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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# EARTHQUAKE LOCATION DATA FOR THE SOUTHERN GREAT BASIN OF NEVADA AND CALIFORNIA: 1984 THROUGH 1986

by

S. C. Harmsen and A. M. Rogers

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Company names are for descriptive purposes only and do not constitute endorsement by the U.S. Geological Survey.

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# Earthquake Location Data for the southern Great Basin of Nevada and California: 1984 through 1986


## Abstract

This report presents data in map and table form for earthquake parameters such as hypocentral coordinates and magnitudes for earthquakes located by the southern Great Basin Seismic network for the time period January 1, 1984, through December 31, 1986. These maps show concentrations of earthquakes in regions previously noted to be seismically active, including the Pahranagat Shear Zone, Pahroc Mountains, southern Nevada Test Site, Timber Mountain, Black Mountain, Gold Mountain, Montesuma Range, and Grapevine Mountains. A concentration of earthquake activity in the Reveille Range was observed in 1986, in a previously inactive area. The northern Nevada Test Site had fewer earthquakes than a comparable area of the southern Nevada Test Site, indicating that the low-yield nuclear testing program is not currently triggering significant numbers of aftershocks. Yucca Mountain and Crater Flat continued to yield very few microearthquakes during the 1984-1986 monitoring period. Depths of focus for well-located earthquakes continue to indicate a weakly bimodal distribution, with peaks at 1-2 and 8-9 km below sea level and a local minimum at 4-5 km.


## Introduction

The southern Great Basin seismograph network is operated by the U. S. Geological Survey to investigate seismicity and tectonics of the Yucca Mountain site and the surrounding region (radius ≈ 160 km) under an agreement with the U. S. Department of Energy (Nevada Nuclear Waste Storage Investigations Project).

This data report summarises the earthquake locations computed for the time period January 1, 1984 through December 31, 1986 using the location computed program HYPO71. Earthquake locations use the same velocity model as in previous seismicity reports (Rogers and others, 1983; Rogers and others, 1987). Earthquake local magnitudes are computed by the formulas reported in Rogers and others (1987). The velocity and certain magnitude parameters are summarised in Appendix C.

In 1984, 646 local earthquakes were located (Figure 1 and Appendix A; by "local" we mean within the map boundaries shown in Figure 1). In 1985, 1070 local earthquakes were located (Figure 2 and Appendix A). In 1986, 1176 local earthquakes were located (Figure 3 and Appendix A). Magnitudes range from 0.0 to 3.0 (Appendix A). Figure 4 shows the seismicity for the period August, 1978, through December, 1986, i. e., since the inception of the SGB seismic network. Some of the seismically active and quiescent regions discussed below are identified in Figure 1.

Figures 1 through 4 near here

During that time period, a few changes were made to seismographic station locations. In 1983 station

NMN was destroyed by vandals, and on November 2, 1984, station TCN (Thirsty Canyon) was installed to replace NMN. Single-component horizontal seismometers were installed at stations PRN, GMR, JON, EPN, GVN, and PGE in 1984. Two horizontal components are available at YMT4 and LSM. Station parameters, including coordinates, elevations, and gains, are listed in Appendix B. The electronics of the horizontal component seismic stations are discussed in appendix D, along with some calibration notes.

## Acknowledgments

Field equipment was maintained and calibrated by personnel from Stanwick, Inc., and Cerberonics, Inc. under the supervision of Dee Overturf and Tom Bice, U. S. Geological Survey. Phase data were scaled by Pingsheng Chang, David Hampson, and Susanne Shelley, to whom we are grateful.

## Discussion

This data report is being distributed without detailed discussion for the sake of rapid information dissemination. Discussions of seismicity patterns, focal mechanisms, and tectonic implications from data collected from 1978 through 1983 are available in Rogers and others (1987). The data of this report do not substantially modify earlier conclusions.

A few summary observations about earthquake distributions follow. (1). The seismicity at the Nevada Test Site (NTS) appears qualitatively different from that at other subregions of the southern Great Basin having comparable rates of seismicity. All other active areas show swarms having 50 or more earthquakes in a small area and brief time span, whereas NTS seismicity does not contain such swarms. Figures 5 and 6 show the cumulative numbers of earthquakes located from December 1978 through June 1986 in the southern and northern NTS, respectively. Also note that, at present, the southern NTS is about twice as active as the northern NTS, which contains the three testing zones. Pahute Mesa, Rainier Mesa, and Yucca Flat, indicating that nuclear-testing-induced activity in the northern NTS is perhaps less significant than it has been in the past. Figure 7, showing the seismicity rates for the Pahroc and Pahranagat regions, indicates two concentrated swarms. Figure 8, showing the seismicity rates for Sarcobatus Flat, reveals multiple swarms, as does figure 9, showing seismicity rates for the Grapevine Mountains and Gold Mountain. The absence of distinct swarms in the seismically active southern NTS was noted in an earlier report (Rogers and others, 1983). This difference could be an artifact of the limited monitoring period, related to explosion-induced seismicity properties, or a result of deep-seated tectonic differences at the NTS compared to the surrounding region. At present it is not possible to choose between these various possibilities.

Figs. 5 through 9 near here

(2). The bimodal distribution of depth of focus for earthquakes of the southern Great Basin continues to be observed in the 1984-1986 data. Figure 10 shows that well-located earthquakes (HYPO71 "A" and "B" quality solutions) have a skewed, but bimodal distribution, with peaks at 1-2 km and 7-8 km below sea level. The large number of very shallow focus earthquakes is in large part due to unmodeled high-velocity shallow rock at the Reveille and Belted Ranges, where approximately 210 earthquakes were located from February to December, 1986. High-velocity surficial rock that is modeled by a lower velocity theoretical model tends to decrease depth-of-focus estimates. Figure 11 shows the average HYPO71 standard error estimate in each depth interval for the data of figure 10. Figure 12 shows the distribution of depth-of-focus for all HYPO71 "A", "B", and "C" quality earthquakes. Proportionately more deeper-focus earthquakes (i.e., $z > 8$ km) appear in this data set than in the one shown in figure 10. The dependence of estimated depth of focus on the velocity model used to perform the earthquake location in networks having relatively sparse station

distribution, such as the southern Great Basin network, is a problem when shallow rock velocities exhibit significant lateral variation. Future plans for the network include setting up temporary networks of densely spaced seismographic stations to improve earthquake location estimates and velocity structure information in swarm regions. In particular, such networks should provide more accurate data about the possible existence of zones of detachment within the seismogenic crust.

Figs. 9-11 near here

## Seismicity at Yucca Mountain and Vicinity

In the period January, 1985 through December, 1986, eight earthquakes were detected at Yucca Mountain and immediately to the west in Crater Flat (Fig. 13). The maximum magnitude was $M_L = 0.9$. There were no Yucca Mountain earthquakes detected in 1984. Table 1 summarizes the earthquake location parameters. A report on Yucca Mountain seismicity, containing focal mechanisms and a joint hypocenter-velocity inversion, is in preparation.

Fig. 13 near here

| DATE TIME (UTC) | LAT., ° N. | LONG., ° W. | N-S sdy (km) | E-W sdx (km) | Depth±sds (km) | $M_L$ | Dist. to site (km) |
|---|---|---|---|---|---|---|---|
| 850214 04:51:25 | 36.728 | 116.488 | 2.6 | 2.9 | 0.2±3.0 | 0.87 | 13.8 |
| 850417 11:03:16 | 36.850 | 116.408 | 0.2 | 0.2 | 5.3±0.4 | 0.01 | 4.5 |
| 851004 01:37:26 | 36.784 | 116.410 | 1.8 | 1.7 | 0.0±0.6 | -0.06 | 8.5 |
| 851012 04:36:43 | 36.701 | 116.434 | 0.5 | 0.7 | 9.2±0.9 | 0.47 | 16.7 |
| 860209 11:39:31 | 36.888 | 116.445 | 0.6 | 0.6 | 0.0±0.4 | 0.03 | 4.4 |
| 860624 02:41:07 | 36.725 | 116.458 | 0.2 | 0.3 | 6.2±0.6 | 0.24 | 13.9 |
| 860821 20:34:19 | 36.910 | 116.382 | 0.2 | 0.3 | 7.8±0.6 | 0.07 | 9.5 |
| 861221 09:15:37 | 36.871 | 116.564 | 0.4 | 0.4 | 8.4±0.6 | 0.61 | 9.7 |

Table 1. Summary of preliminary location parameters for earthquakes located at or near Yucca Mountain for the monitoring period 1984 through 1986. The "distance to site" represents the epicentral distance to the point 36°51'N., 116°27.5'W., near the center of a potential nuclear waste repository. Depth is relative to sea-level (0.0 km). Sdx, sdy, and sds are HYPO71 standard errors in estimates of hypocentral longitude, latitude, and depth of focus, respectively.

## Conclusions

1. Swarm areas persist for several years in many parts of the southern Great Basin (e.g., Pahranagat Shear Zone, Pahroc Mountains, Gold Mountain, and Grapevine Mountains).

2. Quiet zones persist for several years in many parts of the southern Great Basin (e.g., Yucca Mountain, Crater Flat, portions of the Desert Game Ranges, portions of the Death Valley-Furnace Creek fault system).

3. If we assume that enough time has elapsed to get reasonable samples of seismicity at the Nevada Test Site relative to other regions in the southern Great Basin, then NTS seismicity exhibits a different temporal

behavior due to its lack of intense swarm activity, which characterises other active areas in the southern Great Basin.

## References Cited


Johnson, C. E., 1979, *I. CEDAR: An approach to the computer automation of short-period local seismic networks. II. Seismotectonics of the Imperial Valley of Southern California,*: Pasadena, Calif., California Institute of Technology, unpub. Ph. D. thesis, 332 p.

Lee, W. H. K., and Lahr, J. C., 1975, HYPO71 (revised): A computer program for determining hypocenter, magnitude, and first-motion pattern of local earthquakes: *U.S. Geological Survey Open-File Report* 75-311, 116 p.

Rogers, A. M., S. C. Harmsen, W. J. Carr, and W. Spence, 1983. Southern Great Basin seismological data report for 1981 and preliminary data analysis: U. S. Geological Survey Open-File Report 83-669, 240 p.

Rogers, A. M., S. C. Harmsen, and M. E. Meremonte, 1987. Evaluation of the seismicity of the southern Great Basin and its relationship to the tectonic framework of the region, : *U. S. Geological Survey Open-File Report* 87-???, xxx p.

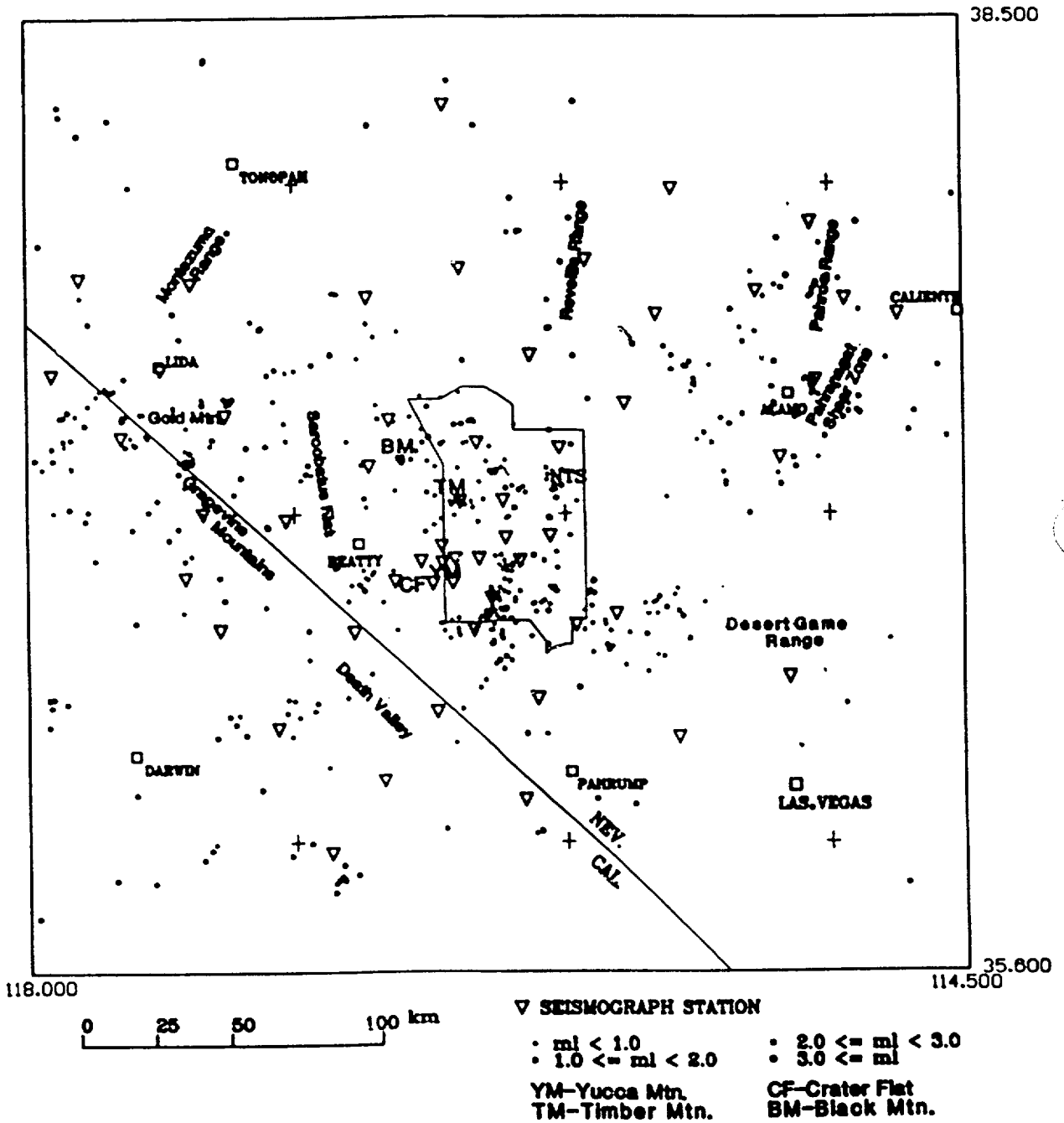


Figure 1.– Seismicity in the southern Great Basin, 1984. Seismically active and quiescent areas are identified. Towns and cities are indicated by a *square* symbol.

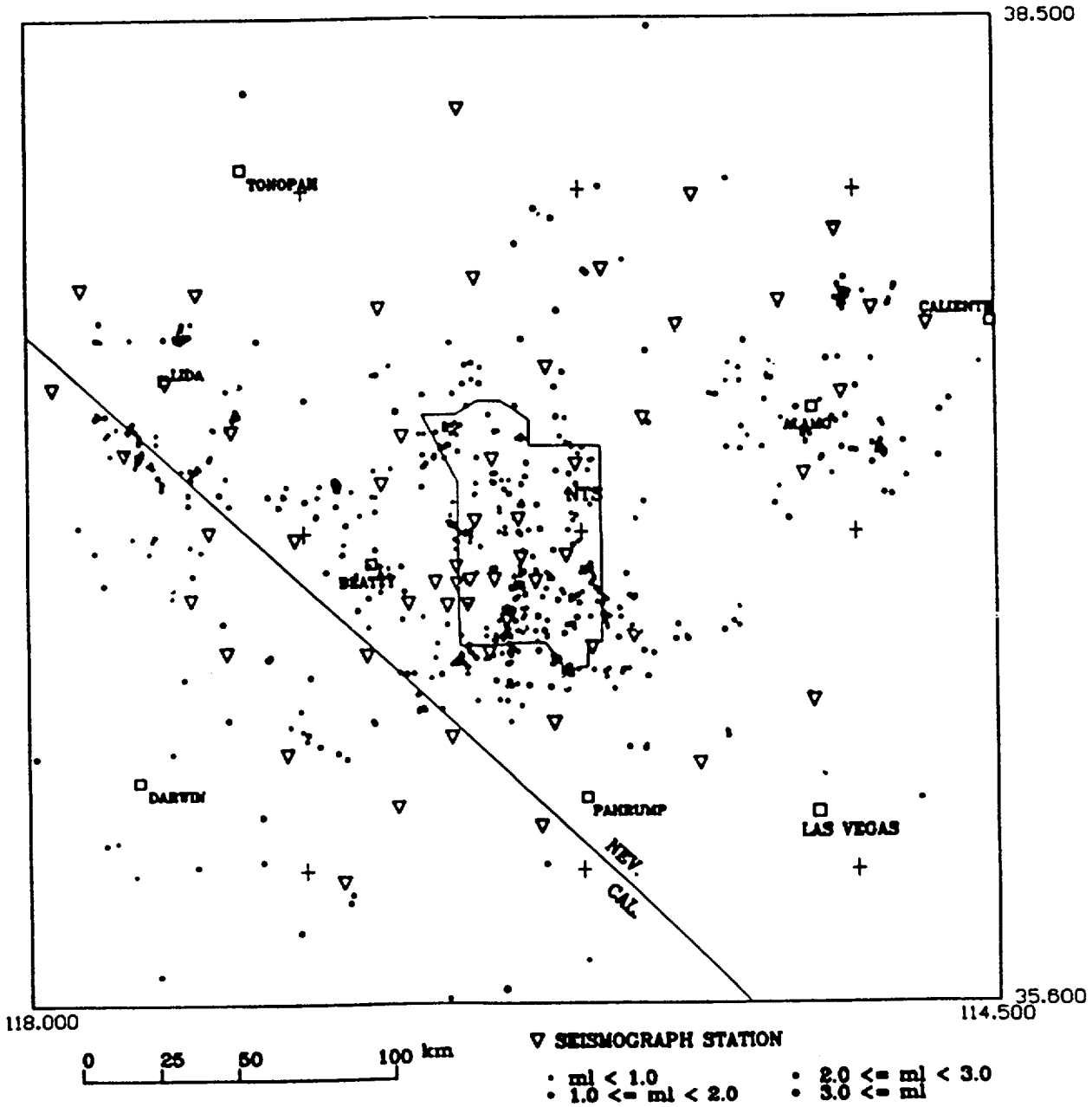


Figure 2.– Seismicity in the southern Great Basin, 1985.

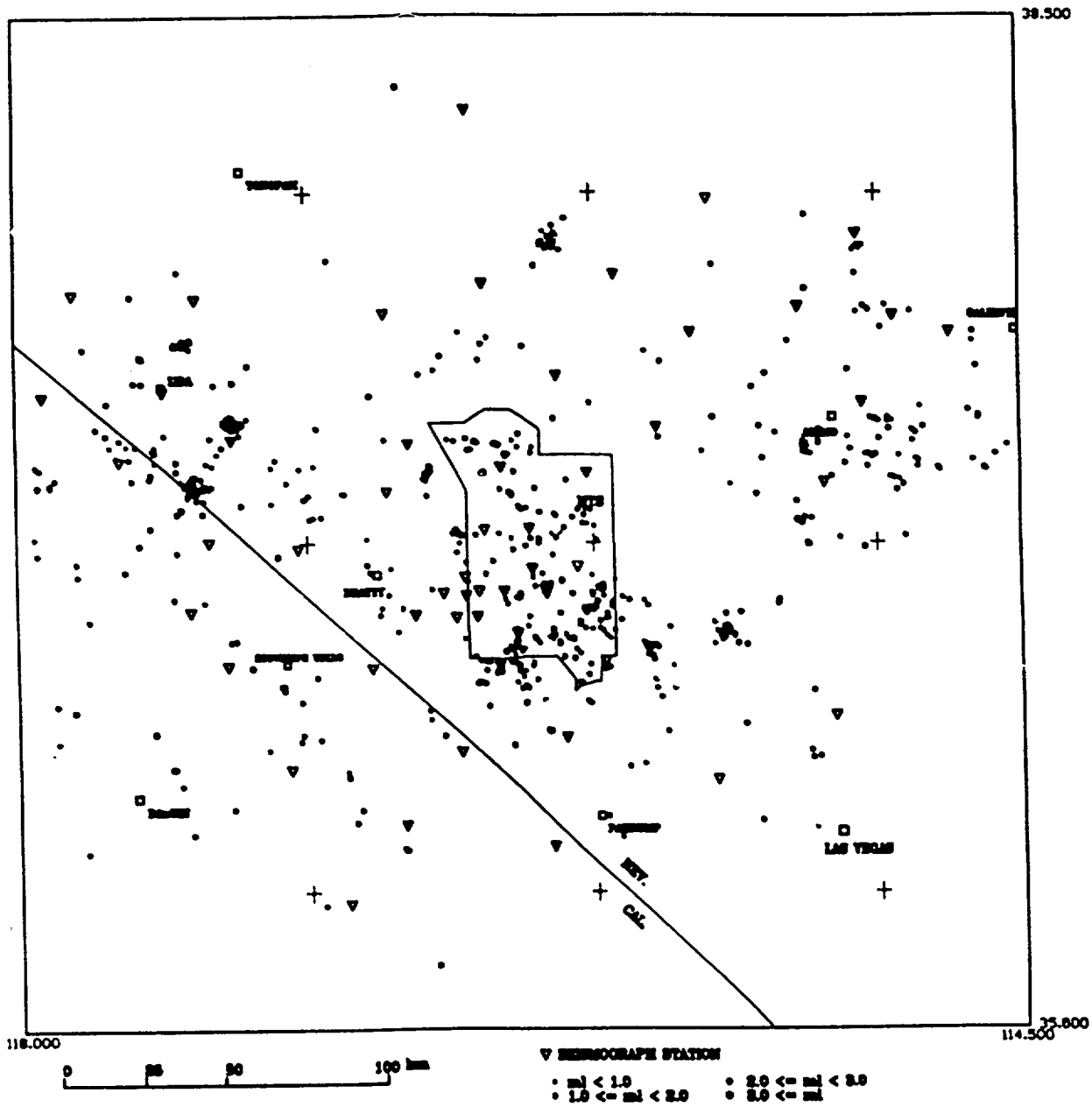


Figure 3.– Seismicity in the southern Great Basin, 1986.

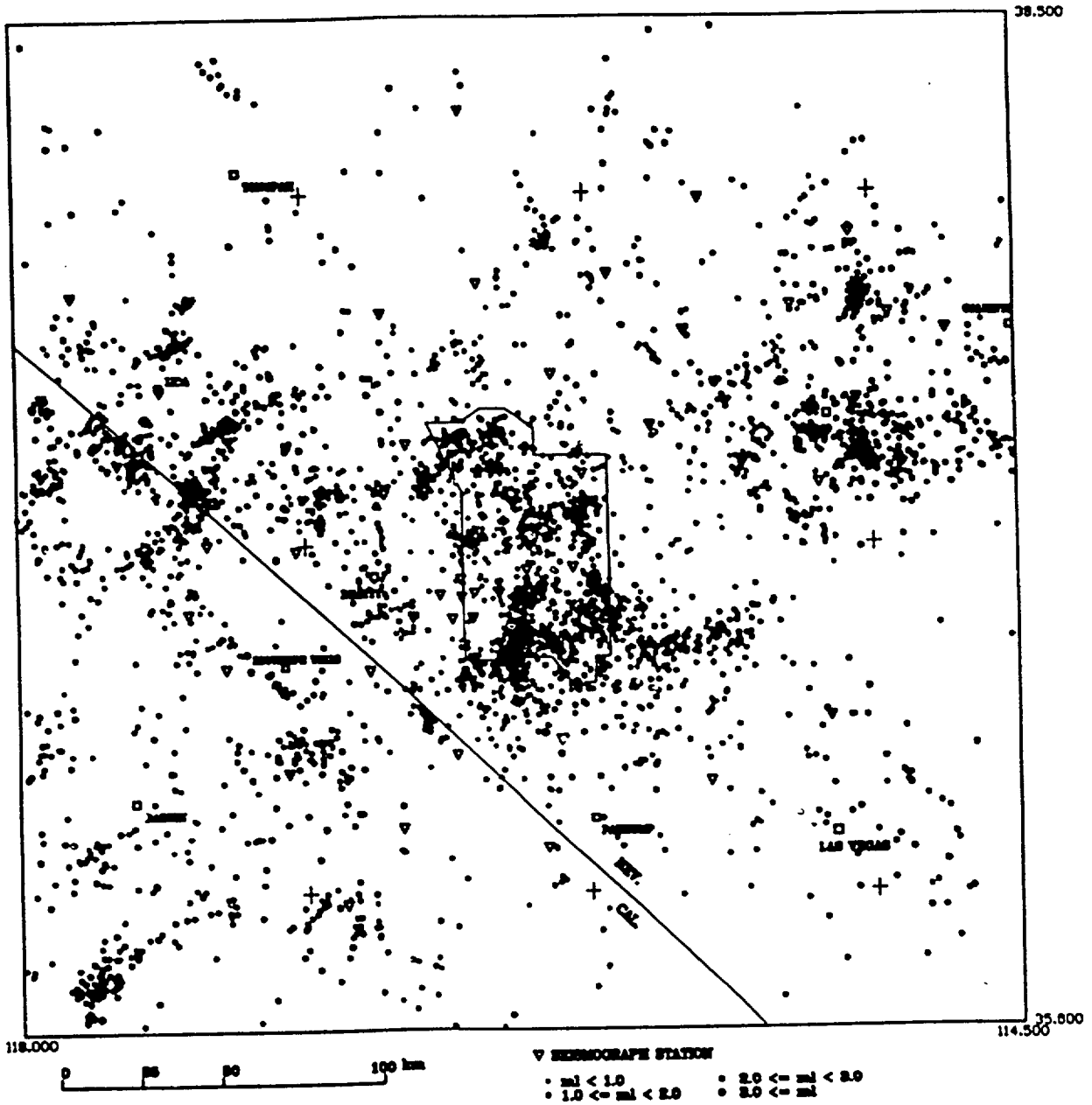


Figure 4.– Seismicity in the southern Great Basin for the period August 1, 1978, through December 31, 1986.

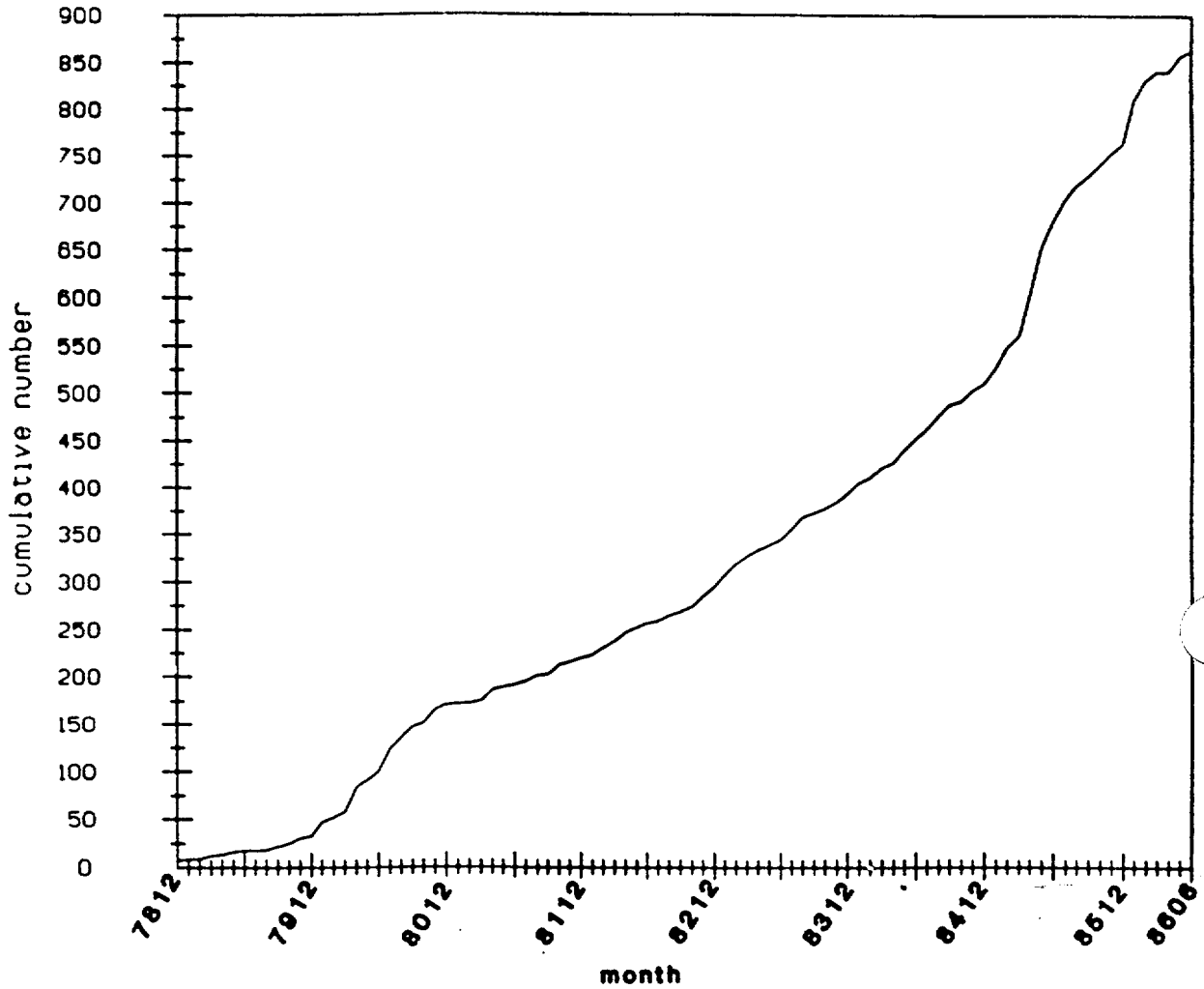


Figure 5.– Cumulative number of earthquakes detected in southern NTS, December, 1978 through June, 1986.

9075900/562

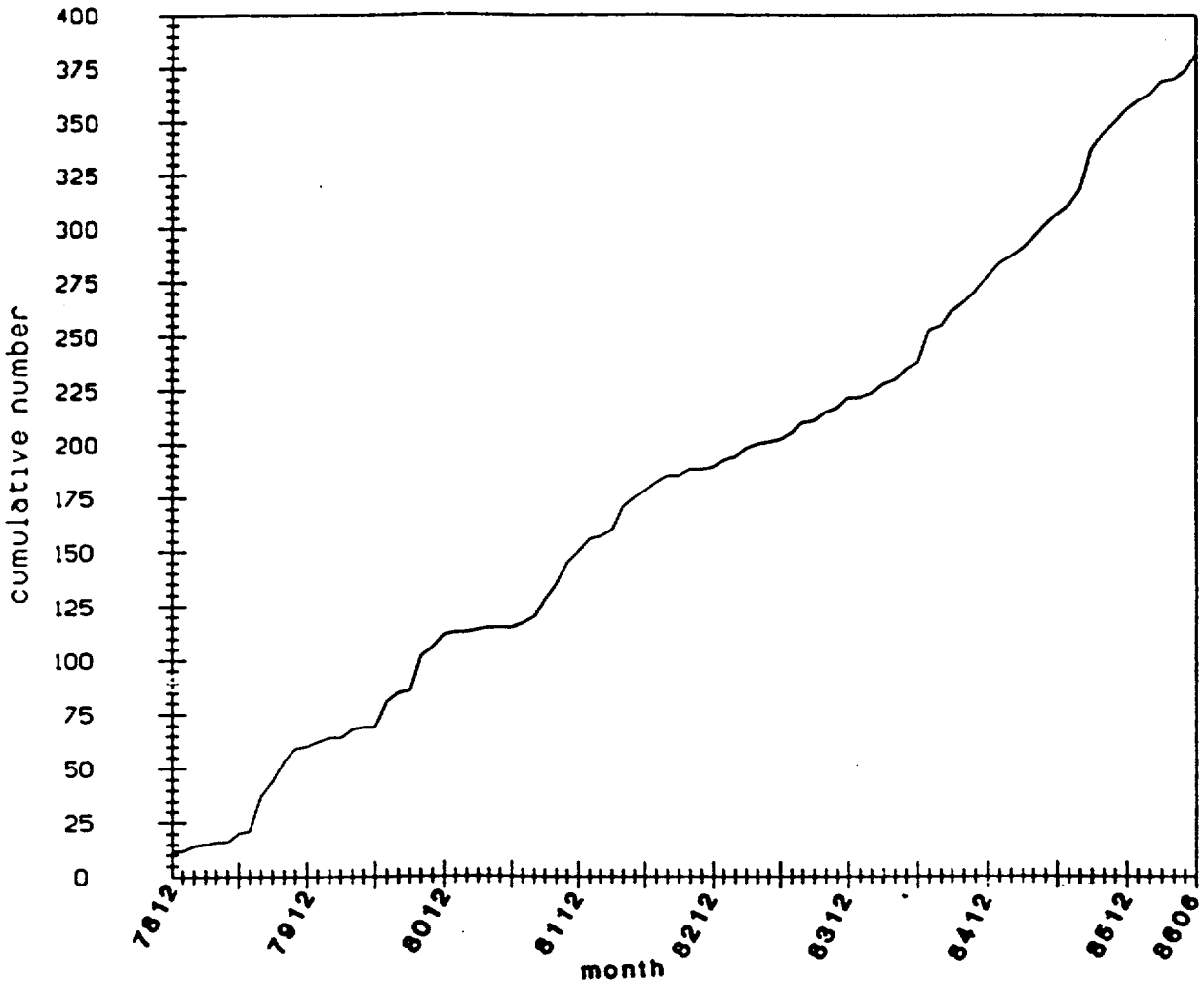


Figure 6.– Cumulative number of earthquakes detected in northern NTS, December, 1978 through June, 1986.

9075900/563

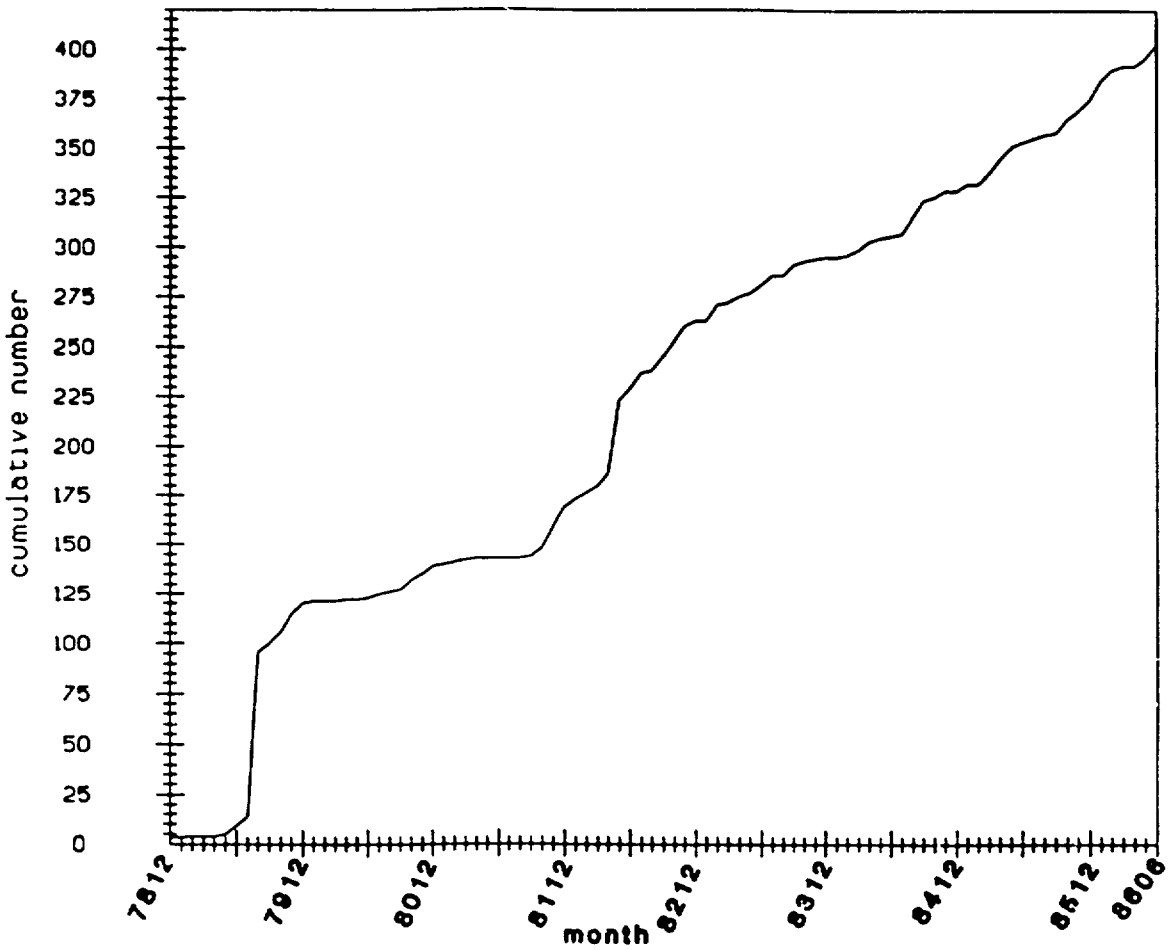


Figure 7.– Cumulative number of earthquakes detected in Pahroc and Pahranagat regions, December, 1978 through June, 1986.

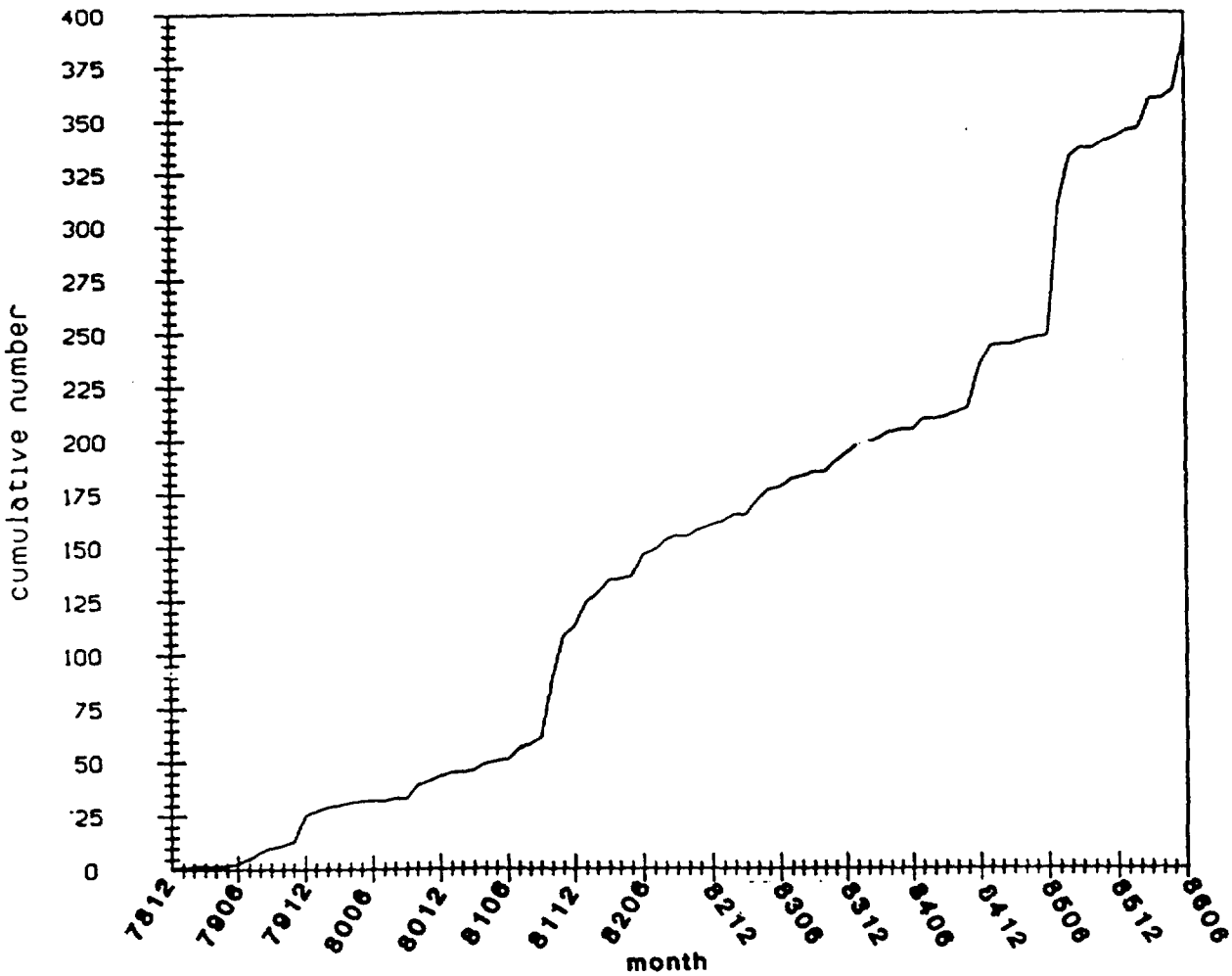


Figure 8.– Cumulative number of earthquakes detected in Sarcobatus Flats, December, 1978 through June, 1986.

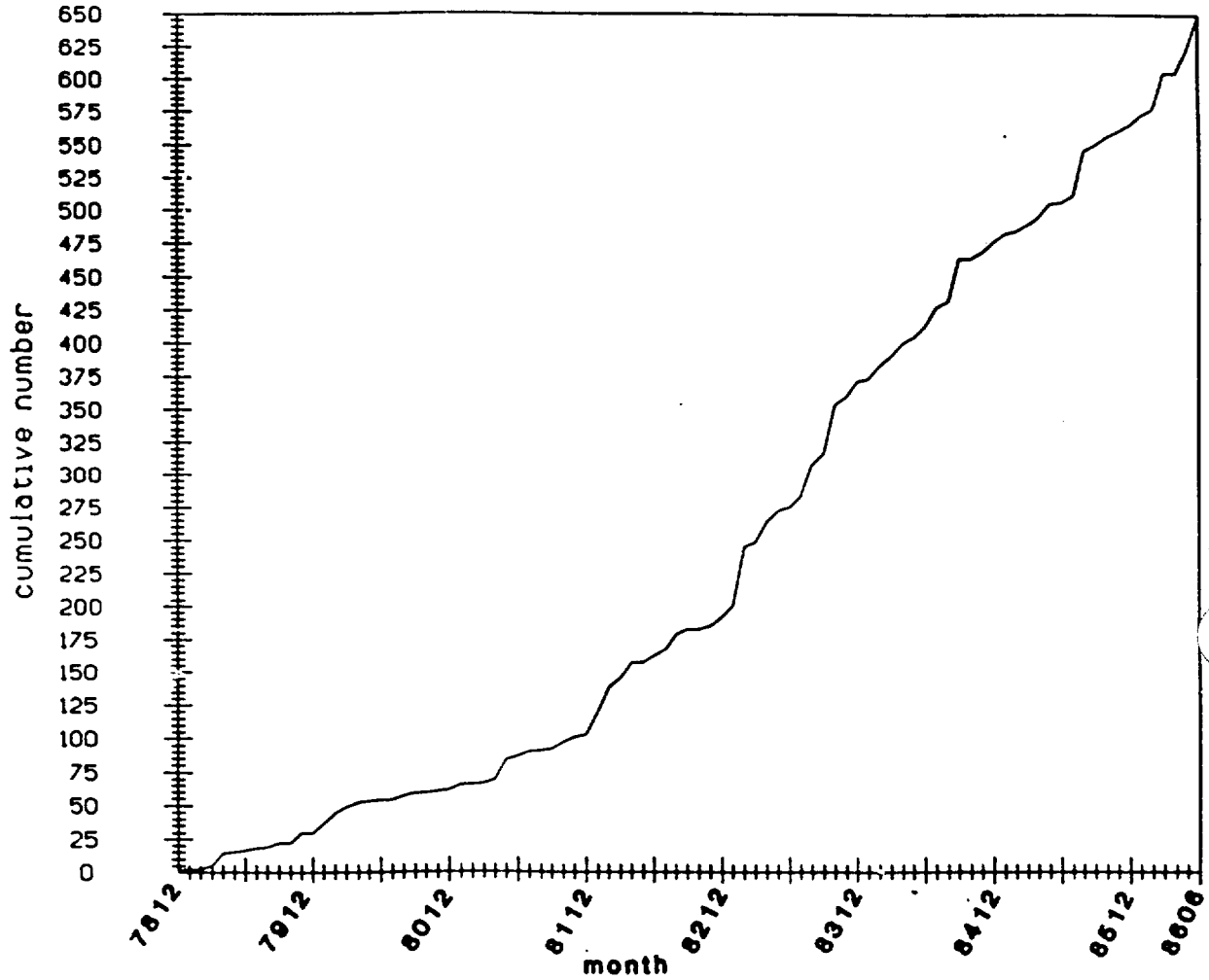


Figure 9.– Cumulative number of earthquakes detected in Grapevine Mountains and Gold Mountain region, December, 1978 through June, 1986.

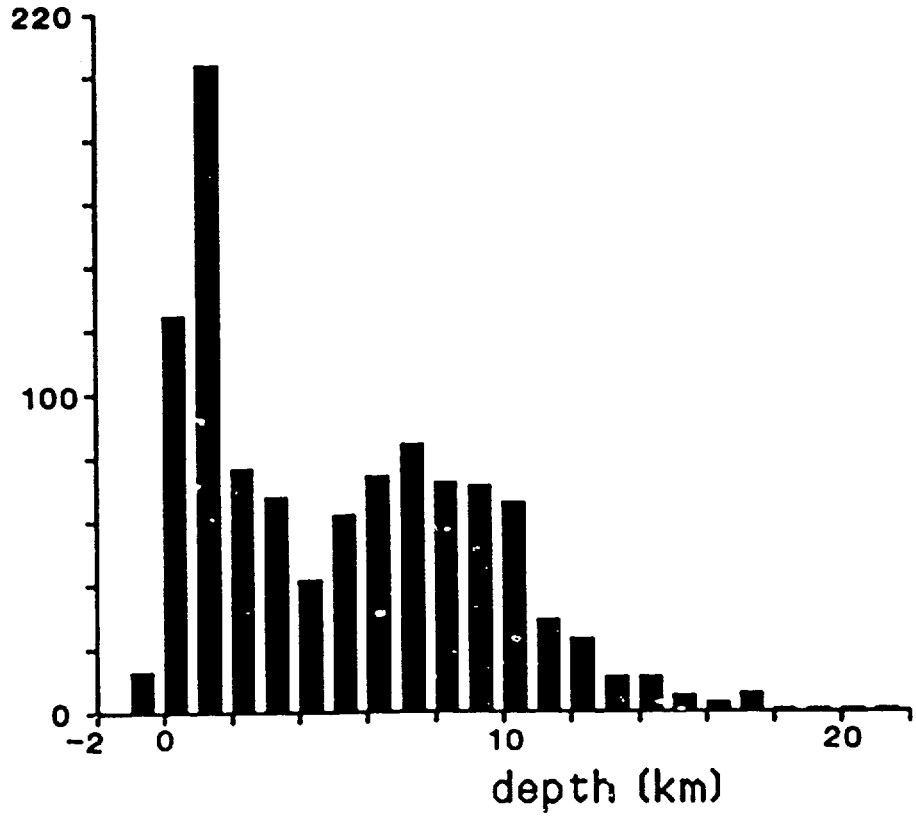


Figure 10.- Depth-of-focus distribution for well-located ("A" and "B" quality) southern Great Basin earthquakes, January 1984 through October 1986.

9075900567

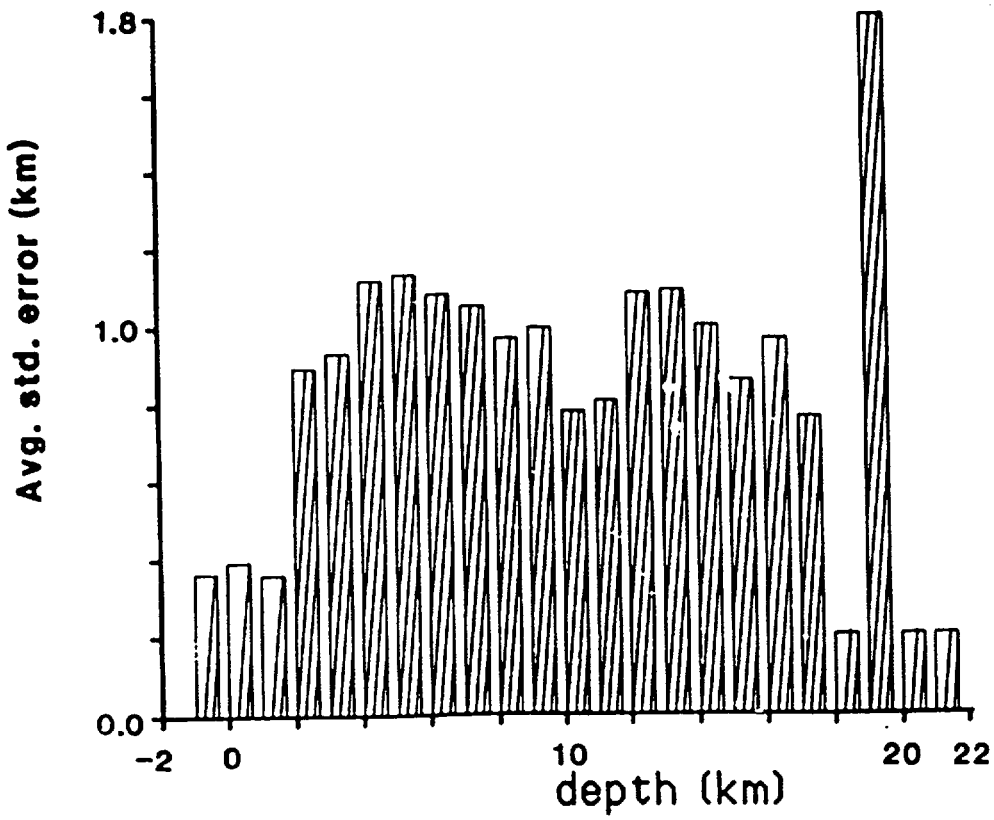


Figure 11.– Average error distribution for depth-of-focus data of Figure 10. The average error is the arithmetic mean of the HYPO71 standard errors in depth (km) for the depth-of-focus data in the intervals shown.

9075900/568

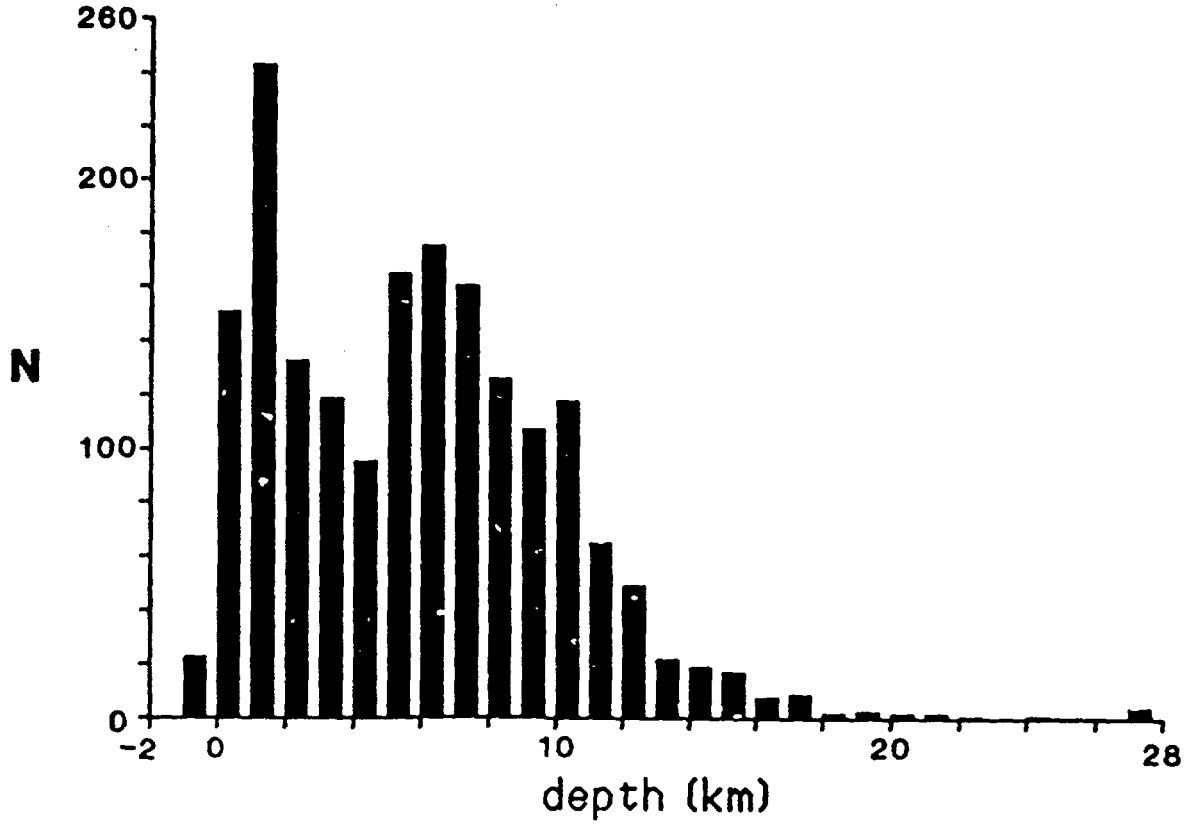


Figure 12.–Depth-of-focus distribution for "A", "B", and "C" quality southern Great Basin earthquake hypocenters, January 1984 through October 1986.

9075900/569

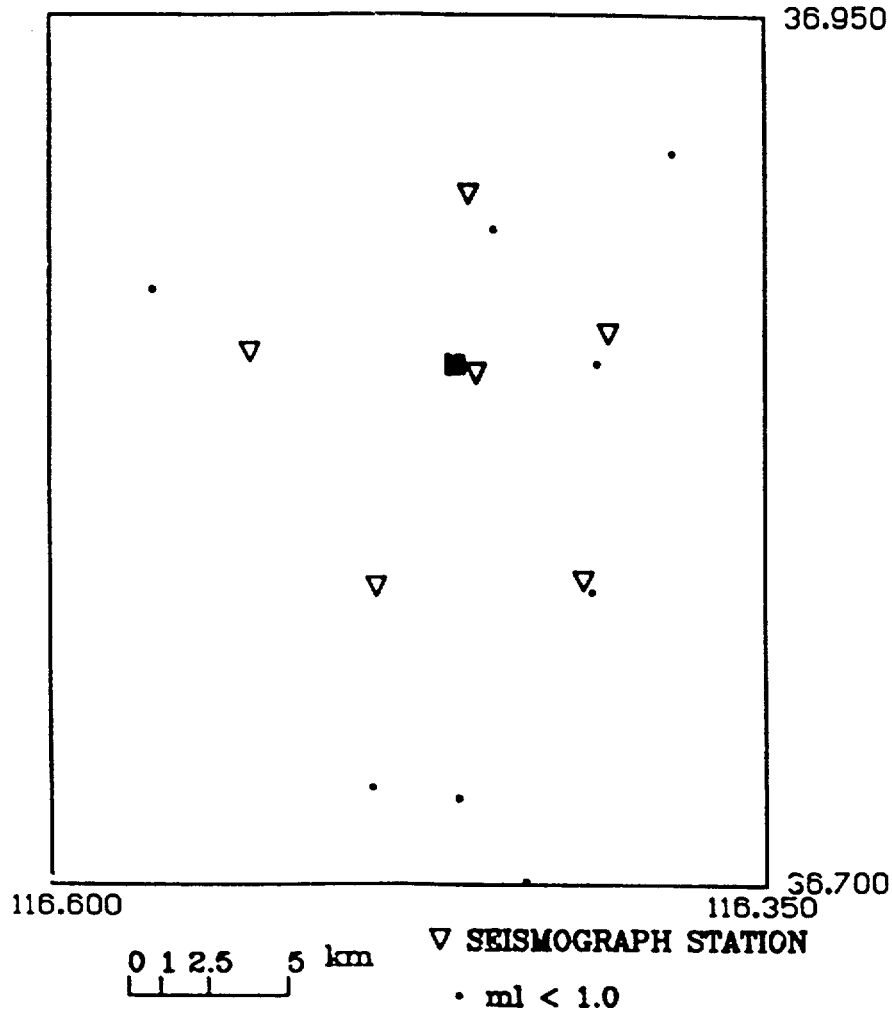


Figure 13.– Map of earthquakes detected at and near Yucca Mountain, 1985 and 1986. The square at the center of the map is the point 36°51′ N., 116°27.50′ W., representing the site of a potential nuclear waste repository.

9075900/570

## Appendix A

Earthquake locations for the years 1984, 1985 and 1986

and maps of place names to which locations are keyed

The local hypocenter summary column headings are for the most part self-explanatory. Horizontal error equals $\sqrt{sdx^2 + sdy^2}$, where $sdx$ and $sdy$ refer to the HYPO71 standard errors in longitude and latitude, respectively. Vertical error is the HYPO71 standard error in depth ($sdz$). "AZI GAP" is the azimuthal gap, i.e., the largest angle subtended by any two station-epicenter line segments. "QUAL" represents the two HYPO71 quality estimates as defined by Lee and Lahr (1975). $M_{bLg}$ is the southern Great Basin local magnitude estimate, as discussed in Rogers and others (1987). $M_d$ is the duration magnitude estimate, also discussed in Rogers and others (1987). The depths may be followed by one or two asterisks. One asterisk implies that too few phase readings were available to provide an estimate of $sdz$ and two asterisks imply that the depth was fixed at 7.0 km below sea-level, a default value used when only three phase readings are available to locate the earthquake. Finally, UCT is Universal Coordinated Time, more frequently abbreviated UTC.



9075900/571

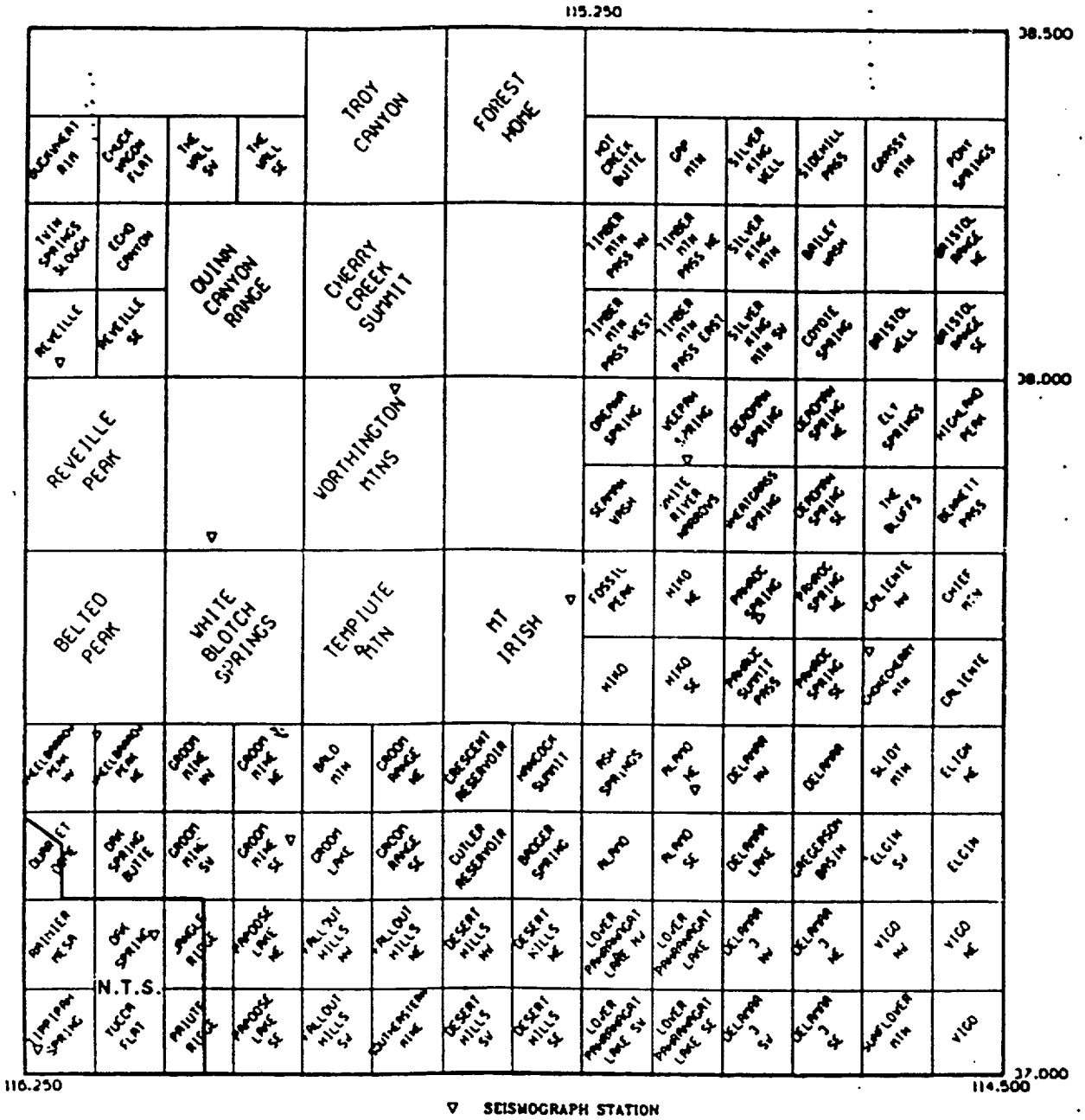


Figure 1. Place names in northeast quarter of southern Great Basin.

9075000572

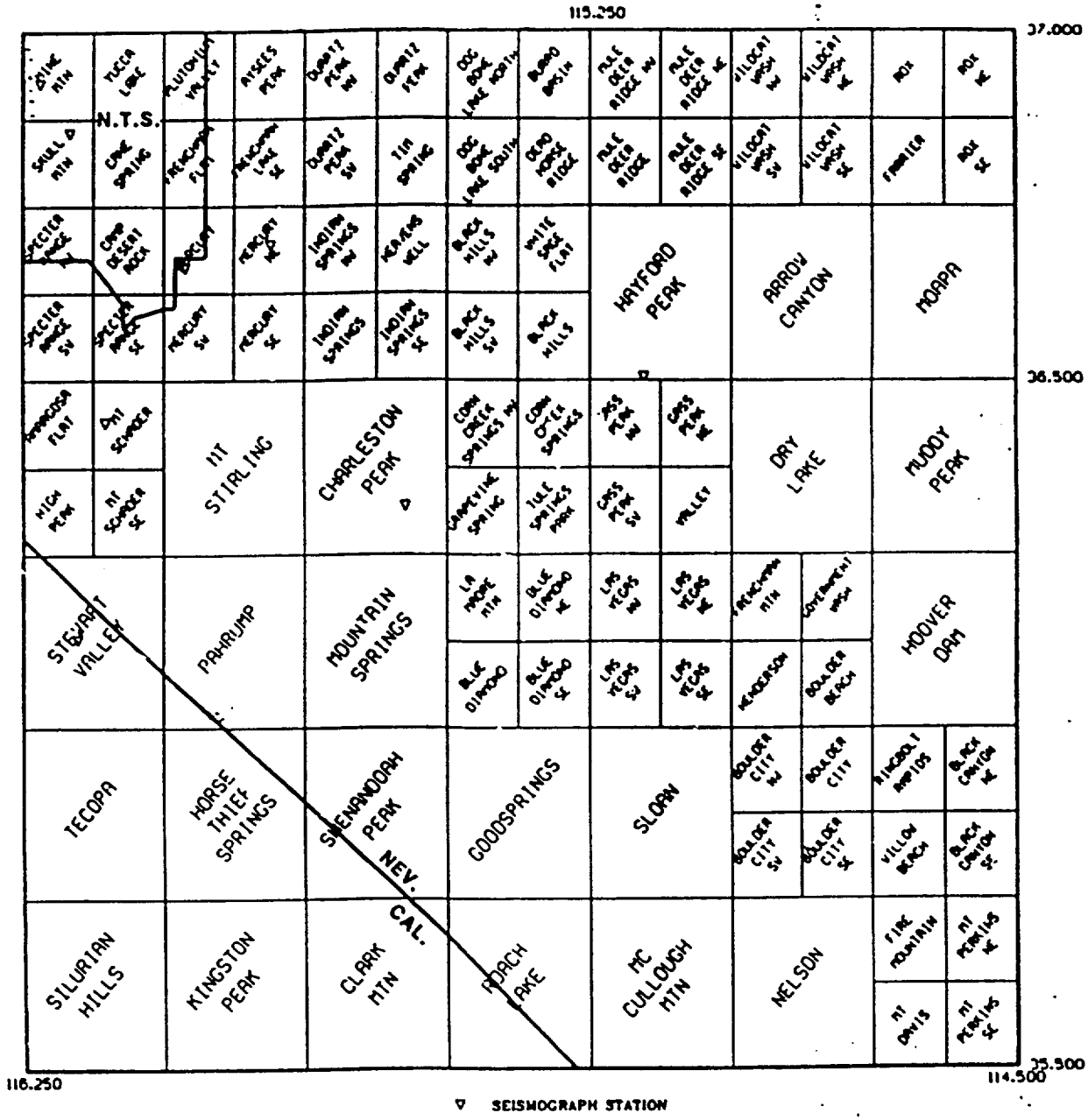


Figure 2. Place names in southeast quarter of southern Great Basin.

9075900573

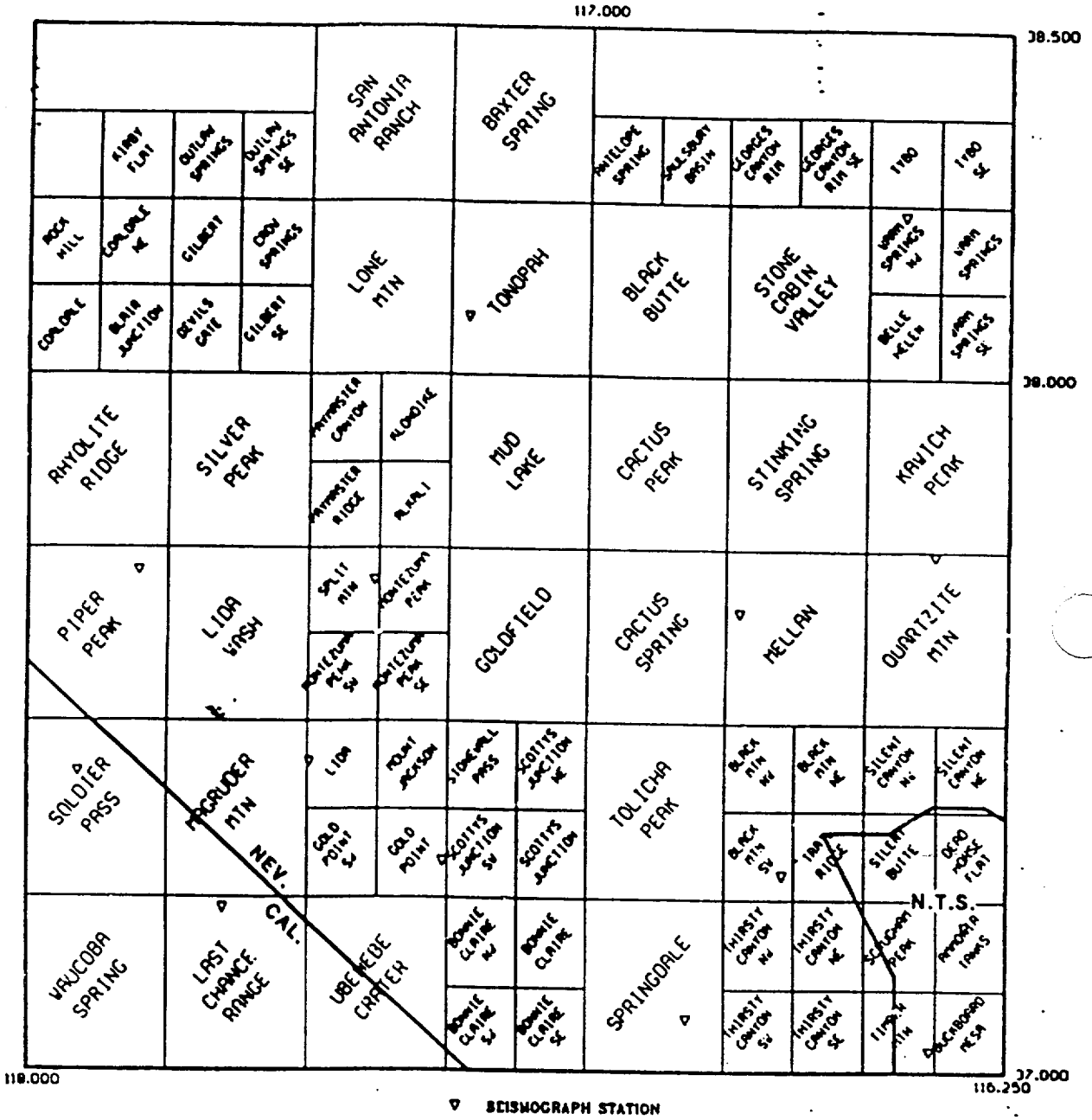


Figure 3. Place names in northwest quarter of southern Great Basin.

9075900/574

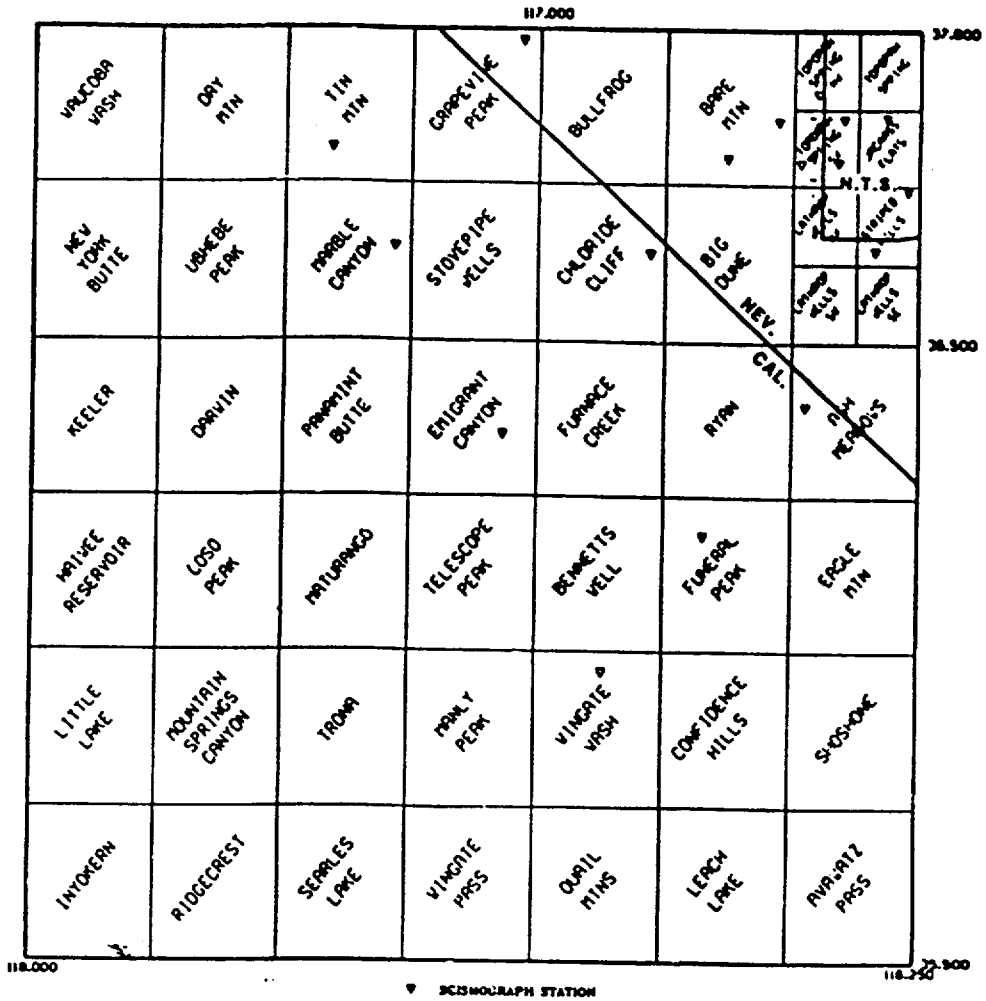


Figure 4. Place names in southwest quarter of southern Great Basin.

9075900/575

1984 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1 | 9:45:24 | 37.436 | 117.063 | 1.8 | 2.87 | 6.3 | 240 | CD | --- | 1.3 | SCOTTYS JUNCTION NE |
| 1 | 15:22:27 | 36.717 | 117.109 | 3.6 | 16.25 | 1.2 | 184 | AC | --- | 0.7 | STOVEPIPE WELLS |
| 2 | 4: 5:33 | 36.983 | 116.458 | 0.5 | 11.07 | 0.7 | 284 | AD | --- | 0.7 | TOPOPAH SPRING NW |
| 3 | 0:13:18 | 36.825 | 116.634 | 0.6 | 0.00 | 0.0 | 127 | BB | --- | 0.7 | BARE MTN |
| 3 | 15: 5:18 | 37.449 | 115.837 | 1.3 | 4.26* | --- | 137 | CC | --- | 1.2 | GROOM RANGE NE |
| 4 | 23:31:40 | 36.732 | 116.671 | 1.3 | 6.21 | 5.0 | 148 | BC | --- | 1.0 | BIG DUNE |
| 6 | 11:18: 8 | 36.886 | 116.224 | 1.3 | 3.28 | 3.1 | 107 | BB | --- | 0.4 | SKULL MTN |
| 6 | 11:20:50 | 36.839 | 116.220 | 0.5 | 3.33 | 1.1 | 133 | AB | --- | 0.5 | SKULL MTN |
| 8 | 22: 4:47 | 36.761 | 116.287 | 0.5 | 4.00 | 0.5 | 151 | AC | --- | 1.0 | JACKASS FLATS |
| 8 | 22: 4:47 | 36.765 | 116.271 | 0.3 | 4.05 | 0.4 | 77 | AA | --- | 0.0 | JACKASS FLATS |
| 8 | 23:44:14 | 36.736 | 116.077 | 0.8 | 6.28 | 3.0 | 161 | BC | --- | 0.6 | CAMP DESERT ROCK |
| 8 | 23:44:14 | 36.729 | 116.090 | 0.7 | 0.94 | 0.8 | 181 | AC | --- | 0.6 | CAMP DESERT ROCK |
| 10 | 4:41:23 | 37.893 | 115.973 | 0.7 | 3.17* | --- | 169 | CD | --- | 1.4 | ***QUAD. NOT LISTED*** |
| 10 | 18:50: 3 | 36.815 | 116.704 | 18.0 | 0.44* | --- | 317 | DD | --- | 0.9 | BARE MTN |
| 11 | 3:44:51 | 37.458 | 116.933 | 0.4 | 7.00** | 3.6 | 105 | BC | --- | 1.0 | TOLICHA PEAK |
| 11 | 18:58: 7 | 36.714 | 116.228 | 0.5 | -0.25 | 0.3 | 215 | AD | --- | 0.5 | SPECTER RANGE NW |
| 13 | 15: 4:35 | 37.167 | 117.904 | 2.7 | 2.97* | --- | 249 | CD | --- | 1.3 | WAUCOBA SPRING |
| 13 | 18:24:52 | 37.965 | 114.531 | 4.0 | 2.38* | --- | 300 | CD | --- | 1.2 | HIGHLAND PEAK |
| 14 | 11:37:52 | 37.122 | 116.900 | 0.4 | 7.27 | 1.2 | 152 | AC | --- | 1.0 | SPRINGDALE |
| 15 | 0: 0:37 | 36.706 | 116.233 | 0.5 | 2.71 | 0.5 | 215 | AD | --- | 0.4 | SPECTER RANGE NW |
| 16 | 3:31:38 | 37.171 | 118.040 | 2.3 | 7.88* | --- | 276 | CD | --- | 1.3 | ***REGIONAL*** |
| 17 | 22:30:47 | 37.516 | 115.737 | 0.5 | 2.02 | 1.6 | 129 | BC | --- | 2.1 | TEMPIUTE MTN |
| 18 | 1:44:08 | 36.708 | 116.224 | 0.5 | 1.45 | 0.9 | 219 | AD | --- | 0.8 | SPECTER RANGE NW |
| 19 | 15:38:34 | 37.122 | 116.880 | 0.3 | 7.02 | 1.2 | 103 | AB | --- | 1.1 | SPRINGDALE |
| 19 | 15:50:58 | 36.675 | 116.188 | 1.2 | 3.83 | 3.2 | 289 | BD | --- | 0.5 | SPECTER RANGE NW |
| 20 | 7: 7:23 | 37.168 | 117.970 | 20.9 | 7.00* | --- | 265 | DD | --- | 1.3 | WAUCOBA SPRING |
| 20 | 12:16:31 | 36.325 | 117.013 | 0.5 | 0.93 | 6.4 | 196 | DD | --- | 0.9 | EMIGRANT CANYON |
| 21 | 15:40:22 | 37.069 | 116.624 | 0.5 | 9.56 | 0.6 | 181 | AD | --- | 1.0 | THIRSTY CANYON SE |
| 23 | 17: 3:46 | 36.038 | 116.445 | 3.7 | 22.26 | 1.9 | 240 | CD | --- | 1.2 | EAGLE MTN |
| 23 | 20:37:55 | 37.289 | 116.889 | 1.6 | 8.16 | 4.6 | 278 | BD | --- | 1.2 | BLACK MTN SW |
| 26 | 2:14:58 | 37.613 | 117.448 | 0.3 | 6.58 | 6.9 | 122 | AB | --- | 1.1 | MONTEZUMA PEAK SW |
| 28 | 10:50:24 | 37.338 | 116.694 | 1.0 | 3.20* | --- | 270 | CD | --- | 0.8 | BLACK MTN SW |
| 29 | 7: 1:46 | 36.332 | 116.144 | 0.6 | 13.58 | 1.9 | 158 | AC | --- | 1.2 | HIGH PEAK |
| 30 | 2:21:22 | 37.217 | 116.444 | 0.4 | 12.77 | 0.9 | 208 | AD | --- | 1.0 | SCRUGHAM PEAK |
| 30 | 23:34: 2 | 36.631 | 118.238 | 0.3 | 7.72 | 0.8 | 130 | AB | --- | 1.1 | SPECTER RANGE NW |
| FEB 1 | 22: 2:35 | 37.828 | 117.843 | 1.8 | 7.63 | 8.8 | 231 | CD | --- | 1.2 | WAUCOBA SPRING |
| 2 | 9:42: 9 | 37.463 | 115.524 | 0.7 | 5.34 | 3.4 | 183 | BD | --- | 1.2 | GROOM RANGE NE |
| 3 | 0:44:30 | 36.703 | 116.278 | 0.5 | 7.88 | 0.8 | 190 | AD | --- | 1.3 | STRIPED HILLS |
| 3 | 3:21:48 | 37.452 | 115.545 | 1.4 | 3.98* | --- | 148 | CC | --- | 1.1 | GROOM RANGE NE |
| 3 | 6:53:35 | 36.681 | 116.278 | 0.4 | 10.50 | 0.5 | 198 | AD | --- | 1.0 | STRIPED HILLS |
| 4 | 21:18:49 | 37.307 | 117.572 | 0.3 | 5.54 | 1.0 | 74 | AB | --- | 1.3 | MAGRUDER MTN |
| 4 | 22:26:18 | 37.306 | 117.568 | 0.3 | 1.56 | 0.8 | 73 | AC | --- | 1.3 | MAGRUDER MTN |
| 6 | 4: 9:57 | 37.695 | 115.849 | 0.4 | 3.78 | 3.0 | 115 | BC | --- | 1.3 | MIKO NE |
| 6 | 8:16:58 | 36.688 | 116.284 | 0.4 | 10.60 | 0.4 | 197 | AD | --- | 0.6 | STRIPED HILLS |
| 6 | 11: 1:39 | 36.695 | 116.282 | 0.5 | 9.20 | 0.5 | 192 | AD | --- | 1.2 | STRIPED HILLS |
| 6 | 22: 3:57 | 37.389 | 114.923 | 0.0 | 5.40 | 4.2 | 210 | BD | --- | 1.1 | DELAMAR LAKE |
| 7 | 7:43:43 | 37.221 | 116.883 | 0.5 | 0.60 | 0.4 | 284 | AD | --- | 0.9 | SPRINGDALE |
| 7 | 8:19:49 | 37.881 | 116.188 | 1.5 | 3.36* | --- | 301 | CD | --- | 1.4 | ***REGIONAL*** |
| 8 | 13:40:13 | 37.348 | 115.910 | 0.3 | 1.49 | 0.9 | 98 | BC | --- | 1.7 | GROOM MINE SW |
| 8 | 16:34:22 | 37.583 | 117.768 | 5.2 | 19.30 | 6.7 | 280 | DD | --- | 1.2 | PIPER PEAK |
| 8 | 23:20: 7 | 36.001 | 116.628 | 95.0 | 11.50* | --- | 335 | DD | --- | 1.4 | BIG DUNE |
| 9 | 4:43:46 | 36.427 | 117.856 | 1.0 | 5.81* | --- | 275 | CD | --- | 1.6 | KEELER |
| 9 | 8:35:34 | 37.299 | 117.865 | 1.8 | 7.05 | 3.4 | 220 | BD | --- | 1.3 | SOLDIER PASS |
| 9 | 10:11:54 | 37.020 | 116.732 | 0.6 | 3.81* | --- | 136 | CC | --- | 1.0 | THIRSTY CANYON SW |
| 9 | 21:37:42 | 37.296 | 117.877 | 0.8 | 5.59 | 2.0 | 207 | BD | --- | 1.7 | SOLDIER PASS |
| 11 | 18:18:42 | 36.886 | 116.450 | 0.6 | 0.01 | 1.1 | 243 | AD | --- | 0.8 | LATHROP WELLS NW |
| 21 | 20:25:28 | 37.686 | 115.179 | 1.3 | 15.88 | 1.7 | 136 | BC | --- | 1.3 | FOSSIL PEAK |
| 21 | 23:20:16 | 37.216 | 116.822 | 1.5 | 8.73 | 4.8 | 70 | DB | 0.9 | 1.5 | THIRSTY CANYON NE |
| 23 | 1:52:40 | 37.236 | 117.618 | 1.4 | 7.49 | 0.8 | 178 | BC | --- | 1.1 | LAST CHANCE RANGE |
| 23 | 18:34:58 | 37.213 | 117.882 | 0.2 | 9.81 | 0.3 | 180 | AC | --- | 1.3 | LAST CHANCE RANGE |
| 23 | 23:30:51 | 36.645 | 116.234 | 0.7 | 5.74 | 1.1 | 236 | AD | --- | 0.6 | SPECTER RANGE NW |
| 24 | 14:33:49 | 37.228 | 116.496 | 0.2 | 0.54 | 0.3 | 103 | AC | --- | 1.4 | SCRUGHAM PEAK |
| 24 | 17:28:23 | 36.704 | 116.291 | 0.3 | 0.01 | 0.0 | 180 | AC | 0.9 | 0.9 | STRIPED HILLS |
| 24 | 21:10:58 | 37.566 | 116.048 | 1.3 | 0.10 | 1.2 | 193 | BD | --- | 0.9 | BELTED PEAK |
| 25 | 4:36: 5 | 38.979 | 118.171 | 4.2 | -1.10 | 0.7 | 279 | CD | --- | 2.0 | ***REGIONAL*** |
| 25 | 9:27:24 | 37.878 | 118.020 | 5.1 | 0.35 | 4.1 | 284 | DD | --- | 1.4 | ***REGIONAL*** |

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## 1984 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB 27 3:14:18 | 37.227 | 117.383 | 0.7 | 1.34 | 2.3 | 84 | BB | --- | 0.9 | UBEHEBE CRATER |
| 27 5:17:12 | 37.314 | 117.848 | 1.4 | 1.59 | 2.3 | 209 | BD | --- | 1.2 | SOLDIER PASS |
| 28 21:20:37 | 37.235 | 116.490 | 1.3 | 5.14 | 4.6 | 169 | BC | --- | 0.7 | SCRUGHAM PEAK |
| 29 3:55: 4 | 35.892 | 116.834 | 9.1 | 0.89 | 6.7 | 310 | DD | --- | 1.4 | WINGATE WASH |
| 29 5:31:22 | 35.891 | 116.830 | 1.7 | 0.85 | 1.3 | 268 | BD | --- | 1.4 | WINGATE WASH |
| 29 12:44:43 | 37.095 | 116.315 | 0.6 | 8.07 | 0.6 | 203 | AD | --- | 0.9 | BUCKBOARD MESA |
| 29 18:57:48 | 37.379 | 117.725 | 1.2 | 14.25 | 2.6 | 143 | BC | --- | 0.9 | MAGRUDER MTN |
| MAR 1 3:19:28 | 35.845 | 116.857 | 1.3 | 2.14 | 2.2 | 278 | CD | --- | 2.1 | WINGATE WASH |
| 1 3:40:37 | 35.887 | 116.836 | 4.0 | 0.00 | 2.8 | 268 | CD | --- | 1.5 | WINGATE WASH |
| 1 6:31:54 | 37.232 | 116.900 | 0.7 | 1.02 | 2.1 | 157 | BC | --- | 0.9 | THIRSTY CANYON NE |
| 1 11: 6:10 | 35.883 | 116.843 | 1.5 | 5.07 | 3.4 | 268 | BD | --- | 1.5 | WINGATE WASH |
| 1 11:50:23 | 35.884 | 116.820 | 14.6 | 0.11* | --- | 312 | DD | --- | 1.2 | WINGATE WASH |
| 1 15:24:52 | 35.886 | 116.820 | 13.6 | 0.14 | 9.9 | 311 | DD | --- | 1.3 | WINGATE WASH |
| 2 4:20:16 | 37.733 | 115.292 | 0.7 | 6.83 | 1.0 | 152 | AC | --- | 1.0 | MT IRISH |
| 3 3:49:24 | 35.906 | 116.828 | 26.7 | 0.51* | --- | 307 | DD | --- | 1.3 | WINGATE WASH |
| 3 5: 0:13 | 37.504 | 116.056 | 0.5 | 0.22 | 0.7 | 135 | BC | --- | 1.3 | BELTED PEAK |
| 3 10: 3:18 | 37.427 | 117.100 | 0.3 | 5.91 | 2.3 | 82 | BC | --- | 1.5 | SCOTTYS JUNCTION NE |
| 3 19: 2:33 | 35.887 | 116.822 | 9.1 | -0.21 | 6.6 | 312 | DD | --- | 1.3 | WINGATE WASH |
| 3 21: 7:37 | 35.882 | 116.819 | 5.6 | 0.41 | 6.3 | 313 | DD | --- | 1.4 | WINGATE WASH |
| 4 0: 0:17 | 35.920 | 116.823 | 1.4 | -1.19 | 0.8 | 245 | BD | --- | 1.3 | WINGATE WASH |
| 6 16:35:26 | 37.097 | 115.391 | 2.0 | 11.99 | 3.3 | 186 | BD | --- | 1.1 | DESERT HILLS SW |
| 6 16:59:33 | 37.125 | 115.389 | 0.5 | 6.04 | 3.0 | 115 | BC | --- | 1.6 | DESERT HILLS NW |
| 6 21:44:58 | 36.864 | 116.263 | 2.5 | 0.52 | 1.4 | 259 | CD | --- | 0.6 | STRIPED HILLS |
| 8 20:14:54 | 37.148 | 116.748 | --- | 2.88 | --- | 274 | AD | --- | 1.9 | THIRSTY CANYON NW |
| 9 4:11:55 | 37.188 | 117.389 | 0.4 | 5.30 | 2.6 | 112 | BC | --- | 1.3 | UBEHEBE CRATER |
| 9 6:11:47 | 37.385 | 115.064 | 0.5 | 0.97 | 0.7 | 155 | AC | --- | 1.4 | ALAMO NE |
| 9 13:30:46 | 37.046 | 116.032 | 0.7 | 7.84 | 1.5 | 153 | BC | --- | 1.4 | YUCCA FLAT |
| 9 17:19:13 | 37.278 | 116.332 | 0.3 | 5.97 | 3.4 | 44 | BC | 2.5 | 2.7 | DEAD HORSE FLAT |
| 10 12:15: 2 | 36.763 | 116.034 | 0.7 | 7.74 | 2.3 | 196 | BD | --- | 1.3 | CANE SPRING |
| 10 18:18:40 | 37.293 | 115.130 | 0.6 | 6.49 | 2.6 | 155 | BC | --- | 1.5 | ALAMO |
| 11 1:50:34 | 36.727 | 115.702 | 1.2 | 8.13 | 1.1 | 195 | BD | --- | 1.1 | INDIAN SPRINGS NW |
| 11 5:14:50 | 37.087 | 115.391 | 1.0 | 10.35 | 1.9 | 219 | AD | --- | 1.1 | DESERT HILLS SW |
| 11 7:34:28 | 36.750 | 116.265 | 0.6 | 0.81 | 0.4 | 173 | AC | --- | 0.5 | JACKASS FLATS |
| 11 14: 4:42 | 36.748 | 116.248 | 0.3 | 0.95 | 0.4 | 176 | AC | --- | 1.0 | SPECTER RANGE NW |
| 15 4:30:15 | 37.387 | 115.216 | 0.8 | 8.63 | 3.2 | 93 | BB | --- | 1.5 | ASH SPRINGS |
| 15 22: 9:49 | 37.119 | 116.935 | 0.4 | 8.82 | 0.6 | 211 | AD | --- | 1.1 | SPRINGDALE |
| 16 2:47:18 | 37.082 | 115.059 | 0.9 | 1.75 | 2.9 | 163 | BC | --- | 1.1 | HIKO NE |
| 16 6:55:27 | 36.842 | 116.265 | 0.4 | 6.63 | 0.5 | 140 | AC | --- | 1.0 | SKULL MTN |
| 16 7:28: 7 | 37.066 | 115.334 | 0.6 | 10.05 | 1.7 | 111 | AB | --- | 1.0 | MT IRISH |
| 16 10:50:39 | 37.090 | 115.201 | 0.4 | 2.92 | 3.0 | 94 | AB | --- | 1.0 | FOSSIL PEAK |
| 16 11:52:40 | 37.702 | 115.047 | 0.8 | 1.56 | 2.6 | 117 | BC | --- | 1.3 | HIKO NE |
| 17 13:19: 9 | 37.055 | 116.190 | 1.7 | 2.49 | 5.3 | 232 | CD | --- | 1.4 | REVEILLE PEAK |
| 17 17:18:29 | 37.284 | 116.338 | 0.5 | -0.20 | 1.4 | 45 | DC | 2.4 | 2.6 | DEAD HORSE FLAT |
| 18 17: 7:45 | 36.773 | 116.275 | 0.4 | 0.51 | 0.3 | 186 | BB | --- | 1.5 | JACKASS FLATS |
| 20 10:50:38 | 37.835 | 115.193 | 0.5 | 5.46 | 1.5 | 129 | AB | --- | 1.5 | SEAMAN WASH |
| 21 7: 0:35 | 35.958 | 117.019 | 2.8 | 1.35 | 5.8 | 258 | CD | --- | 1.4 | MANLY PEAK |
| 21 15:45: 2 | 36.879 | 116.203 | 0.3 | 5.81 | 1.8 | 41 | BB | --- | 1.9 | SPECTER RANGE NW |
| 21 15:48:32 | 36.885 | 116.229 | 1.0 | 11.55 | 0.8 | 229 | BD | --- | 0.8 | SPECTER RANGE NW |
| 21 15:52:57 | 36.688 | 116.198 | 0.3 | 11.00 | 1.0 | 110 | BB | --- | 1.5 | SPECTER RANGE NW |
| 21 20:39:54 | 36.736 | 116.245 | 0.9 | 0.91 | 0.4 | 192 | BD | --- | 0.8 | SPECTER RANGE NW |
| 22 10:38:56 | 36.794 | 116.723 | 28.4 | 0.04* | --- | 333 | DD | --- | 1.0 | BARE MTN |
| 23 18:59:50 | 36.759 | 116.210 | 0.2 | 5.25 | 0.2 | 230 | AD | --- | 0.4 | SKULL MTN |
| 23 23:57:49 | 37.076 | 116.216 | 0.5 | 6.98 | 0.7 | 160 | AC | --- | 0.6 | TIPPIPAH SPRING |
| 25 1:23: 1 | 37.217 | 117.599 | 3.0 | 10.97 | 1.4 | 162 | CC | --- | 0.9 | LAST CHANCE RANGE |
| 25 21:57:19 | 37.238 | 114.489 | 1.3 | 8.04 | 0.9 | 252 | CD | --- | 2.0 | ***REGIONAL*** |
| 26 22:12: 9 | 36.794 | 116.769 | 13.0 | 3.57* | --- | 337 | DD | --- | 1.5 | BULLFROG |
| 28 0: 1:47 | 37.302 | 117.819 | 9.3 | 10.55* | --- | 202 | DD | --- | 0.2 | SOLDIER PASS |
| 30 7:23:30 | 36.903 | 117.783 | 1.0 | 2.79 | 7.0 | 218 | CD | --- | 1.0 | WAUCOBA WASH |
| 30 7:30:47 | 37.011 | 117.772 | 1.0 | 1.11 | 2.2 | 206 | BD | --- | 1.0 | WAUCOBA SPRING |
| 31 1:50:20 | 37.274 | 117.784 | 0.9 | 3.85 | 5.0 | 200 | CD | --- | 1.1 | SOLDIER PASS |
| 31 3:44:12 | 37.169 | 115.136 | 0.4 | 7.00** | 1.3 | 145 | BC | --- | 2.4 | LOWER PAHRANAGAT LAKE NW |
| 31 5:17:37 | 37.009 | 117.545 | 1.1 | 2.93 | 4.5 | 174 | BC | --- | 1.4 | LAST CHANCE RANGE |
| APR 1 3:12:20 | 36.842 | 116.245 | 1.0 | 2.90 | 1.9 | 114 | BB | --- | 0.4 | SKULL MTN |
| 2 19:45:21 | 37.141 | 115.126 | 1.0 | 6.70 | 0.5 | 241 | BD | --- | 1.5 | LOWER PAHRANAGAT LAKE NW |
| 3 10:24:14 | 37.491 | 116.861 | 0.3 | 9.71 | 1.4 | 154 | AC | --- | 1.0 | TOLICHA PEAK |
| 3 13:47:32 | 36.647 | 116.269 | 1.1 | 1.07* | --- | 271 | CD | --- | 0.8 | STRIPED HILLS |

