 | 2 |
| 509 | 0433 | l | 3.5 | 3.5 | 4.0 | 2 |
| 509 | 0700 | h | 4.6 | 4.7 | 4.7 | 2 |
| 509 | 0717 | l | 3.2 | 3.1 | 3.5 | 2 |
| 509 | 0731 | l | 3.3 | 2.9 | 3.9 | 2 |
| 509 | 0820 | h | 3.2 | 3.1 | 3.8 | 2 |
| 509 | 0833 | l | 3.3 | 3.4 | 3.8 | 2 |
| 509 | 1008 | l | 3.2 | 3.3 | 3.8 | 2 |
| 509 | 1411 | l | 3.7 | 3.7 | | 2 |
| 509 | 1525 | l | 3.0 | 3.0 | 3.4 | 2 |
| 509 | 1639 | l | 3.2 | | 3.6 | w |
| 509 | 1807 | h | 4.6 | 4.5 | 4.6 | 2 |
| 509 | 1827 | l | 3.3 | 3.4 | 3.7 | 2 |
| 509 | 1905 | l | 3.4 | 3.3 | 3.7 | 2 |
| 509 | 2130 | l | 3.6 | 3.8 | 4.0 | 2 |
| 509 | 2204 | h | 3.1 | 3.0 | 3.4 | 2 |
| 510 | 0115 | l | 3.6 | 3.6 | 4.0 | 2 |
| 510 | 0323 | l | 3.3 | 3.1 | 3.7 | 2 |
| 510 | 0551 | l | 3.7 | 3.8 | 4.1 | 2 |
| 510 | 0927 | l | 3.8 | 3.7 | 4.1 | 2 |
| 510 | 1117 | l | 3.5 | 3.6 | 4.0 | 2 |
| 510 | 1232 | h | 4.0 | 4.3 | 4.5 | 2 |
| 510 | 1307 | | 3.9 | | | w |
| 510 | 1322 | l | 3.4 | 3.5 | 3.9 | 2 |
| 510 | 1401 | l | 3.2 | | | w |
| 510 | 1514 | l | 3.2 | 3.3 | 3.6 | 2 |
| 510 | 1618 | l | 3.3 | 3.2 | 3.6 | 2 |
| 510 | 1736 | l | 4.0 | 3.9 | 4.3 | 2 |
| 510 | 1817 | l | 3.1 | 3.0 | 3.1 | 2 |
| 510 | 2027 | l | 3.3 | 3.5 | 3.8 | 2 |
| 510 | 2120 | l | 3.2 | 3.0 | 3.1 | 2 |
| 511 | 0047 | h | 3.1 | | 3.1 | w |
| 511 | 0120 | l | 3.7 | 3.7 | 4.1 | 2 |
| 511 | 0304 | l | 3.1 | 3.1 | 3.5 | 2 |
| 511 | 0401 | h | 4.5 | 4.3 | 4.6 | 2 |
| 511 | 0420 | l | 3.4 | | 3.7 | w |
| 511 | 0547 | l | 3.5 | 3.6 | 3.9 | 2 |
| 511 | 0810 | h | 3.6 | 3.7 | 4.1 | 2 |
| 511 | 0816 | l | 3.5 | 3.5 | 3.9 | 2 |
| 511 | 1020 | l | 3.4 | 3.4 | 3.9 | 2 |
| 511 | 1330 | h | 4.1 | 4.2 | 4.4 | 2 |
| 511 | 1406 | h | 3.1 | | | w |
| 511 | 1502 | l | 3.6 | 3.7 | 4.0 | 2 |
| 511 | 1713 | l | 3.3 | | 3.8 | w |
| 511 | 1940 | l | 3.3 | 3.4 | 3.9 | 2 |
| 511 | 2043 | h | 3.5 | 3.6 | 3.9 | 2 |
| 511 | 2247 | h | 4.0 | 4.2 | 4.3 | 2 |
| 512 | 0006 | l | 3.4 | 3.4 | 3.7 | 2 |
| 512 | 0246 | l | 3.4 | 3.5 | 3.7 | 2 |
| 512 | 0248 | h | 3.2 | 3.0 | 3.5 | 2 |