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1984 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| APR 4 9: 8: 5 | 37.486 | 116.980 | 0.3 | 5.05 | 2.9 | 144 | BC | --- | 1.3 | TOLICHA PEAK |
| 4 11:41:59 | 37.161 | 117.429 | 0.4 | 9.65 | 1.3 | 136 | AC | --- | 0.9 | UBEHEBE CRATER |
| 5 10: 2: 2 | 37.048 | 116.741 | 0.2 | 8.33 | 1.2 | 77 | AC | --- | 1.4 | THIRSTY CANYON SW |
| 8 2:13:41 | 36.887 | 116.312 | 0.4 | 3.38 | 0.8 | 172 | AC | --- | 0.3 | STRIPED HILLS |
| 9 15:26:42 | 37.158 | 116.289 | 0.4 | 3.18* | --- | 136 | CC | --- | 1.1 | AMMONIA TANKS |
| 11 11:37:17 | 36.847 | 116.050 | 0.3 | 2.81 | 1.7 | 116 | BC | --- | 1.2 | CHLORIDE CLIFF |
| 11 15: 6:26 | 37.210 | 116.455 | 0.4 | 9.38 | 0.9 | 195 | AD | --- | 1.2 | SCRUGHAM PEAK |
| 12 1:11:31 | 36.880 | 116.318 | 0.6 | 11.08 | 0.6 | 171 | AC | --- | 0.3 | STRIPED HILLS |
| 12 22:27:48 | 37.234 | 115.817 | 0.8 | 8.52 | 2.1 | 214 | BD | --- | 1.5 | LOWER PAHRANAGAT LAKE |
| 13 9:26: 5 | 37.342 | 117.243 | 0.5 | 0.18 | 0.3 | 140 | AC | --- | 1.0 | SCOTTYS JUNCTION SW |
| 14 8: 2:57 | 36.958 | 117.433 | 0.5 | 7.35 | 1.2 | 156 | BC | --- | 1.2 | TIN MTN |
| 14 23:24:45 | 36.922 | 117.408 | 0.4 | 6.25 | 1.1 | 178 | AC | --- | 1.3 | TIN MTN |
| 15 22: 1:53 | 37.483 | 115.591 | 0.6 | 5.90 | 2.6 | 126 | BC | --- | 1.4 | GROOM RANGE NE |
| 16 2:15:12 | 37.523 | 115.323 | 0.7 | 4.65 | 7.9 | 169 | CC | --- | 1.1 | MT IRISH |
| 16 4:34:31 | 37.481 | 115.965 | 0.3 | 2.40 | 1.2 | 92 | BC | 1.8 | 1.8 | GROOM MINE NW |
| 16 12: 2: 7 | 37.084 | 114.892 | 7.7 | 13.96 | 7.2 | 279 | DD | --- | 1.2 | DEADMAN SPRING |
| 17 23:32:16 | 37.205 | 117.909 | 4.3 | 8.62* | --- | 225 | CD | --- | 1.3 | WAUCOBA SPRING |
| 17 23:53:22 | 37.251 | 114.781 | 6.8 | 1.66* | --- | 304 | DD | --- | 1.4 | ELGIN SW |
| 18 17:44:37 | 37.721 | 115.601 | 0.7 | 2.88 | 1.6 | 137 | BC | --- | 1.6 | NIKO NE |
| 18 23:36: 7 | 37.155 | 117.398 | 0.2 | 6.41 | 1.0 | 128 | AC | --- | 1.3 | UBEHEBE CRATER |
| 19 0:34:30 | 37.158 | 117.397 | 0.3 | 4.77 | 2.9 | 129 | BC | --- | 1.0 | UBEHEBE CRATER |
| 19 9:37:25 | 37.143 | 117.837 | 1.3 | 2.05 | 2.1 | 211 | BD | --- | 1.1 | WAUCOBA SPRING |
| 22 2:47:32 | 36.384 | 117.224 | 0.7 | 1.49 | 1.7 | 238 | AD | --- | 1.4 | EMIGRANT CANYON |
| 22 3:23:28 | 37.242 | 117.550 | 0.2 | 9.67 | 0.4 | 188 | AB | --- | 1.6 | LAST CHANCE RANGE |
| 22 13:44:52 | 36.634 | 115.694 | 0.4 | -0.26 | 1.0 | 79 | BC | --- | 1.9 | INDIAN SPRINGS NW |
| 22 19:52:50 | 36.639 | 115.760 | 0.7 | -0.73 | 0.6 | 198 | BD | --- | 0.9 | MERCURY NE |
| 24 0:13:43 | 37.378 | 117.692 | 1.6 | 7.09 | 5.7 | 142 | CC | --- | 0.9 | MAGRUDER MTN |
| 26 5:33:57 | 36.621 | 116.231 | 1.9 | 6.88 | 1.6 | 301 | BD | --- | 1.0 | SPECTER RANGE SW |
| 26 8:15:15 | 37.695 | 115.647 | 0.8 | 1.08 | 3.0 | 115 | BC | --- | 1.1 | NIKO NE |
| 27 7:21:49 | 36.742 | 116.184 | 0.5 | 1.74 | 0.8 | 226 | AD | --- | 0.9 | SPECTER RANGE NW |
| 28 21:49:41 | 37.125 | 117.429 | 0.3 | 0.35 | 0.8 | 136 | AC | --- | 1.7 | UBEHEBE CRATER |
| 29 22:38:41 | 37.298 | 115.114 | 0.8 | 0.35 | 1.0 | 160 | BC | --- | 1.3 | ALAMO SE |
| 30 0:54:13 | 36.747 | 115.647 | 0.5 | -1.16 | 0.7 | 133 | BC | --- | 1.5 | INDIAN SPRINGS NW |
| MAY 2 19:40:24 | 37.064 | 116.144 | 0.4 | 2.90 | 0.8 | 149 | AC | --- | 1.1 | TIPPIPAH SPRING |
| 3 0:11: 7 | 36.787 | 116.218 | 0.5 | 1.43 | 4.1 | 222 | BD | --- | 0.6 | SPECTER RANGE NW |
| 3 14:55:45 | 35.873 | 116.854 | 3.2 | 5.16 | 5.2 | 270 | CD | --- | 1.4 | WINGATE WASH |
| 4 2:19:24 | 37.235 | 117.544 | --- | 12.41 | --- | 164 | AD | --- | 0.9 | LAST CHANCE RANGE |
| 5 21:56:47 | 36.115 | 115.744 | 0.8 | 7.57 | 3.1 | 210 | BD | --- | 1.6 | MOUNTAIN SPRINGS |
| 6 16:54:12 | 36.763 | 116.226 | 0.8 | 1.54 | 1.4 | 190 | BD | --- | 1.0 | SKULL MTN |
| 6 19:34:36 | 36.742 | 116.281 | 0.7 | 4.35 | 0.7 | 234 | AD | --- | 0.6 | STRIPED HILLS |
| 7 8:55:40 | 36.495 | 116.290 | 0.3 | 7.78 | 1.3 | 115 | AC | --- | 1.0 | ASH MEADOWS |
| 7 10:16:19 | 36.674 | 116.292 | 0.7 | 5.87 | 0.7 | 220 | AD | --- | 0.8 | STRIPED HILLS |
| 7 15:14:31 | 36.671 | 117.595 | 0.6 | 5.91 | 2.6 | 233 | BD | --- | 1.5 | UBHEBE PEAK |
| 7 23:56:23 | 36.683 | 116.865 | 1.9 | 11.58 | 3.2 | 209 | BD | --- | 1.2 | SPECTER RANGE SE |
| 8 .7: 4: 2 | 37.589 | 115.621 | 0.6 | 4.09 | 2.5 | 112 | BC | --- | 1.3 | TEMPIUTE MTN |
| 9 4:10:33 | 37.677 | 116.218 | 0.4 | 5.13 | 1.5 | 168 | AC | --- | 1.2 | TIPPIPAH SPRING |
| 9 12:23:60 | 37.132 | 116.089 | 1.3 | 7.27 | 1.6 | 161 | BC | --- | 0.9 | OAK SPRING |
| 12 15:26:11 | 37.693 | 115.045 | 0.3 | 1.39 | 1.2 | 115 | AC | --- | 0.9 | NIKO NE |
| 12 21:10:37 | 36.465 | 116.461 | 1.6 | 5.38 | 2.6 | 261 | BD | --- | 0.8 | LATHROP WELLS NW |
| 12 21:23:55 | 36.725 | 116.118 | 0.8 | 4.93 | 2.5 | 195 | BD | --- | 1.0 | CAMP DESERT ROCK |
| 13 8:20:49 | 37.885 | 117.129 | 0.5 | 2.52 | 4.0 | 130 | BC | --- | 1.4 | GOLDFIELD |
| 13 8:29:32 | 37.163 | 117.409 | 0.5 | 5.56 | 2.9 | 122 | BC | --- | 1.5 | UBEHEBE CRATER |
| 13 13: 2: 1 | 37.588 | 117.123 | 0.3 | 3.31* | --- | 97 | CC | --- | 1.6 | GOLDFIELD |
| 13 18:35:25 | 36.869 | 116.257 | 0.7 | 4.60 | 1.4 | 135 | AB | --- | 0.3 | JACKASS FLATS |
| 16 9: 8:42 | 37.691 | 115.044 | 0.6 | 2.10 | 1.6 | 115 | BC | --- | 0.8 | NIKO NE |
| 17 6:26:18 | 36.720 | 115.904 | 2.1 | 1.76 | 6.5 | 167 | CC | --- | 1.0 | MERCURY |
| 17 17:12:24 | 35.773 | 117.965 | 1.4 | 1.99 | 1.4 | 292 | BD | --- | 2.0 | LITTLE LAKE |
| 18 0:47:12 | 36.620 | 115.531 | 1.5 | 8.32 | 5.2 | 204 | CD | --- | 1.4 | INDIAN SPRINGS SE |
| 18 1:47:20 | 36.441 | 117.922 | 1.5 | 9.87 | 1.2 | 242 | BD | --- | 2.1 | KEELER |
| 18 13:14:21 | 36.522 | 115.690 | 1.7 | 3.24* | --- | 141 | CC | --- | 1.0 | INDIAN SPRINGS |
| 19 8:13:46 | 36.711 | 116.240 | 0.6 | 1.64 | 2.3 | 120 | BB | --- | 0.6 | SPECTER RANGE NW |
| 19 12: 7: 7 | 37.231 | 115.836 | 1.1 | 5.69 | 1.7 | 201 | CD | --- | 1.9 | WAUCOBA SPRING |
| 21 22:04:30 | 36.840 | 116.192 | 1.0 | 2.90 | 1.1 | 159 | AC | --- | 0.7 | SKULL MTN |
| 22 19:14:23 | 37.052 | 116.478 | 0.7 | 1.48 | 1.0 | 280 | AD | --- | 1.0 | TIMBER MTN |
| 23 11:18:50 | 37.716 | 115.014 | 0.4 | -0.79 | 1.2 | 131 | BB | --- | 1.6 | NIKO NE |
| 23 14: 3:19 | 37.148 | 116.951 | 0.7 | 9.87 | 2.3 | 163 | BC | --- | 1.0 | SPRINGDALE |

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## 1984 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 23 18:54: 3 | 36.794 | 116.751 | 10.6 | 0.12* | --- | 335 | DD | --- | 1.4 | BULLFROG |
| 24 13:45:17 | 37.292 | 114.945 | 1.1 | 5.67 | 3.6 | 205 | BD | --- | 1.5 | DELAMAR LAKE |
| 24 14:59:13 | 37.190 | 117.485 | 0.2 | -0.89 | 0.4 | 112 | AC | --- | 1.8 | UBEHEBE CRATER |
| 25 2: 5:21 | 36.709 | 116.236 | 3.4 | 0.81 | 0.8 | 122 | AC | --- | 1.6 | SPECTER RANGE NW |
| 25 9:43:47 | 37.081 | 116.183 | 0.1 | 5.83 | 0.1 | 192 | AD | --- | 0.7 | TIPPIPAH SPRING |
| 25 18: 8:23 | 38.068 | 116.771 | --- | 1.10 | --- | 294 | AD | --- | 1.1 | WINGATE WASH |
| 25 16:44:46 | 37.094 | 116.012 | 0.8 | 10.79 | 1.6 | 177 | AC | --- | 1.2 | YUCCA FLAT |
| 26 5:35: 4 | 37.460 | 114.939 | --- | 7.00** | --- | 309 | AD | --- | 0.9 | DELAMAR NW |
| 26 5:39:40 | 37.700 | 115.010 | 1.5 | 6.19 | 3.9 | 130 | BB | --- | 0.7 | HIKO NE |
| 26 14:13:56 | 36.712 | 116.217 | 0.5 | 4.29 | 4.0 | 120 | BC | --- | 1.1 | SPECTER RANGE NW |
| 29 10: 0:49 | 36.702 | 116.109 | 0.5 | 8.22 | 1.5 | 144 | AC | --- | 0.9 | CAMP DESERT ROCK |
| 29 18:32:29 | 36.427 | 116.910 | 4.0 | 10.81 | 8.9 | 193 | CD | --- | 1.2 | FURNACE CREEK |
| 31 2:11:36 | 37.763 | 116.000 | 0.8 | 1.04 | 2.3 | 151 | BC | --- | 1.4 | REVEILLE PEAK |
| 31 19:55:12 | 36.850 | 117.410 | 1.0 | 11.55 | 1.0 | 195 | BC | --- | 1.3 | TIN MTN |
| JUN 1 16:28:52 | 36.323 | 117.295 | 2.6 | 2.61 | 9.2 | 257 | CD | --- | 1.4 | PAHAMINT BUTTE |
| 2 6:35:23 | 37.233 | 114.881 | 1.4 | 10.45 | 1.0 | 243 | BD | 1.9 | 1.0 | VIGO NE |
| 3 15:30:14 | 37.638 | 116.386 | 25.3 | 3.12 | 0.4 | 309 | DD | 2.1 | --- | ***REGIONAL*** |
| 4 9: 5:45 | 37.087 | 116.035 | 0.8 | 7.81 | 2.1 | 179 | BC | --- | 0.8 | YUCCA FLAT |
| 7 21:13:32 | 37.623 | 114.476 | 99.0 | 2.59* | --- | 351 | DD | --- | 1.3 | ***REGIONAL*** |
| 8 21:14:35 | 37.018 | 116.186 | 0.2 | 2.99 | 0.4 | 93 | AD | --- | 1.4 | TIPPIPAH SPRING |
| 10 1:19:40 | 37.230 | 117.306 | 0.4 | 7.88 | 0.5 | 132 | AD | --- | 1.0 | UBEHEBE CRATER |
| 10 10: 4: 9 | 37.195 | 117.487 | 0.6 | 8.97 | 1.1 | 196 | AC | --- | 1.1 | UBEHEBE CRATER |
| 13 12:40:12 | 36.637 | 116.338 | 0.5 | 4.14 | 0.7 | 187 | AC | --- | 1.2 | STRIPED HILLS |
| 15 9:23:36 | 37.548 | 115.768 | 0.5 | 5.52 | 0.0 | 116 | CC | 1.4 | --- | WHITE BLOTCH SPRINGS |
| 16 17:57:38 | 36.681 | 116.393 | 0.8 | 5.46 | 1.6 | 195 | AD | --- | 0.8 | LATHROP WELLS NW |
| 17 20:31:35 | 38.147 | 117.805 | 3.5 | 8.85 | 1.3 | 259 | CD | 2.5 | --- | COALDALE NE |
| 18 3:39:30 | 36.698 | 115.888 | 0.4 | 6.54 | 1.0 | 120 | AB | 1.7 | 1.6 | INDIAN SPRINGS NW |
| 18 23: 2:47 | 36.724 | 116.058 | 1.4 | 3.90 | 9.0 | 183 | CC | 0.7 | 0.9 | CAMP DESERT ROCK |
| 21 12:38:41 | 36.720 | 116.272 | 0.3 | 0.51 | 0.1 | 183 | AD | --- | 0.5 | STRIPED HILLS |
| 23 7:44:38 | 37.345 | 117.342 | 0.7 | 0.21 | 0.8 | 148 | BC | 1.1 | 0.9 | GOLD POINT |
| 23 8:11:25 | 37.285 | 117.403 | 0.8 | 0.76 | 1.4 | 141 | AC | 1.2 | --- | GOLD POINT SW |
| 23 8:42:23 | 37.352 | 117.348 | 0.7 | 2.58 | 1.5 | 150 | BC | 1.1 | 1.1 | GOLD POINT |
| 23 10: 7:11 | 37.336 | 117.344 | 1.3 | 4.82 | 2.6 | 144 | BC | --- | 1.2 | GOLD POINT |
| 23 14:20:22 | 37.295 | 117.378 | 0.6 | -0.85 | 0.8 | 131 | AC | 1.1 | 0.9 | GOLD POINT SW |
| 23 15: 7:45 | 37.335 | 117.340 | 1.5 | 5.65 | 1.9 | 144 | BC | 1.1 | 1.2 | GOLD POINT |
| 24 3:47:20 | 37.246 | 115.470 | 0.5 | 0.73 | 0.9 | 105 | BC | --- | 1.5 | DESERT HILLS NW |
| 24 13:50:22 | 36.760 | 116.278 | 0.5 | 5.53 | 0.5 | 115 | AB | --- | 0.6 | JACKASS FLATS |
| 26 5:27:15 | 36.770 | 116.049 | 1.0 | 6.35 | 2.0 | 190 | BD | --- | 0.9 | CANE SPRING |
| 26 5:28:39 | 36.777 | 116.057 | 0.8 | 7.17 | 1.6 | 198 | AD | --- | 0.8 | CANE SPRING |
| 26 18:13:48 | 36.705 | 116.201 | 0.2 | 9.11 | 0.6 | 72 | AA | --- | 1.7 | STRIPED HILLS |
| 26 18:57:37 | 36.647 | 116.277 | 0.7 | 7.77 | 0.4 | 206 | AD | --- | 0.8 | STRIPED HILLS |
| 26 19:28:25 | 36.701 | 116.273 | 0.3 | 9.00 | 0.4 | 125 | AB | --- | 0.8 | STRIPED HILLS |
| 27 9:52:25 | 36.700 | 116.272 | 0.4 | 10.07 | 0.6 | 120 | AB | --- | 0.9 | STRIPED HILLS |
| 29 8:13:58 | 37.209 | 115.075 | 0.3 | 4.75 | 5.7 | 140 | CC | --- | 1.2 | JANGLE RIDGE |
| 30 12:14:36 | 36.727 | 116.114 | 0.4 | 5.54 | 1.6 | 137 | AC | --- | 0.5 | CAMP DESERT ROCK |
| JUL 1 12:11:38 | 37.149 | 116.947 | 0.2 | 10.01 | 0.6 | 119 | AC | --- | 1.2 | SPRINGDALE |
| 2 0: 0:18 | 36.783 | 116.204 | 0.2 | 2.42 | 0.3 | 102 | AB | --- | 0.5 | SKULL MTN |
| 2 19:25:17 | 36.985 | 117.000 | 0.8 | 5.76 | 3.4 | 189 | BD | --- | 1.9 | DRY MTN |
| 3 12:31:10 | 36.828 | 116.124 | 0.6 | 7.91 | 2.3 | 101 | BB | --- | 0.8 | CAMP DESERT ROCK |
| 4 22:54:32 | 36.791 | 115.898 | 0.4 | 13.41 | 0.6 | 244 | AD | --- | 0.8 | FRENCHMAN FLAT |
| 4 23: 4:57 | 36.791 | 115.889 | 0.5 | 13.30 | 0.7 | 185 | AD | 1.1 | 1.1 | FRENCHMAN FLAT |
| 4 23: 6:14 | 36.785 | 115.895 | 0.7 | 14.04 | 0.9 | 198 | AD | 1.6 | 2.0 | FRENCHMAN FLAT |
| 5 8: 4:27 | 37.127 | 116.264 | 0.3 | 5.65 | 1.1 | 224 | AD | --- | 0.9 | AMMONIA TANKS |
| 5 13:39:57 | 37.129 | 116.264 | 0.4 | 7.02 | 0.8 | 224 | AD | --- | 0.9 | AMMONIA TANKS |
| 5 18:58:21 | 37.122 | 116.252 | 0.3 | 6.68 | 1.2 | 118 | AB | --- | 1.7 | BUCKBOARD MESA |
| 5 20:33:37 | 37.126 | 116.237 | 1.3 | 10.24 | 1.8 | 271 | BD | --- | 1.1 | RAINIER MESA |
| 6 3:14:57 | 37.126 | 116.259 | 0.8 | 8.05 | 0.9 | 226 | AD | --- | 0.8 | AMMONIA TANKS |
| 6 3:52:12 | 37.127 | 116.251 | 0.5 | 9.77 | 0.6 | 229 | AD | --- | 0.6 | AMMONIA TANKS |
| 6 4:31:53 | 37.129 | 116.278 | 0.7 | 8.65 | 1.8 | 147 | BC | --- | 1.1 | AMMONIA TANKS |
| 6 4:32:48 | 37.122 | 116.264 | 0.4 | 5.66 | 2.0 | 75 | BB | --- | 1.0 | BUCKBOARD MESA |
| 6 8: 2:52 | 37.122 | 116.270 | 0.4 | 7.26 | 0.7 | 212 | AD | 1.0 | 1.1 | BUCKBOARD MESA |
| 6 23:41:18 | 37.104 | 116.978 | 0.2 | 12.08 | 0.4 | 101 | AB | 1.1 | 1.3 | SPRINGDALE |
| 7 9:58:51 | 36.747 | 116.275 | 0.4 | 7.93 | 0.4 | 136 | AC | 0.7 | 0.4 | STRIPED HILLS |
| 7 9:59:15 | 36.791 | 116.277 | 0.3 | 7.55 | 0.3 | 118 | AB | 0.6 | 0.7 | JACKASS FLATS |
| 7 16:41:25 | 37.439 | 116.897 | 0.2 | 2.09 | 1.4 | 134 | AC | 1.3 | 1.2 | TOLICHA PEAK |
| 8 7:36:24 | 37.128 | 116.266 | 0.4 | 6.98 | 1.1 | 126 | AB | 1.1 | 1.2 | AMMONIA TANKS |

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1984 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 9 16:33:30 | 36.403 | 116.925 | 0.5 | 12.21 | 1.2 | 108 | AB | 1.2 | 1.4 | FURNACE CREEK |
| 9 17:41: 2 | 36.981 | 117.099 | 0.2 | 0.47 | 0.3 | 90 | AB | 1.4 | 1.6 | GRAPEVINE PEAK |
| 10 5:43:21 | 37.071 | 116.048 | 0.5 | -0.76 | 0.7 | 140 | BC | 1.0 | 1.5 | YUCCA FLAT |
| 10 17:17:41 | 36.985 | 116.481 | 0.4 | 2.03* | --- | 261 | DD | 0.5 | 0.6 | TOPOPAH SPRING NW |
| 11 9:49:57 | 36.404 | 116.929 | 0.8 | 12.91 | 1.7 | 107 | BB | 0.8 | 0.8 | FURNACE CREEK |
| 11 16:48: 9 | 36.882 | 116.833 | 0.6 | 14.83 | 0.8 | 211 | AD | 0.7 | 0.8 | YUCCA LAKE |
| 11 19: 0:20 | 36.443 | 116.883 | 0.6 | 6.12 | 5.2 | 120 | CC | 0.9 | 1.0 | FURNACE CREEK |
| 12 2:51:59 | 38.175 | 116.717 | 1.1 | 1.85 | 3.4 | 193 | BD | 1.5 | 1.6 | STONE CABIN VALLEY |
| 12 3:29:15 | 37.120 | 116.282 | 0.5 | 3.93 | 1.9 | 215 | AD | 0.7 | 0.3 | AMMONIA TANKS |
| 12 17:29:20 | 36.001 | 117.746 | 1.0 | 1.50 | 4.7 | 200 | BD | 1.7 | 2.0 | DRY MTN |
| 14 16: 4:41 | 37.372 | 117.682 | 0.2 | 11.27 | 0.5 | 138 | AC | 1.1 | 0.8 | MAGRUDER MTN |
| 14 16:22:32 | 37.380 | 117.700 | 1.5 | 7.88 | 4.2 | 144 | CC | 1.1 | 1.1 | MAGRUDER MTN |
| 14 16:48:26 | 37.389 | 117.706 | 1.1 | 5.58 | 5.3 | 148 | CC | 1.2 | 1.0 | MAGRUDER MTN |
| 14 16:53: 2 | 37.380 | 117.693 | 1.0 | 6.00 | 4.8 | 143 | BC | 1.1 | 1.1 | MAGRUDER MTN |
| 14 19:59:23 | 37.163 | 117.405 | 0.7 | 7.22 | 4.1 | 119 | BC | 1.4 | 1.3 | UBEHEBE CRATER |
| 15 19:15:33 | 36.478 | 115.952 | 0.2 | 11.02 | 0.9 | 120 | AB | 1.3 | 1.7 | MT STIRLING |
| 17 12:22: 7 | 37.306 | 114.601 | 1.0 | 5.32 | 1.4 | 214 | BD | 2.4 | 2.4 | ELGIN SW |
| 17 13:32:56 | 37.168 | 117.404 | 0.9 | 11.28 | 2.2 | 167 | BC | 0.8 | 0.9 | UBEHEBE CRATER |
| 17 13:48:43 | 37.163 | 117.406 | 0.6 | 7.99 | 2.2 | 169 | BC | 1.5 | 1.5 | UBEHEBE CRATER |
| 17 14:55:28 | 37.156 | 117.422 | 0.5 | 6.94 | 2.7 | 174 | BC | 0.9 | 1.0 | UBEHEBE CRATER |
| 17 15:57:41 | 37.501 | 115.779 | 0.4 | 6.54 | 1.2 | 103 | AB | 1.5 | 1.5 | WHITE BLOTCH SPRINGS |
| 17 19: 3:49 | 37.302 | 117.739 | 0.6 | 3.10* | --- | 146 | CD | 0.9 | 1.2 | MAGRUDER MTN |
| 17 22:17:24 | 36.889 | 116.253 | 0.4 | 4.01 | 1.2 | 141 | AC | 0.8 | 0.7 | STRIPED HILLS |
| 17 23:14:16 | 36.025 | 116.215 | 0.4 | 7.88 | 0.7 | 155 | AC | 0.5 | 0.7 | SKULL MTN |
| 18 8: 7:43 | 37.701 | 115.051 | 0.5 | 0.17 | 0.8 | 115 | AC | 1.4 | 1.3 | HIKO NE |
| 18 9:31:18 | 37.138 | 116.389 | 0.2 | 5.06 | 1.0 | 131 | AB | 1.1 | 1.0 | SCRUGHAM PEAK |
| 18 19: 0:32 | 37.326 | 117.448 | 1.0 | 16.67 | 1.8 | 141 | BC | 1.0 | 0.9 | GOLD POINT SW |
| 18 20:12:26 | 36.873 | 117.385 | 0.6 | 12.21 | 0.8 | 135 | AB | 0.6 | 1.2 | TIN MTN |
| 18 21: 7:42 | 37.683 | 117.489 | 0.4 | 12.38 | 1.5 | 142 | AC | 1.2 | 1.2 | UBEHEBE CRATER |
| 19 7:57:59 | 36.472 | 116.316 | 0.2 | 3.12* | --- | 139 | CC | 0.7 | 0.8 | ASH MEADOWS |
| 19 14:23:35 | 37.298 | 117.466 | 1.6 | 11.95 | 5.3 | 157 | CD | 1.1 | 1.0 | GOLD POINT SW |
| 20 8:17:54 | 38.235 | 115.955 | 1.5 | -0.54 | 1.5 | 287 | CD | 1.8 | 1.9 | QUINN CANYON RANGE |
| 20 9:57:20 | 37.169 | 117.464 | 0.7 | 6.03 | 4.2 | 119 | BC | 1.4 | 1.4 | UBEHEBE CRATER |
| 24 2: 3:47 | 36.648 | 115.930 | 1.3 | 7.69 | 6.7 | 331 | BD | 0.5 | 0.8 | MERCURY |
| 24 9:26: 7 | 36.679 | 116.249 | 1.0 | 1.74 | 3.0 | 213 | CD | 0.6 | 0.5 | SPECTER RANGE NW |
| 26 2: 3:36 | 37.344 | 117.077 | 0.5 | 5.79 | 3.0 | 74 | BC | 1.2 | 1.2 | SCOTTYS JUNCTION |
| 26 5:51:16 | 37.271 | 116.379 | 1.6 | 9.38 | 5.0 | 187 | CC | 2.3 | --- | SILENT BUTTE |
| 26 14:31:22 | 38.286 | 117.874 | 2.2 | 3.27* | --- | 287 | CD | 1.8 | 1.4 | COALDALE NE |
| 26 14:31:27 | 37.132 | 116.282 | 1.0 | 2.23 | 1.0 | 295 | BD | 0.7 | 0.7 | AMMONIA TANKS |
| 26 19: 9: 8 | 38.357 | 117.322 | 2.3 | 8.68 | 5.4 | 249 | CD | 2.2 | --- | SAN ANTONIA RANCH |
| 27 9:38: 9 | 37.678 | 115.861 | 0.3 | 2.50 | 1.0 | 169 | AC | 1.1 | 1.0 | HIKO NE |
| 27 15:42:35 | 37.474 | 116.763 | 1.9 | 11.41 | 7.8 | 123 | CB | 1.3 | 1.0 | TOLICHA PEAK |
| 29 16: 6:23 | 38.200 | 117.859 | 3.4 | 9.74 | 2.5 | 265 | CD | 2.2 | 1.8 | COALDALE NE |
| 30 13: 7:11 | 37.271 | 116.403 | 0.4 | 0.32* | --- | 93 | CC | 2.3 | 2.4 | SILENT BUTTE |
| 30 19:32:23 | 36.824 | 116.197 | 2.7 | 7.00** | 3.4 | 177 | CC | 0.1 | 0.1 | SKULL MTN |
| 30 19:34:51 | 36.848 | 116.193 | 0.8 | 8.98 | 1.1 | 98 | BB | 0.8 | 1.1 | SKULL MTN |
| 31 20:53:35 | 36.783 | 116.788 | 3.0 | 1.84* | --- | 342 | CD | 1.1 | 1.0 | BULLFROG |
| 31 21:57:24 | 37.333 | 117.771 | 0.6 | 1.68 | 1.6 | 176 | BD | 0.6 | 1.2 | SOLDIER PASS |
| AUG 1 2: 1:44 | 37.002 | 117.903 | 2.1 | 0.85 | 1.8 | 258 | BD | 1.4 | 1.3 | WAUCOBA SPRING |
| 1 2:37:39 | 37.302 | 117.626 | 0.6 | 4.36 | 1.9 | 185 | AB | 0.9 | 0.8 | MAGRUDER MTN |
| 1 11:49:55 | 37.024 | 116.366 | 0.8 | 4.72 | 3.8 | 225 | BD | 0.5 | 0.3 | BUCKBOARD MESA |
| 3 7: 0:45 | 37.091 | 117.612 | 1.2 | 3.33 | 2.7 | 227 | BD | 1.8 | 1.7 | SILVER PEAK |
| 4 0:31:19 | 37.820 | 115.033 | 1.0 | 1.04 | 3.0 | 157 | BC | 0.8 | 0.6 | WHITE RIVER NARROWS |
| 4 3:19: 9 | 36.604 | 116.273 | 0.7 | 8.68 | 1.1 | 231 | AD | 0.4 | 0.8 | LATHROP WELLS SE |
| 4 5: 4:53 | 36.630 | 116.232 | 0.4 | 8.42 | 0.6 | 72 | AA | 1.0 | 1.0 | SKULL MTN |
| 4 10:49:24 | 37.331 | 114.922 | 1.4 | 11.86 | 2.1 | 204 | BD | 0.9 | 0.9 | DELAMAR LAKE |
| 5 5:56:15 | 36.388 | 117.248 | 0.8 | 5.49 | 1.8 | 199 | BD | 1.3 | 1.3 | EMIGRANT CANYON |
| 6 8:11:18 | 37.170 | 115.642 | 1.0 | 11.55 | 1.4 | 208 | CD | 1.4 | 1.0 | LOWER PAHRANAGAT LAKE |
| 6 12:56:57 | 36.763 | 116.167 | 0.7 | 8.05 | 1.8 | 122 | BB | 0.7 | 0.5 | SKULL MTN |
| 6 13:18:00 | 37.304 | 114.882 | 1.0 | 5.61 | 5.0 | 213 | BD | 1.5 | 1.5 | DELAMAR LAKE |
| 7 13:28: 6 | 37.353 | 114.886 | 0.4 | 11.85 | 0.9 | 169 | AC | 1.8 | 1.6 | DELAMAR LAKE |
| 7 19:31:56 | 36.644 | 116.446 | 1.0 | 11.35 | 1.7 | 180 | BC | 0.6 | 0.5 | LATHROP WELLS NW |
| 8 1:30: 6 | 36.674 | 115.855 | 0.9 | -0.81 | 1.3 | 107 | BB | 1.4 | 1.1 | MERCURY NE |
| 8 7:38:48 | 36.742 | 116.252 | 1.7 | 7.00** | 1.3 | 155 | BC | 0.2 | 0.7 | STRIPED HILLS |
| 10 0:41:30 | 36.231 | 116.875 | 0.4 | 2.02 | 1.8 | 282 | AD | 0.9 | 1.1 | BENNETTS WELL |
| 11 0:27: 8 | 37.474 | 114.784 | 2.1 | 2.36 | 4.3 | 237 | BD | 0.5 | 0.5 | DELAMAR |

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1984 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 12 12:24:59 | 37.118 | 116.061 | 1.6 | 4.49 | 7.3 | 235 | CD | 0.8 | 0.7 | YUCCA FLAT |
| 12 13: 1:50 | 36.597 | 116.159 | 0.3 | 7.16 | 1.4 | 140 | AC | 0.4 | 0.7 | SPECTER RANGE SW |
| 12 20:28:11 | 36.553 | 116.198 | 0.6 | 8.49 | 1.8 | 86 | BD | 1.0 | 0.7 | SPECTER RANGE SW |
| 13 7:53:13 | 36.788 | 116.289 | 0.2 | 7.31 | 0.3 | 113 | AB | 0.5 | 0.6 | STRIPED HILLS |
| 16 21:17:48 | 37.858 | 118.018 | 4.0 | 0.06 | 4.3 | 278 | CD | 1.9 | 1.7 | ***REGIONAL*** |
| 19 2:22:35 | 38.384 | 118.113 | 6.9 | 8.69 | 2.6 | 286 | BD | --- | 0.2 | ***REGIONAL*** |
| 19 20:31:19 | 36.555 | 116.244 | 0.3 | 5.23 | 2.4 | 123 | BC | 1.8 | 2.2 | SPECTER RANGE SW |
| 20 1:51:51 | 36.832 | 116.094 | 3.5 | 4.88 | 4.1 | 293 | CD | 1.4 | 1.6 | STEWART VALLEY |
| 20 3:38:29 | 36.554 | 116.246 | 0.8 | 5.40 | 2.1 | 189 | BD | 0.7 | 1.1 | SPECTER RANGE SW |
| 20 7:39:58 | 36.545 | 116.267 | 1.8 | 2.38 | 2.3 | 192 | BD | 0.9 | 1.2 | LATHROP WELLS SE |
| 22 3:41:25 | 36.828 | 116.113 | 2.3 | 0.85 | 1.8 | 263 | BD | 1.5 | --- | STEWART VALLEY |
| 22 8:14: 8 | 38.387 | 118.428 | 2.3 | 5.45 | 2.1 | 238 | CD | 2.0 | 2.3 | TYBO |
| 23 9: 2:24 | 36.871 | 116.115 | 0.5 | 1.41 | 1.4 | 178 | AC | 1.6 | 1.7 | CANE SPRING |
| 25 15:19:21 | 36.833 | 116.028 | 5.6 | 3.90* | --- | 242 | BD | 0.3 | 0.7 | CANE SPRING |
| 28 2:33:52 | 37.648 | 116.057 | --- | 7.00** | --- | 267 | AD | --- | 0.2 | BELTED PEAK |
| 28 3: 9:46 | 36.774 | 116.242 | 0.3 | 2.65 | 0.4 | 80 | AA | --- | 0.2 | SKULL MTN |
| 28 8:10: 1 | 36.331 | 116.071 | 0.3 | 5.38 | 1.8 | 186 | AC | 1.1 | 1.0 | MT SCHADER SE |
| 28 14:20: 6 | 37.851 | 118.113 | 1.4 | 5.37 | 1.8 | 294 | BD | 1.6 | --- | ***REGIONAL*** |
| 28 16: 0: 9 | 37.387 | 115.071 | 1.4 | 5.69* | --- | 133 | CC | 1.6 | --- | ALAMO NE |
| 28 16:30:56 | 37.488 | 115.092 | 0.7 | 8.81 | 1.8 | 186 | BC | 1.6 | --- | ALAMO NE |
| 28 18:54: 9 | 37.851 | 115.614 | --- | 3.21 | --- | 180 | AD | 1.1 | 1.4 | SOUTHEASTERN MINE |
| 28 20:43:13 | 37.818 | 117.951 | 4.9 | -1.18* | --- | 258 | CD | 1.7 | --- | RHYOLITE RIDGE |
| 28 22:22:43 | 38.443 | 117.987 | 2.0 | -1.12 | 5.2 | 289 | CD | 1.5 | --- | KEELER |
| 29 0:32:45 | 37.384 | 115.864 | 0.5 | -0.54 | 0.5 | 160 | AC | 1.4 | 1.5 | ALAMO SE |
| 29 4: 9:22 | 37.151 | 116.598 | 0.4 | 7.74 | 1.4 | 177 | AC | 1.1 | 1.3 | THIRSTY CANYON NE |
| 29 4:13: 3 | 37.857 | 116.164 | 0.3 | 1.44 | 1.2 | 185 | AC | 1.1 | --- | REVEILLE PEAK |
| 29 5:37:21 | 37.668 | 117.888 | 4.8 | 1.05* | --- | 195 | CD | 0.8 | 1.1 | PIPER PEAK |
| 29 6: 7:41 | 37.154 | 116.698 | 0.7 | 10.55 | 3.1 | 189 | BC | 0.8 | --- | THIRSTY CANYON NE |
| 29 7: 0:15 | 37.141 | 116.476 | 0.3 | 2.13 | 0.9 | 112 | AC | 1.0 | 1.2 | SCRUGHAM PEAK |
| 30 5:22: 3 | 38.784 | 118.198 | 0.9 | 5.36 | 2.4 | 285 | BD | 1.7 | --- | ***REGIONAL*** |
| 30 8: 1: 1 | 37.157 | 116.603 | 0.5 | 9.13 | 2.0 | 164 | AB | 1.0 | 1.2 | THIRSTY CANYON NE |
| 30 15:49:49 | 37.857 | 116.154 | 0.7 | 6.77 | 4.9 | 146 | BC | 0.8 | --- | REVEILLE PEAK |
| 30 20:41:55 | 37.644 | 117.511 | 0.4 | 6.66 | 1.7 | 178 | AC | 1.6 | 2.2 | LAST CHANCE RANGE |
| SEP 1 18:45:34 | 37.840 | 118.178 | 2.0 | -0.17 | 1.4 | 281 | CD | 1.8 | --- | ***REGIONAL*** |
| 1 18:18:40 | 37.448 | 114.592 | 1.9 | 8.27 | 1.2 | 242 | BD | 1.8 | --- | ELIGN NE |
| 2 5: 0:42 | 37.399 | 115.078 | 0.4 | 9.46 | 0.7 | 169 | AC | 1.4 | 1.9 | ALAMO NE |
| 2 5: 6:31 | 37.360 | 115.041 | 0.7 | 8.45 | 5.0 | 192 | CD | 1.4 | 1.4 | ALAMO SE |
| 2 11:13:54 | 36.465 | 118.040 | 0.9 | 3.95 | 2.0 | 252 | BD | 1.7 | 2.1 | ***REGIONAL*** |
| 2 12: 3:11 | 37.413 | 115.088 | 0.0 | 7.00** | 4.7 | 182 | BD | 1.6 | 1.5 | ALAMO NE |
| 2 12:16:12 | 36.415 | 117.929 | 0.8 | 8.50 | 5.1 | 312 | CD | 2.0 | 1.5 | KEELER |
| 2 12:21: 7 | 37.371 | 115.074 | 0.3 | 7.86 | 0.9 | 173 | AC | 2.3 | 2.1 | ALAMO SE |
| 2 12:29:48 | 37.383 | 115.067 | 0.5 | 7.68 | 3.0 | 178 | BC | 1.4 | 1.4 | ALAMO NE |
| 2 16:17: 6 | 36.696 | 115.654 | 0.6 | 5.18 | 1.3 | 241 | AD | --- | 0.8 | INDIAN SPRINGS NW |
| 2 23:55:41 | 36.738 | 115.658 | 0.5 | 5.97 | 1.5 | 184 | AD | 1.6 | 1.1 | INDIAN SPRINGS NW |
| 3 0: 6:38 | 36.655 | 115.622 | 1.0 | 1.91 | 0.8 | 321 | AD | --- | 0.2 | HEAVENS WELL |
| 3 5:44: 2 | 37.697 | 115.044 | 0.3 | 2.82 | 0.6 | 146 | AC | --- | 1.0 | HIKO NE |
| 3 8:14:41 | 36.843 | 116.169 | 0.2 | 0.95 | 0.2 | 154 | AC | 1.4 | 1.3 | SKULL MTN |
| 3 19:23:33 | 36.885 | 115.558 | 0.4 | 6.02 | 2.7 | 88 | BC | 2.1 | 1.3 | HEAVENS WELL |
| 3 21: 7:54 | 36.987 | 116.209 | 0.4 | 2.34 | 0.7 | 182 | AD | 1.1 | 0.6 | MINE MTN |
| 3 23:47: 6 | 37.206 | 117.040 | 0.2 | 11.00 | 0.5 | 161 | AC | --- | 1.4 | LAST CHANCE RANGE |
| 4 0:37:57 | 36.656 | 115.963 | 0.0 | 3.50* | --- | 155 | CC | --- | 1.1 | HEAVENS WELL |
| 4 8:48:30 | 36.382 | 116.982 | 0.5 | 12.04 | 0.9 | 116 | AB | 1.6 | 1.1 | FURNACE CREEK |
| 4 13:54: 7 | 37.272 | 115.374 | 7.2 | 14.75 | 0.3 | 128 | BC | 1.8 | --- | BADGER SPRING |
| 4 16:49:41 | 36.702 | 117.415 | 0.6 | 4.97 | 1.1 | 247 | AD | 1.2 | 1.1 | MARBLE CANYON |
| 4 17: 2:51 | 36.739 | 117.263 | 2.7 | 1.62* | --- | 157 | CD | 1.4 | 1.3 | MARBLE CANYON |
| 4 21: 9: 8 | 36.131 | 115.889 | 0.5 | 7.00** | 3.1 | 217 | BD | --- | 1.6 | PAHRUMP |
| 5 5:53:16 | 37.163 | 116.596 | 0.3 | 3.97 | 3.6 | 89 | BC | 1.6 | 1.2 | THIRSTY CANYON NE |
| 5 5:55:13 | 37.161 | 116.597 | 0.2 | 5.74 | 0.6 | 36 | AC | 2.1 | 2.2 | THIRSTY CANYON NE |
| 5 5:56: 6 | 37.161 | 116.597 | 0.2 | 4.73 | 1.7 | 84 | AC | 2.1 | 2.2 | THIRSTY CANYON NE |
| 5 6:18: 5 | 37.167 | 116.596 | 0.2 | 6.98 | 0.8 | 102 | AC | --- | 0.6 | THIRSTY CANYON NE |
| 5 10:57:15 | 37.160 | 116.593 | 0.3 | 6.29 | 1.4 | 188 | AC | 1.3 | 0.8 | THIRSTY CANYON NE |
| 5 20:57:47 | 37.621 | 114.833 | 3.6 | 2.05 | 8.9 | 159 | CC | 0.6 | 1.1 | PAHROC SUMMIT PASS |
| 6 18:37:28 | 36.988 | 116.207 | 0.7 | 0.44 | 0.6 | 186 | AD | 1.6 | 0.6 | MINE MTN |
| 7 1:22:20 | 36.978 | 116.319 | 0.2 | 4.02 | 0.9 | 92 | AD | --- | 0.5 | TOPOPAH SPRING |
| 7 14:51:39 | 35.218 | 117.712 | 3.3 | 15.33* | --- | 315 | BD | 2.8 | --- | ***REGIONAL*** |
| 7 16: 1:13 | 37.174 | 117.377 | 0.2 | 1.99 | 0.5 | 189 | AD | 0.7 | 1.0 | UBEHEBE CRATER |

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1984 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP 7 | 16: 5:25 | 37.158 | 117.382 | 0.5 | 8.83 | 1.4 | 223 | AD | --- | 0.8 | UBEHEBE CRATER |
| 7 | 16:16:38 | 37.153 | 117.390 | 0.7 | 8.95 | 2.4 | 121 | BD | --- | 0.9 | UBEHEBE CRATER |
| 7 | 16:24:13 | 37.160 | 117.377 | 0.7 | 5.92 | 2.0 | 171 | AC | 1.2 | 1.5 | UBEHEBE CRATER |
| 7 | 16:24:50 | 37.156 | 117.385 | 0.2 | 8.51 | 0.6 | 123 | AC | --- | 1.5 | UBEHEBE CRATER |
| 7 | 16:28:20 | 37.151 | 117.389 | 0.2 | 8.68 | 0.7 | 189 | AB | 2.0 | 1.9 | UBEHEBE CRATER |
| 7 | 16:36:27 | 37.156 | 117.393 | 0.2 | 9.40 | 0.5 | 189 | AB | 2.2 | 1.3 | UBEHEBE CRATER |
| 7 | 16:40:41 | 37.156 | 117.384 | 0.2 | 9.11 | 0.5 | 120 | AB | 1.7 | 1.2 | UBEHEBE CRATER |
| 7 | 16:44:12 | 37.155 | 117.388 | 0.2 | 9.53 | 0.7 | 188 | AB | 1.8 | 1.5 | UBEHEBE CRATER |
| 7 | 17:13:47 | 37.158 | 117.388 | 0.3 | 8.25 | 1.1 | 188 | AC | 1.9 | 1.3 | UBEHEBE CRATER |
| 7 | 17:17:12 | 37.164 | 117.405 | 0.4 | 10.30 | 1.3 | 121 | AB | 1.1 | 1.1 | UBEHEBE CRATER |
| 7 | 17:15:42 | 37.154 | 117.377 | 0.3 | 8.11 | 1.1 | 119 | AC | --- | 1.0 | UBEHEBE CRATER |
| 7 | 17:58: 6 | 36.162 | 117.132 | 2.3 | 7.00* | --- | 260 | DD | --- | 2.5 | TELESCOPE PEAK |
| 8 | 7: 5:36 | 35.947 | 117.348 | 2.0 | 7.00** | 1.0 | 262 | CD | 1.0 | --- | TRONA |
| 8 | 11:50:29 | 37.154 | 117.386 | 0.3 | 10.37 | 0.8 | 189 | AB | 1.5 | --- | UBEHEBE CRATER |
| 10 | 2:33: 9 | 36.784 | 115.609 | 0.5 | 3.79 | 5.2 | 293 | CD | --- | 1.4 | HEAVENS WELL |
| 10 | 7:21:43 | 37.010 | 116.095 | 3.0 | 36.76 | 3.3 | 339 | CD | 1.3 | --- | SPRINGDALE |
| 10 | 9:33:57 | 36.836 | 116.838 | 0.6 | 15.85 | 0.8 | 303 | AD | 1.0 | --- | BULLFROG |
| 10 | 10:24:27 | 36.686 | 116.297 | 0.3 | -1.05 | 0.2 | 125 | AB | --- | 0.8 | STRIPED HILLS |
| 10 | 10:35:45 | 36.712 | 115.617 | 0.8 | 5.46 | 5.2 | 263 | CD | 1.0 | 1.9 | HEAVENS WELL |
| 12 | 13: 2:30 | 37.282 | 116.340 | 0.4 | 11.75 | 1.4 | 112 | AC | 1.9 | 1.4 | DEAD HORSE FLAT |
| 13 | 13:22:21 | 37.074 | 116.041 | 0.4 | 4.27 | 2.1 | 132 | BC | 1.6 | 1.3 | YUCCA FLAT |
| 14 | 6:11: 2 | 36.758 | 115.911 | 0.2 | 0.74 | 0.3 | 117 | AC | --- | 0.8 | FRENCHMAN FLAT |
| 14 | 23: 7:19 | 36.827 | 116.428 | 0.4 | 9.56 | 0.5 | 188 | AD | --- | 0.8 | LATHROP WELLS NW |
| 15 | 7: 0:25 | 36.438 | 117.030 | 0.3 | 7.27 | 0.7 | 115 | AB | 1.8 | 1.3 | EMIGRANT CANYON |
| 15 | 22: 0:40 | 37.312 | 115.221 | 0.4 | 10.00 | 0.9 | 114 | AB | --- | 1.3 | ALAMO |
| 16 | 0:49:38 | 38.958 | 115.638 | 0.9 | 10.03 | 2.1 | 291 | DD | 2.4 | --- | ***REGIONAL*** |
| 16 | 18:42: 3 | 38.928 | 115.324 | 5.0 | -0.89 | 3.0 | 289 | DD | 1.8 | --- | ***REGIONAL*** |
| 18 | 3:21:31 | 37.485 | 115.428 | 0.4 | 10.21 | 1.9 | 61 | BC | --- | 1.2 | CRESCENT RESERVOIR |
| 18 | 21:56:19 | 36.735 | 116.799 | 1.3 | 5.98 | 2.3 | 343 | BD | --- | 0.2 | CHLORIDE CLIFF |
| 19 | 1:36:58 | 37.142 | 117.944 | 2.2 | 2.73 | 7.4 | 381 | CD | 1.0 | 1.2 | WAUCOBA SPRING |
| 19 | 2:32:30 | 35.995 | 114.687 | 2.1 | 0.10 | 1.7 | 383 | BD | 2.1 | 1.7 | RINGBOLT RAPIDS |
| 19 | 2:32:51 | 35.868 | 114.719 | 3.3 | 2.11 | 2.9 | 383 | CD | --- | 1.6 | WILLOW BEACH |
| 20 | 9:34:45 | 37.227 | 117.868 | 0.7 | 0.12 | 1.2 | 212 | AD | 1.7 | --- | WAUCOBA SPRING |
| 20 | 15:43:48 | 36.628 | 116.382 | 0.5 | 4.31 | 0.7 | 247 | AD | 1.6 | 0.7 | LATHROP WELLS NW |
| 21 | 5:19:18 | 37.212 | 117.863 | 0.8 | 5.02 | 2.9 | 213 | BD | 1.3 | 1.3 | WAUCOBA SPRING |
| 21 | 5:19:29 | 37.216 | 117.896 | 0.5 | 8.95 | 1.8 | 221 | AD | 1.8 | 1.3 | WAUCOBA SPRING |
| 21 | 7:19:16 | 37.162 | 116.218 | 0.3 | 1.85 | 1.0 | 122 | AC | --- | 0.9 | RAINIER MESA |
| 21 | 11:20: 7 | 36.398 | 117.032 | 0.7 | 15.98 | 1.4 | 112 | AB | 0.7 | 1.2 | EMIGRANT CANYON |
| 21 | 11:20:58 | 36.392 | 117.049 | 0.7 | 18.89 | 1.2 | 126 | AB | 1.8 | 1.1 | EMIGRANT CANYON |
| 21 | 13:58:53 | 37.579 | 118.072 | 3.7 | 13.00 | 1.7 | 309 | CD | 2.4 | --- | ***REGIONAL*** |
| 21 | 20: 0:44 | 37.934 | 118.473 | 19.6 | 6.38 | 7.7 | 256 | DD | 2.0 | --- | ***REGIONAL*** |
| 22 | 11:38:31 | 36.695 | 116.279 | 0.7 | 4.08 | 0.8 | 218 | AD | --- | 0.9 | STRIPED HILLS |
| 22 | 11:47:31 | 36.683 | 116.286 | 0.4 | 1.86* | --- | 215 | CD | --- | 0.8 | STRIPED HILLS |
| 22 | 19:50:56 | 36.313 | 118.329 | 2.4 | -1.01 | 1.8 | 281 | BD | 1.8 | --- | ***REGIONAL*** |
| 22 | 22: 3: 4 | 37.226 | 116.304 | 0.2 | 8.86 | 0.4 | 49 | AA | 1.8 | 1.3 | AMMONIA TANKS |
| 24 | 1:59:58 | 37.089 | 115.184 | 1.9 | 11.97* | --- | 214 | CD | 1.6 | 1.5 | LOWER PAHRANAGAT LAKE SW |
| 24 | 2: 0:22 | 37.088 | 115.190 | 0.5 | 7.00* | --- | 164 | CD | --- | 1.3 | LOWER PAHRANAGAT LAKE SW |
| 24 | 2:31:13 | 37.159 | 117.405 | 0.3 | 5.40 | 2.2 | 129 | BC | 0.9 | 0.9 | UBEHEBE CRATER |
| 24 | 2:31:24 | 37.194 | 117.399 | 0.5 | 9.85 | 1.5 | 125 | AC | 1.1 | 0.9 | UBEHEBE CRATER |
| 24 | 11:38:37 | 37.156 | 117.404 | 0.2 | 4.72 | 1.7 | 130 | AC | 1.9 | 1.1 | UBEHEBE CRATER |
| 24 | 13:11: 5 | 36.865 | 116.171 | 0.2 | 3.51 | 0.3 | 85 | AA | 0.9 | 1.2 | SKULL MTN |
| 24 | 16: 4:13 | 37.157 | 117.398 | 0.3 | 6.45 | 1.5 | 127 | AC | 1.1 | 1.1 | UBEHEBE CRATER |
| 24 | 16:19:14 | 37.159 | 117.407 | 0.2 | 0.49 | 0.3 | 123 | AC | 1.2 | 1.4 | UBEHEBE CRATER |
| 24 | 17:21:33 | 37.160 | 117.404 | 0.1 | 2.20 | 0.3 | 122 | AC | 1.9 | 1.5 | UBEHEBE CRATER |
| 24 | 21:14:16 | 36.675 | 116.419 | 0.3 | 6.95 | 0.5 | 191 | AD | 0.9 | 1.1 | LATHROP WELLS NW |
| 24 | 21:14:55 | 36.672 | 116.427 | 0.2 | 8.89 | 0.5 | 119 | AB | 1.8 | 0.9 | LATHROP WELLS NW |
| 24 | 22:43:17 | 37.034 | 115.860 | 0.2 | -0.12 | 0.3 | 117 | AC | 1.6 | 1.4 | PAIUTE RIDGE |
| 25 | 18: 8:60 | 36.682 | 116.005 | 1.0 | 6.35 | 2.7 | 387 | BD | --- | 1.6 | CAMP DESERT ROCK |
| 26 | 13:40:51 | 37.010 | 115.381 | 0.7 | 11.33 | 1.9 | 168 | AC | 1.9 | 1.6 | DESERT HILLS SE |
| 26 | 19:30:13 | 37.054 | 116.165 | 0.3 | 2.12 | 1.9 | 164 | AC | 1.4 | 1.6 | REVEILLE PEAK |
| 26 | 22:21:30 | 36.731 | 115.663 | 0.4 | 7.49 | 1.5 | 150 | AC | --- | 1.3 | INDIAN SPRINGS NW |
| 26 | 22:53:20 | 37.554 | 116.414 | 0.8 | 10.97 | 1.4 | 116 | AB | 0.4 | 1.0 | MELLAN |
| 26 | 23:30:12 | 37.215 | 118.452 | 0.3 | 9.88 | 1.4 | 114 | AC | 2.0 | 1.4 | DESERT HILLS NW |
| 26 | 23:47:11 | 37.071 | 116.033 | 0.5 | 4.15 | 3.8 | 281 | BD | 1.1 | 0.8 | YUCCA FLAT |
| 26 | 23:48:17 | 37.085 | 116.051 | 0.3 | 2.09 | 0.8 | 139 | AC | 0.9 | 0.9 | YUCCA FLAT |
| 27 | 0:17:57 | 37.229 | 118.456 | 0.3 | 1.89 | 1.6 | 118 | AC | 1.9 | 0.8 | DESERT HILLS NW |

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1984 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP 27 13:40: 9 | 36.688 | 116.224 | 0.2 | -0.85 | 0.2 | 71 | AB | 1.7 | 1.5 | STRIPED HILLS |
| 28 2: 0: 7 | 37.305 | 115.348 | 0.5 | 1.92 | 1.6 | 81 | AC | 2.1 | 1.8 | BADGER SPRING |
| 28 18:54:60 | 37.288 | 117.642 | 0.3 | 5.08 | 0.6 | 119 | AB | 1.9 | 1.2 | MAGRUDER MTN |
| 29 10: 9:35 | 37.287 | 117.651 | 0.4 | 6.00 | 0.7 | 128 | AB | --- | 0.9 | MAGRUDER MTN |
| 29 10:10: 0 | 37.294 | 117.642 | 0.7 | 3.81 | 2.0 | 118 | BB | 0.9 | 0.8 | MAGRUDER MTN |
| 29 10:12:47 | 37.283 | 117.646 | 0.3 | 1.78 | 0.8 | 122 | AB | --- | 1.1 | MAGRUDER MTN |
| 29 10:36:30 | 37.288 | 117.640 | 0.2 | 6.43 | 0.4 | 117 | AB | 2.0 | 1.9 | MAGRUDER MTN |
| 29 10:37:29 | 37.286 | 117.640 | 0.3 | 4.10 | 0.9 | 117 | AB | --- | 1.2 | MAGRUDER MTN |
| 29 10:41: 0 | 37.298 | 117.641 | 0.2 | 2.61 | 0.5 | 117 | AB | --- | 1.3 | MAGRUDER MTN |
| 29 11:10: 3 | 37.295 | 117.636 | 0.2 | 1.52 | 0.5 | 113 | AB | 1.6 | 1.2 | MAGRUDER MTN |
| 29 18:32: 8 | 37.536 | 117.428 | 0.6 | 9.92 | 0.8 | 256 | AD | 1.0 | 1.0 | MONTEZUMA PEAK SW |
| 29 20:49:16 | 37.850 | 116.169 | 0.7 | 5.45 | 7.0 | 129 | CC | --- | 1.1 | REVEILLE PEAK |
| 30 0:38:12 | 37.835 | 116.422 | 0.3 | 9.89 | 0.3 | 178 | AC | 1.5 | 0.9 | TIMBER MTN |
| 30 0:39: 3 | 37.828 | 116.412 | 0.2 | 9.73 | 0.2 | 172 | AC | 1.2 | 0.7 | TIMBER MTN |
| 30 1: 1:53 | 37.829 | 116.422 | 0.5 | 9.29 | 0.3 | 233 | AD | 1.1 | 0.6 | TIMBER MTN |
| 30 2:10:19 | 37.832 | 116.407 | 0.6 | 9.75 | 0.3 | 234 | AD | 1.0 | 0.5 | TIMBER MTN |
| OCT 2 21:35:42 | 37.836 | 115.783 | 0.8 | 3.43* | --- | 65 | CC | 2.1 | --- | WHITE BLOTCH SPRINGS |
| 3 15: 0:54 | 38.033 | 117.091 | 0.4 | 10.00 | 2.1 | 214 | BD | 1.6 | 1.6 | TONOPAH |
| 4 8:51:22 | 37.814 | 116.366 | 0.5 | 10.31 | 0.6 | 125 | AB | 0.9 | 0.4 | BUCKBOARD MESA |
| 4 9:33:50 | 36.709 | 115.801 | 2.5 | 2.58 | 6.9 | 274 | CD | --- | 1.0 | TIN SPRING |
| 5 16:10:54 | 36.646 | 119.218 | --- | 28.74 | --- | 344 | AD | 2.8 | --- | ***REGIONAL*** |
| 5 17: 9:50 | 37.225 | 117.879 | 0.4 | 11.72 | 0.6 | 165 | AC | --- | 1.4 | LAST CHANCE RANGE |
| 6 1:40:54 | 37.532 | 115.750 | 0.7 | 1.11 | 2.0 | 71 | BC | 1.[illegible] | --- | WHITE BLOTCH SPRINGS |
| 8 18:30:37 | 36.959 | 117.100 | 0.4 | 2.07 | 1.3 | 64 | AB | 1.5 | --- | GRAPEVINE PEAK |
| 10 17:10: 0 | 35.997 | 116.941 | 1.2 | 2.44 | 2.1 | 226 | BD | 1.6 | 1.5 | WINGATE WASH |
| 10 17:57:49 | 36.534 | 115.709 | 0.6 | 1.49 | 2.4 | 149 | BC | --- | 1.1 | MERCURY SE |
| 15 0:40: 6 | 37.305 | 115.218 | 0.3 | 11.94 | 0.7 | 139 | AC | --- | 1.2 | ALAMO |
| 16 13:31:23 | 37.464 | 115.205 | 1.1 | 1.90 | 3.1 | 62 | CC | 1.3 | --- | ASH SPRINGS |
| 16 15:10: 3 | 37.387 | 114.962 | 3.0 | 0.05 | 2.3 | 245 | CD | 1.4 | --- | DELAMAR NW |
| 16 19:57:57 | 36.965 | 117.101 | 0.2 | 1.36 | 0.6 | 76 | AB | 1.0 | 1.5 | GRAPEVINE PEAK |
| 19 10:48:54 | 37.703 | 115.054 | 0.9 | 8.05 | 3.9 | 216 | BD | 1.4 | 1.3 | MIKO NE |
| 19 15:50:56 | 36.668 | 116.186 | 2.5 | 4.77 | 4.1 | 291 | CD | 0.6 | --- | SPECTER RANGE NW |
| 20 20: 0:34 | 36.663 | 116.384 | 0.5 | -0.18 | 0.3 | 212 | AD | 1.1 | 0.7 | LATHROP WELLS NW |
| 21 14:01:46 | 38.454 | 118.280 | 13.0 | 19.21 | 2.0 | 306 | DD | 2.7 | --- | ***REGIONAL*** |
| 21 14:55:31 | 38.192 | 117.689 | 3.8 | 10.40 | 1.6 | 255 | CD | 2.4 | --- | GILBERT |
| 21 21:24:19 | 36.527 | 116.232 | 0.2 | 6.06 | 1.2 | 85 | AC | 1.8 | 1.2 | SPECTER RANGE SW |
| 22 12: 5:22 | 37.161 | 116.566 | 0.2 | 0.03 | 0.3 | 100 | AC | 1.8 | 1.5 | THIRSTY CANYON NE |
| 24 16:24:53 | 37.085 | 116.166 | 0.2 | 0.08 | 0.2 | 98 | AB | 1.3 | 0.9 | TIPPIPAH SPRING |
| 24 16:25:18 | 37.084 | 116.194 | 0.3 | 1.99 | 0.9 | 121 | AB | 0.8 | 1.1 | TIPPIPAH SPRING |
| 26 7:51: 2 | 37.224 | 117.030 | 0.5 | 5.71 | 3.3 | 210 | BD | 1.2 | 1.3 | BONNIE CLAIRE |
| 26 7:51:13 | 37.228 | 117.030 | 0.3 | 6.82 | 1.6 | 211 | AD | 1.8 | 1.3 | BONNIE CLAIRE |
| 29 16:24: 8 | 36.567 | 116.220 | 0.6 | 6.92 | 2.4 | 172 | BC | --- | 1.1 | SPECTER RANGE SW |
| 29 16:24:18 | 36.569 | 116.213 | 0.3 | 3.64 | 4.8 | 169 | BC | 0.9 | 0.9 | SPECTER RANGE SW |
| 29 17: 1:28 | 36.774 | 115.320 | --- | 5.26 | --- | 189 | AD | --- | 1.2 | DEAD HORSE RIDGE |
| 30 4: 3:44 | 36.332 | 117.193 | 0.5 | 4.78 | 1.2 | 196 | AD | 1.9 | 1.6 | EMIGRANT CANYON |
| 30 15:55:13 | 37.929 | 116.135 | 0.8 | 5.56 | 4.6 | 228 | BD | --- | 1.3 | REVEILLE PEAK |
| 31 0: 7: 5 | 37.340 | 116.197 | 2.1 | 0.75 | 1.8 | 283 | DD | --- | 1.1 | QUARTZ DOME |
| 31 0: 7:35 | 37.530 | 116.702 | 0.5 | 15.01 | 0.7 | 328 | AD | 1.2 | 1.2 | MELLAN |
| 31 9:23:20 | 37.721 | 114.980 | 0.5 | 2.10 | 1.1 | 185 | AD | 1.4 | 1.4 | DELAMAR LAKE |
| 31 9:29:49 | 37.420 | 115.518 | 0.5 | 5.91 | 4.3 | 150 | BC | --- | 1.4 | GROOM RANGE NE |
| 31 19:13:58 | 37.692 | 115.450 | 1.7 | 6.98 | 2.2 | 286 | BD | --- | 1.4 | MT IRISH |
| NOV 1 0:19: 7 | 37.399 | 115.885 | 0.2 | 5.95 | 2.3 | 78 | BC | 1.8 | 1.4 | GROOM RANGE NE |
| 1 4:48:12 | 37.387 | 115.883 | 0.2 | 12.08 | 0.6 | 169 | AC | --- | 1.4 | GROOM RANGE NE |
| 3 3:33:19 | 35.719 | 115.947 | 2.1 | 2.57 | 5.3 | 156 | CC | --- | 0.7 | MERCURY |
| 4 20:39:48 | 37.328 | 115.234 | 0.4 | 4.11 | 6.5 | 151 | CC | --- | 1.0 | ALAMO |
| 6 11: 0:27 | 36.764 | 116.248 | 0.2 | 4.30 | 0.3 | 106 | AB | 1.3 | 0.8 | SKULL MTN |
| 8 15:40:26 | 37.095 | 116.085 | 1.7 | 6.98 | 2.5 | 154 | BC | 1.3 | 0.8 | YUCCA FLAT |
| 8 19:11: 4 | 37.852 | 115.077 | 1.1 | 14.85 | 3.4 | 296 | BD | --- | 1.8 | WHITE RIVER NARROWS |
| 8 2:44:23 | 37.073 | 116.187 | 0.3 | 5.51 | 0.5 | 166 | AC | --- | 1.5 | TIPPIPAH SPRING |
| 8 4: 0:27 | 37.658 | 115.072 | 0.6 | 3.17* | --- | 175 | CC | 1.3 | 1.4 | MIKO NE |
| 8 4:21:44 | 37.399 | 115.883 | 0.3 | 4.85 | 4.3 | 77 | BC | 1.8 | 1.6 | GROOM RANGE NE |
| 10 16:40: 1 | 36.987 | 116.057 | 3.4 | 3.49* | --- | 66 | DB | 3.0 | --- | YUCCA LAKE |
| 11 7:19:45 | 36.873 | 116.235 | 0.2 | 0.04 | 0.2 | 94 | AB | 1.1 | 1.0 | SKULL MTN |
| 13 23:28:37 | 37.409 | 115.092 | 1.4 | 7.08** | 1.3 | 297 | DD | 2.3 | --- | ALAMO NE |
| 14 2:40: 8 | 37.213 | 116.356 | 0.2 | 1.07 | 0.3 | 87 | AA | 1.6 | 1.0 | AMMONIA TANKS |
| 14 11:23:42 | 37.208 | 117.311 | 0.5 | 4.89 | 1.6 | 197 | AD | --- | 1.2 | UBEHEBE CRATER |

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1984 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV 14 | 17:18:35 | 36.587 | 118.059 | 0.9 | 8.15 | 3.5 | 289 | DD | 1.5 | 2.3 | ***REGIONAL*** |
| 15 | 1:18: 2 | 37.336 | 115.269 | 0.5 | 4.02 | 3.7 | 113 | BC | 1.7 | 1.5 | ALAMO |
| 15 | 2:50:26 | 37.405 | 115.512 | 0.5 | 6.01 | 3.4 | 153 | BC | --- | 1.1 | GROOM RANGE NE |
| 16 | 1:36:57 | 37.449 | 115.587 | 0.5 | 7.35 | 1.4 | 83 | AC | 1.8 | 2.2 | GROOM RANGE NE |
| 16 | 1:45:46 | 36.609 | 116.283 | 0.2 | 4.30 | 0.5 | 159 | AC | 0.9 | 0.9 | LATHROP WELLS SE |
| 16 | 3:58:49 | 36.649 | 116.338 | 0.5 | 0.34 | 0.3 | 181 | AD | --- | 0.7 | STRIPED HILLS |
| 17 | 3:56: 9 | 37.310 | 115.186 | 0.3 | 13.70 | 0.9 | 135 | AC | --- | 1.1 | ALAMO |
| 17 | 10:29:12 | 36.447 | 117.039 | 0.3 | 13.83 | 0.6 | 123 | AB | --- | 1.1 | EMIGRANT CANYON |
| 17 | 10:59:32 | 36.718 | 116.100 | 0.5 | 10.20 | 1.0 | 179 | AC | --- | 0.7 | SPECTER RANGE NW |
| 18 | 7:17: 0 | 37.184 | 116.366 | 0.2 | 6.60 | 1.9 | 146 | AC | 1.3 | 1.0 | THIRSTY CANYON NE |
| 19 | 5: 2:54 | 35.886 | 117.078 | 4.0 | 10.39 | 0.9 | 274 | CD | 2.3 | --- | MOUNTAIN SPRINGS CANYON |
| 19 | 21:51:50 | 37.120 | 115.197 | 0.5 | 0.00 | 0.2 | 258 | AD | 1.0 | 1.0 | LOWER PAHRANAGAT LAKE SW |
| 20 | 5:31:35 | 36.850 | 116.076 | 0.2 | 13.36 | 0.3 | 140 | AC | 1.1 | 1.0 | CANE SPRING |
| 21 | 1:10: 0 | 37.358 | 116.929 | 0.2 | 9.55 | 0.3 | 239 | AD | --- | 0.2 | TRAIL RIDGE |
| 22 | 7:40:11 | 37.148 | 117.407 | 0.2 | 0.21 | 0.3 | 134 | AC | --- | 1.0 | UBEHEBE CRATER |
| 22 | 7:40:50 | 37.147 | 117.407 | 0.4 | 0.01 | 2.2 | 134 | BC | --- | 1.3 | UBEHEBE CRATER |
| 22 | 10: 7:11 | 37.346 | 117.234 | 0.2 | 0.12 | 0.1 | 71 | AB | 1.3 | 1.3 | SCOTTYS JUNCTION SW |
| 23 | 11: 2: 3 | 36.871 | 116.119 | 0.1 | 1.00 | 0.2 | 117 | AB | --- | 0.7 | CANE SPRING |
| 23 | 11: 2:30 | 36.876 | 116.120 | 0.4 | 3.79 | 2.0 | 115 | AB | --- | 0.9 | YUCCA LAKE |
| 23 | 19:12:37 | 37.428 | 118.473 | 13.9 | 13.75 | 4.5 | 283 | DD | 3.6 | --- | ***REGIONAL*** |
| 24 | 2:35:21 | 37.447 | 118.563 | 6.7 | 1.56 | 4.8 | 294 | DD | 2.4 | --- | ***REGIONAL*** |
| 24 | 2:46:32 | 37.456 | 118.779 | 8.4 | 4.40 | 2.9 | 308 | DD | 2.6 | --- | ***REGIONAL*** |
| 24 | 5:10:27 | 37.414 | 118.231 | 14.0 | 11.50 | 4.0 | 286 | DD | 2.2 | --- | ***REGIONAL*** |
| 24 | 9:21:29 | 37.417 | 117.633 | 1.1 | 14.90 | 0.5 | 244 | BD | 2.7 | --- | MAGRUDER MTN |
| 25 | 9:49:23 | 37.252 | 116.059 | 0.2 | 5.22 | 0.4 | 60 | AA | 2.1 | 2.1 | OAK SPRING BUTTE |
| 25 | 18:22:34 | 37.493 | 118.432 | 4.9 | 9.21 | 1.5 | 299 | CD | 2.6 | --- | ***REGIONAL*** |
| 26 | 8:57:50 | 37.119 | 117.197 | 0.2 | 5.34 | 1.6 | 63 | AC | 2.1 | 1.9 | BONNIE CLAIRE SW |
| 26 | 16:21:41 | 37.459 | 118.703 | 0.2 | 3.44 | 3.8 | 385 | DD | 3.6 | --- | ***REGIONAL*** |
| 26 | 23:40:14 | 38.338 | 117.336 | 1.0 | 2.53 | 3.8 | 253 | BD | 2.2 | 2.4 | SAN ANTONIA RANCH |
| 27 | 17:26: 8 | 36.775 | 116.832 | 0.7 | 3.14 | --- | 287 | CD | 2.6 | 1.6 | BULLFROG |
| 28 | 1:19: 2 | 37.167 | 117.393 | 0.2 | 6.87 | 0.3 | 119 | AC | 1.6 | 1.7 | UBEHEBE CRATER |
| 28 | 6:44:37 | 37.429 | 118.494 | 8.3 | 6.07 | 2.7 | 308 | DD | 2.9 | --- | ***REGIONAL*** |
| 29 | 13:22:14 | 37.213 | 116.373 | 0.4 | 4.00 | 0.5 | 249 | AD | 1.2 | 1.3 | AMMONIA TANKS |
| 29 | 14:23:43 | 36.417 | 117.916 | 0.6 | 5.92 | 0.7 | 295 | AD | --- | 1.5 | KEELER |
| 30 | 7: 0: 2 | 37.463 | 118.596 | 7.6 | 0.91 | 5.4 | 296 | DD | 2.4 | --- | ***REGIONAL*** |
| 30 | 12:57:43 | 37.426 | 118.262 | 12.5 | 7.26 | 4.7 | 286 | DD | 2.3 | --- | ***REGIONAL*** |
| 30 | 18:36:43 | 36.572 | 116.851 | 0.2 | 6.29 | 1.3 | 93 | AC | --- | 0.9 | CHLORIDE CLIFF |
| DEC 1 | 4:55:53 | 37.461 | 118.798 | 14.5 | 3.83 | 4.9 | 329 | DD | 2.5 | --- | ***REGIONAL*** |
| 3 | 21:21:51 | 37.800 | 115.001 | 0.7 | 5.05 | 3.1 | 166 | BC | 0.8 | 1.5 | WHITE RIVER NARROWS |
| 4 | 0:16:41 | 37.270 | 116.184 | 0.1 | 0.43 | 0.3 | 100 | AB | 1.5 | 1.4 | QUARTET DOME |
| 4 | 1:22:40 | 36.606 | 116.275 | 0.4 | 3.58 | 1.3 | 168 | AC | 0.5 | 0.6 | LATHROP WELLS SE |
| 4 | 8:36:24 | 36.616 | 116.266 | 0.3 | 4.51 | 0.9 | 154 | AC | --- | 0.3 | LATHROP WELLS SE |
| 4 | 20:53:11 | 36.098 | 115.073 | 0.9 | 5.03 | 1.2 | 262 | AD | --- | 2.6 | LAS VEGAS SE |
| 5 | 0: 9:34 | 37.406 | 116.808 | 7.6 | 2.21 | 4.5 | 302 | DD | 2.6 | --- | ***REGIONAL*** |
| 5 | 15:29:22 | 37.434 | 117.027 | 0.8 | 18.05 | 3.0 | 326 | BD | 1.2 | 1.3 | SCOTTYS JUNCTION NE |
| 5 | 16:35:21 | 36.588 | 115.889 | 0.2 | 17.08 | 0.2 | 198 | AD | 0.6 | 0.8 | MERCURY SW |
| 5 | 20: 0:30 | 36.759 | 115.898 | 0.3 | 7.25 | 0.6 | 202 | AD | 0.5 | 0.9 | FRENCHMAN FLAT |
| 5 | 20:14:50 | 36.759 | 115.894 | 0.6 | 7.53 | 1.0 | 200 | AD | 0.7 | 1.0 | FRENCHMAN FLAT |
| 5 | 21:51: 3 | 37.202 | 116.277 | 0.1 | 9.04 | 0.1 | 227 | AD | 1.7 | --- | AMMONIA TANKS |
| 5 | 21:51: 3 | 37.202 | 116.277 | 0.1 | 9.10 | 0.1 | 227 | AD | 1.7 | --- | AMMONIA TANKS |
| 6 | 3:51: 4 | 36.358 | 117.922 | 0.5 | 0.45 | 0.5 | 259 | AD | --- | 1.8 | KEELER |
| 6 | 4:38:18 | 36.764 | 115.908 | 0.2 | 0.01 | 0.6 | 58 | AB | 1.9 | 2.3 | FRENCHMAN FLAT |
| 6 | 4:47:56 | 36.755 | 115.893 | 0.2 | 0.56 | 0.3 | 123 | AB | 0.7 | 1.3 | FRENCHMAN FLAT |
| 6 | 15:16:54 | 37.378 | 116.729 | 0.6 | 0.56 | 1.8 | 278 | AD | 1.3 | 1.5 | MELLAN |
| 7 | 16:42:27 | 36.754 | 115.588 | 0.6 | 1.36 | 1.1 | 258 | AD | 0.8 | 1.1 | TIM SPRING |
| 8 | 10:58:19 | 37.061 | 117.225 | 0.2 | 4.61 | 1.0 | 71 | AC | 1.3 | 1.3 | BONNIE CLAIRE SW |
| 9 | 0: 5:25 | 37.343 | 117.254 | 0.3 | 0.14 | 0.2 | 112 | AB | 1.2 | 1.4 | GOLD POINT |
| 9 | 2:34:35 | 37.338 | 117.245 | 0.1 | 0.77 | 0.1 | 85 | AA | 1.0 | 2.0 | SCOTTYS JUNCTION SW |
| 9 | 20:35:47 | 37.254 | 116.826 | 0.1 | 10.32 | 0.1 | 173 | AC | 1.0 | 1.0 | TRAIL RIDGE |
| 9 | 22:11:38 | 36.147 | 117.888 | 0.6 | 5.03 | 1.2 | 266 | AD | 1.9 | 2.3 | COSO PEAK |
| 9 | 23:11:57 | 37.351 | 116.483 | 0.1 | 15.31 | 0.2 | 258 | AD | 1.5 | 1.1 | SILENT BUTTE |
| 10 | 0:52:49 | 37.342 | 117.244 | 0.2 | 0.38 | 0.2 | 78 | AA | 1.4 | 1.5 | SCOTTYS JUNCTION SW |
| 10 | 4:17:54 | 37.042 | 116.301 | 0.1 | -0.96 | 0.1 | 100 | AB | 0.4 | 0.6 | BUCKBOARD MESA |
| 11 | 8: 9:12 | 36.603 | 115.843 | 0.2 | 2.99 | 1.0 | 101 | AC | 1.5 | 1.4 | MERCURY SE |
| 11 | 8:18:40 | 36.666 | 115.901 | 0.2 | 10.05 | 0.2 | 147 | AC | 1.1 | 1.2 | MERCURY |
| 11 | 9:41:13 | 37.342 | 117.242 | 0.2 | 0.44 | 0.1 | 97 | AB | 1.5 | 1.4 | SCOTTYS JUNCTION SW |

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1984 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 11 11: 1:21 | 36.587 | 115.838 | 0.2 | 5.19 | 1.1 | 101 | AC | 1.5 | 1.8 | MERCURY SE |
| 11 14:13:29 | 36.877 | 116.318 | 0.3 | 2.28 | 0.5 | 137 | AC | 0.8 | 0.6 | TOPOPAH SPRING |
| 11 14:48:49 | 37.469 | 116.375 | 0.2 | 31.31 | 0.1 | 220 | AD | 1.5 | 1.9 | SILENT CANYON NW |
| 11 15:39:38 | 36.597 | 115.823 | 0.2 | 2.01 | 0.8 | 139 | AC | 1.3 | 1.2 | MERCURY SE |
| 11 21:41:11 | 37.671 | 116.851 | 0.2 | 4.99 | 1.1 | 116 | AC | 1.0 | 1.7 | CACTUS SPRING |
| 11 23:46:54 | 36.988 | 116.483 | 0.6 | 4.20 | 1.0 | 160 | AC | 1.0 | 0.9 | TOPOPAH SPRING NW |
| 12 3:32:27 | 36.799 | 116.224 | 0.1 | 0.98 | 0.3 | 188 | AD | 0.6 | 0.5 | SKULL MTN |
| 12 8:35: 4 | 37.348 | 117.246 | 0.1 | 0.85 | 0.1 | 84 | AA | 1.6 | 1.6 | SCOTTYS JUNCTION SW |
| 14 5: 4:27 | 37.341 | 117.241 | 0.2 | 0.37 | 0.1 | 78 | AA | 1.5 | 1.7 | SCOTTYS JUNCTION SW |
| 14 13:44:11 | 37.335 | 117.258 | 0.3 | 1.98 | 0.5 | 111 | AB | 1.3 | 1.4 | GOLD POINT |
| 14 13:58:22 | 37.347 | 117.251 | 0.2 | 0.24 | 0.2 | 161 | AC | 1.3 | 1.4 | GOLD POINT |
| 14 20:51:33 | 37.336 | 117.251 | 0.1 | 1.49 | 0.3 | 68 | AA | 1.7 | 2.0 | GOLD POINT |
| 16 2:24:27 | 37.343 | 117.238 | 0.2 | -0.03 | 0.2 | 138 | AC | 1.5 | 1.9 | SCOTTYS JUNCTION SW |
| 17 1: 5:29 | 37.345 | 117.246 | 0.2 | 0.18 | 0.1 | 155 | AC | —— | 1.3 | SCOTTYS JUNCTION SW |
| 18 0:41: 7 | 37.205 | 117.181 | 0.1 | 1.41 | 0.5 | 62 | AC | 1.8 | 1.7 | BONNIE CLAIRE NW |
| 18 4:42:15 | 37.337 | 117.247 | 0.1 | 0.87 | 0.1 | 69 | AA | 1.6 | 1.6 | SCOTTYS JUNCTION SW |
| 18 4:54:27 | 37.349 | 117 244 | 0.2 | 0.46 | 0.1 | 119 | AB | 1.6 | 1.3 | SCOTTYS JUNCTION SW |
| 19 0:47:52 | 36.702 | 116.296 | 0.2 | -0.26 | 0.2 | 177 | AC | 0.8 | 0.5 | STRIPED HILLS |
| 19 2:19:29 | 37.289 | 115.407 | 0.2 | 7.05 | 1.0 | 94 | AC | 1.3 | 1.7 | CUTLER RESERVOIR |
| 19 7:48:58 | 36.644 | 115.632 | 0.2 | -0.83 | 0.2 | 184 | AD | 1.0 | 0.5 | MERCURY NE |
| 19 22:33: 7 | 37.350 | 117.237 | 0.1 | -0.07 | 0.1 | 71 | AB | 1.6 | 2.0 | SCOTTYS JUNCTION SW |
| 20 18:46: 2 | 37.349 | 117.239 | 0.2 | -0.40 | 0.2 | 54 | AB | 1.6 | 1.6 | SCOTTYS JUNCTION SW |
| 20 18:54: 5 | 37.347 | 117.238 | 0.3 | -0.30 | 0.2 | 102 | AC | 1.3 | 1.4 | SCOTTYS JUNCTION SW |
| 20 20:57:19 | 37.138 | 116.067 | 0.2 | 17.24 | 0.2 | 161 | AC | 0.7 | 1.1 | OAK SPRING |
| 21 0:38: 9 | 37.161 | 116.605 | 0.1 | 5.45 | 0.3 | 88 | AB | 1.3 | 1.3 | THIRSTY CANYON NE |
| 21 1:19:38 | 36.647 | 116.620 | 0.2 | 14.01 | 0.2 | 195 | AD | 0.6 | 0.8 | BIG DUNE |
| 21 8:48:53 | 36.777 | 116.039 | 0.2 | 5.70 | 0.8 | 205 | AD | 0.5 | 0.7 | CANE SPRING |
| 21 8:53:24 | 37.342 | 117.242 | 0.1 | 0.39 | 0.1 | 53 | AA | 1.6 | 1.8 | SCOTTYS JUNCTION SW |
| 21 17:33:41 | 37.668 | 116.835 | 0.2 | 0.44 | 0.2 | 167 | AC | 1.3 | 1.4 | CACTUS SPRING |
| 21 21:36:28 | 37.680 | 115.245 | 0.1 | 2.77 | 0.1 | 202 | AD | 0.8 | 1.1 | FOSSIL PEAK |
| 21 22:49:13 | 37.165 | 116.613 | 0.2 | 7.03 | 0.8 | 136 | AC | 0.8 | 0.8 | THIRSTY CANYON NE |
| 21 22:54:14 | 37.163 | 116.615 | 0.2 | 10.19 | 0.4 | 93 | AB | 1.2 | 1.5 | THIRSTY CANYON NE |
| 21 22:57: 5 | 37.161 | 116.684 | 0.1 | 5.35 | 0.5 | 89 | AB | 1.1 | 1.3 | THIRSTY CANYON NE |
| 22 1:44:41 | 37.324 | 116.584 | 0.1 | 12.07 | 0.2 | 88 | AB | 1.4 | 1.7 | TRAIL RIDGE |
| 22 2:12:36 | 37.152 | 116.520 | 0.1 | 6.71 | 0.5 | 184 | AC | 1.1 | 1.8 | THIRSTY CANYON NE |
| 22 11:39:54 | 35.876 | 117.531 | 0.5 | 9.00 | 0.3 | 275 | AD | 1.9 | 2.5 | MOUNTAIN SPRINGS CANYON |
| 22 13:48:11 | 37.348 | 117.241 | 0.1 | 0.23 | 0.1 | 184 | AB | 2.0 | 2.0 | SCOTTYS JUNCTION SW |
| 22 20:50:19 | 36.731 | 115.473 | 0.3 | 12.83 | 1.4 | 185 | AC | 1.1 | 1.4 | BLACK HILLS NW |
| 22 22:31:57 | 37.859 | 117.245 | 0.1 | 5.22 | 0.7 | 168 | AC | 1.9 | 2.1 | MUD LAKE |
| 23 0:32:18 | 36.719 | 115.882 | 0.3 | 0.46 | 0.4 | 172 | AC | 0.6 | —— | MERCURY |
| 24 1:39:37 | 37.337 | 117.254 | 0.1 | 0.98 | 0.1 | 76 | AA | 1.2 | 1.4 | GOLD POINT |
| 24 15: 2:33 | 37.352 | 117.230 | 0.1 | -0.45 | 0.1 | 72 | AB | 1.4 | 1.8 | SCOTTYS JUNCTION SW |
| 25 19: 4: 5 | 37.339 | 117.253 | 0.2 | 1.45 | 0.4 | 69 | AA | 1.3 | 1.5 | GOLD POINT |
| 25 21:59:26 | 37.747 | 115.986 | 0.2 | -0.69 | 0.2 | 154 | AC | 1.2 | 1.8 | WHITE BLOTCH SPRINGS |
| 26 6:25: 8 | 36.827 | 116.745 | 0.4 | 5.54 | 0.9 | 253 | AD | 0.5 | 0.8 | BARE MTN |
| 26 10:18: 9 | 37.837 | 115.961 | 0.3 | 20.01 | 0.2 | 170 | AC | 1.2 | 1.7 | ***QUAD. NOT LISTED*** |
| 27 2:25: 5 | 37.341 | 117.252 | 0.2 | 0.49 | 0.2 | 153 | AC | 1.4 | 1.4 | GOLD POINT |
| 27 16:37:28 | 36.805 | 116.738 | 0.1 | 0.58 | 0.2 | 58 | AB | 1.1 | 1.3 | BARE MTN |
| 27 19:44: 4 | 36.800 | 116.729 | 0.1 | 4.89 | 0.6 | 81 | AB | 1.2 | 1.3 | BARE MTN |
| 28 8:41:28 | 37.294 | 116.572 | 0.2 | 4.27 | 0.7 | 76 | BB | 1.2 | 1.3 | TRAIL RIDGE |
| 28 18:15:18 | 37.063 | 116.508 | 0.3 | 1.48 | 0.8 | 69 | AC | 1.5 | —— | THIRSTY CANYON SE |
| 30 4:18:13 | 37.352 | 117.262 | 0.9 | 12.34 | 1.2 | 114 | BB | 2.2 | —— | GOLD POINT |

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9075900/505

1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | | | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | 1 | 4: 0:59 | 37.048 | 116.163 | 1.3 | 5.84 | 4.7 | 226 | BD | 1.9 | --- | REVEILLE PEAK |
| | 1 | 21:10:30 | 37.168 | 117.520 | 0.6 | 1.86 | 1.7 | 146 | AC | 1.6 | --- | LAST CHANCE RANGE |
| | 2 | 8:41:42 | 37.116 | 116.050 | 0.2 | 16.74 | 0.4 | 125 | AB | 1.3 | --- | YUCCA FLAT |
| | 2 | 21:40:34 | 36.893 | 115.995 | 0.2 | 3.32• | --- | 121 | CC | 1.6 | --- | PLUTONIUM VALLEY |
| | 3 | 20:47:49 | 37.341 | 117.251 | 0.4 | 0.84 | 0.3 | 76 | BA | 1.9 | --- | GOLD POINT |
| | 3 | 22:59:20 | 37.393 | 116.416 | 0.6 | 7.15 | 3.2 | 298 | BD | --- | 0.2 | SILENT CANYON NW |
| | 5 | 17:53:59 | 36.680 | 116.312 | 0.3 | 5.15 | 0.4 | 183 | AD | --- | 0.2 | STRIPED HILLS |
| | 6 | 9:40: 2 | 37.334 | 117.253 | 0.3 | 1.49 | 0.8 | 151 | AC | --- | 0.2 | GOLD POINT |
| | 6 | 14:18:20 | 37.103 | 116.202 | 0.1 | 0.01 | 0.2 | 93 | AC | 1.9 | --- | RAINIER MESA |
| | 6 | 16:38:55 | 36.343 | 117.071 | 1.4 | -0.74 | 1.3 | 293 | BD | 2.1 | --- | KEELER |
| | 6 | 17:51:12 | 36.695 | 116.347 | 0.1 | 0.84 | 0.1 | 241 | AD | --- | 0.2 | STRIPED HILLS |
| | 7 | 1:27:39 | 37.320 | 116.457 | 0.2 | 12.49 | 0.3 | 237 | AD | --- | 0.2 | SILENT BUTTE |
| | 8 | 5: 7:53 | 37.488 | 116.393 | 0.5 | 7.06 | 1.6 | 305 | AD | 1.8 | 1.4 | SILENT CANYON NW |
| | 8 | 6:59: 1 | 36.955 | 118.050 | 0.4 | 1.55 | 0.8 | 265 | AD | 2.7 | --- | •••REGIONAL••• |
| | 8 | 7: 0:59 | 36.921 | 118.127 | 1.9 | 6.73 | 9.4 | 287 | CD | --- | 0.2 | •••REGIONAL••• |
| | 9 | 2:55:36 | 37.273 | 116.192 | 4.6 | 0.05 | 4.1 | 300 | CD | --- | 1.1 | QUARTET DOME |
| | 10 | 17:53: 1 | 36.814 | 116.105 | 0.1 | 2.70 | 0.4 | 54 | AC | 1.7 | --- | SPECTER RANGE SE |
| | 13 | 14:46: 9 | 36.812 | 116.230 | 0.4 | 5.04 | 0.8 | 106 | AB | --- | 0.2 | SKULL MTN |
| | 13 | 22:21:15 | 36.366 | 115.769 | 0.2 | 14.40 | 0.2 | 125 | AB | 2.5 | --- | MT STIRLING |
| | 14 | 19:53:20 | 37.469 | 116.474 | 0.6 | 9.26 | 1.5 | 145 | AC | 1.4 | --- | SILENT CANYON NW |
| | 14 | 20:44:51 | 37.556 | 116.504 | 1.5 | 10.46 | 4.8 | 314 | BD | 1.5 | --- | MELLAN |
| | 15 | 3:15:13 | 37.303 | 117.004 | 0.2 | 0.01 | 0.5 | [illegible] | AB | --- | 0.2 | MAGRUDER MTN |
| | 15 | 8:13: 8 | 36.835 | 116.253 | 0.2 | 3.50 | 1.[illegible] | 113 | AB | 1.0 | --- | JACKASS FLATS |
| | 15 | 8:15:32 | 36.375 | 115.764 | 0.2 | 13.73 | 0.4 | 172 | AC | --- | 0.2 | MT STIRLING |
| | 15 | 8:50:55 | 37.351 | 116.437 | 0.6 | 7.77 | 1.6 | 257 | AD | 1.2 | --- | SILENT BUTTE |
| | 15 | 21:17:58 | 37.566 | 116.212 | 2.5 | 12.38 | 3.3 | 341 | BD | --- | 0.2 | BELTED PEAK |
| | 15 | 21:20:19 | 37.238 | 116.443 | 0.2 | 12.04 | 0.5 | 118 | AB | 1.9 | --- | SCRUGHAM PEAK |
| | 15 | 21:23:56 | 37.348 | 117.236 | 0.3 | -0.11 | 0.3 | 71 | AB | 2.1 | --- | SCOTTYS JUNCTION SW |
| | 16 | 18:17:54 | 37.297 | 116.299 | 0.5 | -0.71 | 0.3 | 285 | AD | -0.5 | --- | DEAD HORSE FLAT |
| | 16 | 13:36:59 | 37.345 | 117.238 | 0.3 | 0.25 | 0.2 | 71 | AB | --- | 0.2 | SCOTTYS JUNCTION SW |
| | 16 | 13:50:39 | 36.691 | 115.865 | 0.5 | -0.01 | 0.4 | 143 | AC | --- | 0.2 | MERCURY NE |
| | 16 | 14:32:54 | 37.363 | 117.242 | 0.3 | -0.81 | 0.2 | 168 | AC | --- | 0.2 | SCOTTYS JUNCTION SW |
| | 16 | 16:43:16 | 36.836 | 116.213 | 0.5 | 2.00 | 1.1 | 144 | BC | 1.5 | --- | SKULL MTN |
| | 16 | 17:17:53 | 36.873 | 116.227 | 0.6 | 0.19 | 0.6 | 149 | BC | --- | 0.2 | SKULL MTN |
| | 16 | 17:20:57 | 37.322 | 115.667 | 0.6 | -1.04 | 0.4 | 169 | BC | 1.6 | --- | ALAMO SE |
| | 17 | 9:23:55 | 37.348 | 117.238 | 0.2 | -0.05 | 0.2 | 71 | AB | 1.9 | --- | SCOTTYS JUNCTION SW |
| | 17 | 9:30:22 | 37.345 | 117.235 | 0.3 | 0.27 | 0.2 | 103 | AB | 1.9 | --- | SCOTTYS JUNCTION SW |
| | 17 | 20:32:31 | 36.712 | 116.276 | 0.3 | 6.56 | 0.3 | 185 | AD | --- | 0.2 | STRIPED HILLS |
| | 19 | 1:20:25 | 37.084 | 115.289 | 0.3 | 8.98 | 0.8 | 125 | AB | 2.1 | --- | DESERT HILLS SE |
| | 19 | 17:55: 7 | 37.351 | 117.235 | 0.3 | -0.26 | 0.2 | 120 | AB | 1.5 | --- | SCOTTYS JUNCTION SW |
| | 19 | 17:59:19 | 37.348 | 117.235 | 0.2 | 0.10 | 0.2 | 71 | AB | 1.9 | --- | SCOTTYS JUNCTION SW |
| | 19 | 21:31:57 | 37.136 | 116.576 | 0.1 | 13.33 | 0.3 | 86 | AA | 1.4 | --- | THIRSTY CANYON NE |
| | 20 | 0:51: 2 | 36.577 | 116.979 | 0.2 | 10.49 | 0.7 | 89 | AB | 1.7 | --- | CHLORIDE CLIFF |
| | 20 | 4:36:48 | 37.318 | 116.502 | 0.4 | 9.55 | 0.7 | 189 | AD | 1.7 | --- | TRAIL RIDGE |
| | 20 | 5:26:53 | 36.376 | 116.949 | 1.2 | 3.12• | --- | 338 | CD | 1.5 | --- | FURNACE CREEK |
| | 20 | 10:32:56 | 37.312 | 117.675 | 0.7 | 5.44 | 1.9 | 137 | AC | --- | 0.2 | MAGRUDER MTN |
| | 20 | 18:40:54 | 36.617 | 116.444 | 0.3 | 3.16 | 3.7 | 34 | BB | 2.0 | --- | LATHROP WELLS SW |
| | 20 | 18:46:52 | 36.617 | 116.455 | 0.3 | 5.04 | 0.9 | 138 | AC | 1.5 | --- | LATHROP WELLS SW |
| | 20 | 18:50:26 | 36.621 | 116.453 | 0.2 | 7.47 | 0.5 | 90 | AB | 1.7 | --- | LATHROP WELLS SW |
| | 20 | 19:17:29 | 36.621 | 116.453 | 0.5 | 4.37 | 1.4 | 261 | AD | 1.5 | --- | LATHROP WELLS SW |
| | 20 | 19:31:37 | 36.618 | 116.461 | 0.7 | 4.79 | 2.0 | 272 | AD | --- | 0.2 | LATHROP WELLS SW |
| | 20 | 20:11:24 | 36.617 | 116.455 | 0.5 | 6.48 | 0.8 | 273 | AD | 1.4 | --- | LATHROP WELLS SW |
| | 20 | 21:44:29 | 36.631 | 116.447 | 0.5 | 5.89 | 0.8 | 287 | AD | --- | 0.2 | LATHROP WELLS NW |
| | 20 | 22: 9:44 | 36.639 | 116.446 | 0.5 | 3.95 | 1.0 | 258 | AD | 1.3 | --- | LATHROP WELLS NW |
| | 20 | 22:43:19 | 36.618 | 116.451 | 0.4 | 5.84 | 0.8 | 271 | AD | 1.3 | --- | LATHROP WELLS SW |
| | 20 | 23:37:14 | 36.633 | 116.437 | 0.5 | 7.88 | 0.8 | 288 | AD | 1.3 | --- | LATHROP WELLS NW |
| | 20 | 23:59:24 | 36.620 | 116.447 | 0.2 | 6.03 | 0.5 | 278 | AD | 1.4 | --- | LATHROP WELLS SW |
| | 21 | 3:22:20 | 36.622 | 116.453 | 0.4 | 5.41 | 0.8 | 281 | AD | 1.5 | --- | LATHROP WELLS SW |
| | 21 | 4: 3:48 | 36.604 | 116.417 | 0.7 | 5.49 | 1.0 | 283 | AD | 1.4 | --- | LATHROP WELLS SW |
| | 21 | 4: 4: 7 | 36.617 | 116.430 | 0.5 | 9.72 | 0.5 | 272 | AD | 1.4 | --- | LATHROP WELLS SW |
| | 21 | 5:53:27 | 36.638 | 116.438 | 0.3 | 0.21 | 0.6 | 184 | AC | 1.7 | --- | LATHROP WELLS NW |
| | 21 | 5:58:55 | 36.618 | 116.445 | 0.4 | 0.57 | 0.7 | 274 | AD | --- | 0.2 | LATHROP WELLS SW |
| | 21 | 6: 1:24 | 36.618 | 116.459 | 0.6 | 3.52 | 3.4 | 272 | BD | --- | 0.2 | LATHROP WELLS SW |
| | 21 | 6:40:54 | 36.612 | 116.472 | 1.1 | 3.63 | 6.8 | 283 | CD | --- | 0.2 | LATHROP WELLS SW |
| | 21 | 8: 5:32 | 36.619 | 116.453 | 0.7 | 6.48 | 1.0 | 271 | AD | 1.4 | --- | LATHROP WELLS SW |
| | 21 | 9:10:57 | 36.621 | 116.449 | 0.3 | 6.46 | 0.5 | 278 | AD | --- | 0.2 | LATHROP WELLS SW |



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## 1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| JAN 21 9:12:13 | 36.613 | 116.465 | 0.6 | 3.85 | 2.9 | 275 | BD | --- | 0.2 | LATHROP WELLS SW |
| 21 15:24: 9 | 36.620 | 116.453 | 0.4 | 5.38 | 0.9 | 271 | AD | --- | 0.2 | LATHROP WELLS SW |
| 21 15:29:11 | 36.619 | 116.457 | 0.7 | 4.68 | 2.1 | 271 | BD | 1.3 | --- | LATHROP WELLS SW |
| 21 17:23:15 | 36.612 | 116.472 | 1.2 | 1.86 | 1.9 | 276 | BD | 1.3 | --- | LATHROP WELLS SW |
| 21 17:52: 6 | 36.618 | 116.444 | 0.7 | 7.70 | 0.9 | 276 | AD | --- | 0.2 | LATHROP WELLS SW |
| 21 19: 0:54 | 37.844 | 116.232 | 0.5 | 1.96 | 1.9 | 97 | AC | --- | 0.2 | REVEILLE PEAK |
| 21 21:21:11 | 36.623 | 116.445 | 0.2 | 6.61 | 0.5 | 133 | AB | 1.8 | --- | LATHROP WELLS SW |
| 21 22:11:49 | 36.633 | 116.438 | 0.4 | 6.24 | 0.8 | 264 | AD | --- | 0.2 | LATHROP WELLS NW |
| 22 0:20:27 | 37.348 | 117.249 | 0.3 | 0.45 | 0.2 | 118 | AB | 1.8 | --- | SCOTTYS JUNCTION SW |
| 22 1: 0:50 | 36.633 | 116.446 | 0.5 | 5.11 | 0.9 | 261 | AD | --- | 0.2 | LATHROP WELLS NW |
| 22 2:15:50 | 37.345 | 117.233 | 0.3 | 0.22 | 0.2 | 71 | AB | 1.5 | --- | SCOTTYS JUNCTION SW |
| 22 9: 8: 9 | 36.647 | 116.401 | 30.6 | 9.02* | --- | 287 | DD | --- | 0.2 | LATHROP WELLS NW |
| 22 14: 6: 2 | 36.596 | 115.987 | 0.3 | 9.65 | 0.6 | 84 | AA | --- | 0.2 | MERCURY SW |
| 22 14:26:36 | 36.644 | 116.438 | 0.5 | 4.28 | 1.0 | 252 | AD | 1.6 | --- | LATHROP WELLS NW |
| 23 2:47: 3 | 36.615 | 116.454 | 0.7 | 6.29 | 1.3 | 274 | AD | 1.6 | --- | LATHROP WELLS SW |
| 23 10:48:21 | 36.727 | 116.053 | 0.3 | -0.26 | 0.3 | 135 | AC | 1.7 | --- | CAMP DESERT ROCK |
| 24 5:27:42 | 36.654 | 116.242 | 0.2 | 2.61 | 0.6 | 112 | AB | --- | 0.2 | SPECTER RANGE NW |
| 24 12:26:50 | 37.246 | 114.985 | 0.8 | 8.56 | 1.7 | 218 | AD | 2.8 | --- | DELAMAR 3 NW |
| 25 8:24:37 | 36.618 | 116.259 | 0.3 | 5.89 | 0.6 | 148 | AC | 1.1 | --- | LATHROP WELLS SE |
| 25 22:46: 5 | 37.488 | 115.583 | 0.6 | 4.93 | 0.2 | 154 | CC | 1.6 | --- | GROOM RANGE NE |
| 25 23:44:53 | 36.621 | 116.449 | 0.3 | 6.81 | 0.6 | 278 | AD | 1.3 | --- | LATHROP WELLS SW |
| 26 22:57:29 | 36.598 | 116.614 | 0.5 | 15.32 | 0.6 | 171 | AC | --- | 0.2 | SPECTER RANGE SE |
| 26 23:25:36 | 36.638 | 116.435 | 0.3 | 6.84 | 0.4 | 256 | AD | --- | 0.2 | LATHROP WELLS NW |
| 27 3:43:11 | 36.623 | 116.449 | 0.2 | 5.47 | 0.7 | 135 | AB | 1.8 | -- | LATHROP WELLS SW |
| 27 10:37:15 | 36.852 | 117.721 | 0.8 | 2.84 | 2.9 | 212 | BD | 2.1 | --- | DRY MTN |
| 27 11:25:28 | 36.778 | 115.868 | 0.6 | 8.98 | 1.3 | 226 | AD | --- | 0.2 | FRENCHMAN LAKE SE |
| 27 17:59:40 | 36.599 | 115.828 | 0.3 | 8.84 | 0.4 | 136 | AC | --- | 0.2 | MERCURY SE |
| 27 23:37: 2 | 37.233 | 117.698 | 0.4 | 11.06 | 0.5 | 199 | AD | --- | 0.2 | LAST CHANCE RANGE |
| 28 6: 3:57 | 36.936 | 116.101 | 0.2 | 3.59 | 0.5 | 68 | AB | 1.5 | --- | YUCCA LAKE |
| 29 16:14:25 | 36.716 | 116.234 | 0.2 | 3.43 | 0.2 | 212 | AD | --- | 0.2 | SPECTER RANGE NW |
| 29 18:19:19 | 36.624 | 116.453 | 0.5 | 5.25 | 1.3 | 273 | AD | 1.4 | --- | LATHROP WELLS SW |
| 29 18:41:21 | 36.622 | 116.452 | 0.1 | 8.25 | 0.3 | 72 | AB | 1.5 | --- | LATHROP WELLS SW |
| 29 21:58:28 | 37.218 | 114.788 | 0.4 | 5.53 | 4.0 | 212 | BD | 2.2 | --- | VIGO NW |
| 30 12:48:58 | 36.617 | 116.452 | 0.3 | 4.55 | 1.0 | 278 | AD | --- | 0.2 | LATHROP WELLS SW |
| 31 3:27:30 | 37.490 | 116.417 | 0.7 | 11.62 | 1.3 | 300 | AD | --- | 0.2 | SILENT CANYON NW |
| 31 8:25:43 | 36.754 | 115.916 | 0.3 | 9.33 | 0.6 | 158 | AC | --- | 0.2 | FRENCHMAN FLAT |
| 31 14: 6: 1 | 37.035 | 116.030 | 0.4 | 6.61 | 0.8 | 188 | AD | --- | 0.2 | YUCCA FLAT |
| 31 18:50:22 | 37.314 | 115.783 | 1.2 | 3.83* | --- | 342 | CD | 2.4 | --- | GROOM MINE SE |
| FEB 1 4:25:27 | 36.888 | 116.127 | 1.3 | 6.80 | 0.6 | 318 | BD | --- | 0.8 | MINE MTN |
| 1 15:47: 9 | 36.864 | 116.106 | 0.5 | 3.46 | 0.6 | 196 | AD | --- | 0.9 | CANE SPRING |
| 1 18:33:36 | 36.747 | 115.916 | 0.4 | 9.11 | 0.7 | 183 | AD | --- | 0.7 | MERCURY |
| 2 12:12:54 | 36.588 | 116.034 | 0.2 | 6.09 | 1.0 | 212 | AD | 1.2 | 0.8 | BIG DUNE |
| 2 12:15:25 | 36.583 | 116.034 | 0.1 | 4.31 | 3.8 | 91 | BC | 1.5 | 0.8 | BIG DUNE |
| 2 13:18:47 | 37.568 | 117.728 | 0.4 | 4.13 | 5.6 | 148 | CC | --- | 1.3 | LIDA WASH |
| 3 21:33:39 | 36.827 | 116.728 | 0.5 | 2.07 | 0.7 | 248 | AD | 1.0 | 0.3 | BARE MTN |
| 5 12: 6:21 | 38.031 | 115.402 | 0.8 | 7.66 | 1.5 | 232 | AD | 1.5 | 1.5 | ***QUAD. NOT LISTED*** |
| 6 10:59:48 | 37.231 | 116.012 | 1.3 | 7.56 | 0.5 | 311 | BD | --- | 0.8 | OAK SPRING |
| 6 15:26: 9 | 36.637 | 116.399 | 0.2 | 3.25 | 0.3 | 254 | AD | --- | 5.5 | LATHROP WELLS NW |
| 6 22:10: 5 | 36.587 | 116.301 | 0.3 | 3.42 | 4.2 | 234 | BD | --- | 0.9 | LATHROP WELLS SE |
| 7 12: 8:45 | 36.587 | 115.852 | 0.6 | 12.59 | 1.3 | 123 | AB | --- | 0.8 | MERCURY SE |
| 8 5: 9: 9 | 36.548 | 116.256 | 0.2 | 0.87 | 0.5 | 191 | AD | 1.1 | 0.8 | LATHROP WELLS SE |
| 8 6:19:45 | 37.190 | 116.566 | 0.1 | 0.67 | 0.2 | 114 | AC | 1.9 | 1.1 | THIRSTY CANYON NE |
| 8 6:21: 4 | 36.558 | 116.273 | 0.6 | 11.93 | 1.2 | 231 | AD | --- | 0.3 | LATHROP WELLS SE |
| 8 6:34:46 | 37.202 | 116.566 | 0.5 | 0.34 | 2.0 | 171 | BC | 1.3 | 0.8 | THIRSTY CANYON NE |
| 8 9:14:52 | 36.561 | 116.254 | 0.1 | 7.76 | 0.6 | 97 | AB | 1.0 | 0.8 | LATHROP WELLS SE |
| 9 3:31: 0 | 36.798 | 116.077 | 0.8 | 6.76 | 1.5 | 209 | AD | 1.6 | 1.7 | CANE SPRING |
| 9 5:31: 2 | 36.865 | 116.241 | 0.5 | 3.92 | 1.7 | 58 | BB | 2.3 | 1.5 | SKULL MTN |
| 9 5:35: 1 | 36.774 | 116.010 | 1.4 | 8.29 | 2.3 | 257 | BD | 1.4 | 1.1 | BULLFROG |
| 9 5:39: 0 | 36.828 | 116.041 | 1.1 | 0.87 | 1.0 | 215 | BD | 1.0 | 0.8 | BARE MTN |
| 9 23: 9:32 | 36.752 | 115.896 | 0.5 | 4.19 | 2.3 | 195 | BD | --- | 0.7 | FRENCHMAN FLAT |
| 10 13:48:19 | 36.994 | 116.278 | 0.1 | 0.48 | 0.3 | 87 | AB | 1.0 | 1.1 | TOPOPAH SPRING |
| 10 13:53:28 | 37.018 | 116.176 | 0.5 | 6.72 | 1.0 | 137 | AC | --- | 0.3 | BUCKBOARD MESA |
| 11 8:48:38 | 36.541 | 115.881 | 0.8 | 13.91 | 1.2 | 189 | AD | --- | 0.9 | MERCURY SW |
| 13 3:30:59 | 36.588 | 116.008 | 0.8 | 20.01 | 1.6 | 148 | BC | 1.7 | 1.1 | BIG DUNE |
| 13 3:32:10 | 36.594 | 116.413 | 0.5 | 1.09 | 1.6 | 146 | AC | 1.1 | 0.8 | LATHROP WELLS SW |
| 13 3:35: 1 | 36.562 | 116.264 | 0.3 | 5.86 | 2.5 | 95 | BB | 1.5 | 1.2 | LATHROP WELLS SE |

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1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| FEB 13 3:37: 0 | 36.546 | 116.114 | 0.4 | 9.38 | 1.1 | 124 | AB | 1.4 | 1.2 | SPECTER RANGE SE |
| 13 3:39: 0 | 36.577 | 115.758 | 0.7 | 4.99 | 3.3 | 171 | BC | 2.0 | 2.0 | MERCURY SE |
| 13 5:31: 7 | 36.591 | 115.814 | 0.7 | -0.47 | 0.9 | 186 | BD | 1.3 | 1.5 | MERCURY SW |
| 13 5:33: 1 | 36.505 | 116.588 | 0.3 | 3.02* | --- | 163 | CC | 1.6 | 0.8 | BIG DUNE |
| 13 5:35:10 | 36.869 | 116.315 | 0.9 | 5.84 | 1.0 | 184 | BB | 1.6 | 1.0 | LATHROP WELLS SE |
| 13 5:37: 0 | 36.581 | 116.193 | 0.2 | 0.78 | 0.4 | 89 | AC | 1.0 | 1.0 | SPECTER RANGE SW |
| 13 5:39: 0 | 36.589 | 116.660 | 0.2 | 0.79 | 0.4 | 92 | AC | 1.6 | 1.3 | BIG DUNE |
| 13 8:24:24 | 36.903 | 116.654 | 0.2 | 0.67 | 0.3 | 134 | AC | 1.5 | 1.0 | BARE MTN |
| 14 4:51:29 | 36.728 | 116.488 | 3.9 | 0.22 | 3.0 | 259 | CD | 1.0 | 0.7 | LATHROP WELLS NW |
| 14 18:47:39 | 36.651 | 115.773 | 1.1 | 14.70 | 2.7 | 213 | BD | 1.2 | 0.9 | MERCURY NE |
| 15 1:18: 3 | 37.659 | 115.853 | --- | 7.35 | --- | 182 | AD | --- | 0.9 | HIKO NE |
| 15 9:42:27 | 35.904 | 116.846 | 4.1 | 2.66* | --- | 266 | CD | 1.7 | 1.9 | WINGATE WASH |
| 15 11:27:00 | 36.989 | 117.619 | 1.0 | 7.14 | 3.2 | 213 | BD | --- | 1.3 | DRY MTN |
| 15 21: 3:28 | 37.639 | 114.939 | 7.9 | 7.00** | 4.1 | 195 | DD | --- | 0.0 | PAHROC SPRING |
| 16 17:10:43 | 36.958 | 116.237 | 0.6 | 5.06 | 1.3 | 181 | AD | --- | 0.6 | SPECTER RANGE SW |
| 18 9: 0:55 | 36.780 | 115.428 | 1.7 | 4.78* | --- | 301 | CD | --- | 1.3 | DOG BONE LAKE SOUTH |
| 18 9:18:28 | 37.400 | 116.463 | 1.3 | 17.85 | 1.0 | 277 | BD | --- | 1.0 | SILENT CANYON NW |
| 18 21:37:59 | 37.319 | 117.628 | 1.1 | 7.18 | 2.2 | 157 | BC | 1.6 | 1.1 | MAGRUDER MTN |
| 19 1:34:32 | 36.645 | 115.739 | 0.5 | 0.47 | 0.7 | 162 | BC | 1.6 | 1.2 | INDIAN SPRINGS NW |
| 19 22:41:33 | 36.865 | 116.113 | 0.3 | 2.84 | 0.5 | 90 | AB | 1.7 | 1.3 | CANE SPRING |
| 19 23:45: 9 | 36.864 | 116.113 | 0.4 | 2.40 | 0.9 | 114 | AB | 1.5 | 1.2 | CANE SPRING |
| 20 2:34:40 | 36.874 | 116.115 | 0.4 | 2.32 | 0.4 | 125 | AB | --- | 0.6 | CANE SPRING |
| 20 11:23:54 | 37.497 | 115.315 | 0.4 | 4.35 | 0.4 | 133 | CC | --- | 1.3 | HANCOCK SUMMIT |
| 21 16:23:51 | 36.679 | 116.161 | 0.4 | 15.78 | 0.7 | 144 | AC | --- | 0.6 | SPECTER RANGE NW |
| 22 2: 7:19 | 37.079 | 117.099 | 0.5 | 8.48 | 1.7 | 94 | BB | 1.7 | 1.0 | BONNIE CLAIRE SE |
| 23 14: 2:37 | 36.813 | 117.383 | 1.1 | 7.00** | 9.1 | 295 | CD | --- | 1.9 | MATURANGO |
| 25 1: 2:35 | 37.367 | 116.585 | 1.5 | 4.66 | 5.6 | 133 | CC | --- | 1.3 | BLACK MTN NE |
| 25 8:17:57 | 37.126 | 115.937 | 0.9 | 9.92 | 1.1 | 247 | AD | --- | 1.2 | JANGLE RIDGE |
| 25 19:48: 9 | 36.979 | 116.457 | 0.5 | 9.51 | 0.6 | 281 | AD | 1.3 | 0.9 | TOPOPAH SPRING NW |
| 26 1: 7:56 | 36.951 | 116.746 | 1.2 | 8.08 | 2.9 | 278 | BD | 1.5 | 0.8 | BARE MTN |
| 27 14: 5:58 | 36.895 | 115.620 | 0.7 | 4.49 | 2.8 | 319 | BD | --- | 1.4 | HEAVENS WELL |
| 28 7:42:11 | 36.997 | 116.215 | 0.4 | 1.44 | 1.4 | 178 | AC | 1.5 | 0.9 | MINE MTN |
| MAR 1 2:54:10 | 37.221 | 117.344 | 0.2 | 6.97 | 0.3 | 127 | AC | 1.8 | 1.5 | UBEHEBE CRATER |
| 1 12:52:44 | 36.890 | 115.978 | 1.6 | 2.71 | 2.7 | 234 | BD | --- | 0.7 | PLUTONIUM VALLEY |
| 4 4:48: 3 | 37.252 | 114.914 | 1.2 | 0.76 | 1.1 | 189 | BD | 1.9 | 1.9 | DELAMAR LAKE |
| 4 7:46:28 | 36.485 | 116.576 | 0.5 | 8.78 | 1.9 | 82 | BB | 1.4 | 1.1 | RYAN |
| 4 18:58:39 | 36.747 | 115.918 | 0.4 | 7.56 | 0.8 | 184 | AD | 0.6 | 1.0 | MERCURY |
| 4 23: 7:20 | 37.227 | 114.902 | 0.7 | 9.51 | 1.4 | 215 | AD | 2.4 | 1.1 | DELAMAR 3 NW |
| 5 9:52:21 | 36.729 | 115.651 | 0.4 | 1.78 | 1.0 | 182 | AD | 1.2 | 1.3 | INDIAN SPRINGS NW |
| 7 22:29:21 | 36.850 | 116.213 | 0.2 | 1.02* | --- | 121 | CB | --- | 0.7 | SKULL MTN |
| 8 6:42:52 | 38.285 | 117.285 | 1.3 | 7.26 | 1.2 | 244 | BD | 2.8 | 2.7 | BAXTER SPRING |
| 8 12:52:57 | 36.632 | 116.493 | 0.7 | 2.94 | 1.0 | 263 | AD | 0.9 | 0.7 | LATHROP WELLS NW |
| 10 13:31: 5 | 37.208 | 115.125 | 1.5 | 9.98 | 2.5 | 194 | BD | 1.6 | 1.3 | LOWER PAHRANAGAT LAKE NW |
| 11 18:47:26 | 37.765 | 115.982 | 0.6 | 2.96 | 3.3 | 149 | BC | --- | 1.5 | ***QUAD. NOT LISTED*** |
| 12 6:19:42 | 36.599 | 115.990 | 3.3 | 10.02 | 0.4 | 188 | AD | --- | 1.0 | MERCURY SW |
| 12 11:28: 7 | 37.758 | 115.972 | 0.4 | 5.43 | 1.0 | 147 | AC | 2.6 | --- | ***QUAD. NOT LISTED*** |
| 13 15: 4:11 | 36.633 | 116.531 | 0.9 | 13.27 | 1.2 | 249 | AD | --- | 0.7 | BIG DUNE |
| 13 20:43: 7 | 36.833 | 116.129 | 2.4 | -1.88 | 0.8 | 278 | BD | --- | -0.6 | SKULL MTN |
| 13 22:31:44 | 36.754 | 116.575 | 99.6 | 0.62* | --- | 342 | DD | --- | 1.3 | BARE MTN |
| 13 23:15:28 | 37.111 | 116.383 | 0.3 | 5.31 | 0.6 | 180 | AC | 1.2 | 1.3 | TIMBER MTN |
| 14 1:31:22 | 37.222 | 114.895 | 1.0 | 12.59 | 1.3 | 239 | AD | 2.3 | 1.8 | DELAMAR 3 NW |
| 14 11:42: 1 | 37.285 | 114.907 | 2.4 | 5.45 | 8.7 | 210 | CD | 1.7 | 2.1 | DELAMAR LAKE |
| 14 12: 6:28 | 36.728 | 116.281 | 0.2 | 2.68 | 0.2 | 185 | AB | 1.5 | 0.5 | STRIPED HILLS |
| 14 20:45:48 | 36.778 | 116.288 | 5.7 | 8.18* | --- | 272 | DD | --- | 0.8 | JACKASS FLATS |
| 16 9:43:25 | 37.017 | 117.829 | 1.1 | -0.02 | 1.0 | 236 | BD | 2.1 | 1.6 | WAUCOBA SPRING |
| 17 16:45:13 | 37.501 | 114.546 | 4.2 | 10.36 | 1.8 | 254 | CD | 1.8 | --- | CALIENTE |
| 18 15:18:42 | 37.664 | 115.034 | 0.3 | -1.14 | 0.4 | 188 | AB | --- | 1.0 | HIKO NE |
| 19 8:16: 5 | 37.288 | 117.832 | 0.7 | 10.85 | 0.9 | 144 | AC | --- | 1.3 | MAGRUDER MTN |
| 20 19: 2: 9 | 37.142 | 116.218 | 0.2 | 4.38 | 0.8 | 120 | AC | --- | 1.2 | RAINIER MESA |
| 21 14:38:57 | 37.898 | 115.067 | 1.0 | 8.07 | 3.6 | 282 | BD | --- | 1.1 | WEEPAH SPRING |
| 21 20: 4:59 | 37.871 | 117.746 | 0.4 | 9.68 | 1.3 | 122 | AB | --- | 1.9 | LIDA WASH |
| 22 9:11:39 | 37.127 | 116.276 | 0.3 | 6.36 | 1.1 | 115 | AB | 1.8 | 1.0 | AMMONIA TANKS |
| 23 3:34:15 | 37.663 | 115.848 | 0.6 | 7.99 | 1.8 | 183 | AB | --- | 0.9 | HIKO NE |
| 23 19:58: 5 | 37.249 | 116.032 | 0.5 | 2.79 | 1.0 | 166 | AC | --- | 1.1 | OAK SPRING |
| 25 16:33: 1 | 37.833 | 116.484 | 0.8 | 12.71 | 0.6 | 257 | AD | 1.1 | 0.5 | TIMBER MTN |
| 25 17:34: 4 | 37.825 | 116.487 | 0.7 | 11.84 | 0.6 | 246 | AD | --- | 0.9 | TIMBER MTN |

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## 1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| MAR 26 9:17:16 | 37.166 | 117.485 | 0.3 | 5.93 | 1.5 | 109 | AC | 2.0 | 1.5 | UBEHEBE CRATER |
| 26 19: 0: 7 | 36.731 | 118.034 | 1.0 | 35.07 | 1.1 | 310 | BD | --- | 1.0 | CAMP DESERT ROCK |
| 27 0:24:20 | 37.502 | 115.427 | 1.3 | 30.34 | 2.4 | 170 | CD | --- | 2.1 | MT IRISH |
| 28 20:32:49 | 36.877 | 117.403 | 1.2 | 1.76 | 1.8 | 198 | BD | 1.3 | 1.3 | TIN MTN |
| 30 2: 5:47 | 36.984 | 117.409 | 0.4 | 0.58 | 0.5 | 145 | AC | --- | 1.2 | TIN MTN |
| 30 8:40:24 | 37.926 | 115.755 | 0.8 | 4.83 | 0.4 | 193 | CD | 2.0 | --- | WHITE BLOTCH SPRINGS |
| 30 12:54: 8 | 36.740 | 116.302 | 0.2 | 0.07 | 0.2 | 100 | AB | --- | 0.2 | STRIPED HILLS |
| 30 14: 9: 8 | 36.092 | 116.129 | 1.0 | 3.02 | 4.5 | 266 | BD | --- | 1.1 | SPECTER RANGE NW |
| 30 18:20:43 | 36.300 | 115.827 | 0.2 | 10.14 | 0.9 | 123 | AC | --- | 1.0 | MT STIRLING |
| 31 10:11:54 | 36.652 | 116.150 | 1.2 | 2.70 | 3.4 | 269 | BD | 1.5 | 1.0 | SPECTER RANGE NW |
| APR 1 5:35:15 | 36.781 | 116.270 | 0.3 | 0.90 | 0.6 | 135 | AB | 1.3 | 1.0 | JACKASS FLATS |
| 2 3:42:33 | 37.070 | 115.046 | 0.4 | 2.12 | 1.1 | 110 | AB | 1.5 | 0.9 | HIKO NE |
| 2 10:31:21 | 36.025 | 116.090 | 0.3 | -0.49 | 0.5 | 111 | AC | 1.4 | 1.3 | CAMP DESERT ROCK |
| 3 0:34:55 | 37.315 | 116.407 | 0.6 | 2.04 | 1.6 | 103 | AC | 1.7 | 1.0 | SILENT BUTTE |
| 3 12: 5:25 | 37.005 | 115.052 | 0.4 | 4.44 | 1.7 | 111 | AC | 2.0 | 1.7 | HIKO NE |
| 4 20:20:50 | 36.028 | 116.086 | 0.2 | 6.49 | 1.2 | 111 | AB | 2.1 | 2.0 | CAMP DESERT ROCK |
| 4 20:25:24 | 36.027 | 116.084 | 0.3 | 7.05 | 1.0 | 112 | AB | 1.1 | 1.4 | CAMP DESERT ROCK |
| 4 20:41:21 | 36.028 | 116.086 | 0.3 | 7.53 | 0.9 | 111 | AB | 1.2 | 1.4 | CAMP DESERT ROCK |
| 4 21:10:50 | 36.022 | 116.090 | 0.5 | 1.56* | --- | 120 | CC | --- | 0.8 | SPECTER RANGE SE |
| 4 23:36:50 | 36.029 | 116.084 | 0.4 | 6.83 | 1.3 | 113 | AB | --- | 0.9 | CAMP DESERT ROCK |
| 5 0:37:46 | 36.028 | 116.085 | 0.3 | 7.11 | 1.1 | 113 | AB | --- | 1.1 | CAMP DESERT ROCK |
| 5 2:57: 6 | 36.085 | 116.160 | 0.6 | 8.42 | 0.7 | 119 | AB | 1.2 | 0.9 | MINE MTN |
| 5 3:29:17 | 36.753 | 115.910 | 0.2 | 10.07 | 0.[illegible] | 169 | AC | 1.5 | 1.5 | FRENCHMAN FLAT |
| 5 5:17: 4 | 36.944 | 116.210 | 0.2 | 9.20 | 0.4 | 105 | AB | 1.2 | 1.[illegible] | MINE MTN |
| 5 6:20:21 | 36.026 | 116.085 | 0.2 | 6.59 | 0.9 | 111 | AB | 1.3 | 1.1 | CAMP DESERT ROCK |
| 5 8: 3:10 | 36.027 | 116.091 | 0.4 | 6.72 | 1.4 | 90 | BB | 1.3 | 1.2 | CAMP DESERT ROCK |
| 5 17: 5:41 | 36.027 | 116.086 | 0.3 | 5.84 | 1.4 | 114 | AC | --- | 1.0 | CAMP DESERT ROCK |
| 5 18:32:42 | 36.030 | 116.085 | 0.3 | 7.29 | 1.4 | 110 | AB | 1.6 | 1.2 | CAMP DESERT ROCK |
| 5 18:47:20 | 37.559 | 117.163 | 0.4 | 7.02 | 2.2 | 125 | BC | 1.7 | 1.0 | GOLDFIELD |
| 5 18:59:36 | 36.039 | 116.107 | 1.2 | 0.49 | 1.0 | 285 | BD | 2.2 | --- | CAMP DESERT ROCK |
| 5 21:46:34 | 36.028 | 116.089 | 0.3 | 4.07 | 1.5 | 110 | AC | 1.3 | 1.0 | CAMP DESERT ROCK |
| 6 1:37: 7 | 36.760 | 115.915 | 0.4 | 7.93 | 1.0 | 139 | AC | --- | 0.9 | FRENCHMAN FLAT |
| 6 6:39:46 | 36.025 | 116.089 | 0.6 | 5.00 | 2.6 | 122 | BC | --- | 0.7 | CAMP DESERT ROCK |
| 6 7: 7:39 | 36.757 | 115.919 | 0.7 | 9.26 | 1.2 | 190 | AD | --- | 0.9 | FRENCHMAN FLAT |
| 6 19: 9:54 | 36.023 | 116.089 | 0.4 | 6.02 | 1.7 | 114 | AB | --- | 1.1 | SPECTER RANGE SE |
| 6 12:16:57 | 36.703 | 116.004 | 0.2 | 6.38 | 0.9 | 91 | AB | 1.7 | 1.7 | CAMP DESERT ROCK |
| 6 12:35:25 | 36.024 | 116.088 | 0.2 | 7.16 | 0.7 | 114 | AB | --- | 0.7 | SPECTER RANGE SE |
| 6 18:57:10 | 36.984 | 116.399 | 0.3 | 0.74 | 0.4 | 152 | AC | --- | 0.3 | TOPOPAH SPRING NW |
| 6 19:42:19 | 37.705 | 115.033 | 0.3 | 2.49 | 0.7 | 122 | AC | 2.5 | 1.0 | HIKO NE |
| 7 9:11:11 | 37.001 | 115.966 | 1.1 | 4.05 | 2.7 | 224 | BD | --- | 1.1 | PAIUTE RIDGE |
| 7 9:25:11 | 37.205 | 116.197 | 0.6 | 3.74 | 3.7 | 169 | BC | 1.5 | 1.0 | RAINIER MESA |
| 7 17:23: 2 | 36.753 | 115.911 | 0.2 | 10.10 | 0.3 | 137 | AC | 1.3 | 1.0 | FRENCHMAN FLAT |
| 7 17:31:44 | 36.755 | 115.909 | 0.3 | 10.74 | 0.0 | 101 | AC | --- | 0.9 | FRENCHMAN FLAT |
| 8 0:53:53 | 37.232 | 114.921 | 1.1 | 10.88 | 2.0 | 232 | BD | --- | 1.4 | DELAMAR 3 NW |
| 8 21:1[illegible]: 7 | 36.027 | 116.083 | 0.4 | 7.03 | 1.1 | 115 | AB | --- | 0.9 | CAMP DESERT ROCK |
| 9 14:32:42 | 36.354 | 117.479 | 0.6 | 4.09 | 5.5 | 241 | CD | --- | 1.4 | PAHAMINT BUTTE |
| 10 1:20:39 | 36.028 | 116.085 | 0.3 | 7.11 | 0.9 | 113 | AB | 1.5 | 1.2 | CAMP DESERT ROCK |
| 11 0:37:59 | 36.739 | 116.129 | 0.2 | 0.40 | 0.2 | 135 | AC | --- | 0.0 | SPECTER RANGE NW |
| 11 4: 1:43 | 37.102 | 115.973 | 1.0 | 4.03 | 1.7 | 102 | BD | --- | 0.9 | JANGLE RIDGE |
| 11 15:46:11 | 36.010 | 116.136 | 1.0 | 2.02 | 1.4 | 230 | BD | --- | 1.4 | STEWART VALLEY |
| 11 18:42:19 | 36.747 | 116.040 | 0.5 | 4.26 | 0.0 | 156 | AC | --- | 0.4 | BIG DUNE |
| 12 20:20:50 | 36.000 | 115.014 | 0.3 | 5.03 | 3.4 | 81 | BC | 2.2 | 1.4 | HEAVENS WELL |
| 12 22:24:17 | 36.753 | 115.921 | 0.3 | 6.00 | 0.0 | 133 | AB | --- | 0.7 | FRENCHMAN FLAT |
| 13 11: 2:23 | 36.410 | 116.990 | 0.4 | 11.74 | 0.7 | 90 | AB | --- | 1.0 | FURNACE CREEK |
| 14 4:10:55 | 37.002 | 115.030 | 0.7 | 1.79 | 2.0 | 110 | BB | --- | 0.7 | HIKO NE |
| 14 0: 0: 1 | 36.947 | 117.371 | 0.7 | 4.91 | 1.5 | 191 | AD | --- | 0.7 | TIN MTN |
| 14 13:10:21 | 36.001 | 117.547 | 0.0 | 10.75 | 1.4 | 195 | AD | --- | 1.2 | DRY MTN |
| 14 20: 4:15 | 36.757 | 116.204 | 0.3 | 4.01 | 0.4 | 164 | AC | --- | 0.1 | JACKASS FLATS |
| 14 22:20:12 | 36.031 | 115.030 | 0.6 | 0.69 | 1.7 | 295 | AD | --- | 0.9 | FRENCHMAN FLAT |
| 15 0:45:29 | 36.020 | 116.091 | 0.2 | 5.50 | 1.0 | 115 | AC | --- | 0.0 | SPECTER RANGE SE |
| 15 0:42: 5 | 36.050 | 116.233 | 0.4 | 4.30 | 0.0 | 207 | AD | --- | 0.0 | SPECTER RANGE NW |
| 16 1:53:31 | 36.029 | 116.002 | 0.0 | 7.23 | 2.1 | 126 | BB | --- | 0.5 | CAMP DESERT ROCK |
| 16 6:49:57 | 37.310 | 115.224 | 0.0 | 11.20 | 2.0 | 111 | BB | --- | 1.3 | ALAMO |
| 16 8:21: 0 | 37.309 | 115.210 | 0.0 | 7.27 | 2.4 | 110 | BC | --- | 1.4 | ALAMO |
| 16 13:37:12 | 37.174 | 116.311 | 0.2 | 3.95 | 0.5 | 91 | AB | 1.0 | 1.9 | AMMONIA TANKS |
| 17 10:10:22 | 36.707 | 116.200 | 0.4 | 1.70 | 1.1 | 122 | AB | --- | 0.5 | JACKASS FLATS |

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1985 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APR 17 | 11: 3:16 | 36.858 | 116.408 | 0.3 | 5.30 | 0.4 | 182 | AB | 0.4 | -0.2 | TOPOPAH SPRING SW |
| 17 | 14:30:35 | 37.172 | 116.321 | 0.2 | 2.96 | 0.3 | 83 | AB | 1.4 | 1.3 | AMMONIA TANKS |
| 17 | 18:40:52 | 36.964 | 116.029 | 2.1 | 3.75* | --- | 298 | CD | --- | 1.1 | YUCCA LAKE |
| 17 | 23:42:13 | 37.118 | 117.417 | 0.3 | 1.74 | 0.9 | 124 | AC | 1.5 | 1.4 | UBEHEBE CRATER |
| 18 | 0: 1:49 | 37.794 | 115.838 | 0.5 | 9.59 | 0.8 | 144 | AC | --- | 1.4 | ***QUAD. NOT LISTED*** |
| 18 | 11:38:52 | 37.235 | 114.898 | 1.0 | 2.00 | 3.7 | 230 | BD | 1.9 | --- | DELAMAR 3 NW |
| 18 | 12:49: 0 | 37.257 | 114.938 | 4.8 | 14.07 | 0.8 | 222 | CD | --- | 0.2 | DELAMAR LAKE |
| 18 | 17:51:25 | 37.884 | 117.269 | 1.6 | 4.07 | 0.9 | 145 | CD | --- | 1.1 | UBEHEBE CRATER |
| 18 | 22:21:59 | 36.768 | 116.218 | 0.4 | -0.49 | 0.3 | 224 | AD | --- | 0.6 | SPECTER RANGE NW |
| 18 | 23:26: 2 | 37.294 | 117.031 | 0.4 | 10.78 | 1.0 | 78 | AB | --- | 1.3 | MAGRUDER MTN |
| 19 | 7: 7: 8 | 37.233 | 114.899 | 1.0 | 8.83 | 4.3 | 235 | BD | 2.1 | 1.9 | DELAMAR 3 NW |
| 19 | 11:49:13 | 37.491 | 116.690 | 0.1 | 1.88 | 0.4 | 183 | AC | --- | 1.1 | BLACK MTN NW |
| 20 | 6:24: 1 | 37.242 | 114.814 | 0.4 | 0.87 | 0.4 | 188 | AD | 2.0 | 1.5 | DELAMAR 3 NW |
| 21 | 4: 3:57 | 37.434 | 117.227 | 0.4 | 12.99 | 1.0 | 130 | AB | --- | 1.7 | STONEWALL PASS |
| 21 | 12:42:35 | 37.248 | 115.423 | 0.9 | 1.54 | 1.9 | 151 | AC | --- | 1.5 | DESERT HILLS NW |
| 21 | 16:46:20 | 36.886 | 115.889 | 0.6 | 9.69 | 0.8 | 218 | AD | --- | 1.1 | FRENCHMAN LAKE SE |
| 21 | 20: 6:14 | 37.113 | 114.894 | 4.8 | 14.34 | 8.1 | 201 | CD | --- | 1.3 | DELAMAR 3 SW |
| 23 | 6:56: 4 | 37.142 | 117.858 | 0.4 | 11.31 | 1.9 | 112 | AB | --- | 1.0 | BONNIE CLAIRE |
| 23 | 23: 1:58 | 36.772 | 116.247 | 0.3 | 8.37 | 0.3 | 172 | AC | 1.3 | 0.9 | SKULL MTN |
| 24 | 0: 2:23 | 37.402 | 115.811 | 0.5 | 7.81 | 3.7 | 97 | BC | 1.7 | 1.7 | GROOM RANGE NE |
| 24 | 19:34:14 | 37.404 | 115.528 | 0.5 | 13.54 | 1.8 | 119 | AD | --- | 1.3 | GROOM RANGE NE |
| 25 | 0:45:11 | 36.947 | 117.755 | 1.1 | 7.00** | 5.9 | 2[illegible]1 | BD | --- | 1.4 | WAUCOBA WASH |
| 26 | 4: 3:15 | 37.485 | 118.025 | 4.8 | 13.87 | 0.6 | 264 | CD | 3.0 | --- | ***REGIONAL*** |
| 27 | 4:21:33 | 36.760 | 116.922 | 0.5 | 5.08 | 2.2 | 136 | BC | 1.5 | 1.3 | FRENCHMAN FLAT |
| 27 | 19:24:24 | 36.524 | 116.596 | 0.2 | 10.04 | 1.3 | 118 | AB | 2.0 | 1.9 | BIG DUNE |
| 28 | 20:21:34 | 36.696 | 116.125 | 0.7 | 7.40 | 2.6 | 188 | BD | --- | 0.5 | SPECTER RANGE NW |
| 29 | 1:46:49 | 37.298 | 115.170 | 0.5 | 8.10 | 1.2 | 138 | AC | --- | 1.5 | ALAMO |
| 30 | 12:11:51 | 36.539 | 116.056 | 2.0 | 1.09 | 3.2 | 311 | BD | --- | 1.5 | SPECTER RANGE SE |
| MAY 2 | 3:25:11 | 37.675 | 115.041 | 0.5 | 2.08 | 1.2 | 111 | AB | 1.5 | 1.2 | HIKO NE |
| 2 | 14:31:41 | 36.714 | 116.232 | 0.3 | 4.10 | 0.7 | 139 | AC | --- | 0.6 | SPECTER RANGE NW |
| 3 | 11:24:41 | 36.951 | 116.455 | 1.2 | 11.71 | 1.2 | 182 | BD | --- | 0.5 | TOPOPAH SPRING NW |
| 3 | 14:13:49 | 37.089 | 116.448 | 0.4 | 11.61 | 0.3 | 221 | AD | --- | 0.3 | TIMBER MTN |
| 3 | 14:17:17 | 36.999 | 116.439 | 0.2 | 9.50 | 0.4 | 85 | AA | 1.8 | 1.4 | TOPOPAH SPRING NW |
| 3 | 14:40:22 | 36.997 | 116.438 | 0.5 | 10.04 | 0.5 | 282 | AD | --- | 0.2 | TOPOPAH SPRING NW |
| 4 | 3:22:45 | 37.481 | 118.094 | 9.0 | 6.78 | 3.2 | 307 | DD | 3.3 | --- | ***REGIONAL*** |
| 6 | 4:59:4[illegible] | 37.310 | 117.328 | 0.5 | 7.02 | 0.8 | 145 | AC | --- | 1.3 | GOLD POINT |
| 6 | 8: 3: 4 | 37.307 | 117.322 | 0.6 | 8.16 | 0.9 | 144 | AC | --- | 1.4 | GOLD POINT |
| 7 | 20: 6:10 | 36.884 | 116.048 | 0.2 | 9.97 | 0.5 | 68 | AA | 2.7 | --- | SPECTER RANGE SE |
| 7 | 20:28: 4 | 36.885 | 116.049 | 0.3 | 8.51 | 1.0 | 130 | AB | 1.7 | 1.2 | SPECTER RANGE SE |
| 7 | 20:52:45 | 36.882 | 116.047 | 0.2 | 9.52 | 0.6 | 131 | AB | 1.3 | 1.4 | SPECTER RANGE SE |
| 7 | 20:53:19 | 36.884 | 116.050 | 0.1 | 8.98 | 0.5 | 129 | AB | 1.1 | 1.5 | SPECTER RANGE SE |
| 7 | 21: 5:18 | 36.888 | 116.047 | 0.2 | 9.42 | 0.5 | 132 | AB | --- | 1.1 | SPECTER RANGE SE |
| 7 | 21: 6: 8 | 36.887 | 116.047 | 0.2 | 5.58 | 2.0 | 129 | BB | 2.3 | --- | SPECTER RANGE SE |
| 7 | 21: 8:23 | 36.884 | 116.050 | 0.2 | 8.61 | 0.6 | 67 | AB | 1.9 | 1.8 | SPECTER RANGE SE |
| 7 | 21: 9.51 | 36.883 | 116.048 | 0.2 | 9.23 | 0.7 | 130 | AB | 2.1 | 2.7 | SPECTER RANGE SE |
| 7 | 21:11:37 | 36.882 | 116.048 | 0.2 | 9.11 | 0.6 | 131 | AB | 1.8 | 1.1 | SPECTER RANGE SE |
| 7 | 21:14:31 | 36.598 | 116.048 | 0.3 | 9.33 | 0.6 | 148 | AC | --- | 1.1 | SPECTER RANGE SE |
| 7 | 21:19:43 | 36.885 | 116.047 | 0.3 | 9.25 | 1.0 | 138 | AB | 2.2 | --- | SPECTER RANGE SE |
| 7 | 22:33:23 | 36.886 | 116.046 | 0.2 | 8.38 | 1.0 | 138 | AB | 2.2 | --- | SPECTER RANGE SE |
| 7 | 22:43:19 | 36.888 | 116.045 | 0.2 | 9.78 | 0.9 | 132 | AC | 1.4 | 1.3 | SPECTER RANGE SE |
| 7 | 22:53:29 | 36.881 | 116.048 | 0.2 | 9.76 | 0.8 | 132 | AB | 1.3 | 1.6 | SPECTER RANGE SE |
| 7 | 22:53:38 | 36.883 | 116.048 | 0.2 | 9.43 | 0.5 | 138 | AB | --- | 1.4 | SPECTER RANGE SE |
| 7 | 23:49:29 | 36.598 | 116.044 | 0.4 | 10.78 | 0.8 | 152 | AC | --- | 1.2 | SPECTER RANGE SE |
| 8 | 8:15:17 | 36.598 | 116.052 | 0.2 | 9.09 | 0.5 | 146 | AC | --- | 1.0 | SPECTER RANGE SE |
| 8 | 8:31:42 | 37.426 | 116.092 | 0.3 | 7.00** | 2.2 | 53 | BA | 1.7 | 1.9 | WHEELBARROW PEAK NE |
| 8 | 9:21: 8 | 36.600 | 116.045 | 0.2 | 9.77 | 0.5 | 149 | AC | 1.8 | 1.4 | SPECTER RANGE SE |
| 8 | 10:19:48 | 36.597 | 116.045 | 0.2 | 10.06 | 0.8 | 134 | AB | 1.1 | 1.5 | SPECTER RANGE SE |
| 8 | 11: 1:18 | 36.599 | 116.049 | 0.2 | 8.89 | 0.5 | 132 | AB | 1.8 | 1.4 | SPECTER RANGE SE |
| 8 | 20:49:47 | 37.366 | 115.214 | 0.3 | 8.25 | 0.5 | 181 | AC | 1.9 | 2.2 | ALAMO |
| 8 | 20:55: 1 | 37.367 | 115.207 | 0.4 | 2.72 | 2.7 | 128 | BC | --- | 1.3 | ALAMO |
| 8 | 22:44:14 | 37.173 | 116.319 | 1.0 | 3.84 | 1.9 | 158 | AC | --- | 1.8 | AMMONIA TANKS |
| 8 | 22:45:41 | 36.882 | 116.048 | 0.2 | 8.38 | 0.6 | 131 | AB | 1.8 | 1.5 | SPECTER RANGE SE |
| 9 | 18: 3:46 | 36.881 | 116.048 | 0.2 | 6.96 | 0.8 | 131 | AB | --- | 1.3 | SPECTER RANGE SE |
| 10 | 18:25:00 | 36.885 | 116.048 | 0.2 | 10.25 | 0.4 | 131 | AB | 2.1 | --- | SPECTER RANGE SE |
| 11 | 5:58: 8 | 37.205 | 117.882 | 0.8 | 8.18 | 1.9 | 154 | AC | --- | 1.2 | LAST CHANCE RANGE |
| 11 | 15:56: 1 | 36.632 | 117.128 | 0.3 | 5.86 | 1.4 | 108 | AC | --- | 1.8 | STOVEPIPE WELLS |

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1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| MAY 12 11:12:45 | 36.615 | 116.452 | 0.3 | 6.19 | 0.7 | 274 | AD | --- | 0.7 | LATHROP WELLS SW |
| 13 10:37:53 | 36.600 | 116.054 | 0.2 | 9.09 | 0.5 | 129 | AB | --- | 1.1 | SPECTER RANGE SE |
| 13 13:45:28 | 36.601 | 116.052 | 0.1 | 7.66 | 0.4 | 130 | AB | --- | 1.3 | SPECTER RANGE SE |
| 13 16:49:36 | 37.677 | 115.855 | 0.4 | 1.99 | 1.1 | 187 | AC | --- | 1.1 | MIKO NE |
| 13 16:58:47 | 37.683 | 115.868 | 0.3 | 1.48 | 1.2 | 166 | AC | --- | 1.1 | MIKO NE |
| 14 14:27:29 | 36.599 | 116.049 | 0.2 | 9.23 | 0.4 | 131 | AB | --- | 1.0 | SPECTER RANGE SE |
| 14 14:38:53 | 36.602 | 116.052 | 0.5 | 3.46 | 4.5 | 144 | BC | --- | 0.7 | SPECTER RANGE SE |
| 15 0:10: 9 | 36.601 | 116.049 | 0.2 | 9.51 | 0.4 | 131 | AB | --- | 1.4 | SPECTER RANGE SE |
| 15 5:30: 8 | 37.081 | 116.100 | 0.2 | 4.40 | 1.1 | 187 | AB | --- | 1.0 | TIPPIPAH SPRING |
| 15 5:43:37 | 37.284 | 117.891 | 0.3 | 3.65 | 1.2 | 86 | AB | --- | 1.1 | MAGRUDER MTN |
| 15 7: 0: 5 | 36.840 | 116.261 | 0.7 | 4.37 | 0.6 | 281 | AD | --- | 1.0 | STRIPED HILLS |
| 15 7:27:10 | 36.614 | 116.270 | 0.1 | 3.79 | 0.6 | 83 | AB | 1.6 | 1.3 | LATHROP WELLS SE |
| 15 10:29:14 | 37.455 | 115.309 | 0.4 | 0.46 | 1.0 | 73 | AC | 2.3 | --- | HANCOCK SUMMIT |
| 15 11:14: 9 | 37.455 | 115.308 | 0.4 | 6.85 | 3.0 | 84 | BC | 2.4 | --- | HANCOCK SUMMIT |
| 15 12:17: 1 | 37.455 | 115.291 | 1.1 | 13.69 | 2.1 | 240 | BD | --- | 1.4 | HANCOCK SUMMIT |
| 15 12:57: 3 | 37.483 | 115.298 | 0.7 | 9.97 | 2.0 | 202 | AD | --- | 0.2 | HANCOCK SUMMIT |
| 15 13: 7:39 | 37.277 | 117.560 | 0.4 | 6.80 | 0.7 | 84 | AB | --- | 1.2 | MAGRUDER MTN |
| 15 13:16: 8 | 36.399 | 116.055 | 0.2 | 7.96 | 0.5 | 144 | AC | --- | 1.1 | SPECTER RANGE SE |
| 15 13:23: 6 | 37.289 | 117.591 | 0.5 | 4.67 | 1.4 | 88 | AB | --- | 1.1 | MAGRUDER MTN |
| 15 13:55:56 | 37.455 | 115.315 | 0.4 | 5.12 | 5.0 | 85 | BC | --- | 1.0 | HANCOCK SUMMIT |
| 15 14:34: 8 | 37.270 | 117.595 | 0.3 | 8.25 | 0.8 | 87 | AA | 1.9 | 1.6 | MAGRUDER MTN |
| 15 19:32:38 | 37.456 | 115.312 | 0.2 | 4.22 | 4.8 | 88 | BC | --- | 1.5 | HANCOCK SUMMIT |
| 16 1:17:23 | 36.645 | 116.202 | 0.9 | -0.53 | 4.6 | 261 | AD | --- | 0.8 | STRIPED HILLS |
| 16 3:34:56 | 37.133 | 117.513 | 0.3 | 4.37 | 3.0 | 147 | BC | --- | 1.1 | LAST CHANCE RANGE |
| 16 5:48: 1 | 37.453 | 115.311 | 0.2 | 8.17 | 1.0 | 116 | AC | --- | 1.4 | HANCOCK SUMMIT |
| 16 9:28: 5 | 37.103 | 116.987 | 0.2 | 7.49 | 1.0 | 104 | AB | 1.2 | 1.1 | SPRINGDALE |
| 16 10:51:59 | 36.616 | 116.265 | 0.4 | 4.17 | 0.6 | 199 | AD | 1.3 | 0.7 | LATHROP WELLS SE |
| 16 15:22:50 | 37.274 | 117.591 | 0.3 | 6.83 | 0.5 | 72 | AA | 1.4 | 1.7 | MAGRUDER MTN |
| 16 15:23:44 | 37.278 | 117.592 | 0.2 | 5.04 | 0.6 | 75 | AB | --- | 1.5 | MAGRUDER MTN |
| 16 16:11:44 | 36.789 | 115.924 | 0.2 | 3.82 | 2.0 | 173 | BC | 1.3 | 0.9 | FRENCHMAN FLAT |
| 17 3:38: 8 | 36.478 | 116.571 | 0.3 | 8.28 | 1.2 | 116 | AB | 1.7 | 1.5 | RYAN |
| 17 4: 7:56 | 37.648 | 116.084 | 0.2 | 4.51 | 2.1 | 73 | BC | 1.8 | 1.6 | BELTED PEAK |
| 17 4:11:33 | 37.650 | 116.083 | 0.2 | 9.95 | 0.3 | 117 | AC | --- | 1.7 | BELTED PEAK |
| 17 22:30:14 | 36.599 | 116.048 | 0.3 | 5.01 | 1.2 | 148 | AC | --- | 0.9 | SPECTER RANGE SE |
| 18 1: 7:31 | 37.462 | 115.311 | 0.2 | 7.05 | 1.0 | 84 | AC | 1.8 | 1.7 | HANCOCK SUMMIT |
| 19 0:36:11 | 36.854 | 116.228 | 0.3 | 10.08 | 0.4 | 108 | AB | --- | 1.0 | SKULL MTN |
| 19 0:33:51 | 36.851 | 116.231 | 0.3 | 9.24 | 0.5 | 111 | AB | --- | 1.0 | SKULL MTN |
| 19 0:45:36 | 36.575 | 117.434 | 0.4 | 4.81 | 1.5 | 218 | AD | --- | 1.6 | MARBLE CANYON |
| 19 1: 2:29 | 36.851 | 116.240 | 0.3 | 8.13 | 0.5 | 107 | AB | --- | 0.4 | SKULL MTN |
| 19 11:15:25 | 36.888 | 116.891 | 0.2 | 2.57 | 0.7 | 95 | AC | 1.5 | 1.0 | BARE MTN |
| 19 17:45: 7 | 37.018 | 116.469 | 0.3 | 9.26 | 0.3 | 229 | AD | --- | 0.5 | TIMBER MTN |
| 19 17:47:32 | 37.024 | 116.471 | 0.2 | 9.09 | 0.3 | 233 | AD | 1.3 | 0.6 | TIMBER MTN |
| 19 18: 0:20 | 37.024 | 116.484 | 0.2 | 10.34 | 0.4 | 25 | AA | 2.4 | --- | TIMBER MTN |
| 19 18: 7:35 | 37.024 | 116.467 | 0.2 | 10.04 | 0.3 | 195 | AD | 1.7 | 1.7 | TIMBER MTN |
| 19 18: 8:40 | 37.028 | 116.472 | 0.5 | 9.75 | 0.4 | 250 | AD | --- | 0.5 | TIMBER MTN |
| 19 18: 8:43 | 37.022 | 116.467 | 0.2 | 9.52 | 0.3 | 194 | AD | 1.6 | 1.6 | TIMBER MTN |
| 19 18:12:27 | 37.025 | 116.468 | 0.2 | 10.18 | 0.3 | 195 | AD | --- | 0.9 | TIMBER MTN |
| 19 18:12:42 | 37.022 | 116.471 | 0.3 | 10.58 | 0.3 | 196 | AD | 1.0 | 1.2 | TIMBER MTN |
| 19 18:13:34 | 37.022 | 116.465 | 0.3 | 10.04 | 0.3 | 193 | AD | 1.5 | 1.9 | TIMBER MTN |
| 19 18:17: 1 | 37.023 | 116.469 | 0.2 | 9.53 | 0.5 | 92 | AB | 1.6 | 1.0 | TIMBER MTN |
| 19 18:20:44 | 37.018 | 116.459 | 0.4 | 8.87 | 0.4 | 190 | AD | --- | 1.5 | TIMBER MTN |
| 19 18:33:33 | 37.020 | 116.463 | 0.5 | 10.85 | 0.7 | 134 | AB | --- | 0.6 | TIMBER MTN |
| 19 18:39:34 | 37.023 | 116.474 | 0.3 | 10.05 | 0.5 | 198 | AD | 1.8 | --- | TIMBER MTN |
| 19 18:41:39 | 37.022 | 116.467 | 0.2 | 10.04 | 0.3 | 194 | AD | --- | 1.5 | TIMBER MTN |
| 19 18:45: 7 | 37.032 | 116.473 | 0.3 | 10.37 | 0.4 | 253 | AD | --- | 0.6 | TIMBER MTN |
| 19 18:51:21 | 37.026 | 116.478 | 0.5 | 9.56 | 0.6 | 248 | AD | --- | 0.6 | TIMBER MTN |
| 19 18:54:20 | 37.019 | 116.467 | 0.9 | 10.48 | 0.9 | 240 | AD | --- | 0.5 | TIMBER MTN |
| 19 18:59:44 | 37.024 | 116.471 | 0.2 | 9.02 | 0.3 | 196 | AD | --- | 0.9 | TIMBER MTN |
| 19 19: 0:19 | 37.020 | 116.468 | 0.3 | 10.43 | 0.3 | 194 | AD | --- | 1.8 | TIMBER MTN |
| 19 19: 1:48 | 37.023 | 116.472 | 0.2 | 8.36 | 0.5 | 93 | AB | 1.3 | 0.9 | TIMBER MTN |
| 19 19: 5:19 | 37.023 | 116.474 | 0.3 | 10.34 | 0.3 | 197 | AD | 1.5 | 0.8 | TIMBER MTN |
| 19 19:13:27 | 37.023 | 116.475 | 0.3 | 9.05 | 0.5 | 190 | AD | 2.0 | --- | TIMBER MTN |
| 19 19:17: 6 | 37.024 | 116.476 | 0.2 | 9.53 | 0.2 | 198 | AD | 1.2 | 0.7 | TIMBER MTN |
| 19 19:20:10 | 37.022 | 116.468 | 0.3 | 10.30 | 0.4 | 194 | AD | --- | 0.9 | TIMBER MTN |
| 19 19:39:21 | 37.030 | 116.475 | 0.4 | 11.23 | 0.3 | 253 | AD | --- | 0.7 | TIMBER MTN |
| 19 19:40:28 | 37.023 | 116.474 | 0.2 | 10.14 | 0.4 | 184 | AD | 1.2 | 0.6 | TIMBER MTN |

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1985 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 19 | 20: 1: 5 | 37.021 | 116.464 | 0.4 | 10.50 | 0.5 | 241 | AD | --- | 0.5 | TIMBER MTN |
| 19 | 20: 2:28 | 37.022 | 116.469 | 0.3 | 10.11 | 0.3 | 195 | AD | 1.5 | 1.2 | TIMBER MTN |
| 19 | 20:17:24 | 37.022 | 116.466 | 0.3 | 10.41 | 0.3 | 195 | AD | --- | 1.4 | TIMBER MTN |
| 19 | 20:27: 5 | 37.020 | 116.473 | 0.7 | 9.66 | 0.6 | 243 | AD | --- | 0.5 | TIMBER MTN |
| 19 | 21: 0:50 | 37.022 | 116.468 | 0.2 | 10.34 | 0.3 | 195 | AD | 1.8 | 1.5 | TIMBER MTN |
| 20 | 14:39:47 | 37.453 | 115.324 | 0.7 | 1.21 | 2.0 | 211 | BD | --- | 0.2 | HANCOCK SUMMIT |
| 20 | 15:16: 9 | 37.020 | 116.470 | 0.4 | 10.17 | 0.5 | 247 | AD | --- | 0.5 | TIMBER MTN |
| 20 | 22:59:33 | 37.025 | 116.477 | 0.5 | 10.01 | 0.5 | 249 | AD | --- | 0.4 | TIMBER MTN |
| 21 | 0:42:21 | 36.885 | 116.288 | 0.5 | 5.22 | 0.4 | 213 | AD | --- | 0.7 | STRIPED HILLS |
| 21 | 18: 0:30 | 37.451 | 115.314 | 0.2 | 4.59 | 4.0 | 116 | BC | --- | 1.1 | HANCOCK SUMMIT |
| 21 | 19:33: 3 | 37.454 | 115.317 | 0.2 | 2.77 | 1.0 | 93 | AC | --- | 1.2 | HANCOCK SUMMIT |
| 21 | 21:28:59 | 37.022 | 116.467 | 0.4 | 10.09 | 0.3 | 242 | AD | 1.3 | 0.8 | TIMBER MTN |
| 22 | 16:45:13 | 37.451 | 115.314 | 0.2 | 5.04 | 3.3 | 86 | BC | 1.7 | 1.8 | HANCOCK SUMMIT |
| 22 | 22: 4:51 | 37.022 | 116.470 | 0.3 | 10.30 | 0.3 | 195 | AD | 1.3 | 1.2 | TIMBER MTN |
| 23 | 2:52: 5 | 36.815 | 116.287 | 0.2 | 4.98 | 0.6 | 81 | AB | --- | 1.0 | LATHROP WELLS SE |
| 23 | 7:22:35 | 36.816 | 116.281 | 0.3 | 2.10 | 0.6 | 120 | AB | --- | 1.1 | LATHROP WELLS SE |
| 23 | 7:23: 4 | 36.814 | 116.270 | 0.1 | 5.13 | 0.5 | 83 | AB | 1.5 | 1.1 | LATHROP WELLS SE |
| 23 | 9:30:19 | 36.787 | 116.298 | 0.4 | 4.23 | 0.6 | 164 | AC | 1.1 | 0.5 | JACKASS FLATS |
| 23 | 17:54:17 | 37.495 | 115.459 | 0.2 | 13.82 | 0.8 | 93 | AB | --- | 1.2 | CRESCENT RESERVOIR |
| 23 | 18:55:53 | 36.681 | 116.050 | 0.2 | 9.58 | 0.4 | 131 | AB | --- | 1.0 | SPECTER RANGE SE |
| 23 | 22: 5:19 | 37.354 | 114.696 | 0.5 | 2.71 | 2.0 | 211 | BD | 1.6 | 1.7 | ELGIN SW |
| 24 | 1:57:48 | 36.354 | 116.884 | 0.3 | 8.39 | 1.2 | 98 | AB | 1.2 | 1.3 | FURNACE CREEK |
| 24 | 2:38:49 | 37.021 | 116.467 | 0.3 | 9.66 | 0.5 | 194 | AD | 2.1 | 1.2 | TIMBER MTN |
| 24 | 20:39:53 | 37.388 | 115.328 | 0.3 | 2.66 | 1.8 | 158 | AC | --- | 1.0 | HANCOCK SUMMIT |
| 25 | 5:34:14 | 37.098 | 115.778 | 1.0 | 13.59 | 1.7 | 231 | AD | --- | 1.0 | PAPOOSE LAKE SE |
| 25 | 15:21:58 | 36.821 | 115.936 | 0.4 | 5.20 | 2.3 | 182 | BD | 1.2 | 0.7 | FRENCHMAN FLAT |
| 25 | 22:28: 3 | 37.198 | 114.925 | 1.0 | 2.75 | 5.5 | 243 | CD | 2.1 | --- | DELAMAR 3 NW |
| 26 | 21:49:37 | 37.232 | 114.918 | 0.7 | 5.65 | 2.7 | 234 | BD | --- | 1.5 | DELAMAR 3 NW |
| 26 | 21:51:18 | 37.027 | 116.472 | 0.4 | 10.85 | 0.3 | 249 | AD | --- | 1.1 | TIMBER MTN |
| 27 | 2: 6: 5 | 37.028 | 116.480 | 0.2 | 7.29 | 0.8 | 95 | AB | 1.2 | 0.5 | TIMBER MTN |
| 27 | 4:37:49 | 37.311 | 114.900 | 0.8 | 5.37 | 3.4 | 214 | BD | --- | 1.0 | DELAMAR LAKE |
| 27 | 18: 5: 9 | 36.684 | 116.324 | 0.3 | 5.31 | 0.6 | 160 | AC | --- | 0.3 | STRIPED HILLS |
| 28 | 14:24:50 | 36.836 | 116.254 | 0.2 | 4.97 | 0.8 | 114 | AB | 2.0 | 1.4 | JACKASS FLATS |
| 30 | 4:47: 0 | 37.006 | 116.190 | 0.3 | 8.48 | 0.4 | 169 | AC | --- | 0.8 | TIPPIPAH SPRING |
| 30 | 5:46:21 | 37.113 | 116.262 | 0.2 | 7.13 | 0.7 | 72 | AB | 2.0 | 2.0 | BUCKBOARD MESA |
| 30 | 7:[illegible]:26 | 37.238 | 114.910 | 0.3 | 1.53 | 0.8 | 178 | AC | 1.7 | 1.9 | DELAMAR 3 NW |
| 30 | 8:21:58 | 37.023 | 116.463 | 0.2 | 8.46 | 0.6 | 87 | AA | 1.5 | 1.1 | TIMBER MTN |
| 30 | 9: 5: 7 | 37.387 | 114.663 | 1.4 | 2.17 | 4.4 | 258 | BD | 1.8 | 1.6 | SLIDY MTN |
| 30 | 12:28:52 | 36.748 | 116.242 | 0.3 | 6.51 | 0.3 | 242 | AB | 1.6 | 1.0 | SPECTER RANGE NW |
| 30 | 12:41: 9 | 36.598 | 116.049 | 0.2 | 8.02 | 0.8 | 187 | AB | 1.3 | 1.1 | SPECTER RANGE SE |
| 30 | 19:21:18 | 37.278 | 116.231 | 0.7 | 14.40 | 1.2 | 328 | AD | --- | 0.9 | QUARTET DOME |
| 31 | 1:38: 2 | 36.454 | 117.278 | 0.3 | 4.69 | 1.5 | 197 | AD | --- | 1.5 | PAHAMINT BUTTE |
| 31 | 22:29:52 | 37.020 | 116.465 | 0.3 | 10.04 | 0.3 | 193 | AD | 1.7 | 1.4 | TIMBER MTN |
| JUN 2 | 17: 3:36 | 37.026 | 116.469 | 0.3 | 9.77 | 0.5 | 281 | AD | --- | 0.7 | TIMBER MTN |
| 2 | 17: 5:34 | 36.840 | 116.254 | 0.3 | 7.37 | 0.7 | 110 | AB | 1.0 | 0.6 | JACKASS FLATS |
| 2 | 18:22:27 | 37.026 | 116.462 | 0.2 | 10.11 | 0.3 | 193 | AD | --- | 0.6 | TIMBER MTN |
| 2 | 21:22:13 | 36.481 | 116.590 | 0.2 | 3.98 | 1.8 | 124 | AC | 2.0 | 1.4 | RYAN |
| 2 | 21:23: 3 | 36.472 | 116.593 | 0.6 | 5.99 | 2.6 | 198 | BD | --- | 1.1 | RYAN |
| 3 | 2:44:23 | 37.020 | 116.476 | 0.5 | 10.60 | 0.5 | 244 | AD | 1.1 | 0.4 | TIMBER MTN |
| 3 | 4:16:22 | 37.108 | 116.784 | 0.2 | -0.25 | 0.2 | 129 | AB | --- | 0.9 | SPRINGDALE |
| 3 | 8:32:57 | 37.023 | 116.464 | 0.1 | 9.86 | 0.4 | 49 | AA | 2.2 | 1.7 | TIMBER MTN |
| 3 | 15:33:18 | 37.177 | 116.745 | 0.2 | 0.58 | 0.2 | 187 | AC | --- | 1.1 | THIRSTY CANYON NW |
| 3 | 19: 1:50 | 36.388 | 116.985 | 0.4 | 13.10 | 0.6 | 84 | AA | --- | 0.9 | FURNACE CREEK |
| 3 | 20:41: 8 | 36.917 | 116.187 | 1.8 | 2.32 | 4.4 | 257 | BD | --- | 1.9 | ***REGIONAL*** |
| 4 | 23: 8: 7 | 37.020 | 116.472 | 0.3 | 8.65 | 0.5 | 269 | AD | --- | 0.3 | TIMBER MTN |
| 6 | 6: 8:57 | 37.463 | 115.388 | 0.3 | 8.54 | 1.9 | 89 | AC | --- | 6.9 | HANCOCK SUMMIT |
| 6 | 23:22: 9 | 37.182 | 116.092 | 0.2 | -0.61 | 0.2 | 100 | AB | 1.7 | 1.7 | OAK SPRING |
| 7 | 12:35: 9 | 37.264 | 116.044 | 0.3 | 7.71 | 0.5 | 178 | AC | --- | 1.3 | OAK SPRING BUTTE |
| 7 | 13:13:35 | 37.616 | 117.436 | 0.2 | 7.02 | 0.6 | 97 | AB | --- | 1.4 | MONTEZUMA PEAK SW |
| 7 | 13:39: 9 | 36.441 | 116.753 | 0.3 | 6.12 | 2.2 | 104 | BC | 1.7 | 1.6 | FURNACE CREEK |
| 7 | 22:19:18 | 36.938 | 116.803 | 0.8 | 3.20* | --- | 290 | CD | 1.3 | 0.8 | BULLFROG |
| 8 | 6:28:52 | 36.833 | 116.288 | 0.3 | 4.28 | 0.9 | 116 | AB | 1.7 | 1.2 | JACKASS FLATS |
| 8 | 9:29: 9 | 36.834 | 116.258 | 0.2 | 8.14 | 0.4 | 142 | AC | 0.8 | 0.9 | JACKASS FLATS |
| 8 | 11:50:43 | 36.839 | 116.258 | 0.3 | 4.96 | 0.7 | 145 | AC | 1.0 | 0.5 | JACKASS FLATS |
| 9 | 16:17:57 | 36.628 | 116.381 | 0.6 | 5.06 | 0.5 | 313 | AD | --- | 0.9 | STRIPED HILLS |
| 9 | 22:30:32 | 37.670 | 115.882 | 0.3 | 6.35 | 1.3 | 104 | AB | --- | 1.3 | HIKO NE |

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1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| JUN 10 8:18:58 | 36.885 | 116.046 | 0.2 | 0.92 | 0.5 | 68 | AB | 1.9 | 1.3 | SPECTER RANGE SE |
| 10 16:52:16 | 37.025 | 116.469 | 0.3 | 9.16 | 0.4 | 198 | AD | --- | 0.8 | TIMBER MTN |
| 11 20:18:42 | 36.761 | 116.251 | 0.2 | 0.42 | 0.2 | 175 | AC | 1.2 | 0.8 | JACKASS FLATS |
| 12 18:38:49 | 37.370 | 116.238 | 0.9 | 10.85 | 1.3 | 238 | AD | --- | 1.6 | QUARTET DOME |
| 12 23: 8:16 | 36.708 | 115.786 | 2.3 | 3.84 | 2.3 | 222 | DD | --- | 0.9 | MERCURY NE |
| 13 0:58:38 | 37.252 | 116.490 | 0.5 | 2.61* | --- | 45 | CC | 2.2 | --- | SILENT BUTTE |
| 13 1:31:35 | 37.257 | 116.475 | 1.0 | 7.00** | 4.0 | 63 | BC | 2.7 | --- | SILENT BUTTE |
| 13 7:45:18 | 37.675 | 114.872 | 2.2 | 1.53 | 6.2 | 160 | CC | 1.6 | --- | PAHROC SPRING NE |
| 13 23: 3: 4 | 36.500 | 116.388 | 0.2 | 1.71 | 0.8 | 126 | AC | --- | 0.9 | LATHROP WELLS SW |
| 13 23:23:28 | 37.089 | 116.464 | 2.4 | 0.98 | 1.8 | 298 | BD | --- | 0.5 | TIMBER MTN |
| 14 4:20: 8 | 36.813 | 115.863 | 0.4 | 4.95 | 1.2 | 185 | AD | --- | 1.1 | FRENCHMAN LAKE SE |
| 14 13:22:39 | 37.236 | 116.514 | 0.2 | 4.39 | 1.4 | 157 | AC | 1.6 | 0.9 | THIRSTY CANYON NE |
| 14 18:52:27 | 36.927 | 116.178 | 1.2 | 6.31 | 1.4 | 272 | BD | --- | 0.7 | MINE MTN |
| 15 1: 9:56 | 37.165 | 117.281 | 0.3 | 6.56 | 1.1 | 93 | AC | --- | 1.0 | UBEHEBE CRATER |
| 15 2:47:19 | 37.028 | 116.478 | 0.4 | 6.43 | 0.8 | 200 | AD | --- | 0.6 | TIMBER MTN |
| 16 1:16: 9 | 36.804 | 116.054 | 0.2 | 7.00 | 0.6 | 72 | AB | --- | 1.0 | SPECTER RANGE SE |
| 16 6:47:57 | 37.005 | 116.416 | 0.3 | 12.46 | 0.2 | 189 | AD | --- | 0.3 | TIMBER MTN |
| 16 7: 8:10 | 36.991 | 116.419 | 0.4 | 10.74 | 0.5 | 179 | AC | --- | 0.7 | TOPOPAH SPRING NW |
| 16 17:15:59 | 37.195 | 116.568 | 0.3 | 0.11 | 1.0 | 153 | AC | 1.4 | 1.0 | THIRSTY CANYON NE |
| 18 1: 1: 8 | 36.672 | 116.267 | 0.2 | 0.06 | 0.3 | 99 | AB | 1.5 | 0.8 | STRIPED HILLS |
| 18 1: 3:23 | 36.672 | 116.266 | 0.1 | 0.21 | 0.3 | 95 | AB | 1.1 | 0.8 | STRIPED HILLS |
| 18 4:28:59 | 35.611 | 116.496 | 4.9 | 22.13 | 2.2 | 212 | CD | 2.6 | --- | AVAWATZ PASS |
| 18 14:31:47 | 37.285 | 115.162 | 0.3 | 5.99 | 1.2 | 143 | AC | 1.9 | 1.5 | ALAMO |
| 18 17: 6:27 | 36.674 | 116.524 | 0.1 | 7.44 | 0.5 | 168 | AC | --- | 0.6 | BIG DUNE |
| 18 19:12:48 | 36.732 | 115.989 | 1.0 | 9.16 | 1.0 | 187 | AD | --- | 0.9 | MERCURY |
| 19 12:34:24 | 36.724 | 116.774 | 1.8 | 2.37 | 2.7 | 328 | BD | --- | 1.2 | CHLORIDE CLIFF |
| 19 13:52: 8 | 37.455 | 115.314 | 0.3 | 2.01 | 2.0 | 85 | AC | --- | 1.2 | HANCOCK SUMMIT |
| 19 19:34:27 | 36.506 | 116.273 | 0.2 | 2.50 | 0.4 | 120 | AC | --- | 0.9 | LATHROP WELLS SE |
| 19 23:25:27 | 36.027 | 117.158 | 0.4 | 4.29 | 0.1 | 268 | CD | --- | 1.4 | TELESCOPE PEAK |
| 20 0:40: 5 | 36.718 | 116.020 | 0.4 | 0.25 | 0.8 | 176 | AC | --- | 0.8 | CAMP DESERT ROCK |
| 20 4: 1:11 | 36.888 | 116.379 | 1.2 | 10.08 | 1.5 | 151 | BC | --- | 0.3 | TOPOPAH SPRING NW |
| 20 7: 4:21 | 36.814 | 117.477 | 0.5 | 0.01 | 0.5 | 188 | AD | --- | 1.3 | TIN MTN |
| 20 15:33:43 | 37.454 | 115.313 | 0.2 | 4.82 | 3.5 | 85 | BC | 1.8 | 1.7 | HANCOCK SUMMIT |
| 21 14:31: 7 | 36.839 | 116.322 | 0.6 | 3.43 | 0.5 | 278 | AD | --- | 0.6 | STRIPED HILLS |
| 21 21: 1:54 | 36.432 | 117.053 | 0.5 | 10.53 | 0.9 | 217 | AD | --- | 1.3 | EMIGRANT CANYON |
| 22 0:49: 0 | 36.637 | 117.125 | 0.2 | 1.18 | 0.8 | 105 | AC | 2.1 | 1.7 | STOVEPIPE WELLS |
| 22 0:59:44 | 36.632 | 117.138 | 0.2 | 1.82 | 0.6 | 105 | AC | --- | 1.9 | STOVEPIPE WELLS |
| 22 2:24: 4 | 36.634 | 117.128 | 0.4 | 4.87 | 3.9 | 107 | BC | --- | 1.6 | STOVEPIPE WELLS |
| 22 3:10: 3 | 37.452 | 115.318 | 0.3 | 0.88 | 1.8 | 139 | AC | --- | 1.6 | HANCOCK SUMMIT |
| 22 9:34:40 | 36.888 | 115.970 | 0.3 | 3.90 | 1.2 | 185 | AD | --- | 0.8 | PLUTONIUM VALLEY |
| 22 12:41:42 | 35.928 | 116.838 | 3.3 | 1.46* | --- | 284 | CD | --- | 1.6 | WINGATE WASH |
| 22 21:49:24 | 36.832 | 117.134 | 0.4 | 6.39 | 2.0 | 189 | BC | --- | 1.6 | STOVEPIPE WELLS |
| 23 1:15:57 | 37.001 | 116.228 | 0.2 | 4.38 | 0.5 | 77 | AA | --- | 1.3 | TIPPIPAH SPRING |
| 23 2:34:37 | 37.161 | 114.813 | 0.7 | 4.22 | 9.2 | 249 | CD | --- | 0.9 | DELAMAR 3 NE |
| 23 3: 5: 3 | 36.872 | 115.957 | 0.6 | 1.40 | 1.0 | 190 | AD | --- | 0.8 | FRENCHMAN FLAT |
| 23 3:38:31 | 36.574 | 116.847 | 0.9 | 14.27 | 1.6 | 310 | AD | --- | 0.7 | BIG DUNE |
| 23 4:25:00 | 36.830 | 116.073 | 0.2 | 0.24 | 0.3 | 233 | AD | --- | 0.5 | CANE SPRING |
| 23 16:40:18 | 35.817 | 117.023 | 0.9 | 6.77 | 2.4 | 298 | BD | --- | 1.4 | MANLY PEAK |
| 23 19: 1:22 | 37.218 | 116.511 | 0.2 | 2.54 | 0.6 | 71 | AC | 1.7 | 1.9 | THIRSTY CANYON NE |
| 23 19:41: 1 | 37.222 | 116.383 | 0.2 | 2.47 | 0.3 | 111 | AB | 1.5 | 1.2 | SCRUGHAM PEAK |
| 24 19:24:32 | 36.752 | 115.913 | 0.2 | 9.15 | 0.5 | 157 | AC | --- | 1.2 | FRENCHMAN FLAT |
| 25 11:21:13 | 36.523 | 115.170 | 1.3 | 3.85 | 0.9 | 230 | BD | 2.1 | --- | HAYFORD PEAK |
| 25 22:32:47 | 36.971 | 116.483 | 1.2 | 11.83 | 1.5 | 219 | BD | --- | 0.8 | TOPOPAH SPRING NW |
| 28 12:12:54 | 36.754 | 115.919 | 0.2 | 8.98 | 0.5 | 156 | AC | --- | 1.1 | FRENCHMAN FLAT |
| 28 9:11:31 | 36.754 | 115.907 | 0.2 | 11.07 | 0.4 | 161 | AC | 1.5 | 1.1 | FRENCHMAN FLAT |
| 28 20:12:33 | 36.753 | 115.915 | 0.2 | 11.30 | 0.3 | 135 | AC | 1.7 | 1.5 | FRENCHMAN FLAT |
| 29 2:13:46 | 36.749 | 115.919 | 0.3 | 7.90 | 0.7 | 153 | AC | --- | 0.6 | MERCURY |
| 29 14: 2:31 | 36.753 | 115.920 | 0.1 | 8.65 | 0.3 | 155 | AC | 1.6 | 1.2 | FRENCHMAN FLAT |
| 30 21:53:55 | 36.837 | 116.239 | 0.2 | 4.86 | 0.8 | 122 | AB | --- | 0.4 | SKULL MTN |
| 30 22: 0:38 | 36.834 | 116.240 | 0.2 | 3.38 | 0.9 | 125 | AB | --- | 0.9 | SKULL MTN |
| JUL 1 3:46:30 | 36.752 | 115.913 | 0.2 | 10.44 | 0.3 | 157 | AC | 1.6 | 1.4 | FRENCHMAN FLAT |
| 1 9:24:57 | 36.740 | 115.444 | 0.2 | 7.00** | 4.3 | 169 | BC | 1.8 | 1.4 | BLACK HILLS NW |
| 1 17:59:50 | 36.876 | 115.834 | 0.9 | 20.72 | 1.1 | 319 | AD | --- | 1.4 | AYSEES PEAK |
| 2 2:19:24 | 36.884 | 115.209 | 0.4 | 1.70 | 1.4 | 137 | AC | 1.4 | 1.0 | MINE MTN |
| 2 5:40:21 | 36.753 | 115.914 | 0.2 | 7.58 | 0.5 | 189 | AD | --- | 0.6 | FRENCHMAN FLAT |
| 2 6:51: 9 | 37.189 | 117.073 | 0.2 | 5.17 | 1.7 | 161 | AC | 1.9 | 1.7 | BONNIE CLAIRE SE |

9075900/593

1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 2 23: 9:46 | 37.659 | 115.273 | 0.4 | 2.73 | 0.4 | 88 | AA | --- | 1.5 | MT IRISH |
| 3 6:20: 6 | 37.114 | 117.872 | 0.2 | 5.09 | 1.9 | 102 | AC | --- | 0.8 | BONNIE CLAIRE SE |
| 3 18:37:54 | 36.747 | 115.918 | 0.2 | 10.04 | 0.3 | 153 | AC | 1.7 | 1.2 | MERCURY |
| 3 23:55:13 | 36.775 | 116.216 | 0.3 | 6.61 | 0.8 | 98 | AB | --- | 0.4 | SKULL MTN |
| 4 8: 7: 4 | 36.618 | 116.431 | 0.4 | 10.04 | 0.7 | 207 | AD | --- | 0.3 | LATHROP WELLS SW |
| 5 5:43:18 | 37.091 | 116.216 | 0.2 | 5.69 | 0.4 | 115 | AB | --- | 0.7 | TIPPIPAH SPRING |
| 5 9:28:51 | 37.187 | 117.439 | 0.3 | 9.42 | 1.8 | 119 | AC | --- | 1.3 | UBEHEBE CRATER |
| 6 1: 3:46 | 37.081 | 116.298 | 0.1 | 4.08 | 0.4 | 64 | AB | --- | 1.3 | BUCKBOARD MESA |
| 6 6:59:30 | 37.223 | 116.533 | 0.2 | 6.04 | 0.7 | 145 | AC | 1.0 | 1.2 | THIRSTY CANYON NE |
| 6 11: 1:37 | 37.214 | 115.857 | 0.7 | 10.57 | 0.5 | 295 | AD | --- | 1.0 | JANGLE RIDGE |
| 6 19:53:43 | 36.895 | 115.975 | 0.3 | 7.48 | 1.2 | 153 | AC | --- | 0.4 | PLUTONIUM VALLEY |
| 7 2:33:13 | 36.890 | 115.975 | 0.3 | 6.35 | 0.8 | 152 | AC | 1.2 | 0.7 | PLUTONIUM VALLEY |
| 7 2:39:42 | 36.893 | 115.982 | 0.5 | 6.77 | 1.2 | 188 | AD | --- | 0.6 | PLUTONIUM VALLEY |
| 7 14:36: 0 | 37.112 | 117.872 | 0.2 | 5.43 | 1.7 | 101 | AC | --- | 1.2 | BONNIE CLAIRE SE |
| 8 1:29:22 | 37.328 | 117.815 | 0.4 | 7.21 | 0.8 | 191 | AD | --- | 1.4 | MAGRUDER MTN |
| 8 6:20: 7 | 36.754 | 115.928 | 0.5 | 2.27 | 1.5 | 57 | BC | 1.4 | --- | FRENCHMAN FLAT |
| 8 16: 2:17 | 36.756 | 115.920 | 0.2 | 5.78 | 0.6 | 65 | AB | 1.6 | 1.0 | FRENCHMAN FLAT |
| 9 8:53:36 | 37.414 | 118.490 | 5.5 | 7.00 | 2.2 | 293 | DD | 2.4 | --- | ***REGIONAL*** |
| 10 16:40: 5 | 37.742 | 115.036 | 0.3 | 8.59 | 0.8 | 130 | AB | --- | 1.3 | MIKO NE |
| 10 18:58:32 | 36.886 | 115.659 | 0.5 | 9.67 | 3.1 | 76 | BB | 1.9 | 1.7 | INDIAN SPRINGS NW |
| 11 2:43:34 | 36.879 | 117.721 | 2.3 | 7.70 | 1.2 | 254 | BD | 2.1 | --- | COSO PEAK |
| 11 3:16: 9 | 36.888 | 117.881 | 3.5 | -1.10 | 6.3 | 752 | CD | 1.9 | --- | COSO PEAK |
| 11 21:55:42 | 36.817 | 116.204 | 0.2 | 7.48 | 0.4 | 85 | AA | 1.8 | 1.8 | SKULL MTN |
| 12 1:54:41 | 37.452 | 115.302 | 0.6 | 6.18 | 2.5 | 284 | BD | --- | 1.0 | HANCOCK SUMMIT |
| 14 12:58:42 | 37.482 | 115.291 | 1.2 | -0.10 | 0.7 | 223 | BD | --- | 0.8 | HANCOCK SUMMIT |
| 14 14:22:43 | 36.850 | 116.409 | 0.3 | 8.79 | 0.5 | 214 | AD | --- | 0.4 | LATHROP WELLS NW |
| 14 14:23: 6 | 36.547 | 116.409 | 0.4 | 9.06 | 0.5 | 244 | AD | --- | 0.5 | LATHROP WELLS NW |
| 14 14:54: 7 | 36.663 | 116.410 | 0.2 | 4.34 | 0.8 | 178 | AC | 1.3 | 0.7 | LATHROP WELLS NW |
| 15 14:54:40 | 36.778 | 116.255 | 0.2 | 3.27 | 0.6 | 168 | AC | --- | 0.2 | JACKASS FLATS |
| 16 3:54:28 | 36.885 | 116.222 | 0.6 | 3.86 | 1.3 | 120 | AB | --- | 0.2 | MINE MTN |
| 16 18:15:50 | 37.089 | 116.878 | 0.2 | 8.02 | 0.3 | 99 | AC | 1.5 | 0.8 | SPRINGDALE |
| 16 21:34:54 | 36.687 | 116.312 | 0.7 | 2.81 | 1.0 | 177 | AC | --- | 0.7 | STRIPED HILLS |
| 18 17:45:47 | 36.661 | 116.413 | 0.6 | 8.93 | 0.9 | 248 | AD | --- | 0.7 | LATHROP WELLS NW |
| 19 18:48:50 | 36.710 | 116.169 | 0.2 | 4.05 | 1.5 | 93 | AB | --- | 1.1 | SPECTER RANGE NW |
| 19 21:34: 4 | 37.689 | 115.025 | 0.2 | 2.92 | 0.5 | 120 | AB | 1.8 | 1.4 | MIKO NE |
| 20 7:34:39 | 36.721 | 115.966 | 0.3 | 4.86 | 0.8 | 139 | AC | --- | 0.8 | MERCURY |
| 20 22:54: 1 | 37.189 | 117.406 | 0.6 | 6.15 | 3.3 | 114 | BC | --- | 1.2 | UBEHEBE CRATER |
| 21 1:37:22 | 37.480 | 115.423 | 0.1 | 21.41 | 0.3 | 221 | AD | --- | 1.3 | CRESCENT RESERVOIR |
| 22 20:30:19 | 36.767 | 115.919 | 0.6 | 6.85 | 1.6 | 196 | AD | --- | 0.6 | FRENCHMAN FLAT |
| 23 3: 7:20 | 36.900 | 116.225 | 0.3 | 4.82 | 0.4 | 124 | AB | --- | 0.3 | MINE MTN |
| 23 12:57:19 | 36.748 | 115.913 | 0.2 | 10.46 | 0.4 | 155 | AC | --- | 0.8 | MERCURY |
| 23 12:57:37 | 36.750 | 115.914 | 0.2 | 9.91 | 0.3 | 134 | AB | --- | 1.0 | FRENCHMAN FLAT |
| 23 23:37: 9 | 37.281 | 115.390 | 0.3 | 9.05 | 1.5 | 145 | AC | --- | 1.1 | CUTLER RESERVOIR |
| 24 7:43: 2 | 37.687 | 115.027 | 0.3 | 8.02 | 0.5 | 118 | AB | 1.9 | 2.0 | MIKO NE |
| 25 17:58:52 | 37.855 | 116.038 | 0.8 | 1.86 | 2.0 | 223 | AD | --- | 1.3 | YUCCA FLAT |
| 26 2: 5:27 | 37.358 | 116.087 | 0.2 | 4.71 | 0.7 | 88 | AB | --- | 0.2 | BLACK MTN SW |
| 26 9:33:13 | 37.230 | 114.898 | 2.0 | 4.02* | --- | 237 | CD | 1.6 | 1.6 | DELAMAR 3 NW |
| 26 18:13: 6 | 37.220 | 115.118 | 0.7 | 2.15 | 1.0 | 188 | AD | 2.1 | 1.3 | LOWER PAHRANAGAT LAKE |
| 27 2:27:56 | 36.878 | 115.985 | 0.2 | 4.68 | 1.0 | 147 | AC | --- | 0.6 | PLUTONIUM VALLEY |
| 27 5:41:13 | 37.105 | 116.748 | 0.2 | 1.44 | 0.7 | 133 | AB | --- | 0.8 | THIRSTY CANYON SW |
| 28 6:53:12 | 36.905 | 115.968 | 0.4 | 3.80 | 3.5 | 157 | BC | 1.6 | 1.2 | PLUTONIUM VALLEY |
| 28 18:20:11 | 37.861 | 116.746 | 0.4 | 5.02 | 4.0 | 90 | BB | 1.4 | 1.2 | THIRSTY CANYON SW |
| 30 5:30: 5 | 37.152 | 116.878 | 0.4 | 6.08 | 1.5 | 198 | AD | 2.0 | 1.1 | SPRINGDALE |
| 30 5:43:44 | 37.142 | 116.874 | 0.1 | 8.66 | 0.2 | 111 | AC | 1.8 | 1.6 | SPRINGDALE |
| 30 6:34: 8 | 37.145 | 116.878 | 0.2 | 5.38 | 2.1 | 116 | BC | 1.5 | 1.4 | SPRINGDALE |
| 30 7: 5:45 | 37.145 | 116.881 | 0.2 | 9.74 | 1.8 | 116 | AC | 1.5 | 1.7 | SPRINGDALE |
| 30 7: 8: 6 | 37.149 | 116.889 | 0.3 | 7.73 | 1.3 | 200 | AD | --- | 0.5 | SPRINGDALE |
| 30 7: 9:38 | 37.150 | 116.884 | 0.5 | 3.90 | 3.0 | 201 | BD | --- | 0.7 | SPRINGDALE |
| 30 7:20:52 | 37.151 | 116.886 | 0.4 | 7.45 | 1.7 | 200 | AD | --- | 1.0 | SPRINGDALE |
| 30 7:42:43 | 37.149 | 116.881 | 0.2 | 6.29 | 1.7 | 117 | AC | --- | 1.5 | SPRINGDALE |
| 30 7:47: 1 | 37.148 | 116.883 | 0.2 | 9.02 | 1.0 | 118 | AC | 2.1 | 1.5 | SPRINGDALE |
| 30 7:48:40 | 37.148 | 116.866 | 0.2 | 9.32 | 1.4 | 88 | AC | 2.2 | --- | SPRINGDALE |
| 30 7:53:18 | 37.148 | 116.874 | 0.5 | 5.41 | 2.1 | 196 | BD | 1.5 | 1.0 | SPRINGDALE |
| 30 7:54:49 | 37.144 | 116.886 | 0.2 | 6.43 | 1.0 | 118 | AC | 1.8 | 1.2 | SPRINGDALE |
| 30 8: 1:20 | 37.143 | 116.881 | 0.2 | 8.63 | 1.5 | 115 | AC | 1.9 | 2.0 | SPRINGDALE |
| 30 8: 3:33 | 37.149 | 116.878 | 0.2 | 13.11 | 0.7 | 197 | AD | --- | 0.9 | SPRINGDALE |

9175394

9075900/594

1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 30 8: 0:23 | 37.147 | 116.883 | 0.4 | 5.44 | 2.2 | 198 | BD | --- | 1.1 | SPRINGDALE |
| 30 8:12: 7 | 37.148 | 116.886 | 0.3 | 12.64 | 1.8 | 199 | AD | 1.7 | 0.9 | SPRINGDALE |
| 30 8:18: 9 | 37.289 | 117.714 | 1.2 | 4.00 | 6.3 | 176 | CC | --- | 1.2 | MAGRUDER MTN |
| 30 8:23:33 | 37.298 | 117.703 | 0.4 | -1.10 | 0.4 | 157 | AC | --- | 1.1 | MAGRUDER MTN |
| 30 8:36:40 | 37.145 | 116.879 | 0.1 | 7.17 | 0.5 | 49 | AC | 2.3 | 2.4 | SPRINGDALE |
| 30 8:39:17 | 37.143 | 116.876 | 0.3 | 9.10 | 1.8 | 79 | AB | --- | 1.0 | SPRINGDALE |
| 30 8:43: 3 | 37.148 | 116.881 | 0.3 | 7.92 | 1.3 | 197 | AD | --- | 1.0 | SPRINGDALE |
| 30 9:26:47 | 37.147 | 116.882 | 0.2 | 10.22 | 1.0 | 198 | AD | 1.5 | 1.2 | SPRINGDALE |
| 30 9:32:10 | 37.149 | 116.883 | 0.3 | 7.12 | 1.7 | 199 | AD | --- | 1.0 | SPRINGDALE |
| 30 9:40:41 | 37.142 | 116.881 | 0.3 | 9.17 | 1.5 | 115 | AB | 1.5 | 1.0 | SPRINGDALE |
| 30 12:13:20 | 36.726 | 115.428 | 0.3 | 22.77 | 0.4 | 112 | AB | 2.0 | 1.0 | BLACK HILLS NW |
| 30 12:13:35 | 37.143 | 116.874 | 0.3 | 4.01 | 2.4 | 194 | BD | 1.6 | 1.0 | SPRINGDALE |
| 30 12:23:27 | 37.149 | 116.880 | 0.2 | 8.48 | 1.0 | 117 | AB | 2.1 | 1.4 | SPRINGDALE |
| 30 13: 3:38 | 37.146 | 116.885 | 0.4 | 4.66 | 3.4 | 198 | BD | --- | 1.0 | SPRINGDALE |
| 30 13:34:13 | 37.146 | 116.884 | 0.2 | 9.95 | 1.4 | 116 | AC | 2.0 | --- | SPRINGDALE |
| 30 14:29: 7 | 37.145 | 116.879 | 0.3 | 9.93 | 1.3 | 116 | AC | --- | 1.0 | SPRINGDALE |
| 30 15: 4:24 | 37.145 | 116.879 | 0.1 | 7.65 | 0.5 | 49 | AC | 3.0 | --- | SPRINGDALE |
| 30 15:14:39 | 37.139 | 116.881 | 0.2 | 9.75 | 1.0 | 114 | AC | 1.5 | 1.0 | SPRINGDALE |
| 30 15:19: 6 | 37.142 | 116.881 | 0.2 | 7.55 | 1.4 | 115 | AC | 1.6 | 1.3 | SPRINGDALE |
| 30 15:20:17 | 37.135 | 116.871 | 0.2 | 4.33 | 1.8 | 142 | AC | --- | 1.0 | SPRINGDALE |
| 30 15:21:44 | 37.139 | 116.877 | 0.3 | 13.34 | 1.2 | 114 | AB | --- | 1.1 | SPRINGDALE |
| 30 15:26:24 | 37.149 | 116.881 | 0.2 | 8.79 | 1.0 | 117 | AC | --- | 1.2 | SPRINGDALE |
| 30 15:26:58 | 37.142 | 116.877 | 0.2 | 18.56 | 1.[illegible] | [illegible] | AC | 2.1 | 2.3 | SPRINGDALE |
| 30 15:32:58 | 37.155 | 116.882 | 0.4 | 7.26 | 1.8 | 201 | AD | --- | 1.0 | SPRINGDALE |
| 30 15:42: 6 | 37.142 | 116.883 | 0.2 | 10.11 | 1.4 | 115 | AC | 1.9 | 1.7 | SPRINGDALE |
| 30 16: 1:25 | 37.141 | 116.877 | 0.1 | 9.87 | 0.3 | 114 | AC | 1.1 | 1.0 | SPRINGDALE |
| 30 16: 6: 3 | 37.143 | 116.874 | 0.6 | 4.89 | 2.7 | 194 | BD | --- | 0.9 | SPRINGDALE |
| 30 16:15:48 | 37.147 | 116.881 | 0.2 | 9.81 | 0.8 | 117 | AC | 1.7 | 1.4 | SPRINGDALE |
| 30 17: 0:53 | 37.140 | 116.876 | 0.5 | 4.63 | 4.5 | 114 | BC | --- | 1.6 | SPRINGDALE |
| 30 17:18:43 | 37.141 | 116.863 | 0.6 | 4.38 | 2.5 | 196 | BD | --- | 0.9 | SPRINGDALE |
| 30 17:21:33 | 37.147 | 116.882 | 0.2 | 9.55 | 1.5 | 117 | AC | 2.0 | 2.0 | SPRINGDALE |
| 30 20:10:21 | 37.130 | 116.826 | 0.5 | 1.92 | 1.6 | 210 | AD | --- | 0.9 | SPRINGDALE |
| 30 21:39:58 | 37.138 | 116.879 | 0.4 | 7.11 | 2.6 | 142 | BC | 1.6 | 1.2 | SPRINGDALE |
| 30 22: 1:52 | 37.148 | 116.879 | 0.4 | 8.02 | 1.9 | 144 | AC | 1.5 | 1.6 | SPRINGDALE |
| 30 22: 4:23 | 37.156 | 116.876 | 0.2 | -1.02 | 0.4 | 147 | AC | 1.7 | --- | SPRINGDALE |
| 30 22:22:24 | 36.695 | 116.274 | 0.5 | 0.94 | 0.3 | 198 | AD | --- | 0.6 | STRIPED HILLS |
| 30 22:24:28 | 37.145 | 116.875 | 0.2 | 0.05 | 0.3 | 144 | AC | 1.7 | 1.1 | SPRINGDALE |
| 30 22:59:14 | 37.145 | 116.880 | 0.3 | 10.42 | 1.1 | 144 | AC | 1.6 | 1.2 | SPRINGDALE |
| 31 2: 1:38 | 37.152 | 116.874 | 0.2 | -1.09 | 0.4 | 148 | AC | --- | 1.6 | SPRINGDALE |
| 31 2:13:31 | 37.156 | 116.881 | 0.3 | 7.33 | 1.4 | 228 | AD | --- | 0.7 | SPRINGDALE |
| 31 2:30:31 | 37.142 | 116.885 | 0.2 | 13.76 | 0.8 | 143 | AC | 1.7 | 1.1 | SPRINGDALE |
| 31 8:19:12 | 37.153 | 116.875 | 0.2 | -0.13 | 0.2 | 147 | AC | 1.2 | 1.4 | SPRINGDALE |
| 31 8:55:25 | 37.154 | 116.890 | 0.4 | 12.87 | 0.8 | 229 | AD | --- | 1.1 | SPRINGDALE |
| 31 9:48:15 | 37.134 | 116.880 | 0.5 | 7.27 | 2.7 | 141 | BC | 1.9 | 1.9 | SPRINGDALE |
| 31 10: 1:31 | 37.152 | 116.879 | 0.3 | 5.07 | 1.3 | 228 | AD | --- | 0.7 | SPRINGDALE |
| 31 10:52:44 | 37.139 | 116.881 | 0.3 | 8.01 | 1.7 | 142 | AC | 1.4 | 1.1 | SPRINGDALE |
| 31 11:42:51 | 36.713 | 115.488 | 0.3 | 16.87 | 1.4 | 101 | AB | 2.1 | 2.0 | BLACK HILLS NW |
| 31 22:22:40 | 37.144 | 116.877 | 0.3 | 0.54 | 0.4 | 152 | AC | 1.7 | 1.2 | SPRINGDALE |
| AUG 1 1:22:25 | 37.150 | 116.896 | 0.2 | 1.17 | 5.0 | 148 | CC | 1.9 | --- | SPRINGDALE |
| 2 14:19:21 | 37.281 | 116.874 | 0.3 | 0.85 | 0.4 | 185 | AC | --- | 1.2 | OAK SPRING BUTTE |
| 2 16:45:58 | 37.146 | 116.888 | 0.3 | 13.02 | 0.9 | 199 | AD | --- | 0.6 | SPRINGDALE |
| 2 17:53:10 | 37.148 | 116.879 | 0.2 | 6.68 | 1.6 | 89 | AC | 2.1 | --- | SPRINGDALE |
| 2 17:55:41 | 37.156 | 116.878 | 0.3 | 6.23 | 2.5 | 120 | BC | 1.5 | 1.1 | SPRINGDALE |
| 2 17:57:50 | 37.146 | 116.879 | 0.2 | 9.73 | 0.9 | 116 | AC | 1.4 | 1.1 | SPRINGDALE |
| 2 18:19:45 | 37.144 | 116.879 | 0.2 | 10.28 | 1.0 | 116 | AC | 1.8 | 1.6 | SPRINGDALE |
| 2 18:36:17 | 37.147 | 116.883 | 0.3 | 4.23 | 2.7 | 198 | BD | --- | 0.8 | SPRINGDALE |
| 2 19:13:18 | 37.147 | 116.883 | 0.2 | 11.54 | 0.8 | 198 | AD | --- | 1.0 | SPRINGDALE |
| 2 19:21:17 | 37.143 | 116.879 | 0.2 | 9.77 | 1.1 | 88 | AC | 1.3 | 2.0 | SPRINGDALE |
| 2 19:50:25 | 37.714 | 115.057 | 0.2 | 7.42 | 1.2 | 116 | AB | --- | 1.0 | HIKO NE |
| 3 1: 9:13 | 36.886 | 116.923 | 0.4 | 15.87 | 1.0 | 183 | AC | 1.8 | 1.9 | BULLFROG |
| 3 1:41:38 | 37.156 | 116.895 | 0.4 | 12.21 | 1.1 | 205 | AD | --- | 0.5 | SPRINGDALE |
| 3 4:10:49 | 37.152 | 116.870 | 0.3 | 8.57 | 1.4 | 118 | AB | 1.6 | 1.1 | SPRINGDALE |
| 3 4:32:42 | 37.150 | 116.879 | 0.3 | 8.54 | 1.6 | 118 | AC | --- | 0.9 | SPRINGDALE |
| 3 15:28:55 | 37.133 | 116.882 | 0.4 | 10.10 | 1.0 | 112 | AB | 1.6 | 1.4 | SPRINGDALE |
| 3 17:55:57 | 36.640 | 116.228 | 0.2 | 7.50 | 0.8 | 126 | AB | 1.3 | 1.0 | SKULL MTN |
| 3 19:32:57 | 37.334 | 115.268 | 1.1 | 0.14 | 4.7 | 153 | BC | --- | 0.9 | BADGER SPRING |