| 512 | 0525 | l | 3.5 | 3.3 | 3.9 | 2 |
| 512 | 0809 | l | 3.4 | 3.4 | 3.8 | 2 |
| 512 | 1019 | l | 3.0 | 3.0 | 3.6 | 2 |
| 512 | 1212 | l | 3.5 | 3.8 | 4.2 | 2 |
| 512 | 1541 | l | | 3.5 | | 2 |
| 512 | 1626 | h | 4.9 | 4.8 | | 2 |
| 512 | 1647 | l | | 3.7 | | 2 |
| 512 | 1724 | l | | 3.6 | | 2 |
| 512 | 1842 | l | | 3.7 | | 2 |
| 512 | 1933 | l | | 3.3 | | 2 |
| 512 | 2033 | h | 4.6 | 4.8 | | 2 |
| 512 | 2045 | l | | 3.1 | | 2 |
| 512 | 2151 | | | 3.0 | | M |
| 512 | 2300 | l | | 3.3 | | 2 |
| 513 | 0100 | h | | 3.0 | | 2 |
| 513 | 0131 | h | | 4.0 | | 2 |
| 513 | 0201 | l | | 3.2 | | 2 |
| 513 | 0449 | l | | 3.2 | | 2 |
| 513 | 0900 | l | | 3.5 | | 2 |
| 513 | 1112 | l | | 3.7 | | 2 |
| 513 | 1852 | l | | 3.7 | | 2 |
| 513 | 2239 | l | | 3.4 | | 2 |
| 514 | 0219 | h | 4.5 | 4.5 | | 2 |
| 514 | 0234 | l | | 3.2 | | 2 |
| 514 | 0326 | l | | 3.1 | | 2 |
| 514 | 0501 | l | | 3.7 | | 2 |
| 514 | 0707 | h | | 3.2 | | 2 |
| 514 | 0711 | l | | 3.2 | | 2 |
| 514 | 0944 | h | | 3.7 | | 2 |
| 514 | 1045 | l | | 3.1 | | 2 |
| 514 | 1320 | l | | 3.0 | | 2 |
| 514 | 1408 | h | | 3.8 | | 2 |
| 514 | 1442 | l | | 3.3 | | 2 |
| 514 | 1504 | l | 3.1 | 3.1 | 3.2 | 2 |
| 514 | 1645 | h | 3.0 | 2.9 | 3.2 | 2 |
| 514 | 1849 | l | 3.6 | 3.7 | 4.1 | 2 |
| 514 | 2018 | l | 3.3 | 3.1 | 3.5 | 2 |
| 514 | 2347 | l | 3.5 | 3.6 | 4.0 | 2 |
| 515 | 0049 | l | 3.1 | 3.0 | | 2 |
| 515 | 0052 | h | 3.0 | | 3.1 | w |
| 515 | 0436 | l | 3.1 | | 3.2 | w |
| 515 | 0649 | l | 3.6 | 3.6 | 4.1 | 2 |
| 515 | 0803 | l | 3.3 | 3.3 | 3.6 | 2 |
| 515 | 0914 | h | 3.8 | 3.8 | | 2 |
| 515 | 0921 | h | 3.3 | 3.4 | 3.7 | 2 |
| 515 | 1037 | l | 3.4 | 3.3 | 3.6 | 2 |
| 515 | 1142 | h | 4.6 | 4.6 | 4.8 | 2 |
| 515 | 1152 | l | 3.3 | 3.4 | 3.8 | 2 |
| 515 | 1202 | l | 3.2 | | 3.4 | w |
| 515 | 1231 | l | 3.1 | 3.1 | 3.2 | 2 |
| 515 | 1321 | l | 3.4 | 3.5 | 3.9 | 2 |
| 515 | 1441 | l | 3.2 | 3.1 | 3.5 | 2 |
| 515 | 1631 | h | 3.3 | 3.3 | 3.6 | 2 |