1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 3 21:53:49 | 37.781 | 114.968 | 0.3 | 8.09 | 0.3 | 141 | AC | --- | 0.0 | PAHROC SPRING |
| 4 6:37:15 | 37.141 | 116.881 | 0.3 | 11.84 | 1.5 | 81 | AB | 1.8 | 1.6 | SPRINGDALE |
| 4 6:49: 1 | 37.138 | 116.882 | 0.4 | 11.73 | 1.6 | 114 | AB | 1.4 | 1.5 | SPRINGDALE |
| 4 9:44: 5 | 36.834 | 115.949 | 0.3 | 8.71 | 1.3 | 158 | AC | --- | 0.7 | FRENCHMAN FLAT |
| 5 18: 4:53 | 36.632 | 116.089 | 0.2 | 9.77 | 0.8 | 109 | AC | --- | 0.7 | CAMP DESERT ROCK |
| 6 1: 0: 8 | 37.148 | 116.881 | 0.2 | 7.73 | 1.3 | 117 | AC | 1.6 | 1.1 | SPRINGDALE |
| 6 3:21:26 | 36.492 | 116.221 | 0.2 | 7.07 | 0.6 | 126 | AB | --- | 0.9 | AMARGOSA FLAT |
| 6 23:58:19 | 37.249 | 116.491 | 0.3 | -0.74 | 0.8 | 76 | AC | --- | 1.8 | SCRUGHAM PEAK |
| 7 1:24: 1 | 37.048 | 116.243 | 0.5 | 12.30 | 0.6 | 195 | AD | --- | 0.3 | TIPPIPAH SPRING |
| 7 1:30:34 | 37.146 | 116.882 | 0.3 | 8.78 | 1.7 | 117 | AC | --- | 1.2 | SPRINGDALE |
| 7 5:41:48 | 37.338 | 115.833 | 1.4 | 3.28 | 4.3 | 214 | DD | 1.2 | 1.3 | ALAMO SE |
| 7 23:18:49 | 37.188 | 116.878 | 0.2 | 4.17 | 3.6 | 117 | BC | 1.7 | 1.7 | SPRINGDALE |
| 7 23:56:17 | 37.147 | 116.881 | 0.2 | 10.11 | 0.9 | 117 | AC | 1.7 | 1.4 | SPRINGDALE |
| 8 0:23:40 | 37.243 | 117.041 | 0.2 | 10.78 | 0.4 | 108 | AB | 1.8 | 1.7 | LAST CHANCE RANGE |
| 8 1: 9:47 | 37.341 | 117.752 | 0.4 | 2.94 | 3.0 | 152 | BC | 2.1 | 2.0 | SOLDIER PASS |
| 8 12:12: 9 | 37.182 | 117.518 | 0.8 | 11.20 | 1.9 | 254 | AD | --- | 1.1 | LAST CHANCE RANGE |
| 10 1: 7:20 | 36.711 | 116.138 | 0.1 | 6.19 | 0.7 | 77 | AC | 1.3 | 1.2 | SPECTER RANGE NW |
| 10 3:37:32 | 36.749 | 116.818 | 0.2 | 3.78 | 5.4 | 117 | CC | 1.4 | 1.0 | CAMP DESERT ROCK |
| 10 18:18:20 | 36.337 | 116.854 | 0.1 | 6.02 | 0.9 | 92 | AC | 2.0 | 1.6 | FURNACE CREEK |
| 10 18:22:23 | 37.722 | 115.058 | 0.3 | 7.97 | 1.3 | 117 | AB | 1.3 | 1.3 | HIKO NE |
| 11 1:30:24 | 37.718 | 114.853 | 0.4 | 5.20 | 1.0 | 187 | AD | 1.0 | 1.1 | PAHROC SPRING NE |
| 11 2:56:18 | 37.708 | 114.857 | 0.5 | 6.54 | 1.2 | 273 | AD | --- | 1.3 | PAHROC SPRING NE |
| 11 12:47:12 | 37.341 | 116.887 | 0.5 | 4.15 | 4.[illegible] | 67 | BC | --- | 1.0 | OAK SPRING BUTTE |
| 11 13:48:58 | 37.848 | 115.022 | 0.2 | 2.40 | 0.8 | 120 | AB | 2.5 | 2.0 | HIKO NE |
| 11 14:23:27 | 37.691 | 115.025 | 0.2 | 4.37 | 1.2 | 121 | AB | --- | 1.1 | HIKO NE |
| 11 15: 0:52 | 37.160 | 116.887 | 0.3 | 10.24 | 1.0 | 204 | AD | --- | 0.9 | SPRINGDALE |
| 11 17:54:39 | 37.682 | 115.031 | 0.6 | 5.12 | 3.5 | 117 | DD | --- | 1.1 | HIKO NE |
| 12 2:42:47 | 36.718 | 116.347 | 0.1 | -0.07 | 0.2 | 83 | AB | --- | 1.0 | STRIPED HILLS |
| 12 4:30:24 | 37.229 | 117.333 | 0.5 | 5.09 | 0.9 | 186 | AD | --- | 1.0 | USEMEBE CRATER |
| 12 20:50:59 | 37.336 | 116.889 | 0.3 | 4.82 | 1.9 | 140 | AC | --- | 0.9 | OAK SPRING BUTTE |
| 13 1: 1:37 | 37.689 | 115.033 | 0.3 | 12.27 | 1.0 | 118 | AB | --- | 0.6 | HIKO NE |
| 13 9:23:33 | 37.388 | 116.487 | 0.1 | 1.36 | P.4 | 88 | AC | 1.6 | 0.4 | SILENT BUTTE |
| 13 17:11:57 | 37.649 | 115.041 | 0.3 | 1.40 | 5.0 | 97 | CD | --- | 0.8 | HIKO NE |
| 14 12:17:23 | 36.879 | 116.218 | 0.3 | 5.94 | 0.5 | 131 | AB | --- | 0.6 | MINE MTN |
| 14 12:59.[illegible] | 37.171 | 116.843 | 0.8 | 13.83 | 1.3 | 182 | AC | 1.2 | 1.3 | OAK SPRING |
| 16 4:59:49 | 37.040 | 116.838 | 0.4 | 6.23 | 2.0 | 143 | AC | 1.4 | 0.6 | SPRINGDALE |
| 17 3:15: 9 | 37.689 | 115.029 | 0.9 | 6.33 | 2.8 | 157 | BC | --- | 1.0 | HIKO NE |
| 17 5:56:18 | 37.059 | 116.296 | 0.2 | 5.92 | 0.5 | 66 | AB | --- | 0.5 | BUCKBOARD MESA |
| 17 16:25: 0 | 37.006 | 116.849 | 0.2 | -0.18 | 4.3 | 85 | DD | --- | 0.2 | YUCCA FLAT |
| 19 8:16: 1 | 37.447 | 115.472 | 1.6 | 6.79 | 7.8 | 88 | CC | 1.5 | --- | CRESCENT RESERVOIR |
| 19 10:20:44 | 35.589 | 117.392 | 4.3 | 32.45* | --- | 296 | CD | 2.0 | --- | SEARLES LAKE |
| 19 15:20:59 | 37.144 | 116.874 | 0.2 | 7.39 | 0.6 | 49 | AB | 1.9 | 2.1 | SPRINGDALE |
| 19 15:39:13 | 37.139 | 116.879 | 0.3 | 8.77 | 1.5 | 114 | AC | 1.7 | 0.9 | SPRINGDALE |
| 20 16: 9:29 | 36.863 | 115.955 | 0.1 | 1.78 | 0.5 | 154 | AC | 1.5 | 1.2 | FRENCHMAN FLAT |
| 21 0:17:16 | 36.870 | 116.246 | 0.2 | 1.03* | --- | 86 | CD | 1.2 | 1.0 | SKULL MTN |
| 21 10:59:23 | 37.873 | 117.460 | 0.8 | 6.54 | 2.8 | 193 | DD | --- | 1.0 | MONTEZUMA PEAK SW |
| 21 18:49:52 | 37.874 | 117.437 | 0.5 | 4.40 | 2.9 | 83 | BC | --- | 1.3 | MONTEZUMA PEAK SW |
| 21 18:56:52 | 37.876 | 117.439 | 0.3 | 6.61 | 0.9 | 95 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 21 19: 5:44 | 37.581 | 117.421 | 1.2 | 9.05 | 2.7 | 187 | BC | --- | 1.1 | MONTEZUMA PEAK SW |
| 21 19:16:56 | 37.582 | 117.434 | 0.8 | 10.59 | 1.9 | 135 | AB | --- | 1.1 | MONTEZUMA PEAK SW |
| 21 19:34:33 | 37.569 | 117.443 | 0.3 | 4.29 | 2.8 | 132 | BC | --- | 1.1 | MONTEZUMA PEAK SW |
| 21 19:42:58 | 37.572 | 117.442 | 0.4 | 4.55 | 2.8 | 187 | BC | --- | 1.3 | MONTEZUMA PEAK SW |
| 21 20: 8:59 | 37.577 | 117.438 | 0.6 | 7.59 | 1.4 | 180 | AD | --- | 1.1 | MONTEZUMA PEAK SW |
| 21 20:30:54 | 37.572 | 117.444 | 0.4 | 4.42 | 2.4 | 93 | BC | --- | 1.4 | MONTEZUMA PEAK SW |
| 21 20:54:44 | 37.572 | 117.445 | 0.4 | 5.00 | 1.9 | 91 | AC | --- | 1.5 | MONTEZUMA PEAK SW |
| 21 22:42:38 | 37.572 | 117.444 | 0.3 | 4.01 | 1.9 | 102 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 21 22:51:52 | 37.577 | 117.449 | 0.6 | 7.17 | 1.5 | 187 | AD | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 0:19:25 | 36.028 | 117.534 | 4.2 | 8.29 | 4.2 | 259 | DD | 3.3 | --- | COSO PEAK |
| 22 2:12:21 | 37.574 | 117.452 | 0.3 | 0.88 | 1.1 | 102 | AC | 1.7 | --- | MONTEZUMA PEAK SW |
| 22 2:27:26 | 37.574 | 117.448 | 0.5 | -0.70* | --- | 86 | CC | 2.8 | --- | MONTEZUMA PEAK SW |
| 22 2:44: 3 | 37.579 | 117.488 | 0.5 | 0.81 | 1.5 | 92 | BC | 1.7 | --- | MONTEZUMA PEAK SW |
| 22 3: 5:17 | 37.577 | 117.449 | 0.3 | 1.93 | 0.9 | 87 | AC | 2.2 | --- | MONTEZUMA PEAK SW |
| 22 3:15:36 | 37.623 | 117.468 | 1.0 | -1.10* | --- | 112 | CC | 2.7 | --- | MONTEZUMA PEAK SW |
| 22 3:40: 6 | 37.569 | 117.451 | 0.4 | 4.03 | 3.4 | 93 | BC | 1.3 | 1.4 | MONTEZUMA PEAK SW |
| 22 3:42:43 | 37.571 | 117.449 | 0.4 | 4.80 | 1.9 | 92 | AC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 3:45:17 | 37.568 | 117.482 | 0.3 | 1.86 | 0.7 | 93 | AC | --- | 1.3 | MONTEZUMA PEAK SW |

9 0 7 5 9 0 5 9 6

1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 22 3:47:52 | 37.580 | 117.443 | 0.4 | 0.72 | 0.8 | 86 | AC | 2.8 | 1.7 | MONTEZUMA PEAK SW |
| 22 3:50: 6 | 37.577 | 117.437 | 0.3 | 0.44 | 0.6 | 84 | AC | 1.7 | 1.8 | MONTEZUMA PEAK SW |
| 22 3:53: 1 | 37.570 | 117.452 | 0.2 | 0.17 | 0.8 | 88 | AC | 2.5 | 2.0 | MONTEZUMA PEAK SW |
| 22 3:56:44 | 37.583 | 117.433 | 0.8 | 4.77 | 3.1 | 84 | BC | 1.9 | 2.0 | MONTEZUMA PEAK SW |
| 22 3:58:23 | 37.577 | 117.448 | 0.3 | 7.87 | 0.8 | 92 | AB | --- | 1.4 | MONTEZUMA PEAK SW |
| 22 3:58:46 | 37.580 | 117.427 | 0.3 | 0.70 | 1.3 | 138 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 22 4: 1:19 | 37.572 | 117.451 | 0.2 | 4.02 | 1.3 | 86 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 22 4: 3:00 | 37.572 | 117.448 | 0.2 | 1.58 | 0.7 | 105 | AC | --- | 0.9 | MONTEZUMA PEAK SW |
| 22 4: 4:52 | 37.573 | 117.444 | 0.6 | 4.28 | 4.4 | 93 | BC | --- | 1.8 | MONTEZUMA PEAK SW |
| 22 4: 9:28 | 37.577 | 117.454 | 0.3 | 0.04 | 1.0 | 88 | AC | 2.0 | 1.6 | MONTEZUMA PEAK SW |
| 22 4:12:19 | 37.572 | 117.448 | 0.3 | 4.86 | 1.8 | 85 | AC | 1.7 | 1.9 | MONTEZUMA PEAK SW |
| 22 4:14:37 | 37.586 | 117.493 | 0.2 | -0.56 | 0.3 | 103 | AC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 4:15:53 | 37.589 | 117.444 | 0.3 | 4.93 | 1.7 | 174 | AC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 4:22:50 | 37.568 | 117.448 | 0.3 | 0.12 | 0.9 | 92 | AC | 1.8 | 1.8 | MONTEZUMA PEAK SW |
| 22 4:26:07 | 37.572 | 117.458 | 0.1 | 1.87 | 0.3 | 105 | AC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 4:31: 8 | 37.572 | 117.439 | 0.6 | 4.84 | 2.8 | 83 | BC | 1.8 | 1.7 | MONTEZUMA PEAK SW |
| 22 4:33:20 | 37.568 | 117.448 | 0.2 | 2.97 | 1.5 | 92 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 22 4:35:10 | 37.570 | 117.482 | 0.3 | 5.83 | 1.3 | 93 | AC | 1.6 | 1.6 | MONTEZUMA PEAK SW |
| 22 4:42:12 | 37.576 | 117.491 | 0.3 | 5.28 | 1.3 | 92 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 22 4:47:33 | 37.574 | 117.443 | 0.2 | 1.69 | 0.5 | 84 | AC | --- | 1.5 | MONTEZUMA PEAK SW |
| 22 4:49:54 | 37.584 | 117.439 | 0.5 | 0.28 | 0.4 | 171 | AC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 4:51: 8 | 37.578 | 117.443 | 0.2 | 5.97 | 0.8 | 93 | AC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 4:52:42 | 37.571 | 117.450 | 0.3 | 2.00 | 1.0 | 85 | AC | 2.0 | 2.1 | MONTEZUMA PEAK SW |
| 22 4:54:22 | 37.574 | 117.449 | 0.2 | 2.06 | 0.5 | 92 | AC | --- | 1.7 | MONTEZUMA PEAK SW |
| 22 4:58:24 | 37.579 | 117.444 | 0.2 | -1.08 | 0.4 | 86 | AC | 2.8 | --- | MONTEZUMA PEAK SW |
| 22 5: 2:55 | 37.599 | 117.448 | 0.1 | 1.87 | 0.5 | 92 | AC | 1.6 | 1.6 | MONTEZUMA PEAK SW |
| 22 5: 5:58 | 37.580 | 117.433 | 0.4 | 0.24 | 0.9 | 84 | AC | 1.9 | 1.8 | MONTEZUMA PEAK SW |
| 22 5:10: 5 | 37.593 | 117.441 | 0.3 | 8.15 | 0.6 | 92 | AB | --- | 1.3 | MONTEZUMA PEAK SW |
| 22 5:11:58 | 37.589 | 117.447 | 0.3 | 2.10 | 0.8 | 82 | AC | 1.5 | 1.6 | MONTEZUMA PEAK SW |
| 22 5:15: 8 | 37.589 | 117.436 | 0.4 | 5.43 | 1.3 | 134 | AC | --- | 0.9 | MONTEZUMA PEAK SW |
| 22 5:16:30 | 37.574 | 117.442 | 0.2 | 3.87 | 2.8 | 132 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 22 5:23:27 | 37.574 | 117.500 | 0.7 | 6.43 | 1.3 | 217 | AD | --- | 1.1 | LIDA WASH |
| 22 5:25: 0 | 37.572 | 117.443 | 0.1 | 1.93 | 0.4 | 93 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 22 5:28:12 | 37.560 | 117.452 | 0.2 | 1.35 | 0.8 | 93 | AC | 1.9 | 1.8 | MONTEZUMA PEAK SW |
| 22 5:30:06 | 37.581 | 117.433 | 0.4 | 6.41 | 1.2 | 109 | AC | --- | 1.1 | MONTEZUMA PEAK SW |
| 22 5:40:22 | 37.577 | 117.419 | 0.8 | 7.31 | 1.7 | 142 | AC | --- | 1.1 | MONTEZUMA PEAK SW |
| 22 5:41:20 | 37.570 | 117.449 | 0.3 | 2.93 | 1.0 | 92 | AC | --- | 1.5 | MONTEZUMA PEAK SW |
| 22 6: 4:41 | 37.574 | 117.445 | 0.3 | 1.28 | 1.0 | 80 | AC | 2.4 | 2.4 | MONTEZUMA PEAK SW |
| 22 6:30:17 | 37.579 | 117.429 | 0.5 | 5.41 | 1.9 | 98 | AC | --- | 1.1 | MONTEZUMA PEAK SW |
| 22 6:49:00 | 37.571 | 117.443 | 0.2 | 0.04 | 0.2 | 88 | AC | --- | 1.5 | MONTEZUMA PEAK SW |
| 22 6:51:30 | 37.571 | 117.440 | 0.5 | 1.68 | 1.4 | 95 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 22 6:52:42 | 37.582 | 117.438 | 0.4 | 7.23 | 1.1 | 133 | AB | --- | 1.4 | MONTEZUMA PEAK SW |
| 22 6:57: 4 | 37.572 | 117.437 | 0.1 | 2.17 | 0.3 | 95 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 22 7: 0:16 | 37.575 | 117.437 | 0.4 | 0.24 | 0.7 | 83 | AC | 1.8 | 1.7 | MONTEZUMA PEAK SW |
| 22 7: 9: 3 | 37.572 | 117.444 | 0.3 | 4.08 | 2.5 | 108 | BC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 7:21:43 | 37.581 | 117.439 | 0.3 | 6.17 | 1.1 | 94 | AC | 1.6 | 1.4 | MONTEZUMA PEAK SW |
| 22 7:35:12 | 37.569 | 117.448 | 0.3 | 2.49 | 0.7 | 84 | AC | 1.7 | 2.0 | MONTEZUMA PEAK SW |
| 22 7:41:58 | 37.570 | 117.451 | 0.2 | 4.60 | 1.4 | 102 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 22 7:49: 8 | 37.576 | 117.441 | 0.3 | 0.53 | 0.5 | 82 | AC | 1.6 | 1.3 | MONTEZUMA PEAK SW |
| 22 7:56: 1 | 37.568 | 117.451 | 0.2 | 0.92 | 0.4 | 104 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 22 8:10: 5 | 37.579 | 117.447 | 0.4 | 2.21 | 1.1 | 87 | AC | 2.4 | 2.5 | MONTEZUMA PEAK SW |
| 22 8:19:34 | 37.572 | 117.439 | 0.7 | 4.28 | 4.3 | 95 | BC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 8:24:13 | 37.578 | 117.448 | 0.3 | 0.88 | 0.7 | 136 | AC | --- | 1.0 | MONTEZUMA PEAK SW |
| 22 8:39:46 | 37.569 | 117.486 | 0.8 | -1.03 | 1.6 | 104 | BC | 1.8 | --- | MONTEZUMA PEAK SW |
| 22 9:15:45 | 37.577 | 117.447 | 0.3 | -0.76 | 2.2 | 86 | BC | 1.4 | --- | MONTEZUMA PEAK SW |
| 22 9:51:32 | 37.488 | 118.524 | 7.5 | 7.90 | -2.1 | 308 | DD | 2.5 | --- | ***REGIONAL*** |
| 22 12: 0:14 | 37.568 | 117.455 | 0.3 | -0.88 | 0.8 | 104 | AC | 1.7 | --- | MONTEZUMA PEAK SW |
| 22 17:28:43 | 37.570 | 117.436 | 0.7 | 5.47 | 2.9 | 96 | BC | 1.3 | 1.4 | MONTEZUMA PEAK SW |
| 22 18: 1:18 | 37.580 | 117.424 | 0.8 | 0.11 | 1.8 | 140 | AC | --- | 1.2 | MONTEZUMA PEAK SW |
| 22 18:12:27 | 37.571 | 117.448 | 0.4 | 4.91 | 2.3 | 83 | BC | 2.1 | 1.7 | MONTEZUMA PEAK SW |
| 22 18:29: 0 | 37.569 | 117.448 | 0.3 | 4.52 | 1.7 | 93 | AC | 1.3 | 1.4 | MONTEZUMA PEAK SW |
| 22 18:32: 9 | 37.570 | 117.448 | 0.3 | 4.52 | 1.5 | 129 | AC | --- | 1.0 | MONTEZUMA PEAK SW |
| 22 18:44:52 | 37.575 | 117.445 | 1.1 | 7.88 | 2.4 | 185 | BD | --- | 1.1 | MONTEZUMA PEAK SW |
| 22 19:47:18 | 37.583 | 117.430 | 0.8 | 10.07 | 1.1 | 171 | AC | --- | 1.1 | MONTEZUMA PEAK SW |
| 22 20:37:39 | 37.569 | 117.447 | 0.3 | 2.05 | 0.9 | 92 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 22 20:38:46 | 37.572 | 117.484 | 0.5 | 7.10 | 1.3 | 189 | AD | --- | 1.8 | MONTEZUMA PEAK SW |

9075000/597

1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 22 20:54:17 | 37.575 | 117.446 | 0.4 | 4.89 | 2.7 | 91 | BC | 2.4 | 2.3 | MONTEZUMA PEAK SW |
| 22 20:58: 3 | 37.571 | 117.445 | 0.3 | 4.08 | 2.7 | 100 | BC | --- | 1.4 | MONTEZUMA PEAK SW |
| 22 22:53:13 | 37.573 | 117.455 | 0.6 | 3.02* | --- | 120 | CC | --- | 1.0 | MONTEZUMA PEAK SW |
| 22 23:10:32 | 37.569 | 117.447 | 0.2 | 2.03 | 0.8 | 92 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 22 23:42:24 | 36.871 | 116.222 | 0.3 | 0.75 | 0.5 | 199 | AB | --- | 0.5 | SKULL MTN |
| 22 23:55:52 | 37.573 | 117.428 | 0.6 | 4.95 | 3.5 | 120 | BC | --- | 1.0 | MONTEZUMA PEAK SW |
| 23 0:20:34 | 37.582 | 117.408 | 1.2 | 10.54 | 2.4 | 148 | BC | --- | 1.2 | MONTEZUMA PEAK SW |
| 23 1: 0:39 | 37.574 | 117.460 | 0.5 | 7.45 | 1.1 | 194 | AD | --- | 1.1 | MONTEZUMA PEAK SW |
| 23 1: 1:48 | 37.572 | 117.459 | 0.7 | 5.37 | 1.7 | 192 | AD | --- | 1.0 | MONTEZUMA PEAK SW |
| 23 1: 3:13 | 36.575 | 115.909 | 0.2 | 12.60 | 0.5 | 100 | AB | --- | 0.9 | MERCURY SW |
| 23 1:36:48 | 37.570 | 117.447 | 0.3 | 2.04 | 0.7 | 92 | AC | --- | 1.1 | MONTEZUMA PEAK SW |
| 23 2: 2:43 | 37.570 | 117.463 | 0.6 | 5.04 | 1.8 | 194 | AD | --- | 0.8 | MONTEZUMA PEAK SW |
| 23 2:23:37 | 37.568 | 117.448 | 0.3 | 2.99 | 1.9 | 101 | AC | 1.3 | 1.5 | MONTEZUMA PEAK SW |
| 23 2:54:38 | 37.568 | 117.458 | 1.0 | 1.59 | 4.2 | 191 | BD | --- | 0.9 | MONTEZUMA PEAK SW |
| 23 2:59:46 | 37.571 | 117.453 | 0.7 | 5.06 | 2.4 | 188 | BD | --- | 0.9 | MONTEZUMA PEAK SW |
| 23 3:20:51 | 37.568 | 117.458 | 0.3 | 1.81 | 0.7 | 101 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 23 4:38:17 | 37.568 | 117.445 | 0.2 | 1.73 | 0.6 | 99 | AC | 1.3 | 1.4 | MONTEZUMA PEAK SW |
| 23 8:20:29 | 37.568 | 117.448 | 0.9 | 4.28 | 5.0 | 188 | BD | --- | 1.1 | MONTEZUMA PEAK SW |
| 23 8:44:48 | 37.349 | 117.713 | 0.3 | 0.83 | 0.5 | 141 | AC | 2.0 | 2.1 | MAGRUDER MTN |
| 23 10:14:47 | 37.686 | 115.020 | 0.5 | 1.61 | 1.6 | 119 | AB | --- | 1.0 | HIKO NE |
| 23 13:13:59 | 37.571 | 117.441 | 0.4 | 5.01 | 2.6 | 91 | BC | 2.3 | 2.2 | MONTEZUMA PEAK SW |
| 23 14:34:13 | 37.570 | 117.457 | 0.3 | 0.58 | 0.7 | 190 | AD | --- | 1.0 | MONTEZUMA PEAK SW |
| 23 15: 0:59 | 37.569 | 117.452 | 0.4 | 5.50 | 1.4 | 187 | AD | --- | 1.3 | MONTEZUMA PEAK SW |
| 23 15: 7:45 | 37.575 | 117.421 | 0.4 | 6.21 | 1.5 | 124 | AC | --- | 1.[illegible] | MONTEZUMA PEAK SW |
| 23 15:49:46 | 37.574 | 117.442 | 0.3 | 2.34 | 0.8 | 84 | AC | 2.1 | 1.7 | MONTEZUMA PEAK SW |
| 23 15:58: 8 | 37.569 | 117.445 | 0.1 | 6.12 | 0.6 | 188 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 23 16: 4: 3 | 37.573 | 117.442 | 0.4 | 1.88 | 1.1 | 84 | AC | 1.9 | 1.8 | MONTEZUMA PEAK SW |
| 23 16:18:24 | 37.570 | 117.452 | 0.5 | 5.41 | 1.4 | 188 | AD | --- | 1.1 | MONTEZUMA PEAK SW |
| 23 17:44:15 | 37.567 | 117.447 | 0.3 | 2.38 | 0.6 | 100 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 23 22:41: 5 | 37.229 | 117.591 | 0.4 | 2.07 | 0.7 | 159 | AC | --- | 0.9 | LAST CHANCE RANGE |
| 23 23:45:39 | 37.239 | 117.587 | 0.4 | 1.46 | 1.1 | 103 | AB | --- | 1.5 | LAST CHANCE RANGE |
| 23 23:47:36 | 37.233 | 117.588 | 0.4 | 1.88 | 0.7 | 111 | AB | --- | 1.1 | LAST CHANCE RANGE |
| 24 4:19:32 | 37.232 | 117.589 | 0.5 | 1.80 | 0.8 | 153 | AC | --- | 1.1 | LAST CHANCE RANGE |
| 24 6:46:35 | 37.344 | 117.744 | 0.3 | -0.09 | 0.4 | 149 | AC | 2.1 | 2.0 | MAGRUDER MTN |
| 24 7:31:20 | 37.567 | 117.442 | 0.4 | 1.53 | 1.2 | 92 | AC | --- | 1.3 | MONTEZUMA PEAK SW |
| 24 8:14:5[illegible] | 37.216 | 117.597 | 0.3 | 5.00 | 0.5 | 136 | AC | 2.2 | 2.5 | LAST CHANCE RANGE |
| 24 8:46:46 | 37.233 | 117.591 | 0.4 | 2.29 | 0.6 | 112 | AB | --- | 1.3 | LAST CHANCE RANGE |
| 24 8:58:41 | 37.223 | 117.595 | 0.4 | -0.71 | 0.3 | 107 | BC | --- | 1.0 | LAST CHANCE RANGE |
| 24 9: 2:15 | 37.236 | 117.605 | 1.2 | 5.76 | 2.2 | 148 | BC | --- | 0.5 | LAST CHANCE RANGE |
| 24 9:41:54 | 37.236 | 117.592 | 0.6 | 1.95 | 1.2 | 135 | AC | 1.5 | 1.5 | LAST CHANCE RANGE |
| 24 11:50:57 | 37.219 | 117.599 | 0.3 | 5.20 | 0.7 | 132 | AB | 1.9 | 1.6 | LAST CHANCE RANGE |
| 24 11:52:21 | 37.231 | 117.599 | 0.8 | 4.12 | 0.8 | 144 | AC | 1.5 | 1.4 | LAST CHANCE RANGE |
| 24 11:54: 2 | 37.235 | 117.595 | 0.6 | -0.88 | 0.4 | 149 | AC | --- | 1.0 | LAST CHANCE RANGE |
| 24 12:16: 1 | 37.235 | 117.592 | 0.4 | 2.19 | 0.9 | 108 | AB | 1.1 | 1.0 | LAST CHANCE RANGE |
| 24 12:19:32 | 37.236 | 117.588 | 0.8 | 1.48 | 1.5 | 148 | AC | --- | 1.0 | LAST CHANCE RANGE |
| 24 12:37: 0 | 37.224 | 117.594 | 0.3 | 4.83 | 0.7 | 123 | AB | 1.9 | 1.5 | LAST CHANCE RANGE |
| 24 13:34:44 | 37.229 | 117.583 | 0.4 | 0.13 | 0.2 | 156 | AC | --- | 0.9 | LAST CHANCE RANGE |
| 24 13:36: 6 | 37.219 | 117.595 | 0.4 | 4.77 | 0.8 | 131 | AB | 2.0 | 2.2 | LAST CHANCE RANGE |
| 24 14:49:25 | 37.246 | 117.581 | 0.2 | -0.01 | 0.2 | 136 | AC | --- | 0.8 | LAST CHANCE RANGE |
| 24 15:23:23 | 37.236 | 117.585 | 0.6 | 1.90 | 0.9 | 148 | AC | --- | 0.7 | LAST CHANCE RANGE |
| 24 15:53:30 | 37.219 | 117.594 | 0.3 | 5.17 | 0.7 | 130 | AB | 2.0 | 1.8 | LAST CHANCE RANGE |
| 24 16:12:14 | 37.247 | 117.583 | 0.3 | 0.18 | 0.2 | 136 | AC | --- | 0.8 | LAST CHANCE RANGE |
| 24 16:24:39 | 37.243 | 117.579 | 0.4 | -0.06 | 0.3 | 140 | AC | --- | 0.8 | LAST CHANCE RANGE |
| 24 16:32:22 | 37.240 | 117.574 | 0.5 | -0.06 | 0.4 | 144 | AC | --- | 0.9 | LAST CHANCE RANGE |
| 24 17:27:59 | 37.230 | 117.591 | 0.4 | 4.00 | 1.2 | 119 | AB | --- | 1.0 | LAST CHANCE RANGE |
| 24 18:39:35 | 37.214 | 117.602 | 0.4 | -0.14 | 0.7 | 107 | AC | 1.0 | --- | LAST CHANCE RANGE |
| 24 21:16:19 | 37.219 | 117.608 | 1.6 | 4.00 | 2.8 | 138 | BC | 1.0 | --- | LAST CHANCE RANGE |
| 25 19:43:11 | 37.350 | 117.712 | 0.2 | 0.52 | 0.3 | 140 | AC | --- | 1.5 | MAGRUDER MTN |
| 26 14: 8:36 | 37.238 | 115.814 | 2.0 | 7.98 | 3.4 | 212 | BD | 1.3 | 1.0 | LOWER PAHRANAGAT LAKE |
| 27 7: 1: 9 | 37.311 | 117.617 | 0.2 | 3.60 | 1.5 | 100 | AB | --- | 1.0 | MAGRUDER MTN |
| 27 7: 2:23 | 37.316 | 117.621 | 0.2 | 1.60 | 0.4 | 103 | AB | --- | 1.0 | MAGRUDER MTN |
| 28 8:55:27 | 37.249 | 115.335 | 0.9 | 10.70 | 2.1 | 141 | BC | --- | 1.5 | DESERT HILLS NE |
| 29 1:56:19 | 36.730 | 116.020 | 0.2 | 3.15* | --- | 107 | CC | --- | 1.0 | CAMP DESERT ROCK |
| 29 5:22:40 | 37.689 | 115.028 | 0.3 | 1.71 | 0.9 | 119 | AB | --- | 0.8 | HIKO NE |
| 29 11:11:21 | 37.684 | 115.032 | 0.3 | -0.72 | 0.3 | 117 | AB | --- | 1.0 | HIKO NE |
| 29 17: 2:15 | 37.164 | 116.938 | 0.7 | 4.19 | 5.0 | 254 | BD | --- | 0.9 | SPRINGDALE |

9075000/590

1985 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG 29 | 20:17:49 | 36.958 | 116.368 | 0.1 | 4.73 | 1.1 | 135 | AD | --- | 0.3 | TOPOPAH SPRING |
| 30 | 1:34:53 | 37.219 | 117.591 | 0.5 | 4.50 | 0.9 | 171 | AC | --- | 0.9 | LAST CHANCE RANGE |
| 30 | 20:43:35 | 36.695 | 116.293 | 0.8 | 7.23 | 0.4 | 184 | AD | --- | 0.6 | STRIPED HILLS |
| 30 | 22:49:51 | 36.758 | 116.286 | 0.2 | 0.15 | 0.4 | 148 | AC | --- | 0.6 | SKULL MTN |
| SEP 1 | 3:13:11 | 37.173 | 115.889 | 1.4 | 2.79 | 1.2 | 204 | BD | 1.7 | --- | LOWER PAHRANAGAT LAKE |
| 1 | 11: 3: 8 | 36.717 | 116.282 | 0.5 | 2.24 | 1.4 | 85 | BB | 1.7 | --- | SPECTER RANGE NW |
| 2 | 18:14:54 | 37.356 | 117.744 | 0.3 | 0.38 | 0.5 | 144 | AC | --- | 1.4 | MAGRUDER MTN |
| 2 | 19:45: 8 | 37.169 | 118.848 | 1.3 | 11.55 | 2.8 | 249 | BD | --- | 0.2 | ***REGIONAL*** |
| 3 | 14:49:43 | 37.073 | 116.298 | 0.2 | 5.48 | 0.4 | 111 | AB | --- | 0.4 | BUCKBOARD MESA |
| 4 | 18:31:37 | 36.701 | 116.287 | 0.2 | 6.86 | 0.3 | 118 | AB | --- | 0.7 | STRIPED HILLS |
| 4 | 20: 0: 3 | 36.703 | 116.278 | 0.3 | 7.35 | 0.3 | 123 | AB | --- | 0.6 | STRIPED HILLS |
| 5 | 18:14: 7 | 36.841 | 117.474 | 0.5 | 9.47 | 0.7 | 183 | AD | --- | 1.4 | TIN MTN |
| 6 | 2: 4:58 | 37.180 | 116.888 | 0.3 | 1.77 | 0.6 | 144 | AC | --- | 0.9 | THIRSTY CANYON NW |
| 6 | 4:11:20 | 37.873 | 117.488 | 0.3 | 7.03 | 0.8 | 192 | AD | --- | 1.1 | MONTEZUMA PEAK SW |
| 6 | 10:38:25 | 36.604 | 116.413 | 0.6 | 6.07 | 0.9 | 214 | AD | 1.2 | 0.4 | LATHROP WELLS SW |
| 7 | 14:38:58 | 36.737 | 117.292 | 0.3 | 11.88 | 0.8 | 132 | AB | 2.2 | 2.8 | MARBLE CANYON |
| 9 | 6:34: 7 | 37.258 | 115.887 | 0.4 | 5.54 | 1.8 | 158 | AC | 1.9 | --- | ALAMO SE |
| 9 | 22:11:20 | 37.578 | 117.433 | 0.7 | 10.27 | 1.5 | 134 | AB | --- | 1.4 | MONTEZUMA PEAK SW |
| 9 | 22:12:49 | 37.587 | 117.449 | 0.1 | 0.70 | 0.5 | 129 | AC | --- | 1.4 | MONTEZUMA PEAK SW |
| 10 | 9: 7:19 | 36.747 | 116.659 | 0.9 | 10.90 | 1.7 | 110 | AB | 1.1 | --- | BIG DUNE |
| 10 | 15:16:58 | 37.145 | 116.389 | 0.2 | 10.55 | 0.4 | 91 | AB | --- | 0.9 | SCRUGHAM PEAK |
| 12 | 5: 9:16 | 37.342 | 116.345 | 0.2 | 5.75 | 1.2 | 99 | AC | 1.7 | 1.2 | DEAD HORSE FLAT |
| 13 | 2: 9: 5 | 37.618 | 117.408 | 0.4 | 6.39 | 1.1 | 118 | AB | --- | 0.9 | MONTEZUMA PEAK SW |
| 13 | 13:33: 5 | 36.444 | 116.260 | 1.4 | 3.88* | --- | 329 | CD | --- | 0.7 | ASH MEADOWS |
| 13 | 14:39:53 | 37.488 | 116.737 | 0.3 | 11.33 | 3.0 | 156 | BC | --- | 1.3 | BLACK MTN NW |
| 13 | 14:40:47 | 37.455 | 116.750 | 0.5 | 15.22 | 2.4 | 157 | BC | --- | 1.0 | TOLICHA PEAK |
| 13 | 20:22:30 | 37.131 | 118.872 | 0.3 | -0.89 | 0.4 | 111 | AC | 1.8 | 1.1 | SPRINGDALE |
| 14 | 5: 0:20 | 37.119 | 117.119 | 0.2 | 5.77 | 1.7 | 98 | AC | 1.9 | 1.3 | BONNIE CLAIRE SE |
| 14 | 17:53: 2 | 36.809 | 115.971 | 0.6 | 7.11 | 1.1 | 213 | AD | --- | 0.6 | PLUTONIUM VALLEY |
| 14 | 23:26: 2 | 37.333 | 116.853 | 0.3 | 5.99 | 2.2 | 123 | BC | --- | 1.0 | OAK SPRING BUTTE |
| 15 | 18:52:12 | 36.738 | 115.865 | 0.3 | 5.78 | 2.7 | 87 | BC | 1.9 | --- | HEAVENS BELL |
| 15 | 12:53:15 | 36.586 | 115.824 | 1.9 | 0.70 | 1.8 | 245 | BD | 2.8 | --- | HAYFORD PEAK |
| 16 | 5:45:57 | 37.167 | 117.484 | 0.2 | -0.23 | 0.9 | 128 | AC | 1.4 | 1.1 | UBEHEBE CRATER |
| 16 | 6:56:14 | 36.478 | 117.018 | 1.3 | 2.84 | 3.2 | 242 | BD | --- | 1.0 | EMIGRANT CANYON |
| 16 | 8:31:45 | 37.051 | 116.474 | 1.4 | 7.16 | 1.4 | 288 | BD | 1.3 | 0.3 | TIMBER MTN |
| 16 | 18:36:38 | 36.448 | 116.758 | 0.3 | 9.15 | 1.8 | 112 | AC | --- | 1.7 | FURNACE CREEK |
| 16 | 19:11:19 | 38.009 | 115.928 | 0.3 | 8.36 | 2.2 | 157 | BC | --- | 1.0 | QUINN CANYON RANGE |
| 16 | 21:58:23 | 36.418 | 117.889 | 0.2 | 6.37 | 3.1 | 151 | BC | --- | 1.3 | EMIGRANT CANYON |
| 17 | 5:23:21 | 36.893 | 115.988 | 0.2 | 5.80 | 1.2 | 155 | AC | 1.6 | 1.6 | PLUTONIUM VALLEY |
| 17 | 6:35:26 | 37.148 | 118.883 | 0.5 | 6.83 | 2.4 | 195 | BD | 1.5 | 0.8 | SPRINGDALE |
| 17 | 11:17:28 | 36.792 | 116.018 | 0.8 | 3.85 | 3.5 | 257 | BD | 1.3 | 1.2 | CANE SPRING |
| 17 | 18: 7:29 | 36.878 | 116.814 | 1.1 | 3.45* | --- | 337 | CD | --- | 0.7 | BULLFROG |
| 19 | 8:38:58 | 37.386 | 117.273 | 0.3 | 6.26 | 0.3 | 185 | AB | 1.6 | 1.1 | GOLD POINT |
| 20 | 13:49:37 | 37.153 | 116.288 | 0.2 | 6.88 | 0.3 | 183 | AB | --- | 1.1 | AMMONIA TANKS |
| 21 | 21:29:56 | 36.699 | 116.314 | 0.2 | 0.18 | 0.2 | 188 | AB | --- | 0.2 | STRIPED HILLS |
| 23 | 13:14: 5 | 36.725 | 115.818 | 0.4 | 8.91 | 0.4 | 211 | AD | --- | 1.3 | MERCURY NE |
| 24 | 18: 1:16 | 37.183 | 117.398 | 0.2 | -0.02 | 0.3 | 103 | AC | 1.8 | 1.8 | UBEHEBE CRATER |
| 25 | 1:27:45 | 37.157 | 116.267 | 0.3 | 3.89 | 1.1 | 87 | AB | --- | 1.0 | AMMONIA TANKS |
| 26 | 8:32:28 | 36.802 | 116.032 | 0.8 | 2.54 | 0.7 | 303 | AD | --- | 0.7 | CANE SPRING |
| 26 | 13:47:59 | 37.117 | 117.302 | 0.3 | 0.32 | 0.5 | 96 | AC | --- | 1.6 | UBEHEBE CRATER |
| 27 | 0:48:40 | 37.095 | 115.022 | 0.3 | 4.42 | 1.4 | 123 | AB | --- | 0.2 | HIKO NE |
| 27 | 4:41:29 | 37.141 | 116.018 | 0.4 | 7.58 | 1.0 | 203 | AD | 1.7 | 0.9 | OAK SPRING |
| 27 | 8:48:26 | 37.142 | 116.018 | 0.4 | 6.90 | 0.8 | 202 | AD | 1.3 | 1.0 | OAK SPRING |
| 28 | 3:14: 2 | 36.812 | 116.037 | 0.2 | 0.27 | 0.3 | 120 | AC | 1.7 | 1.2 | CANE SPRING |
| 28 | 17:51:39 | 37.011 | 116.150 | 0.2 | 1.58 | 0.7 | 110 | AB | 1.7 | 1.7 | TIPPIPAH SPRING |
| 28 | 21: 1:51 | 37.275 | 116.214 | 0.2 | 9.28 | 0.6 | 96 | AB | 1.9 | 1.7 | QUARTET DOME |
| 28 | 21: 3:13 | 37.278 | 116.218 | 0.3 | 9.84 | 0.4 | 241 | AD | --- | 0.9 | QUARTET DOME |
| 28 | 21:11:49 | 37.281 | 116.218 | 0.2 | 7.32 | 0.5 | 36 | AB | --- | 2.5 | QUARTET DOME |
| 28 | 21:13:16 | 36.753 | 116.160 | 80.7 | 7.00* | --- | 219 | DD | --- | 2.6 | SKULL MTN |
| 28 | 21:18:58 | 37.279 | 116.218 | 0.2 | 9.39 | 0.7 | 108 | AB | --- | 1.9 | QUARTET DOME |
| 28 | 21:21:44 | 37.275 | 116.218 | 0.2 | 0.41 | 0.7 | 108 | AB | 1.6 | 1.6 | QUARTET DOME |
| 28 | 21:55: 0 | 37.280 | 116.215 | 0.1 | 9.30 | 0.5 | 97 | AB | 1.8 | 1.4 | QUARTET DOME |
| 28 | 22:24:51 | 37.282 | 116.218 | 0.2 | 5.91 | 1.2 | 108 | AC | --- | 0.9 | QUARTET DOME |
| 29 | 1:59: 8 | 37.278 | 116.213 | 0.2 | 7.03 | 0.6 | 97 | AB | 1.6 | 1.3 | QUARTET DOME |
| 29 | 18:54:14 | 37.272 | 116.214 | 0.3 | 6.80 | 0.6 | 202 | AD | 1.6 | 1.2 | QUARTET DOME |
| 29 | 15:59:39 | 36.892 | 116.258 | 0.7 | 1.88 | 0.9 | 248 | AD | --- | 0.6 | STRIPED HILLS |

9075900/599

## 1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| SEP 29 16:49: 5 | 37.278 | 116.213 | 0.2 | 9.30 | 0.6 | 97 | AB | 1.8 | 1.9 | QUARTET DOME |
| 30 2:52: 4 | 36.880 | 116.002 | 0.4 | 7.25 | 0.8 | 240 | AD | --- | 0.9 | YUCCA LAKE |
| 30 23:11: 0 | 36.597 | 115.846 | 0.3 | 10.00 | 0.6 | 126 | AB | 1.3 | 1.1 | MERCURY SE |
| OCT 1 20:56:29 | 37.700 | 115.017 | 0.3 | 3.70 | 2.0 | 126 | BB | 1.8 | --- | NIKO NE |
| 2 6: 3:32 | 37.285 | 116.218 | 0.4 | 9.32 | 0.6 | 208 | AD | --- | 0.9 | QUARTET DOME |
| 2 11: 1:53 | 37.183 | 117.389 | 0.4 | 5.88 | 2.1 | 159 | BC | --- | 1.2 | UBEHEBE CRATER |
| 2 18:10:22 | 37.810 | 116.140 | 0.3 | 3.90 | 1.5 | 110 | AB | --- | 1.5 | TIPPIPAH SPRING |
| 2 19:27: 3 | 37.874 | 117.022 | 0.3 | 0.29 | 2.6 | 101 | BC | --- | 1.2 | LIDA WASH |
| 2 19:44:39 | 38.459 | 115.749 | 1.2 | 1.35 | 1.5 | 249 | BD | 2.7 | 2.7 | TROY CANYON |
| 3 4:42: 5 | 36.815 | 116.001 | 0.4 | 0.10 | 0.3 | 188 | AB | --- | 0.7 | CANE SPRING |
| 3 9:55:25 | 36.804 | 116.047 | 0.1 | 0.72 | 0.8 | 86 | AC | --- | 1.3 | SPECTER RANGE SE |
| 3 12:32:23 | 36.748 | 116.211 | 0.4 | 3.70 | 0.6 | 207 | AD | 1.2 | 0.3 | SPECTER RANGE NW |
| 4 1:37:26 | 36.784 | 116.410 | 2.5 | 0.04 | 0.6 | 213 | CD | --- | 0.1 | TOPOPAH SPRING SW |
| 6 3:44: 0 | 37.484 | 116.362 | 0.3 | 8.99 | 1.7 | 128 | AC | --- | 1.0 | SILENT CANYON NE |
| 6 9: 2:55 | 37.286 | 116.029 | 0.2 | 4.67 | 0.8 | 87 | AB | --- | 1.1 | OAK SPRING BUTTE |
| 6 13:10:51 | 37.249 | 115.995 | 0.4 | 7.87 | 1.0 | 192 | AD | 1.7 | 1.0 | JANGLE RIDGE |
| 7 11:24:43 | 37.237 | 114.996 | 0.5 | 7.12 | 1.5 | 161 | AC | 1.8 | 1.7 | DELAMAR 3 NW |
| 7 22:11:49 | 37.246 | 115.048 | 0.7 | 6.87 | 1.1 | 261 | AD | --- | 1.5 | LOWER PAHRANAGAT LAKE |
| 8 8:15:49 | 37.896 | 115.021 | 0.2 | 1.88 | 0.6 | 123 | AB | --- | 1.1 | NIKO NE |
| 8 8:28:53 | 36.882 | 115.964 | 0.2 | 0.26 | 2.4 | 194 | BC | --- | 0.8 | PLUTONIUM VALLEY |
| 9 20:40: 0 | 37.283 | 116.200 | 0.7 | 4.16 | 3.2 | 186 | BC | --- | 0.2 | RAINIER MESA |
| 10 8:42:41 | 36.694 | 116.314 | 0.2 | 0.95 | 0.4 | 43 | AA | 1.6 | 1.7 | TOPOPAH SPRING |
| 10 11:17:21 | 36.892 | 116.329 | 0.2 | 0.59 | 0.8 | 52 | AB | 1.3 | 1.0 | TOPOPAH SPRING |
| 11 8:18:27 | 35.644 | 116.288 | 1.0 | 10.22 | 0.8 | 287 | AD | --- | 1.9 | AVAWATZ PASS |
| 11 3:51: 6 | 37.427 | 115.001 | 0.5 | 0.44 | 6.2 | 161 | AC | --- | 1.1 | ALAMO NE |
| 11 5:39:00 | 36.897 | 116.783 | 1.3 | 36.04 | 0.9 | 319 | BD | --- | 1.2 | BULLFROG |
| 11 11:13:37 | 36.917 | 116.726 | 0.3 | 1.71 | 0.9 | 98 | AC | 1.3 | 1.1 | BARE MTN |
| 12 4:36:43 | 36.701 | 116.434 | 0.9 | 9.23 | 0.9 | 282 | AD | --- | 0.5 | LATHROP WELLS NW |
| 13 6: 7:56 | 36.810 | 115.918 | 0.3 | 0.64 | 0.4 | 155 | AC | --- | 1.4 | FRENCHMAN FLAT |
| 13 9:33:11 | 37.507 | 115.102 | 0.2 | 7.00 | 0.8 | 86 | AB | 2.1 | 2.0 | NIKO SE |
| 13 9:36:20 | 36.803 | 115.988 | 0.3 | 6.28 | 1.2 | 157 | AC | --- | 0.9 | FRENCHMAN FLAT |
| 14 4:41:34 | 37.259 | 115.177 | 0.4 | 4.67 | 1.7 | 140 | AC | --- | 1.0 | ALAMO |
| 14 17: 7:30 | 37.441 | 115.421 | 0.1 | 1.41 | 1.0 | 97 | AC | 1.6 | 1.7 | CRESCENT RESERVOIR |
| 17 16: 8:25 | 37.159 | 117.402 | 0.2 | 0.04 | 0.9 | 128 | AC | --- | 1.2 | UBEHEBE CRATER |
| 19 22:48:56 | 37.478 | 116.064 | 0.2 | 6.37 | 0.4 | 59 | AA | 1.8 | 1.2 | WHEELBARROW PEAK NE |
| 22 22:35: 5 | 36.972 | 116.451 | 0.9 | 16.35 | 1.0 | 229 | AD | --- | 1.0 | TOPOPAH SPRING NW |
| 23 23:36:37 | 37.303 | 116.341 | 0.2 | 7.26 | 1.8 | 161 | AC | --- | 0.8 | DEAD HORSE FLAT |
| 24 23:26: 1 | 37.665 | 114.877 | 0.3 | 8.81 | 0.9 | 153 | AC | 1.6 | 1.6 | PAHAOC SPRING |
| 26 0: 2:36 | 36.649 | 116.266 | 0.2 | 5.76 | 0.6 | 66 | AB | 1.6 | 1.4 | STRIPED HILLS |
| 27 9: 3:37 | 37.303 | 117.633 | 0.2 | 0.50 | 0.4 | 110 | AB | --- | 1.5 | MAGRUDER MTN |
| 27 13:57:00 | 37.507 | 115.105 | 0.3 | 6.48 | 1.1 | 85 | AB | 1.8 | 1.9 | NIKO SE |
| 28 0:11:30 | 37.385 | 117.632 | 0.3 | 4.29 | 1.4 | 199 | AB | --- | 1.6 | MAGRUDER MTN |
| 28 0:12:08 | 37.381 | 117.632 | 0.3 | 5.24 | 0.8 | 189 | AB | 1.8 | 1.4 | MAGRUDER MTN |
| 28 4: 4:57 | 36.993 | 117.536 | 0.5 | 2.17 | 1.3 | 174 | AC | --- | 1.5 | DRY MTN |
| 28 8:49:44 | 37.264 | 114.828 | 0.4 | 2.33 | 2.2 | 281 | BD | --- | 1.9 | GREGERSON BASIN |
| 29 0:59:44 | 36.660 | 116.251 | 0.2 | 5.01 | 0.8 | 187 | AB | 1.4 | 1.5 | STRIPED HILLS |
| 30 19:10:42 | 37.918 | 116.100 | 0.3 | 4.84 | 4.8 | 121 | BC | 1.9 | 2.0 | REVEILLE PEAK |
| 30 20:24:22 | 37.570 | 117.730 | 0.3 | 7.20 | 1.5 | 117 | AC | --- | 1.1 | LIDA WASH |
| 31 13: 8:48 | 36.838 | 115.947 | 0.6 | 8.86 | 1.6 | 191 | AD | 1.6 | 1.8 | FRENCHMAN FLAT |
| NOV 1 11:56: 2 | 37.888 | 117.409 | 0.6 | 5.71 | 3.2 | 128 | BB | 1.5 | 2.1 | UBEHEBE CRATER |
| 2 9: 2:54 | 36.638 | 116.384 | 0.3 | 4.10 | 0.8 | 99 | AB | 1.2 | 1.1 | LATHROP WELLS NW |
| 3 3:40:57 | 37.051 | 116.954 | 0.2 | 7.00** | 2.4 | 94 | BC | 1.9 | 1.6 | SPRINGDALE |
| 3 3:49:10 | 37.052 | 116.954 | 0.2 | 12.20 | 0.9 | 146 | AC | 1.7 | 1.5 | SPRINGDALE |
| 3 4:34:30 | 37.230 | 114.888 | 0.6 | 2.85 | 2.2 | 217 | BD | 1.6 | 1.2 | DELAMAR 3 NW |
| 5 8:46:11 | 37.322 | 114.989 | 0.4 | 0.99 | 8.4 | 168 | AC | --- | 1.6 | DELAMAR LAKE |
| 7 13:47:45 | 36.715 | 116.283 | 0.3 | 2.09 | 8.6 | 126 | AB | 1.0 | --- | STRIPED HILLS |
| 8 8:10:58 | 36.650 | 116.283 | 0.3 | 0.77 | 0.8 | 128 | AB | 1.2 | 0.5 | STRIPED HILLS |
| 8 18:45:36 | 37.108 | 114.867 | 0.8 | 7.30 | 4.4 | 189 | BD | 2.1 | 2.3 | DELAMAR 3 SE |
| 9 14:46:58 | 37.348 | 117.747 | 0.4 | -0.30 | 0.6 | 148 | AC | --- | 1.8 | MAGRUDER MTN |
| 10 15:48: 5 | 37.389 | 115.412 | 0.2 | 0.77 | 0.4 | 80 | AC | 1.9 | 1.8 | CUTLER RESERVOIR |
| 11 17:48:46 | 37.219 | 115.940 | 1.2 | 5.82 | 2.0 | 289 | BD | --- | 1.7 | JANGLE RIDGE |
| 11 20:31:47 | 37.245 | 115.087 | 0.3 | -0.91 | 8.5 | 123 | BC | 1.9 | 1.8 | DESERT HILLS NW |
| 12 0:50:32 | 37.078 | 116.221 | 0.3 | 4.05 | 0.9 | 56 | BA | 1.9 | 2.0 | TIPPIPAH SPRING |
| 12 4:13:43 | 37.081 | 116.218 | 0.2 | 4.38 | 0.9 | 117 | AB | 1.6 | 1.3 | TIPPIPAH SPRING |
| 12 17:34: 1 | 36.751 | 115.886 | 0.8 | 7.23 | 6.9 | 284 | CD | --- | 0.2 | FRENCHMAN LAKE SE |
| 13 18:36:28 | 36.806 | 116.031 | 0.6 | 3.80 | 3.2 | 317 | BD | 1.3 | 0.9 | CANE SPRING |

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## 1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | dd | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| NOV 15 18:51 5[illegible] | 36.416 | 115.474 | 0.5 | 11.49 | 1.0 | 153 | AC | 2.0 | 1.7 | CORN CREEK SPRINGS NW |
| 16 1:54:41 | 37.201 | 117.379 | 0.3 | 4.34 | 2.3 | 107 | BC | 1.2 | --- | UBEHEBE CRATER |
| 16 8: 9:46 | 37.297 | 116.932 | 2.2 | -0.03 | 6.5 | 94 | DD | 2.0 | --- | TRAIL RIDGE |
| 16 8:25:21 | 37.302 | 116.454 | 0.9 | -0.22 | 4.3 | 122 | BC | 2.0 | --- | SILENT BUTTE |
| 16 8:53:12 | 37.291 | 116.579 | 1.6 | -0.09 | 2.2 | 111 | CB | 1.8 | --- | TRAIL RIDGE |
| 16 8:53:12 | 37.302 | 116.557 | 2.3 | -0.94• | --- | 108 | DB | 1.8 | --- | TRAIL RIDGE |
| 16 8:55:30 | 37.307 | 116.480 | 0.7 | -1.12 | 4.1 | 101 | BC | 1.7 | --- | SILENT BUTTE |
| 16 9:21:55 | 37.312 | 116.467 | 1.5 | -0.94• | --- | 121 | CD | 1.6 | --- | SILENT BUTTE |
| 16 9:38:18 | 37.456 | 116.397 | 1.5 | 9.48 | 3.9 | 297 | BD | 1.7 | --- | SILENT CANYON NW |
| 16 12: 6:51 | 36.165 | 114.728 | 10.9 | 7.05 | 5.7 | 286 | DD | 2.3 | --- | HOOVER DAM |
| 16 14:42:23 | 37.293 | 116.467 | 1.0 | -0.24 | 5.7 | 174 | CC | 2.0 | --- | SILENT BUTTE |
| 17 21:56:19 | 37.302 | 116.349 | 0.2 | 3.38• | --- | 153 | CC | 1.9 | 1.6 | DEAD HORSE FLAT |
| 19 17:31:12 | 36.411 | 115.474 | 0.6 | 12.09 | 1.1 | 158 | AC | --- | 1.7 | CORN CREEK SPRINGS NW |
| 20 14: 5:19 | 36.795 | 115.942 | 0.6 | 3.92 | 4.7 | 198 | BD | --- | 1.0 | FRENCHMAN FLAT |
| 21 9:53:39 | 37.417 | 117.281 | 0.5 | 4.33 | 2.6 | 128 | BC | --- | 1.2 | MOUNT JACKSON |
| 21 17:10: 0 | 36.999 | 116.399 | 0.3 | 8.53 | 0.4 | 162 | AC | --- | 0.8 | TOPOPAH SPRING NW |
| 22 3:47: 7 | 36.899 | 115.974 | 0.2 | 8.87 | 1.0 | 154 | AC | 1.7 | 1.6 | PLUTONIUM VALLEY |
| 22 18:43:19 | 36.819 | 116.014 | 1.1 | 8.49 | 2.3 | 217 | BD | 1.4 | 1.1 | CANE SPRING |
| 22 20:27:31 | 36.866 | 116.046 | 0.2 | 1.90 | 0.5 | 117 | AC | --- | 1.0 | CANE SPRING |
| 22 22:10:48 | 36.168 | 117.184 | 0.8 | 2.61 | 1.9 | 214 | AD | 2.2 | 1.8 | TELESCOPE PEAK |
| 23 19: 4: 8 | 36.868 | 116.716 | 0.4 | 6.67•• | 2.3 | 167 | BC | 1.3 | 0.9 | BARE MTN |
| 24 11:11: 9 | 36.819 | 116.143 | 0.4 | 4.72 | 0.5 | 269 | AD | --- | 0.5 | SKULL MTN |
| 24 12:59:34 | 37.319 | 116.442 | 0.2 | 5.36 | 4.8 | 184 | AC | 1.6 | 1.2 | SILENT BUTTE |
| 24 18:59:46 | 36.982 | 116.747 | 0.7 | 0.63•• | 0.8 | 265 | AD | 1.3 | 1.1 | BARE MTN |
| 25 4:13:27 | 37.286 | 115.194 | 0.8 | 5.40 | 4.0 | 128 | BC | --- | 1.4 | ALAMO |
| 25 14:51:49 | 36.819 | 116.034 | 0.2 | -0.11 | 0.4 | 157 | AC | --- | 1.0 | CANE SPRING |
| 25 22:50:59 | 36.898 | 116.700 | 1.2 | 5.03•• | 4.9 | 228 | BD | --- | 0.6 | BARE MTN |
| 26 7:56:44 | 37.303 | 116.582 | -0.2 | 1.90 | 0.7 | 79 | AC | 1.7 | 1.1 | TRAIL RIDGE |
| 26 13:28:18 | 37.077 | 116.799 | 1.4 | 3.23• | --- | 329 | CD | --- | 1.0 | SPRINGDALE |
| 26 18: 1:44 | 37.300 | 116.501 | 0.3 | 4.52 | 1.9 | 53 | AC | 1.6 | 1.6 | TRAIL RIDGE |
| 26 16:57:36 | 37.311 | 116.444 | 0.1 | 4.86 | 1.0 | 185 | AC | --- | 1.0 | SILENT BUTTE |
| 28 8:28:53 | 37.251 | 116.022 | 2.6 | 8.53 | 10.0 | 165 | CC | 1.6 | --- | TRAIL RIDGE |
| 28 18:28:37 | 36.777 | 116.288 | 0.4 | 5.39 | 0.6 | 218 | AD | 1.0 | 0.3 | SKULL MTN |
| 28 19:19:35 | 36.898 | 116.262 | 0.3 | 9.28 | 0.4 | 76 | AA | 1.4 | 1.4 | STRIPED HILLS |
| 29 0:12:51 | 37.309 | 116.445 | 0.2 | 3.96 | 1.7 | 184 | AC | 1.5 | 1.0 | SILENT BUTTE |
| 29 23:42:00 | 36.481 | 116.509 | 0.2 | 1.79 | 0.7 | 182 | AB | 1.8 | 1.6 | RYAN |
| DEC 1 21:33:58 | 37.301 | 115.193 | 0.3 | 8.09 | 0.5 | 174 | AC | 2.3 | 2.3 | ALAMO |
| 1 22:49:43 | 37.297 | 115.187 | 0.4 | 7.88•• | 7.7 | 175 | CC | --- | 2.4 | ALAMO |
| 2 7:41:56 | 37.502 | 114.939 | 7.4 | 48.48 | 8.7 | 166 | DC | 1.5 | --- | PAHROC SUMMIT PASS |
| 2 8:31:25 | 35.688 | 117.530 | 10.7 | 11.81 | 2.9 | 302 | DD | 2.0 | --- | RIDGECREST |
| 2 8:50:57 | 37.509 | 115.057 | 9.6 | 33.07• | --- | 108 | DB | 1.6 | --- | MIKO SE |
| 2 22: 8:44 | 37.311 | 116.451 | 0.4 | 7.11 | 1.0 | 268 | AD | --- | 1.0 | SILENT BUTTE |
| 5 19:25:53 | 36.897 | 116.769 | 1.1 | 3.80• | --- | 266 | CD | --- | 0.6 | BULLFROG |
| 7 3:54:47 | 37.187 | 117.397 | 0.2 | 5.09 | 1.1 | 113 | AC | 1.5 | 1.8 | UBEHEBE CRATER |
| 7 11:40: 5 | 37.192 | 117.375 | 0.2 | 5.14 | 0.9 | 109 | AC | --- | 1.5 | UBEHEBE CRATER |
| 8 12:13:37 | 36.668 | 116.412 | 0.6 | 2.50 | 0.7 | 293 | AD | 1.6 | 0.6 | LATHROP WELLS NW |
| 9 22:59:26 | 37.047 | 116.016 | 0.7 | 9.75 | 1.3 | 213 | AD | --- | 0.9 | YUCCA FLAT |
| 12 11:57:53 | 36.980 | 116.726 | 0.2 | 2.48 | 1.1 | 95 | AC | 1.7 | 1.7 | BARE MTN |
| 12 19:58:57 | 37.010 | 116.398 | 1.2 | 7.00•• | 1.0 | 168 | BC | --- | 0.4 | TIMBER MTN |
| 13 10:59:19 | 37.2[illegible] | 116.590 | 0.2 | 6.94 | 0.8 | 129 | AB | 1.5 | 0.9 | THIRSTY CANYON NE |
| 14 4:34:50 | 37.140 | 116.333 | 0.7 | 9.91 | 2.3 | 189 | BD | 1.3 | --- | AMMONIA TANKS |
| 14 6:18:48 | 37.100 | 116.329 | 0.9 | 5.28 | 1.3 | 192 | AC | 1.3 | --- | AMMONIA TANKS |
| 14 11:43:37 | 37.034 | 115.794 | 1.1 | 0.45 | 4.8 | 125 | BC | 1.4 | --- | PAPOOSE LAKE SE |
| 14 19:22:01 | 37.148 | 116.324 | 0.3 | 0.09 | 0.8 | 119 | AB | 1.2 | --- | AMMONIA TANKS |
| 14 21: 6: 6 | 37.145 | 116.320 | 0.3 | 1.48 | 0.6 | 68 | AB | 1.4 | 1.1 | AMMONIA TANKS |
| 14 23:59: 6 | 36.752 | 115.968 | 0.3 | 5.86 | 0.8 | 184 | AC | --- | 1.0 | FRENCHMAN FLAT |
| 17 8: 2:22 | 37.334 | 115.885 | 0.4 | 7.03 | 0.8 | 161 | AC | 2.1 | 2.2 | ALAMO SE |
| 17 8: 5:10 | 37.387 | 115.124 | 0.4 | 2.34 | 2.1 | 168 | BC | --- | 1.3 | ALAMO NE |
| 18 21:43:52 | 37.702 | 115.050 | 0.5 | 1.50 | 1.6 | 116 | AC | --- | 1.2 | MIKO NE |
| 20 4:21:12 | 36.883 | 116.039 | 0.1 | 13.32 | 0.3 | 74 | AA | 1.9 | 2.2 | SPECTER RANGE SE |
| 20 4:21:43 | 36.884 | 116.046 | 0.2 | 9.75 | 0.8 | 137 | AC | 1.8 | 1.5 | SPECTER RANGE SE |
| 20 9:24: 6 | 36.883 | 116.044 | 0.2 | 11.83 | 0.5 | 86 | AA | 1.7 | 1.8 | SPECTER RANGE SE |
| 22 8:18:17 | 37.119 | 115.273 | 0.4 | 4.68 | 1.0 | 143 | AC | --- | 1.4 | DESERT HILLS SE |
| 22 8:27:53 | 36.983 | 117.888 | 0.2 | 0.91 | 0.2 | 188 | AD | --- | 1.3 | DRY MTN |
| 22 11:46:33 | 37.020 | 117.738 | 0.4 | 7.03 | 1.7 | 116 | AB | --- | 1.4 | LIDA WASH |
| 22 16:58: 3 | 36.011 | 116.032 | 0.5 | 4.91 | 3.1 | 191 | BD | --- | 0.5 | CANE SPRING |

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## 1985 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC 23 | 1: 9:59 | 35.724 | 115.986 | 0.6 | -0.12 | 0.5 | 280 | DD | 1.6 | --- | KINGSTON PEAK |
| 24 | 13: 9:14 | 36.824 | 115.997 | 0.8 | 6.26 | 2.0 | 248 | BD | --- | 0.5 | FRENCHMAN FLAT |
| 24 | 21:19:43 | 36.813 | 115.827 | 0.3 | 0.56 | 0.4 | 154 | AC | 1.8 | 1.3 | FRENCHMAN LAKE SE |
| 24 | 21:29:19 | 36.781 | 116.031 | 0.4 | 11.50 | 0.9 | 165 | AC | --- | 0.9 | CANE SPRING |
| 26 | 13:39:21 | 37.383 | 116.988 | 0.3 | 11.21 | 1.8 | 80 | AC | --- | 1.4 | TOLICHA PEAK |
| 27 | 17:46:40 | 36.863 | 115.968 | 0.3 | 5.00 | 2.0 | 149 | BC | 1.8 | 1.2 | FRENCHMAN FLAT |
| 27 | 18:54:46 | 36.894 | 115.963 | 0.5 | 3.93 | 0.5 | 213 | CD | --- | 0.9 | FRENCHMAN FLAT |
| 29 | 3:37:38 | 37.109 | 116.948 | 0.2 | 7.39 | 1.0 | 106 | AC | --- | 0.9 | SPRINGDALE |
| 29 | 9:30:59 | 37.199 | 117.944 | 0.4 | 1.61 | 1.2 | 153 | AC | --- | 1.2 | LAST CHANCE RANGE |
| 30 | 2: 0:44 | 36.983 | 116.898 | 0.2 | 0.26 | 0.3 | 116 | AC | --- | 0.8 | BULLFROG |
| 31 | 3: 6: 1 | 37.214 | 117.958 | 0.5 | 5.08 | 1.4 | 143 | AC | --- | 1.1 | LAST CHANCE RANGE |
| 31 | 7:11:12 | 37.038 | 115.230 | 0.3 | 4.07 | 3.8 | 167 | BC | 2.3 | 2.3 | LOWER PAHRANAGAT LAKE SW |
| 31 | 14:14:29 | 36.975 | 116.009 | 0.2 | 8.66 | 0.8 | 175 | AC | --- | 0.8 | YUCCA LAKE |
| 31 | 20:27:58 | 37.182 | 116.588 | 0.2 | 8.78 | 1.0 | 103 | AC | --- | 1.2 | THIRSTY CANYON NE |

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1986 LOCAL HYPOCENTER SUMMARY

| DATE | | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | 1 | 0:35:45 | 37.177 | 116.583 | 0.3 | 2.71 | 1.0 | 102 | AC | 1.4 | 1.0 | THIRSTY CANYON NE |
| | 2 | 5: 0:51 | 37.068 | 115.233 | 0.4 | 8.13 | 0.7 | 178 | AC | --- | 1.5 | LOWER PAHRANAGAT LAKE SW |
| | 2 | 7:35:33 | 37.502 | 115.190 | 0.4 | 6.81 | 1.0 | 111 | AB | --- | 1.2 | HIKO SE |
| | 2 | 8:28:27 | 37.198 | 117.541 | 0.2 | 0.09 | 0.3 | 129 | AC | 2.0 | 1.4 | LAST CHANCE RANGE |
| | 2 | 11:40:21 | 37.289 | 115.207 | 0.0 | 5.45 | 3.1 | 123 | BC | 2.0 | 1.0 | ALAMO |
| | 3 | 0:44:40 | 37.487 | 116.609 | 0.2 | 8.03 | 0.9 | 80 | AC | --- | 1.1 | BLACK MTN NE |
| | 6 | 11:35:47 | 37.007 | 117.437 | 0.3 | -0.07 | 0.5 | 134 | AC | 2.3 | 2.1 | UBEHEBE CRATER |
| | 6 | 13: 4: 7 | 37.182 | 116.320 | 0.2 | 2.09 | 0.4 | 77 | AB | --- | 0.8 | AMMONIA TANKS |
| | 6 | 18:14:60 | 36.651 | 116.274 | 0.2 | 6.70 | 0.6 | 117 | AB | --- | 0.8 | STRIPED HILLS |
| | 7 | 4: 4:28 | 36.784 | 116.273 | 0.4 | 0.81 | 0.2 | 140 | AC | --- | 0.3 | JACKASS FLATS |
| | 7 | 0:21:29 | 37.348 | 117.236 | 0.3 | -0.24 | 0.3 | 54 | AB | 1.9 | 1.8 | SCOTTYS JUNCTION SW |
| | 7 | 8:50:60 | 36.519 | 116.083 | 0.2 | 0.13 | 1.2 | 61 | AC | 1.7 | 1.1 | BIG DUNE |
| | 7 | 18:42: 0 | 37.180 | 116.594 | 0.3 | 0.73 | 1.2 | 100 | AB | 1.4 | 1.0 | THIRSTY CANYON NE |
| | 7 | 22:18:00 | 37.049 | 115.997 | 0.4 | 4.58 | 3.5 | 221 | BD | --- | 1.0 | PAIUTE RIDGE |
| | 8 | 18:23:38 | 36.730 | 116.212 | 0.2 | 2.70 | 0.5 | 64 | AB | 1.7 | 1.7 | SPECTER RANGE NW |
| | 8 | 18: 7:11 | 36.725 | 116.207 | 0.2 | 2.37 | 0.3 | 219 | AD | --- | 0.6 | SPECTER RANGE NW |
| | 9 | 18:40:27 | 36.647 | 116.270 | 0.3 | 0.38 | 0.5 | 121 | AB | --- | 0.7 | STRIPED HILLS |
| | 9 | 21:12:23 | 37.187 | 117.548 | 0.2 | 4.54 | 1.5 | 136 | AC | --- | 1.0 | LAST CHANCE RANGE |
| | 9 | 23:35:35 | 36.650 | 116.266 | 0.3 | 0.66 | 0.6 | 110 | AB | --- | 1.0 | STRIPED HILLS |
| | 10 | 12:33: 9 | 37.573 | 117.459 | 0.2 | 2.46 | 0.5 | 94 | AC | --- | 1.1 | MONTEZUMA PEAK SW |
| | 11 | 2:12:15 | 36.812 | 116.035 | 0.1 | 0.02 | 0.2 | 121 | AC | --- | 0.9 | CANE SPRING |
| | 11 | 0:34:20 | 37.301 | 116.449 | 0.1 | 5.43 | 0.6 | 100 | AC | --- | 1.0 | SILENT BUTTE |
| | 11 | 8:38:31 | 36.992 | 115.262 | 0.3 | 11.29 | 0.9 | 189 | AC | 1.0 | 1.0 | MULE DEER RIDGE NW |
| | 11 | 9:10:14 | 36.998 | 115.246 | 0.9 | 10.41 | 1.3 | 218 | AD | --- | 1.4 | MULE DEER RIDGE NW |
| | 11 | 9:19: 5 | 36.992 | 115.240 | 1.0 | 9.14 | 1.0 | 203 | AD | --- | 1.3 | MULE DEER RIDGE NW |
| | 11 | 10: 4:18 | 37.338 | 117.247 | 0.3 | 0.88 | 0.2 | 112 | AB | --- | 1.0 | SCOTTYS JUNCTION SW |
| | 13 | 22: 0:39 | 36.876 | 116.209 | 0.5 | 3.66 | 1.3 | 132 | AB | --- | 0.6 | MINE MTN |
| | 14 | 0: 5:35 | 36.960 | 117.103 | 0.2 | 8.29 | 0.8 | 79 | AA | 1.9 | 1.5 | GRAPEVINE PEAK |
| | 16 | 11:20:46 | 36.722 | 117.251 | 0.4 | 1.47 | 1.2 | 106 | AB | 2.1 | 1.0 | MARBLE CANYON |
| | 16 | 14:28:59 | 36.870 | 115.972 | 0.2 | 2.59 | 0.6 | 124 | AB | --- | 0.9 | FRENCHMAN FLAT |
| | 16 | 14:37:45 | 36.871 | 115.977 | 0.1 | 2.30 | 0.4 | 123 | AB | 1.8 | 1.2 | FRENCHMAN FLAT |
| | 16 | 15:24:52 | 36.873 | 115.984 | 0.2 | 1.37 | 0.8 | 77 | AB | 2.3 | 2.1 | FRENCHMAN FLAT |
| | 16 | 15:41:35 | 36.871 | 115.969 | 0.2 | 1.88 | 0.5 | 125 | AC | 1.8 | 0.8 | FRENCHMAN FLAT |
| | 16 | 16:27:19 | 36.873 | 115.975 | 0.2 | 4.76 | 1.2 | 149 | AC | --- | 0.9 | FRENCHMAN FLAT |
| | 16 | 19:23:39 | 36.881 | 115.980 | 0.1 | 5.41 | 1.1 | 153 | AC | 1.4 | 1.0 | PLUTONIUM VALLEY |
| | 16 | 22:10:23 | 36.858 | 116.386 | 0.4 | 7.06 | 0.9 | 159 | AC | --- | 0.8 | LATHROP WELLS NW |
| | 16 | 22:10:34 | 36.871 | 115.568 | 0.3 | 3.09* | --- | 125 | CC | 1.6 | 1.2 | FRENCHMAN FLAT |
| | 17 | 2:19:31 | 37.078 | 116.081 | 0.5 | 4.31 | 3.4 | 37 | BC | 1.7 | 1.4 | SPRINGDALE |
| | 17 | 3: 6:37 | 36.895 | 115.927 | 0.4 | 4.50 | 1.4 | 200 | AC | --- | 0.9 | PLUTONIUM VALLEY |
| | 17 | 3:30:00 | 36.872 | 115.974 | 0.2 | 2.74 | 0.5 | 158 | AC | --- | 0.9 | FRENCHMAN FLAT |
| | 17 | 6:34: 7 | 37.166 | 114.904 | 0.5 | 0.26 | 0.5 | 196 | AD | --- | 1.0 | DELAMAR 3 NW |
| | 17 | 18:43:49 | 37.363 | 114.642 | 0.0 | 0.98 | 6.7 | 223 | AD | 2.0 | 2.2 | ELGIN SW |
| | 18 | 11:51: 2 | 36.854 | 116.200 | 0.1 | 4.15 | 0.4 | 50 | AB | 1.5 | 1.2 | JACKASS FLATS |
| | 18 | 12:50:22 | 36.843 | 116.264 | 0.2 | 0.50 | 0.4 | 61 | AA | 1.5 | 1.4 | JACKASS FLATS |
| | 18 | 14:44:55 | 36.863 | 116.384 | 0.3 | 9.44 | 0.7 | 210 | AD | --- | 0.8 | LATHROP WELLS NW |
| | 19 | 9:38:18 | 36.842 | 116.015 | 0.2 | 9.08 | 0.5 | 92 | AB | --- | 0.9 | SPECTER RANGE SE |
| | 20 | 5:48:20 | 37.334 | 117.725 | 0.1 | 1.46 | 0.4 | 155 | AC | --- | 1.1 | MAGRUDER MTN |
| | 20 | 6: 2:14 | 36.873 | 115.968 | 0.2 | 4.09 | 1.7 | 152 | AC | --- | 0.7 | FRENCHMAN FLAT |
| | 20 | 11: 1:34 | 36.816 | 116.000 | 0.4 | 10.37 | 0.6 | 186 | AD | --- | 1.3 | CANE SPRING |
| | 21 | 17:20:37 | 37.032 | 118.021 | 0.4 | 4.21 | 2.6 | 288 | BD | --- | 1.6 | ***REGIONAL*** |
| | 22 | 7:25:17 | 37.238 | 114.601 | 0.9 | 14.68 | 1.3 | 229 | AD | 1.4 | 1.5 | VIGO NW |
| | 22 | 9: 1: 3 | 37.213 | 117.920 | 0.4 | 6.18 | 1.5 | 225 | AD | 2.0 | 1.8 | WAUCOBA SPRING |
| | 22 | 16:52: 9 | 36.660 | 116.297 | 0.2 | 2.80 | 0.3 | 76 | AA | 1.3 | 0.8 | STRIPED HILLS |
| | 22 | 16:54:20 | 36.650 | 116.271 | 1.4 | 3.32 | 5.6 | 266 | BD | --- | 0.8 | STRIPED HILLS |
| | 22 | 23:22:49 | 36.658 | 116.291 | 0.2 | 2.05 | 0.4 | 135 | AB | --- | 0.4 | STRIPED HILLS |
| | 22 | 23:28:13 | 36.659 | 116.294 | 0.2 | 2.68 | 0.3 | 64 | AA | 1.8 | 1.4 | STRIPED HILLS |
| | 22 | 23:32:36 | 36.662 | 116.298 | 0.2 | 3.07 | 0.8 | 132 | AB | 1.5 | 1.1 | STRIPED HILLS |
| | 23 | 1:26:30 | 36.664 | 116.286 | 0.1 | 3.50 | 0.3 | 139 | AC | --- | 0.3 | STRIPED HILLS |
| | 23 | 1:41:58 | 36.662 | 116.296 | 0.3 | 3.68 | 0.5 | 230 | AD | --- | 0.2 | STRIPED HILLS |
| | 23 | 1:42:50 | 36.660 | 116.290 | 0.3 | 3.34 | 0.4 | 240 | AD | --- | 0.4 | STRIPED HILLS |
| | 23 | 1:52: 8 | 36.668 | 116.299 | 0.2 | 0.43 | 0.1 | 129 | AB | --- | 0.5 | STRIPED HILLS |
| | 23 | 7: 5:30 | 36.657 | 116.288 | 0.4 | 3.63 | 0.8 | 240 | AD | --- | 0.5 | STRIPED HILLS |
| | 23 | 12:40:11 | 36.664 | 116.300 | 0.4 | 1.02 | 2.1 | 224 | BD | --- | 0.3 | STRIPED HILLS |
| | 23 | 17: 0:35 | 36.979 | 116.284 | 0.2 | 3.03 | 0.8 | 93 | AB | 1.4 | 0.9 | TOPOPAH SPRING |
| | 23 | 17:56: 0 | 36.980 | 116.286 | 0.2 | 3.95 | 0.9 | 96 | AB | --- | 0.6 | TOPOPAH SPRING |
| | 23 | 23:49:38 | 37.369 | 114.641 | 0.0 | 7.73 | 2.2 | 264 | BD | --- | 1.4 | ELGIN SW |

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1986 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 25 | 4:58: 4 | 36.814 | 116.838 | 0.2 | 4.43 | 2.0 | 123 | BC | 1.0 | 1.6 | CANE SPRING |
| 25 | 11:19:45 | 37.467 | 117.588 | 0.2 | 4.33 | 0.9 | 82 | AB | --- | 1.1 | MAGRUDER MTN |
| 25 | 14:22:51 | 36.617 | 116.259 | 0.4 | 5.36 | 0.9 | 148 | AC | --- | 0.7 | LATHROP WELLS SE |
| 25 | 16:25: 4 | 36.808 | 116.826 | 0.3 | 5.72 | 1.4 | 172 | AC | 1.7 | 1.0 | CANE SPRING |
| 25 | 21: 2:44 | 36.809 | 116.831 | 0.1 | 4.18 | 1.3 | 121 | AC | 1.4 | 1.0 | CANE SPRING |
| 25 | 22:19:22 | 37.811 | 114.848 | 0.8 | 11.20 | 1.1 | 288 | AD | 1.8 | 1.6 | CHOKECHERRY MTN |
| 25 | 23:17:43 | 37.258 | 114.883 | 0.7 | 3.46* | --- | 240 | CD | 1.8 | 1.9 | ELGIN |
| 26 | 11: 1:17 | 36.787 | 116.832 | 0.2 | 3.87 | 1.7 | 156 | AC | --- | 0.7 | CANE SPRING |
| 26 | 11:48:10 | 37.004 | 115.281 | 0.2 | 5.97 | 1.3 | 131 | AC | 2.3 | 2.2 | DESERT HILLS SE |
| 26 | 15:22:37 | 37.213 | 114.822 | 0.6 | 2.64 | 1.0 | 234 | AB | 2.0 | 2.0 | VIGO NE |
| 26 | 15:43:58 | 37.209 | 114.818 | 0.8 | 4.77* | --- | 279 | CD | 1.9 | 1.8 | VIGO NE |
| 26 | 18:28:51 | 37.214 | 114.781 | 0.9 | 11.98 | 2.4 | 287 | BD | 1.7 | 1.8 | DELAMAR 3 NE |
| 27 | 2:19:54 | 37.141 | 116.287 | 0.1 | 3.97 | 0.5 | 97 | AB | --- | 0.7 | AMMONIA TANKS |
| 27 | 6:41:29 | 36.812 | 116.833 | 0.2 | 6.72 | 0.3 | 122 | AC | 1.7 | 1.2 | CANE SPRING |
| 27 | 14:38:43 | 36.888 | 117.093 | 0.2 | 4.61 | 2.6 | 117 | BC | 1.6 | 1.1 | STOVEPIPE WELLS |
| 28 | 18:12:49 | 36.815 | 116.834 | 0.1 | 1.60 | 0.3 | 122 | AC | 1.6 | 1.0 | CANE SPRING |
| 29 | 1:53:32 | 37.222 | 117.932 | 0.4 | 9.92 | 1.1 | 231 | AD | 1.6 | 1.4 | WAUCOBA SPRING |
| 29 | 21: 3:50 | 36.803 | 115.487 | 0.3 | 8.10 | 0.6 | 105 | AC | 1.9 | 1.6 | DOG BONE LAKE SOUTH |
| 30 | 2:58:58 | 36.822 | 115.993 | 0.5 | 14.65 | 1.8 | 196 | AD | --- | 0.8 | FRENCHMAN FLAT |
| 30 | 8:28:34 | 37.856 | 116.836 | 0.2 | 5.17 | 1.6 | 116 | AC | --- | 1.0 | YUCCA FLAT |
| 30 | 19:20:53 | 36.888 | 116.292 | 0.1 | 2.32 | 0.2 | 134 | AB | --- | 0.7 | STRIPED HILLS |
| 31 | 11: 7:56 | 36.996 | 116.471 | 0.7 | 10.30 | 1.2 | 282 | AD | --- | 0.2 | TOPOPAH SPRING NW |
| FEB 1 | 0:52:20 | 36.802 | 116.826 | 0.2 | 3.85 | 1.5 | 121 | BC | 1.8 | 1.5 | CANE SPRING |
| 1 | 14:49: 7 | 36.889 | 116.292 | 0.4 | 1.55 | 0.9 | 240 | AD | --- | 0.5 | STRIPED HILLS |
| 2 | 18:49:44 | 36.838 | 116.315 | 0.3 | 4.19 | 0.4 | 79 | AA | --- | 0.4 | JACKASS FLATS |
| 2 | 22: 7:39 | 36.818 | 116.817 | 0.4 | 10.58 | 0.9 | 188 | AD | --- | 1.1 | CANE SPRING |
| 3 | 5:43:57 | 36.237 | 117.266 | 0.8 | 11.65 | 2.6 | 228 | BD | --- | 1.1 | MATURANGO |
| 3 | 8:39:29 | 36.881 | 116.283 | 0.8 | 2.86 | 0.7 | 224 | AD | --- | 0.5 | STRIPED HILLS |
| 3 | 13:58: 7 | 36.818 | 116.825 | 0.4 | 5.68 | 2.0 | 148 | BC | --- | 0.8 | CANE SPRING |
| 3 | 22:37:48 | 36.871 | 115.978 | 0.3 | 0.02 | 0.5 | 173 | AC | --- | 0.9 | FRENCHMAN FLAT |
| 4 | 5:25:21 | 36.871 | 115.978 | 0.2 | 2.58 | 0.7 | 123 | AB | 2.0 | 1.5 | FRENCHMAN FLAT |
| 5 | 0:51: 5 | 36.716 | 115.824 | 1.1 | 3.00 | 1.2 | 194 | BD | --- | 1.3 | MERCURY NE |
| 5 | 2:28:57 | 37.139 | 115.425 | 0.5 | 6.25 | 3.0 | 134 | BC | --- | 1.4 | DESERT HILLS NW |
| 5 | 15:41:39 | 36.617 | 116.972 | 0.2 | 11.31 | 0.8 | 81 | AB | 1.8 | 1.2 | CHLORIDE CLIFF |
| 5 | 16:20:11 | 37.926 | 116.886 | 0.2 | 5.13 | 1.0 | 124 | CC | 2.0 | 1.7 | REVEILLE PEAK |
| 5 | 21:21: 6 | 37.155 | 116.204 | 0.3 | 0.18 | 0.4 | 181 | AC | 1.5 | 1.3 | RAINIER MESA |
| 6 | 5: 4:53 | 36.592 | 117.086 | 0.3 | 4.66 | 3.5 | 114 | BC | --- | 1.3 | STOVEPIPE WELLS |
| 6 | 5:40:43 | 36.589 | 117.088 | 0.2 | 4.73 | 2.4 | 110 | BC | 2.0 | 1.6 | STOVEPIPE WELLS |
| 6 | 6:44:38 | 36.589 | 117.089 | 0.2 | 5.83 | 1.6 | 115 | AC | 2.2 | 2.7 | STOVEPIPE WELLS |
| 6 | 6:48:12 | 36.591 | 117.085 | 0.1 | 0.45 | 0.2 | 114 | AC | 1.8 | 1.4 | STOVEPIPE WELLS |
| 7 | 2:36:41 | 36.591 | 117.086 | 0.2 | 0.49 | 0.3 | 114 | AC | --- | 1.2 | STOVEPIPE WELLS |
| 7 | 8: 2:58 | 36.592 | 117.085 | 0.2 | 0.72 | 0.2 | 110 | AC | --- | 1.3 | STOVEPIPE WELLS |
| 7 | 10:30:49 | 36.593 | 117.093 | 0.2 | 4.55 | 2.2 | 115 | BC | --- | 1.3 | STOVEPIPE WELLS |
| 7 | 19: 9:16 | 36.578 | 115.233 | 0.4 | 2.87 | 1.7 | 207 | AD | 2.0 | 1.9 | HAYFORD PEAK |
| 7 | 21:15:21 | 36.829 | 115.383 | 0.3 | 15.05 | 1.7 | 131 | AC | 2.1 | 2.1 | DEAD HORSE RIDGE |
| 8 | 7:16:50 | 36.963 | 117.181 | 0.3 | 5.95 | 2.2 | 140 | BC | --- | 1.8 | GRAPEVINE PEAK |
| 8 | 8:59:25 | 36.837 | 115.349 | 0.2 | 2.89 | 1.2 | 178 | AC | 1.9 | 1.6 | DEAD HORSE RIDGE |
| 8 | 13:30: 4 | 36.869 | 115.977 | 0.3 | 0.78 | 0.5 | 123 | AB | 2.0 | 2.1 | FRENCHMAN FLAT |
| 9 | 1: 4:56 | 36.868 | 115.973 | 0.2 | 1.67 | 0.5 | 124 | AC | 1.4 | 1.2 | FRENCHMAN FLAT |
| 9 | 2:53: 2 | 36.867 | 115.976 | 0.2 | 0.98 | 0.3 | 123 | AB | 1.7 | 1.3 | FRENCHMAN FLAT |
| 9 | 11:39:31 | 36.888 | 116.445 | 0.9 | -0.01 | 0.4 | 186 | BC | 0.8 | 0.8 | TOPOPAH SPRING NW |
| 9 | 15:47:43 | 37.255 | 115.027 | 0.4 | 4.89 | 1.5 | 203 | AD | 1.7 | 1.5 | ALAMO SE |
| 9 | 16: 1:52 | 37.883 | 116.124 | 0.3 | 14.23 | 1.0 | 112 | AC | 2.3 | 1.9 | REVEILLE PEAK |
| 9 | 18:40:38 | 37.887 | 116.129 | 0.5 | 5.48 | 0.2 | 148 | CC | --- | 1.9 | REVEILLE PEAK |
| 10 | 13:23:19 | 36.737 | 115.956 | 0.3 | 1.87 | 0.7 | 188 | AC | --- | 0.8 | MERCURY |
| 10 | 13:31:32 | 37.136 | 116.288 | 0.2 | 4.69 | 2.3 | 103 | BC | 1.8 | 1.7 | AMMONIA TANKS |
| 10 | 20:34:52 | 37.246 | 115.012 | 0.5 | 4.73 | 2.3 | 198 | BD | 2.1 | 1.7 | LOWER PAHRANAGAT LAKE |
| 11 | 8:28:37 | 37.894 | 116.137 | 0.3 | 6.02 | 2.2 | 106 | BC | --- | 1.6 | REVEILLE PEAK |
| 11 | 11:31:47 | 36.887 | 116.217 | 0.2 | 8.78 | 0.5 | 106 | AB | --- | 0.5 | SPECTER RANGE NW |
| 11 | 13:18:37 | 37.264 | 115.015 | 0.6 | 2.81 | 3.9 | 122 | BC | 1.4 | 1.6 | GROOM RANGE SE |
| 11 | 14:10:55 | 36.648 | 116.220 | 0.2 | 0.56 | 0.5 | 113 | AB | --- | 0.6 | SPECTER RANGE NW |
| 12 | 4:29:56 | 37.406 | 116.877 | 0.2 | 4.37 | 1.3 | 71 | AC | --- | 1.2 | WHEELBARROW PEAK NE |
| 13 | 8:28:34 | 37.388 | 115.010 | 1.1 | 5.34 | 1.5 | 175 | BC | --- | 1.1 | ALAMO SE |
| 13 | 11: 8:19 | 37.382 | 115.019 | 1.4 | 5.68 | 1.9 | 172 | BC | 1.3 | 1.1 | ALAMO SE |
| 13 | 13:41:48 | 36.868 | 115.967 | 0.2 | 0.08 | 0.4 | 125 | AC | --- | 0.9 | FRENCHMAN FLAT |
| 14 | 0:50:24 | 36.639 | 116.334 | 0.2 | 1.58 | 0.2 | 68 | AA | 1.1 | 0.9 | STRIPED HILLS |

9175 0 0 2 4

9075900/004

1986 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB 14 | 2:33:22 | 37.052 | 116.137 | 0.3 | 0.03 | 0.4 | 105 | AC | --- | 1.6 | REVEILLE PEAK |
| 14 | 4: 7:25 | 37.085 | 117.481 | 0.2 | 0.05 | 0.8 | 140 | AC | --- | 1.4 | UBEHEBE CRATER |
| 14 | 7:36:26 | 37.151 | 114.928 | 1.8 | 8.40 | 5.1 | 257 | CD | --- | 1.9 | DELAMAR 3 NW |
| 16 | 23:25:57 | 36.846 | 115.888 | 0.3 | 10.08 | 0.8 | 211 | AD | --- | 1.6 | FRENCHMAN FLAT |
| 17 | 7:29:12 | 36.433 | 117.031 | 0.3 | 8.40 | 0.6 | 122 | AB | --- | 1.1 | EMIGRANT CANYON |
| 17 | 20:13:59 | 37.025 | 116.484 | 0.6 | 4.59 | 1.4 | 191 | AD | 1.8 | 0.9 | TIMBER MTN |
| 17 | 20:29:25 | 37.020 | 116.464 | 0.2 | 8.03 | 0.6 | 89 | AA | 1.7 | 1.7 | TIMBER MTN |
| 17 | 21: 8:17 | 37.027 | 116.473 | 0.1 | 4.84 | 0.7 | 92 | AB | 1.5 | 1.1 | TIMBER MTN |
| 17 | 21:21:17 | 37.021 | 116.478 | 0.7 | 4.84 | 1.2 | 195 | AD | --- | 0.8 | TIMBER MTN |
| 17 | 23:32:54 | 36.750 | 115.969 | 0.4 | 8.51 | 0.8 | 170 | AC | -0.5 | 0.8 | FRENCHMAN FLAT |
| 18 | 1: 7:49 | 37.025 | 116.480 | 0.2 | 5.09 | 1.0 | 92 | AB | 1.5 | 1.2 | TIMBER MTN |
| 18 | 1:23:28 | 37.035 | 116.487 | 0.6 | 8.40 | 0.8 | 246 | AD | --- | 0.4 | TIMBER MTN |
| 18 | 1:50:48 | 36.593 | 117.094 | 0.1 | 8.30 | 0.2 | 115 | AC | 1.9 | 1.0 | STOVEPIPE WELLS |
| 18 | 1:59:30 | 37.025 | 116.472 | 0.6 | 9.33 | 0.6 | 230 | AD | --- | 0.6 | TIMBER MTN |
| 18 | 2: 0:35 | 37.019 | 116.470 | 0.3 | 9.17 | 0.5 | 174 | AC | 1.6 | 1.4 | TIMBER MTN |
| 18 | 2:23:32 | 37.018 | 116.461 | 0.2 | 9.05 | 0.5 | 83 | AA | 1.6 | 1.7 | TIMBER MTN |
| 18 | 3: 3:13 | 37.037 | 116.483 | 0.8 | 5.78 | 1.1 | 247 | AD | --- | 0.5 | TIMBER MTN |
| 18 | 3:48:21 | 37.018 | 116.463 | 0.2 | 8.87 | 0.4 | 121 | AB | 1.8 | 1.6 | TIMBER MTN |
| 18 | 5:49: 6 | 37.018 | 116.450 | 0.5 | 10.62 | 0.4 | 221 | AD | --- | 0.4 | TIMBER MTN |
| 18 | 13:36: 4 | 37.025 | 116.475 | 0.3 | 9.06 | 0.9 | 187 | AB | --- | 0.7 | TIMBER MTN |
| 18 | 15:28:53 | 37.024 | 116.473 | 0.1 | 7.32 | 0.6 | 89 | AB | 1.5 | 1.4 | TIMBER MTN |
| 18 | 15:54: 5 | 37.137 | 116.094 | 0.2 | 4.46 | 2.4 | 114 | BC | --- | 1.0 | SPRINGDALE |
| 18 | 19:53: 6 | 37.024 | 116.475 | 0.2 | 8.48 | 2.7 | 91 | AB | 1.7 | 1.1 | TIMBER MTN |
| 18 | 20: 9:36 | 36.728 | 115.944 | 1.3 | 6.02 | 2.3 | 162 | BC | --- | [illegible] | MERCURY |
| 18 | 23:31:16 | 36.725 | 116.074 | 0.2 | -1.01 | 0.3 | 94 | AC | 1.6 | 1.9 | CAMP DESERT ROCK |
| 19 | 1:23:32 | 36.810 | 116.017 | 0.4 | 10.01 | 0.9 | 163 | AC | --- | 0.7 | CANE SPRING |
| 19 | 2:51: 5 | 36.420 | 116.291 | 0.3 | 9.05 | 0.5 | 192 | AC | 1.5 | 1.2 | ASH MEADOWS |
| 20 | 19:55:58 | 37.863 | 116.127 | 0.3 | -0.19 | 0.5 | 168 | AC | 2.0 | 2.0 | REVEILLE PEAK |
| 22 | 0:12:33 | 36.974 | 117.452 | 0.4 | 1.63 | 1.0 | 193 | AC | --- | 1.0 | TIN MTN |
| 22 | 7:56: 9 | 36.832 | 117.360 | 0.5 | 8.82 | 1.1 | 94 | AB | --- | 0.9 | TIN MTN |
| 24 | 11:54:29 | 37.524 | 115.756 | 0.3 | 2.65 | 1.1 | 56 | AC | 2.1 | 1.8 | WHITE BLOTCH SPRINGS |
| 24 | 15:20:49 | 37.056 | 115.265 | 0.3 | 6.09 | 1.0 | 162 | AC | 1.9 | 1.9 | DESERT HILLS SE |
| 25 | 0: 2: 7 | 36.808 | 116.031 | 0.3 | 0.08 | 0.5 | 121 | AC | --- | 0.8 | CANE SPRING |
| 25 | 0: 4:57 | 37.279 | 115.202 | 0.3 | 0.22 | 0.7 | 98 | AC | --- | 1.9 | BADGER SPRING |
| 25 | 9:23:42 | 37.490 | 115.398 | 0.2 | 7.11 | 1.4 | 84 | AC | --- | 1.1 | CRESCENT RESERVOIR |
| 25 | 18:44:09 | 37.054 | 115.266 | 0.5 | 5.26 | 2.4 | 193 | BD | 2.1 | 1.8 | DESERT HILLS SE |
| 26 | 2:37:18 | 37.185 | 117.368 | 0.2 | 9.48 | 0.5 | 98 | AB | 1.7 | 1.4 | UBEHEBE CRATER |
| 26 | 6:42: 7 | 37.184 | 117.387 | 0.4 | 8.49 | 1.0 | 112 | AB | --- | 1.0 | UBEHEBE CRATER |
| 26 | 6:43:48 | 36.688 | 115.812 | 0.5 | -0.44 | 0.4 | 144 | AC | --- | 1.0 | MERCURY NE |
| 26 | 6:59: 8 | 36.760 | 115.735 | 0.4 | -0.04 | 0.7 | 168 | AC | --- | 1.4 | QUARTZ PEAK SW |
| 26 | 7:11:12 | 36.705 | 115.790 | 0.5 | 0.75 | 0.2 | 195 | AC | --- | 1.2 | MERCURY NE |
| 26 | 7:14: 7 | 36.708 | 115.802 | 0.3 | 4.63 | 4.[illegible] | 189 | BB | 1.5 | 1.4 | MERCURY NE |
| 26 | 17:46: 8 | 37.192 | 117.388 | 0.2 | 5.47 | 1.3 | 114 | AC | --- | 1.3 | UBEHEBE CRATER |
| 27 | 2:10:53 | 36.674 | 115.704 | 0.5 | -1.16 | 0.3 | 225 | AD | --- | 1.2 | MERCURY NE |
| 27 | 2:[illegible]8:18 | 36.665 | 115.790 | 0.5 | -0.77 | 0.5 | 165 | BC | 1.7 | 1.0 | MERCURY NE |
| 27 | 2:29:51 | 36.679 | 115.796 | 0.9 | 15.20 | 2.5 | 195 | BD | --- | 1.3 | MERCURY NE |
| 27 | 2:44:56 | 36.709 | 115.783 | 0.6 | 0.08 | 0.3 | 223 | AD | --- | 0.9 | MERCURY NE |
| 27 | 2:50: 3 | 36.710 | 115.799 | 0.4 | -0.56 | 0.4 | 189 | AB | --- | 1.0 | MERCURY NE |
| 27 | 6:51:32 | 36.702 | 115.776 | 0.8 | 0.46 | 0.3 | 228 | AD | --- | 1.3 | MERCURY NE |
| 27 | 6:57:33 | 36.705 | 115.778 | 0.2 | 7.93 | 2.1 | 158 | BC | --- | 1.1 | MERCURY NE |
| 27 | 6:58:59 | 36.709 | 115.800 | 0.4 | 0.04 | 0.2 | 196 | AB | 1.5 | 0.9 | MERCURY NE |
| 27 | 20:36:40 | 37.538 | 116.931 | 0.5 | 7.01 | 4.0 | 83 | BC | --- | 1.1 | WELLAN |
| 28 | 20: 5:50 | 36.821 | 115.811 | 0.7 | 4.50 | 3.4 | 203 | BD | --- | 1.2 | FRENCHMAN LAKE SE |
| 28 | 23:42: 4 | 36.635 | 116.335 | 0.2 | 3.63 | 0.4 | 69 | AA | 1.2 | 0.8 | STRIPED HILLS |
| MAR 1 | 3:21:46 | 37.288 | 115.206 | 0.7 | 6.38 | 2.9 | 123 | BC | 1.4 | 1.4 | ALAMO |
| 2 | 4:24: 4 | 37.299 | 116.729 | 0.6 | 0.73 | 2.5 | 90 | BB | 1.7 | --- | BLACK MTN SW |
| 2 | 20:44:39 | 37.158 | 117.336 | 0.2 | 6.78 | 0.5 | 106 | AC | --- | 0.8 | UBEHEBE CRATER |
| 2 | 21: 0: 6 | 37.163 | 117.332 | 0.2 | 7.27 | 0.5 | 103 | AC | 2.0 | 1.5 | UBEHEBE CRATER |
| 2 | 21:47:55 | 37.057 | 116.132 | 0.4 | 2.15 | 2.9 | 106 | BC | 1.4 | 1.7 | REVEILLE PEAK |
| 3 | 18: 4:37 | 37.223 | 117.328 | 0.4 | 6.10 | 1.1 | 90 | AB | --- | 0.9 | UBEHEBE CRATER |
| 5 | 7:30:41 | 37.275 | 116.214 | 0.2 | 7.36 | 0.7 | 107 | AB | --- | 0.9 | QUARTET DOME |
| 5 | 18:49: 0 | 37.071 | 116.375 | 0.3 | 8.76 | 0.9 | 111 | AC | --- | 1.4 | QUARTZITE MTN |
| 5 | 23:41:56 | 37.141 | 116.076 | 0.4 | 8.02 | 1.0 | 113 | AB | 1.6 | 1.3 | SPRINGDALE |
| 6 | 1:15:24 | 37.088 | 116.133 | 0.3 | 6.12 | 2.3 | 106 | BC | 2.0 | 1.6 | REVEILLE PEAK |
| 6 | 20:18:53 | 37.160 | 117.389 | 0.1 | 8.08 | 0.3 | 102 | AC | 3.0 | 2.4 | UBEHEBE CRATER |
| 6 | 20:28: 6 | 37.163 | 117.381 | 0.2 | 8.52 | 0.7 | 109 | AC | --- | 1.4 | UBEHEBE CRATER |

9175905

9075900/605

1986 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| MAR 6 20:24:15 | 37.161 | 117.353 | 0.3 | 9.18 | 0.8 | 110 | AB | 1.2 | 1.5 | UBEHEBE CRATER |
| 6 20:29:11 | 37.158 | 117.366 | 0.3 | 5.01 | 2.2 | 103 | BC | 2.1 | 1.9 | UBEHEBE CRATER |
| 6 20:29:59 | 37.166 | 117.352 | 0.2 | 10.03 | 0.7 | 109 | AB | --- | 1.3 | UBEHEBE CRATER |
| 6 20:31:26 | 37.162 | 117.352 | 0.2 | 5.72 | 0.8 | 110 | AC | 1.2 | 1.1 | UBEHEBE CRATER |
| 6 20:36:11 | 37.164 | 117.381 | 0.2 | 5.78 | 1.0 | 89 | AC | 1.4 | 1.2 | UBEHEBE CRATER |
| 6 20:37:44 | 37.163 | 117.356 | 0.2 | 8.83 | 0.8 | 111 | AB | 1.9 | 1.7 | UBEHEBE CRATER |
| 6 20:43:47 | 37.164 | 117.384 | 0.2 | 7.34 | 0.9 | 110 | AC | 1.8 | 1.6 | UBEHEBE CRATER |
| 6 20:46:44 | 37.161 | 117.361 | 0.2 | 8.82 | 0.8 | 113 | AC | --- | 1.0 | UBEHEBE CRATER |
| 6 20:52:38 | 37.167 | 117.388 | 0.1 | 7.78 | 0.4 | 111 | AC | --- | 1.3 | UBEHEBE CRATER |
| 6 20:55:19 | 37.168 | 117.390 | 0.2 | 8.31 | 0.6 | 111 | AC | --- | 1.4 | UBEHEBE CRATER |
| 6 21:24:25 | 37.162 | 117.388 | 0.2 | 7.33 | 0.9 | 112 | AC | 1.2 | 1.5 | UBEHEBE CRATER |
| 6 21:40:34 | 37.159 | 117.389 | 0.2 | 6.49 | 0.9 | 102 | AC | 1.9 | 1.6 | UBEHEBE CRATER |
| 6 22:18:32 | 37.160 | 117.390 | 0.2 | 8.40 | 0.6 | 101 | AC | 1.6 | 1.4 | UBEHEBE CRATER |
| 7 0:11:28 | 37.164 | 117.358 | 0.2 | 6.87 | 0.7 | 101 | AC | 1.9 | 1.7 | UBEHEBE CRATER |
| 7 0:31:27 | 37.163 | 117.360 | 0.2 | 7.89 | 0.6 | 161 | AC | 1.7 | 1.8 | UBEHEBE CRATER |
| 7 1: 0:34 | 37.165 | 117.354 | 0.2 | 7.31 | 0.9 | 110 | AC | --- | 1.0 | UBEHEBE CRATER |
| 7 4:28:15 | 37.162 | 117.396 | 0.2 | 7.58 | 0.8 | 111 | AC | --- | 1.2 | UBEHEBE CRATER |
| 7 13:36:08 | 37.856 | 116.134 | 0.2 | 1.84 | 0.7 | 100 | AC | --- | 1.2 | REVEILLE PEAK |
| 7 16:48:28 | 37.160 | 117.393 | 0.2 | 6.12 | 0.9 | 111 | AC | 1.6 | 1.1 | UBEHEBE CRATER |
| 7 18:51:32 | 36.814 | 116.744 | 0.8 | 1.65 | 0.9 | 241 | AD | --- | 0.8 | BARE MTN |
| 8 6:28:13 | 37.161 | 117.351 | 0.2 | 6.12 | 1.1 | 110 | AC | --- | 1.2 | UBEHEBE CRATER |
| 9 0: 9:41 | 37.070 | 115.259 | 0.3 | 6.84 | 0.9 | 102 | AC | --- | 1.9 | DESERT HILLS SE |
| 10 7:32:10 | 37.294 | 115.038 | 1.1 | 1.93 | 1.4 | 200 | BD | --- | 0.9 | ALAMO SE |
| 12 15:21:57 | 36.699 | 116.287 | 0.2 | 3.01 | 0.4 | 81 | AA | 1.3 | 0.8 | STRIPED HILLS |
| 14 2: 9:22 | 37.710 | 117.004 | 0.8 | 14.36 | 1.2 | 233 | AD | --- | 1.0 | LIDA WASH |
| 14 3: 8:47 | 36.850 | 116.202 | 0.2 | 7.82 | 0.4 | 62 | AB | 1.6 | 1.0 | JACKASS FLATS |
| 14 5:47:15 | 37 343 | 117.243 | 0.2 | 8.09 | 0.1 | 98 | AB | 2.2 | 1.7 | SCOTTYS JUNCTION SW |
| 14 7:24:38 | 37.011 | 116.193 | 0.3 | 6.18 | 0.7 | 89 | AA | 1.0 | 1.0 | TIPPIPAH SPRING |
| 14 9:23:01 | 37.345 | 117.238 | 0.3 | 0.48 | 0.2 | 71 | AB | 2.0 | 2.1 | SCOTTYS JUNCTION SW |
| 14 15:11:32 | 37.159 | 117.364 | 0.2 | 6.32 | 1.0 | 115 | AC | --- | 1.2 | UBEHEBE CRATER |
| 14 16:35:57 | 37.344 | 117.238 | 0.2 | 0.42 | 0.2 | 53 | AB | 2.5 | 2.5 | SCOTTYS JUNCTION SW |
| 14 21: 9: 6 | 37.352 | 117.226 | 0.3 | -0.60 | 0.2 | 137 | AC | 1.8 | 1.4 | SCOTTYS JUNCTION SW |
| 15 0:50:51 | 37.348 | 117.241 | 0.4 | -0.18 | 0.3 | 134 | AB | --- | 1.0 | SCOTTYS JUNCTION SW |
| 15 14:41: 1 | 37.029 | 116.413 | 0.2 | 8.85 | 0.3 | 120 | AB | 1.6 | 1.6 | TIMBER MTN |
| 16 0:39: 9 | 37.142 | 116.876 | 0.3 | 5.00 | 2.2 | 102 | BC | 1.0 | 1.2 | SPRINGDALE |
| 16 4:19:48 | 37.015 | 117.939 | 0.5 | 2.50 | 1.9 | 239 | AD | --- | 1.5 | WAUCOBA SPRING |
| 16 10:21: 4 | 37.061 | 115.271 | 0.4 | 4.93 | 2.2 | 161 | BC | 2.0 | 2.1 | DESERT HILLS SE |
| 16 11:44: 5 | 36.869 | 115.967 | 0.2 | 4.21 | 3.5 | 120 | BC | 1.1 | 1.0 | FRENCHMAN FLAT |
| 17 7:15: 6 | 36.401 | 115.472 | 0.4 | 0.05 | 0.5 | 125 | AC | --- | 1.2 | CORN CREEK SPRINGS NW |
| 17 19:43: 0 | 37.140 | 116.069 | 0.1 | 0.66 | 0.2 | 132 | AC | --- | 1.1 | SPRINGDALE |
| 18 4:50:48 | 37.162 | 117.394 | 0.2 | 6.63 | 0.9 | 111 | AC | --- | 1.4 | UBEHEBE CRATER |
| 18 7:52:12 | 37.277 | 115.280 | 0.5 | 4.82 | 3.3 | 104 | BC | 2.1 | 2.2 | BADGER SPRING |
| 19 0:23:45 | 37.282 | 115.283 | 0.5 | 1.93 | 1.7 | 102 | AC | 1.9 | 2.1 | BADGER SPRING |
| 19 10: 7: 5 | 37.287 | 115.280 | 0.3 | 0.65 | 0.4 | 115 | AC | --- | 1.3 | BADGER SPRING |
| 19 21:37:49 | 37.258 | 115.290 | 0.5 | 11.70 | 1.8 | 130 | AB | --- | 1.3 | BADGER SPRING |
| 19 13: 9:17 | 37.347 | 117.237 | 0.2 | 0.31 | 0.2 | 54 | AB | 2.3 | 2.4 | SCOTTYS JUNCTION SW |
| 19 23: 4:57 | 37.292 | 115.261 | 0.3 | 5.34 | 1.8 | 121 | AC | --- | 1.2 | BADGER SPRING |
| 19 23: 7:13 | 37.276 | 115.285 | 0.5 | 4.36 | 4.8 | 101 | BC | 1.7 | 1.9 | BADGER SPRING |
| 20 5: 5:10 | 37.318 | 114.860 | 0.4 | 3.13* | --- | 212 | CD | 1.6 | 1.5 | GREGERSON BASIN |
| 20 11: 2:53 | 37.265 | 115.253 | 0.5 | 0.30 | 1.8 | 128 | AB | --- | 1.3 | BADGER SPRING |
| 20 11:13: 2 | 37.266 | 115.254 | 0.5 | 0.26 | 1.3 | 128 | AB | --- | 1.5 | BADGER SPRING |
| 20 11:37: 1 | 37.266 | 115.251 | 0.4 | 0.09 | 1.2 | 112 | AB | --- | 1.7 | BADGER SPRING |
| 20 20:20:30 | 37.010 | 116.793 | 0.4 | 1.73 | 1.4 | 113 | BC | --- | 1.0 | SPRINGDALE |
| 21 0:38:26 | 37.347 | 117.235 | 0.2 | 0.41 | 0.2 | 54 | AB | 1.8 | 2.2 | SCOTTYS JUNCTION SW |
| 23 4:59:16 | 36.776 | 116.050 | 0.1 | 5.40 | 0.8 | 189 | AC | --- | 1.3 | CANE SPRING |
| 23 6: 9:21 | 36.937 | 116.793 | 0.2 | 2.98 | 1.1 | 96 | AC | 1.6 | 0.8 | BULLFROG |
| 23 7:58:12 | 37.428 | 116.777 | 0.2 | -0.14 | 0.3 | 71 | AC | 2.2 | 2.4 | TOLICHA PEAK |
| 24 11:59:45 | 37.073 | 116.072 | 0.5 | -0.56* | --- | 79 | CC | 1.0 | --- | YUCCA FLAT |
| 25 18: 8:51 | 37.346 | 117.235 | 0.2 | 0.50 | 0.2 | 54 | AB | 1.9 | 1.8 | SCOTTYS JUNCTION SW |
| 26 15:45: 7 | 37.028 | 116.144 | 0.3 | 7.01 | 0.5 | 200 | AD | --- | 0.8 | TIPPIPAH SPRING |
| 27 13:44: 0 | 36.358 | 115.881 | 1.2 | 21.43 | 1.3 | 320 | BD | 1.9 | --- | MT STIRLING |
| 28 13: 6:40 | 36.850 | 115.930 | 0.2 | 5.07 | 1.5 | 148 | AC | --- | 0.9 | FRENCHMAN FLAT |
| 29 16:43:40 | 37.164 | 117.353 | 0.3 | 0.51 | 0.8 | 110 | AC | --- | 1.3 | UBEHEBE CRATER |
| 30 6: 8:33 | 37.095 | 116.053 | 0.3 | 4.43 | 1.5 | 137 | AC | 1.5 | 1.1 | YUCCA FLAT |
| 30 10:46:29 | 36.870 | 115.873 | 0.3 | 0.84 | 0.4 | 124 | AB | --- | 0.9 | FRENCHMAN FLAT |
| 31 8:27:55 | 37.350 | 117.229 | 0.4 | -0.17 | 0.2 | 184 | AD | --- | 1.0 | SCOTTYS JUNCTION SW |

1986 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | | | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAR | 31 | 8:11:31 | 37.142 | 116.293 | 0.2 | 8.01 | 0.3 | 82 | AB | 1.7 | 1.4 | AMMONIA TANKS |
| | 31 | 8:51:24 | 36.998 | 116.240 | 0.2 | 6.42 | 0.3 | 84 | AA | 1.4 | 1.2 | MINE MTN |
| | 31 | 18:31:20 | 36.717 | 116.277 | 0.3 | 5.22 | 0.3 | 120 | AB | 1.4 | 0.8 | STRIPED HILLS |
| | 31 | 21:53:33 | 36.645 | 115.948 | 0.2 | 14.20 | 0.3 | 72 | AA | 1.7 | 1.7 | MERCURY |
| APR | 1 | 12:29:11 | 36.727 | 116.070 | 0.2 | 5.40 | 2.0 | 89 | BC | 0.7 | 1.3 | CAMP DESERT ROCK |
| | 1 | 20:11: 4 | 36.168 | 117.411 | 0.4 | 7.20 | 1.0 | 240 | AD | 0.6 | 1.7 | MATURANGO |
| | 4 | 18:33:23 | 37.583 | 117.390 | 1.0 | 10.37 | 2.0 | 155 | BC | 0.2 | 1.5 | MONTEZUMA PEAK SW |
| | 4 | 18:33:37 | 37.577 | 117.483 | 1.0 | 0.94 | 2.0 | 170 | BC | 0.0 | 1.0 | MONTEZUMA PEAK SW |
| | 4 | 18:40:13 | 37.575 | 117.428 | 0.2 | 0.42 | 0.3 | 126 | AC | 1.9 | 1.9 | MONTEZUMA PEAK SW |
| | 4 | 18:44: 4 | 37.574 | 117.426 | 0.8 | 4.20 | 3.8 | 126 | BC | 1.9 | 1.8 | MONTEZUMA PEAK SW |
| | 4 | 18:49:15 | 37.583 | 117.402 | 0.3 | 0.81 | 0.4 | 115 | AC | 0.7 | 1.3 | MONTEZUMA PEAK SW |
| | 4 | 18:52: 7 | 37.581 | 117.410 | 0.5 | 0.34 | 1.2 | 122 | AB | 0.6 | 1.3 | MONTEZUMA PEAK SW |
| | 4 | 18:53:54 | 37.580 | 117.413 | 0.3 | 0.91 | 1.1 | 145 | AC | 0.6 | 1.4 | MONTEZUMA PEAK SW |
| | 4 | 18:55:47 | 37.578 | 117.423 | 0.6 | 0.02 | 2.4 | 138 | BC | 0.6 | 1.5 | MONTEZUMA PEAK SW |
| | 4 | 18:56:52 | 37.577 | 117.426 | 0.5 | 4.95 | 1.7 | 168 | AC | 0.6 | 1.2 | MONTEZUMA PEAK SW |
| | 4 | 18:58:29 | 37.573 | 117.423 | 0.3 | 0.47 | 0.4 | 125 | AC | 1.0 | 1.7 | MONTEZUMA PEAK SW |
| | 4 | 19:15:35 | 37.577 | 117.438 | 0.8 | 3.92 | 0.8 | 172 | CC | --- | 1.1 | MONTEZUMA PEAK SW |
| | 4 | 19:16:29 | 37.573 | 117.427 | 0.3 | 2.93 | 2.8 | 126 | BC | 1.8 | 1.6 | MONTEZUMA PEAK SW |
| | 4 | 19:30: 5 | 37.570 | 117.446 | 0.4 | 0.64 | 0.7 | 132 | AC | 0.6 | 1.2 | MONTEZUMA PEAK SW |
| | 4 | 19:40:16 | 37.572 | 117.422 | 0.3 | 2.07 | 0.9 | 124 | AC | 2.2 | 2.0 | MONTEZUMA PEAK SW |
| | 4 | 19:44:55 | 37.586 | 117.425 | 0.9 | 6.28 | 3.7 | 129 | BC | 0.6 | 1.5 | MONTEZUMA PEAK SW |
| | 4 | 19:49: 9 | 37.574 | 117.439 | 0.5 | 5.25 | 1.9 | 153 | AC | --- | 1.6 | MONTEZUMA PEAK SW |
| | 4 | 19:49:32 | 37.577 | 117.427 | 0.9 | 7.44 | 2.7 | 139 | BC | --- | 1.7 | MONTEZUMA PEAK SW |
| | 4 | 19:51:40 | 37.573 | 117.427 | 0.4 | 0.74 | 0.3 | 168 | AC | --- | 1.1 | MONTEZUMA PEAK SW |
| | 4 | 19:57:12 | 37.584 | 117.424 | 0.3 | 6.35 | 0.8 | 128 | AC | 1.7 | 1.6 | MONTEZUMA PEAK SW |
| | 4 | 20: 0:47 | 37.574 | 117.428 | 0.7 | 3.87 | 7.4 | 139 | CC | --- | 1.8 | MONTEZUMA PEAK SW |
| | 4 | 20: 1:27 | 37.573 | 117.431 | 0.2 | 1.84 | 0.7 | 137 | AC | 1.7 | 1.7 | MONTEZUMA PEAK SW |
| | 4 | 20: 9:33 | 37.576 | 117.426 | 0.2 | 0.77 | 0.9 | 127 | AC | 2.3 | 2.6 | MONTEZUMA PEAK SW |
| | 4 | 20:13:45 | 37.573 | 117.423 | 0.3 | 0.70 | 0.6 | 129 | AC | 0.7 | 1.5 | MONTEZUMA PEAK SW |
| | 4 | 20:17:28 | 37.576 | 117.441 | 0.6 | 2.51 | 1.4 | 174 | AC | 0.5 | 1.3 | MONTEZUMA PEAK SW |
| | 4 | 20:26:38 | 37.575 | 117.439 | 0.2 | 0.75 | 0.7 | 131 | AC | 0.8 | 1.5 | MONTEZUMA PEAK SW |
| | 4 | 20:38:35 | 37.574 | 117.422 | 0.4 | 0.94 | 0.5 | 141 | AC | 2.0 | 2.3 | MONTEZUMA PEAK SW |
| | 4 | 20:48:51 | 37.578 | 117.418 | 0.2 | 0.32 | 0.8 | 128 | AC | 1.6 | 1.6 | MONTEZUMA PEAK SW |
| | 4 | 20:54:33 | 37.575 | 117.423 | 0.5 | 0.22 | 1.0 | 141 | AC | 0.5 | 1.1 | MONTEZUMA PEAK SW |
| | 4 | 20:56:22 | 37.585 | 117.414 | 0.4 | 3.91 | 3.7 | 145 | BC | 0.7 | 1.4 | MONTEZUMA PEAK SW |
| | 4 | 20:56:01 | 37.589 | 117.400 | 1.2 | 11.98 | 2.0 | 152 | BC | 1.6 | 1.7 | MONTEZUMA PEAK SW |
| | 4 | 21: 5:44 | 37.580 | 117.413 | 0.4 | 0.65 | 1.4 | 145 | AC | 0.5 | 1.2 | MONTEZUMA PEAK SW |
| | 5 | 19:46:14 | 37.608 | 114.057 | 0.8 | 1.94 | 0.8 | 287 | AD | 0.0 | 1.5 | CHOKECHERRY MTN |
| | 6 | 18:30: 5 | 37.178 | 116.092 | 0.8 | -0.25 | --- | 105 | CD | 1.8 | --- | OAK SPRING |
| | 7 | 8:42:58 | 36.998 | 116.194 | 0.3 | 5.72 | 2.3 | 82 | BC | 1.8 | 1.7 | MINE MTN |
| | 7 | 9:53:25 | 37.396 | 114.848 | 0.7 | 4.19 | 4.0 | 208 | BD | 0.8 | 1.2 | DELAMAR |
| | 8 | 3:24:28 | 37.138 | 116.286 | 0.3 | 1.63 | 1.0 | 81 | BB | 0.4 | 0.7 | AMMONIA TANKS |
| | 8 | 23:33:47 | 37.127 | 117.011 | 0.3 | 10.64 | 0.8 | 110 | AB | 1.7 | 1.3 | BONNIE CLAIRE |
| | 9 | 5:27:32 | 37.346 | 117.248 | 0.2 | 0.49 | 0.2 | 114 | AB | 2.0 | 2.0 | SCOTTYS JUNCTION SW |
| | 9 | 8:54:28 | 36.688 | 116.316 | 0.2 | 2.43 | 0.3 | 109 | AB | 1.2 | 1.0 | STRIPED HILLS |
| | 9 | 8:59:43 | 36.687 | 116.313 | 0.1 | 3.54 | 0.3 | 110 | AB | 1.4 | 1.1 | STRIPED HILLS |
| | 9 | 19: 4:35 | 36.888 | 116.120 | 0.1 | 2.90 | 0.4 | 101 | AB | 1.7 | 0.8 | CANE SPRING |
| | 9 | 20:34:21 | 37.282 | 114.919 | 0.5 | 1.70 | 1.1 | 227 | AD | 0.0 | 1.3 | DELAMAR LAKE |
| | 10 | 2:15:58 | 37.563 | 117.766 | 0.6 | 0.48 | 1.5 | 200 | AD | 0.0 | 1.4 | PIPER PEAK |
| | 11 | 2:37: 2 | 36.725 | 116.273 | 0.3 | 3.55 | 0.3 | 121 | AB | 0.3 | 0.8 | STRIPED HILLS |
| | 11 | 10:26:25 | 37.536 | 117.565 | 0.3 | 0.07 | 0.4 | 153 | AC | 0.6 | 1.4 | LIDA WASH |
| | 11 | 10:30:50 | 37.582 | 114.689 | 0.3 | -0.56 | 0.1 | 288 | AD | 0.0 | 1.4 | CHOKECHERRY MTN |
| | 12 | 2:47: 9 | 37.854 | 116.133 | 0.2 | 0.20 | 0.3 | 196 | AC | 0.7 | 1.6 | REVEILLE PEAK |
| | 14 | 3: 0:18 | 36.870 | 115.978 | 0.1 | 4.15 | 0.9 | 123 | AB | 1.7 | 1.0 | FRENCHMAN FLAT |
| | 14 | 5:48:18 | 37.161 | 117.358 | 0.2 | 8.51 | 0.7 | 101 | AC | 1.9 | 2.2 | UBEHEBE CRATER |
| | 14 | 5:50:36 | 37.162 | 117.362 | 0.3 | 7.66 | 1.1 | 113 | AC | 1.7 | 1.5 | UBEHEBE CRATER |
| | 14 | 16:42:12 | 37.853 | 116.134 | 0.2 | 1.47 | 0.8 | 100 | AC | 0.7 | 1.5 | REVEILLE PEAK |
| | 14 | 19: 4:43 | 36.888 | 115.973 | 0.2 | 2.06 | 0.7 | 124 | AC | 1.0 | 1.3 | FRENCHMAN FLAT |
| | 15 | 3:58:12 | 37.853 | 116.133 | 0.2 | 0.73 | 0.2 | 100 | AC | 0.7 | 1.7 | REVEILLE PEAK |
| | 17 | 5:20:10 | 37.852 | 116.134 | 0.3 | 3.98 | --- | 105 | CC | 0.7 | 1.7 | REVEILLE PEAK |
| | 17 | 15:40:33 | 37.852 | 116.130 | 0.1 | 0.91 | 0.2 | 100 | AC | --- | 1.4 | REVEILLE PEAK |
| | 17 | 18:36:59 | 36.726 | 116.190 | 0.2 | 1.85 | 0.6 | 119 | AC | 1.3 | 1.2 | SPECTER RANGE NW |
| | 17 | 20: 8:46 | 36.736 | 116.140 | 0.1 | 1.87 | 0.3 | 125 | AC | 1.3 | 1.1 | SPECTER RANGE NW |
| | 17 | 20:30:33 | 36.733 | 116.147 | 0.2 | 1.91 | 0.5 | 123 | AC | 0.4 | 0.9 | SPECTER RANGE NW |
| | 17 | 21:41: 3 | 36.735 | 116.143 | 0.1 | 1.90 | 0.3 | 87 | AC | 1.6 | 1.2 | SPECTER RANGE NW |
| | 17 | 22:47:41 | 36.117 | 116.872 | 0.2 | 0.29 | 0.6 | 138 | AC | 0.0 | 1.8 | FUNERAL PEAK |

9075900/607

1986 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| APR 17 22:49:16 | 36.117 | 116.669 | 0.3 | 7.74 | 0.5 | 138 | AC | 0.5 | 1.7 | FUNERAL PEAK |
| 17 22:52:51 | 36.121 | 116.673 | 0.2 | 7.38 | 0.5 | 137 | AC | --- | 1.2 | FUNERAL PEAK |
| 17 22:53: 9 | 36.123 | 116.678 | 0.2 | 7.69 | 0.4 | 135 | AC | 0.5 | 1.4 | FUNERAL PEAK |
| 17 23: 0:38 | 36.118 | 116.672 | 0.2 | 7.32 | 0.4 | 138 | AC | 0.5 | 1.6 | FUNERAL PEAK |
| 17 23:15:59 | 36.738 | 116.144 | 0.1 | 4.13 | 0.9 | 109 | AC | 1.4 | 1.0 | SPECTER RANGE NW |
| 17 23:34: 5 | 36.737 | 116.146 | 0.2 | 0.94 | 0.2 | 128 | AC | 1.4 | 0.9 | SPECTER RANGE NW |
| 17 23:38:42 | 36.118 | 116.667 | 0.2 | 7.54 | 0.4 | 150 | AC | 1.8 | 1.4 | FUNERAL PEAK |
| 18 0:20:44 | 36.118 | 116.672 | 0.2 | 6.81 | 0.7 | 138 | AC | --- | 1.0 | FUNERAL PEAK |
| 18 0:40:32 | 36.738 | 116.148 | 0.2 | 1.74 | 0.8 | 128 | AC | 1.2 | 1.1 | SPECTER RANGE NW |
| 18 1:34: 0 | 36.737 | 116.148 | 0.1 | 4.00 | 0.7 | 108 | AC | 1.7 | 1.4 | SPECTER RANGE NW |
| 18 2:30: 2 | 36.116 | 116.670 | 0.2 | 7.26 | 0.3 | 139 | AC | 0.4 | 1.4 | FUNERAL PEAK |
| 18 3:59:51 | 36.733 | 116.147 | 0.2 | 1.47 | 0.8 | 124 | AC | 1.6 | 1.5 | SPECTER RANGE NW |
| 18 5:28:31 | 36.734 | 116.147 | 0.1 | 0.81 | 0.2 | 100 | AC | 1.5 | 1.2 | SPECTER RANGE NW |
| 18 6:41:56 | 36.737 | 116.144 | 0.1 | 0.98 | 0.2 | 72 | AC | 1.7 | 1.6 | SPECTER RANGE NW |
| 18 7: 4:59 | 36.738 | 116.146 | 0.2 | 2.04 | 0.5 | 125 | AC | 1.4 | 1.2 | SPECTER RANGE NW |
| 18 8: 0:39 | 36.740 | 116.144 | 0.2 | 0.00 | 0.3 | 127 | AC | 1.2 | 1.0 | SPECTER RANGE NW |
| 18 12:33:22 | 36.678 | 116.169 | 0.3 | 6.22 | 1.2 | 111 | AC | 1.7 | 1.3 | CAMP DESERT ROCK |
| 18 16:29: 0 | 36.738 | 116.142 | 0.1 | 1.59 | 0.4 | 87 | AC | 1.8 | 1.6 | SPECTER RANGE NW |
| 18 18:22:45 | 36.736 | 116.146 | 0.2 | 0.05 | 0.2 | 128 | AC | 1.4 | 1.3 | SPECTER RANGE NW |
| 18 20: 3:39 | 36.740 | 116.145 | 0.5 | 4.05 | 2.4 | 182 | BC | --- | 0.9 | SPECTER RANGE NW |
| 19 2: 1: 9 | 36.738 | 116.144 | 0.1 | 1.76 | 0.4 | 79 | AC | 2.0 | 1.8 | SPECTER RANGE NW |
| 19 2:44: 1 | 36.518 | 117.808 | 0.7 | 0.70 | 1.1 | 329 | AD | 2.1 | 2.2 | NEW YORK BUTTE |
| 19 3:38:38 | 37.858 | 116.174 | 0.3 | 7.07 | 0.9 | 225 | AD | 2.1 | 1.7 | REVEILLE PEAK |
| 19 7:58:24 | 36.733 | 116.145 | 0.2 | 2.05 | 0.5 | 107 | AC | 0.3 | 0.7 | SPECTER RANGE NW |
| 19 10:29: 3 | 36.878 | 115.986 | 0.1 | 0.48 | 0.2 | 126 | AB | 1.5 | 1.0 | PLUTONIUM VALLEY |
| 19 11: 8:51 | 36.878 | 115.969 | 0.2 | 2.78 | 0.8 | 126 | AB | 1.0 | 1.0 | PLUTONIUM VALLEY |
| 19 14:58:49 | 37.127 | 117.007 | 0.3 | 7.75 | 1.5 | 118 | AC | 0.6 | 1.5 | BONNIE CLAIRE |
| 20 4:50: 9 | 36.942 | 116.451 | 2.3 | 2.56 | 1.8 | 289 | BD | 0.3 | 0.9 | TOPOPAH SPRING NW |
| 20 8:20:43 | 37.276 | 115.257 | 0.9 | 4.07 | 7.8 | 126 | CC | 0.7 | 2.0 | BADGER SPRING |
| 20 8:52:14 | 37.345 | 117.237 | 0.5 | 0.38 | 0.3 | 134 | AB | 0.7 | 1.3 | SCOTTYS JUNCTION SW |
| 20 9:28:51 | 36.234 | 116.823 | 0.3 | 9.81 | 0.8 | 113 | AB | --- | 1.4 | BENNETTS WELL |
| 20 11:19:44 | 37.263 | 115.251 | 0.6 | 9.70 | 1.4 | 128 | AB | 0.8 | 1.2 | BADGER SPRING |
| 20 16: 9:55 | 36.869 | 115.976 | 0.1 | 0.89 | 0.2 | 78 | AB | 1.0 | 1.8 | FRENCHMAN FLAT |
| 20 21:54:44 | 36.734 | 116.147 | 0.1 | 0.92 | 0.2 | 124 | AC | 0.2 | 0.7 | SPECTER RANGE NW |
| 21 0:11:13 | 36.878 | 115.981 | 1.0 | 3.27 | 5.5 | 223 | CD | --- | 1.0 | PLUTONIUM VALLEY |
| 21 10:26:53 | 36.734 | 116.148 | 0.1 | 0.94 | 0.2 | 106 | AC | 0.4 | 0.9 | SPECTER RANGE NW |
| 21 17:14:58 | 36.843 | 117.465 | 0.3 | 1.82 | 0.6 | 182 | AD | 1.5 | 1.7 | TIN MTN |
| 22 4:10:43 | 36.985 | 115.045 | 0.2 | 6.28 | 3.3 | 169 | BC | 2.0 | 2.0 | MULE DEER RIDGE NE |
| 23 11: 7:36 | 37.266 | 116.440 | 0.7 | 2.12 | 1.6 | 90 | BC | 1.7 | --- | SILENT BUTTE |
| 23 16:57:28 | 36.727 | 116.077 | 0.3 | 4.71 | 1.1 | 149 | AC | 1.0 | 1.1 | CAMP DESERT ROCK |
| 23 16:59:38 | 37.926 | 116.098 | 0.4 | 9.00 | 2.2 | 124 | BC | 0.8 | 1.3 | REVEILLE PEAK |
| 25 1:44: 9 | 37.871 | 116.123 | 0.3 | 10.75 | 2.3 | 110 | BC | 2.1 | 1.8 | REVEILLE PEAK |
| 25 19:24:51 | 37.058 | 116.021 | 0.2 | 5.05 | 0.8 | 157 | AC | 0.4 | 0.9 | YUCCA FLAT |
| 25 21:50:30 | 37.342 | 117.247 | 0.2 | 0.48 | 0.1 | 160 | AC | 0.6 | 1.2 | SCOTTYS JUNCTION SW |
| 27 5:24:38 | 37.218 | 116.572 | 0.5 | 9.42 | 1.2 | 117 | BD | 1.4 | 1.1 | THIRSTY CANYON NE |
| 27 9:10:36 | 37.216 | 116.571 | 0.8 | 10.03 | 1.4 | 128 | BD | 1.3 | 1.1 | THIRSTY CANYON NE |
| 27 10:18:14 | 37.208 | 116.571 | 0.4 | 7.55 | 0.9 | 113 | BD | 1.4 | 1.1 | THIRSTY CANYON NE |
| 27 12:48:25 | 37.203 | 116.567 | 0.6 | 10.02 | 1.4 | 121 | BD | --- | 1.2 | THIRSTY CANYON NE |
| 27 14:23:33 | 37.542 | 117.069 | 0.3 | 1.71 | 1.1 | 150 | AC | 0.6 | 1.2 | LIDA WASH |
| 28 5:15:16 | 37.197 | 116.572 | 0.2 | 9.56 | 0.7 | 77 | AB | 1.8 | 1.6 | THIRSTY CANYON NE |
| 28 8:51: 7 | 36.945 | 116.356 | 0.4 | 3.87 | 2.0 | 65 | BC | 0.4 | 0.7 | TOPOPAH SPRING |
| 28 13:24:16 | 37.196 | 116.576 | 0.2 | 9.37 | 0.6 | 45 | AB | 1.8 | 1.3 | THIRSTY CANYON NE |
| 28 15:52:44 | 37.165 | 117.928 | 3.6 | 0.90 | 3.2 | 228 | BD | 2.1 | 2.0 | WAUCOBA SPRING |
| 29 4:31:46 | 37.295 | 116.578 | 0.5 | 7.26 | 1.2 | 118 | AB | 0.5 | 1.2 | THIRSTY CANYON NE |
| MAY 1 3: 5:25 | 37.282 | 117.591 | 0.3 | 7.01 | 0.8 | 82 | AB | --- | 1.5 | MAGRUDER MTN |
| 1 3: 5:25 | 37.282 | 117.591 | 0.3 | 7.01 | 0.8 | 82 | AB | --- | 1.5 | MAGRUDER MTN |
| 1 5:43: 2 | 37.196 | 116.589 | 0.4 | 5.05 | 1.4 | 109 | AB | --- | 0.9 | THIRSTY CANYON NE |
| 1 5:43: 2 | 37.196 | 116.589 | 0.4 | 5.05 | 1.4 | 109 | AB | --- | 0.9 | THIRSTY CANYON NE |
| 1 6:45:59 | 37.085 | 117.362 | 0.3 | -0.47 | 0.5 | 116 | AB | --- | 1.2 | UBEHEBE CRATER |
| 1 6:45:50 | 37.085 | 117.362 | 0.3 | -0.47 | 0.5 | 116 | AB | --- | 1.2 | UBEHEBE CRATER |
| 1 11: 0:20 | 37.195 | 116.589 | 0.2 | 5.04 | 0.8 | 108 | AB | --- | 0.8 | THIRSTY CANYON NE |
| 1 11: 0:20 | 37.195 | 116.586 | 0.2 | 5.04 | 0.8 | 108 | AB | --- | 0.8 | THIRSTY CANYON NE |
| 1 23: 6:39 | 37.196 | 116.587 | 0.3 | 4.87 | 1.5 | 110 | AC | --- | 1.2 | THIRSTY CANYON NE |
| 1 23: 6:39 | 37.196 | 116.587 | 0.3 | 4.87 | 1.5 | 110 | AC | --- | 1.2 | THIRSTY CANYON NE |
| 2 5:49: 3 | 36.696 | 116.064 | 0.3 | 10.02 | 0.7 | 140 | AC | --- | 0.6 | CAMP DESERT ROCK |
| 2 5:49: 3 | 36.696 | 116.064 | 0.3 | 10.02 | 0.7 | 140 | AC | --- | 0.6 | CAMP DESERT ROCK |

9075900/608

1986 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | | | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | 2 | 5:59:30 | 37.196 | 116.590 | 0.2 | 5.74 | 1.8 | 189 | AB | --- | 1.0 | THIRSTY CANYON NE |
| | 2 | 5:59:30 | 37.196 | 116.590 | 0.2 | 5.74 | 1.8 | 189 | AB | --- | 1.0 | THIRSTY CANYON NE |
| | 2 | 22: 0:41 | 36.995 | 117.581 | 0.5 | 2.09 | 2.4 | 184 | BD | --- | 1.5 | DRY MTN |
| | 2 | 22: 0:41 | 36.995 | 117.581 | 0.5 | 2.09 | 2.4 | 184 | BD | --- | 1.5 | DRY MTN |
| | 3 | 6:54:41 | 37.293 | 116.486 | 0.8 | 13.59 | 0.7 | 213 | AD | --- | 1.5 | SILENT BUTTE |
| | 3 | 6:54:41 | 37.293 | 116.486 | 0.8 | 13.59 | 0.7 | 213 | AD | --- | 1.5 | SILENT BUTTE |
| | 6 | 3: 9:21 | 36.826 | 116.388 | 0.4 | 0.74 | 0.3 | 89 | AA | --- | 0.6 | JACKASS FLATS |
| | 6 | 3: 9:21 | 36.826 | 116.388 | 0.4 | 0.74 | 0.3 | 89 | AA | --- | 0.6 | JACKASS FLATS |
| | 6 | 9:36:32 | 36.908 | 117.794 | 0.8 | 7.00* | --- | 217 | CD | --- | 1.5 | WAUCOBA WASH |
| | 6 | 9:36:32 | 36.908 | 117.794 | 0.8 | 7.00* | --- | 217 | CD | --- | 1.5 | WAUCOBA WASH |
| | 6 | 20:49:17 | 37.852 | 116.132 | 0.2 | 0.85 | 0.4 | 105 | AC | --- | 1.6 | REVEILLE PEAK |
| | 6 | 20:49:17 | 37.852 | 116.132 | 0.2 | 0.85 | 0.4 | 105 | AC | --- | 1.6 | REVEILLE PEAK |
| | 7 | 6:14:55 | 37.851 | 116.136 | 0.2 | 0.46 | 0.3 | 105 | AC | --- | 1.5 | REVEILLE PEAK |
| | 7 | 6:14:55 | 37.851 | 116.136 | 0.2 | 0.46 | 0.3 | 105 | AC | --- | 1.5 | REVEILLE PEAK |
| | 8 | 1:35:39 | 36.757 | 115.979 | 0.6 | 4.20 | 1.4 | 229 | AD | --- | 0.9 | FRENCHMAN FLAT |
| | 8 | 1:35:39 | 36.757 | 115.979 | 0.6 | 4.20 | 1.4 | 229 | AD | --- | 0.9 | FRENCHMAN FLAT |
| | 8 | 11:50:56 | 36.686 | 116.051 | 0.8 | 4.75 | 3.2 | 138 | BC | --- | 0.5 | CAMP DESERT ROCK |
| | 8 | 11:50:56 | 36.686 | 116.051 | 0.8 | 4.75 | 3.2 | 138 | BC | --- | 0.5 | CAMP DESERT ROCK |
| | 8 | 20:47:36 | 37.861 | 116.129 | 0.6 | 1.02 | 2.1 | 107 | BC | --- | 1.5 | REVEILLE PEAK |
| | 8 | 20:47:36 | 37.861 | 116.129 | 0.6 | 1.02 | 2.1 | 107 | BC | --- | 1.5 | REVEILLE PEAK |
| | 9 | 16:14: 7 | 37.856 | 116.133 | 0.3 | 4.04 | 0.8 | 106 | CC | 2.1 | 1.8 | REVEILLE PEAK |
| | 9 | 16:14: 7 | 37.856 | 116.133 | 0.3 | 4.04 | 0.8 | 106 | CC | 2.1 | 1.8 | REVEILLE PEAK |
| | 9 | 18:15:45 | 37.288 | 116.405 | 0.2 | 4.27 | 1.5 | 84 | AC | 1.7 | 1.0 | SILENT BUTTE |
| | 9 | 18:15:45 | 37.288 | 116.405 | 0.2 | 4.27 | 1.5 | 84 | AC | 1.7 | 1.0 | SILENT BUTTE |
| | 10 | 9:30:46 | 36.837 | 115.876 | 0.3 | 7.69 | 1.4 | 150 | AC | 1.8 | 1.3 | FRENCHMAN FLAT |
| | 10 | 9:30:46 | 36.837 | 115.876 | 0.3 | 7.69 | 1.4 | 150 | AC | 1.8 | 1.3 | FRENCHMAN FLAT |
| | 10 | 13:14:39 | 37.267 | 116.436 | 0.2 | 2.19 | 0.5 | 97 | AC | 1.8 | 1.6 | SILENT BUTTE |
| | 10 | 13:14:39 | 37.267 | 116.436 | 0.2 | 2.19 | 0.5 | 97 | AC | 1.8 | 1.6 | SILENT BUTTE |
| | 11 | 7:42:11 | 37.339 | 115.414 | 0.3 | 7.35 | 2.1 | 136 | BC | 1.4 | 1.6 | CUTLER RESERVOIR |
| | 11 | 7:42:11 | 37.339 | 115.414 | 0.3 | 7.35 | 2.1 | 136 | BC | 1.4 | 1.6 | CUTLER RESERVOIR |
| | 14 | 1:36:57 | 37.249 | 116.388 | 0.3 | -0.54 | -0.3 | 61 | AA | 2.4 | 1.7 | AMMONIA TANKS |
| | 14 | 1:36:57 | 37.249 | 116.388 | 0.3 | -0.54 | 0.3 | 61 | AA | 2.4 | 1.7 | AMMONIA TANKS |
| | 14 | 7:20:38 | 37.262 | 115.259 | 0.3 | 9.49 | 0.8 | 116 | AB | --- | 1.1 | BADGER SPRING |
| | 14 | 7:20:38 | 37.262 | 115.259 | 0.3 | 9.49 | 0.8 | 116 | AB | --- | 1.1 | BADGER SPRING |
| | 14 | 11: 0:34 | 37.289 | 116.415 | 0.1 | 0.61 | 0.3 | 93 | AC | --- | 1.0 | SILENT BUTTE |
| | 14 | 11: 0:34 | 37.289 | 116.415 | 0.1 | 0.61 | 0.3 | 93 | AC | --- | 1.0 | SILENT BUTTE |
| | 14 | 13:24: 5 | 36.837 | 117.068 | 0.8 | 2.41 | 2.0 | 233 | BD | 2.4 | 2.4 | NEW YORK BUTTE |
| | 14 | 13:24: 5 | 36.837 | 117.068 | 0.8 | 2.41 | 2.0 | 233 | BD | 2.4 | 2.4 | NEW YORK BUTTE |
| | 14 | 14:30:58 | 37.278 | 115.254 | 0.4 | 4.88 | 2.5 | 102 | BC | 2.1 | 2.2 | BADGER SPRING |
| | 14 | 14:30:58 | 37.278 | 115.254 | 0.4 | 4.88 | 2.5 | 102 | BC | 2.1 | 2.2 | BADGER SPRING |
| | 15 | 16: 0:21 | 37.893 | 116.135 | 0.2 | 0.98 | 0.3 | 105 | AC | --- | 1.6 | REVEILLE PEAK |
| | 15 | 16: 0:21 | 37.893 | 116.135 | 0.2 | 0.98 | 0.3 | 105 | AC | --- | 1.6 | REVEILLE PEAK |
| | 16 | 3:39:31 | 37.182 | 117.606 | 0.6 | 8.71 | 0.9 | 158 | AC | --- | 1.1 | LAST CHANCE RANGE |
| | 16 | 3:39:31 | 37.182 | 117.606 | 0.6 | 8.71 | 0.9 | 158 | AC | --- | 1.1 | LAST CHANCE RANGE |
| | 16 | 5:28:15 | 37.862 | 116.127 | 0.5 | 4.63 | 0.9 | 108 | CC | 2.0 | 1.5 | REVEILLE PEAK |
| | 16 | 5:28:15 | 37.862 | 116.127 | 0.5 | 4.63 | 0.9 | 108 | CC | 2.0 | 1.6 | REVEILLE PEAK |
| | 16 | 18:36:35 | 37.163 | 117.359 | 0.1 | 0.47 | 0.5 | 112 | AC | --- | 1.3 | UBEHEBE CRATER |
| | 16 | 18:36:35 | 37.163 | 117.359 | 0.1 | 0.47 | 0.5 | 112 | AC | --- | 1.3 | UBEHEBE CRATER |
| | 16 | 21: 0: 6 | 36.826 | 115.937 | 0.4 | 10.84 | 0.8 | 182 | AD | --- | 1.0 | FRENCHMAN FLAT |
| | 16 | 21: 0: 6 | 36.826 | 115.937 | 0.4 | 10.84 | 0.8 | 182 | AD | --- | 1.0 | FRENCHMAN FLAT |
| | 16 | 21: 2:53 | 36.832 | 115.934 | 0.4 | 9.11 | 0.9 | 189 | AD | --- | 1.0 | FRENCHMAN FLAT |
| | 16 | 21: 2:53 | 36.832 | 115.934 | 0.4 | 9.11 | 0.9 | 189 | AD | --- | 1.0 | FRENCHMAN FLAT |
| | 17 | 2: 0:46 | 37.347 | 117.219 | 0.3 | 0.08 | 0.3 | 146 | AC | --- | 1.2 | SCOTTYS JUNCTION SW |
| | 17 | 2: 0:46 | 37.347 | 117.219 | 0.3 | 0.08 | 0.3 | 146 | AC | --- | 1.2 | SCOTTYS JUNCTION SW |
| | 17 | 7:14:12 | 37.117 | 115.285 | 1.2 | 3.07* | --- | 243 | CD | 1.4 | 1.5 | DESERT HILLS SE |
| | 17 | 7:14:12 | 37.117 | 115.285 | 1.2 | 3.07* | --- | 243 | CD | 1.4 | 1.5 | DESERT HILLS SE |
| | 17 | 21:14:21 | 37.852 | 116.134 | 0.2 | 0.88 | 0.3 | 105 | AC | --- | 1.3 | REVEILLE PEAK |
| | 17 | 21:14:21 | 37.852 | 116.134 | 0.2 | 0.88 | 0.3 | 105 | AC | --- | 1.3 | REVEILLE PEAK |
| | 18 | 12:26:49 | 37.853 | 116.136 | 0.1 | 5.94 | 1.3 | 105 | AC | --- | 1.4 | REVEILLE PEAK |
| | 18 | 12:26:49 | 37.853 | 116.136 | 0.1 | 5.94 | 1.3 | 105 | AC | --- | 1.4 | REVEILLE PEAK |
| | 19 | 17:33:37 | 37.854 | 116.138 | 0.1 | 1.61 | 0.8 | 106 | AC | 2.1 | 1.6 | REVEILLE PEAK |
| | 19 | 17:33:37 | 37.854 | 116.138 | 0.1 | 1.61 | 0.8 | 106 | AC | 2.1 | 1.6 | REVEILLE PEAK |
| | 20 | 18:52:31 | 37.827 | 116.396 | 0.7 | 14.43 | 1.7 | 149 | AC | --- | 1.7 | QUARTZITE MTN |
| | 20 | 18:52:31 | 37.827 | 116.396 | 0.7 | 14.43 | 1.7 | 149 | AC | --- | 1.7 | QUARTZITE MTN |
| | 21 | 13:19: 1 | 36.784 | 116.145 | 0.1 | 0.16 | 0.3 | 132 | AC | 1.2 | 0.9 | SKULL MTN |
| | 21 | 13:19: 1 | 36.784 | 116.145 | 0.1 | 0.16 | 0.3 | 132 | AC | 1.2 | 0.9 | SKULL MTN |

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1986 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY 21 | 14:55:24 | 36.779 | 117.757 | 0.8 | 2.76 | 3.8 | 222 | BD | 1.8 | 1.7 | WAUCOBA WASH |
| 21 | 14:55:24 | 36.779 | 117.757 | 0.8 | 2.76 | 3.0 | 222 | BD | 1.8 | 1.7 | WAUCOBA WASH |
| 22 | 14:49:25 | 36.763 | 116.236 | 0.3 | 3.38 | 0.6 | 117 | AB | --- | 0.4 | SKULL MTN |
| 22 | 14:49:25 | 36.763 | 116.236 | 0.3 | 3.38 | 0.6 | 117 | AB | --- | 0.4 | SKULL MTN |
| 22 | 19:54:31 | 36.428 | 117.866 | 1.8 | 11.87 | 8.2 | 253 | CD | --- | 2.0 | KEELER |
| 22 | 19:54:31 | 36.428 | 117.866 | 1.8 | 11.87 | 8.2 | 253 | CD | --- | 2.0 | KEELER |
| 24 | 0:59:47 | 37.842 | 117.571 | 0.3 | 5.54 | 2.0 | 90 | BC | --- | 1.4 | LIDA WASH |
| 24 | 0:59:47 | 37.542 | 117.571 | 0.3 | 5.54 | 2.0 | 90 | BC | --- | 1.4 | LIDA WASH |
| 24 | 10:33:38 | 37.217 | 114.853 | 1.0 | 9.58 | 3.2 | 247 | BD | --- | 1.0 | DELAMAR 3 NE |
| 24 | 10:33:38 | 37.217 | 114.853 | 1.0 | 9.58 | 3.2 | 247 | BD | --- | 1.0 | DELAMAR 3 NE |
| 24 | 14:43:27 | 37.854 | 116.129 | 0.5 | 2.79 | 3.1 | 150 | BD | --- | 1.3 | REVEILLE PEAK |
| 24 | 14:43:27 | 37.854 | 116.129 | 0.5 | 2.79 | 3.1 | 150 | BD | --- | 1.3 | REVEILLE PEAK |
| 25 | 8: 1:20 | 37.371 | 117.202 | 0.8 | 3.94 | 2.2 | 112 | BB | 1.5 | 1.4 | GOLD POINT |
| 25 | 8: 1:20 | 37.371 | 117.202 | 0.8 | 3.94 | 2.2 | 112 | BB | 1.5 | 1.4 | GOLD POINT |
| 26 | 18:27:29 | 37.858 | 116.132 | 0.3 | 4.42 | 0.1 | 106 | CC | --- | 1.3 | REVEILLE PEAK |
| 26 | 18:27:29 | 37.858 | 116.132 | 0.3 | 4.42 | 0.1 | 106 | CC | --- | 1.3 | REVEILLE PEAK |
| 27 | 14:38:52 | 36.882 | 116.404 | 0.2 | 7.17 | 0.5 | 133 | AB | 1.7 | 0.9 | LATHROP WELLS NW |
| 27 | 14:38:52 | 36.882 | 116.404 | 0.2 | 7.17 | 0.5 | 133 | AB | 1.7 | 0.9 | LATHROP WELLS NW |
| 27 | 15:42:48 | 37.858 | 116.135 | 0.1 | 5.53 | 1.0 | 107 | AC | 2.0 | 1.8 | REVEILLE PEAK |
| 27 | 15:42:48 | 37.859 | 116.136 | 0.2 | 6.06 | 1.5 | 107 | AC | 2.0 | 1.8 | REVEILLE PEAK |
| 27 | 19:42:19 | 37.282 | 114.943 | 0.7 | 12.29 | 0.9 | 247 | AD | --- | 1.8 | ELGIN |
| 27 | 19:42:19 | 37.282 | 114.943 | 0.7 | 12.29 | 0.9 | 247 | AD | --- | 1.8 | ELGIN |
| 27 | 23: 2:45 | 37.856 | 116.132 | 0.1 | 0.25 | 0.2 | 106 | AC | 1.8 | 1.8 | REVEILLE PEAK |
| 27 | 23: 2:45 | 37.856 | 116.132 | 0.1 | 0.25 | 0.2 | 106 | AC | 1.8 | 1.8 | REVEILLE PEAK |
| 28 | 13:15:16 | 37.855 | 116.133 | 0.3 | 4.32 | 0.5 | 106 | CC | 1.6 | 1.8 | REVEILLE PEAK |
| 28 | 13:15:16 | 37.855 | 116.133 | 0.3 | 4.32 | 0.5 | 106 | CC | 1.6 | 1.8 | REVEILLE PEAK |
| 28 | 17:27:12 | 37.853 | 116.132 | 0.2 | 0.83 | 0.2 | 106 | AC | --- | 1.5 | REVEILLE PEAK |
| 28 | 17:27:12 | 37.853 | 116.132 | 0.2 | 0.83 | 0.2 | 106 | AC | --- | 1.5 | REVEILLE PEAK |
| 28 | 23: 1:20 | 37.360 | 116.134 | 0.2 | 0.86 | 0.6 | 55 | AC | 2.0 | 1.8 | QUARTET DOME |
| 28 | 23: 1:20 | 37.360 | 116.134 | 0.2 | 0.86 | 0.6 | 55 | AC | 2.0 | 1.8 | QUARTET DOME |
| 28 | 23: 3:24 | 36.836 | 115.823 | 0.4 | 10.98 | 0.8 | 259 | AD | --- | 0.8 | FRENCHMAN LAKE SE |
| 28 | 23: 3:24 | 36.836 | 115.823 | 0.4 | 10.98 | 0.8 | 259 | AD | --- | 0.8 | FRENCHMAN LAKE SE |
| 29 | 1:35: 5 | 37.797 | 115.873 | 0.4 | 6.38 | 2.0 | 159 | BC | 1.3 | 1.5 | WORTHINGTON MTNS |
| 29 | 1:35: 5 | 37.797 | 115.873 | 0.4 | 6.38 | 2.0 | 159 | BC | 1.3 | 1.5 | WORTHINGTON MTNS |
| 29 | 3:32:56 | 37.858 | 116.133 | 0.2 | 0.78 | 0.3 | 107 | AC | 1.8 | 1.8 | REVEILLE PEAK |
| 29 | 3:32:56 | 37.858 | 116.133 | 0.2 | 0.78 | 0.3 | 107 | AC | 1.8 | 1.8 | REVEILLE PEAK |
| 29 | 5:31:12 | 37.855 | 116.135 | 0.1 | 0.88 | 0.2 | 194 | AC | 1.7 | 1.5 | REVEILLE PEAK |
| 29 | 5:31:12 | 37.855 | 116.135 | 0.1 | 0.88 | 0.2 | 106 | AC | 1.7 | 1.5 | REVEILLE PEAK |
| 29 | 12: 8:52 | 37.345 | 117.241 | 0.4 | 0.39 | 0.3 | 114 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 29 | 12: 8:52 | 37.345 | 117.241 | 0.4 | 0.39 | 0.3 | 114 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 30 | 4: 1:59 | 37.294 | 115.205 | 0.2 | 4.87 | 1.1 | 138 | AC | --- | 1.5 | ALAMO |
| 30 | 4: 1:59 | 37.294 | 115.205 | 0.2 | 4.87 | 1.1 | 138 | AC | --- | 1.5 | ALAMO |
| 31 | 0:26:55 | 37.165 | 117.402 | 0.2 | 7.19 | 1.0 | 199 | AC | --- | 1.4 | UBEHEBE CRATER |
| 31 | 0:26:55 | 37.165 | 117.402 | 0.2 | 7.19 | 1.0 | 199 | AC | --- | 1.4 | UBEHEBE CRATER |
| 31 | 14:45:49 | 36.714 | 116.496 | 0.2 | 2.82 | 1.6 | 156 | AC | 1.6 | 1.3 | BLACK HILLS NW |
| 31 | 14:45:49 | 36.714 | 116.496 | 0.2 | 2.82 | 1.6 | 156 | AC | 1.6 | 1.3 | BLACK HILLS NW |
| 31 | 15:37: 6 | 37.161 | 117.405 | 0.1 | 6.25 | 0.8 | 111 | AC | 1.8 | 2.1 | UBEHEBE CRATER |
| 31 | 15:37: 6 | 37.161 | 117.405 | 0.1 | 6.25 | 0.8 | 111 | AC | 1.8 | 2.1 | UBEHEBE CRATER |
| 31 | 19:57:18 | 36.584 | 115.782 | 0.3 | 1.66 | 0.5 | 205 | AD | --- | 1.3 | MERCURY SE |
| 31 | 19:57:18 | 36.584 | 115.782 | 0.3 | 1.66 | 0.5 | 205 | AD | --- | 1.3 | MERCURY SE |
| 31 | 19:51:37 | 37.857 | 116.136 | 0.3 | 0.51 | 0.5 | 107 | AC | --- | 1.4 | REVEILLE PEAK |
| 31 | 19:51:37 | 37.857 | 116.136 | 0.3 | 0.51 | 0.5 | 107 | AC | --- | 1.4 | REVEILLE PEAK |
| JUN 1 | 9: 3:34 | 37.863 | 116.136 | 0.3 | 5.24 | 5.2 | 108 | CC | 2.1 | 2.5 | REVEILLE PEAK |
| 1 | 14:11:42 | 36.460 | 115.746 | 0.2 | 6.08 | 1.3 | 150 | AC | --- | 1.2 | CHARLESTON PEAK |
| 1 | 14:52:14 | 37.270 | 115.893 | 0.5 | 7.29 | 0.9 | 177 | AC | --- | 1.1 | ALAMO SE |
| 2 | 4:38:24 | 37.854 | 116.134 | 0.5 | 4.17* | --- | 106 | CC | --- | 1.3 | REVEILLE PEAK |
| 2 | 10:13:16 | 37.453 | 115.438 | 0.2 | 9.81 | 0.9 | 167 | AC | --- | 1.4 | CRESCENT RESERVOIR |
| 3 | 4:33:31 | 37.858 | 116.132 | 0.2 | 1.92 | 0.8 | 107 | AC | --- | 1.3 | REVEILLE PEAK |
| 3 | 9:26: 8 | 37.348 | 117.238 | 0.3 | -0.25 | 0.3 | 116 | AB | --- | 0.9 | SCOTTYS JUNCTION SW |
| 3 | 10: 6:17 | 37.812 | 116.291 | 0.2 | 4.69 | 0.5 | 84 | AB | --- | 0.7 | BUCKBOARD MESA |
| 3 | 10:30:57 | 36.873 | 116.196 | 0.3 | 0.48 | 0.2 | 119 | AB | --- | 1.0 | SKULL MTN |
| 3 | 21: 2:19 | 37.244 | 117.616 | 0.3 | 10.82 | 0.5 | 90 | AB | --- | 1.5 | LAST CHANCE RANGE |
| 4 | 0:42:42 | 37.858 | 116.138 | 0.3 | 0.47 | 0.4 | 106 | AC | --- | 1.4 | REVEILLE PEAK |
| 4 | 3: 1:58 | 36.921 | 117.033 | 0.3 | 4.98 | 2.2 | 198 | BD | 1.7 | 1.7 | DRY MTN |
| 4 | 4:47:58 | 37.854 | 116.133 | 0.3 | 0.59 | 0.4 | 106 | AC | --- | 1.4 | REVEILLE PEAK |
| 4 | 5:34:12 | 37.348 | 117.244 | 0.4 | -0.36 | 0.3 | 181 | AC | --- | 0.9 | SCOTTYS JUNCTION SW |

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1986 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN 4 | 12:50: 8 | 37.863 | 116.131 | 0.5 | 0.54 | 0.8 | 198 | AC | --- | 1.5 | REVEILLE PEAK |
| 4 | 15: 7:39 | 37.345 | 117.230 | 0.2 | 1.49 | 0.6 | 54 | AB | 2.7 | 3.2 | SCOTTYS JUNCTION SW |
| 4 | 15:11:19 | 37.353 | 117.234 | 0.3 | -0.76 | 0.3 | 117 | AB | --- | 1.3 | SCOTTYS JUNCTION SW |
| 4 | 15:27: 9 | 37.348 | 117.227 | 0.2 | 0.08 | 0.2 | 117 | AB | --- | 1.3 | SCOTTYS JUNCTION SW |
| 4 | 15:54:13 | 37.352 | 117.237 | 0.3 | -0.77 | 0.3 | 116 | AB | --- | 1.2 | SCOTTYS JUNCTION SW |
| 4 | 16:49:31 | 37.356 | 117.243 | 0.4 | -1.10 | 0.3 | 116 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 4 | 19:10:51 | 37.346 | 117.245 | 0.2 | 0.34 | 0.2 | 114 | AB | 1.8 | 1.7 | SCOTTYS JUNCTION SW |
| 4 | 22: 3:27 | 37.871 | 116.141 | 0.9 | 2.97 | 7.2 | 109 | CC | 1.6 | --- | REVEILLE PEAK |
| 5 | 4: 1:53 | 37.344 | 117.224 | 0.3 | 0.38 | 0.1 | 215 | AD | --- | 1.1 | SCOTTYS JUNCTION SW |
| 5 | 7:37: 8 | 37.353 | 117.227 | 0.2 | -0.54 | 0.2 | 117 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 5 | 9:55:19 | 37.336 | 114.834 | 0.4 | 5.02 | 1.8 | 224 | AD | --- | 1.2 | GREGERSON BASIN |
| 5 | 14: 5: 6 | 37.323 | 115.213 | 0.6 | 7.42 | 2.1 | 115 | BC | --- | 1.2 | ALAMO |
| 5 | 15: 3:08 | 37.094 | 116.009 | 0.2 | -0.50 | 5.3 | 88 | CC | --- | 0.2 | YUCCA FLAT |
| 5 | 17:49:25 | 37.348 | 117.230 | 0.4 | -0.82 | 0.3 | 116 | AB | --- | 1.4 | SCOTTYS JUNCTION SW |
| 6 | 1:27:31 | 37.332 | 117.253 | 1.3 | 3.07 | 1.6 | 111 | BB | --- | 1.3 | GOLD POINT |
| 6 | 16:50:14 | 37.132 | 116.582 | 0.5 | 11.77 | 1.0 | 130 | AC | --- | 1.0 | THIRSTY CANYON NE |
| 6 | 19:48:54 | 37.857 | 116.129 | 0.4 | 0.35 | 0.7 | 107 | AC | --- | 1.0 | REVEILLE PEAK |
| 7 | 1:16:29 | 37.349 | 117.244 | 0.2 | -0.49 | 0.2 | 115 | AB | --- | 1.0 | SCOTTYS JUNCTION SW |
| 7 | 11:22:20 | 37.348 | 117.239 | 0.2 | 0.24 | 0.2 | 134 | AB | --- | 1.0 | SCOTTYS JUNCTION SW |
| 7 | 18:19:48 | 37.341 | 117.237 | 0.7 | 0.50 | 2.8 | 70 | BA | 2.1 | --- | SCOTTYS JUNCTION SW |
| 8 | 2:44:45 | 37.871 | 116.132 | 0.2 | 5.72 | 2.4 | 109 | BC | --- | 1.4 | REVEILLE PEAK |
| 8 | 8:58:33 | 37.883 | 116.138 | 0.5 | 7.79 | 3.9 | 108 | BC | --- | 1.7 | REVEILLE PEAK |
| 9 | 6:14: 4 | 37.348 | 117.236 | 0.4 | -0.98 | 4.5 | 61 | AB | 1.0 | --- | SCOTTYS JUNCTION SW |
| 10 | 2:35:27 | 37.282 | 116.279 | 0.6 | 1.00 | 1.0 | 75 | BA | --- | 1.4 | AMMONIA TANKS |
| 10 | 7:16:46 | 37.341 | 117.245 | 0.2 | 0.47 | 0.1 | 50 | AA | 2.0 | 2.1 | SCOTTYS JUNCTION SW |
| 10 | 8:39:42 | 37.882 | 116.131 | 0.4 | 4.80 | 7.8 | 107 | CC | 1.7 | 2.0 | REVEILLE PEAK |
| 10 | 12:59:44 | 37.894 | 116.255 | 0.2 | 0.60 | 0.6 | 75 | AB | 1.5 | 1.2 | BUCKBOARD MESA |
| 10 | 14:56:48 | 37.352 | 117.243 | 0.3 | -0.28 | 0.2 | 115 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 10 | 22: 8:22 | 37.350 | 117.230 | 0.4 | -0.59 | 0.3 | 115 | AB | 1.6 | 1.4 | SCOTTYS JUNCTION SW |
| 11 | 2:51: 5 | 37.351 | 117.235 | 0.3 | -0.05 | 0.2 | 63 | AB | 1.6 | 1.5 | SCOTTYS JUNCTION SW |
| 11 | 3:15:38 | 37.854 | 116.133 | 0.3 | 0.06 | 0.5 | 106 | AC | --- | 1.2 | REVEILLE PEAK |
| 11 | 8:50:46 | 37.871 | 116.129 | 0.1 | 0.46 | 0.1 | 109 | AC | 1.8 | 2.1 | REVEILLE PEAK |
| 11 | 16:56: 2 | 37.351 | 117.241 | 0.4 | -0.29 | 0.3 | 115 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 11 | 17:23:44 | 37.352 | 117.233 | 0.2 | -0.02 | 0.2 | 116 | AB | --- | 1.2 | SCOTTYS JUNCTION SW |
| 11 | 18:48:33 | 37.881 | 116.130 | 0.4 | 4.76 | 7.6 | 107 | CC | 1.9 | 2.1 | REVEILLE PEAK |
| 11 | 21:56:10 | 36.735 | 116.145 | 0.0 | 5.02 | 2.2 | 125 | BB | --- | 0.9 | SPECTER RANGE NW |
| 12 | 4:18:34 | 37.348 | 117.239 | 0.2 | 0.12 | 0.2 | 115 | AB | --- | 1.0 | SCOTTYS JUNCTION SW |
| 12 | 5:53:24 | 36.888 | 116.410 | 0.3 | 4.15 | 1.6 | 43 | BB | 1.6 | 1.3 | LATHROP WELLS SW |
| 12 | 11:34:31 | 37.857 | 116.132 | 0.2 | 0.15 | 0.3 | 108 | AC | --- | 1.5 | REVEILLE PEAK |
| 12 | 13:48:26 | 37.856 | 116.132 | 0.4 | 0.17 | 0.6 | 106 | AC | --- | 1.1 | REVEILLE PEAK |
| 13 | 0:41:51 | 37.853 | 116.130 | 0.5 | -0.07 | 0.8 | 106 | AC | --- | 1.4 | REVEILLE PEAK |
| 13 | 7:23: 6 | 37.381 | 117.045 | 0.3 | -0.94 | 0.3 | 119 | AB | --- | 1.4 | MAGRUDER MTN |
| 13 | 8:30:38 | 37.236 | 117.453 | 0.4 | 11.80 | 1.0 | 110 | AB | --- | 1.1 | UBEHEBE CRATER |
| 13 | 14:55:38 | 37.882 | 116.129 | 0.4 | 0.40 | 0.7 | 108 | AC | 2.0 | 1.7 | REVEILLE PEAK |
| 13 | 17:18:33 | 37.854 | 116.137 | 0.1 | 0.74 | 0.2 | 105 | AC | --- | 1.6 | REVEILLE PEAK |
| 13 | 18: 5:35 | 37.883 | 116.125 | 0.4 | 4.12* | --- | 108 | CC | 1.6 | 1.7 | REVEILLE PEAK |
| 13 | 22:52:29 | 37.860 | 116.132 | 0.5 | 5.02 | 8.3 | 107 | CC | --- | 1.5 | REVEILLE PEAK |
| 13 | 23:17:20 | 37.867 | 116.129 | 0.3 | -0.03 | 0.6 | 109 | AC | 1.9 | 2.2 | REVEILLE PEAK |
| 14 | 9:52:21 | 37.850 | 116.133 | 0.1 | 0.69 | 0.1 | 106 | AC | 1.5 | 1.8 | REVEILLE PEAK |
| 14 | 20: 6: 7 | 37.864 | 116.128 | 0.4 | 0.35 | 0.6 | 108 | AC | 1.7 | 1.9 | REVEILLE PEAK |
| 14 | 22:40:18 | 37.253 | 115.002 | 0.4 | -0.29 | 0.4 | 198 | AD | 2.1 | 2.3 | ALAMO SE |
| 14 | 22:45:25 | 37.253 | 115.008 | 0.5 | 0.03 | 0.7 | 158 | AC | 1.9 | 1.9 | ALAMO SE |
| 15 | 0:35:34 | 36.884 | 116.183 | 0.3 | 0.25 | 0.1 | 196 | AD | 1.4 | 1.1 | MINE MTN |
| 15 | 2:31:46 | 37.859 | 116.133 | 0.1 | 0.08 | 0.2 | 107 | AC | --- | 1.7 | REVEILLE PEAK |
| 15 | 5:53:46 | 37.857 | 116.132 | 0.4 | 5.39 | 5.7 | 106 | CC | --- | 1.7 | REVEILLE PEAK |
| 15 | 17:55:47 | 37.858 | 116.132 | 0.3 | 0.21 | 0.4 | 107 | AC | 1.7 | 1.5 | REVEILLE PEAK |
| 15 | 19:41:49 | 37.334 | 117.255 | 0.3 | 1.99 | 0.4 | 111 | AB | --- | 1.1 | GOLD POINT |
| 17 | 0:26:53 | 36.456 | 117.536 | 0.9 | -0.42 | 0.8 | 230 | BD | 2.1 | 2.3 | DARWIN |
| 17 | 1:43: 8 | 37.340 | 117.252 | 0.2 | 0.45 | 0.1 | 112 | AB | --- | 1.4 | GOLD POINT |
| 17 | 11:20:41 | 37.860 | 116.132 | 0.4 | 4.77 | 7.5 | 107 | CC | 1.9 | 1.9 | REVEILLE PEAK |
| 17 | 13:41:22 | 37.882 | 116.136 | 0.3 | 4.07 | 7.2 | 105 | CC | --- | 1.4 | REVEILLE PEAK |
| 17 | 18:33:15 | 37.867 | 116.128 | 0.4 | 0.09 | 0.6 | 109 | AC | 1.8 | 2.3 | REVEILLE PEAK |
| 17 | 19:32:34 | 37.857 | 116.131 | 0.3 | -0.38 | 0.4 | 107 | AC | --- | 1.6 | REVEILLE PEAK |
| 18 | 14:38:32 | 36.384 | 117.475 | 0.7 | 5.81 | 5.1 | 239 | CD | 2.2 | 2.1 | PANAMINT BUTTE |
| 18 | 14:39:55 | 36.384 | 117.468 | 0.9 | 4.34* | --- | 237 | CD | --- | 1.4 | PANAMINT BUTTE |
| 18 | 18:33:60 | 37.868 | 116.128 | 1.5 | 0.56 | 3.0 | 109 | BC | --- | 1.5 | REVEILLE PEAK |

9075900/611

1986 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| JUN 18 20:40:16 | 37.147 | 117.381 | 0.4 | 7.73 | 1.0 | 125 | AC | --- | 1.3 | UBEHEBE CRATER |
| 18 20:43:34 | 37.151 | 117.397 | 0.2 | 6.17 | 0.9 | 111 | AC | 2.0 | 1.7 | UBEHEBE CRATER |
| 18 20:49:57 | 37.147 | 117.399 | 0.3 | 9.53 | 0.9 | 123 | AB | --- | 1.3 | UBEHEBE CRATER |
| 18 21: 0:00 | 37.144 | 117.378 | 0.6 | 11.04 | 1.7 | 138 | AC | --- | 0.9 | UBEHEBE CRATER |
| 18 21: 7:26 | 37.149 | 117.398 | 0.2 | 6.93 | 1.1 | 112 | AC | 2.4 | 2.6 | UBEHEBE CRATER |
| 18 21: 9:52 | 37.125 | 117.382 | 0.6 | 7.41 | 1.7 | 260 | AD | --- | 1.1 | UBEHEBE CRATER |
| 18 21:13:22 | 37.150 | 117.391 | 0.4 | 8.39 | 1.0 | 122 | AC | --- | 1.7 | UBEHEBE CRATER |
| 18 21:20:23 | 37.155 | 117.381 | 0.8 | 11.49 | 1.5 | 135 | AC | --- | 1.1 | UBEHEBE CRATER |
| 18 22: 2: 5 | 37.154 | 117.393 | 0.4 | 9.01 | 1.2 | 120 | AD | --- | 1.3 | UBEHEBE CRATER |
| 18 23: 3:49 | 37.151 | 117.394 | 0.2 | 7.08 | 0.8 | 111 | AC | 2.0 | 2.4 | UBEHEBE CRATER |
| 18 23: 5:52 | 37.145 | 117.388 | 0.3 | 9.33 | 0.6 | 127 | AB | --- | 1.0 | UBEHEBE CRATER |
| 18 23:24:40 | 37.154 | 117.390 | 0.3 | 7.85 | 1.0 | 121 | AC | --- | 1.5 | UBEHEBE CRATER |
| 19 0:23:35 | 37.344 | 117.248 | 0.3 | 0.14 | 0.2 | 113 | AB | 1.7 | 1.4 | SCOTTYS JUNCTION SW |
| 20 19:10:31 | 37.842 | 116.155 | 0.5 | 1.42 | 1.0 | 261 | AD | --- | 1.0 | REVEILLE PEAK |
| 20 23:20:55 | 37.353 | 117.237 | 0.3 | -0.44 | 0.3 | 94 | AB | --- | 1.0 | SCOTTYS JUNCTION SW |
| 21 3:11:30 | 36.187 | 115.910 | 0.8 | 4.76 | 5.5 | 284 | CD | --- | 1.5 | PAHRUMP |
| 21 11: 5:58 | 36.968 | 117.929 | 0.5 | 7.84 | 5.1 | 230 | CD | 1.7 | 2.1 | WAUCOBA WASH |
| 21 14:27:55 | 36.739 | 115.511 | 0.3 | 5.28 | 9.1 | 159 | CC | 1.9 | 1.8 | HEAVENS WELL |
| 21 15:55:54 | 37.348 | 117.236 | 0.2 | 0.38 | 0.2 | 54 | AB | 2.0 | 2.2 | SCOTTYS JUNCTION SW |
| 22 3:11:50 | 37.853 | 116.135 | 0.1 | 1.73 | 0.5 | 106 | AC | --- | 1.3 | REVEILLE PEAK |
| 22 8:33:45 | 37.151 | 117.391 | 0.4 | 10.99 | 1.0 | 127 | AB | --- | 1.2 | UBEHEBE CRATER |
| 22 15:40:24 | 36.689 | 115.780 | 2.3 | 11.88 | 1.8 | 164 | CC | --- | 1.3 | MERCURY SE |
| 23 15:31:52 | 37.348 | 117.282 | 0.4 | 5.18 | 0.5 | 127 | AB | --- | 1.1 | GOLD POINT |
| 23 15:36:44 | 37.347 | 117.285 | 0.2 | 5.15 | 0.6 | 92 | AB | 1.8 | 1.6 | GOLD POINT |
| 23 15:37:25 | 37.354 | 117.287 | 0.8 | 4.54 | 1.2 | 160 | AC | --- | 1.8 | GOLD POINT |
| 23 15:41:22 | 37.366 | 117.275 | 1.0 | 4.02 | 2.0 | 166 | BC | --- | 1.0 | GOLD POINT |
| 24 1:36: 4 | 36.858 | 116.004 | 0.4 | 4.85 | 1.3 | 84 | AB | 1.6 | 1.3 | CANE SPRING |
| 24 2: 8:10 | 36.850 | 116.007 | 0.1 | 0.41 | 0.3 | 136 | AC | --- | 1.0 | CANE SPRING |
| 24 2:41: 7 | 36.725 | 116.458 | 0.4 | 8.16 | 0.6 | 255 | AD | --- | 0.2 | LATHROP WELLS NW |
| 24 13:20:53 | 37.151 | 117.391 | 0.2 | 5.69 | 1.0 | 127 | AC | --- | 1.1 | UBEHEBE CRATER |
| 25 14:11: 3 | 37.866 | 116.131 | 0.5 | 1.33 | 1.5 | 108 | AC | --- | 1.4 | REVEILLE PEAK |
| 25 14:16: 6 | 37.099 | 116.237 | 0.2 | 4.18 | 1.9 | 107 | AC | --- | 0.9 | TIPPIPAH SPRING |
| 25 15:43:52 | 37.363 | 114.956 | 0.8 | 3.89 | 2.8 | 108 | BD | 1.6 | 1.5 | DELAMAR LAKE |
| 25 21:25:22 | 37.238 | 114.848 | 0.7 | 4.34 | 9.4 | 243 | CD | --- | 0.2 | DELAMAR 3 NE |
| 25 22:37:46 | 37.853 | 116.134 | 0.3 | 1.00 | 0.8 | 106 | AC | --- | 1.3 | REVEILLE PEAK |
| 26 15:52:48 | 37.294 | 116.414 | 0.4 | 4.15 | 1.9 | 103 | BC | --- | 1.1 | SILENT BUTTE |
| 27 3: 8:45 | 36.781 | 115.805 | 0.4 | 5.49 | 1.4 | 153 | AC | --- | 1.0 | FRENCHMAN FLAT |
| 27 11:30:39 | 37.852 | 116.134 | 0.1 | 0.68 | 0.2 | 105 | AC | --- | 1.3 | REVEILLE PEAK |
| 27 18:20:54 | 37.871 | 116.127 | 0.3 | -0.57 | 0.5 | 109 | AC | 2.0 | 2.2 | REVEILLE PEAK |
| 27 19:12:41 | 37.298 | 116.283 | 0.3 | 0.51 | 1.1 | 147 | AC | --- | 0.9 | DEAD HORSE FLAT |
| 27 20:28:30 | 36.761 | 115.532 | 0.4 | 5.71* | --- | 152 | CC | --- | 1.5 | TIM SPRING |
| 27 20:45:32 | 37.735 | 115.249 | 0.3 | 5.59 | 3.4 | 90 | BC | --- | 1.3 | FOSSIL PEAK |
| 28 0:22:42 | 36.198 | 116.842 | 0.9 | 18.41 | 1.8 | 125 | AB | --- | 1.1 | BENNETTS WELL |
| 28 13:48:38 | 37.351 | 117.238 | 0.3 | -0.85 | 0.3 | 116 | AB | --- | 1.2 | SCOTTYS JUNCTION SW |
| 28 14:45:59 | 36.755 | 115.535 | 0.4 | 8.42 | 2.8 | 151 | BC | --- | 1.5 | TIM SPRING |
| 28 14:52:54 | 36.757 | 115.533 | 0.2 | 4.98 | 3.9 | 152 | BC | --- | 1.6 | TIM SPRING |
| 29 7: 9: 3 | 37.862 | 116.129 | 0.5 | 0.49 | 0.8 | 108 | BC | 2.1 | 1.9 | REVEILLE PEAK |
| 29 7: 9: 3 | 37.878 | 116.118 | 0.7 | -1.63 | 0.7 | 173 | BC | 1.4 | --- | REVEILLE PEAK |
| 29 16:50:49 | 37.86. | 116.132 | 0.4 | 0.57 | 0.6 | 107 | AC | --- | 1.5 | REVEILLE PEAK |
| 29 23:57:51 | 37.103 | 116.263 | 0.2 | 5.39 | 0.6 | 93 | AB | 1.2 | 1.1 | BUCKBOARD MESA |
| 30 5:16:51 | 37.097 | 116.256 | 0.3 | 5.46 | 1.0 | 98 | AB | --- | 1.0 | BUCKBOARD MESA |
| 30 13:56:39 | 37.343 | 117.238 | 0.2 | 0.26 | 0.2 | 78 | AB | 2.0 | 1.7 | SCOTTYS JUNCTION SW |
| 30 14: 4:58 | 37.864 | 116.132 | 0.4 | -0.35 | 0.6 | 106 | AC | --- | 1.2 | REVEILLE PEAK |
| 30 16: 2:36 | 37.861 | 116.132 | 0.1 | -0.86 | 0.3 | 107 | AC | 1.8 | 1.8 | REVEILLE PEAK |
| 30 19: 2:40 | 37.855 | 116.135 | 0.2 | 5.01 | 3.5 | 106 | BC | 2.2 | 1.8 | REVEILLE PEAK |
| 30 20: 3:20 | 37.327 | 115.203 | 0.2 | -0.11 | 0.4 | 118 | AC | 2.3 | 2.5 | ALAMO |
| 30 20:30:38 | 37.240 | 114.859 | 1.3 | 8.58 | 4.7 | 240 | BD | --- | 1.4 | DELAMAR 3 NE |
| 30 23:48:21 | 37.888 | 116.129 | 0.3 | 0.29 | 0.5 | 109 | AC | 2.0 | 2.1 | REVEILLE PEAK |
| JUL 1 2:38:49 | 37.587 | 116.241 | 0.2 | 4.85 | 1.5 | 78 | AC | 1.3 | 1.3 | BELTED PEAK |
| 1 10: 3: 5 | 37.773 | 115.872 | 0.2 | 5.51 | 0.8 | 121 | AC | 1.8 | 1.3 | WHITE RIVER NARROWS |
| 1 14:28:44 | 37.884 | 116.179 | 0.4 | 0.01 | 0.6 | 108 | AC | 2.0 | 2.0 | REVEILLE PEAK |
| 1 16:49:49 | 36.780 | 116.230 | 0.6 | 12.48 | 0.7 | 176 | AC | --- | 0.8 | SKULL MTN |
| 1 18:38: 2 | 37.382 | 117.243 | 0.4 | -0.64 | 0.3 | 115 | AB | --- | 1.3 | SCOTTYS JUNCTION SW |
| 2 0:47:41 | 37.178 | 117.394 | 0.2 | 0.74 | 0.2 | 104 | AC | 2.0 | 1.6 | UBEHEBE CRATER |
| 2 2:17: 5 | 37.861 | 116.128 | 0.5 | 0.42 | 0.6 | 108 | AC | --- | 1.4 | REVEILLE PEAK |
| 2 2:52:56 | 37.182 | 117.404 | 0.3 | 7.07 | 1.1 | 121 | AC | --- | 1.3 | UBEHEBE CRATER |