| 515 | 1730 | l | 3.6 | 3.6 | 4.0 | 2 |
| 515 | 1833 | h | 3.4 | 3.4 | 3.6 | 2 |
| 515 | 2019 | l | 3.3 | 3.5 | 3.5 | 2 |
| 515 | 2304 | l | 3.0 | | 3.1 | w |
| 516 | 0012 | l | 3.1 | 3.1 | 3.5 | 2 |

| Dat | Time | ty | NEW | MSO | DUR | s |
|---|---|---|---|---|---|---|
| 516 | 0332 | l | 3.7 | 3.7 | 4.3 | 2 |
| 516 | 0500 | l | 3.1 | 3.0 | 3.7 | 2 |
| 516 | 0522 | h | 2.9 | 3.1 | 3.3 | 2 |
| 516 | 0645 | l | 3.1 | 3.1 | 3.5 | 2 |
| 516 | 0731 | l | 3.4 | 3.5 | 3.9 | 2 |
| 516 | 1116 | l | 3.5 | 3.5 | 3.9 | 2 |
| 516 | 1234 | h | 4.7 | 4.6 | 4.7 | 2 |
| 516 | 1240 | l | 3.2 | 3.5 | 2.7 | 2 |
| 516 | 1243 | h | 3.5 | 3.4 | 3.9 | 2 |
| 516 | 1248 | l | 3.2 | 3.0 | 3.6 | 2 |
| 516 | 1256 | l | 2.9 | 3.0 | 3.6 | 2 |
| 516 | 1328 | h | 3.9 | 3.8 | 4.1 | 2 |
| 516 | 1406 | l | 3.0 | 2.9 | 3.5 | 2 |
| 516 | 1423 | h | 4.0 | 4.1 | 4.3 | 2 |
| 516 | 1521 | l | 3.0 | 2.9 | 3.5 | 2 |
| 516 | 1604 | l | 3.0 | | 3.4 | w |
| 516 | 1618 | l | 3.8 | 3.7 | 4.1 | 2 |
| 516 | 2038 | h | 3.4 | 3.7 | 3.8 | 2 |
| 517 | 0000 | l | 3.2 | 3.3 | 3.7 | 2 |
| 517 | 0003 | h | 3.5 | 3.3 | 3.6 | 2 |
| 517 | 0121 | l | 3.2 | 3.0 | 3.5 | 2 |
| 517 | 0143 | l | 3.2 | 3.0 | 3.5 | 2 |
| 517 | 0237 | l | 3.2 | 3.3 | 3.7 | 2 |
| 517 | 0504 | l | 3.2 | 3.5 | 3.5 | 2 |
| 517 | 0533 | l | 3.3 | 3.4 | 3.7 | 2 |
| 517 | 0806 | h | 3.6 | 3.5 | 3.9 | 2 |
| 517 | 0832 | l | 3.9 | 4.1 | 4.2 | 2 |
| 517 | 1158 | l | 3.4 | 3.3 | 3.7 | 2 |
| 517 | 1340 | | 3.1 | 2.8 | 3.0 | 2 |
| 517 | 1402 | | 3.1 | 3.0 | 3.3 | 2 |
| 517 | 1557 | | 3.5 | 3.4 | 3.9 | 2 |
| 517 | 1600 | | 3.3 | 3.1 | 3.5 | 2 |
| 517 | 1929 | | 3.6 | 3.7 | 3.9 | 2 |
| 517 | 1930 | | 3.6 | 3.5 | 3.9 | 2 |
| 517 | 2137 | | 3.2 | 3.2 | 3.6 | 2 |
| 517 | 2143 | | 3.9 | 4.0 | 4.3 | 2 |
| 517 | 2244 | | 3.2 | 3.2 | 3.5 | 2 |
| 517 | 2308 | | 3.1 | 3.0 | 3.5 | 2 |
| 517 | 2336 | | 3.2 | 3.0 | 3.6 | 2 |
| 518 | 0152 | | 3.7 | 3.8 | 4.1 | 2 |
| 518 | 0252 | | 3.2 | 3.0 | 3.8 | 2 |
| 518 | 0621 | | 3.7 | 3.8 | 3.0 | 2 |