9075900612

1986 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | DUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 2 6:39:41 | 37.177 | 117.409 | 0.2 | 5.41 | 1.2 | 118 | AC | --- | 1.4 | UBEHEBE CRATER |
| 2 8: 3: 4 | 36.596 | 116.389 | 0.1 | 7.74 | 0.4 | 160 | AC | --- | 1.1 | LATHROP WELLS SW |
| 2 8:10:22 | 36.599 | 116.497 | 0.2 | 9.03 | 1.0 | 39 | AB | 2.5 | 3.0 | LATHROP WELLS SW |
| 2 9:25:40 | 36.598 | 116.487 | 0.2 | 4.56 | 1.5 | 71 | AB | 1.6 | 1.0 | LATHROP WELLS SW |
| 2 15:35:20 | 36.755 | 115.527 | 0.4 | 1.26 | 1.7 | 153 | AC | 2.0 | 2.0 | TIM SPRING |
| 2 15:36: 1 | 36.747 | 115.526 | 0.2 | 0.39 | 0.4 | 154 | AC | 2.0 | 1.5 | HEAVENS WELL |
| 2 15:37:44 | 36.765 | 115.533 | 0.4 | 3.08* | --- | 151 | CC | 2.0 | 1.9 | TIM SPRING |
| 2 15:49:54 | 36.744 | 115.541 | 0.6 | 4.96 | 4.3 | 263 | BD | --- | 1.1 | HEAVENS WELL |
| 2 16:55:31 | 36.762 | 115.536 | 0.3 | 2.86 | 1.0 | 151 | AC | --- | 1.5 | TIM SPRING |
| 2 16:57: 1 | 36.712 | 115.580 | 0.7 | 2.95 | 2.7 | 254 | BD | --- | 1.0 | HEAVENS WELL |
| 2 16:58:10 | 36.756 | 115.532 | 0.3 | 0.82 | 0.5 | 152 | AC | --- | 1.3 | TIM SPRING |
| 3 4: 5:38 | 37.351 | 117.233 | 0.3 | -0.84 | 0.2 | 116 | AB | --- | 1.2 | SCOTTYS JUNCTION SW |
| 3 6:11:27 | 37.349 | 117.238 | 0.3 | -0.34 | 0.2 | 71 | AB | 1.8 | 1.5 | SCOTTYS JUNCTION SW |
| 3 9:41:39 | 36.661 | 116.274 | 0.4 | 2.15 | 0.5 | 234 | AD | --- | 0.6 | LATHROP WELLS SE |
| 3 9:44:58 | 36.758 | 115.531 | 0.8 | 2.42 | 3.7 | 153 | BC | --- | 1.0 | TIM SPRING |
| 3 23:11:57 | 36.747 | 115.549 | 0.6 | 0.62 | 0.5 | 202 | AD | --- | 1.4 | HEAVENS WELL |
| 3 23:14:32 | 36.762 | 115.541 | 0.3 | 0.35 | 0.6 | 95 | BC | 1.9 | 1.9 | TIM SPRING |
| 4 3:59:12 | 37.354 | 117.242 | 0.3 | -0.85 | 0.2 | 116 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 4 13:31: 7 | 35.787 | 116.566 | 0.7 | 4.71* | --- | 261 | CD | --- | 2.4 | CONFIDENCE HILLS |
| 4 13:42:23 | 37.881 | 116.130 | 0.3 | 0.87 | 0.4 | 108 | AC | --- | 1.0 | TIPPIPAH SPRING |
| 4 18: 9: 9 | 36.891 | 116.112 | 0.4 | 4.37 | 1.1 | 79 | BB | 1.9 | 1.6 | YUCCA LAKE |
| 4 18:27:18 | 36.343 | 116.869 | 0.3 | 9.82 | 1.1 | 92 | AB | 1.8 | 1.7 | FURNACE CREEK |
| 4 19:22:27 | 37.024 | 116.334 | 0.6 | 4.71 | 0.5 | 274 | AD | --- | 0.4 | BUCKBOARD MESA |
| 5 10: 0:48 | 36.735 | 115.510 | 0.8 | 1.82 | 4.8 | 198 | BC | 1.1 | --- | HEAVENS WELL |
| 5 14: 4:16 | 37.339 | 117.243 | 0.3 | 2.59** | 0.5 | 83 | AA | 2.6 | 2.5 | SCOTTYS JUNCTION SW |
| 5 18:30:00 | 37.109 | 117.227 | 0.5 | 1.38 | 2.4 | 88 | CC | 1.4 | --- | BONNIE CLAIRE SW |
| 5 19:40:28 | 37.384 | 114.677 | 1.7 | 7.02 | 1.0 | 243 | BD | 1.4 | --- | SLIDY MTN |
| 7 1: 5: 1 | 36.798 | 115.539 | 2.4 | 2.92* | --- | 194 | CD | 1.3 | --- | TIM SPRING |
| 7 8:47:10 | 37.876 | 116.132 | 0.9 | -0.60 | 2.2 | 110 | CC | 1.5 | --- | REVEILLE PEAK |
| 7 9: 5: 1 | 36.725 | 115.551 | 0.8 | 2.76 | 0.9 | 113 | CC | 1.6 | --- | HEAVENS WELL |
| 7 9:27:53 | 36.735 | 115.557 | 1.1 | 0.63 | 0.7 | 111 | CC | 1.4 | --- | HEAVENS WELL |
| 8 3: 2:49 | 36.645 | 117.195 | 0.3 | 11.87 | 0.5 | 112 | AB | 2.4 | 2.6 | STOVEPIPE WELLS |
| 8 6:48:16 | 36.883 | 116.113 | 0.3 | 3.81 | 0.9 | 108 | AB | 1.4 | 0.9 | YUCCA LAKE |
| 8 7:38:28 | 36.762 | 115.544 | 0.2 | 7.09 | 2.1 | 149 | BC | --- | 1.1 | TIM SPRING |
| 8 12:31:47 | 37.357 | 115.000 | 0.3 | 4.78 | 0.8 | 178 | AC | 1.4 | 1.5 | ALAMO SE |
| 8 13:14: 6 | 37.360 | 115.001 | 0.3 | 5.16 | 0.6 | 177 | AC | 1.4 | 1.3 | ALAMO SE |
| 8 14:10: 1 | 37.353 | 114.990 | 0.5 | 4.91 | 1.0 | 152 | AD | 1.8 | 2.1 | DELAMAR LAKE |
| 8 23:20:20 | 36.600 | 116.395 | 0.3 | 5.78 | 0.7 | 152 | AC | --- | 1.0 | LATHROP WELLS SW |
| 9 1:45:32 | 37.355 | 114.988 | 0.8 | 4.17 | 2.1 | 189 | BD | --- | 1.1 | DELAMAR LAKE |
| 9 10:50: 4 | 37.305 | 115.765 | 0.3 | 2.04 | 0.5 | 109 | AB | 1.8 | 1.8 | GROOM MINE SE |
| 9 10:51:55 | 37.305 | 115.767 | 0.2 | 0.79 | 0.2 | 77 | AC | 1.7 | 1.4 | GROOM MINE SE |
| 9 12:47:19 | 37.230 | 116.309 | 0.2 | -1.09 | 0.2 | 61 | AA | 1.8 | 1.7 | DEAD HORSE FLAT |
| 9 17: 0:20 | 36.559 | 115.760 | 0.4 | 0.60 | 0.5 | 163 | AC | 1.7 | 1.7 | MERCURY SE |
| 9 19:21: 2 | 37.343 | 117.238 | 0.2 | -0.01 | 0.2 | 53 | AB | 1.8 | 1.9 | SCOTTYS JUNCTION SW |
| 9 21:24:49 | 36.775 | 115.579 | 0.8 | 7.32 | 5.1 | 144 | CC | --- | 1.1 | TIM SPRING |
| 10 9:17:36 | 36.114 | 117.771 | 5.9 | -0.40 | 4.3 | 290 | DD | 1.5 | --- | HAIWEE RESERVOIR |
| 10 17: 2:45 | 37.863 | 116.129 | 0.3 | 5.52 | 5.0 | 100 | CC | 1.6 | 2.0 | REVEILLE PEAK |
| 11 8:10:27 | 37.899 | 116.028 | 0.9 | -0.19 | 1.8 | 147 | AC | --- | 1.4 | YUCCA FLAT |
| 11 12:41:37 | 37.854 | 116.134 | 0.1 | 2.10 | 0.8 | 106 | AC | --- | 1.4 | REVEILLE PEAK |
| 12 2:49:29 | 36.746 | 115.823 | 0.4 | 1.83 | 3.0 | 154 | BC | 1.8 | 1.9 | HEAVENS WELL |
| 12 7:35:19 | 37.142 | 116.289 | 0.2 | 7.46 | 0.4 | 68 | AB | 1.4 | 1.2 | AMMONIA TANKS |
| 12 7:40:56 | 37.142 | 116.290 | 0.2 | 7.20 | 0.4 | 62 | AB | 1.4 | 1.2 | AMMONIA TANKS |
| 12 12: 7: 2 | 37.347 | 117.234 | 0.2 | 0.50 | 0.2 | 71 | AB | 1.8 | 1.9 | SCOTTYS JUNCTION SW |
| 12 15:11:20 | 37.887 | 116.134 | 0.2 | 0.64 | 0.4 | 106 | AC | --- | 1.2 | REVEILLE PEAK |
| 13 17:30:29 | 36.778 | 115.980 | 0.6 | 4.40 | 2.0 | 236 | AD | --- | 1.1 | FRENCHMAN FLAT |
| 14 7:34:21 | 36.748 | 115.528 | 1.0 | 0.96 | 0.8 | 255 | BD | 1.9 | 1.5 | HEAVENS WELL |
| 14 15:19: 1 | 37.122 | 117.360 | 0.4 | 6.72 | 1.8 | 123 | BC | --- | 1.2 | UBEHEBE CRATER |
| 15 0:30:22 | 37.208 | 117.483 | 0.3 | 8.10 | 1.1 | 123 | AC | --- | 1.2 | UBEHEBE CRATER |
| 15 5:50:41 | 37.854 | 116.137 | 0.2 | 1.45 | 0.8 | 106 | AC | --- | 1.3 | REVEILLE PEAK |
| 15 9:39:24 | 37.873 | 116.128 | 0.2 | 0.03 | 0.8 | 110 | AC | --- | 1.5 | REVEILLE PEAK |
| 16 23:53: 6 | 37.287 | 114.775 | 0.7 | 12.71 | 1.8 | 212 | AD | --- | 1.5 | DELAMAR 3 NE |
| 17 17:56:20 | 37.307 | 117.333 | 0.3 | 6.39 | 0.8 | 131 | AB | --- | 1.2 | GOLD POINT |
| 18 3:32:23 | 37.887 | 116.190 | 0.1 | 3.96 | 1.2 | 95 | AB | 1.8 | 1.6 | TIPPIPAH SPRING |
| 18 11:29:23 | 37.285 | 116.348 | 0.5 | -1.03* | --- | 87 | CB | 1.5 | --- | DEAD HORSE FLAT |
| 18 19:12:48 | 36.547 | 117.025 | 1.0 | 3.15* | --- | 223 | CD | --- | 1.2 | STOVEPIPE WELLS |
| 18 23:32:32 | 37.348 | 117.234 | 0.2 | -0.07 | 0.2 | 84 | AB | 1.8 | 1.7 | SCOTTYS JUNCTION SW |

9075900613

1988 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 19 1:11:13 | 37.152 | 117.391 | 0.2 | 5.95 | 1.5 | 127 | AC | --- | 0.8 | UBEHEBE CRATER |
| 19 3:36: 6 | 37.256 | 115.235 | 0.4 | 10.59 | 0.9 | 109 | AB | --- | 1.6 | ALAMO |
| 19 11:59:30 | 36.596 | 116.413 | 0.2 | 3.95 | 2.2 | 84 | BB | 1.7 | 1.6 | LATHROP WELLS SW |
| 20 7: 7:18 | 36.599 | 116.399 | 0.3 | 5.72 | 0.8 | 141 | AC | --- | 0.7 | LATHROP WELLS SW |
| 20 7:43:14 | 36.888 | 115.955 | 0.8 | 6.83 | 3.6 | 164 | BC | --- | 0.8 | FRENCHMAN FLAT |
| 20 12:42:28 | 36.587 | 116.406 | 0.2 | 5.42 | 1.0 | 83 | AB | 1.2 | 0.9 | LATHROP WELLS SW |
| 22 23:26:58 | 36.859 | 116.379 | 0.4 | 4.72 | 0.6 | 107 | AB | 1.4 | 1.0 | LATHROP WELLS NW |
| 22 23:38:15 | 37.588 | 118.569 | 15.4 | 4.16 | 0.3 | 295 | DD | 2.6 | --- | ***REGIONAL*** |
| 23 1:56: 4 | 37.577 | 118.371 | 10.3 | 1.73 | 0.2 | 298 | DD | 2.5 | --- | ***REGIONAL*** |
| 23 10:36:46 | 37.282 | 116.335 | 0.2 | -1.11 | 0.3 | 122 | AB | 2.2 | 1.6 | DEAD HORSE FLAT |
| 24 0:10: 8 | 37.483 | 118.387 | 2.9 | 1.34 | 2.2 | 285 | CD | 3.6 | --- | ***REGIONAL*** |
| 24 10:32:36 | 36.361 | 116.674 | 0.5 | 5.41 | 3.1 | 233 | BD | --- | 2.4 | GEORGES CANYON RIM |
| 24 19:43:14 | 36.768 | 116.051 | 0.3 | 8.30 | 0.5 | 158 | AC | --- | 1.0 | CANE SPRING |
| 25 1:22:53 | 37.878 | 116.138 | 0.3 | 7.72 | 1.4 | 118 | AC | 2.3 | 1.9 | REVEILLE PEAK |
| 25 6:10:30 | 37.558 | 118.549 | 7.7 | 7.83 | 3.1 | 300 | DD | 2.6 | --- | ***REGIONAL*** |
| 25 10:11: 4 | 37.601 | 118.522 | 9.5 | 3.59 | 4.9 | 307 | DD | 2.9 | --- | ***REGIONAL*** |
| 26 1:14:39 | 37.365 | 115.575 | 0.4 | -1.14 | 0.6 | 121 | BC | 2.1 | 2.1 | GROOM RANGE SE |
| 26 14:39:39 | 37.549 | 118.675 | 0.1 | 4.26 | 2.7 | 303 | DD | 3.0 | --- | ***REGIONAL*** |
| 26 18:28:18 | 36.692 | 116.259 | 0.3 | 0.21 | 0.2 | 119 | AB | 1.3 | 0.9 | STRIPED HILLS |
| 28 2: 8:18 | 36.388 | 115.213 | 0.8 | 3.29* | --- | 302 | CD | --- | 1.7 | GASS PEAK NW |
| 28 11:22:32 | 37.857 | 116.128 | 0.3 | 0.27 | 0.5 | 107 | AC | 2.1 | 1.6 | REVEILLE PEAK |
| 28 12:51:25 | 37.343 | 117.251 | 0.3 | 0.23 | 0.7 | 163 | AC | --- | 0.9 | GOLD POINT |
| 29 3: 8:58 | 37.135 | 116.287 | 0.2 | 5.61 | 0.4 | 113 | AB | 1.5 | 1.5 | AMMONIA TANKS |
| 29 9: 8: 3 | 37.857 | 116.133 | 0.5 | 4.66 | 6.2 | 166 | CC | --- | 1.5 | REVEILLE PEAK |
| 30 0:12:59 | 37.868 | 116.991 | 0.4 | 15.12 | 1.4 | 184 | AD | --- | 1.2 | SPRINGDALE |
| 30 0:13: 1 | 37.255 | 116.297 | 0.7 | 14.97 | 2.4 | 187 | BD | --- | 0.8 | DEAD HORSE FLAT |
| 30 10:45:10 | 37.873 | 116.978 | 0.2 | 8.78 | 0.7 | 96 | AB | 1.5 | 1.0 | SPRINGDALE |
| 30 19:25:43 | 36.547 | 116.025 | 0.1 | 13.66 | 0.3 | 73 | AB | 1.8 | 2.1 | SPECTER RANGE SE |
| 31 23:42:38 | 37.857 | 116.127 | 0.3 | 0.38 | 0.4 | 107 | AC | --- | 1.6 | REVEILLE PEAK |
| AUG 1 0:29:58 | 37.854 | 116.131 | 0.3 | 3.85* | --- | 166 | CC | 0.6 | 1.3 | REVEILLE PEAK |
| 1 0: 1:36 | 37.867 | 116.128 | 0.2 | 1.33 | 6.0 | 168 | AC | 1.7 | 2.2 | REVEILLE PEAK |
| 1 15:29:12 | 37.859 | 116.131 | 0.3 | 5.25 | 5.4 | 187 | CC | 1.9 | 2.0 | REVEILLE PEAK |
| 2 19:27:51 | 37.171 | 117.417 | 0.3 | 6.58 | 1.1 | 121 | AC | 1.7 | 1.7 | UBEHEBE CRATER |
| 3 2:37: 6 | 36.756 | 115.538 | 0.2 | 8.84 | 2.2 | 95 | BC | 2.2 | 2.2 | TIM SPRING |
| 3 2:43:57 | 36.738 | 115.543 | 0.5 | 9.10 | 2.5 | 199 | BD | 1.7 | 1.3 | HEAVENS WELL |
| 3 3: 3:56 | 37.499 | 116.554 | 0.4 | 0.28 | 3.3 | 118 | BC | 0.5 | 1.1 | BLACK MTN NE |
| 3 4: 4:17 | 37.217 | 115.029 | 3.0 | 15.91 | 3.3 | 216 | CD | --- | 1.4 | LOWER PAHRANAGAT LAKE |
| 3 23:57:34 | 37.347 | 117.242 | 0.4 | -0.32 | 0.3 | 115 | AB | 1.5 | 1.4 | SCOTTYS JUNCTION SW |
| 4 13:57:59 | 36.327 | 116.865 | 0.2 | 5.88 | 1.5 | 97 | AC | 2.0 | 2.1 | FURNACE CREEK |
| 4 19:33:45 | 36.367 | 115.827 | 0.1 | 5.97 | 1.2 | 124 | AC | 0.5 | 1.4 | MT STIRLING |
| 4 20:18:12 | 36.764 | 116.271 | 0.3 | 6.58 | 0.6 | 71 | AA | 0.4 | 0.5 | STRIPED HILLS |
| 5 6:58:27 | 36.755 | 115.536 | 0.3 | 0.91 | 0.5 | 95 | AC | 1.8 | 1.6 | TIM SPRING |
| 5 12:59: 6 | 37.178 | 117.390 | 0.2 | 4.39 | 2.3 | 117 | BC | 0.5 | 1.0 | UBEHEBE CRATER |
| 5 23:58:56 | 37.866 | 116.127 | 0.5 | 2.15 | 3.6 | 198 | BC | 1.9 | 1.6 | REVEILLE PEAK |
| 6 1:46:29 | 36.761 | 116.361 | 0.2 | 5.65 | 0.3 | 81 | AA | 1.1 | 0.5 | STRIPED HILLS |
| 6 2:23:28 | 37.367 | 115.181 | 0.9 | 9.18 | 0.7 | 174 | AC | 0.4 | 1.1 | ALAMO SE |
| 6 6:54:59 | 37.861 | 116.133 | 0.3 | 0.63 | 0.5 | 187 | AC | 1.6 | 1.5 | REVEILLE PEAK |
| 6 7: 0:29 | 37.337 | 117.254 | 0.4 | 0.49 | 0.3 | 111 | BB | 1.8 | 1.6 | GOLD POINT |
| 7 0:14:39 | 37.345 | 117.241 | 0.3 | -0.21 | 0.2 | 53 | AB | 2.0 | 2.2 | SCOTTYS JUNCTION SW |
| 7 12:16:55 | 36.448 | 116.532 | 0.2 | -0.89 | 0.2 | 67 | AB | 1.6 | 1.5 | RYAN |
| 7 22:11: 2 | 37.866 | 116.132 | 0.8 | 14.67 | 2.3 | 116 | BC | --- | 1.4 | REVEILLE PEAK |
| 7 22:40:53 | 37.316 | 116.288 | 1.3 | 20.36 | 2.8 | 235 | BD | 1.8 | 1.4 | DEAD HORSE FLAT |
| 8 10:17: 2 | 36.712 | 116.122 | 0.2 | 0.50 | 0.4 | 103 | AC | 1.0 | 0.6 | CAMP DESERT ROCK |
| 8 18: 0:27 | 36.723 | 116.122 | 0.3 | 0.78 | 1.3 | 138 | AC | 0.3 | 0.5 | CAMP DESERT ROCK |
| 9 2:38:40 | 37.347 | 117.242 | 0.3 | -1.11 | 0.3 | 114 | AB | 1.5 | 1.3 | SCOTTYS JUNCTION SW |
| 9 5:47:32 | 37.863 | 116.169 | 0.6 | -0.91 | 1.0 | 105 | BC | 2.1 | 1.8 | REVEILLE PEAK |
| 9 6:42:49 | 37.858 | 116.175 | 0.4 | 4.66 | 0.5 | 104 | CC | 1.7 | 1.8 | REVEILLE PEAK |
| 9 7:46:24 | 37.852 | 116.176 | 0.7 | -0.84* | --- | 103 | CC | 1.9 | 1.4 | REVEILLE PEAK |
| 9 8:48: 1 | 36.588 | 116.237 | 0.3 | 14.87 | 1.9 | 82 | AB | 1.5 | 1.2 | SPECTER RANGE SW |
| 9 9:45:20 | 36.782 | 116.298 | 0.2 | 5.34 | 0.3 | 56 | AA | 1.5 | 1.1 | STRIPED HILLS |
| 9 9:47:10 | 36.589 | 116.241 | 0.2 | -0.37 | 0.5 | 81 | AC | 0.4 | 0.8 | SPECTER RANGE SW |
| 9 11:55:10 | 37.874 | 116.131 | 0.3 | 1.35 | 1.2 | 110 | AC | 1.5 | 1.5 | REVEILLE PEAK |
| 9 22:39:31 | 37.860 | 116.131 | 0.2 | -0.16 | 0.4 | 115 | AC | 1.6 | 1.6 | REVEILLE PEAK |
| 10 0:55:18 | 37.282 | 116.333 | 0.2 | -0.93 | 0.3 | 58 | AB | --- | 3.0 | DEAD HORSE FLAT |
| 10 3:28: 9 | 36.715 | 116.196 | 1.0 | 7.76 | 1.0 | 283 | AD | 0.3 | 0.4 | SPECTER RANGE NW |
| 10 10:26:46 | 36.749 | 115.570 | 0.5 | 5.31 | 4.9 | 181 | BD | 1.7 | 1.5 | HEAVENS WELL |

9075900614

1986 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| AUG 10 10:38: 0 | 36.744 | 115.525 | 0.3 | 9.02 | 2.2 | 154 | BC | 1.8 | 1.7 | HEAVENS WELL |
| 10 13:35:46 | 36.756 | 115.531 | 0.2 | 2.65 | 2.1 | 155 | BC | 0.4 | 1.1 | TIM SPRING |
| 10 17:53:56 | 37.349 | 117.237 | 0.4 | -0.28 | 0.3 | 115 | AB | 1.7 | 1.7 | SCOTTYS JUNCTION SW |
| 10 21:20:34 | 36.591 | 116.246 | 0.5 | 8.70 | 2.5 | 83 | BB | 1.5 | 1.3 | SPECTER RANGE SW |
| 12 7:29: 4 | 37.865 | 116.129 | 0.5 | -0.26 | 1.0 | 108 | AC | 1.8 | 1.8 | REVEILLE PEAK |
| 13 0:40:21 | 37.351 | 117.234 | 0.3 | -0.45 | 0.2 | 145 | AC | --- | 1.2 | SCOTTYS JUNCTION SW |
| 13 6:14: 9 | 36.637 | 115.984 | 0.3 | 11.83 | 0.5 | 71 | AA | 0.5 | 1.3 | MERCURY |
| 14 1:23: 3 | 36.640 | 115.984 | 0.2 | 11.59 | 0.6 | 130 | AB | 0.6 | 1.4 | MERCURY |
| 14 1:41: 2 | 37.279 | 117.293 | 1.3 | 2.25 | 1.0 | 209 | BD | --- | 1.1 | GOLD POINT |
| 14 8:16:26 | 36.405 | 115.244 | 0.6 | 13.74 | 0.5 | 214 | AD | 0.6 | 1.7 | GASS PEAK NW |
| 14 18:27:11 | 37.819 | 114.898 | 30.0 | 2.15* | --- | 291 | DD | 0.6 | 1.8 | DELAMAR 3 SW |
| 14 18:30:43 | 36.856 | 116.189 | 4.7 | 7.00** | 3.6 | 221 | DD | --- | 0.3 | SKULL MTN |
| 14 21:20:42 | 36.384 | 115.239 | 0.8 | 14.81 | 0.7 | 221 | AD | 0.8 | 1.9 | GASS PEAK NW |
| 14 21:55: 6 | 36.406 | 115.244 | 0.7 | 13.27 | 0.7 | 213 | AD | 0.5 | 1.5 | GASS PEAK NW |
| 15 0:31:52 | 37.352 | 117.232 | 0.2 | -0.03 | 0.2 | 145 | AC | --- | 1.0 | SCOTTYS JUNCTION SW |
| 16 1:55:44 | 36.785 | 115.988 | 0.2 | 0.96 | 0.2 | 154 | AC | 0.3 | 0.9 | FRENCHMAN FLAT |
| 16 1:58:59 | 36.786 | 115.949 | 0.5 | 5.20 | 1.4 | 216 | AD | 0.3 | 0.9 | FRENCHMAN FLAT |
| 16 13:48:28 | 36.908 | 116.086 | 0.2 | 3.75 | 0.6 | 145 | AC | 0.2 | 1.0 | YUCCA LAKE |
| 16 16: 7: 3 | 37.350 | 117.240 | 0.4 | -0.84 | 0.3 | 115 | AB | --- | 1.0 | SCOTTYS JUNCTION SW |
| 17 8:47:12 | 37.346 | 117.238 | 0.3 | -0.28 | 0.2 | 144 | AC | 0.6 | 1.6 | SCOTTYS JUNCTION SW |
| 17 9:51: 2 | 36.452 | 117.023 | 0.4 | 11.22 | 0.5 | 168 | AC | --- | 1.1 | EMIGRANT CANYON |
| 18 17:18:21 | 37.278 | 117.527 | 0.4 | 10.25 | [illegible] | 99 | AB | 0.4 | 1.2 | MAGRUDER MTN |
| 18 17:11:28 | 37.278 | 117.536 | 0.3 | 12.75 | 0.5 | 98 | AB | 0.3 | 1.1 | MAGRUDER MTN |
| 18 17:17:34 | 37.282 | 117.529 | 0.2 | 10.15 | [illegible] | 92 | AB | 0.5 | 1.4 | MAGRUDER MTN |
| 18 17:20:38 | 37.283 | 117.526 | 0.3 | 9.62 | 0.8 | 103 | AB | 0.5 | 1.4 | MAGRUDER MTN |
| 18 17:21:55 | 37.279 | 117.527 | 0.4 | 10.88 | 0.8 | 93 | AB | 0.4 | 0.9 | MAGRUDER MTN |
| 18 17:25:38 | 37.278 | 117.536 | 0.3 | 13.16 | 0.5 | 132 | AB | 0.2 | 1.1 | MAGRUDER MTN |
| 19 3:14:53 | 36.731 | 116.159 | 0.3 | 0.13 | 0.5 | 117 | AC | 0.2 | 0.5 | SPECTER RANGE NW |
| 19 10:33:16 | 37.284 | 116.335 | 0.8 | 0.24* | --- | 113 | CB | 0.9 | --- | DEAD HORSE FLAT |
| 20 2:37:57 | 37.233 | 117.527 | 0.8 | 9.43 | 2.2 | 198 | BD | --- | 0.9 | LAST CHANCE RANGE |
| 20 6:27:24 | 37.286 | 116.341 | 0.3 | -1.12 | 0.2 | 108 | AD | --- | 1.7 | DEAD HORSE FLAT |
| 21 6:31:43 | 37.345 | 117.240 | 0.4 | -0.04 | 0.3 | 114 | AB | 1.6 | 1.6 | SCOTTYS JUNCTION SW |
| 21 20:34:19 | 36.918 | 116.382 | 0.4 | 7.78 | 0.6 | 184 | AD | --- | 0.1 | TOPOPAH SPRING NW |
| 22 2: 5:31 | 36.203 | 115.419 | 0.6 | 12.22 | 1.0 | 227 | AD | 1.9 | 2.0 | LA MADRE MTN |
| 22 3:23:33 | 37.217 | 117.123 | 1.9 | 12.79 | 6.0 | 163 | CD | 0.7 | 1.2 | BONNIE CLAIRE |
| 22 3:25:41 | 37.874 | 116.120 | 0.5 | -0.24 | 0.8 | 110 | AC | 1.0 | 1.8 | REVEILLE PEAK |
| 22 4:47:45 | 37.346 | 117.242 | 0.4 | -0.32 | 0.4 | 114 | AB | 2.1 | 2.0 | SCOTTYS JUNCTION SW |
| 22 10:54: 2 | 37.079 | 115.842 | 0.2 | 2.95 | 0.6 | 113 | AB | 1.2 | 0.9 | HIKO NE |
| 22 14:44:18 | 36.637 | 116.336 | 0.4 | 3.42 | 0.8 | 41 | BA | 2.3 | 2.7 | STRIPED HILLS |
| 23 13:54:51 | 37.860 | 116.127 | 0.6 | 5.68 | 0.5 | 187 | CC | 0.7 | 1.4 | REVEILLE PEAK |
| 23 22:16: 7 | 37.259 | 116.219 | 1.0 | 5.46 | 4.2 | 184 | BD | 2.1 | 1.8 | QUARTET DOME |
| 23 23:31:22 | 37.351 | 117.224 | 0.3 | -0.59 | 0.3 | 146 | AC | 2.0 | 1.7 | SCOTTYS JUNCTION SW |
| 24 0:51:24 | 37.468 | 117.594 | 0.4 | 3.95 | 2.3 | 73 | BB | --- | 1.3 | MAGRUDER MTN |
| 24 8:23:45 | 36.580 | 117.086 | 0.6 | 0.95 | 1.0 | 117 | BC | 1.5 | 1.1 | STOVEPIPE WELLS |
| 24 8:34:15 | 37.348 | 117.245 | 0.8 | 13.68 | 3.2 | 133 | BB | 2.0 | 1.9 | SCOTTYS JUNCTION SW |
| 24 12:36: 3 | 36.591 | 117.084 | 0.4 | 1.07 | 1.6 | 113 | BC | 1.6 | 1.0 | STOVEPIPE WELLS |
| 24 16:25:58 | 37.866 | 116.125 | 0.4 | 0.27 | 0.7 | 189 | AC | 0.8 | 1.9 | REVEILLE PEAK |
| 24 23: 2:33 | 37.863 | 116.125 | 0.5 | 0.77 | 0.7 | 188 | AC | 1.6 | 1.9 | REVEILLE PEAK |
| 24 23: 3:43 | 37.86[illegible] | 116.124 | 0.5 | 0.86 | 0.8 | 189 | AC | 0.7 | 1.4 | REVEILLE PEAK |
| 25 10:43:45 | 37.347 | 117.237 | 0.4 | -0.38 | 0.3 | 134 | AB | 1.4 | 1.8 | SCOTTYS JUNCTION SW |
| 25 11:23:42 | 36.851 | 116.720 | 0.1 | 0.32 | -0.2 | 167 | AC | 0.1 | 0.3 | BARE MTN |
| 28 17:20:14 | 37.869 | 116.124 | 0.4 | 5.74 | 3.7 | 189 | BC | 1.9 | 1.5 | REVEILLE PEAK |
| 28 1:54:19 | 36.728 | 116.091 | 1.4 | 19.08 | 2.0 | 148 | BC | 0.3 | 0.7 | CAMP DESERT ROCK |
| 28 14:56:23 | 37.341 | 117.251 | 0.3 | 0.31 | 0.2 | 78 | AA | 0.8 | 1.1 | GOLD POINT |
| 28 16:59:53 | 36.633 | 116.268 | 0.2 | 4.90 | 1.0 | 78 | AB | 1.2 | 0.8 | STRIPED HILLS |
| 29 9:58:47 | 37.864 | 116.127 | 0.5 | -0.54 | 0.5 | 188 | AC | --- | 1.5 | REVEILLE PEAK |
| 29 10:54:25 | 37.873 | 116.121 | 0.7 | -0.47 | 1.0 | 110 | BC | 0.7 | 2.0 | REVEILLE PEAK |
| 29 15: 8:46 | 36.654 | 116.273 | 0.2 | 0.78 | 0.4 | 113 | AB | 1.3 | 1.1 | STRIPED HILLS |
| 30 1:43:54 | 37.871 | 116.130 | 0.5 | -0.48 | 0.9 | 188 | BC | 0.7 | 1.7 | REVEILLE PEAK |
| 30 23: 5:45 | 36.751 | 115.928 | -0.2 | 5.23 | 0.7 | 66 | AB | 1.7 | 1.3 | FRENCHMAN FLAT |
| 31 6:52:39 | 36.944 | 117.707 | 0.5 | 7.00** | 2.9 | 214 | BD | 0.6 | 1.7 | WAUCOBA WASH |
| SEP 1 0:51:49 | 37.347 | 117.243 | 0.4 | -0.30 | 0.5 | 71 | AB | 1.3 | 1.2 | SCOTTYS JUNCTION SW |
| 1 1:31:44 | 37.582 | 116.310 | 0.3 | 2.18 | 1.0 | 97 | AC | --- | 0.9 | MT IRISH |
| 1 2:18: 7 | 37.862 | 116.130 | 0.8 | 4.91* | --- | 188 | CC | --- | 1.4 | REVEILLE PEAK |
| 1 12:36:10 | 37.076 | 116.130 | 0.2 | 3.80 | 1.6 | 122 | AB | --- | 1.0 | TIPPIPAH SPRING |
| 2 3:58:24 | 37.345 | 117.246 | 0.4 | -0.12 | 0.4 | 70 | AB | 1.4 | 1.3 | SCOTTYS JUNCTION SW |

9175900/615

1986 LOCAL HYPOCENTER SUMMARY

| DATE (UCT) | TIME | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP 2 | 9:57:22 | 37.861 | 116.128 | 0.5 | 0.85 | 0.8 | 187 | AC | --- | 1.9 | REVEILLE PEAK |
| 2 | 14: 8: 6 | 36.891 | 116.313 | 0.2 | 4.01 | 0.4 | 121 | AB | --- | 0.1 | STRIPED HILLS |
| 2 | 23:36:22 | 37.858 | 116.132 | 0.4 | 0.15 | 0.5 | 187 | AC | --- | 1.1 | REVEILLE PEAK |
| 3 | 0:46:53 | 37.332 | 117.255 | 0.2 | 2.04 | 0.3 | 67 | AA | 1.3 | 1.2 | GOLD POINT |
| 3 | 7:27:35 | 37.539 | 117.573 | 0.3 | -0.11 | 2.2 | 89 | BC | 2.2 | 2.3 | LIDA WASH |
| 3 | 23:31:26 | 36.884 | 115.726 | 0.2 | 7.37 | 1.7 | 122 | AC | 1.6 | 1.0 | INDIAN SPRINGS |
| 3 | 23:56:59 | 37.347 | 117.244 | 0.4 | -0.29 | 0.4 | 71 | AB | 1.7 | 1.9 | SCOTTYS JUNCTION SW |
| 4 | 11:00: 1 | 37.345 | 117.243 | 0.5 | -0.49 | 0.5 | 77 | AB | --- | 1.3 | SCOTTYS JUNCTION SW |
| 4 | 12: 0:30 | 37.351 | 117.241 | 0.4 | -1.15 | 0.4 | 78 | AB | --- | 1.5 | SCOTTYS JUNCTION SW |
| 4 | 12:23:45 | 37.349 | 117.242 | 0.4 | -1.03 | 0.4 | 78 | AB | --- | 1.3 | SCOTTYS JUNCTION SW |
| 5 | 12:28:36 | 37.341 | 117.284 | 0.1 | 0.74 | 0.1 | 98 | AA | 1.9 | 1.7 | GOLD POINT |
| 5 | 18:23:26 | 37.884 | 116.130 | 0.4 | 0.06 | 0.6 | 198 | AC | 1.8 | 1.8 | REVEILLE PEAK |
| 5 | 20:35:54 | 37.351 | 117.242 | 0.5 | -0.91 | 0.5 | 71 | AB | --- | 1.3 | SCOTTYS JUNCTION SW |
| 6 | 1:30:17 | 37.350 | 117.237 | 0.4 | -1.03 | 0.4 | 71 | AB | --- | 1.8 | SCOTTYS JUNCTION SW |
| 6 | 1:30:56 | 37.350 | 117.233 | 0.5 | -0.78 | 0.4 | 104 | AB | --- | 1.4 | SCOTTYS JUNCTION SW |
| 6 | 2:22: 2 | 37.331 | 117.258 | 1.0 | 1.88 | 1.3 | 117 | AB | --- | 0.8 | GOLD POINT |
| 6 | 2:22:30 | 37.314 | 117.233 | 1.0 | 4.84 | 1.0 | 179 | AC | --- | 1.3 | SCOTTYS JUNCTION SW |
| 6 | 6:48:59 | 37.590 | 116.367 | 0.4 | 8.08 | 1.6 | 81 | AC | --- | 0.8 | QUARTZITE MTN |
| 6 | 12:58:28 | 37.851 | 116.134 | 0.4 | 5.85 | 3.3 | 189 | BC | --- | 1.3 | REVEILLE PEAK |
| 8 | 20:50: 3 | 37.341 | 117.248 | 0.5 | 0.10 | 0.5 | 70 | AA | --- | 1.4 | SCOTTYS JUNCTION SW |
| 10 | 14:42:45 | 36.888 | 116.288 | 0.2 | 2.83 | 1.4 | 135 | AC | --- | 0.3 | SPECTER RANGE SW |
| 10 | 19:20: 3 | 37.857 | 116.134 | 0.5 | 3.86* | --- | 136 | CC | 1.7 | 1.8 | REVEILLE PEAK |
| 11 | 3:23: 8 | 36.709 | 115.467 | 0.9 | 4.70* | --- | 215 | CD | 1.8 | 1.2 | BLACK HILLS NW |
| 11 | 10:44:12 | 37.858 | 116.129 | 0.4 | 0.79 | 0.6 | 187 | AC | 1.5 | 1.5 | REVEILLE PEAK |
| 11 | 14:36:40 | 37.850 | 116.135 | 0.2 | 0.87 | 0.2 | 185 | AC | --- | 1.1 | REVEILLE PEAK |
| 12 | 14:59:12 | 35.961 | 116.954 | 1.0 | 1.63 | 1.7 | 280 | AD | --- | 1.4 | WINGATE WASH |
| 13 | 11:29:39 | 37.395 | 114.871 | 0.5 | 5.87 | 1.5 | 225 | AD | 1.3 | 1.3 | GREGERSON BASIN |
| 14 | 12:54:28 | 37.871 | 116.128 | 0.2 | 7.88 | 2.8 | 189 | BC | 2.2 | 2.2 | REVEILLE PEAK |
| 14 | 13:31:57 | 37.854 | 116.137 | 0.1 | 4.89 | 2.2 | 186 | BC | 1.5 | 1.8 | REVEILLE PEAK |
| 14 | 20:40:17 | 37.187 | 115.158 | 0.9 | 4.35 | 1.0 | 188 | BD | 1.3 | 1.3 | LOWER PAHRANAGAT LAKE NW |
| 14 | 20:51:12 | 37.861 | 116.132 | 0.2 | 3.80 | 1.3 | 187 | AC | 1.7 | 1.5 | REVEILLE PEAK |
| 15 | 7:12:31 | 37.853 | 116.136 | 0.2 | 0.88 | 6.3 | 188 | AC | --- | 1.1 | REVEILLE PEAK |
| 15 | 9:10:32 | 37.852 | 116.132 | 0.2 | -0.41 | 0.3 | 185 | AC | --- | 1.5 | REVEILLE PEAK |
| 16 | 18:49:54 | 37.858 | 116.133 | 0.2 | -0.81 | 2.6 | 187 | BC | --- | 1.2 | REVEILLE PEAK |
| 17 | 20:55:59 | 37.344 | 117.248 | 0.4 | -0.22 | 0.3 | 133 | AB | --- | 0.8 | SCOTTYS JUNCTION SW |
| 18 | 4: 5:29 | 37.339 | 117.251 | 0.5 | -0.01 | 0.4 | 112 | BB | 1.3 | 1.1 | GOLD POINT |
| 18 | 9:12:35 | 37.863 | 116.134 | 0.2 | 6.25 | 2.2 | 197 | BC | --- | 1.4 | REVEILLE PEAK |
| 18 | 16:25:27 | 37.856 | 116.133 | 0.3 | 5.52 | 4.1 | 186 | BC | 1.4 | 1.5 | REVEILLE PEAK |
| 20 | 4:23:11 | 37.867 | 116.133 | 0.2 | 0.55 | 0.2 | 188 | AC | 2.0 | 2.1 | REVEILLE PEAK |
| 21 | 0:20:14 | 37.342 | 117.245 | 0.3 | -0.04 | 6.3 | 70 | AA | 1.6 | 1.3 | SCOTTYS JUNCTION SW |
| 21 | 6: 0:36 | 37.857 | 116.127 | 0.4 | 5.38 | 2.4 | 187 | BC | --- | 1.1 | REVEILLE PEAK |
| 21 | 8:40:49 | 37.858 | 116.138 | 0.2 | 5.41 | 2.4 | 186 | BC | 1.7 | 1.5 | REVEILLE PEAK |
| 21 | 23:20:18 | 37.852 | 116.135 | 0.3 | 5.28 | 4.2 | 185 | BC | 1.8 | 1.3 | REVEILLE PEAK |
| 22 | 0:49:25 | 37.228 | 115.111 | 0.4 | 4.95 | 1.9 | 188 | AD | 1.8 | 1.8 | LOWER PAHRANAGAT LAKE |
| 22 | 19: 1:35 | 36.558 | 116.178 | 0.3 | 8.14 | 1.2 | 159 | AC | --- | 0.5 | SPECTER RANGE SW |
| 22 | 22:36: 8 | 37.334 | 117.237 | 0.2 | 0.92 | 0.3 | 183 | AB | 1.5 | 1.1 | SCOTTYS JUNCTION SW |
| 22 | 23:38:48 | 37.345 | 117.254 | 0.3 | 0.42 | 0.3 | 113 | AB | --- | 0.9 | GOLD POINT |
| 23 | 0:28:11 | 37.838 | 116.117 | 0.2 | 3.74 | 1.2 | 129 | AB | --- | 0.6 | YUCCA FLAT |
| 23 | 3:25: 9 | 37.341 | 117.259 | 0.4 | 0.12 | 0.3 | 111 | BB | 1.7 | 1.5 | GOLD POINT |
| 23 | 4:48: 4 | 37.338 | 117.257 | 0.3 | 0.85 | 0.2 | 111 | AB | 1.8 | 1.3 | GOLD POINT |
| 23 | 8:38:31 | 37.868 | 116.132 | 0.2 | 4.68 | 4.2 | 187 | BC | 1.7 | 1.4 | REVEILLE PEAK |
| 23 | 11:39:59 | 37.876 | 116.148 | 0.4 | 5.12 | 4.1 | 189 | BC | --- | 1.2 | REVEILLE PEAK |
| 23 | 22:22:25 | 36.746 | 116.889 | 0.3 | 2.12 | 0.9 | 161 | AC | 1.4 | 0.6 | BIG DUNE |
| 24 | 2:12:40 | 36.533 | 116.377 | 0.1 | 4.78 | 1.1 | 97 | AC | 1.0 | 1.0 | LATHROP WELLS SW |
| 24 | 2:41:48 | 36.926 | 116.712 | 0.2 | 7.22 | 1.1 | 129 | AC | --- | 0.5 | BARE MTN |
| 24 | 14:20:34 | 37.350 | 117.248 | 0.4 | 0.29 | 0.4 | 71 | AB | --- | --- | SCOTTYS JUNCTION SW |
| 24 | 14:24:12 | 37.345 | 117.256 | 0.5 | 0.40 | 0.3 | 112 | AB | --- | 1.0 | GOLD POINT |
| 24 | 14:26:42 | 37.367 | 117.283 | 0.5 | -0.40 | 0.4 | 116 | BB | --- | 0.8 | GOLD POINT |
| 24 | 14:27:27 | 37.351 | 117.247 | 0.3 | -0.10 | 0.2 | 71 | AB | 1.8 | 1.7 | SCOTTYS JUNCTION SW |
| 24 | 14:35:56 | 37.344 | 117.281 | 0.4 | 2.87 | 0.9 | 70 | AA | --- | --- | GOLD POINT |
| 24 | 14:51:11 | 37.337 | 117.250 | 0.0 | 2.32 | 0.7 | 170 | AC | --- | 1.0 | GOLD POINT |
| 24 | 14:54:18 | 37.349 | 117.245 | 0.2 | 0.49 | 0.2 | 71 | AB | 1.9 | 2.0 | SCOTTYS JUNCTION SW |
| 24 | 14:56:34 | 37.352 | 117.244 | 0.2 | 0.08 | 0.2 | 71 | AB | 2.0 | 2.1 | SCOTTYS JUNCTION SW |
| 24 | 15: 9:53 | 37.347 | 117.261 | 0.6 | -0.20 | 0.5 | 112 | BB | --- | 1.2 | GOLD POINT |
| 24 | 15:10:42 | 37.349 | 117.258 | 0.5 | 0.08 | 2.2 | 113 | BC | --- | 1.1 | GOLD POINT |
| 24 | 15:18:53 | 37.382 | 117.246 | 0.4 | 0.05 | 0.3 | 119 | AB | --- | 1.2 | SCOTTYS JUNCTION SW |

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1986 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP 24 | 15:17:54 | 37.349 | 117.252 | 0.3 | 0.04 | 0.2 | 114 | AB | 1.5 | 1.5 | GOLD POINT |
| 24 | 15:19:27 | 37.346 | 117.252 | 0.4 | 0.18 | 0.3 | 113 | AB | --- | 1.1 | GOLD POINT |
| 24 | 15:35:50 | 37.363 | 117.204 | 0.7 | 1.01 | 0.8 | 232 | AD | --- | 1.0 | SCOTTYS JUNCTION SW |
| 24 | 15:42:53 | 37.348 | 117.244 | 0.3 | 0.39 | 0.1 | 220 | AD | --- | 1.1 | SCOTTYS JUNCTION SW |
| 24 | 16:54: 1 | 37.349 | 117.242 | 0.2 | 0.20 | 0.2 | 71 | AB | --- | 1.0 | SCOTTYS JUNCTION SW |
| 24 | 19:11: 2 | 37.351 | 117.245 | 0.1 | 0.25 | 0.1 | 85 | AB | 1.4 | 1.3 | SCOTTYS JUNCTION SW |
| 24 | 20:37:28 | 37.352 | 117.246 | 0.1 | -0.21 | 0.1 | 71 | AB | 1.0 | 1.0 | SCOTTYS JUNCTION SW |
| 24 | 20:48:14 | 37.348 | 117.255 | 0.2 | 0.09 | 0.3 | 118 | AB | --- | 1.1 | GOLD POINT |
| 24 | 20:51:59 | 37.349 | 117.236 | 0.3 | 0.35 | 0.2 | 119 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 24 | 21:17:18 | 37.353 | 117.243 | 0.3 | -0.02 | 0.2 | 71 | AB | 1.0 | 2.0 | SCOTTYS JUNCTION SW |
| 24 | 22:20:53 | 37.353 | 117.248 | 0.2 | 0.21 | 0.2 | 71 | AB | 1.5 | 1.3 | SCOTTYS JUNCTION SW |
| 24 | 22:56:43 | 37.338 | 117.269 | 0.3 | -1.03 | 0.3 | 151 | AC | --- | 1.2 | GOLD POINT |
| 25 | 10:55:31 | 37.838 | 116.105 | 0.2 | -0.24 | 0.2 | 166 | AC | --- | 1.4 | REVEILLE PEAK |
| 26 | 0:19:49 | 37.336 | 117.292 | 0.3 | 1.80 | 0.8 | 89 | AA | 1.5 | 1.4 | GOLD POINT |
| 26 | 5: 1:38 | 37.350 | 117.244 | 0.2 | 0.33 | 0.2 | 71 | AB | 2.0 | 2.0 | SCOTTYS JUNCTION SW |
| 26 | 5: 4:32 | 37.350 | 117.243 | 0.2 | 0.22 | 0.2 | 71 | AB | 1.6 | 1.7 | SCOTTYS JUNCTION SW |
| 26 | 5: 6:10 | 37.349 | 117.252 | 0.3 | 0.02 | 0.3 | 113 | AB | 1.5 | 1.0 | GOLD POINT |
| 26 | 5:47: 2 | 37.351 | 117.240 | 0.3 | 0.07 | 0.3 | 118 | AB | --- | 1.2 | SCOTTYS JUNCTION SW |
| 26 | 5:47:54 | 37.345 | 117.255 | 0.6 | 1.22 | 2.0 | 113 | BB | 1.7 | 1.6 | GOLD POINT |
| 26 | 6: 9: 5 | 37.348 | 117.253 | 0.3 | 0.40 | 0.2 | 113 | AB | --- | 1.1 | GOLD POINT |
| 26 | 13:25:52 | 36.830 | 115.994 | 0.2 | 0.40 | 0.3 | 152 | AC | --- | 0.9 | FRENCHMAN FLAT |
| 26 | 22:43:52 | 37.334 | 117.250 | 0.2 | 0.73 | 0.2 | 171 | AB | 1.3 | 1.0 | GOLD POINT |
| 26 | 23:38: 9 | 37.351 | 117.247 | 0.2 | 0.31 | 0.2 | 71 | AB | 1.7 | 1.7 | SCOTTYS JUNCTION SW |
| 27 | 0:35:33 | 37.348 | 117.245 | 0.2 | 0.38 | 0.2 | 71 | AB | --- | 1.1 | SCOTTYS JUNCTION SW |
| 27 | 0:54:32 | 37.354 | 117.244 | 0.2 | -0.07 | 0.2 | 71 | AB | 1.6 | 1.6 | SCOTTYS JUNCTION SW |
| 27 | 13:35:12 | 37.330 | 117.259 | 0.5 | 0.04 | 0.3 | 173 | AC | --- | 0.7 | GOLD POINT |
| 27 | 15:40:23 | 37.315 | 117.261 | 0.4 | 0.37 | 0.3 | 110 | AB | --- | 1.0 | GOLD POINT |
| 27 | 16:28:42 | 37.140 | 117.411 | 0.3 | 0.78 | 0.4 | 117 | AC | 1.0 | 1.9 | UBEHEBE CRATER |
| 27 | 17:47:40 | 37.144 | 117.399 | 0.4 | -0.13 | 0.8 | 113 | BC | 1.3 | 1.1 | UBEHEBE CRATER |
| 28 | 12:49:48 | 37.134 | 117.413 | 0.3 | 4.73 | 2.1 | 141 | BC | --- | 0.8 | UBEHEBE CRATER |
| 28 | 15:41:54 | 37.105 | 117.424 | 0.5 | 0.42 | 1.0 | 124 | BC | --- | 1.0 | UBEHEBE CRATER |
| 28 | 18:43:22 | 36.833 | 115.987 | 0.4 | 4.47 | 1.9 | 203 | AD | --- | 0.5 | FRENCHMAN FLAT |
| 28 | 23:32:50 | 36.833 | 116.340 | 0.2 | 0.52 | 0.3 | 60 | AC | 1.5 | 1.0 | STRIPED HILLS |
| 28 | 23:34:12 | 36.832 | 116.338 | 0.2 | 3.51 | 0.6 | 100 | AB | --- | 0.5 | STRIPED HILLS |
| 29 | 5:21: 1 | 36.834 | 115.985 | 0.2 | 2.09 | 0.6 | 178 | AC | --- | 0.4 | FRENCHMAN FLAT |
| 29 | 8:51:05 | 36.833 | 115.990 | 0.4 | 2.08 | 0.9 | 200 | AD | --- | 0.6 | FRENCHMAN FLAT |
| 29 | 13:59:42 | 37.808 | 116.134 | 0.2 | 6.52 | 3.7 | 109 | BC | 2.3 | --- | REVEILLE PEAK |
| 29 | 14:30:19 | 37.853 | 116.129 | 0.2 | 2.52 | 1.2 | 106 | AC | 1.9 | 1.5 | REVEILLE PEAK |
| 29 | 19:30:25 | 37.069 | 115.025 | 0.2 | 6.21 | 0.8 | 112 | AB | 1.7 | 1.4 | NIKO NE |
| 29 | 21:18: 7 | 37.018 | 116.449 | 0.4 | 9.04 | 0.8 | 133 | AB | --- | 0.4 | TIMBER MTN |
| 29 | 21:29:40 | 37.007 | 115.990 | 0.1 | 0.52 | 0.2 | 162 | AC | 1.3 | 0.8 | PAIUTE RIDGE |
| 30 | 2:55:55 | 37.331 | 117.261 | 0.3 | 0.03 | 0.2 | 109 | AB | --- | 0.7 | GOLD POINT |
| 30 | 3: 3: 9 | 37.847 | 116.139 | 0.2 | 2.10 | 1.4 | 104 | AC | --- | 1.3 | REVEILLE PEAK |
| 30 | 5:56:36 | 37.335 | 117.240 | 0.5 | 0.72 | 0.3 | 113 | AB | --- | 0.7 | SCOTTYS JUNCTION SW |
| OCT 1 | 3:23:46 | 36.844 | 116.275 | 0.2 | 3.71 | 1.2 | 100 | AB | 1.3 | 0.9 | JACKASS FLATS |
| 1 | 8: 2:19 | 37.189 | 116.580 | 0.3 | 7.63 | 0.8 | 109 | AB | 0.5 | 0.8 | THIRSTY CANYON NE |
| 1 | 20:20:15 | 36.800 | 116.175 | 0.2 | 5.89 | 0.4 | 79 | AA | 1.4 | 1.1 | SKULL MTN |
| 1 | 21: 8:11 | 37.854 | 116.132 | 0.2 | 2.63 | 1.4 | 108 | AC | 1.0 | 1.0 | REVEILLE PEAK |
| 2 | 0: 7:49 | 37.858 | 116.132 | 0.2 | 0.46 | 0.3 | 107 | AC | 2.2 | 2.2 | REVEILLE PEAK |
| 2 | 6:54:15 | 37.287 | 116.510 | 0.7 | 11.04 | 1.0 | 213 | BD | 0.6 | 0.9 | TRAIL RIDGE |
| 2 | 13:41: 8 | 37.333 | 117.256 | 0.2 | 1.59 | 0.3 | 156 | AC | 0.5 | 1.1 | GOLD POINT |
| 2 | 17:16:43 | 36.634 | 116.384 | 0.1 | 0.07 | 0.3 | 74 | AA | 1.6 | 1.1 | LATHROP WELLS NW |
| 3 | 16:33:57 | 37.348 | 117.255 | 0.3 | 0.27 | 0.2 | 112 | AB | 0.5 | 1.1 | GOLD POINT |
| 4 | 2: 0:34 | 36.673 | 116.421 | 0.2 | 3.98 | 1.1 | 74 | AB | 1.4 | 0.9 | LATHROP WELLS NW |
| 4 | 15:56:25 | 37.847 | 116.135 | 0.2 | 0.96 | 0.3 | 104 | AC | 0.7 | 1.5 | REVEILLE PEAK |
| 6 | 1:41:37 | 36.634 | 116.247 | 0.2 | 0.43 | 0.5 | 130 | AB | 0.4 | 0.7 | SPECTER RANGE NW |
| 6 | 10: 5:48 | 37.348 | 117.258 | 0.4 | 0.60 | 0.3 | 158 | AC | 0.5 | 0.7 | GOLD POINT |
| 7 | 18: 0:43 | 36.785 | 116.080 | 0.9 | 7.44 | 1.4 | 211 | AD | 0.3 | 0.7 | CANE SPRING |
| 8 | 12:20:58 | 37.844 | 115.885 | 0.5 | 1.06 | 1.1 | 149 | AC | 0.8 | 1.4 | WHITE RIVER NARROWS |
| 8 | 1:39: 5 | 37.858 | 116.129 | 0.2 | -0.06 | 0.3 | 106 | AC | 1.0 | 1.0 | REVEILLE PEAK |
| 9 | 2: 7: 8 | 36.488 | 117.142 | 0.4 | 4.23 | 1.0 | 178 | AC | 0.8 | 1.4 | EMIGRANT CANYON |
| 9 | 7:45:28 | 37.884 | 116.126 | 0.3 | 2.12 | 1.4 | 154 | AC | 0.7 | 1.4 | REVEILLE PEAK |
| 10 | 5:35:53 | 37.858 | 116.135 | 0.3 | 5.58 | 4.4 | 106 | BC | 0.9 | 1.8 | REVEILLE PEAK |
| 10 | 5:52:15 | 37.849 | 116.140 | 0.5 | 7.30 | 3.8 | 104 | BC | 2.1 | 1.6 | REVEILLE PEAK |
| 10 | 5:56:11 | 37.857 | 116.133 | 0.2 | 0.72 | 0.3 | 106 | AC | 2.0 | 1.8 | REVEILLE PEAK |
| 11 | 11:51:10 | 37.814 | 116.132 | 0.6 | 4.60 | 1.5 | 216 | AD | 1.3 | 0.8 | TIPPIPAH SPRING |

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1986 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 11 19:11:16 | 36.810 | 116.002 | 0.3 | 3.82 | 2.8 | 129 | BC | 1.7 | 1.3 | CANE SPRING |
| 12 6:51:57 | 37.843 | 116.103 | 0.4 | 5.31 | 0.8 | 254 | AD | 1.2 | 0.9 | YUCCA FLAT |
| 12 10:53:16 | 37.462 | 117.319 | 0.4 | 2.58 | 1.1 | 120 | AC | 0.5 | 1.2 | MOUNT JACKSON |
| 13 2: 2:58 | 36.805 | 116.298 | 0.3 | 7.02 | 0.3 | 88 | AA | 0.3 | 0.5 | STRIPED HILLS |
| 13 7: 0:41 | 37.604 | 116.408 | 0.3 | 0.16 | 1.8 | 87 | AC | 0.5 | 1.1 | QUARTZITE MTN |
| 13 9: 3:27 | 37.864 | 116.120 | 0.3 | 0.38 | 0.5 | 108 | AC | 0.7 | 1.4 | REVEILLE PEAK |
| 13 14:23:33 | 37.230 | 117.348 | 0.2 | 0.37 | 0.6 | 92 | AB | 0.6 | 1.3 | UBEHEBE CRATER |
| 13 19:17: 8 | 36.850 | 116.076 | 0.2 | 0.77 | 0.6 | 114 | AB | 1.5 | 1.1 | CANE SPRING |
| 13 20:37:30 | 36.857 | 116.078 | 0.3 | 0.46 | 0.6 | 108 | AD | 0.4 | 0.8 | CANE SPRING |
| 14 1:33:36 | 36.851 | 115.264 | 0.3 | 2.00 | 0.7 | 98 | AB | 0.2 | 0.2 | JACKASS FLATS |
| 14 3:56:42 | 37.832 | 116.134 | 0.1 | 0.70 | 0.2 | 105 | AC | 2.0 | 1.8 | REVEILLE PEAK |
| 14 8:56:35 | 36.818 | 115.993 | 0.2 | 0.07 | 1.1 | 111 | AC | 1.9 | 1.2 | FRENCHMAN FLAT |
| 14 13: 3:13 | 37.178 | 117.437 | 0.2 | 0.65 | 0.7 | 132 | AC | 0.5 | 1.0 | UBEHEBE CRATER |
| 14 22:20: 1 | 36.803 | 116.037 | 1.0 | 2.45 | 0.9 | 157 | AC | 0.6 | 0.5 | BARE MTN |
| 15 4:28:58 | 37.860 | 116.136 | 0.3 | 0.53 | 0.4 | 107 | AC | 0.8 | 1.8 | REVEILLE PEAK |
| 15 11:41:11 | 37.859 | 116.131 | 0.2 | 0.43 | 0.4 | 107 | AC | 2.1 | 1.7 | REVEILLE PEAK |
| 15 18:28:54 | 37.319 | 115.358 | 0.5 | 1.28 | 1.8 | 105 | AC | 0.5 | 1.2 | BADGER SPRING |
| 16 16:48:12 | 37.882 | 114.965 | 0.3 | 1.68 | 0.8 | 135 | AC | 0.5 | 1.2 | PAHROC SPRING |
| 16 23:16:16 | 37.863 | 116.133 | 0.3 | 7.00** | 0.2 | 112 | CC | 0.7 | 1.5 | REVEILLE PEAK |
| 17 1:31:30 | 37.216 | 116.458 | 0.5 | 5.49 | 2.9 | 68 | BC | 2.5 | 2.2 | SCRUGHAM PEAK |
| 17 20:28:35 | 37.856 | 116.139 | 0.3 | 0.04 | 0.5 | 104 | AC | 0.7 | 1.4 | REVEILLE PEAK |
| 17 23: 7:57 | 37.813 | 115.133 | 0.3 | 9.16 | 1.1 | 171 | AC | 2.1 | 1.7 | LOWER PAHRANAGAT LAKE SW |
| 18 20:32:55 | 37.858 | 116.139 | 0.2 | 2.30 | 1.0 | 108 | AC | 0.8 | 1.6 | REVEILLE PEAK |
| 19 11:44:23 | 37.553 | 115.818 | 0.1 | 0.10 | 0.2 | 89 | AC | 0.6 | 1.4 | WHITE BLOTCH SPRINGS |
| 20 0:39:33 | 37.868 | 116.134 | 0.2 | 1.11 | 1.0 | 108 | AC | 1.9 | 1.5 | REVEILLE PEAK |
| 20 16:39:39 | 37.284 | 117.623 | 0.5 | 4.00 | 1.3 | 188 | AB | 0.5 | 1.1 | MAGRUDER MTN |
| 21 10:55:57 | 37.333 | 117.259 | 0.3 | 0.83 | 0.2 | 110 | AB | 0.5 | 1.1 | GOLD POINT |
| 21 19:50:38 | 37.541 | 117.574 | 0.3 | 0.68 | 0.4 | 89 | AC | 1.9 | 1.6 | LIDA WASH |
| 21 22:23:29 | 36.794 | 116.751 | 53.7 | 7.00* | --- | 339 | DD | --- | 1.5 | BULLFROG |
| 21 22:43:52 | 37.868 | 116.134 | 0.2 | 0.23 | 0.2 | 107 | AC | 1.5 | 1.7 | REVEILLE PEAK |
| 22 7:35:28 | 37.350 | 117.234 | 0.4 | -0.12 | 0.3 | 72 | AB | 2.5 | --- | SCOTTYS JUNCTION SW |
| 22 9:58: 2 | 37.859 | 116.131 | 0.1 | 0.25 | 0.2 | 107 | AC | 2.0 | 2.0 | REVEILLE PEAK |
| 22 10: 0:15 | 37.839 | 115.078 | 0.2 | 0.70 | 0.3 | 120 | AB | 0.5 | 1.3 | WHITE RIVER NARROWS |
| 22 11:39: 2 | 37.851 | 115.045 | 0.4 | 5.11 | 0.7 | 165 | AC | 1.8 | 1.9 | WHITE RIVER NARROWS |
| 22 12:56: 4 | 37.847 | 115.070 | 0.4 | 3.96 | 0.8 | 130 | AB | 0.5 | 1.4 | WHITE RIVER NARROWS |
| 23 7: 4:58 | 37.851 | 116.135 | 0.2 | 0.72 | 0.3 | 105 | AC | 0.6 | 1.4 | REVEILLE PEAK |
| 25 9:27: 0 | 37.258 | 117.311 | 0.4 | 0.12 | 0.3 | 124 | AB | 0.6 | 1.1 | GOLD POINT |
| 26 5:30:47 | 37.278 | 116.341 | 0.3 | 1.08 | 1.1 | 80 | AB | 2.3 | 2.3 | DEAD HORSE FLAT |
| 26 17:10:39 | 37.859 | 116.141 | 0.3 | 6.93 | 2.0 | 108 | AC | 0.7 | 1.3 | REVEILLE PEAK |
| 26 19:54:39 | 37.859 | 116.132 | 0.1 | 0.43 | 0.7 | 107 | AC | 2.2 | 1.8 | REVEILLE PEAK |
| 27 11:17: 4 | 37.851 | 115.062 | 0.5 | 4.95 | 0.7 | 142 | AC | 0.8 | 1.7 | WHITE RIVER NARROWS |
| 29 2:36:49 | 37.345 | 117.241 | 0.3 | -0.03 | 0.2 | 70 | AB | 1.9 | 1.6 | SCOTTYS JUNCTION SW |
| 29 4: 6:42 | 37.864 | 116.136 | 0.2 | 0.33 | 0.3 | 108 | AC | 0.8 | 1.8 | REVEILLE PEAK |
| 29 7:26:19 | 37.316 | 117.493 | 0.2 | -0.67 | 0.3 | 105 | AC | 0.6 | 1.2 | GOLD POINT SW |
| 29 7:53:36 | 37.856 | 116.134 | 0.2 | 0.47 | 0.3 | 106 | AC | 1.8 | 1.7 | REVEILLE PEAK |
| 29 12:17:15 | 37.348 | 117.259 | 0.3 | 0.68 | 0.2 | 111 | AB | 0.5 | 1.0 | GOLD POINT |
| 29 14:48: 3 | 37.851 | 116.135 | 0.3 | 1.68 | 0.9 | 105 | AC | 0.7 | 1.5 | REVEILLE PEAK |
| 30 23:45:11 | 37.154 | 117.359 | 0.3 | 0.12 | 2.0 | 116 | AC | 0.5 | 1.2 | UBEHEBE CRATER |
| 31 13:10:28 | 37.851 | 116.136 | 0.2 | 0.84 | 0.3 | 105 | AC | 0.7 | 1.5 | REVEILLE PEAK |
| 31 13:35:31 | 37.213 | 117.026 | 0.2 | 12.32 | 1.2 | 135 | AC | 0.4 | 1.1 | BONNIE CLAIRE |
| NOV 1 13:20: 3 | 37.327 | 114.872 | 0.4 | 5.51 | 1.4 | 217 | AD | 1.6 | 1.4 | GREGERSON BASIN |
| 3 12:15:45 | 37.489 | 117.688 | 0.1 | 0.85 | 0.2 | 108 | AC | 1.9 | 1.7 | MAGRUDER MTN |
| 5 4:11:20 | 37.849 | 116.134 | 0.2 | 0.25 | 0.3 | 105 | AC | 0.7 | 1.5 | REVEILLE PEAK |
| 8 1:24: 9 | 36.492 | 116.580 | 0.2 | 4.62 | 2.0 | 68 | BC | 0.6 | 1.1 | RYAN |
| 8 1:52:51 | 37.810 | 116.921 | 0.2 | 0.57 | 0.2 | 140 | AC | 0.8 | 1.9 | CACTUS PEAK |
| 8 5:30:26 | 37.864 | 115.068 | 0.3 | 0.83 | 0.4 | 98 | AC | 0.5 | 1.1 | HIKO NE |
| 8 18:28:41 | 37.853 | 116.137 | 0.3 | 4.59 | 5.6 | 105 | CC | 0.7 | 1.5 | REVEILLE PEAK |
| 9 10: 0: 5 | 37.867 | 116.134 | 0.2 | 0.83 | 0.3 | 108 | AC | 1.8 | 1.8 | REVEILLE PEAK |
| 9 20:31:55 | 37.863 | 116.136 | 0.2 | 0.84 | 0.3 | 107 | AC | 1.7 | 1.7 | REVEILLE PEAK |
| 10 15:32:57 | 37.158 | 117.385 | 0.2 | 1.75 | 0.7 | 110 | AC | 1.5 | 1.4 | UBEHEBE CRATER |
| 10 16:29:30 | 37.162 | 117.384 | 0.4 | 2.61 | 2.7 | 121 | BC | 0.5 | 1.1 | UBEHEBE CRATER |
| 11 3:49:00 | 37.854 | 116.134 | 0.3 | 1.79 | 0.9 | 106 | AC | 1.8 | 1.7 | REVEILLE PEAK |
| 11 20: 7: 0 | 37.141 | 116.289 | 0.1 | 7.42 | 0.4 | 63 | AB | 1.7 | 1.5 | AMMONIA TANKS |
| 11 21:30:37 | 37.143 | 116.294 | 0.2 | 7.78 | 0.3 | 62 | AB | 0.5 | 1.0 | AMMONIA TANKS |
| 12 1:40:20 | 37.851 | 116.136 | 0.2 | 0.83 | 0.3 | 105 | AC | 1.4 | 1.6 | REVEILLE PEAK |
| 12 8:27:39 | 37.850 | 116.135 | 0.2 | 1.02 | 1.0 | 105 | AC | 1.9 | 1.7 | REVEILLE PEAK |

9075900/618

1988 LOCAL HYPOCENTER SUMMARY

| DATE | TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV 12 | 11:19:44 | 36.813 | 116.572 | 0.8 | 0.20 | 0.2 | 304 | AD | 0.5 | 0.5 | BARE MTN |
| 13 | 3:35:34 | 37.052 | 116.137 | 0.3 | 4.02 | 0.3 | 105 | CC | 1.0 | 1.6 | REVEILLE PEAK |
| 14 | 1:45: 4 | 37.012 | 116.223 | 0.5 | 2.14 | 0.8 | 131 | AB | 1.5 | 1.1 | TIPPIPAH SPRING |
| 15 | 3: 1: 4 | 37.114 | 117.122 | 0.3 | 5.49 | 2.5 | 198 | BC | 0.5 | 0.8 | BONNIE CLAIRE SE |
| 15 | 12:37: 7 | 37.352 | 117.254 | 0.3 | -0.28 | 0.2 | 71 | AB | 1.0 | 1.6 | GOLD POINT |
| 15 | 17:46:12 | 36.649 | 115.724 | 0.5 | 5.84 | 5.4 | 205 | CD | 0.5 | 1.0 | INDIAN SPRINGS NW |
| 16 | 17:56:28 | 37.275 | 116.265 | 0.5 | 11.45 | 1.7 | 98 | AC | 0.4 | 0.9 | DEAD HORSE FLAT |
| 17 | 17:55:34 | 37.195 | 116.392 | 0.2 | 7.70 | 0.4 | 97 | AB | 0.5 | 0.9 | SCRUGHAM PEAK |
| 17 | 18:30: 9 | 37.196 | 116.379 | 0.4 | 6.04 | 0.7 | 88 | BA | 0.5 | 1.0 | SCRUGHAM PEAK |
| 17 | 18:51:38 | 37.199 | 116.386 | 0.2 | 6.18 | 0.3 | 84 | AA | 1.5 | 1.1 | SCRUGHAM PEAK |
| 17 | 19:20:42 | 37.202 | 116.383 | 0.3 | 6.61 | 0.7 | 104 | BB | 0.4 | 1.0 | SCRUGHAM PEAK |
| 17 | 23:55:26 | 37.780 | 117.443 | 0.9 | 11.51 | 3.8 | 297 | BD | --- | --- | PAYMASTER RIDGE |
| 18 | 2:27:20 | 37.848 | 116.135 | 0.3 | 2.42 | 1.8 | 105 | AC | 1.9 | 1.8 | REVEILLE PEAK |
| 18 | 4: 1:40 | 37.848 | 116.129 | 0.4 | 0.37 | 0.4 | 191 | AD | 0.6 | 1.4 | REVEILLE PEAK |
| 18 | 20: 4: 3 | 36.623 | 116.023 | 0.1 | 9.58 | 0.4 | 63 | AA | 1.8 | 1.4 | SPECTER RANGE SE |
| 19 | 11:53:37 | 37.354 | 114.842 | 0.7 | 7.00** | 5.6 | 197 | CD | 0.5 | 1.0 | DELAMAR LAKE |
| 19 | 23:29: 5 | 36.721 | 116.272 | 0.5 | 5.39 | 0.6 | 259 | AD | 0.3 | 0.5 | STRIPED HILLS |
| 20 | 22:34:51 | 36.878 | 116.184 | 0.5 | 7.34 | 0.7 | 178 | AC | 0.2 | 0.3 | MINE MTN |
| 21 | 16:28:38 | 37.342 | 117.293 | 0.4 | 0.13 | 0.3 | 112 | AB | 0.8 | 1.1 | GOLD POINT |
| 22 | 0:20:21 | 36.912 | 116.183 | 0.6 | 9.83 | 0.4 | 291 | AD | 0.3 | 0.7 | MINE MTN |
| 22 | 4:14:37 | 37.240 | 117.108 | 0.4 | 13.74 | 1.3 | 75 | BC | 0.8 | 1.2 | BONNIE CLAIRE |
| 22 | 15:38:38 | 36.583 | 116.259 | 0.2 | 6.79 | 1.1 | 67 | AB | 1.0 | 1.1 | LATHROP WELLS SE |
| 22 | 23: 7:55 | 37.938 | 115.247 | 0.8 | 6.40 | 3.4 | 282 | BD | 0.6 | 1.7 | OREANA SPRING |
| 23 | 23:31:15 | 36.884 | 116.175 | 0.2 | 7.00** | 0.3 | 58 | AA | 1.6 | 1.3 | MINE MTN |
| 24 | 3:55:59 | 37.045 | 117.544 | 0.3 | 4.98 | 3.6 | 167 | BC | 2.0 | 1.9 | LAST CHANCE RANGE |
| 25 | 12:23:20 | 37.144 | 116.298 | 0.2 | 8.31 | 1.0 | 81 | AA | 1.6 | 1.6 | AMMONIA TANKS |
| 26 | 0:21:32 | 36.916 | 116.783 | 0.2 | 5.88 | 1.7 | 72 | AC | 1.6 | 1.4 | BULLFROG |
| 26 | 21:27:43 | 37.221 | 116.875 | 0.2 | 8.59 | 1.2 | 146 | AC | 0.4 | 0.8 | SPRINGDALE |
| 27 | 1: 1:37 | 37.079 | 116.032 | 0.2 | 0.51 | 0.3 | 163 | AC | 2.0 | 1.7 | YUCCA FLAT |
| 27 | 8: 1:56 | 37.570 | 117.449 | 0.2 | 5.59 | 1.0 | 92 | AC | 0.4 | 0.9 | MONTEZUMA PEAK SW |
| 28 | 9:17:53 | 36.836 | 115.990 | 0.3 | 6.35 | 1.0 | 202 | AD | 0.3 | 0.8 | FRENCHMAN FLAT |
| 28 | 20:57:37 | 36.735 | 116.144 | 0.2 | 7.78 | 0.7 | 128 | AB | 0.2 | 0.4 | SPECTER RANGE NW |
| 29 | 0:48:17 | 36.963 | 116.144 | 0.6 | 5.16 | 1.8 | 294 | AD | 0.3 | 0.5 | MINE MTN |
| 29 | 11:38:27 | 36.901 | 116.216 | 0.3 | 2.13 | 0.4 | 302 | AD | 0.5 | 0.2 | MINE MTN |
| 29 | 14:58:34 | 37.302 | 114.989 | 0.7 | 4.49 | 2.2 | 197 | BD | 0.6 | 1.4 | DELAMAR LAKE |
| 30 | 4: 7:32 | 37.891 | 116.166 | 0.8 | 5.21 | 0.2 | 151 | CC | 0.6 | 1.2 | REVEILLE PEAK |
| DEC 2 | 2: 3:38 | 37.853 | 116.132 | 0.2 | 0.33 | 0.2 | 106 | AC | 1.7 | 1.9 | REVEILLE PEAK |
| 2 | 3:59:22 | 36.870 | 116.162 | 0.2 | 1.57 | 0.4 | 87 | AA | 1.3 | 1.0 | SKULL MTN |
| 2 | 16:48:43 | 37.338 | 117.276 | 0.4 | -0.03 | 0.2 | 173 | AC | 0.9 | 1.0 | GOLD POINT |
| 2 | 17:45:23 | 36.437 | 116.963 | 0.2 | 10.63 | 0.5 | 86 | AB | 2.0 | 1.6 | FURNACE CREEK |
| 2 | 20: 7:14 | 37.621 | 114.981 | 0.2 | 0.28 | 0.2 | 100 | AB | 0.4 | 1.1 | PAHROC SUMMIT PASS |
| 3 | 15:35:34 | 36.459 | 116.158 | 0.2 | 10.46 | 0.4 | 77 | AA | 0.9 | 1.1 | AMARGOSA FLAT |
| 3 | 16:38:53 | 36.466 | 116.166 | 0.2 | 9.17 | 0.4 | 76 | AA | --- | 1.0 | AMARGOSA FLAT |
| 3 | 16:39: 5 | 36.463 | 116.160 | 0.2 | 10.44 | 0.4 | 77 | AA | 2.0 | 1.0 | AMARGOSA FLAT |
| 3 | 16:46:14 | 36.463 | 116.163 | 0.2 | 10.11 | 0.4 | 77 | AA | 1.7 | 1.4 | AMARGOSA FLAT |
| 3 | 17:58:54 | 37.853 | 116.135 | 0.4 | 1.38 | 1.5 | 105 | BC | 0.8 | 1.5 | REVEILLE PEAK |
| 4 | 9:14:57 | 37.848 | 116.129 | 0.2 | 2.62 | 1.4 | 105 | AC | 0.7 | 1.5 | REVEILLE PEAK |
| 4 | 19:34:27 | 37.333 | 116.963 | 0.2 | 0.31 | 1.0 | 124 | AC | 1.7 | 1.2 | TOLICHA PEAK |
| 4 | 21:37:28 | 37.335 | 116.965 | 0.3 | 0.82 | 1.5 | 125 | AC | 0.8 | 1.3 | TOLICHA PEAK |
| 5 | 11:24:49 | 36.823 | 116.818 | 0.3 | 13.38 | 0.4 | 120 | AB | 0.3 | 0.6 | CAMP DESERT ROCK |
| 5 | 18:18:51 | 37.352 | 117.234 | 0.3 | -0.36 | 0.2 | 72 | AB | 2.1 | 1.9 | SCOTTYS JUNCTION SW |
| 6 | 2:21: 8 | 36.969 | 116.481 | 0.1 | -0.26 | 0.2 | 162 | AC | 0.5 | 0.7 | TOPOPAH SPRING NW |
| 6 | 8:55:33 | 36.868 | 116.888 | 0.2 | 11.46 | 0.5 | 171 | AC | 0.4 | 0.8 | CANE SPRING |
| 6 | 9:20: 1 | 36.462 | 116.105 | 0.2 | 0.87 | 0.4 | 65 | AA | 2.4 | 2.7 | AMARGOSA FLAT |
| 6 | 9:20:13 | 36.459 | 116.160 | 0.2 | 10.87 | 0.3 | 69 | AA | 1.8 | 1.8 | AMARGOSA FLAT |
| 6 | 9:32:55 | 36.461 | 116.158 | 0.2 | 10.71 | 0.3 | 69 | AA | 2.0 | 1.8 | AMARGOSA FLAT |
| 6 | 9:36:28 | 36.462 | 116.161 | 0.2 | 10.61 | 0.3 | 68 | AA | 1.8 | 1.4 | AMARGOSA FLAT |
| 8 | 10:12:25 | 37.168 | 115.517 | 0.3 | 5.67 | 3.0 | 125 | BC | 0.5 | 1.3 | FALLOUT HILLS NE |
| 9 | 20:39:39 | 37.242 | 115.404 | 0.4 | 1.40 | 1.8 | 105 | AC | 0.8 | 1.4 | DESERT HILLS NW |
| 10 | 5:42:49 | 36.857 | 116.372 | 0.4 | 5.63 | 0.5 | 212 | AD | 0.2 | 0.4 | STRIPED HILLS |
| 10 | 9: 0:21 | 37.862 | 116.127 | 3.3 | 7.00** | 3.2 | 111 | BC | 0.7 | 1.5 | REVEILLE PEAK |
| 10 | 15: 3:53 | 36.631 | 116.332 | 0.2 | 3.00 | 1.1 | 42 | AA | 2.3 | 2.0 | STRIPED HILLS |
| 10 | 15:25:19 | 36.636 | 116.331 | 0.4 | 3.53 | 0.3 | 183 | AD | 0.4 | 0.7 | STRIPED HILLS |
| 10 | 15:37:49 | 36.641 | 116.330 | 0.8 | 3.50 | 0.2 | 165 | AC | 0.3 | 0.5 | STRIPED HILLS |
| 12 | 10: 6:30 | 37.882 | 116.126 | 0.3 | 18.16 | 1.4 | 112 | AC | 0.7 | 1.7 | REVEILLE PEAK |
| 12 | 15:52:10 | 37.859 | 116.124 | 0.4 | 10.66 | 2.3 | 107 | BB | 0.6 | 1.4 | REVEILLE PEAK |

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9075900/619

1988 LOCAL HYPOCENTER SUMMARY

| DATE - TIME (UCT) | LATITUDE (DEG. N) | LONGITUDE (DEG. W) | HORIZ ERROR (KM) | DEPTH (KM) | VERT ERROR (KM) | AZI GAP (DEG) | QUAL | Md | Mblg | QUADRANGLE |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 12 18:11: 1 | 36.458 | 116.169 | 0.2 | 10.03 | 0.4 | 69 | AA | 1.5 | 1.2 | AMARGOSA FLAT |
| 12 22:58:46 | 37.331 | 114.952 | 0.2 | 1.83 | 0.6 | 159 | AC | 1.6 | 1.7 | DELAMAR LAKE |
| 15 3:45:54 | 36.636 | 116.335 | 0.4 | 3.54 | 0.4 | 184 | AD | 0.3 | 0.6 | STRIPED HILLS |
| 15 16:17: 5 | 37.331 | 114.955 | 0.4 | 1.84 | 0.7 | 197 | AD | 0.8 | 1.4 | DELAMAR LAKE |
| 16 2:20:41 | 37.107 | 118.244 | 1.4 | -0.08 | 1.2 | 289 | BD | 2.1 | 2.0 | ***REGIONAL*** |
| 16 16: 1:17 | 37.871 | 116.120 | 0.4 | 4.74 | 0.6 | 109 | CC | 2.1 | 2.2 | REVEILLE PEAK |
| 16 19:28: 0 | 36.215 | 115.969 | 0.3 | 5.01 | 2.3 | 170 | BC | 0.7 | 1.4 | PAHRUMP |
| 17 3:27:48 | 36.601 | 116.055 | 0.2 | 5.24 | 0.7 | 129 | AC | 0.5 | 0.6 | SPECTER RANGE SE |
| 17 7:56:41 | 36.897 | 116.250 | 0.5 | 5.36 | 0.4 | 211 | AD | 0.4 | 0.7 | STRIPED HILLS |
| 17 11:40:52 | 37.469 | 117.253 | 0.3 | 5.09 | 2.0 | 93 | BC | 1.5 | 1.4 | MOUNT JACKSON |
| 17 13: 5:33 | 37.180 | 114.917 | 0.6 | 7.01 | 1.3 | 214 | AD | 0.6 | 1.3 | DELAMAR 3 NW |
| 17 15:36:34 | 37.184 | 114.934 | 0.5 | 9.18 | 1.0 | 245 | AD | 0.7 | 1.5 | DELAMAR 3 NW |
| 17 19:32: 7 | 37.187 | 114.948 | 0.5 | 14.30 | 0.6 | 215 | AD | 1.4 | 1.8 | DELAMAR 3 NW |
| 18 14:52:42 | 36.459 | 116.183 | 0.2 | 10.25 | 0.3 | 68 | AA | 0.5 | 0.9 | AMARGOSA FLAT |
| 18 21:32:28 | 36.459 | 116.181 | 0.2 | 10.51 | 0.2 | 66 | AA | 0.6 | 1.1 | AMARGOSA FLAT |
| 19 20:30:29 | 36.384 | 117.446 | 0.5 | 5.94 | 3.2 | 238 | BD | 0.6 | 1.3 | PANAMINT BUTTE |
| 20 19: 3:37 | 36.718 | 117.287 | 0.3 | 9.54 | 0.7 | 118 | AB | 2.0 | 1.7 | MARBLE CANYON |
| 21 1:27: 0 | 37.857 | 116.135 | 0.2 | 0.10 | 0.3 | 186 | AC | 1.7 | 1.7 | REVEILLE PEAK |
| 21 3: 3:38 | 37.855 | 116.135 | 0.4 | 5.07 | 7.3 | 186 | CC | 0.8 | 1.0 | REVEILLE PEAK |
| 21 9:15:37 | 36.866 | 116.578 | 0.5 | 8.68 | 0.6 | 196 | AD | 0.4 | 0.5 | BARE MTN |
| 22 4:47:20 | 37.856 | 116.127 | 0.3 | 0.38 | 0.8 | 186 | AC | 1.8 | 2.1 | REVEILLE PEAK |
| 23 1:11:49 | 37.849 | 116.133 | 0.2 | 6.78 | 1.7 | 185 | AC | 0.8 | 1.0 | REVEILLE PEAK |
| 23 4:14:17 | 37.516 | 117.199 | 0.4 | 8.86 | 2.7 | 188 | BC | 1.5 | 1.4 | GOLDFIELD |
| 23 4:29:51 | 37.516 | 117.200 | 0.6 | 5.61 | 5.7 | 189 | CC | 0.6 | 1.2 | GOLDFIELD |
| 23 5:23: 9 | 36.702 | 116.268 | 0.2 | 0.52 | 0.1 | 125 | AB | 0.4 | 0.7 | STRIPED HILLS |
| 24 1:56:54 | 36.626 | 116.348 | 0.2 | 4.12 | 0.8 | 50 | BA | 1.7 | 1.2 | STRIPED HILLS |
| 24 6:41: 9 | 37.665 | 114.878 | 0.3 | 5.53 | 0.5 | 153 | AC | 0.6 | 1.1 | PAHROC SPRING |
| 26 5:51: 8 | 36.633 | 116.345 | 0.2 | 3.84 | 0.3 | 69 | AA | 0.5 | 0.7 | STRIPED HILLS |
| 26 9:51:37 | 37.249 | 117.658 | 0.3 | 8.18 | 0.4 | 156 | AC | 0.6 | 1.1 | LAST CHANCE RANGE |
| 26 18: 1:35 | 37.349 | 117.236 | 0.8 | 0.10 | 0.5 | 71 | AB | --- | --- | SCOTTYS JUNCTION SW |
| 27 21: 0:20 | 36.602 | 116.048 | 0.1 | 0.31 | 0.5 | 63 | AB | 1.8 | 1.5 | SPECTER RANGE SE |
| 27 22:22:29 | 37.854 | 116.134 | 0.2 | 5.59 | 2.4 | 186 | BC | 2.1 | 1.7 | REVEILLE PEAK |
| 28 2:58:43 | 37.859 | 116.137 | 0.3 | 6.10 | 2.7 | 187 | BC | 0.8 | 1.6 | REVEILLE PEAK |
| 28 5:34:12 | 37.288 | 117.680 | 0.3 | -1.83 | 0.3 | 156 | AC | 0.6 | 1.1 | MAGRUDER MTN |
| 28 9:41:11 | 37.843 | 116.130 | 0.5 | 8.98 | 0.5 | 189 | AD | 0.5 | 1.1 | REVEILLE PEAK |
| 29 1:45:18 | 37.854 | 116.138 | 0.3 | 4.84 | 6.8 | 186 | CC | 0.7 | 1.4 | REVEILLE PEAK |
| 29 2:41:49 | 37.847 | 116.134 | 0.3 | 4.60 | 4.4 | 184 | BC | 0.7 | 1.4 | REVEILLE PEAK |
| 29 9:58:38 | 37.851 | 116.149 | 0.3 | 5.78 | 2.7 | 154 | BC | 0.7 | 1.5 | REVEILLE PEAK |
| 29 15:55:58 | 37.795 | 116.197 | 0.3 | 8.38 | 2.3 | 122 | BC | 0.7 | 1.7 | REVEILLE PEAK |
| 30 9: 1:34 | 37.858 | 116.132 | 0.1 | 2.15 | 0.9 | 187 | AC | 0.8 | 1.6 | REVEILLE PEAK |
| 30 11:59:54 | 37.316 | 117.692 | 0.2 | 0.50 | 0.3 | 147 | AC | 0.8 | 1.5 | MAGRUDER MTN |
| 30 14:14:51 | 36.870 | 116.071 | 0.2 | 9.75 | 6.5 | 64 | AA | 0.7 | 2.5 | CAMP DESERT ROCK |
| 30 16:28:30 | 37.164 | 117.882 | 0.3 | 8.33 | 1.4 | 222 | AD | 0.7 | 1.4 | WAUCOBA SPRING |
| 30 17: 6:35 | 37.184 | 117.867 | 0.3 | 8.22 | 1.0 | 218 | AD | 0.7 | 1.5 | WAUCOBA SPRING |
| 30 16: 5:44 | 37.848 | 116.135 | 0.2 | 4.33 | 5.7 | 185 | CC | 0.8 | 1.5 | REVEILLE PEAK |
| 30 22:45:15 | 37.172 | 117.870 | 0.2 | 5.13 | 2.5 | 79 | BC | 0.8 | 1.0 | BONNIE CLAIRE |
| 31 0:40: 8 | 37.168 | 117.886 | 0.9 | 5.08 | 5.2 | 245 | CD | --- | 1.9 | WAUCOBA SPRING |
| 31 1:57:42 | 36.548 | 116.248 | 0.2 | 7.72 | 0.9 | 153 | AC | 0.5 | 0.9 | SPECTER RANGE SW |
| 31 2:40:25 | 36.544 | 116.244 | 0.2 | 6.93 | 1.5 | 188 | AC | 1.4 | 1.3 | SPECTER RANGE SW |
| 31 5:39:19 | 37.173 | 117.888 | 0.5 | 7.34 | 2.0 | 219 | AD | 0.8 | 1.4 | WAUCOBA SPRING |
| 31 15:52:35 | 36.600 | 116.049 | 0.2 | 9.64 | 0.5 | 131 | AB | 0.4 | 0.9 | SPECTER RANGE SE |
| 31 19:58: 7 | 36.599 | 116.047 | 0.2 | 10.26 | 0.5 | 132 | AB | 0.4 | 1.0 | SPECTER RANGE SE |
| 31 20:22:35 | 36.739 | 116.181 | 0.2 | 8.54 | 0.6 | 98 | AB | 0.5 | 1.0 | CAMP DESERT ROCK |

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## Appendix B

Station codes, locations, and instrumentation



9075900/621

STATION INFORMATION

| CODE | STATION | PERIOD OF OPERATION (YR/MO/DA-YR/MO/DA) | LATITUDE (DEG MINUTES) | LONGITUDE (DEG MINUTES) | ELEVATION (METERS) | SEISMOMETER MODEL | GAIN (DB) |
|---|---|---|---|---|---|---|---|
| AMR | Amargosa, Cal | 78/07/24-present | 36 23.86 N | 116 28.45 W | 720 | L-4C | 84 |
| APK | Angels Peak, Nev | 75/06/15-83/08/05 | 36 19.17 N | 115 34.48 W | 2680 | S-13 to 81/03/21<br>L-4C 81/03/21-end | 84 |
| APKW | Angels Peak, Nev | 83/08/05-present | 36 19.19 N | 115 35.22 W | 2512 | L-4C | 84 |
| BGB | Big Bulle, Nev | 79/01/23-present | 37 02.27 N | 116 13.06 W | 1720 | L-4C | 84 |
| BLT | Belted Range, Nev. | 79/05/30-present | 37 28.93 N | 116 07.35 W | 1820 | L-4C | 84 |
| BMT | Black Mountain, Nev. | 80/02/26-83/04/01 | 37 17.02 N | 116 38.74 W | 2191 | L-4C | 84 |
| BMTN | Black Mountain, Nev | 83/04/01-present | 37 17.35 N | 116 38.43 W | 1900 | L-4C | 84 |
| CDHI | Calico Hills, Nev. | 80/02/06-81/11/18 | 36 51.62 N | 116 19.05 W | 1387 | L-1-30S (vert.)<br>L-4C 18/11/81-pr | 90<br>84 |
| CP1 | CP-1, Nev. | 77/--/----80/03/01 | 36 55.80 N | 116 03.33 W | 1285 | NGC-21 to 80/08/05<br>L-4C 80/08/05-pr. | 84 |
| CTS | Cactus Peak, Nev. | 79/04/24-present | 37 39.40 N | 116 43.54 W | 1890 | L-4C | 84 |
| DLM | Delamar Mountains, Nev. | 78/06/08-present | 37 36.35 N | 114 44.33 W | 1730 | L-4C | 84 |
| EPN | Echo Peak, Nev. | 75/09/02-present | 37 12.85 N | 116 19.42 W | 2285 | S-13 to 80/04/25<br>L-4C 80/04/25-pr. | 84 |
| EPNH | Echo Peak, Nev | 84/06/06-present | 37 12.85 N | 116 19.42 W | 2.35 | L-4C horizontal | 78 |
| EPR | East Pahranagat Rg. Nev | 79/01/23-present | 37 16.12 N | 115 11.19 W | 1300 | L-4C | 84 |
| FMT | Funeral Mountains, Cal. | 78/11/28-present | 36 38.38 N | 116 46.73 W | 1825 | L-4C | 84 |
| GLR | Groom Lake Road, Nev. | 75/11/20-present | 37 11.96 N | 116 01.06 W | 1435 | L-4C | 84 |
| GMN | Gold Mountain, Nev. | 79/07/13-present | 37 18.8. N | 117 15.58 W | 2155 | L-4C | 84 |
| GMNH | Gold Mountain, Nev. | 84/07/30-present | 37 18.81 N | 117 15.58 W | 2155 | L-4C horizontal | 78 |
| GMR | Groom Range, Nev. | 79/01/23-present | 37 28.03 N | 115 46.27 W | 1580 | L-4C | 84 |
| GMRH | Groom Range Nev. | 84/09/09-present | 37 26.03 N | 115 46.27 W | 1580 | L-4C | 84 |
| GVN | Grapevine, Cal | 78/11/28-present | 37 00.09 N | 117 28.55 W | 865 | L-4C | 84 |
| GWV | Greenwater Valley, Cal | 78/07/24-present | 36 11.20 N | 116 40.24 W | 1540 | L-4C | 84 |
| HCR | Hot Creek Range, Nev. | 81/07/21-present | 38 14.02 N | 116 26.18 W | 2030 | L-4C | 84 |
| JDN | Johnnie, Nev. | 78/07/24-present | 36 26.39 N | 116 06.18 W | 920 | L-4C | 84 |
| JDNH | Johnnie, Nev. | 84/06/22-present | 36 26.38 N | 116 06.18 W | 920 | L-4C horizontal | 78 |
| KRNA | Kawich Range, Nev. | 80/04/23-present | 37 44.47 N | 116 22.80 W | 1980 | L-4C | 84 |
| LCH | Last Change Range, Cal. | 79/07/13-present | 37 14.00 N | 117 38.84 W | 1455 | L-4C | 84 |
| LOP | Lookout Peak, Nev. | 79/01/23-present | 36 51.25 N | 116 10.05 W | 1635 | L-4C | 84 |
| LSM | Little Skull Mt., Nev. | 79/12/13-present | 36 44.40 N | 116 16.37 W | 1140 | S-13 | 84 |
| LSMH | Little Skull Mt., Nev. | 84/07/17-present<br>86/01/13 | 36 44.40 N | 116 16.37 W | 1140 | L-4C horizontal<br>Gain lowered to | 78<br>38 |
| LSME | Little Skull Mt., Nev. | 84/07/17-present<br>86/01/13 | 36 44.40 N | 116 16.37 W | 1140 | L-4C horizontal<br>Gain lowered to | 78<br>38 |
| MCA | Marble Canyon, Cal. | 79/01/23-present | 36 38.89 N | 117 16.85 W | 300 | L-4C | 84 |
| MCY | Mercury, Nev. | 80/03/07-present | 36 39.70 N | 115 57.73 W | 1285 | S-13 | 84 |
| MGM | Mogruder Mountain, Nev. | 79/07/13-present | 37 26.47 N | 117 29.79 W | 2100 | L-4C | 84 |
| MTI | Mount Irish, Nev. | 79/06/08-present | 37 40.60 N | 115 18.36 W | 1525 | L-4C | 84 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| MZP | Montezuma Peak, Nev. | 79/07/13-present | 37 42.04 N | 117 22.98 W | 2375 | L-4C | 84 |
| HOP | Hopah Range, Cal. | 78/07/24-present | 36 07.68 N | 116 09.16 W | 970 | L-4C to 80/04/25<br>S-13 80/04/25-pr | 84<br>84 |
| NPN | North Pahroc Rg, Nev. | 79/06/08-present | 37 39.16 N | 114 56 22 W | 1650 | L-4C | 84 |
| PGE | Panamint Range, Cal. | 78/11/28-present | 36 20.93 N | 117 03 95 W | 1850 | L-4C | 84 |
| PGEH | Panamint Range, Cal. | 84/10/11-present | 36 20.93 N | 117 03.95 W | 1850 | L-4C horizontal | 78 |
| PPK | Piper Mountain, Cal. | 79/07/13-present | 37 25.58 N | 117 54.43 W | 1830 | L-4C | 84 |
| PRN | Pahroc Range, Nev. | 72/01/21-present | 37 24.42 N | 115 02.99 W | 1470 | HGC-21 to 80/06/19<br>S-13 80/06/19-pr. | 84 |
| PRNH | Pahroc Range, Nev. | 84/08/28-present | 37 24.42 N | 115 02.99 W | 1470 | L-4C horizontal | 78 |
| QCS | Queen City Summit, Nev. | 79/06/08-present | 37 46.07 N | 115 54.98 W | 1890 | L-4C | 84 |
| QSM | Queen of Sheba Mine, Ca | 78/11/28-present | 35 57.93 N | 116 52.10 W | 670 | L-4C | 84 |
| SDM | Striped Hills, Nev. | 78/07/24-present | 36 38.73 N | 116 28.29 W | 1055 | L-4C | 84 |
| SGV | South Grapevine Mts, Ca | 78/11/28-81/06/15 | 36 58.87 N | 117 01.94 W | 1565 | L-4C<br>S-13 81/06/15-pr | 84<br>84 |
| SHRG | Sheep Range, Nev. | 79/05/22-present | 36 38.27 N | 115 09.31 W | 1645 | L-4C | 84 |
| SPRG | Spotted Range, Nev. | 79/05/28-present | 36 41.64 N | 115 48.56 W | 1235 | L-4C | 84 |
| SRG | Seaman Range, Nev. | 79/06/08-present | 37 52.93 N | 115 04.08 W | 1645 | L-4C | 84 |
| SSP | Shoshone Peak, Nev. | 73/10/10-present | 36 55.50 N | 116 13.11 W | 2065 | HGC-21 to 80/05/25<br>L-4C 80/05/27-pr. | 84 |
| SVP | Silver Peak Range, Nev. | 79/07/13-present | 37 42.98 N | 117 48.85 W | 2020 | L-4C | 84 |
| TCN | Thirsty Canyon, Nev. | 84/11/02-present | 37 08.80 N | 116 43.52 W | 1469 | L-4C | 84 |
| TMBR | Timber Mt., Nev. | 82/02/19-present | 37 02.05 N | 116 23.13 W | 1758 | L-4C | 84 |
| TMO | Tin Mountain, Cal. | 78/11/28-present | 36 48.32 N | 117 24.48 W | 2195 | L-4C | 84 |
| TPU | Tempiute Mountain, Nev. | 79/06/08-present | 37 36.30 N | 115 38.95 W | 1915 | L-4C | 84 |
| WCT | Wildcat Mountain, Nev. | 81/04/08-present | 36 47.53 N | 116 37.60 W | 1800 | L-4C | 84 |
| WRN | Worthington Mts., Nev. | 79/06/08-present | 37 58.90 N | 115 35.30 W | 1760 | L-4C | 84 |
| YMT1 | Yucca Mountain, Nev. | 81/03/05-present | 36 51.29 N | 116 31.80 W | 1176 | S-13 | 84 |
| YMT2 | Yucca Mountain, Nev. | 81/03/05-present | 36 47.12 N | 116 29.19 W | 1069 | S-13 | 84 |
| YMT3 | Yucca Mountain, Nev. | 81/03/05-present | 36 47.73 N | 116 24.79 W | 1050 | S-13 | 84 |
| YMT4 | Yucca Mountain, Nev. | 81/04/01-present | 36 50.83 N | 116 27.07 W | 1256 | S-13 | 84 |
| YM4N | Yucca Mountain, Nev. | 84/06/29-present<br>86/01/13 | 36 50.83 N | 116 27.07 W | 1256 | L-4C horizontal<br>Gain lowered to | 78<br>60 |
| YM4E | Yucca Mountain, Nev. | 84/06/29-present<br>86/01/13 | 36 50.83 N | 116 27.07 W | 1256 | L-4C horizontal<br>Gain lowered to | 78<br>60 |
| YMT5 | Yucca Mountain, Nev. | 81/04/01-present | 36 53.90 N | 116 27.23 W | 1374 | S-13 | 84 |
| YMT6 | Yucca Mountain, Nev. | 81/04/01-present | 36 51.51 N | 116 24.26 W | 1160 | S-13 | 84 |

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# APPENDIX C

Input parameters to HYPO71

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## Hypocenter Parameters Used for Earthquake Location Procedure

Routine earthquake location from phase data obtained from the southern Great Basin network is done using the computer program HYPO71 (Lee and Lahr, 1975). Their program has been modified to compute theoretical travel times of seismic rays to actual seismograph station locations, rather than to some mean reference ground level, as in the original computer program. This modification was necessary because SGB station elevations vary from 300 meters above sea level (station MCA) to 2620 meters above sea level (station SVP). Since most station elevations are greater than 1000 meters, we allow earthquake depth of focus to rise to -1.2 km, where negative depths (actually elevations) represent foci above sea level. Test variables 14 and 15 in HYPO71 have been assigned values to invoke the variable surface layer thickness option (see Table C2 below).

A second modification to the HYPO71 program computes local earthquake magnitudes according to the methods discussed in Rogers and others (1987) in the section "magnitude estimation details." Test variables 16 and 17 in HYPO71 are assigned values to determine $M_{ca}$, the coda amplitude magnitude developed by Carl Johnson (1979). Three event magnitudes, $M_L$, $M_d$, and $M_{ca}$ may be obtained for each digitally-recorded earthquake. The magnitude in the column with heading "Md" in appendix A, this report, is an average of duration magnitude, $M_d$ and coda amplitude magnitude, $M_{ca}$, if both estimates are available for a given earthquake. For develocorder-film-read earthquakes, only total coda duration is routinely read to estimate magnitudes. When a single magnitude is needed for an earthquake, for example, when plotting epicenters according to earthquake size, we average the three magnitudes by the formula

$$M = 0.5M_L + 0.25M_d + 0.25M_{ca}.$$

The P- and S-wave velocity model used to locate earthquakes is shown in table C1 below.

| Depth to top of layer (km) | P-wave velocity (km/sec) | S-wave velocity (km/sec) |
|---|---|---|
| Station Elevation | 3.8 | 2.22 |
| 1.0 | 5.9 | 3.45 |
| 3.0 | 6.15 | 3.60 |
| 24.0 | 6.9 | 4.04 |
| 32.0 (halfspace) | 7.8 | 4.56 |

Table C1. Southern Great Basin P and S velocity model. Sea level = 0.0 km.

The values of test variables employed in HYPO71 are given in table C2 below.

| | | |
|---|---|---|
| TEST( 1) = 0.1 sec | TEST( 2) = 30.0 km | TEST( 3) = 0.5 |
| TEST( 4) = 0.05 km | TEST( 5) = 5.0 km | TEST( 6) = 1.0 |
| TEST( 7) = -1.276 | TEST( 8) = 1.666 | TEST( 9) = 0.00227 |
| TEST(10) = 100.0 km | TEST(11) = 8. | TEST(12) = 0.5 |
| TEST(13) = 1.0 km | TEST(14) = -1.2 km | TEST(15) = 999 |
| TEST(16) = 0.852 | TEST(17) = -1.766 | |

Table C2. HYPO71 test variables as discussed in Lee and Lahr (1975).

Pertinent control card options are ZTR = 5.0 km, XNEAR = 10.0 km, XFAR = 220 km, and POS = 1.71.

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# Appendix D

Horizontal component seismometer electronics and calibrations

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## Horizontal component seismometer electronics and calibrations

In 1984 one north-south component seismometer was installed at stations GMN, PGE, JON, GMR, and PRN. North-south and east-west component seismometers were also installed at YMT4 and LSM. The names of these stations are GMNH, PGEH, JONH, GMRH, PRNH, YM4N, YM4E, LSMN, and LSME, respectively. Station and telemetry electronics for these instruments are similar to the vertical component electronics discussed in Rogers and others (1987, appendix A). A notable difference is that almost all horizontal instruments are Mark L4C seismometers, and their output is input into Teledyne-Geotech 4250 amplifier/VCOs. The three component station at Little Skull Mountain (LSM) has S13 seismometers. A comparison of the amplification of the L4C horizontal seismometer system with Teledyne Geotech amplifier/VCO and discriminator and the L4C vertical seismometer with Tricom amplifier/VCO and discriminator is shown in figure D1.

Since the vertical component seismometers are higher gain than the horizontal components, we rely on the horizontal stations for magnitude estimates when the rest of the network is overdriven. Also, $M_L$ calculations normally proceed from scaled *horizontal* ground motion; thus the vertical instrument amplitudes must be converted to equivalent horizontal motion using a fixed amplification factor (we use $h = 1.75v$; see Rogers and others, 1987). The horizontal instrument peak amplitude data are therefore useful to verify this factor. Perhaps the following detailed information on horizontal station calibrations is therefore warranted. Field calibrations are performed at the stations every six months or as needed. A field calibration entails applying a known current into a seismometer calibration coil at fixed frequencies, and setting the amplifier/VCO gain so that none of the signals are overdriven (output peak voltage $\leq$ 5 volts). The signal is monitored on the PDP 11/34 computer at Golden, Colorado, where the digital output ("counts") is reduced to equivalent ground motion. This computed ground motion is compared with the expected ground motion

$$y = \frac{i_e G_c}{M\omega^2},$$

where $y$ =peak-to-peak ground displacement (m), $i_e$ = peak-to-peak current input to calibration coil (amps), $G_c$ = calibration coil constant (newtons/amp), $M$ = transducer mass (kg), and $\omega$ = angular frequency of oscillator (radians/sec). If a divergence of > 20% between computed and expected ground motion occurs in the 2 to 10 hz range, the electronics technicians are notified so that further action may be taken. Although 20% may be considered a large error for magnitude calculations, such an error represents a $M_L$ variation of $\approx$ 0.10 units, a small difference. Furthermore, the calculation of expected ground motion involves the factor $G_c$, which may vary by 20% to 30% from the nominal value (0.439) used when no other information is available for a particular L4C seismometer. Table D1 shows percent variation in computed ground motion at various stations using manufacturer's reported values for $M$ and $G_c$ where available, or nominal values

for $M = 0.98$ and $G_c = 0.439$ otherwise. The filters used to reduce digital counts to ground motion are discussed in Rogers and others (1987, Appendix A). The 10 hz calibrationz may be a trifle low due to a calibration coil-main coil interaction (inductance), rather than to errors in computed amplification of ground motion. (This interaction is even more pronounced at 20 hz, to the extent that the digital response at that frequency appears 50% lower than expected.)

| | Frequency (hz) | | | | |
|---|---|---|---|---|---|
| | 0.1 | 1.0 | 2.0 | 5.0 | 10.0 |
| STATION | % Variation | | | | |
| YM4E | -4.0 | -4.7 | -3.9 | -9.6 | -19.4 |
| YM4N | 5.8 | -10.7 | -10.4 | -13.2 | -22.9 |
| JONH | 6.4 | -1.5 | 0.8 | 2.5 | -4.9 |
| GMNH | 13.0 | 11.8 | 16.1 | 14.5 | 7.1 |
| PGEH | -12.0 | -7.9 | -4.4 | -5.6 | -15.5 |
| PRNH | 9.1 | 3.0 | 7.7 | 6.6 | -4.7 |

Table D1. Percent difference between computed and expected ground motion (Difference(%)= $100 \times \frac{\text{Computed}-\text{Expected}}{\text{Expected}}$). These calibrations were performed in late 1986 and early 1987. There is no observed ground motion during a field calibration, so the tests are indirect.

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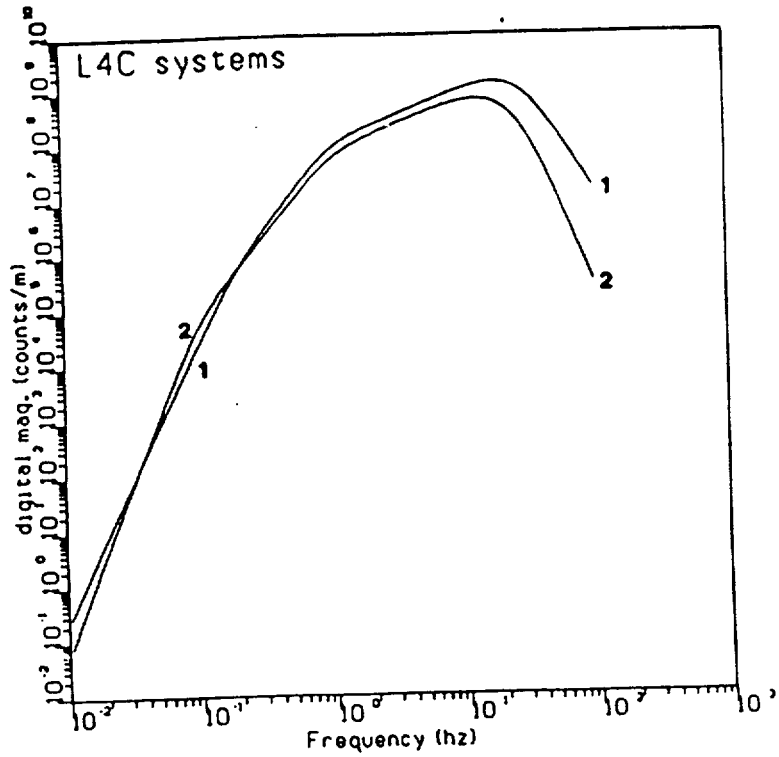


Figure D1. – System amplification of a L4C horizontal seismometer input into a Teledyne-Geotech 4250 amplifier (curve 1) compared to that of a L4C vertical seismometer input into a Tricom 649 amplifier (curve 2), expressed as digital amplification of ground motion (digital counts per meter ground displacement). The seismometer of curve 1 has natural frequency $f_n = 1.0$ hz, $h = 0.64$ damping, and effective generator constant $G_{le} = 176.7$ volt sec/meter, and that of curve 2 has $f_n = 1.0$ hz, $h = 0.71$, and $G_{le} = 126.5$. These are measured values for particular L4C seismometers. The $G_{le}$s differ because we use different shunt resistors for the two systems. Both amplifiers have 48 dB nominal gain.

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# SOUTHERN GREAT BASIN SEISMOLOGICAL DATA REPORT FOR 1980 AND PRELIMINARY DATA ANALYSIS

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OPEN-FILE REPORT 81-1086

1981

PREPARED BY THE U.S. GEOLOGICAL SURVEY
FOR THE
NEVADA OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INTERAGENCY AGREEMENT DE-A108-78ET44802

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UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

# Southern Great Basin Seismological Data Report for 1980 and Preliminary Data Analysis

By

A. M. Rogers, S. C. Harmsen, and W. J. Carr

Open-File Report 81--1086

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## ABSTRACT

Earthquake data for the calendar year 1980 are presented for earthquakes occurring within and adjacent to the southern Nevada seismograph network. Locations, magnitudes, and selected focal mechanisms for these events and events from prior years of network operation are presented and discussed in relation to the geologic framework of the region. The principal results are that (1) earthquakes concentrate in fault zones having a northeast orientation, (2) fault zones having a northwest orientation are quiescent or nearly so, and (3) no earthquakes have been detected closer than 12 km to the Yucca Mountain nuclear waste repository study area.


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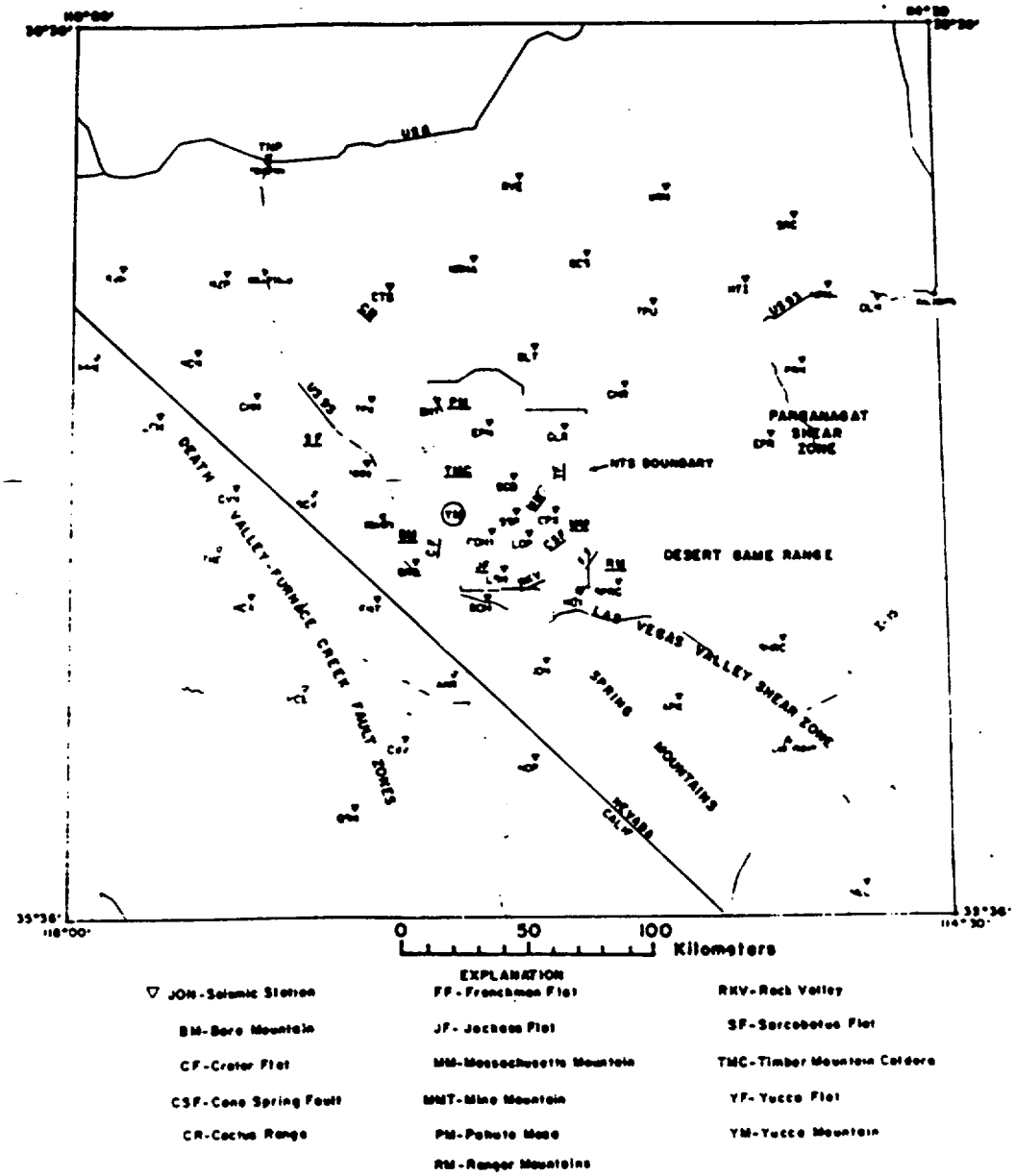


Figure 1.--Locations of seismograph stations in the Southern Great Basin are indicated by triangles. The locations of the proposed nuclear waste storage facility is indicted by the letters YM (Yucca Mountain). The generalized locations of other geographic features are also shown: BM-Bare Mountain; CF-Crater Flat; FF-Frenchman Flat; JF-Jackass Flat; MM-Mine Mountain; RM-Ranger Mountain; SKM-Skull Mountain; TMC-Timber Mountain Cauldera; YF-Yucca Flat.



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data were used in this report from stations operated by Sandia Laboratories and the University of Nevada. The Sandia stations at Nelson, Nevada, and Leeds, Utah (NEL and LEE), were operated by personnel at the NTS. The University of Nevada station at Tonopah, Nevada (TNP), is operated by personnel from the University of Nevada Seismological Laboratory at Reno, Nevada.

Financial support of the Southern Great Basin seismicity study is provided by the U.S. Department of Energy's Nevada nuclear waste isolation program.

We acknowledge the assistance of Jean DeWoody, whose drafting work and film reading were essential to the completion of the report.

## INSTRUMENTATION

The network is composed of short-period vertical component seismometers (Mark Products L-4C and Geotech S-13) having a 1 Hz natural frequency. Seismometer outputs are amplified and frequency modulated by a Tricom model 642 amp-VCO having a dynamic range of ±2 db and relayed by a Rapco 810-038 transmitter to a central data collection point from which the data are sent by telephone data channel to Golden, Colorado. Power at each station is supplied by a solar panel (Spectrolab LEC 12V-1.5A) with battery backup. Demodulation of the FM signals is accomplished by Tricom model 643 discriminators whose output serves as input to Develocorder film recorders. A common time base (WWVB) is also recorded on each film. Three film recorders are required to accommodate the data from the network. The magnification of this system is shown on figure 3, where the curves correspond to the type of seismometer employed. At about 15 Hz the response peak is produced by the roll-off in response of the Develocorder galvanometers. From 15 Hz to 30 Hz the response decreases at 6 db/octave, and above 30 Hz the response decreases at 18 db/octave. These response curves are drawn for a nominal amplifier gain setting of 48 db. The actual operating gains and seismometer types at each station are given in appendix A. The gains are normally 84 to 108 db depending on the background noise at each site.

Two sets of 3-component seismometers are also operated at the surface and subsurface of drill hole UE25a-3 (Stations CDH-1, CDH-5). The downhole seismometer is at 1055 m elevation and the surface instrument is at 1387 m. These seismometers are Mark Product L-1-3DS with a 4.5 Hz natural frequency. Data from one horizontal and one vertical seismometer are recorded continuously with the network data. The six uphole and downhole components have been intermittently recorded on magnetic tape as part of an experiment to study the differences between surface and subsurface ground motion.

Station calibrations are conducted irregularly at present, but average every 3 months. The calibration procedure is conducted in two steps. First, the electronics are checked separately by connecting an oscillator of known voltage across the amplifier input and comparing this voltage with the output of the discriminator in Golden. The input and output voltage should be equal, and adjustments are performed as necessary to maintain proper voltage levels. In the second step, a pulse of known voltage and sign is applied across the seismometer calibration coils. This procedure permits a check of station polarity and, in principle, permits an absolute system calibration; at



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present, however, only station polarities and relative changes in station magnification are checked. Records of station visits and services performed are kept in Golden and Las Vegas.

## MAGNITUDE DETERMINATION

Table 1 shows a comparison of magnitudes determined from the coda duration using the equation of Lee and others (1972) (see appendix B, this report) with Richter magnitudes reported by the University of California at Berkeley, California Institute of Technology at Pasadena and the U.S. Geological Survey. This comparison was possible for earthquakes in the magnitude 3 to 4 range and shows that duration magnitude is adequate for events of this size. In the future this comparison will be conducted at lower magnitude ranges by computing Richter magnitude from the network earthquake amplitudes.

## EARTHQUAKE DATA AND ANALYSIS

Earthquakes in this study were located using the HYPO71 computer program (Lee and Lahr, 1975) with program parameters and crustal model as given in appendix B. Both P- and S-wave phase readings were employed when an improved epicentral solution resulted. The P/S velocity ratio of 1.75 used is supported by other data from this region. During the monitoring period, 762 earthquakes were located, and of these, 356 occurred during 1980 (appendix C). The magnitudes of the events range from 0 to 4.0, and the depths of well-located earthquakes range from surface focus to 15-20 km (fig. 4). More than half of the earthquakes have standard errors in the horizontal location of less than 1.0 km (fig. 5), and the same proportion have a standard error in the depth of less than 2.5 km (fig. 6). The overall quality (Q) of the earthquake locations, as defined in appendix D, is as follows:

| Q | Number | Percent |
|---|---|---|
| A | 5 | 1.4 |
| B | 89 | 25.0 |
| C | 212 | 59.6 |
| D | 50 | 14.0 |
| TOTAL | 356 | 100.0 |

Improvement in the accuracy of locations is expected as the quality of data becomes sufficient to perform simultaneous velocity inversion or station corrections and earthquake locations.

Recent seismicity located by this network in the Southern Great Basin is depicted on figures 7-10. Several important features of the recent seismicity are apparent (figs. 7, 8). First, certain areas of the NTS are the principal sources of earthquake activity within the network. These areas include Pahute Mesa, Yucca Flat, the Frenchman Flat area between Massachusetts Mountain and Ranger Mountain, Jackass Flats, and the Rock Valley area (fig. 1). Second, outside of the NTS area seismicity is presently more diffuse, with the exception of a swarm of several hundred earthquakes that occurred from July to December 1979 near the Pahranagat shear zone about 80 km east of NTS (fig. 9) Third, there are zones of relative quiescence in various parts of the NTS region; included in these relatively quiet areas are Yucca Mountain, Timber Mountain Caldera, parts of the Furnace Creek and Death Valley fault zones, the



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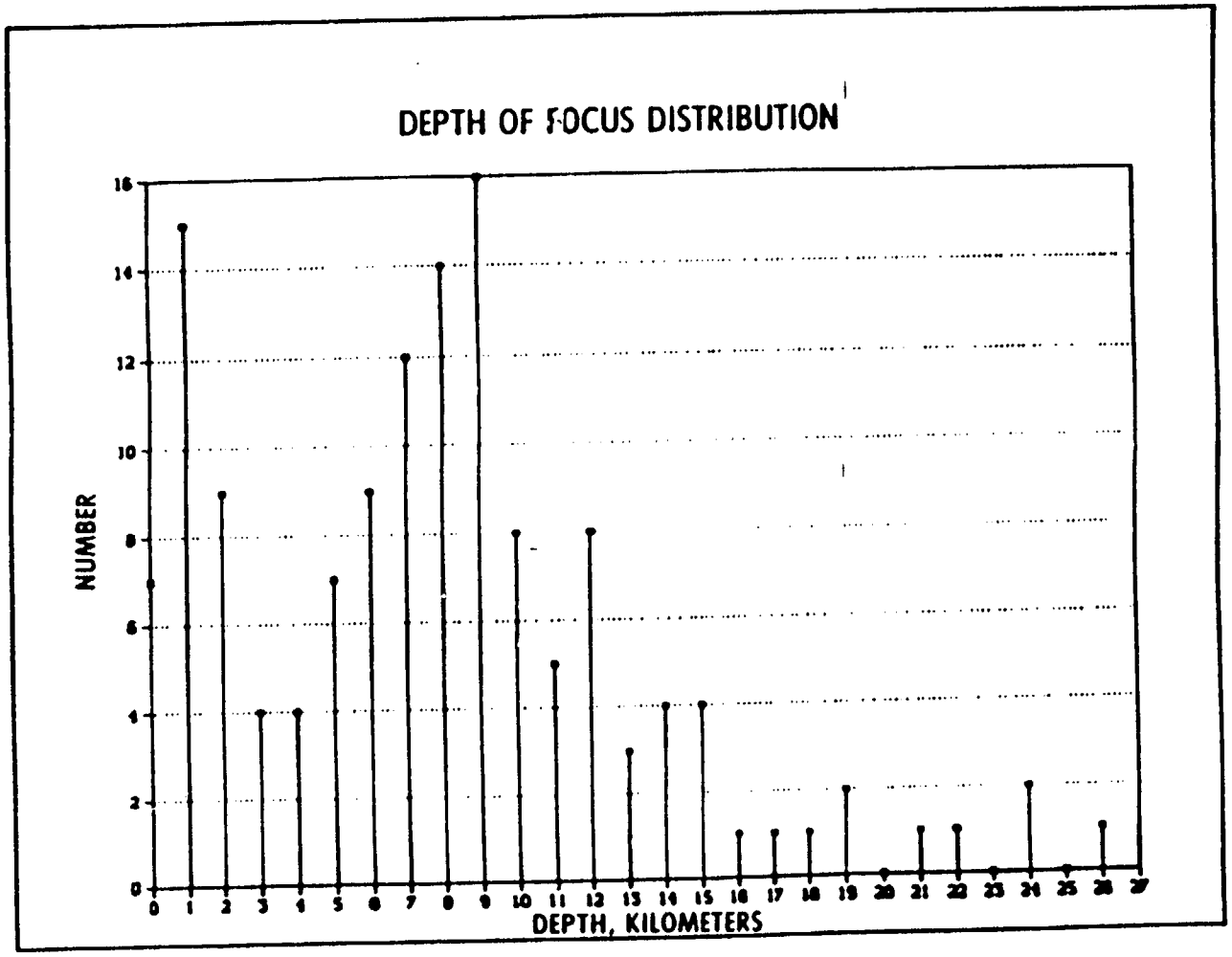


Figure 4.--Depth-of-focus histogram for earthquakes with A and B quality locations (1980).

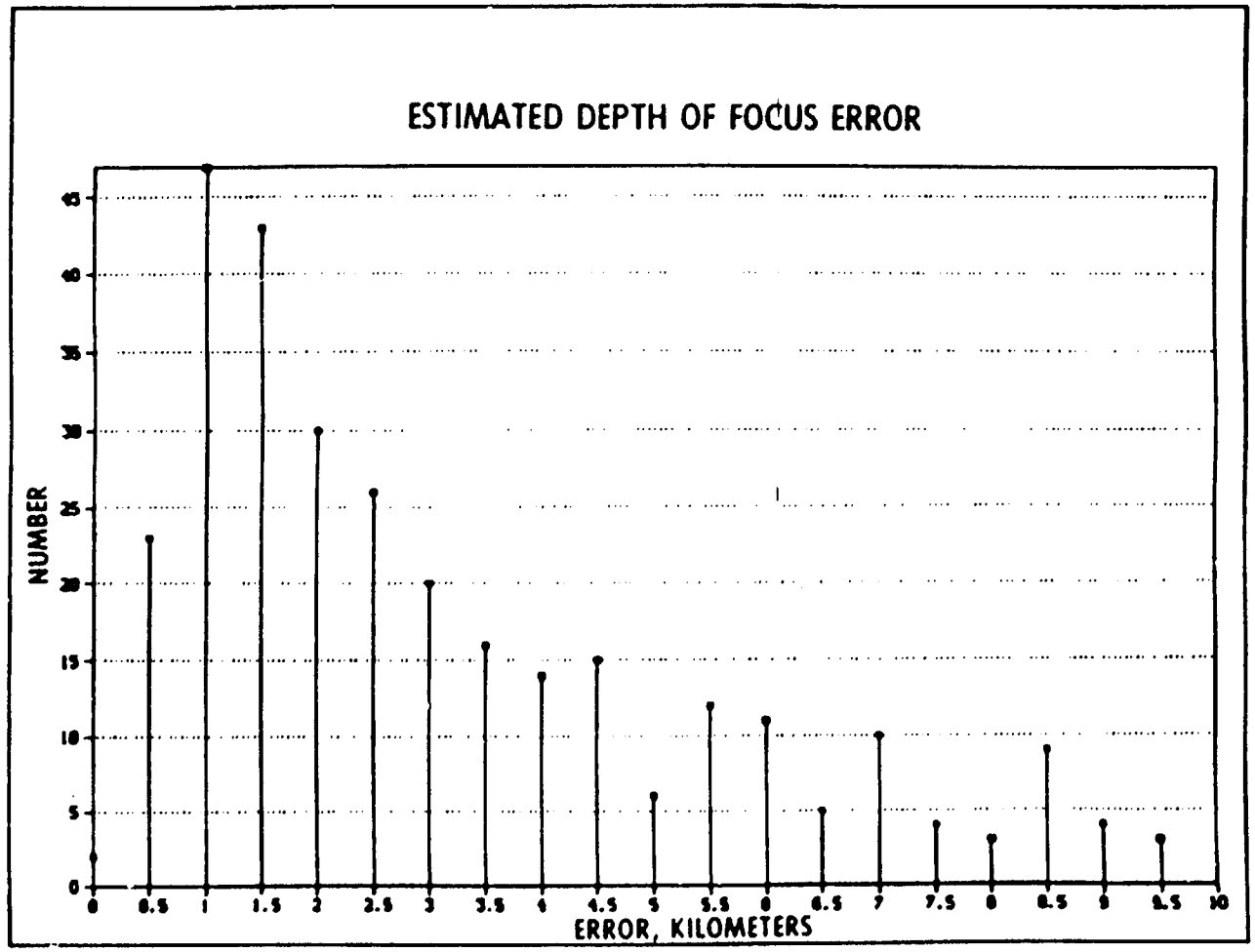


Figure 6.--Depth-error historgram for earthquakes with A, B, and C quality locations that do not have restrained depths (1980).

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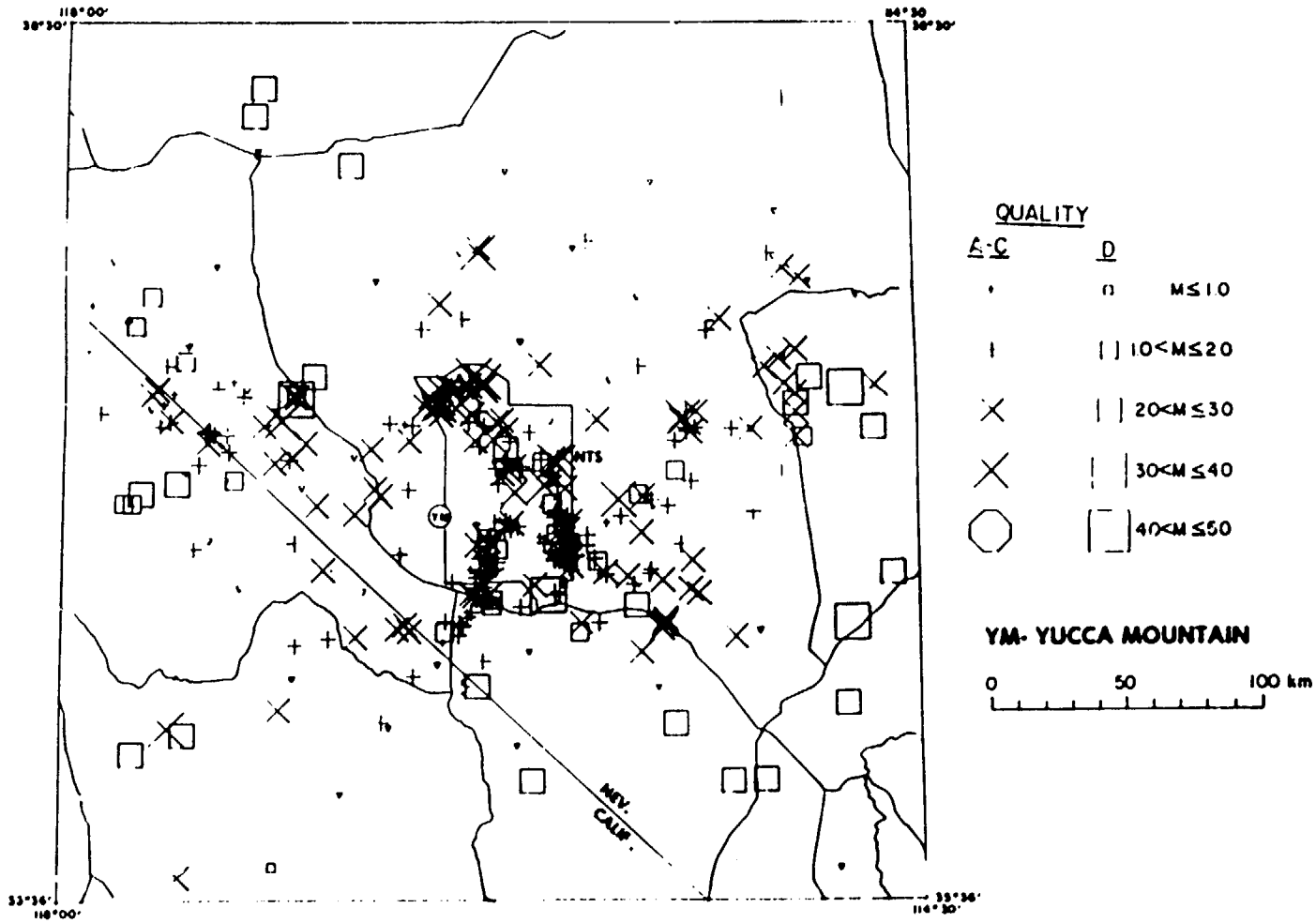


Figure 8.--SGB epicenters from January 1, 1980 through December 31, 1980 plotted with epicenter quality and magnitude as parameters. The location of the proposed nuclear waste storage facility is indicated by the letters YM (Yucca Mountain).

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Spring Mountains, the Las Vegas Valley zone, most of the Desert Game Range, and the Cactus Range area southeast of Tonopah. A large area of roughly 6000 $km^2$ that is bounded by stations RVE, BLT, GMR, MTI, SRG, and WRN is relatively quiescent it contained about 6-7 earthquakes during the monitoring period. A large area between Goldfield and Tonopah appears to be aseismic, although station density there is low. Fourth, the existence of the postulated east-west seismic belt appears to be supported by the network data, although its boundaries are poorly defined, especially to the west.

The earthquake swarm (fig. 9) that occurred in the area of the Pahranagat shear zone in 1979 is a good example of bursts of seismic activity of a type noted elsewhere in the Southern Great Basin. The main shock, magnitude about 3.9, occurred on Aug. 12; it was followed by five other events ranging from 3.2 to 3.7 magnitude during the next 48 hours. The main shock was preceded by about one-half hour by a magnitude 2.9 event and by four other smaller events during the previous month. During the 48 hours when the five large shocks occurred, smaller events occurred at the rate of about one every one-half to 2 hours. The rate then decreased somewhat until about Aug. 20, after which activity was more sporadic during the rest of the year. Relatively little activity was noted in the Pahranagat area during 1980. As shown on figure 9, the larger events were essentially confined to a structural block between two strands of the northeast-trending Pahranagat shear-zone system. The smaller events, though tending to cluster near and northeast of the larger events, were more widely diffused within the faulted volcanic terrain. No surface faulting of Holocene age, and probably none of middle Quaternary age, is present in the Pahranagat area (Ekren and others, 1977). However, the linear aspect of the topography at many places in the area suggests that fault movement affecting surface rocks could have occurred during early Quaternary time, or that relatively continuous small structural disturbances have resulted in preserving the lineaments through very small incremental movements. The activity in the Pahranagat area is reminiscent, though more swarm-like, of earthquakes that have occurred near the Yucca-Frenchman shear zone (fig. 9) at NTS. Some of this activity has been described by Carr (1974) and Fischer and others (1972). At NTS this activity seems to be concentrated where northeast-striking shear zones intersect the northwest-trending Yucca-Frenchman shear and flexure zone; activity is much lower on the northeast side of that zone where fault trends are oriented north-northwesterly instead of northeast. In Rock Valley, in southern NTS, detailed study of a strand of the northeast-trending Rock Valley fault zone has shown (Szabo and others, 1981, p. 19, 21, fig. 9) the likelihood that relatively small earthquakes may have caused surface movements of a few inches to a foot or so at a time, and that the small scarps formed may have been obliterated in a few thousand years. The same process may be occurring in the Pahranagat shear zone and on other northeast-trending fault zones in the Southern Great Basin.

Other examples of swarm-type activity have been noted in the region in the past, but the history of the activity is not as well documented as is the case with the new seismic net. Some examples of precurrent network swarms include activity on a portion of the Rock Valley fault system near U.S. Highway 95 in June 1975 (Rogers and others, 1977, p. 61), and in the Pahroc area about 30 miles west of Caliente (Bayer, 1972, fig. 5). Seismic activity in the Pahroc area has diminished greatly; that in southern Rock Valley continues, but at a lower rate.

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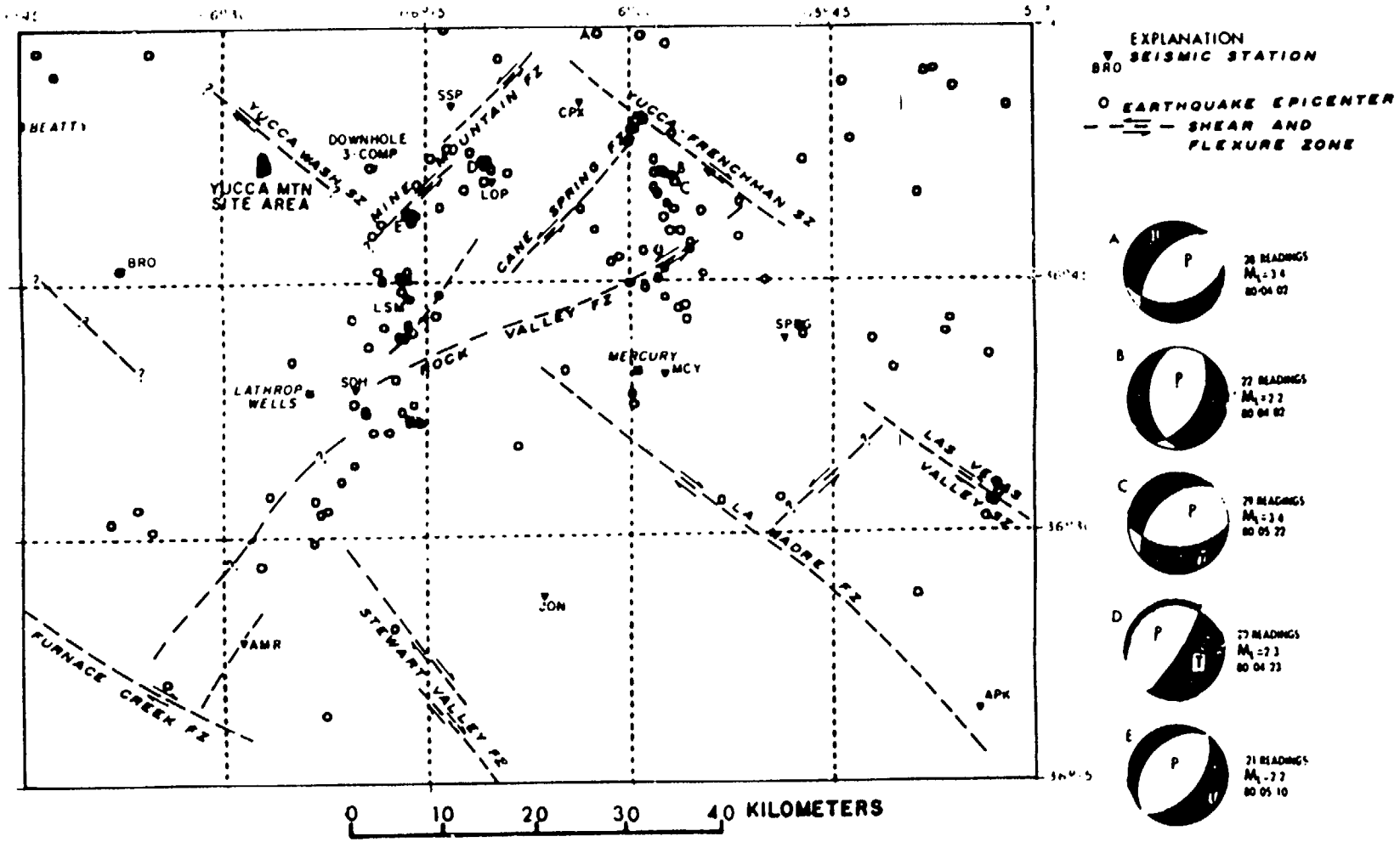


Figure 10.--A, B, and C quality epicenters near the Yucca Mountain site area.



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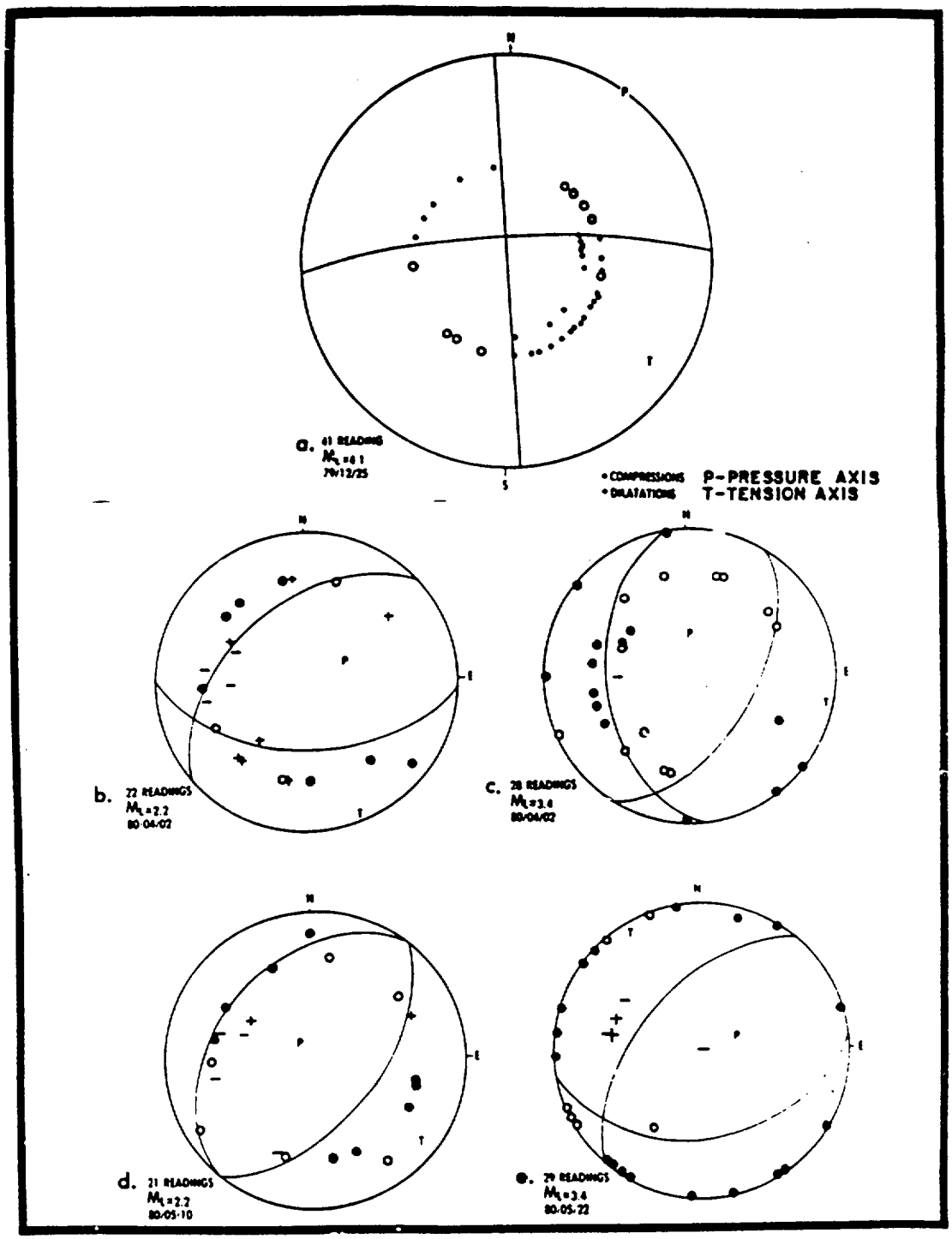


Figure 12.--First motion directions and inferred local mechanisms for selected earthquakes.

have suggested that magnitude may be limited upward on northeast-trending faults in a portion of the Nevada-California seismic zone (fig. 2).

The seismic hazard at Yucca Mountain is ambiguous because, although no earthquakes have been detected there, faults do exist on and adjacent to Yucca Mountain that have north-south orientation and, therefore, should have potential for slip. Several questions remain to be answered. Are the Yucca Mountain faults unstressed because of previous prehistoric slip or the existence of a shear stress shadow zone due to slip on nearby faults? Are the Yucca Mountain faults less active because of some undetected differences in basement rock or mechanical properties relative to surrounding faults? Do buried intrusive rocks associated with several caldera and volcanic centers around Yucca Mountain somehow act as a buttress or lower the stress acting on Yucca Mountain faults? Continued analysis of data collected by the seismic network, studies of earthquake source parameters, seismic recurrence studies, studies of fault stress patterns, and other related geologic and geophysical studies will provide a better basis for answering these questions.

## SUMMARY

1) Three hundred and fifty-six earthquakes have been located during the 1980 calendar year. None of these events occurred closer than 12 km to Yucca Mountain, which is being explored for a nuclear waste repository.
2) The magnicudes of earthquakes within the network recorded to date varies between 0 and 4.0. A significant number of events below the magnitude 1.5-2.0 level, however, could not be located.
3) The earthquakes are occurring on faults of northeast to north orientation.
4) Several major fault zones with a northwest orientation are quiescent or nearly so: Death Valley-Furnace Creek fault zone, Las Vegas Valley shear zone, and faults in the Spring Mountains. Large portions of the Desert Game Range and Southern Timber Mountain caldera and an area northwest of the NTS are also relatively quiescent.

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# Appendix A: Station Codes, Location, Instrumentation, and Polarity Reversals

STATION CODE

| CODE | STATION | PERIOD OF OPERATION (DAY/MONTH/YEAR) | LATITUDE (DEG MINUTES) | LONGITUDE (DEG MINUTES) | ELEVATION (METERS) | SEISMOMETER MODEL | GAIN (DB) |
|---|---|---|---|---|---|---|---|
| ARG | Anargosa Cal. | 26/07/79-present | 36 23.86 N | 116 28.45 W | 720 | L-4C | 84 |
| APE | Angels Peak Nev. | 15/06/75-present | 36 19.17 N | 115 34.46 W | 2688 | S-13 to 21/3/81<br>L-4C 21/3/81-pr. | 84 |
| BBG | Big Bullfrog Nev. | 23/01/79-present | 37 02.27 N | 116 13.66 W | 1720 | L-4C | 84 |
| BLT | Bellfire Ranges Nev. | 30/05/79-present | 37 27.68 N | 116 08.09 W | 1320 | L-4C | 84 |
| BMT | Black Mountains Nev. | 26/02/80-present | 37 17.02 N | 116 32.02 W | 1920 | L-4C | 84 |
| BOO | Bare Mountains Nev. | 28/11/78-present | 36 45.76 N | 116 37.32 W | 920 | L-4C | 84 |
| CDH1 | Colson Hills Nev. | 01/02/80-present | 36 59.62 N | 116 19.05 W | 1387 | L-4-30S (vert.) | 90 |
| CDH5 | Colson Hills Nev. | 01/02/80-present | 36 59.62 N | 116 19.05 W | 1055 | L-4-30S (horiz.) | 108 |
| CP4 | CP-4.Nev. | --/--/77-01/03/80* | 36 55.73 N | 116 03.38 W | 1285 | MEC-21 to 5/8/80<br>L-4C 5/8/80-pr. | 84 |
| CTS | Cactus Peak Nev. | 26/04/79-present | 37 38.48 N | 116 43.54 W | 1890 | L-4C | 84 |
| DLM | Delamar Mountains Nev. | 08/06/78-present* | 37 36.35 N | 114 44.33 W | 1730 | L-4C | 84 |
| EPN | Eleo Peak Nev. | 02/09/75-present | 37 12.85 N | 116 19.42 W | 2285 | S-13 to 25/4/80<br>L-4C 25/4/80-pr. | 84 |
| EPR | East Pahranagat Rge Nev | 23/01/79-present* | 37 18.12 N | 115 11.19 W | 1300 | L-4C | 84 |
| FMT | Funeral Mountains Cal. | 28/11/78-present | 36 38.38 N | 116 46.73 W | 1025 | L-4C | 84 |
| GLP | Green Lake Peak Nev. | 20/11/75-present* | 37 11.96 N | 114 01.06 W | 1635 | L-4C | 84 |
| GMN | Gold Mountains Nev. | 13/07/79-present* | 37 18.01 N | 117 15.18 W | 2155 | L-4C | 84 |
| GNR | Groom Ranges Nev. | 23/01/79-present | 37 20.03 N | 115 46.27 W | 1580 | L-4C | 84 |
| GOH | Grubstake Cal. | 28/11/78-present | 37 00.09 N | 117 20.35 W | 1190 | L-4C | 84 |
| GOV | Greenwater Valley Cal. | 26/07/78-present | 36 11.28 N | 116 40.24 W | 1560 | L-4C | 84 |
| JOH | Johnson Nev. | 26/07/78-present* | 36 26.39 N | 116 06.18 W | 920 | L-4C | 84 |
| KRN | Kawich Ranges Nev. | 30/05/79-23/06/80 | 37 42.37 N | 116 20.07 W | 2570 | L-4C | 84 |
| KRN2 | Kawich Ranges Nev. | 23/06/80-present | 37 45.00 N | 116 22.83 W | 1980 | L-4C | 84 |
| LCR | Lost Chance Ranges Cal. | 13/07/79-present* | 37 14.08 N | 117 38.84 W | 1455 | L-4C | 84 |
| LEF | Leeds Utah | 01/01/71-31/06/80 | 37 14.58 N | 113 22.60 W | 1067 | Benioff | |
| LOP | Lookout Peak Nev. | 23/01/79-present | 36 51.25 N | 116 10.05 W | 1695 | L-4C | 84 |
| LSP | Little Skull Mtn Nev. | 13/12/79-present | 36 44.34 N | 116 16.31 W | 1160 | S-13 | 84 |
| LSM | Little Skull Mtn Nev. | 19/02/79-13/12/79 | 36 45.21 N | 116 15.57 W | 1070 | L-4C | 84 |
| MCA | Marble Canyon Cal. | 23/01/79-present | 36 38.89 N | 117 14.85 W | 300 | L-4C | 84 |
| MCE | Mercury Nev. | 15/06/77-27/03/80 | 36 39.37 N | 115 59.45 W | 1160 | S-13 | 84 |
| MCF | Mercury Nev. | 07/03/80-present | 36 39.70 N | 115 57.73 W | 1285 | S-13 | 84 |
| MCM | Mercury Mountains Nev. | 13/07/79-present* | 37 26.47 N | 117 29.79 W | 2100 | L-4C | 84 |

* This station location has been found to be incorrect. Correction will be made in the data report for 1981.



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•POLARITY REVERSALS

| CODE | STATION | PERIOD OF REVERSE POLARITY (DAY/MONTH/YEAR) |
|---|---|---|
| CPX | CP-1, Nev. | 5/8/80 to 13/12/80 |
| DLM | Delamar Mts., Nev. | 28/6/79 to 29/8/79 |
| EPN | Echo Peak, Nev. | 1/11/78 to 01/05/80 |
| EPR | East Pahranagat Range, Nev | 10/12/79 to 20/2/80 |
| GLR | Groom Lake Road, Nev. | 1/11/78 to 22/2/79 |
| GMN | Gold Mountain, Nev. | 28/6/79 to 29/8/79; also 5/8/80 to 17/12/80 |
| JON | Jonnies, Nev. | 1/11/78 to 22/2/79 |
| LCH | Last Chance Range, Nev. | 28/6/79 to 29/8/79 |
| MGM | Magruder Mountain, Nev. | 28/6/79 to 29/8/79 |
| MTI | Mount Irish, Nev. | 28/6/79 to 29/8/79 |
| MZP | Montezuma Peak, Nev. | 28/6/79 to 29/8/79 |
| NPN | North Pahroc Range, Nev. | 28/6/79 to 29/8/79 |
| PPK | Piper Mountain, Cal. | 28/6/79 to 29/8/79 |
| PRN | Pahroc Range, Nev. | 10/12/79 to 20/2/80 |
| QCS | Queen City Summit, Nev. | 28/6/79 to 29/8/79 |
| QSM | Queen of Sheba Mine, Nev. | 28/6/79 to 29/8/79 |
| RVE | Reveille Range, Nev. | 28/6/79 to 29/8/79 |
| SRG | Seaman Range, Nev. | 28/6/79 to 29/8/79 |
| SSP | Shoshone Peak, Nev. | 28/6/79 to 01/06/80 |
| SVP | Silver Peak Range, Nev. | 28/6/79 to 29/8/79 |
| TPK | Tolicha Peak, Nev. | 11/06/79 to 29/8/79 |
| TPU | Tempiute Mountain, Nev. | 28/6/79 to 29/8/79 |
| WAN | Worthington Mts., Nev. | 28/6/79 to 29/8/79 |

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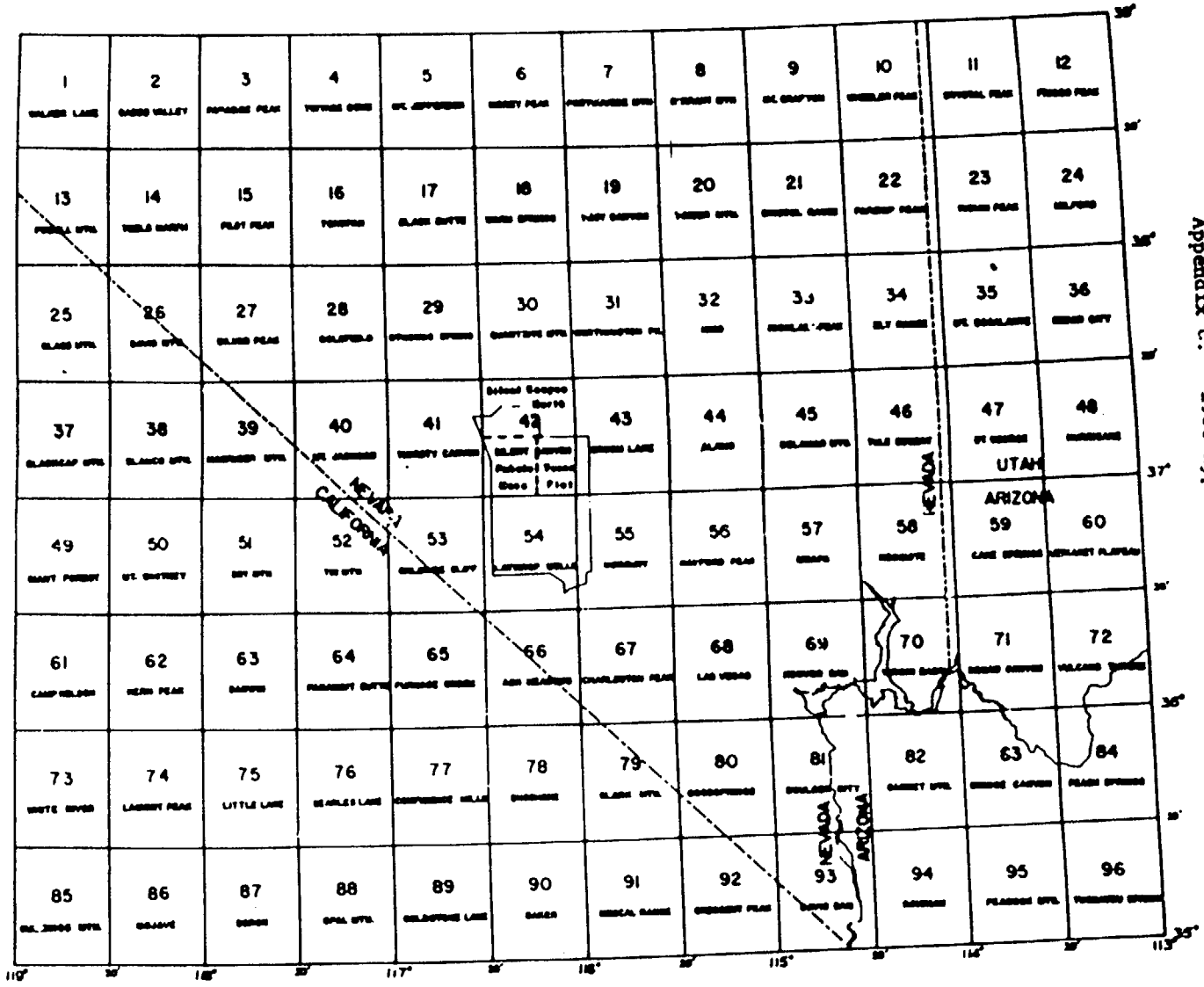


Figure C1.Geographic regions used to identify earthquake locations, appendix C.



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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | 3 7 10.79 | 36.72 N | 116.24 W | 5.1 F | 1.6 | LATHROP WELLS |
| 26 | 3 27 52.12 | 36.49 N | 116.39 W | 23.7 F | 1.5 | ASH MEADOWS |
| 28 | 17 22 21.39 | 37.22 N | 117.85 W | 13.6 F | 1.6 | MAGRUDER MOUNTAIN |
| 28 | 18 4 1.63 | 36.73 N | 116.27 W | 2.1 F | 1.9 | LATHROP WELLS |
| 30 | 0 33 5.53 | 37.16 N | 117.43 W | 7.7 F | 1.3 | MT. JACKSON |
| 30 | 9 2 29.46 | 36.79 N | 115.86 W | 7.7 F | 1.3 | MERCURY |
| 30 | 11 31 7.47 | 36.49 N | 115.26 W | 12.3 F | 2.4 | LAS VEGAS |
| 30 | 14 26 32.66 | 36.42 N | 116.28 W | 7.6 F | 1.4 | LATHROP WELLS |
| 31 | 14 20 48.27 | 37.28 N | 117.64 W | 1.0 F | 2.4 | MAGRUDER MOUNTAIN |
| FEB 01 | 15 47 49.59 | 37.57 N | 117.89 W | 1.6 F | 1.0 | SILVER PEAK |
| 02 | 4 49 35.59 | 37.16 N | 117.43 W | 13.1 F | 1.8 | MT. JACKSON |
| 02 | 7 37 9.77 | 36.82 N | 116.23 W | 9.4 F | 1.0 | LATHROP WELLS |
| 04 | 5 56 34.14 | 36.59 N | 116.26 W | 6.7 F | 1.3 | LATHROP WELLS |
| 04 | 14 5 54.79 | 37.17 N | 115.46 W | 9.3 F | 1.9 | ALAMO |
| 04 | 16 21 18.68 | 36.63 N | 116.33 W | 2.3 F | 2.2 | LATHROP WELLS |
| 05 | 4 36 15.08 | 37.07 N | 116.20 W | 7.9 F | 1.2 | SILENT CANYON - YUCCA FLAT |
| 06 | 5 56 15.97 | 37.18 N | 116.58 W | 10.0 F | 1.2 | THIRSTY CANYON |
| 06 | 6 49 16.34 | 37.19 N | 116.61 W | 20.7 F | 0.8 | THIRSTY CANYON |
| 06 | 9 0 55.46 | 36.66 N | 116.29 W | 0.6 F | 1.8 | LATHROP WELLS |
| 06 | 11 49 14.86 | 36.62 N | 116.32 W | 1.3 F | 1.2 | LATHROP WELLS |
| 17 | 2 42 24.53 | 37.14 N | 116.10 W | 11.1 F | 1.1 | SILENT CANYON - YUCCA FLAT |
| 19 | 23 42 50.66 | 37.39 N | 117.51 W | 23.9 F | 1.3 | MAGRUDER MOUNTAIN |
| 20 | 1 41 32.91 | 37.74 N | 115.10 W | 21.0 F | 1.3 | MIKO |
| 20 | 2 52 52.34 | 37.28 N | 117.27 W | 8.8 F | 1.1 | MT. JACKSON |
| 21 | 4 44 18.52 | 36.92 N | 117.75 W | 17.7 F | 2.0 | DRY MOUNTAIN |
| 21 | 4 52 0.85 | 36.92 N | 117.72 W | 1.6 F | 1.6 | DRY MOUNTAIN |
| 22 | 3 37 52.71 | 37.38 N | 115.65 W | 10.5 F | 1.9 | GROOM LAKE |
| 24 | 5 56 24.61 | 36.47 N | 116.45 W | 9.0 F | 0.7 | ASH MEADOWS |
| 24 | 16 23 56.93 | 37.02 N | 117.50 W | 16.4 F | 0.9 | MAGRUDER MOUNTAIN |
| 24 | 20 36 57.56 | 37.25 N | 117.60 W | 7.4 F | 0.8 | MAGRUDER MOUNTAIN |
| 26 | 4 5 27.29 | 37.18 N | 117.17 W | 10.7 F | 0.7 | MT. JACKSON |
| 28 | 12 27 18.82 | 36.78 N | 117.47 W | 8.3 F | 1.7 | TIN MOUNTAIN |
| 28 | 19 3 48.17 | 37.18 N | 117.19 W | 7.2 F | 2.2 | MT. JACKSON |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 03 | 23 47 9.66 | 37.04 N | 116.19 W | 6.0 F | 2.3 | SILENT CANYON - YUCCA FLAT |
| 04 | 18 0 48.84 | 36.94 N | 115.60 W | 19.0 F | 1.6 | MERCURY |
| 05 | 2 27 44.95 | 36.85 N | 115.94 W | 8.6 F | 2.1 | MERCURY |
| 05 | 2 29 6.43 | 36.85 N | 115.96 W | 3.0 F | 1.4 | MERCURY |
| 05 | 17 29 58.94 | 36.82 N | 115.91 W | 13.1 F | 1.0 | MERCURY |
| 08 | 1 35 20.86 | 36.55 N | 116.35 W | 5.4 F | 1.6 | LATHROP WELLS |
| 08 | 2 11 31.66 | 36.85 N | 115.95 W | 0.0 F | 1.9 | MERCURY |
| 10 | 7 39 21.84 | 37.28 N | 117.06 W | 6.3 F | 1.2 | MT. JACKSON |
| 11 | 9 48 1.29 | 36.98 N | 116.39 W | 5.0 D | 1.7 | CHLORIDE CLIFF |
| 14 | 13 54 23.50 | 37.18 N | 116.29 W | 12.5 F | 2.0 | SILENT CANYON - PAHUTE MESA |
| 14 | 16 55 4.66 | 37.16 N | 117.42 W | 4.9 F | 1.2 | MT. JACKSON |
| 15 | 10 24 43.67 | 37.50 N | 117.71 W | 7.0 F | 1.7 | SILVER PEAK |
| 15 | 12 42 51.95 | 36.53 N | 115.89 W | 5.0 D | 2.3 | MERCURY |
| 15 | 12 44 55.55 | 36.82 N | 115.94 W | 10.0 F | 1.6 | MERCURY |
| 15 | 21 30 2.10 | 36.91 N | 115.99 W | 0.0 F | 1.6 | MERCURY |
| 16 | 11 25 35.88 | 37.21 N | 115.47 W | 1.7 F | 3.3 | ALAMO |
| 16 | 21 45 27.76 | 37.21 N | 115.48 W | 0.1 F | 2.3 | ALAMO |
| 21 | 2 27 39.35 | 37.30 N | 116.35 W | 2.9 F | 2.4 | SILENT CANYON - NORTH |
| 23 | 4 8 40.82 | 36.87 N | 116.18 W | 3.4 F | 2.3 | LATHROP WELLS |
| 23 | 5 24 30.13 | 36.82 N | 116.26 W | 2.4 F | 1.9 | LATHROP WELLS |
| 23 | 16 45 20.07 | 37.30 N | 117.38 W | 6.0 F | 1.6 | MT. JACKSON |
| 24 | 6 2 27.66 | 36.82 N | 116.27 W | 2.8 F | 1.6 | LATHROP WELLS |
| 24 | 6 2 59.68 | 36.82 N | 116.27 W | 2.9 F | 1.5 | LATHROP WELLS |
| 24 | 7 20 49.72 | 36.82 N | 116.27 W | 3.4 F | 1.5 | LATHROP WELLS |
| 25 | 3 48 37.46 | 36.01 N | 116.09 W | 0.3 F | 2.5 | ASH MEADOWS |
| 25 | 10 40 30.33 | 37.32 N | 116.30 W | 3.8 F | 3.1 | SILENT CANYON - NORTH |
| 26 | 2 15 7.25 | 36.82 N | 116.27 W | 4.2 F | 1.3 | LATHROP WELLS |
| 27 | 13 1 55.13 | 37.05 N | 117.45 W | 1.1 F | 1.7 | MT. JACKSON |
| 29 | 4 12 47.91 | 36.83 N | 115.86 W | 8.1 F | 1.5 | MERCURY |
| 29 | 17 53 31.79 | 36.82 N | 116.27 W | 3.4 F | 1.3 | LATHROP WELLS |
| 30 | 9 33 59.44 | 36.64 N | 116.00 W | 12.4 F | 1.7 | MERCURY |
| MAY 02 | 7 38 28.30 | 36.82 N | 116.27 W | 3.6 F | 1.4 | LATHROP WELLS |
| 03 | 10 31 18.71 | 36.46 N | 117.06 W | 14.6 F | 1.7 | PANAMINT BUTTE |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 09 | 2 13 48.05 | 37.25 N | 115.00 W | 4.5 F | 2.9 | DELAMAR MOUNTAINS |
| 09 | 15 5 50.64 | 36.85 N | 116.18 W | 11.9 F | 1.4 | LATHROP WELLS |
| 11 | 13 22 4.54 | 36.74 N | 116.28 W | 5.0 D | 2.1 | LATHROP WELLS |
| 11 | 13 26 9.66 | 36.76 N | 116.28 W | 8.4 F | 1.2 | LATHROP WELLS |
| 11 | 13 37 58.35 | 36.75 N | 116.27 W | 7.1 F | 1.7 | LATHROP WELLS |
| 11 | 14 53 1.66 | 36.75 N | 116.28 W | 7.8 F | 1.3 | LATHROP WELLS |
| 11 | 15 10 21.77 | 37.70 N | 115.04 W | 0.5 F | 2.2 | NIKO |
| 12 | 17 10 19.80 | 36.70 N | 116.28 W | 5.0 D | 2.0 | LATHROP WELLS |
| 13 | 13 58 20.82 | 37.40 N | 115.20 W | 3.8 F | 2.4 | ALAMO |
| 13 | 16 2 10.52 | 36.80 N | 115.96 W | 7.6 F | 1.9 | MERCURY |
| 13 | 16 51 6.91 | 36.76 N | 115.96 W | 20.2 F | 2.0 | MERCURY |
| 14 | 2 18 23.08 | 36.78 N | 115.98 W | 5.0 D | 1.5 | MERCURY |
| 14 | 2 51 48.27 | 36.80 N | 115.96 W | 6.7 F | 1.8 | MERCURY |
| 14 | 2 57 15.16 | 36.75 N | 115.97 W | 23.3 F | 1.8 | MERCURY |
| 14 | 12 4 29.19 | 37.11 N | 116.20 W | 17.0 F | 2.1 | SILENT CANYON - YUCCA FLAT |
| 14 | 12 12 42.13 | 37.09 N | 116.19 W | 1.6 F | 1.7 | SILENT CANYON - YUCCA FLAT |
| 14 | 12 44 29.66 | 37.04 N | 116.16 W | 1.0 F | 1.5 | SILENT CANYON - YUCCA FLAT |
| 14 | 16 42 50.21 | 36.80 N | 115.95 W | 9.6 F | 1.3 | MERCURY |
| 15 | 12 3 20.98 | 36.73 N | 115.96 W | 26.0 F | 1.1 | MERCURY |
| 15 | 14 23 33.58 | 36.79 N | 115.93 W | 13.7 F | 1.2 | MERCURY |
| 15 | 23 16 16.39 | 36.89 N | 116.82 W | 4.0 F | 2.6 | CHLORIDE CLIFF |
| 16 | 6 37 39.48 | 36.20 N | 115.51 W | 1.1 F | 2.4 | CHARLESTON PEAK |
| 17 | 14 16 3.12 | 36.76 N | 115.91 W | 1.3 F | 1.3 | MERCURY |
| 17 | 22 3 14.17 | 37.17 N | 115.27 W | 5.0 D | 1.3 | ALAMO |
| 18 | 12 13 41.73 | 37.09 N | 116.18 W | 1.5 F | 2.3 | SILENT CANYON - YUCCA FLAT |
| 18 | 15 18 52.62 | 36.75 N | 116.30 W | 10.9 F | 1.2 | LATHROP WELLS |
| 18 | 15 39 43.85 | 36.76 N | 116.33 W | 7.3 F | 1.0 | LATHROP WELLS |
| 19 | 10 1 46.27 | 36.87 N | 116.18 W | 9.5 F | 1.0 | LATHROP WELLS |
| 19 | 21 49 34.21 | 36.90 N | 115.18 W | 12.8 F | 1.8 | HAYFORD PEAK |
| 19 | 21 49 4.36 | 37.39 N | 114.47 W | 5.0 D | 2.5 | TULE DESERT |
| 20 | 1 49 59.30 | 37.03 N | 116.02 W | 5.0 D | 1.3 | SILENT CANYON - YUCCA FLAT |
| 20 | 9 7 54.80 | 37.02 N | 116.01 W | 14.3 F | 1.8 | SILENT CANYON - YUCCA FLAT |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 09 | 2 21 21.90 | 36.54 N | 116.39 W | 1.4 F | 1.6 | LATHROP WELLS |
| 09 | 2 21 40.57 | 36.62 N | 116.27 W | 9.7 F | 1.5 | LATHROP WELLS |
| 11 | 8 14 29.97 | 37.15 N | 117.39 W | 12.2 F | 1.3 | MT. JACKSON |
| 11 | 8 19 44.69 | 37.11 N | 116.31 W | 1.6 F | 1.2 | SILENT CANYON - PAHUTE MESA |
| 12 | 4 53 13.94 | 36.49 N | 116.81 W | 0.2 F | 2.1 | FURNACE CREEK |
| 14 | 8 20 27.36 | 36.33 N | 116.24 W | 1.8 F | 1.7 | ASH MEADOWS |
| 15 | 8 59 59.92 | 36.20 N | 116.70 W | 5.0 D | 1.6 | FURNACE CREEK |
| 15 | 18 15 37.34 | 36.01 N | 115.27 W | 0.3 F | 2.8 | LAS VEGAS |
| 15 | 23 9 49.90 | 36.48 N | 116.92 W | 5.7 F | 2.0 | FURNACE CREEK |
| 17 | 17 48 9.14 | 36.99 N | 117.54 W | 0.1 F | 2.6 | DRY MOUNTAIN |
| 18 | 8 0 42.67 | 37.17 N | 115.19 W | 4.0 F | 2.4 | ALAMO |
| 19 | 8 33 4.44 | 36.91 N | 115.99 W | 9.4 F | 1.5 | MERCURY |
| 20 | 11 58 16.22 | 36.71 N | 115.60 W | 7.8 F | 2.0 | MERCURY |
| 20 | 18 5 20.23 | 36.82 N | 116.27 W | 0.5 F | 1.3 | LATHROP WELLS |
| 21 | 3 24 2.88 | 37.22 N | 116.47 W | 1.8 F | 2.6 | SILENT CANYON - NORTH |
| 21 | 12 30 47.79 | 36.81 N | 115.96 W | 1.8 F | 1.0 | MERCURY |
| 22 | 1 11 2.12 | 36.51 N | 116.44 W | 8.9 F | 1.4 | LATHROP WELLS |
| 23 | 3 37 51.05 | 37.13 N | 117.02 W | 3.0 F | 2.3 | MT. JACKSON |
| 24 | 10 34 23.72 | 36.77 N | 116.02 W | 9.7 F | 0.9 | LATHROP WELLS |
| 24 | 11 40 9.15 | 36.88 N | 116.22 W | 5.0 D | 1.0 | LATHROP WELLS |
| 24 | 23 7 2.35 | 36.63 N | 116.00 W | 9.0 F | 1.7 | MERCURY |
| 25 | 8 7 48.75 | 37.31 N | 116.44 W | 10.4 F | 2.0 | SILENT CANYON - NORTH |
| 25 | 8 9 30.03 | 37.31 N | 116.44 W | 11.8 F | 1.9 | SILENT CANYON - NORTH |
| 25 | 8 32 35.88 | 37.31 N | 116.44 W | 8.7 F | 1.9 | SILENT CANYON - NORTH |
| 25 | 9 27 4.38 | 37.31 N | 116.43 W | 11.6 F | 2.5 | SILENT CANYON - NORTH |
| 25 | 13 32 25.71 | 37.31 N | 116.44 W | 14.6 F | 1.8 | SILENT CANYON - NORTH |
| 25 | 15 12 22.09 | 37.31 N | 116.44 W | 10.3 F | 1.7 | SILENT CANYON - NORTH |
| 26 | 1 0 10.17 | 37.31 N | 116.44 W | 13.6 F | 1.7 | SILENT CANYON - NORTH |
| 26 | 1 28 56.47 | 37.31 N | 116.43 W | 15.2 F | 1.9 | SILENT CANYON - NORTH |
| 26 | 2 40 29.08 | 37.30 N | 116.45 W | 14.2 F | 1.8 | SILENT CANYON - NORTH |
| 26 | 10 15 44.92 | 37.30 N | 116.43 W | 14.8 F | 1.8 | SILENT CANYON - NORTH |
| 26 | 11 18 13.83 | 36.41 N | 116.28 W | 1.1 F | 1.3 | ASH MEADOWS |
| 26 | 11 18 58.51 | 36.81 N | 116.31 W | 5.0 D | 1.2 | LATHROP WELLS |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | 02 | 1 | 48 | 14.38 | 37.27 N | 117.06 W | 0.3 | F | 3.3 | MT. JACKSON |
| | 02 | 6 | 13 | 40.91 | 36.99 N | 115.99 W | 5.4 | F | 2.0 | MERCURY |
| | 02 | 20 | 15 | 51.33 | 36.53 N | 114.78 W | 5.0 | D | 3.1 | MOAPA |
| | 02 | 20 | 16 | 1.15 | 37.17 N | 114.99 W | 9.7 | F | 2.7 | DELAMAR MOUNTAINS |
| | 03 | 5 | 25 | 3.67 | 37.22 N | 116.34 W | 1.1 | F | 2.6 | SILENT CANYON - NORTH |
| | 03 | 11 | 50 | 55.40 | 37.34 N | 115.92 W | 5.3 | F | 1.4 | GROOM LAKE |
| | 03 | 17 | 52 | 6.10 | 37.31 N | 114.67 W | 2.0 | F | 2.1 | DELAMAR MOUNTAINS |
| | 03 | 17 | 52 | 41.63 | 36.78 N | 115.82 W | 5.0 | D | 1.3 | MERCURY |
| | 04 | 2 | 23 | 47.91 | 35.68 N | 117.52 W | 0.9 | F | 2.7 | LITTLE LAKE |
| | 06 | 19 | 40 | 31.20 | 37.28 N | 117.06 W | 6.8 | F | 2.1 | MT. JACKSON |
| | 08 | 21 | 45 | 54.05 | 37.30 N | 114.79 W | 5.6 | F | 3.3 | DELAMAR MOUNTAINS |
| | 09 | 2 | 19 | 22.11 | 36.77 N | 115.96 W | 1.7 | F | 2.0 | MERCURY |
| | 09 | 10 | 3 | 39.02 | 36.78 N | 115.93 W | 2.9 | F | 1.6 | MERCURY |
| | 12 | 2 | 47 | 41.23 | 37.20 N | 117.12 W | 2.7 | F | 3.5 | MT. JACKSON |
| | 12 | 5 | 40 | 44.28 | 36.84 N | 115.64 W | 7.3 | F | 2.6 | MERCURY |
| | 12 | 14 | 52 | 14.97 | 37.06 N | 117.14 W | 5.9 | D | 2.3 | MT. JACKSON |
| | 12 | 16 | 27 | 31.22 | 37.42 N | 116.14 W | 36.1 | F | 2.0 | SILENT CANYON - NORTH |
| | 13 | 10 | 57 | 31.83 | 37.26 N | 116.45 W | 9.6 | F | 2.1 | SILENT CANYON - NORTH |
| | 13 | 14 | 52 | 15.51 | 37.07 N | 117.08 W | 5.8 | F | 1.8 | MT. JACKSON |
| | 13 | 16 | 27 | 24.22 | 37.49 N | 115.37 W | 6.1 | F | 2.0 | ALAMO |
| | 15 | 4 | 53 | 22.88 | 37.22 N | 115.00 W | 1.8 | F | 2.6 | ALAMO |
| | 15 | 12 | 21 | 51.66 | 37.31 N | 116.38 W | 9.9 | F | 1.9 | SILENT CANYON - NORTH |
| | 15 | 12 | 29 | 7.43 | 37.24 N | 116.40 W | 5.0 | D | 2.3 | SILENT CANYON - NORTH |
| | 17 | 19 | 21 | 35.21 | 35.86 N | 117.49 W | 0.5 | F | 2.4 | SEARLES LAKE |
| | 17 | 19 | 21 | 51.47 | 36.80 N | 117.06 W | 19.8 | F | 1.6 | TIN MOUNTAIN |
| | 19 | 0 | 33 | 9.83 | 37.37 N | 116.19 W | 0.4 | F | 2.6 | SILENT CANYON - NORTH |
| | 20 | 11 | 36 | 8.03 | 37.27 N | 117.00 W | 14.3 | F | 2.1 | MT. JACKSON |
| | 20 | 11 | 41 | 37.94 | 37.32 N | 116.35 W | 4.6 | F | 2.4 | SILENT CANYON - NORTH |
| | 21 | 4 | 1 | 54.71 | 36.69 N | 115.70 W | 7.4 | F | 2.5 | MERCURY |
| | 23 | 1 | 32 | 15.47 | 36.26 N | 114.80 W | 10.3 | F | 2.8 | HOOVER DAM |
| | 23 | 2 | 31 | 19.56 | 37.46 N | 116.27 W | 2.8 | F | 2.1 | SILENT CANYON - NORTH |
| | 24 | 13 | 27 | 47.05 | 36.98 N | 115.96 W | 6.6 | F | 2.5 | MERCURY |
| | 24 | 19 | 25 | 38.89 | 37.08 N | 115.96 W | 9.5 | F | 2.6 | GROOM LAKE |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12 | 9 44 44.54 | 37.31 N | 116.43 W | 12.1 F | 2.2 | SILENT CANYON - NORTH |
| 13 | 19 7 44.57 | 37.00 N | 116.23 W | 5.0 D | 1.8 | LATHROP WELLS |
| 14 | 17 10 26.79 | 37.08 N | 116.00 W | 1.8 F | 3.2 | SILENT CANYON - YUCCA FLAT |
| 14 | 17 15 35.51 | 37.09 N | 115.97 W | 0.8 F | 4.3 | GROOM LAKE |
| 19 | 3 15 8.81 | 37.13 N | 116.59 W | 16.1 F | 2.3 | THIRSTY CANYON |
| 19 | 8 43 56.49 | 37.22 N | 115.64 W | 5.0 D | 2.4 | GROOM LAKE |
| 19 | 9 2 41.18 | 36.61 N | 116.25 W | 9.1 F | 1.8 | LATHROP WELLS |
| 20 | 2 50 17.27 | 37.80 N | 116.31 W | 9.3 F | 1.8 | QUARTZITE MOUNTAIN |
| 21 | 3 52 55.46 | 37.47 N | 116.88 W | 2.8 F | 2.4 | THIRSTY CANYON |
| 21 | 3 35 28.53 | 37.40 N | 115.07 W | 5.0 D | 2.3 | ALAMO |
| 22 | 4 58 53.67 | 36.51 N | 116.59 W | 9.8 F | 2.2 | CHLORIDE CLIFF |
| 22 | 19 16 25.92 | 36.51 N | 116.66 W | 5.7 F | 2.3 | CHLORIDE CLIFF |
| 22 | 22 6 32.31 | 36.53 N | 115.81 W | 9.6 F | 1.9 | MERCURY |
| 23 | 1 11 44.51 | 37.17 N | 114.68 W | 4.6 F | 2.1 | DELAMAR MOUNTAINS |
| 23 | 2 57 24.19 | 36.53 N | 115.55 W | 0.4 F | 2.3 | MERCURY |
| 23 | 4 48 28.60 | 36.53 N | 115.55 W | 0.3 F | 2.3 | MERCURY |
| 23 | 12 13 22.72 | 36.54 N | 115.54 W | 8.8 F | 2.2 | MERCURY |
| 23 | 15 15 28.22 | 36.56 N | 115.51 W | 4.8 F | 1.8 | MERCURY |
| 25 | 0 38 31.11 | 36.68 N | 115.56 W | 7.4 F | 2.3 | MERCURY |
| 26 | 4 7 5.81 | 37.09 N | 117.33 W | 2.6 F | 1.9 | MT. JACKSON |
| 26 | 11 12 45.06 | 36.16 N | 117.51 W | 5.0 D | 2.4 | DARWIN |
| 26 | 11 24 33.94 | 37.51 N | 116.34 W | 5.0 D | 1.9 | QUARTZITE MOUNTAIN |
| 27 | 10 15 13.36 | 36.44 N | 115.56 W | 4.5 F | 2.0 | CHARLESTON PEAK |
| 27 | 22 2 2.34 | 36.87 N | 116.24 W | 6.3 F | 1.6 | LATHROP WELLS |
| 28 | 11 8 20.10 | 36.86 N | 115.94 W | 1.1 F | 1.5 | MERCURY |
| 29 | 4 56 53.57 | 36.76 N | 116.27 W | 3.5 F | 1.6 | LATHROP WELLS |
| 29 | 5 21 31.05 | 36.87 N | 115.79 W | 5.0 D | 0.9 | MERCURY |
| 29 | 9 17 14.53 | 36.71 N | 116.27 W | 9.4 F | 1.2 | LATHROP WELLS |
| 30 | 6 0 56.01 | 36.24 N | 116.48 W | 8.9 F | 2.1 | ASH MEADOWS |
| DEC 01 | 23 16 11.90 | 36.67 N | 115.33 W | 3.1 F | 2.5 | HAYFORD PEAK |
| 02 | 6 31 2.93 | 36.77 N | 115.91 W | 3.9 F | 1.8 | MERCURY |
| 04 | 0 40 35.65 | 38.29 N | 117.20 W | 6.4 F | 3.0 | TONOPAH |
| 06 | 6 46 35.11 | 37.37 N | 115.13 W | 5.2 F | 2.6 | ALAMO |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 28 | 8 46 30.82 | 36.69 N | 116.32 W | 3.7 F | 1.9 | LATHROP WELLS |
| 30 | 12 9 23.94 | 36.61 N | 116.26 W | 5.0 B | 1.5 | LATHROP WELLS |
| 30 | 19 45 27.57 | 37.32 N | 115.05 W | 1.7 F | 2.2 | ALAMO |

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EXPLANATION OF PHASE READING COLUMN HEADINGS

HYPOCENTERS ARE LISTED IN CHRONOLOGICAL ORDER.
HYPOCENTER INFORMATION IS ARRANGED AS FOLLOWS:

```
*****************************************************************
*  DATE  ORIGIN TIME      RMS   NO   MB            TYPE OF SOLUTION  *
*          LATITUDE       ERH   ERM  M       G                      *
*          LONGITUDE      ERY   GAP  AVFM    GS    GEOGRAPHIC LOCATION*
*          DEPTH          ERZ   NM   AVXM    GB                     *
*****************************************************************
*   PHASE DATA                                                    *
*        *                                                        *
*        *                                                        *
*****************************************************************
```

EXPLANATION OF HYPOCENTER SOLUTION VARIABLE NAMES

RMS = ROOT-MEAN-SQUARE OF TRAVEL-TIME RESIDUALS, IN SECONDS

ERZ = STANDARD ERROR IN LATITUDE, IN KILOMETERS

ERY = STANDARD ERROR IN LONGITUDE, IN KILOMETERS

ERZ = STANDARD ERROR IN DEPTH, IN KILOMETERS

NO = NUMBER OF STATION READINGS

ERH = STANDARD ERROR OF EPICENTER, IN KILOMETERS;
HYPO71 NOTATION (LEE AND LAHR, 1975)

GAP = LARGEST AZIMUTHAL SEPARATION BETWEEN STATIONS, IN DEGREES

MB = AVERAGE BODY-WAVE MAGNITUDE, FROM TELESEISMIC P-WAVE
AMPLITUDES OR FROM PG PHASE AMPLITUDES

M = AVERAGE SURFACE-WAVE MAGNITUDE (MS) IF EVENT IS A TELESEISM;
M IS LOCAL MAGNITUDE (ML) OTHERWISE

AVFM= AVERAGE MAGNITUDE COMPUTED BY THE METHOD OF LEE, BENNETT, AND
MEAGHER (1972)

NM = NUMBER OF STATION READINGS USED FOR COMPUTING AVXM

AVXM= AVERAGE MAGNITUDE COMPUTED BY THE METHOD OF EATON, O'NEILL, AND
MURDOCK (1970)

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| JAN 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN M = 4 22 18.99 UTC RMS = 0.06 NO = 6 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 06 LAT = 36.523 N ERX = 0.2 ERM = 0.3 AVFM = 1.4 Q = C | | | | | | | | | | | | | | | |
| LONG = 116.381 W ERY = 0.3 GAP = 118 AVXM = GS = C | | | | | | | | | | | | | | | LATHROP WELLS |
| DEPTH = 3.41 KM ERZ = 5.8 NM = GD = C | | | | | | | | | | | | | | | |
| 06 | SDM | IPU4 | 4 22 21.25 | | | | | | 11 | 1.3 | 14.1 | 16 | 108 | 2.26 | 2.68 -0.42 |
| 06 | AMR | EPU | 4 22 22.08 | | | | | | 24 | 1.9 | 16.2 | 211 | 98 | 3.01 | 3.02 -0.01 |
| 06 | LSM | EPD | 4 22 23.37 | | | | | | | | 25.9 | 22 | 95 | 4.38 | 4.57 -0.20 |
| 06 | JCN | EPU | 4 22 23.70 | | | | | | 7 | 0.9 | 24.6 | 110 | 95 | 4.71 | 4.69 0.01 |
| 06 | BRD | EPU | 4 22 24.99 | | | | | | | | 34.4 | 321 | 94 | 6.08 | 5.95 0.04 |
| 06 | LOP | EPD | 4 22 26.12 | | | | | | | | 41.4 | 28 | 93 | 7.13 | 7.09 0.03 |
| 06 | CPX | EPU4 | 4 22 27.85 | | | | | | | | 53.5 | 33 | 92 | 8.86 | 9.05 -0.20 |
| 06 | BCB | EP | 4 22 28.98 | | | | | | | | 58.7 | 14 | 92 | 9.91 | 9.91 0.05 |
| 06 | SGV | EP 4 | 4 22 32.48 | | | | | | | | 77.2 | 311 | 92 | 13.41 | 12.91 0.49 |
| 06 | TPU | EPD4 | 4 22 42.58 | | | | | | | | 136.5 | 28 | 53 | 23.59 | 22.27 1.32 |
| 06 | OCS | EP 4 | 4 22 43.45 | | | | | | | | 144.2 | 17 | 53 | 24.46 | 23.26 1.20 |
| JAN M = 15 11 59.33 UTC RMS = 0.08 NO = 8 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 08 LAT = 37.297 N ERX = 0.5 ERM = 0.6 AVFM = 2.3 Q = B | | | | | | | | | | | | | | | |
| LONG = 117.625 W ERY = 0.3 GAP = 104 AVXM = GS = A | | | | | | | | | | | | | | | MAGRUDER MOUNTAIN |
| DEPTH = 4.28 KM ERZ = 1.0 NM = GD = B | | | | | | | | | | | | | | | |
| 08 | LCM | IPD | 15 12 0.98 | | | | | | 30 | 2.3 | 7.2 | 196 | 113 | 1.65 | 1.61 0.04 |
| 08 | MGM | IPD | 15 12 2.88 | | | | | | 33 | 2.2 | 19.6 | 35 | 98 | 3.47 | 3.57 -0.10 |
| 08 | PPK | IPU | 15 12 4.38 | | | | | | 33 | 2.3 | 28.8 | 300 | 95 | 5.01 | 5.06 -0.05 |
| 08 | SVP | IPU | 15 12 7.92 | | | | | | | | 48.9 | 341 | 93 | 8.59 | 8.32 0.12 |
| 08 | MZP | IPD | 15 12 7.61 | | | | | | 12 | 1.5 | 49.6 | 26 | 93 | 8.28 | 8.43 0.04 |
| 08 | LSM | EPU | 15 12 21.28 | | | | | | 32 | 2.6 | 135.4 | 117 | 53 | 21.87 | 22.09 -0.22 |
| 08 | LOP | EPD | 15 12 21.91 | | | | | | 31 | 2.6 | 138.6 | 111 | 53 | 22.58 | 22.50 0.08 |
| 08 | CPX | EPU | 15 12 22.81 | | | | | | | | 145.1 | 106 | 53 | 23.6[illegible] | 23.35 0.13 |
| 08 | GPM | IPD | 15 12 26.27 | | | | | | 21 | 2.3 | 164.4 | 89 | 53 | 26.94 | 25.85 1.09 |
| JAN M = 16 6 8.32 UTC RMS = 0.06 NO = 6 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 08 LAT = 37.298 N ERX = 0.5 ERM = 0.7 AVFM = 2.1 Q = B | | | | | | | | | | | | | | | |
| LONG = 117.625 W ERY = 0.4 GAP = 104 AVXM = GS = A | | | | | | | | | | | | | | | MAGRUDER MOUNTAIN |
| DEPTH = 3.39 KM ERZ = 1.4 NM = GD = B | | | | | | | | | | | | | | | |
| 08 | LCM | IPD | 16 6 9.93 | | | | | | 26 | 2.0 | 7.3 | 195 | 106 | 1.61 | 1.58 0.03 |
| 08 | MGM | IPD | 16 6 11.80 | | | | | | 18 | 1.7 | 19.6 | 36 | 95 | 3.48 | 3.55 -0.07 |
| 08 | PPK | IPU | 16 6 13.32 | | | | | | 18 | 1.7 | 28.7 | 300 | 94 | 5.00 | 5.03 -0.03 |
| 08 | SVP | IPU | 16 6 16.85 | | | | | | | | 48.8 | 341 | 92 | 8.53 | 8.30 0.08 |
| 08 | LSM | IPD | 16 6 30.64 | | | | | | 27 | 2.5 | 135.5 | 117 | 53 | 22.32 | 22.19 0.13 |
| 08 | LCP | EPU | 16 6 30.75 | | | | | | 26 | 2.4 | 138.7 | 111 | 53 | 22.43 | 22.59 -0.17 |
| 08 | OCS | EPU | 16 6 34.65 | | | | | | | | 159.9 | 71 | 53 | 26.33 | 25.35 0.98 |
| JAN M = 16 38 1.38 UTC RMS = 0.70 NO = 5 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 08 LAT = 36.930 N ERX = 1.2 ERM = 1.6 AVFM = 1.6 Q = D | | | | | | | | | | | | | | | |
| LONG = 116.060 W ERY = 1.0 GAP = 139 AVXM = GS = D | | | | | | | | | | | | | | | LATHROP WELLS |
| DEPTH = 8.12 KM ERZ = 0.9 NM = GD = D | | | | | | | | | | | | | | | |
| 08 | CPX | EPU | 16 38 3.15 | | | | | | 17 | 1.6 | 0.2 | 141 | 178 | 1.77 | 1.49 0.28 |
| 08 | LOP | IPU | 16 38 3.85 | | | | | | 16 | 1.6 | 12.8 | 229 | 119 | 2.47 | 2.70 -0.23 |
| 08 | LSM | IPU4 | 16 38 5.22 | | | | | | 17 | 1.7 | 28.4 | 222 | 103 | 3.84 | 5.10 -1.26 |
| 08 | GLR | EPU | 16 38 7.80 | | | | | | | | 30.1 | 7 | 103 | 6.42 | 5.36 1.21 |
| 08 | SPRG | IPD4 | 16 38 8.11 | | | | | | 15 | 1.6 | 34.5 | 140 | 101 | ****** | 6.06 -7.33 |
| 08 | GPM | IPU | 16 38 9.42 | | | | | | | | 51.6 | 30 | 97 | 8.08 | 8.81 -0.77 |
| 08 | TPU | IPU | 16 38 14.65 | | | | | | | | 83.2 | 26 | 94 | 13.27 | 13.93 -0.66 |
| 08 | MPM | EPU4 | 16 38 20.91 | | | | | | | | 127.8 | 51 | 53 | 19.53 | 20.72 -1.19 |
| 08 | SPG | EPU4 | 16 38 23.06 | | | | | | | | 137.4 | 40 | 53 | 21.62 | 21.96 -0.34 |
| JAN M = 16 51 2.09 UTC RMS = 0.09 NO = 8 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 08 LAT = 36.750 N ERX = 0.8 ERM = 1.0 AVFM = 1.7 Q = C | | | | | | | | | | | | | | | |
| LONG = 115.833 W ERY = 0.6 GAP = 152 AVXM = GS = B | | | | | | | | | | | | | | | MERCURY |
| DEPTH = 5.92 KM ERZ = 2.3 NM = GD = C | | | | | | | | | | | | | | | |
| 08 | SPRG | IPD | 16 51 3.74 | | | | | | 15 | 1.5 | 6.6 | 161 | 127 | 1.65 | 1.66 -0.01 |
| 08 | LOP | IPD | 16 51 7.55 | | | | | | 16 | 1.7 | 32.0 | 291 | 98 | 5.46 | 5.60 -0.14 |
| 08 | LSM | IPD | 16 51 8.45 | | | | | | 19 | 1.8 | 39.2 | 268 | 96 | 6.46 | 6.77 0.09 |
| 08 | JCN | EP | 16 51 9.40 | | | | | | | | 42.1 | 215 | 96 | 7.31 | 7.23 0.08 | MESSY FILM |
| 08 | SDM | EP | 16 51 10.00 | | | | | | | | 46.6 | 256 | 95 | 7.91 | 7.97 -0.06 | MESSY FILM |
| 08 | GLR | EPD | 16 51 11.40 | | | | | | | | 52.5 | 342 | 95 | 9.31 | 8.91 0.55 |
| 08 | GPM | IPU | 16 51 13.03 | | | | | | | | 65.0 | 5 | 94 | 10.94 | 10.94 -0.00 |
| 08 | TPU | EPU | 16 51 18.13 | | | | | | | | 96.2 | 10 | 93 | 16.01 | 16.02 -0.01 |
| 08 | OCS | EPD4 | 16 51 21.85 | | | | | | | | 113.2 | 356 | 92 | 19.76 | 19.77 0.99 |

LOCAL-LEVEL DATA REPORT

| JAN 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | AMAG | QUN | FMAG | DIST (NM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ES | 23 21 46.15 | | | | | | | | | 3.36 | 3.31 | 0.05 | |
| 11 | LOP | IPU | 23 21 46.71 | | | | 8 | 1.0 | 10.5 | 67 | 110 | 1.92 | 2.15 | -0.23 | |
| | | ES | 23 21 48.45 | | | | | | | | | 3.86 | 3.76 | 0.10 | |
| 11 | BGB | EPU | 23 21 49.20 | | | | | | 24.0 | 10 | 90 | 4.41 | 4.42 | 0.00 | |

JAN H = 11 40 59.69 UTC RMS = 0.05 NO = 9 — FREE DEPTH SOLUTION
12 LAT = 36.817 N ERX = 0.2 ERM = 0.3 AVFM = 1.5 Q = B
LONG = 116.269 W ERY = 0.2 GAP = 109 AVXM = QS = A — LATHROP WELLS
DEPTH = 1.04 KM ERZ = 0.4 NM = QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | LSM | IPDe | 11 41 1.42 | | | 27 | 2.0 | 4.7 | 182 | 38 | 1.73 | 1.90 | -0.17 | |
| 12 | LCP | IPD | 11 41 1.73 | | | 22 | 1.6 | 9.8 | 66 | 38 | 2.04 | 2.08 | -0.04 | |
| 12 | SSP | IPU | 11 41 2.20 | | | | | 12.7 | 20 | 38 | 2.51 | 2.55 | -0.04 | |
| 12 | SDM | IPDe | 11 41 3.20 | | | | | 20.1 | 198 | 38 | 3.51 | 3.76 | -0.24 | |
| 12 | CPX | EPDe | 11 41 3.48 | | | 12 | 1.4 | 22.4 | 56 | 38 | 3.75 | 4.13 | -0.37 | |
| | | ES | 11 41 6.77 | | | | | | | | 7.08 | 7.22 | -0.14 | |
| 12 | BGB | IPD | 11 41 4.20 | | | | | 24.7 | 8 | 38 | 4.51 | 4.51 | 0.06 | |
| 12 | MCX | IPU | 11 41 5.24 | | | 7 | 0.9 | 30.5 | 126 | 38 | 5.55 | 5.45 | 0.10 | |
| | | ES | 11 41 9.80 | | | | | | | | 10.11 | 9.54 | 0.57 | |
| 12 | BRD | EPD | 11 41 5.45 | | | | | 32.5 | 259 | 38 | 5.76 | 5.77 | -0.01 | |
| | | ISD | 11 41 9.79 | | | | | | | | 10.10 | 10.10 | 0.00 | |
| 12 | SPRG | IPD | 11 41 7.27 | | | | | 43.1 | 109 | 38 | 7.58 | 7.50 | 0.08 | |
| 12 | AMR | EPD | 11 41 8.32 | | | | | 50.1 | 202 | 38 | 8.63 | 8.64 | -0.00 | |