| 518 | 0833 | | 3.3 | | 3.5 | w |
| 518 | 0846 | | 3.5 | 3.6 | 3.9 | 2 |
| 518 | 1132 | | 3.4 | | 3.8 | w |
| 518 | 1404 | | 3.2 | 3.0 | 3.5 | 2 |
| 518 | 1437 | | 3.6 | 3.7 | 4.1 | 2 |
| 518 | 1533 | | 5.0 | 5.0 | 5.7 | 2 |
| 518 | 2125 | | (3.6) | | | w |
| 518 | 2128 | | (3.7) | | | w |
| 518 | 2146 | | (3.6) | 3.5 | | 2 |
| 518 | 2152 | | (4.1) | 3.5 | | 2 |
| 518 | 2154 | | (4.0) | | | w |
| 518 | 2156 | | (3.5) | | | w |
| 518 | 2157 | | (3.7) | | | w |
| 518 | 2159 | | (4.0) | 3.1 | | 2 |
| 518 | 2200 | | (3.6) | | | w |
| 518 | 2205 | | (3.5) | | | w |
| 518 | 2205 | | (3.8) | 3.4 | | 2 |
| 518 | 2211 | | (3.8) | 3.1 | | 2 |
| 518 | 2213 | | (3.9) | 3.2 | | 2 |
| 518 | 2216 | | (3.5) | | | w |
| 518 | 2218 | | (4.1) | 3.5 | | 2 |
| 518 | 2227 | | (4.1) | 3.4 | | 2 |
| 518 | 2228 | | (3.7) | | | w |
| 518 | 2235 | | (4.2) | 3.7 | | 2 |
| 518 | 2237 | | (4.0) | 3.8 | | 2 |
| 518 | 2238 | | (4.1) | 3.9 | | 2 |
| 518 | 2248 | | (4.2) | 3.9 | | 2 |
| 518 | 2249 | | (4.2) | 3.9 | | 2 |
| 518 | 2250 | | (4.3) | 3.8 | | 2 |
| 518 | 2254 | | (4.5) | 4.1 | | 2 |
| 518 | 2256 | | | | 3.3 | w |
| 518 | 2259 | | (4.2) | 3.8 | | 2 |
| 518 | 2300 | | (4.0) | 3.4 | | 2 |
| 518 | 2303 | | (4.0) | 3.4 | | 2 |
| 518 | 2306 | | (3.9) | | | w |
| 518 | 2307 | | (4.3) | 3.6 | | 2 |
| 518 | 2309 | | (4.1) | 3.4 | | 2 |
| 518 | 2314 | | (4.1) | 3.4 | | 2 |
| 518 | 2316 | | (3.6) | 3.1 | | 2 |
| 518 | 2323 | | (3.8) | 3.1 | | 2 |
| 518 | 2326 | | (3.6) | | | w |
| 518 | 2354 | | | 3.7 | 3.2 | 2 |
| 519 | 0017 | | | | 3.0 | w |
| 519 | 0018 | | (4.0) | 3.3 | | 2 |
| 519 | 0052 | | 3.4 | | 3.2 | w |
| 519 | 0054 | | 3.0 | 3.1 | 3.3 | 2 |
| 519 | 0055 | | | 3.0 | | M |
| 519 | 0059 | | 3.6 | 3.5 | 3.5 | 2 |
| 519 | 0133 | | 3.5 | 3.3 | 3.4 | 2 |
| 519 | 0719 | | 3.8 | 3.7 | 3.7 | 2 |
| 519 | 0740 | | 3.0 | 3.0 | 3.1 | 2 |
| 519 | 1422 | | 3.7 | 3.7 | 3.4 | 2 |
| 521 | 1603 | | 3.3 | | 3.6 | w |
| 521 | 2226 | | 3.1 | 2.9 | 3.2 | 2 |