JAN H = 19 13 26.40 UTC RMS = 0.10 NO = 9 — FREE DEPTH SOLUTION
12 LAT = 36.816 N ERX = 0.5 ERM = 0.6 AVFM = 1.5 Q = B
LONG = 116.273 W ERY = 0.4 GAP = 110 AVXM = QS = B — LATHROP WELLS
DEPTH = 4.93 KM ERZ = 2.6 NM = — QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | LSM | IPD | 19 13 28.29 | | | | | 8.6 | 179 | 114 | 1.89 | 1.86 | 0.03 | |
| 12 | LCP | IP | 19 13 28.48 | | | 24 | 1.9 | 10.4 | 66 | 109 | 2.08 | 2.13 | -0.05 | |
| 12 | SSP | IPU | 19 13 28.90 | | | 23 | 1.9 | 13.0 | 22 | 105 | 2.50 | 2.54 | -0.05 | |
| 12 | SDM | IPD | 19 13 29.85 | | | 12 | 1.4 | 19.8 | 197 | 100 | 3.45 | 3.62 | -0.17 | |
| 12 | CPX | EPU | 19 13 30.16 | | | 15 | 1.6 | 22.9 | 57 | 99 | 3.76 | 4.11 | -0.36 | |
| 12 | BGB | EPD | 19 13 30.85 | | | 20 | 1.8 | 24.9 | 9 | 98 | 4.45 | 4.44 | 0.05 | |
| 12 | MCX | IPU | 19 13 31.90 | | | 6 | 0.8 | 30.9 | 125 | 96 | 5.50 | 5.40 | 0.09 | |
| 12 | BRD | EP | 19 13 32.04 | | | 9 | 1.2 | 32.0 | 259 | 96 | 5.64 | 5.58 | 0.06 | VERY E |
| 12 | SPRG | IPD | 19 13 34.00 | | | | | 43.6 | 108 | 94 | 7.60 | 7.46 | 0.14 | |
| 12 | TPU | EPDe | 19 13 45.10 | | | | | 103.6 | 32 | 92 | 18.70 | 17.22 | 1.48 | |
| 12 | DCS | EPUe | 19 13 46.14 | | | | | 110.3 | 17 | 92 | 19.74 | 18.30 | 1.44 | |

JAN H = 0 40 59.81 UTC RMS = 0.04 NO = 8 — FREE DEPTH SOLUTION
13 LAT = 36.813 N ERX = 0.2 ERM = 0.2 AVFM = 1.1 Q = B
LONG = 116.268 W ERY = 0.2 GAP = 108 AVXM = QS = A — LATHROP WELLS
DEPTH = 1.16 KM ERZ = 0.5 NM = QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | LSM | IPU | 4 41 1.62 | | | | | 8.3 | 192 | 38 | 1.81 | 1.81 | -0.00 | |
| 13 | LCP | IPD | 4 41 1.87 | | | | | 10.0 | 63 | 38 | 2.06 | 2.10 | -0.04 | |
| 13 | SSP | IPU | 4 41 2.35 | | | 15 | 1.5 | 13.1 | 20 | 38 | 2.54 | 2.60 | -0.06 | |
| | | ISD | 4 41 4.35 | | | | | | | | 4.54 | 4.55 | -0.01 | |
| 13 | SDM | EPDe | 4 41 3.30 | | | 6 | 0.8 | 19.7 | 199 | 38 | 3.49 | 3.66 | -0.18 | |
| 13 | CPX | EPDe | 4 41 3.60 | | | | | 22.6 | 56 | 38 | 3.79 | 4.15 | -0.36 | |
| 13 | BGB | EPD | 4 41 4.35 | | | 10 | 1.2 | 25.2 | 8 | 38 | 4.54 | 4.55 | 0.03 | |
| 13 | MCX | EPU | 4 41 5.20 | | | | | 30.3 | 125 | 38 | 5.39 | 5.39 | -0.00 | |
| 13 | BRD | EP | 4 41 5.55 | | | 6 | 0.8 | 32.4 | 260 | 38 | 5.74 | 5.73 | 0.00 | VERY E |
| 13 | SPRG | EPD | 4 41 7.38 | | | | | 43.0 | 108 | 38 | 7.57 | 7.46 | 0.11 | |

JAN H = 4 44 48.07 UTC RMS = 0.01 NO = 6 — FREE DEPTH SOLUTION
13 LAT = 36.828 N ERX = 0.0 ERM = 0.1 AVFM = Q = C
LONG = 116.263 W ERY = 0.1 GAP = 132 AVXM = QS = C — LATHROP WELLS
DEPTH = 1.64 KM ERZ = 13.5 NM = QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | LSM | EPDe | 4 44 45.60 | | | | | 9.1 | 185 | 38 | 1.53 | 1.84 | -0.31 | |
| 13 | LCP | EPD | 4 44 45.93 | | | | | 9.3 | 66 | 38 | 1.86 | 1.87 | -0.01 | |
| 13 | SSP | EPU | 4 44 46.42 | | | | | 12.3 | 19 | 38 | 2.35 | 2.36 | -0.01 | |
| 13 | SDM | EPDe | 4 44 47.35 | | | | | 20.6 | 199 | 38 | 3.28 | 3.71 | -0.43 | |
| 13 | BGB | EPD | 4 44 48.35 | | | | | 24.3 | 7 | 38 | 4.28 | 4.32 | 0.01 | |
| 13 | MCX | EPU | 4 44 49.38 | | | | | 30.4 | 127 | 38 | 5.31 | 5.30 | 0.01 | |
| 13 | BRD | EPD | 4 44 49.60 | | | | | 33.0 | 259 | 38 | 5.73 | 5.73 | -0.00 | |
| 13 | SPRG | EPD | 4 44 51.40 | | | | | 42.8 | 109 | 38 | 7.33 | 7.33 | 0.00 | |

JAN H = 7 14 23.54 UTC RMS = 0.15 NO = 4 — FREE DEPTH SOLUTION
14 LAT = 36.815 N ERX = 0.7 ERM = 0.9 AVFM = 1.4 Q = C

| JAN 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 LAT = 37.066 N | | | ERX = 0.6 | ERM = 1.0 | | | AVFM = 1.4 | | Q = D | | | | | | |
| LONG = 116.050 W | | | ERY = 0.8 | GAP = 181 | | | AVXM = | | QS = C | | | | | | SILENT CANYON - YUCCA FLAT |
| DEPTH = 5.31 KM | | | ERZ = 0.5 | NM = | | | | | QD = D | | | | | | |
| 15 | GLR | IPU | 12 21 24.23 | | | | | | 15.1 | 11 | 105 | 2.74 | 2.88 | 3.00 | |
| 15 | CPX | IPD4 | 12 21 23.92 | | | | 10 | 1.2 | 15.2 | 183 | 105 | 2.43 | 2.40 | -0.48 | |
| 15 | BGB | EP | 12 21 24.50 | | | | 12 | 1.3 | 16.1 | 259 | 104 | 3.01 | 3.04 | 0.02 | |
| 15 | SSP | EPD | 12 21 25.35 | | | | 16 | 1.6 | 21.6 | 224 | 100 | 3.86 | 3.92 | -0.07 | |
| 15 | LOP | IPU4 | 12 21 25.79 | | | | 16 | 1.6 | 25.7 | 204 | 98 | 4.30 | 4.57 | -0.28 | |
| 15 | GMR | EPD4 | 12 21 28.25 | | | | | | 38.7 | 40 | 96 | 6.76 | 6.68 | 0.08 | |
| 15 | LSM | EPU | 12 21 28.61 | | | | 12 | 1.4 | 41.3 | 209 | 95 | 7.12 | 7.09 | 0.02 | |
| 15 | SPRG | EPU | 12 21 29.44 | | | | | | 46.5 | 152 | 95 | 7.95 | 7.94 | 0.01 | |
| 15 | SDM | EPD4 | 12 21 36.67 | | | | | | 53.2 | 209 | 94 | 15.18 | 9.03 | 6.15 | |

| JAN M = 14 21 11.09 UTC | | | RMS = 0.07 | NO = 8 | | | | | | | | | | | FREE DEPTH SOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 LAT = 37.533 N | | | ERX = 0.2 | ERM = 0.4 | | | AVFM = 1.1 | | Q = B | | | | | | |
| LONG = 116.374 W | | | ERY = 0.4 | GAP = 79 | | | AVXM = | | QS = A | | | | | | QUARTZITE MOUNTAIN |
| DEPTH = 11.28 KM | | | ERZ = 1.0 | NM = | | | | | QD = B | | | | | | |
| 15 | KRN | IPD | 14 21 15.09 | | | | | | 19.5 | 10 | 117 | 4.00 | 3.91 | 0.09 | |
| 15 | BLT | EP 4 | 14 21 15.11 | | | | | | 22.6 | 111 | 114 | 4.02 | 4.36 | -0.34 | |
| 15 | CTS | EPU | 14 21 17.00 | | | | | | 33.2 | 291 | 107 | 5.91 | 5.98 | -0.07 | |
| 15 | EPN | IPD | 14 21 17.50 | | | | | | 35.7 | 173 | 106 | 6.41 | 6.36 | 0.05 | |
| 15 | OCS | EPD | 14 21 19.42 | | | | | | 48.1 | 57 | 102 | 8.33 | 8.33 | 0.00 | |
| 15 | GLR | EPD4 | 14 21 19.25 | | | | | | 48.7 | 140 | 101 | 8.16 | 8.42 | -0.11 | |
| 15 | GPR | IPU | 14 21 20.95 | | | | 8 | 1.1 | 57.8 | 112 | 100 | 9.86 | 9.88 | -0.02 | |
| 15 | LCP | EPD | 14 21 24.15 | | | | | | 77.5 | 166 | 97 | 13.06 | 13.06 | 0.00 | |
| 15 | SGV | EPD | 14 21 25.38 | | | | | | 84.6 | 224 | 97 | 14.21 | 14.20 | 0.02 | |
| 15 | GVN | EPD | 14 21 28.60 | | | | | | 104.2 | 236 | 53 | 17.51 | 17.34 | 0.17 | |

| JAN M = 20 20 21.96 UTC | | | RMS = 0.04 | NO = 8 | | | | | | | | | | | FREE DEPTH SOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 LAT = 36.179 N | | | ERX = 0.9 | ERM = 1.0 | | | AVFM = 3.8 | | Q = C | | | | | | |
| LONG = 117.567 W | | | ERY = 0.5 | GAP = 262 | | | AVXM = | | QS = B | | | | | | DARWIN |
| DEPTH = 1.16 KM | | | ERZ = 4.5 | NM = | | | | | QD = D | | | | | | |
| 15 | MCA | IPD4 | 20 20 31.00 | | | | 128 | 3.5 | 58.1 | 26 | 38 | 9.04 | 9.90 | -0.86 | |
| 15 | GSP | IPU | 20 20 33.35 | | | | 117 | 3.5 | 67.2 | 111 | 38 | 11.39 | 11.39 | -0.01 | |
| 15 | TPO | IPD4 | 20 20 32.95 | | | | 165 | 3.8 | 71.0 | 12 | 38 | 10.99 | 12.00 | -1.01 | |
| 15 | GVN | IPD4 | 20 20 37.15 | | | | 169 | 3.9 | 93.5 | 12 | 38 | 15.19 | 15.86 | -0.67 | |
| 15 | SGV | IPD4 | 20 20 38.55 | | | | 180 | 4.0 | 101.1 | 28 | 38 | 16.59 | 16.90 | -0.31 | |
| 15 | APK | IPU | 20 20 38.79 | | | | 130 | 3.7 | 101.1 | 76 | 38 | 16.83 | 16.90 | -0.08 | |
| 15 | BRO | IPU4 | 20 20 39.50 | | | | 124 | 3.7 | 106.4 | 52 | 38 | 17.54 | 17.76 | -0.22 | |
| 15 | LCM | IPD4 | 20 20 40.24 | | | | | | 117.4 | 356 | 38 | 18.28 | 19.55 | -1.27 | |
| 15 | NPN | IPD | 20 20 42.08 | | | | 176 | 4.0 | 120.5 | 34 | 38 | 20.04 | 20.05 | -0.01 | |
| 15 | SDM | IPU | 20 20 42.29 | | | | 120 | 3.7 | 121.8 | 65 | 38 | 20.33 | 20.27 | 0.06 | |
| 15 | NCP | IPU | 20 20 43.11 | | | | 99 | 3.6 | 127.3 | 93 | 38 | 21.15 | 21.17 | -0.02 | |
| 15 | LSM | IPD4 | 20 20 44.13 | | | | 99 | 3.6 | 131.6 | 62 | 38 | 22.17 | 21.87 | 0.30 | |
| 15 | JOM | IPU | 20 20 44.40 | | | | 110 | 3.7 | 134.6 | 78 | 38 | 22.44 | 22.36 | 0.08 | |
| 15 | MGM | EPU4 | 20 20 44.30 | | | | | | 140.2 | 3 | 30 | 22.34 | 23.09 | -0.75 | |
| 15 | PPK | EPD4 | 20 20 42.40 | | | | | | 141.7 | 348 | 30 | 20.44 | 23.28 | -2.84 | |
| 15 | LOP | IPU4 | 20 20 46.25 | | | | 158 | 4.0 | 146.1 | 59 | 30 | 24.29 | 23.85 | 0.44 | |
| 15 | SSP | IPD4 | 20 20 46.29 | | | | | | 146.3 | 56 | 30 | 24.33 | 23.88 | 0.45 | |
| 15 | MCX | IPD4 | 20 20 47.05 | | | | 54 | 3.1 | 151.0 | 69 | 30 | 25.09 | 24.48 | 0.60 | |
| 15 | BGB | IPU4 | 20 20 46.10 | | | | | | 153.1 | 52 | 30 | 24.14 | 24.76 | -0.58 | |
| 15 | CPX | IPU4 | 20 20 47.76 | | | | 138 | 4.0 | 158.6 | 58 | 30 | 25.80 | 25.47 | 0.33 | |
| 15 | EPN | IPD4 | 20 20 48.50 | | | | | | 159.8 | 44 | 30 | 26.54 | 25.63 | 0.90 | |
| 15 | SPRG | IPU4 | 20 20 48.89 | | | | 125 | 3.9 | 167.7 | 70 | 30 | 26.93 | 26.66 | 0.27 | |
| 15 | MZP | EPD4 | 20 20 49.20 | | | | | | 169.7 | 6 | 30 | 27.24 | 26.91 | 0.52 | |
| 15 | SVP | EPD | 20 20 49.30 | | | | | | 171.7 | 353 | 30 | 27.34 | 27.18 | 0.01 | |
| 15 | CTS | EPD4 | 20 20 50.60 | | | | 75 | 3.5 | 178.6 | 25 | 30 | 28.64 | 28.08 | 0.56 | |
| 15 | GLR | IPD4 | 20 20 50.69 | | | | 97 | 3.7 | 178.9 | 51 | 30 | 28.73 | 28.11 | 0.77 | |
| 15 | APK | IPU | 20 20 50.22 | | | | 101 | 3.8 | 179.9 | 85 | 30 | 28.26 | 28.24 | 0.02 | |
| 15 | BLT | EPU4 | 20 20 52.50 | | | | 114 | 3.9 | 191.3 | 42 | 30 | 30.54 | 29.72 | 0.82 | |
| 15 | KRN | IPU4 | 20 20 53.67 | | | | 153 | 4.2 | 202.0 | 33 | 30 | 31.71 | 31.11 | 0.60 | |
| 15 | GPR | IPU4 | 20 20 54.22 | | | | 148 | 4.2 | 205.2 | 51 | 30 | 32.26 | 31.53 | 0.73 | |
| 15 | TNP | IPD4 | 20 20 55.07 | | | | 157 | 4.3 | 213.5 | 4 | 30 | 33.11 | 32.60 | 0.51 | |
| 15 | SHHS | IPU4 | 20 20 56.31 | | | | | | 219.6 | 81 | 30 | 34.35 | 33.40 | 1.00 | |
| 15 | OCS | EPU | 20 20 56.80 | | | | | | 229.5 | 40 | 30 | 34.84 | 34.69 | 0.15 | |
| 15 | TPU | EPU | 20 20 57.10 | | | | | | 233.0 | 47 | 30 | 35.14 | 35.13 | 0.01 | |
| 15 | EPR | IPU4 | 20 20 58.40 | | | | 190 | 4.5 | 239.4 | 63 | 30 | 36.44 | 35.97 | 0.47 | |
| 15 | PRN | IPU4 | 20 29 1.21 | | | | 133 | 4.3 | 262.8 | 59 | 30 | 39.25 | 39.00 | 0.25 | |

| JAN M = 17 58 42.77 UTC | | | RMS = 0.13 | NO = 12 | | | | | | | | | | | FREE DEPTH SOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 LAT = 37.292 N | | | ERX = 0.4 | ERM = 0.6 | | | AVFM = 1.7 | | Q = C | | | | | | |
| LONG = 117.055 W | | | ERY = 0.5 | GAP = 140 | | | AVXM = | | QS = C | | | | | | MT. JACKSON |
| DEPTH = 4.78 KM | | | ERZ = 0.3 | NM = | | | | | QD = C | | | | | | |



9 0 8 1 4 0 2 1 7

90814002 17

| JAN 1988 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | PMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TMOS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN M = 8 34 1.37 UTC RMS = 0.06 NO = 8 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 24 LAT = 37.142 N ERX = 0.4 ERM = 0.6 AVFM = 1.8 Q = C | | | | | | | | | | | | | | | |
| LONG = 115.456 W ERY = 0.4 GAP = 123 AVXM = QS = B | | | | | | | | | | | | | | | ALAMO |
| DEPTH = 9.35 KM ERZ = 3.1 NM = QD = C | | | | | | | | | | | | | | | |
| 24 | EPR | IPU | 8 34 5.80 | | | | 31 | 2.2 | 24.8 | 88 | 109 | 4.45 | 4.45 | -0.02 | |
| 24 | GHR | EPD4 | 8 34 6.26 | | | | 13 | 1.5 | 33.8 | 304 | 103 | 4.89 | 6.00 | -1.11 | |
| 24 | PRN | IPU | 8 34 9.30 | | | | 13 | 1.5 | 45.1 | 53 | 100 | 7.93 | 7.80 | 0.13 | |
| 24 | GLR | EPD | 8 34 9.80 | | | | | | 50.8 | 275 | 99 | 8.43 | 8.58 | 0.08 | |
| 24 | TPU | EPD4 | 8 34 9.50 | | | | 16 | 1.7 | 52.0 | 341 | 99 | 8.13 | 8.91 | -0.77 | |
| 24 | HTI | IPU4 | 8 34 10.70 | | | | 16 | 1.7 | 59.4 | 16 | 98 | 9.33 | 10.09 | -0.56 | |
| 24 | CPX | IPU | 8 34 11.50 | | | | | | 59.5 | 244 | 97 | 10.13 | 10.11 | 0.02 | |
| 24 | SPRG | EPD | 8 34 11.65 | | | | | | 68.7 | 211 | 97 | 10.28 | 10.31 | -0.02 | |
| 24 | BLT | EPU4 | 8 34 12.60 | | | | | | 68.7 | 299 | 96 | 11.23 | 11.60 | -0.37 | |
| 24 | APN | EPU | 8 34 13.38 | | | | 16 | 1.8 | 71.3 | 40 | 96 | 12.01 | 12.01 | 0.01 | |
| 24 | LOP | EPD4 | 8 34 13.70 | | | | | | 71.9 | 242 | 96 | 12.33 | 12.12 | 0.21 | |
| 24 | EPN | EP | 8 34 14.42 | | | | 11 | 1.5 | 77.2 | 274 | 96 | 13.05 | 12.97 | 0.08 | VERY E |
| 24 | SRG | EPU | 8 34 15.80 | | | | 26 | 2.3 | 87.0 | 23 | 95 | 14.43 | 14.55 | -0.12 | |
| 24 | WRN | EPD4 | 8 34 16.36 | | | | 15 | 1.8 | 91.7 | 353 | 95 | 14.99 | 15.32 | -0.33 | |
| 24 | SDH | EP 4 | 8 34 17.80 | | | | | | 97.3 | 234 | 95 | 16.43 | 16.22 | 0.21 | VERY E |
| 24 | JCN | EP 4 | 8 34 18.20 | | | | | | 98.8 | 216 | 94 | 16.83 | 16.46 | 0.37 | VERY E |
| 24 | NPN | EPU4 | 8 34 22.30 | | | | | | 121.4 | 266 | 53 | 20.93 | 19.77 | 1.16 | |
| JAN M = 8 59 41.12 UTC RMS = 0.04 NO = 5 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 24 LAT = 37.132 N ERX = 0.5 ERM = 1.2 AVFM = 1.7 Q = C | | | | | | | | | | | | | | | |
| LONG = 115.505 W ERY = 1.1 GAP = 232 AVXM = QS = B | | | | | | | | | | | | | | | GADOM LAKE |
| DEPTH = 15.72 KM ERZ = 0.8 NM = QD = D | | | | | | | | | | | | | | | |
| 24 | EPR | IPU | 8 59 46.70 | | | | 24 | 2.0 | 28.6 | 82 | 117 | 5.50 | 5.55 | 0.03 | |
| 24 | GHR | IPD | 8 59 47.22 | | | | 12 | 1.4 | 32.6 | 314 | 114 | 6.10 | 6.14 | -0.04 | |
| 24 | PRN | IPD4 | 8 59 50.29 | | | | 9 | 1.2 | 50.6 | 53 | 106 | 9.17 | 8.90 | 0.27 | |
| 24 | TPU | EPD | 8 59 50.61 | | | | 15 | 1.7 | 50.1 | 246 | 105 | 9.49 | 9.48 | 0.05 | |
| 24 | HTI | EPD4 | 8 59 51.55 | | | | 15 | 1.7 | 62.9 | 19 | 103 | 10.43 | 10.99 | -0.56 | |
| 24 | NPN | EPU | 8 59 54.10 | | | | | | 76.6 | 41 | 101 | 12.98 | 13.02 | -0.04 | |
| 24 | SRG | EPD | 8 59 56.43 | | | | 25 | 2.2 | 91.8 | 25 | 53 | 15.31 | 15.31 | 0.00 | |
| JAN M = 11 40 11.18 UTC RMS = 0.01 NO = 5 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 25 LAT = 36.603 N ERX = 0.4 ERM = 0.5 AVFM = 0.9 Q = C | | | | | | | | | | | | | | | |
| LONG = 116.316 W ERY = 0.2 GAP = 204 AVXM = QS = A | | | | | | | | | | | | | | | LATHROP WELLS |
| DEPTH = 10.96 KM ERZ = 0.3 NM = QD = D | | | | | | | | | | | | | | | |
| 25 | SDH | IPU4 | 11 40 13.55 | | | | 7 | 0.8 | 5.1 | 338 | 153 | 2.37 | 2.15 | 0.22 | |
| | | ISU | 11 40 14.95 | | | | | | | | | 3.77 | 3.76 | 0.01 | |
| 25 | LSM | IPU | 11 40 14.50 | | | | 10 | 1.2 | 15.6 | 15 | 122 | 3.32 | 3.33 | -0.02 | |
| 25 | JOH | IPU | 11 40 16.08 | | | | 5 | 0.6 | 26.3 | 133 | 110 | 4.90 | 4.90 | -0.00 | |
| | | ESU | 11 40 19.75 | | | | | | | | | 8.57 | 8.57 | -0.01 | |
| 25 | LOP | EPU | 11 40 16.81 | | | | | | 30.9 | 25 | 107 | 5.63 | 5.61 | 0.02 | |
| JAN M = 3 7 10.79 UTC RMS = 0.09 NO = 10 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 26 LAT = 36.717 N ERX = 0.3 ERM = 0.5 AVFM = 1.6 Q = A | | | | | | | | | | | | | | | |
| LONG = 116.239 W ERY = 0.3 GAP = 65 AVXM = QS = A | | | | | | | | | | | | | | | LATHROP WELLS |
| DEPTH = 5.13 KM ERZ = 1.6 NM = QD = A | | | | | | | | | | | | | | | |
| 26 | LSM | IPU | 3 7 12.21 | | | | | | 3.8 | 310 | 138 | 1.42 | 1.24 | 0.18 | |
| 26 | SDH | IPD | 3 7 12.99 | | | | 14 | 1.5 | 11.9 | 228 | 108 | 2.20 | 2.38 | -0.17 | |
| 26 | LCP | IPD | 3 7 13.90 | | | | 25 | 2.0 | 16.5 | 23 | 103 | 3.11 | 3.10 | 0.02 | |
| 26 | SSP | IPU | 3 7 14.91 | | | | 26 | 2.0 | 23.2 | 4 | 99 | 4.12 | 4.16 | -0.04 | |
| | | ISD4 | 3 7 17.98 | | | | | | | | | 7.19 | 7.28 | -0.09 | |
| 26 | CPX | IPD | 3 7 15.69 | | | | 14 | 1.5 | 20.5 | 34 | 97 | 4.90 | 5.02 | -0.12 | |
| 26 | JCN | EPU | 3 7 16.61 | | | | 11 | 1.3 | 33.1 | 158 | 96 | 5.82 | 5.76 | 0.07 | |
| | | ISD4 | 3 7 20.95 | | | | | | | | | 10.16 | 10.08 | 0.09 | |
| 26 | BRO | EPU | 3 7 16.85 | | | | 11 | 1.3 | 34.9 | 278 | 96 | 6.06 | 6.06 | 0.00 | |
| | | ISU4 | 3 7 22.05 | | | | | | | | | 11.26 | 10.61 | 0.66 | |
| 26 | BGB | EPD | 3 7 16.95 | | | | 13 | 1.5 | 35.6 | 2 | 96 | 6.16 | 6.17 | 0.04 | |
| 26 | SPRG | IPU | 3 7 17.42 | | | | 13 | 1.5 | 38.4 | 94 | 95 | 6.63 | 6.63 | 0.00 | |
| 26 | APN | EP | 3 7 17.94 | | | | 10 | 1.3 | 41.2 | 211 | 95 | 7.15 | 7.08 | 0.07 | |
| 26 | NPN | EPD | 3 7 22.30 | | | | 19 | 1.9 | 65.6 | 308 | 93 | 11.51 | 11.03 | 0.48 | |
| 26 | TPU | IPU4 | 3 7 30.53 | | | | 17 | 2.0 | 111.6 | 26 | 92 | 19.74 | 18.51 | 1.23 | |
| 26 | HTI | EPD4 | 3 7 34.67 | | | | | | 136.7 | 39 | 53 | 23.88 | 22.18 | 1.91 | |
| JAN M = 3 27 52.12 UTC RMS = 0.06 NO = 5 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 26 LAT = 36.694 N ERX = 0.9 ERM = 1.5 AVFM = 1.5 Q = C | | | | | | | | | | | | | | | |
| LONG = 116.189 W ERY = 1.2 GAP = 112 AVXM = QS = B | | | | | | | | | | | | | | | ASH MEADOWS |
| DEPTH = 23.66 KM ERZ = 1.1 NM = QD = D | | | | | | | | | | | | | | | |



9081400218

LOCAL-EVENT DATA REPORT

| JAN 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LONG = 115.256 W<br>DEPTH = 12.29 KM | | | ERY = 0.3<br>ERZ = 1.6 | | GAP = 161<br>NM = | | | AVXM = | | QS = A<br>QD = C | | LAS VEGAS | | | |
| 30 | SHRG | IPU | 11 31 10.12 | | | | 26 | 2.0 | 9.3 | 76 | 141 | 2.65 | 2.70 | -0.01 | |
| 30 | APK | IPU | 11 31 13.63 | | | | | | 33.9 | 237 | 108 | 6.16 | 6.16 | 0.01 | |
| 30 | SPRG | EPUa | 11 31 16.40 | | | | 27 | 2.2 | 54.7 | 295 | 101 | 8.93 | 9.41 | -0.49 | |
| 30 | CPK | EPUa | 11 31 21.90 | | | | 22 | 2.1 | 87.8 | 305 | 97 | 14.43 | 14.61 | -0.18 | |
| 30 | NCP | EPU | 11 31 22.50 | | | | 16 | 1.9 | 89.7 | 244 | 97 | 15.03 | 15.05 | -0.02 | |
| | | ISDa | 11 31 33.31 | | | | | | | | | 25.84 | 26.33 | -0.49 | |
| 30 | LCP | IPD | 11 31 22.79 | | | | 32 | 2.5 | 91.2 | 297 | 97 | 15.32 | 15.28 | 0.03 | |
| 30 | LSM | IPD | 11 31 23.36 | | | | 62 | 3.0 | 95.2 | 287 | 96 | 15.89 | 15.93 | -0.04 | LONG CODA |
| 30 | SCM | IPD | 11 31 23.90 | | | | 24 | 2.2 | 98.5 | 280 | 96 | 16.51 | 16.46 | 0.05 | |
| 30 | SSP | IPU | 11 31 24.00 | | | | 35 | 2.6 | 98.9 | 300 | 96 | 16.53 | 16.53 | -0.01 | |
| 30 | CPN | IPDa | 11 31 28.87 | | | | | | 125.0 | 310 | 53 | 21.40 | 19.96 | 1.44 | |
| 30 | GNV | EPUa | 11 31 29.49 | | | | 27 | 2.5 | 131.3 | 255 | 53 | 22.02 | 20.77 | 1.15 | |
| 30 | NPN | EPUa | 11 31 33.35 | | | | 29 | 2.6 | 154.3 | 295 | 53 | 25.88 | 23.76 | 2.12 | |
| 30 | SGV | IPUa | 11 31 35.21 | | | | 26 | 2.5 | 168.0 | 289 | 53 | 27.74 | 25.54 | 2.20 | |

| JAN H = 14 26 32.66 UTC<br>30 LAT = 36.623 N<br>LONG = 116.281 W<br>DEPTH = 7.58 KM | | | RMS = 0.03<br>ERX = 1.0<br>ERY = 0.7<br>ERZ = 2.2 | NO = 5<br>ERM = 1.2<br>GAP = 217<br>NM = | | | AVFM = 1.4<br>AVXM = | | Q = C<br>QS = B<br>QD = D | | FREE DEPTH SOLUTION<br>LATHROP WELLS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | SDH | IPU | 14 26 34.48 | | | 9 | 1.1 | 5.7 | 296 | 140 | 1.74 | 1.74 | 0.01 | |
| 30 | LSM | IPU | 14 26 35.32 | | | 31 | 2.2 | 12.9 | 4 | 117 | 2.66 | 2.68 | -0.01 | |
| 30 | LOP | EP | 14 26 37.55 | | | 12 | 1.4 | 27.6 | 22 | 183 | 4.89 | 4.95 | -0.05 | |
| 30 | APR | EP a | 14 26 39.30 | | | | | 38.4 | 215 | 101 | 6.64 | 5.39 | 1.26 | VERY E |
| 30 | SSP | EP | 14 26 38.68 | | | 9 | 1.2 | 34.0 | 10 | 100 | 6.02 | 5.96 | 0.06 | VERY E |
| 30 | CPK | EP a | 14 26 37.43 | | | | | 39.3 | 30 | 99 | 4.77 | 6.82 | -2.05 | VERY E |
| 30 | SPNG | EP— | 14 26 40.05 | | | — | | 42.9 | 79 | 98 | 7.39 | 7.40 | -0.00 | VERY E |

| JAN H = 14 20 48.27 UTC<br>31 LAT = 37.279 N<br>LONG = 117.624 W<br>DEPTH = 0.96 KM | | | RMS = 0.10<br>ERX = 0.3<br>ERY = 0.2<br>ERZ = 5.8 | NO = 17<br>ERM = 0.3<br>GAP = 122<br>NM = | | | AVFM = 2.4<br>AVXM = | | Q = C<br>QS = C<br>QD = B | | FREE DEPTH SOLUTION<br>MAGRUDER MOUNTAIN | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | LCM | IP | 14 20 49.61 | | | 28 | 2.0 | 4.9 | 183 | 38 | 1.34 | 1.31 | 0.03 | |
| 31 | MGM | IP | 14 20 52.20 | | | 22 | 1.9 | 22.2 | 36 | 38 | 3.93 | 4.12 | -0.19 | |
| 31 | PPK | IPU | 14 20 53.36 | | | 23 | 2.0 | 24.5 | 305 | 38 | 5.09 | 5.13 | -0.04 | |
| 31 | GPN | IPUa | 14 20 55.26 | | | 42 | 2.5 | 34.2 | 86 | 38 | 6.99 | 6.06 | 0.93 | |
| 31 | SVP | IP | 14 20 57.16 | | | 26 | 2.1 | 50.3 | 344 | 38 | 8.89 | 8.69 | 0.05 | |
| 31 | MZP | IPD | 14 20 57.11 | | | 17 | 1.8 | 52.2 | 26 | 38 | 8.84 | 8.99 | 0.04 | |
| 31 | SGV | IPU | 14 20 58.90 | | | 32 | 2.4 | 63.6 | 121 | 38 | 10.63 | 10.85 | -0.23 | |
| 31 | NPN | IPD | 14 21 1.15 | | | 35 | 2.5 | 76.5 | 127 | 38 | 12.88 | 12.95 | -0.07 | |
| 31 | CTS | EPU | 14 21 3.60 | | | 18 | 2.0 | 90.5 | 64 | 38 | 15.33 | 15.23 | 0.10 | |
| 31 | TNP | IPD | 14 21 4.70 | | | 34 | 2.5 | 96.7 | 23 | 38 | 16.43 | 16.23 | 0.20 | |
| 31 | FMT | EPDa | 14 21 5.35 | | | 26 | 2.3 | 104.7 | 133 | 38 | 17.08 | 17.53 | -0.36 | |
| 31 | BRD | IPD | 14 21 6.10 | | | 28 | 2.3 | 107.3 | 122 | 38 | 17.83 | 17.95 | -0.12 | |
| 31 | EPN | EPD | 14 21 8.18 | | | | | 117.4 | 94 | 38 | 19.91 | 19.60 | 0.31 | |
| 31 | HRN | EP a | 14 21 9.55 | | | 37 | 2.7 | 125.1 | 68 | 38 | 21.28 | 20.85 | 0.43 | |
| 31 | BCB | EPU | 14 21 9.54 | | | 33 | 2.6 | 128.6 | 102 | 38 | 21.27 | 21.41 | -0.09 | |
| 31 | BLT | EPU | 14 21 10.85 | | | 26 | 2.4 | 135.1 | 81 | 30 | 22.59 | 22.47 | 0.10 | |
| 31 | LSM | EP | 14 21 10.75 | | | 49 | 3.6 | 136.1 | 116 | 30 | 22.48 | 22.59 | -0.11 | |
| 31 | LCP | EP | 14 21 11.60 | | | 34 | 2.7 | 139.5 | 110 | 30 | 23.33 | 23.04 | 0.29 | |
| 31 | APR | EPD | 14 21 12.05 | | | 23 | 2.4 | 143.1 | 133 | 30 | 23.78 | 23.50 | 0.27 | |
| 31 | GLR | EPU | 14 21 12.20 | | | 27 | 2.5 | 144.7 | 94 | 30 | 23.93 | 23.71 | 0.37 | |
| 31 | OCS | EPDa | 14 21 15.55 | | | 23 | 2.4 | 162.1 | 70 | 30 | 27.28 | 25.98 | 1.30 | |
| 31 | GPR | EPUa | 14 21 15.42 | | | | | 164.2 | 88 | 30 | 27.65 | 26.50 | 1.15 | |
| 31 | TPU | EPDa | 14 21 18.07 | | | 33 | 2.8 | 180.3 | 78 | 30 | 29.80 | 28.34 | 1.46 | |

| FEB H = 15 47 49.59 UTC<br>01 LAT = 37.569 N<br>LONG = 117.890 W<br>DEPTH = 1.60 KM | | | RMS = 0.13<br>ERX = 2.1<br>ERY = 0.8<br>ERZ = 3.2 | NO = 5<br>ERM = 2.2<br>GAP = 200<br>NM = | | | AVFM = 1.0<br>AVXM = | | Q = C<br>QS = B<br>QD = D | | FREE DEPTH SOLUTION<br>SILVER PEAK | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | PPK | IPD | 15 47 52.55 | | | 8 | 1.0 | 15.9 | 186 | 38 | 2.96 | 2.95 | 0.01 | |
| 01 | SVP | IPU | 15 47 53.00 | | | 10 | 1.2 | 18.0 | 26 | 38 | 3.41 | 3.29 | -0.03 | |
| | | ISU | 15 47 55.50 | | | | | | | | 5.91 | 6.02 | -0.11 | |
| 01 | MGM | IPUa | 15 47 56.12 | | | 6 | 0.8 | 37.6 | 112 | 38 | 6.53 | 6.47 | 0.06 | |
| | | ISU | 15 48 0.46 | | | | | | | | 11.27 | 11.33 | -0.06 | |
| 01 | LCM | EP a | 15 47 58.15 | | | 7 | 1.0 | 42.9 | 150 | 38 | 8.56 | 7.34 | 1.23 | VERY E |
| 01 | MZP | EP a | 15 47 57.70 | | | | | 47.1 | 72 | 38 | 8.11 | 8.02 | 0.28 | |
| | | ISD | 15 48 3.65 | | | | | | | | 14.06 | 13.70 | 0.36 | |
| 01 | NPN | EPUa | 15 48 8.61 | | | | | 109.6 | 120 | 38 | 19.02 | 18.15 | 0.87 | |

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | RMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | NPN | IPD | 16 21 30.00 | | | | 33 | 2.4 | 67.0 | 319 | 90 | 11.37 | 11.24 | 0.08 | |
| 04 | GLR | EPD | 16 21 30.10 | | | | | | 69.4 | 23 | 90 | 11.42 | 11.64 | -0.07 | |
| 04 | PGL | EPU4 | 16 21 30.30 | | | | 17 | 1.8 | 73.0 | 245 | 90 | 11.62 | 12.22 | -0.60 | |
| 04 | SCV | IPU | 16 21 31.25 | | | | | | 76.8 | 302 | 90 | 12.57 | 12.45 | 0.12 | |
| 04 | OSM | EPD | 16 21 33.40 | | | | 18 | 1.9 | 87.9 | 216 | 90 | 14.72 | 14.64 | 0.08 | VERY E |
| 04 | GPR | EPD | 16 21 34.45 | | | | 31 | 2.4 | 92.9 | 12 | 90 | 15.77 | 15.46 | 0.31 | |
| 04 | TPO | EPD | 16 21 35.16 | | | | 22 | 2.2 | 98.7 | 282 | 90 | 16.48 | 16.41 | 0.07 | |
| 04 | GVN | IPD | 16 21 35.69 | | | | 29 | 2.4 | 99.9 | 295 | 90 | 17.01 | 16.59 | 0.42 | |

FEB H = 4 36 15.08 UTC RMS = 0.12 NO = 5 FREE DEPTH SOLUTION
05 LAT = 37.076 N ERX = 0.7 ERM = 1.2 AVFM = 1.2 Q = C
LONG = 116.198 W ERY = 0.9 GAP = 93 AVXM = QS = B SILENT CANYON - YUCCA FLAT
DEPTH = 7.89 KM ERZ = 3.2 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 | BGB | IPD | 4 36 16.63 | | | | 16 | 1.4 | 4.9 | 213 | 146 | 1.55 | 1.70 | -0.10 | |
| 05 | EPN | IPD | 4 36 18.55 | | | | | | 19.1 | 324 | 109 | 3.47 | 3.63 | -0.16 | |
| 05 | CPX | EPD | 4 36 18.92 | | | | | | 20.4 | 142 | 108 | 3.84 | 3.82 | 0.01 | |
| 05 | GLR | EPU4 | 4 36 18.68 | | | | | | 21.2 | 49 | 107 | 3.60 | 3.95 | -0.20 | |
| | | ESU | 4 36 21.05 | | | | | | | | | 6.77 | 6.65 | 0.12 | |
| 05 | LCP | EP 4 | 4 36 20.00 | | | | 9 | 1.1 | 24.6 | 174 | 105 | 4.92 | 4.48 | 0.44 | |
| 05 | BLT | EP 3 | 4 36 23.70 | | | | | | 43.3 | 7 | 98 | 8.62 | 7.47 | 1.15 | VERY E |
| 05 | GPR | EP 4 | 4 36 24.18 | | | | 7 | 1.0 | 47.6 | 53 | 98 | 9.10 | 8.15 | 0.94 | |
| 05 | TPK | IPU4 | 4 36 25.11 | | | | | | 58.0 | 292 | 96 | 10.03 | 9.84 | 0.19 | |
| | | ESU | 4 36 32.46 | | | | | | | | | 17.38 | 17.22 | 0.16 | |

FEB H = 5 56 15.97 UTC RMS = 0.01 NO = 5 FREE DEPTH SOLUTION
06 LAT = 37.184 N ERX = 0.1 ERM = 0.2 AVFM = 1.2 Q = C
LONG = 116.579 W ERY = 0.2 GAP = 146 AVXM = QS = A THIRSTY CANYON
DEPTH = 10.02 KM ERZ = 1.1 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | TPK | IPU | 5 56 20.19 | | | | 11 | 1.3 | 22.1 | 295 | 112 | 4.22 | 4.21 | 0.01 | |
| 06 | EPN | IPU | 5 56 20.30 | | | | | | 22.9 | 81 | 111 | 4.33 | 4.33 | 0.00 | NOISE |
| 06 | NPN | IPU | 5 56 20.48 | | | | 10 | 1.2 | 24.1 | 242 | 110 | 4.51 | 4.52 | -0.01 | |
| 06 | BGB | EPU4 | 5 56 22.02 | | | | | | 35.1 | 117 | 104 | 6.05 | 6.23 | -0.13 | |
| 06 | BSP | EP 4 | 5 56 23.80 | | | | 7 | 1.0 | 43.0 | 132 | 101 | 7.83 | 7.48 | 0.35 | |
| 06 | LCP | EPD | 5 56 24.43 | | | | 9 | 1.2 | 51.7 | 135 | 99 | 8.46 | 8.87 | -0.02 | |
| 06 | LSM | EP | 5 56 25.61 | | | | | | 56.4 | 151 | 99 | 9.64 | 9.62 | 0.02 | VERY E |

FEB H = 6 49 16.34 UTC RMS = 0.00 NO = 5 FREE DEPTH SOLUTION
06 LAT = 37.190 N ERX = 0.1 ERM = 0.1 AVFM = 0.8 Q = C
LONG = 116.612 W ERY = 0.1 GAP = 196 AVXM = QS = A THIRSTY CANYON
DEPTH = 20.65 KM ERZ = 0.2 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | TPK | IPU | 6 49 21.13 | | | | 5 | 0.6 | 19.2 | 297 | 136 | 4.79 | 4.79 | 0.00 | |
| | | ISU4 | 6 49 24.33 | | | | | | | | | 7.99 | 8.38 | -0.39 | |
| 06 | NPN | IPU | 6 49 21.46 | | | | 7 | 0.9 | 22.0 | 257 | 132 | 5.12 | 5.12 | 0.00 | |
| | | ISU | 6 49 25.29 | | | | | | | | | 8.95 | 8.95 | -0.00 | |
| 06 | EPN | IPD4 | 6 49 24.69 | | | | | | 25.7 | 84 | 127 | 8.15 | 5.58 | 2.57 | |
| 06 | BGB | EPU4 | 6 49 23.05 | | | | | | 38.1 | 116 | 117 | 6.71 | 7.29 | -0.53 | |
| 06 | LCP | EP | 6 49 26.86 | | | | 7 | 1.0 | 54.3 | 133 | 110 | 9.72 | 9.72 | 0.00 | |
| 06 | LSM | EP | 6 49 26.69 | | | | | | 59.5 | 149 | 108 | 10.35 | 10.36 | -0.00 | |

FEB H = 9 0 55.46 UTC RMS = 0.23 NO = 12 FREE DEPTH SOLUTION
06 LAT = 36.655 N ERX = 0.5 ERM = 0.8 AVFM = 1.8 Q = B
LONG = 116.289 W ERY = 0.6 GAP = 130 AVXM = QS = B LATHROP WELLS
DEPTH = 0.64 KM ERZ = 1.6 NM = QD = B

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | SOM | IPU | 9 0 55.81 | | | | 10 | 1.7 | 4.5 | 256 | 98 | 0.35 | 1.21 | -0.86 | |
| 06 | LSM | IPD | 9 0 57.42 | | | | | | 9.4 | 9 | 38 | 1.96 | 2.10 | -0.14 | |
| 06 | LOP | IPU | 9 1 0.23 | | | | 24 | 2.0 | 24.6 | 26 | 38 | 4.77 | 4.57 | 0.20 | |
| 06 | BSP | IPU | 9 1 0.95 | | | | | | 30.6 | 12 | 38 | 5.49 | 5.54 | -0.06 | |
| 06 | ARO | IPU4 | 9 1 0.20 | | | | 17 | 1.7 | 32.3 | 292 | 38 | 4.74 | 5.83 | -1.09 | |
| 06 | APR | EPD4 | 9 0 59.90 | | | | 13 | 1.5 | 33.1 | 210 | 38 | 4.44 | 5.95 | -1.51 | |
| 06 | CPX | IPU | 9 1 2.05 | | | | | | 36.7 | 34 | 38 | 6.59 | 6.53 | 0.05 | |
| 06 | BGB | IPD | 9 1 2.94 | | | | 21 | 1.9 | 42.8 | 7 | 38 | 7.48 | 7.53 | -0.00 | |
| 06 | SPRG | IPD | 9 1 3.00 | | | | | | 43.1 | 84 | 38 | 7.54 | 7.58 | -0.04 | |
| 06 | GWV | EP 4 | 9 1 6.95 | | | | 14 | 1.6 | 62.3 | 213 | 39 | 11.49 | 10.70 | 0.69 | |
| 06 | GLR | EPD | 9 1 6.90 | | | | | | 65.8 | 22 | 38 | 11.44 | 11.15 | 0.44 | |
| 06 | NPN | EP | 9 1 6.81 | | | | | | 66.7 | 315 | 38 | 11.35 | 11.42 | -0.08 | |
| 06 | TPK | IPU | 9 1 9.29 | | | | | | 82.1 | 326 | 38 | 13.83 | 13.92 | -0.09 | |
| 06 | GPR | EPD4 | 9 1 11.36 | | | | 20 | 2.0 | 88.3 | 31 | 38 | 15.90 | 14.93 | 0.97 | |
| 06 | OSM | EPU | 9 1 11.30 | | | | | | 92.6 | 214 | 38 | 15.84 | 15.62 | 0.22 | |
| 06 | GVN | EP | 9 1 12.09 | | | | | | 101.6 | 292 | 38 | 16.63 | 17.09 | -0.46 | |
| 06 | TPU | EPU4 | 9 1 16.72 | | | | 20 | 2.2 | 119.8 | 28 | 38 | 21.26 | 20.04 | 1.21 | |
| 06 | PPN | EPU4 | 9 1 19.72 | | | | | | 138.3 | 53 | 30 | 24.26 | 22.96 | 1.30 | |

| | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SMAG | QUA | FMAG | DIST (NM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | LCH | EP | 2 52 58.29 | | | | 9 | 1.2 | 33.3 | 262 | 102 | 5.95 | 5.89 | 0.06 | |
| 20 | NPN | EP | 2 53 0.15 | | | | | | 44.0 | 118 | 99 | 7.41 | 7.43 | -0.11 | |
| | | ISD | 2 53 6.30 | | | | | | | | | 13.46 | 13.87 | 0.09 | |
| 20 | MZP | EPUG | 2 53 7.09 | | | | | | 68.0 | 349 | 99 | 14.75 | 8.25 | 6.78 | |
| 20 | GLR | EPDG | 2 53 11.45 | | | | | | 112.0 | 94 | 94 | 19.51 | 18.60 | 1.07 | |

FEB M = 4 44 18.52 UTC RMS = 0.08 NO = 6 — FREE DEPTH SOLUTION
21 LAT = 36.924 N ERX = 0.8 ERM = 1.1 AVFM = 2.0 Q = D
LONG = 117.751 W ERY = 0.7 GAP = 220 AVXM = QS = C — DRY MOUNTAIN
DEPTH = 17.68 KM ERZ = 5.5 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | TMO | EPD | 4 44 24.81 | | | 23 | 2.0 | 33.2 | 111 | 116 | 6.29 | 6.37 | -0.08 | |
| 21 | LCH | EP 4 | 4 44 23.99 | | | 19 | 1.8 | 35.7 | 15 | 115 | 5.47 | 6.73 | -1.26 | |
| 21 | GVN | EPUG | 4 44 25.15 | | | 22 | 1.9 | 37.3 | 77 | 114 | 6.63 | 6.97 | -0.34 | |
| 21 | MCA | EPD | 4 44 27.75 | | | 21 | 2.0 | 51.9 | 126 | 108 | 9.23 | 9.19 | 0.04 | |
| 21 | PPK | EP | 4 44 28.68 | | | 14 | 1.6 | 57.5 | 346 | 106 | 10.16 | 10.06 | 0.10 | |
| 21 | MGM | EPU | 4 44 29.16 | | | | | 61.7 | 21 | 105 | 10.64 | 10.72 | -0.08 | |
| 21 | SGV | EPU | 4 44 29.60 | | | 19 | 1.9 | 64.3 | 84 | 104 | 11.08 | 11.12 | -0.04 | |
| | | ES | 4 44 38.05 | | | | | | | | 19.53 | 19.47 | 0.06 | |
| 21 | NPN | EPUG | 4 44 33.27 | | | 16 | 1.8 | 84.8 | 78 | 53 | 14.75 | 14.20 | 0.55 | |
| 21 | BRO | EPDG | 4 44 36.23 | | | 15 | 1.8 | 102.0 | 100 | 53 | 17.71 | 16.44 | 1.27 | |
| 21 | BSM | EPDG | 4 44 41.95 | | | 22 | 2.3 | 132.5 | 143 | 53 | 23.43 | 20.40 | 3.03 | |
| 21 | BGB | EPDG | 4 44 40.95 | | | 24 | 2.4 | 136.2 | 85 | 53 | 22.43 | 20.87 | 1.61 | |
| 21 | SPRG | EPDG | 4 44 48.56 | | | | | 175.1 | 98 | 53 | 30.04 | 25.93 | 4.11 | |

FEB M = 4 52 0.85 UTC RMS = 0.03 NO = 5 — FREE DEPTH SOLUTION
21 LAT = 36.926 N ERX = 4.6 ERM = 4.7 AVFM = 1.6 Q = D
LONG = 117.717 W ERY = 1.0 GAP = 307 AVXM = QS = C — DRY MOUNTAIN
DEPTH = 1.58 KM ERZ = 3.7 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | TMO | EPU | 4 52 6.16 | | | 18 | 1.7 | 30.5 | 115 | 38 | 5.31 | 5.34 | -0.03 | |
| 21 | GVN | EPU | 4 52 6.02 | | | 15 | 1.6 | 34.5 | 75 | 38 | 5.97 | 5.96 | -0.01 | |
| 21 | LCH | EPDG | 4 52 5.54 | | | 15 | 1.6 | 35.1 | 10 | 38 | 4.69 | 6.08 | -1.39 | |
| 21 | MCA | EPD | 4 52 9.30 | | | 18 | 1.6 | 49.5 | 128 | 38 | 8.65 | 8.63 | 0.02 | |
| 21 | PPK | EP 4 | 4 52 9.56 | | | 10 | 1.3 | 50.3 | 343 | 38 | 8.71 | 9.85 | -1.14 | |
| 21 | SGV | EPU | 4 52 11.24 | | | 13 | 1.6 | 61.3 | 84 | 38 | 10.39 | 10.35 | 0.04 | |
| | | ES | 4 52 18.95 | | | | | | | | 18.10 | 18.11 | -0.01 | |
| 21 | NPN | EP 4 | 4 52 25.22 | | | | | 81.9 | 78 | 38 | 20.37 | 13.70 | 10.67 | |
| 21 | BRO | EPDG | 4 52 17.75 | | | 14 | 1.3 | 99.1 | 100 | 38 | 16.90 | 16.49 | 0.41 | |
| 21 | BGB | EPDG | 4 52 23.30 | | | | | 133.2 | 85 | 38 | 22.45 | 22.04 | 0.46 | |

FEB M = 3 37 52.71 UTC RMS = 0.10 NO = 6 — FREE DEPTH SOLUTION
22 LAT = 37.378 N ERX = 0.5 ERM = 1.0 AVFM = 1.9 Q = C
LONG = 115.65[illegible] W ERY = 0.9 GAP = 152 AVXM = QS = B — GROOM LAKE
DEPTH = 10.45 KM ERZ = 2.0 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | GMR | IPUG | 3 37 54.70 | | | 30 | 2.1 | 11.6 | 245 | 129 | 1.99 | 2.75 | -0.76 | |
| 22 | GLR | IPD | 3 37 59.37 | | | 10 | 1.3 | 38.0 | 238 | 103 | 6.66 | 6.70 | 0.12 | |
| 22 | BLT | EPD | 3 38 0.23 | | | | | 43.7 | 282 | 102 | 7.52 | 7.60 | -0.08 | |
| 22 | MTI | IPUG | 3 38 0.19 | | | 22 | 2.0 | 47.2 | 45 | 101 | 7.48 | 8.16 | -0.48 | |
| | | ISD | 3 38 6.70 | | | | | | | | 13.99 | 13.92 | 0.07 | |
| 22 | EPR | EPUG | 3 38 0.51 | | | 19 | 1.9 | 47.4 | 119 | 101 | 7.80 | 8.19 | -0.39 | |
| 22 | PRN | IPU | 3 38 1.70 | | | 21 | 2.0 | 53.5 | 87 | 100 | 8.99 | 9.16 | -0.17 | |
| | | ISU | 3 38 8.70 | | | | | | | | 15.99 | 16.03 | -0.04 | |
| 22 | CPX | EPUG | 3 38 2.97 | | | | | 61.5 | 216 | 98 | 10.26 | 10.46 | -0.20 | |
| 22 | EPN | IPUG | 3 38 3.68 | | | | | 62.2 | 253 | 98 | 10.97 | 10.57 | 0.40 | |
| 22 | BGB | EP 4 | 3 38 2.70 | | | 20 | 2.0 | 63.5 | 234 | 98 | 9.99 | 10.78 | -0.74 | |
| | | ESDG | 3 38 11.62 | | | | | | | | 18.91 | 18.78 | 0.13 | |
| 22 | NPN | EPUG | 3 38 6.15 | | | 25 | 2.2 | 70.2 | 64 | 97 | 13.44 | 11.86 | 1.58 | |
| 22 | LOP | EP 4 | 3 38 5.64 | | | 16 | 1.8 | 74.0 | 218 | 97 | 12.93 | 12.47 | 0.46 | |
| 22 | NPN | EPD | 3 38 10.89 | | | 18 | 2.0 | 108.6 | 252 | 53 | 18.18 | 18.01 | 0.18 | |

FEB M = 5 56 24.61 UTC RMS = 0.03 NO = 5 — FREE DEPTH SOLUTION
24 LAT = 36.472 N ERX = 0.5 ERM = 0.6 AVFM = 0.7 Q = B
LONG = 116.454 W ERY = 0.3 GAP = 177 AVXM = QS = A — ASH MEADOWS
DEPTH = 0.48 KM ERZ = 0.5 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | AMM | EPD | 5 56 26.80 | | | 7 | 0.8 | 8.4 | 192 | 134 | 2.19 | 2.21 | -0.02 | |
| | | ISU | 5 56 24.46 | | | | | | | | 3.85 | 3.86 | -0.01 | |
| 24 | SDM | EP 4 | 5 56 28.44 | | | 5 | 0.6 | 21.9 | 28 | 109 | 3.83 | 4.12 | -0.29 | |
| | | ISU | 5 56 31.85 | | | | | | | | 7.24 | 7.20 | 0.04 | |
| 24 | LSM | EPD | 5 56 30.52 | | | | | 33.9 | 29 | 103 | 5.91 | 5.99 | -0.08 | |
| | | ESDG | 5 56 35.61 | | | | | | | | 11.20 | 10.48 | 0.72 | |
| 24 | GNV | EP 4 | 5 56 36.95 | | | | | 37.1 | 212 | 101 | 11.44 | 6.51 | 4.83 | VERY E |
| | | ES | 5 56 36.20 | | | | | | | | 11.59 | 11.56 | 0.02 | |

LOCAL-EQUAL DATA PRINT

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIM (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | PPK | EP 4 | 19 3 59.87 | | | | 12 | 1.5 | 69.1 | 293 | 95 | 11.70 | 11.63 | 0.08 | |
| 28 | PPT | IPU4 | 19 3 59.70 | | | | 23 | 2.1 | 70.4 | 149 | 95 | 11.53 | 11.84 | -0.21 | |
| 28 | SVP | EPD4 | 19 4 1.70 | | | | | | 80.2 | 318 | 94 | 13.53 | 13.42 | -0.04 | |
| 28 | BGB | IPD4 | 19 4 2.95 | | | | | | 87.1 | 101 | 94 | 14.78 | 14.54 | 0.29 | NOISE |
| 28 | PGE | EPD | 19 4 3.70 | | | | 17 | 1.9 | 93.0 | 173 | 93 | 15.53 | 15.51 | 0.02 | |
| 28 | GPR | EPD4 | 19 4 9.55 | | | | 27 | 2.4 | 127.0 | 82 | 53 | 21.38 | 20.71 | 0.67 | |

MAR H = 7 36 12.56 UTC RMS = 0.04 NO = 5 — FREE DEPTH SOLUTION
01 LAT = 37.256 N ERX = 0.5 ERM = 0.7 AVFM = 1.6 Q = D
LONG = 115.622 W ERY = 0.5 GAP = 134 AVXM = QS = C — GROOM LAKE
DEPTH = 8.70 KM ERZ = 10.5 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | GPR | IPU4 | 7 36 15.24 | | | | | | 15.8 | 303 | 115 | 2.66 | 3.18 | -0.50 | |
| 01 | GLN | EPD | 7 36 18.70 | | | | | | 35.7 | 260 | 101 | 6.18 | 6.27 | 0.02 | |
| 01 | EPR | EPU4 | 7 36 19.12 | | | | | | 39.8 | 104 | 100 | 6.56 | 6.93 | -0.37 | |
| 01 | CPX | EP 4 | 7 36 21.88 | | | | | | 53.1 | 227 | 98 | 9.32 | 9.07 | 0.25 | |
| 01 | PRN | EPD | 7 36 21.65 | | | | 16 | 1.7 | 53.4 | 72 | 98 | 9.09 | 9.12 | -0.03 | |
| 01 | MTI | EP | 7 36 21.92 | | | | 18 | 1.3 | 56.0 | 33 | 97 | 9.36 | 9.53 | 0.03 | |
| 01 | BGB | EP | 7 36 22.65 | | | | 14 | 1.6 | 59.0 | 246 | 97 | 9.89 | 10.02 | -0.08 | |
| 01 | SPRG | EP | 7 36 23.50 | | | | | | 64.5 | 195 | 96 | 10.94 | 10.91 | 0.03 | |
| 01 | LOP | EPU4 | 7 36 25.17 | | | | | | 65.9 | 227 | 96 | 12.61 | 11.12 | 1.48 | |
| 01 | BMT | EP 4 | 7 36 29.80 | | | | | | 80.9 | 272 | 95 | 16.44 | 13.96 | 2.48 | |

MAR H = 3 18 50.52 UTC RMS = 0.00 NO = 5 — FREE DEPTH SOLUTION
03 LAT = 37.520 N ERX = 0.1 ERM = 0.1 AVFM = 0.9 Q = C
LONG = 117.730 W ERY = 0.0 GAP = 180 AVXM = QS = A — SILVER PEAK
DEPTH = -8.66 KM ERZ = 0.0 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | PPK | EPD | 3 18 54.05 | | | | 6 | 0.7 | 18.2 | 235 | 112 | 3.53 | 3.53 | -0.01 | |
| | | ISD | 3 18 56.71 | | | | | | | | | 6.19 | 6.18 | 0.00 | |
| 03 | SVP | IPU | 3 18 54.05 | | | | 12 | 1.4 | 22.4 | 346 | 108 | 4.33 | 4.17 | 0.01 | |
| | | ES | 3 18 58.08 | | | | | | | | | 7.56 | 7.56 | -0.00 | |
| 03 | MGM | IPU4 | 3 18 54.38 | | | | 4 | 0.4 | 23.1 | 112 | 108 | 3.86 | 4.28 | -0.43 | |
| 03 | LCM | EP | 3 18 56.31 | | | | 7 | 0.9 | 32.7 | 164 | 103 | 5.79 | 5.79 | -0.00 | |
| | | ESD4 | 3 18 0.10 | | | | | | | | | -50.42 | 10.13 | -60.55 | |
| 03 | HMN | EP 4 | 3 19 7.07 | | | | | | 95.0 | 121 | 94 | 16.55 | 15.85 | 0.70 | |

MAR H = 16 59 55.12 UTC RMS = 0.09 NO = 12 — FREE DEPTH SOLUTION
03 LAT = 37.500 N ERX = 0.3 ERM = 0.7 AVFM = 1.9 Q = C
LONG = 116.539 W ERY = 0.7 GAP = 85 AVXM = QS = C — STINKING SPRING
DEPTH = 7.36 KM ERZ = 6.2 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | CTS | IPD | 16 59 59.24 | | | | 13 | 1.4 | 22.6 | 313 | 105 | 4.12 | 4.15 | -0.04 | NOISE |
| 03 | KRN | IPU | 16 60 0.39 | | | | | | 29.1 | 38 | 102 | 5.27 | 5.18 | 0.09 | NOISE |
| 03 | BLT | EPU | 16 60 1.21 | | | | 17 | 1.7 | 36.0 | 97 | 99 | 6.09 | 6.28 | -0.19 | NOISE |
| 03 | HMN | EP | 16 60 4.09 | | | | 25 | 2.1 | 52.7 | 208 | 96 | 5.97 | 8.98 | -0.01 | |
| 03 | BGB | EPD | 16 60 5.04 | | | | 17 | 1.8 | 58.3 | 152 | 96 | 9.92 | 9.87 | 0.09 | |
| 03 | GVN | EP | 16 60 6.40 | | | | 10 | 1.4 | 67.6 | 251 | 95 | 11.28 | 11.38 | -0.11 | |
| 03 | GPR | EPU | 16 60 6.84 | | | | 20 | 2.0 | 70.4 | 105 | 95 | 11.72 | 11.84 | -0.13 | |
| 03 | SGV | EP | 16 60 7.30 | | | | 22 | 2.1 | 72.4 | 217 | 95 | 12.18 | 12.16 | 0.01 | |
| 03 | MGM | EP 4 | 16 60 9.05 | | | | 16 | 1.8 | 84.9 | 266 | 94 | 13.93 | 14.20 | -0.27 | |
| 03 | GVN | EP | 16 60 10.14 | | | | 23 | 2.2 | 90.2 | 232 | 94 | 15.02 | 15.06 | -0.04 | |
| 03 | FMT | EPD | 16 60 11.42 | | | | 21 | 2.1 | 97.9 | 193 | 93 | 16.30 | 16.30 | 0.10 | |
| 03 | LCM | EP | 16 60 12.35 | | | | 14 | 1.8 | 102.5 | 253 | 93 | 17.23 | 17.05 | 0.18 | |
| 03 | TPD | EPU4 | 16 60 13.55 | | | | 20 | 2.1 | 109.1 | 225 | 93 | 18.43 | 18.12 | 0.30 | |
| 03 | SVP | EP 4 | 16 60 14.75 | | | | 18 | 2.0 | 114.0 | 282 | 93 | 19.63 | 18.91 | 0.56 | |
| 03 | MCA | EP | 16 60 14.30 | | | | 20 | 2.1 | 115.3 | 215 | 93 | 19.18 | 19.13 | 0.05 | |
| 03 | PPK | EP 4 | 16 60 16.19 | | | | | | 121.3 | 266 | 53 | 21.07 | 19.95 | 1.12 | |

MAR H = 7 45 28.85 UTC RMS = 0.05 NO = 10 — FREE DEPTH SOLUTION
06 LAT = 35.720 N ERX = 1.0 ERM = 2.8 AVFM = Q = D
LONG = 117.146 W ERY = 2.6 GAP = 201 AVXM = QS = C — SEARLES LAKE
DEPTH = 1.93 KM ERZ = 1.0 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | USH | IPD | 7 45 35.22 | | | | | | 37.1 | 43 | 90 | 6.37 | 6.38 | -0.01 | |
| 06 | GRV | IPD | 7 45 40.19 | | | | | | 67.2 | 40 | 90 | 11.34 | 11.28 | -0.04 | |
| 06 | PGE | IPD | 7 45 40.58 | | | | | | 70.1 | 6 | 90 | 11.73 | 11.76 | -0.03 | |
| 06 | APN | IPU4 | 7 45 45.10 | | | | | | 96.5 | 39 | 90 | 14.25 | 14.05 | 0.20 | |
| 06 | NOP | EPU4 | 7 45 44.92 | | | | | | 100.5 | 63 | 90 | 16.07 | 16.69 | -0.62 | |
| 06 | MCA | IPD | 7 45 46.05 | | | | | | 103.7 | 353 | 90 | 17.20 | 17.21 | -0.01 | |
| 06 | FMT | EPD | 7 45 46.65 | | | | | | 107.3 | 18 | 90 | 17.60 | 17.79 | 0.11 | |
| 06 | TPD | IPD4 | 7 45 48.85 | | | | | | 122.7 | 349 | 90 | 20.00 | 20.30 | -0.30 | |
| 06 | SCM | IPU4 | 7 45 50.55 | | | | | | 125.8 | 35 | 90 | 21.70 | 20.81 | 0.89 | |
| 06 | SGV | EPU4 | 7 45 51.69 | | | | | | 180.3 | 4 | 53 | 22.84 | 22.95 | -0.11 | |



9 0 8 1 4 0 2 2 2

LOCAL-LEVEL DATA (PM)

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | JCN | IPU4 | 1 34 25.86 | | | | 18 | 1.2 | 32.4 | 110 | 108 | 4.96 | 5.88 | -0.92 | |
| 14 | CDM1 | IPU | 1 34 27.60 | | | | 29 | 2.2 | 37.2 | 17 | 106 | 6.10 | 6.62 | 0.07 | |
| | | ISU | 1 34 33.71 | | | | | | | | | 12.81 | 11.59 | 1.22 | |
| 14 | CDM5 | IPU | 1 34 27.62 | | | | 18 | 1.6 | 37.2 | 17 | 106 | 6.72 | 6.62 | 0.09 | |
| | | ESD | 1 34 32.58 | | | | | | | | | 11.66 | 11.59 | 0.09 | |
| 14 | LOP | EPD | 1 34 28.29 | | | | 13 | 1.5 | 42.6 | 35 | 104 | 7.39 | 7.47 | -0.09 | |
| 14 | BGB | EPD | 1 34 31.15 | | | | | | 58.4 | 19 | 100 | 10.25 | 9.99 | 0.31 | |

MAR M = 11 12 39.75 UTC RMS = 0.08 NO = 8 — FREE DEPTH SOLUTION
14 LAT = 37.198 N ERX = 0.3 ERM = 0.5 AVFM = 1.9 Q = B
LONG = 116.678 W ERY = 0.3 GAP = 108 AVXM = QS = B — THIRSTY CANYON
DEPTH = 17.22 KM ERZ = 2.5 NM = QD = A

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | EPM | IPD | 11 12 46.30 | | | | | | 31.2 | 85 | 117 | 6.55 | 6.04 | 0.51 | |
| 14 | BGB | EPU | 11 12 47.55 | | | | | | 43.1 | 113 | 110 | 7.80 | 7.81 | 0.08 | |
| 14 | BRO | EP 4 | 11 12 52.28 | | | | | | 47.6 | 175 | 108 | 12.53 | 8.50 | 4.03 | |
| | | ESU | 11 12 56.60 | | | | | | | | | 14.85 | 14.88 | -0.03 | |
| 14 | CDM5 | EPU4 | 11 12 47.90 | | | | 18 | 1.8 | 48.4 | 139 | 108 | 8.15 | 8.63 | -0.48 | |
| | | ISU4 | 11 12 53.97 | | | | | | | | | 14.22 | 15.10 | -0.88 | |
| 14 | CDM1 | IPU4 | 11 12 47.95 | | | | 21 | 1.9 | 48.4 | 139 | 108 | 8.20 | 8.63 | -0.43 | |
| 14 | SSP | IPD | 11 12 48.70 | | | | | | 50.0 | 126 | 108 | 8.95 | 8.88 | 0.08 | |
| 14 | CTS | EPD | 11 12 48.60 | | | | | | 50.2 | 355 | 108 | 8.85 | 8.90 | -0.05 | |
| 14 | GPM | EPD | 11 12 49.20 | | | | | | 53.4 | 283 | 107 | 9.45 | 9.41 | 0.04 | |
| 14 | BLT | EPD4 | 11 12 57.95 | | | | | | 56.5 | 58 | 106 | 18.20 | 9.88 | 8.32 | |
| 14 | LCP | EPD | 11 12 58.00 | | | | | | 58.5 | 130 | 105 | 18.25 | 10.20 | 8.06 | |
| 14 | LSM | IPD | 11 12 58.35 | | | | | | 61.5 | 144 | 104 | 18.60 | 10.67 | -0.07 | |
| 14 | FMT | EPD4 | 11 12 56.02 | | | | | | 61.8 | 189 | 104 | 16.27 | 10.72 | 5.66 | |
| 14 | CPX | IPD4 | 11 12 41.55 | | | | | | 61.9 | 118 | 104 | 1.80 | 10.74 | -8.93 | |

MAR M = 20 52 51.48 UTC RMS = 0.05 NO = 6 — FREE DEPTH SOLUTION
14 LAT = 36.603 N ERX = 1.2 ERM = 1.3 AVFM = 1.2 Q = C
LONG = 116.296 W ERY = 0.5 GAP = 105 AVXM = QS = B — LATHROP WELLS
DEPTH = 10.89 KM ERZ = 1.5 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | SDH | IPU | 20 52 54.06 | | | | | | 6.1 | 321 | 149 | 2.26 | 2.21 | 0.05 | |
| 14 | LSM | EPU | 20 52 54.95 | | | | | | 15.3 | 8 | 123 | 3.15 | 3.28 | -0.13 | |
| 14 | JCN | EPU | 20 52 56.50 | | | | 6 | 0.8 | 25.0 | 136 | 111 | 4.70 | 4.70 | 0.00 | |
| 14 | CDM1 | IPU | 20 52 57.06 | | | | 16 | 1.6 | 28.6 | 356 | 109 | 5.26 | 5.25 | 0.01 | |
| 14 | CDM5 | EP | 20 52 57.10 | | | | 12 | 1.4 | 28.6 | 356 | 109 | 5.30 | 5.25 | 0.05 | |
| 14 | LCP | EP | 20 52 57.29 | | | | 7 | 0.9 | 30.2 | 22 | 108 | 5.49 | 5.49 | 0.00 | |

MAR M = 3 39 48.97 UTC RMS = 0.12 NO = 6 — FREE DEPTH SOLUTION
15 LAT = 37.516 N ERX = 0.5 ERM = 0.8 AVFM = Q = B
LONG = 117.746 W ERY = 0.6 GAP = 122 AVXM = QS = B — SILVER PEAK
DEPTH = 13.33 KM ERZ = 2.1 NM = QD = B

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | PPK | IPD | 3 39 52.65 | | | | | | 17.2 | 235 | 126 | 3.68 | 3.77 | -0.09 | |
| | | ESD | 3 39 55.58 | | | | | | | | | 6.61 | 6.59 | 0.02 | |
| 15 | SVP | EP | 3 39 53.47 | | | | | | 22.6 | 348 | 118 | 4.50 | 4.50 | -0.15 | |
| | | ESU | 3 39 57.20 | | | | | | | | | 8.23 | 8.14 | 0.09 | |
| 15 | MGM | EPU4 | 3 39 52.89 | | | | | | 23.7 | 111 | 117 | 3.92 | 4.67 | -0.75 | |
| | | ES | 3 39 57.05 | | | | | | | | | 8.08 | 8.18 | -0.09 | |
| 15 | LCM | EP | 3 39 55.12 | | | | | | 32.5 | 164 | 110 | 6.15 | 5.97 | 0.18 | |
| 15 | MPN | EPD4 | 3 40 5.50 | | | | | | 95.6 | 120 | 97 | 16.53 | 16.01 | 0.53 | |

MAR M = 4 46 24.85 UTC RMS = 0.10 NO = 15 — FREE DEPTH SOLUTION
15 LAT = 36.807 N ERX = 0.3 ERM = 0.4 AVFM = 3.2 Q = C
LONG = 116.012 W ERY = 0.3 GAP = 83 AVXM = QS = C — LATHROP WELLS
DEPTH = 0.57 KM ERZ = 120.3 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | CPX | IPU4 | 4 46 27.52 | | | | 114 | 3.5 | 14.2 | 345 | 38 | 2.67 | 2.89 | -0.22 | |
| 15 | LCP | IPU | 4 46 27.80 | | | | 114 | 3.3 | 14.6 | 291 | 38 | 2.95 | 3.00 | -0.05 | |
| 15 | SPRG | IPU4 | 4 46 28.61 | | | | 101 | 3.2 | 22.0 | 125 | 38 | 3.76 | 4.16 | -0.40 | |
| 15 | SSP | IPD | 4 46 29.09 | | | | | | 22.6 | 305 | 38 | 4.24 | 4.26 | -0.02 | |
| 15 | LSM | IPD | 4 46 29.30 | | | | 91 | 3.1 | 24.4 | 252 | 38 | 4.45 | 4.55 | -0.10 | |
| 15 | CDM5 | IPU4 | 4 46 29.80 | | | | 121 | 3.4 | 27.9 | 282 | 38 | 4.95 | 5.12 | -0.17 | |
| 15 | CDM1 | IPU | 4 46 29.89 | | | | 169 | 3.7 | 27.9 | 282 | 38 | 5.04 | 5.12 | -0.08 | |
| 15 | BGB | IPU4 | 4 46 30.34 | | | | 119 | 3.4 | 32.0 | 323 | 38 | 5.49 | 5.88 | -0.24 | |
| 15 | SDH | IPD4 | 4 46 30.60 | | | | 109 | 3.3 | 34.2 | 236 | 38 | 5.75 | 6.15 | -0.40 | |
| 15 | JCN | IPD | 4 46 32.25 | | | | 88 | 3.2 | 41.5 | 141 | 38 | 7.40 | 7.34 | 0.06 | |
| 15 | GLR | IPU4 | 4 46 31.97 | | | | 69 | 3.0 | 43.6 | 359 | 38 | 7.12 | 7.67 | -0.40 | |
| 15 | EPM | IPD4 | 4 46 33.82 | | | | | | 53.0 | 328 | 38 | 8.97 | 9.21 | -0.24 | |
| 15 | BRO | EPD | 4 46 34.40 | | | | 48 | 2.7 | 55.0 | 265 | 38 | 9.55 | 9.52 | 0.03 | |
| 15 | APM | IPD | 4 46 35.50 | | | | 89 | 3.2 | 61.4 | 222 | 38 | 10.65 | 10.57 | 0.08 | |
| 15 | GPM | EPU | 4 46 35.50 | | | | 84 | 3.2 | 62.3 | 20 | 38 | 10.65 | 10.71 | -0.06 | |

| STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SNAG | CUM | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

1980

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MAR M = 3 5 53.94 UTC RMS = 0.05 NO = 5 — FREE DEPTH SOLUTION
22 LAT = 37.264 N ERX = 0.3 ERM = 0.4 AVFM = 0.9 Q = C
LONG = 117.556 W ERY = 0.2 GAP = 210 AVXM = QS = A — MAGRUDER MOUNTAIN
DEPTH = 6.20 KM ERZ = 1.6 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | LCM | IPD | 3 | 5 | 56.06 | | | 11 | 1.2 | 9.8 | 236 | 118 | 2.12 | 2.13 | -0.01 |
| 22 | MGM | EP 4 | 3 | 5 | 57.90 | | | 5 | 0.6 | 18.2 | 17 | 105 | 3.96 | 3.42 | 0.55 |
| | | ISD4 | 3 | 5 | 0.60 | | | | | | | | -53.14 | 5.98 | -59.11 |
| 22 | GPM | EPU | 3 | 5 | 58.62 | | | 5 | 0.6 | 26.4 | 86 | 100 | 6.68 | 6.71 | -0.02 |
| | | ISU4 | 3 | 5 | 2.60 | | | | | | | | -51.34 | 8.23 | -59.57 |
| 22 | GVN | IPU | 3 | 6 | 0.40 | | | 8 | 1.1 | 36.7 | 149 | 97 | 6.46 | 6.36 | 0.10 |
| | | ES | 3 | 6 | 8.99 | | | | | | | | 11.05 | 11.13 | -0.08 |
| 22 | NPM | EPU | 3 | 6 | 5.62 | | | | | 69.3 | 109 | 94 | 11.68 | 11.65 | 0.04 |

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MAR M = 22 48 40.44 UTC RMS = 0.04 NO = 6 — FREE DEPTH SOLUTION
25 LAT = 37.600 N ERX = 0.2 ERM = 0.3 AVFM = 1.8 Q = D
LONG = 117.643 W ERY = 0.3 GAP = 194 AVXM = QS = C — SILVER PEAK
DEPTH = 2.47 KM ERZ = 6.9 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | MGM | IPU | 22 | 48 | 48.29 | | | 15 | 1.6 | 21.9 | 144 | 92 | 3.85 | 3.92 | -0.07 |
| 25 | MZP | EPU | 22 | 48 | 48.75 | | | | | 25.5 | 64 | 92 | 4.31 | 4.51 | -0.01 |
| 25 | PPK | IPD | 22 | 48 | 49.69 | | | 14 | 1.5 | 30.3 | 230 | 92 | 5.25 | 5.28 | -0.03 |
| 25 | LCM | IPU4 | 22 | 48 | 51.16 | | | 17 | 1.7 | 40.6 | 180 | 90 | 6.72 | 6.95 | -0.23 |
| 25 | GPM | EPU | 22 | 48 | 52.52 | | | 7 | 1.0 | 47.5 | 134 | 90 | 8.08 | 8.08 | -0.00 |
| 25 | GVN | EPU | 22 | 48 | 56.49 | | | 23 | 2.1 | 71.6 | 158 | 90 | 12.05 | 11.99 | 0.06 |
| 25 | SGV | EPU | 22 | 48 | 59.08 | | | 22 | 2.1 | 87.5 | 142 | 90 | 14.66 | 14.58 | 0.06 |
| 25 | NPM | EPU4 | 22 | 49 | 0.19 | | | 26 | 2.3 | 93.1 | 128 | 90 | 15.75 | 15.50 | 0.25 |

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MAR M = 3 13 7.09 UTC RMS = 0.13 NO = 5 — FIXED DEPTH SOLUTION
26 LAT = 36.859 N ERX = 0.5 ERM = 0.7 AVFM = Q = C — DEPTH CONTROL INADEQUATE
LONG = 116.169 W ERY = 0.4 GAP = 114 AVXM = QS = A — LATHROP WELLS
DEPTH = 5.00 KM ERZ = 1.1 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | LCP | IPD | 3 | 13 | 8.36 | | | | | 0.6 | 165 | 172 | 1.27 | 0.99 | 0.28 |
| | | ISD4 | 3 | 13 | 10.00 | | | | | | | | 2.91 | 1.73 | 1.18 |
| 26 | SSP | EPU | 3 | 13 | 8.82 | | | | | 8.5 | 329 | 114 | 1.73 | 1.86 | -0.13 |
| 26 | CPX | EP 4 | 3 | 13 | 10.65 | | | | | 12.5 | 52 | 106 | 3.56 | 2.47 | 1.09 |
| | | ESD | 3 | 13 | 11.40 | | | | | | | | 4.31 | 4.32 | -0.01 |
| 26 | LSM | IPU | 3 | 13 | 10.10 | | | | | 16.2 | 214 | 102 | 3.01 | 3.04 | -0.03 |
| | | ISU | 3 | 13 | 12.35 | | | | | | | | 5.26 | 5.32 | -0.06 |

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MAR M = 5 15 43.73 UTC RMS = 0.11 NO = 5 — FREE DEPTH SOLUTION
26 LAT = 37.174 N ERX = 0.8 ERM = 1.6 AVFM = 1.3 Q = C
LONG = 117.612 W ERY = 1.4 GAP = 188 AVXM = QS = B — MAGRUDER MOUNTAIN
DEPTH = 11.11 KM ERZ = 2.6 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | LCM | IPU | 5 | 15 | 46.09 | | | 12 | 1.3 | 7.4 | 335 | 144 | 2.36 | 2.36 | -0.00 |
| 26 | GVN | EPU | 5 | 15 | 49.55 | | | 10 | 1.2 | 30.7 | 129 | 108 | 5.62 | 5.58 | 0.25 |
| 26 | GPM | EPU4 | 5 | 15 | 48.45 | | | | | 34.2 | 66 | 106 | 4.72 | 6.13 | -1.41 |
| | | ISD | 5 | 15 | 54.42 | | | | | | | | 10.69 | 10.73 | -0.04 |
| 26 | PPK | EP | 5 | 15 | 50.49 | | | | | 38.3 | 317 | 104 | 6.76 | 6.78 | -0.01 |
| 26 | JGV | EPD | 5 | 15 | 53.13 | | | | | 55.8 | 113 | 100 | 9.40 | 9.55 | -0.15 |
| 26 | NPM | IPD4 | 5 | 15 | 55.20 | | | | | 71.3 | 98 | 98 | 11.47 | 12.05 | -0.58 |
| 26 | BPT | EPD4 | 5 | 15 | 57.45 | | | | | 96.5 | 83 | 96 | 13.72 | 16.12 | -2.79 |

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MAR M = 20 1 7.02 UTC RMS = 0.01 NO = 5 — FREE DEPTH SOLUTION
27 LAT = 37.117 N ERX = 0.1 ERM = 0.2 AVFM = 1.0 Q = C
LONG = 117.368 W ERY = 0.2 GAP = 126 AVXM = QS = A — MT. JACKSON
DEPTH = 6.58 KM ERZ = 0.7 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | GVN | IPD4 | 20 | 1 | 9.46 | | | 8 | 1.0 | 12.9 | 172 | 113 | 2.44 | 2.62 | -0.18 |
| 27 | GVN | IPD4 | 20 | 1 | 9.46 | | | | | 12.9 | 172 | 113 | 2.44 | 2.62 | -0.18 |
| | | ISU | 20 | 1 | 11.00 | | | | | | | | 4.58 | 4.58 | 0.00 |
| 27 | GPM | EPD | 20 | 1 | 11.10 | | | | | 22.3 | 24 | 103 | 4.08 | 4.08 | 0.01 |
| 27 | LCM | EP | 20 | 1 | 12.05 | | | | | 28.4 | 297 | 100 | 5.03 | 5.03 | -0.00 |
| 27 | SGV | IPD | 20 | 1 | 12.44 | | | 7 | 0.9 | 33.1 | 117 | 99 | 5.42 | 5.40 | 0.02 |
| | | ESU | 20 | 1 | 17.14 | | | | | | | | 10.12 | 10.15 | -0.03 |

---

MAR M = 2 8 43.78 UTC RMS = 0.03 NO = 4 — FREE DEPTH SOLUTION
28 LAT = 36.324 N ERX = 0.1 ERM = 0.2 AVFM = 2.0 Q = B

VERY E

| 1988 | STA | PHASE | TIME (UTC) | AMP (MU) | PIN (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | IRDS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 LAT = 36.832 N | | | | ERX = 2.2 | ERM = 3.0 | | | AVFM = 1.5 | Q = D | | | | | | |
| LONG = 115.993 W | | | | ERY = 1.9 | GAP = 214 | | | AVXM = | QS = C | | | MERCURY | | | |
| DEPTH = 9.57 KM | | | | ERZ = 9.1 | NM = | | | | QD = D | | | | | | |
| 02 | LOP | IPU | 18 13 8.76 | | | | 12 | 1.3 | 15.8 | 279 | 118 | 3.26 | 3.24 | 0.02 | |
| 02 | MCY | EPD | 18 13 9.24 | | | | 11 | 1.3 | 19.1 | 172 | 114 | 3.74 | 3.72 | 0.02 | |
| 02 | SSP | EP | 18 13 9.85 | | | | 16 | 1.6 | 22.6 | 297 | 110 | 4.35 | 4.25 | 0.10 | |
| 02 | LSM | IPU | 18 13 10.00 | | | | | | 26.9 | 248 | 107 | 4.50 | 4.92 | -0.42 | |
| 02 | CDM1 | IPU | 18 13 10.89 | | | | | | 29.1 | 276 | 106 | 5.39 | 5.26 | 0.13 | |
| 02 | CDM5 | EPD | 18 13 10.98 | | | | 16 | 1.6 | 29.1 | 276 | 106 | 5.48 | 5.26 | 0.14 | |
| 02 | BGB | EP | 18 13 10.70 | | | | | | 31.0 | 318 | 105 | 5.20 | 5.56 | -0.35 | |

| APR M = 18 20 41.43 UTC | | | | RMS = 0.27 | NO = 44 | | | | | | | FREE DEPTH SOLUTION | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 LAT = 36.855 N | | | | ERX = 0.4 | ERM = 0.5 | | | AVFM = 3.0 | Q = C | | | | | | |
| LONG = 115.957 W | | | | ERY = 0.4 | GAP = 55 | | | AVXM = | QS = B | | | MERCURY | | | |
| DEPTH = 0.88 KM | | | | ERZ = 3.7 | NM = | | | | QD = C | | | | | | |
| 02 | CPX | IPU0 | 18 20 43.76 | | | | 128 | 3.4 | 12.2 | 312 | 38 | 2.33 | 2.51 | -0.18 | |
| 02 | LOP | IPU | 18 20 44.90 | | | | 127 | 3.4 | 18.8 | 270 | 38 | 3.47 | 3.58 | -0.11 | |
| 02 | MCY | IPU0 | 18 20 45.19 | | | | 100 | 3.5 | 21.4 | 181 | 38 | 3.76 | 4.00 | -0.25 | |
| 02 | SPRG | IPU | 18 20 45.45 | | | | 120 | 3.4 | 22.1 | 144 | 38 | 4.02 | 4.12 | -0.10 | |
| 02 | SSP | IPD | 18 20 45.85 | | | | 163 | 3.6 | 26.6 | 289 | 38 | 4.42 | 4.52 | -0.11 | |
| 02 | LSM | IPD | 18 20 46.79 | | | | 185 | 3.8 | 30.9 | 245 | 38 | 5.36 | 5.55 | -0.19 | |
| 02 | BGB | IPU | 18 20 46.80 | | | | 132 | 3.5 | 31.6 | 310 | 38 | 5.37 | 5.66 | -0.29 | |
| 02 | CDM5 | IPU | 18 20 46.89 | | | | 116 | 3.4 | 32.2 | 271 | 38 | 5.46 | 5.75 | -0.29 | |
| 02 | CDM1 | IPD | 18 20 46.90 | | | | 152 | 3.6 | 32.2 | 271 | 38 | 5.47 | 5.75 | -0.28 | |
| 02 | GLR | IPU | 18 20 47.95 | | | | 101 | 3.3 | 38.6 | 352 | 38 | 6.52 | 6.88 | -0.29 | |
| 02 | SDM | IPD | 18 20 48.50 | | | | 81 | 3.1 | 41.2 | 236 | 38 | 7.07 | 7.22 | -0.15 | |
| 02 | JDN | IPD | 18 20 49.85 | | | | 97 | 3.1 | 47.9 | 196 | 38 | 8.42 | 8.30 | 0.11 | |
| 02 | EPN | IPD | 18 20 50.10 | | | | | | 51.3 | 321 | 38 | 8.67 | 8.91 | -0.24 | |
| 02 | GWR | IPD | 18 20 51.06 | | | | 110 | 3.4 | 55.7 | 17 | 38 | 9.63 | 9.58 | 0.05 | |
| 02 | BRO | IPD | 18 20 51.99 | | | | 79 | 3.1 | 60.5 | 260 | 38 | 10.56 | 10.37 | 0.19 | |
| 02 | APN | IPD | 18 20 53.29 | | | | 52 | 2.8 | 68.5 | 150 | 38 | 11.86 | 11.67 | 0.19 | |
| 02 | AMR | IPD | 18 20 53.15 | | | | 101 | 3.4 | 68.7 | 222 | 38 | 11.72 | 11.69 | 0.03 | |
| 02 | BLT | IPD | 18 20 52.85 | | | | 93 | 3.3 | 69.2 | 347 | 38 | 11.42 | 11.77 | -0.35 | |
| 02 | BMT | IPD | 18 20 54.59 | | | | 117 | 3.5 | 70.8 | 313 | 38 | 13.16 | 11.90 | 1.26 | |
| 02 | EPR | IPD | 18 20 54.61 | | | | 140 | 3.7 | 76.9 | 63 | 38 | 13.18 | 13.03 | 0.15 | |
| 02 | FMT | IPU | 18 20 54.65 | | | | 84 | 3.2 | 77.2 | 252 | 38 | 13.22 | 13.08 | 0.14 | |
| 02 | NPN | IPU | 18 20 55.10 | | | | 107 | 3.5 | 80.7 | 288 | 38 | 13.67 | 13.64 | 0.03 | |
| 02 | SPRG | IPU0 | 18 20 54.80 | | | | 89 | 3.3 | 81.5 | 118 | 38 | 13.37 | 13.77 | -0.40 | |
| 02 | NOP | IPD | 18 20 55.41 | | | | 66 | 3.1 | 82.5 | 192 | 38 | 13.98 | 13.98 | 0.00 | |
| 02 | TPU | IPD | 18 20 55.92 | | | | 98 | 3.4 | 87.6 | 18 | 38 | 14.49 | 14.77 | -0.28 | |
| 02 | SGV | IPU | 18 20 57.65 | | | | 124 | 3.7 | 96.9 | 278 | 38 | 16.22 | 16.28 | -0.06 | |
| 02 | GHV | IPD | 18 20 57.93 | | | | 103 | 3.5 | 97.9 | 221 | 38 | 16.50 | 16.44 | 0.06 | |
| 02 | PRN | IPD0 | 18 20 58.79 | | | | 91 | 3.4 | 101.3 | 53 | 38 | 17.36 | 16.99 | 0.37 | |
| 02 | QCS | EPD | 18 20 58.60 | | | | 91 | 3.4 | 101.4 | 2 | 38 | 17.17 | 17.01 | 0.16 | |
| 02 | MTI | IPU | 18 20 59.66 | | | | 90 | 3.4 | 109.5 | 34 | 38 | 18.23 | 18.33 | -0.11 | |
| 02 | CTS | EPD | 18 21 0.18 | | | | 56 | 3.0 | 110.7 | 322 | 38 | 18.75 | 18.52 | 0.22 | |
| 02 | PGE | IPU | 18 21 0.80 | | | | 83 | 3.4 | 114.0 | 241 | 38 | 19.37 | 19.06 | 0.31 | |
| 02 | GVN | IPU | 18 21 2.40 | | | | 98 | 3.5 | 120.6 | 278 | 38 | 20.97 | 20.78 | 0.19 | |
| 02 | GPN | IPD0 | 18 21 2.79 | | | | 59 | 3.1 | 125.9 | 293 | 38 | 21.36 | 21.00 | 0.36 | |
| 02 | NPN | IPU0 | 18 21 2.81 | | | | 103 | 3.6 | 126.6 | 46 | 38 | 21.38 | 21.10 | 0.28 | |
| 02 | GSM | IPD0 | 18 21 3.35 | | | | | | 128.1 | 220 | 38 | 21.92 | 21.36 | 0.56 | |
| 02 | NPN | IPU | 18 21 3.01 | | | | 107 | 3.6 | 129.3 | 15 | 38 | 21.58 | 21.54 | 0.04 | |
| 02 | TMO | IPU0 | 18 21 3.45 | | | | 74 | 3.3 | 129.6 | 268 | 38 | 22.02 | 21.60 | 0.42 | |
| 02 | RVE | EPD | 18 21 4.37 | | | | | | 131.0 | 351 | 38 | 22.94 | 21.82 | 1.12 | |
| | | EDU | 18 21 18.60 | | | | | | | | | 37.37 | 38.18 | -0.81 | |
| 02 | SPG | IPD0 | 18 21 4.89 | | | | 141 | 3.9 | 138.5 | 35 | 30 | 23.46 | 22.93 | 0.52 | |
| 02 | MGM | EPD | 18 21 6.95 | | | | 89 | 3.6 | 151.6 | 295 | 30 | 25.52 | 24.63 | 0.89 | |
| 02 | LCM | IPU | 18 21 7.55 | | | | 67 | 3.3 | 156.3 | 286 | 30 | 26.12 | 25.24 | 0.88 | |
| 02 | MZP | IPU | 18 21 7.65 | | | | 55 | 3.2 | 157.5 | 307 | 30 | 26.22 | 25.40 | 0.82 | |

| APR M = 21 14 53.76 UTC | | | | RMS = 0.08 | NO = 14 | | | | | | | FREE DEPTH SOLUTION | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 LAT = 36.868 N | | | | ERX = 0.3 | ERM = 0.4 | | | AVFM = 2.2 | Q = B | | | | | | |
| LONG = 115.970 W | | | | ERY = 0.2 | GAP = 55 | | | AVXM = | QS = A | | | MERCURY | | | |
| DEPTH = 6.10 KM | | | | ERZ = 1.8 | NM = | | | | QD = B | | | | | | |
| 02 | CPX | IPU | 21 14 55.90 | | | | 47 | 2.5 | 10.3 | 311 | 116 | 2.14 | 2.20 | -0.06 | |
| 02 | LCP | IPU | 21 14 57.05 | | | | 42 | 2.4 | 17.6 | 265 | 105 | 3.29 | 3.31 | -0.02 | |
| 02 | MCY | IPU0 | 21 14 57.30 | | | | 44 | 2.5 | 22.9 | 178 | 102 | 3.54 | 4.15 | -0.61 | |
| 02 | SPRG | IPU0 | 21 14 56.47 | | | | 44 | 2.5 | 24.1 | 143 | 101 | 2.71 | 4.34 | -1.63 | |
| 02 | BGB | IPU | 21 14 58.95 | | | | 31 | 2.2 | 29.6 | 309 | 99 | 5.19 | 5.23 | -0.04 | |
| 02 | LSM | IPD | 21 14 59.29 | | | | 29 | 2.2 | 30.5 | 242 | 99 | 5.53 | 5.36 | 0.17 | |
| 02 | CDM5 | IPU0 | 21 14 58.96 | | | | 52 | 2.7 | 30.9 | 268 | 98 | 5.20 | 5.44 | -0.24 | |
| 02 | GLR | FPU | 21 15 0.10 | | | | 16 | 1.7 | 37.0 | 353 | 97 | 6.34 | 6.41 | -0.07 | |
| 02 | JCN | IPU0 | 21 15 1.40 | | | | 21 | 1.9 | 49.8 | 194 | 95 | 8.14 | 8.35 | -0.21 | |
| 02 | EPN | IPU0 | 21 15 2.59 | | | | | | 49.6 | 321 | 95 | 8.83 | 8.46 | 0.38 | |
| 02 | GWR | IPD | 21 15 3.20 | | | | 22 | 2.0 | 54.6 | 19 | 95 | 9.44 | 9.27 | 0.17 | |
| 02 | BRO | EPD0 | 21 15 4.40 | | | | 18 | 1.8 | 59.6 | 259 | 94 | 10.64 | 10.07 | 0.57 | |

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | RMAG | QUA | PMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | CPX | IPU | 17 15 15.60 | | | | 25 | 2.8 | 11.5 | 316 | 110 | 2.18 | 2.31 | -0.13 | |
| 03 | LOP | IPU0 | 17 15 16.70 | | | | 22 | 1.9 | 17.6 | 270 | 103 | 3.28 | 3.28 | -0.01 | |
| 03 | MCY | IPD | 17 15 17.20 | | | | 25 | 2.0 | 21.5 | 178 | 101 | 3.78 | 3.91 | -0.13 | |
| 03 | SPMG | IPU | 17 15 17.26 | | | | 20 | 1.8 | 22.9 | 141 | 100 | 3.84 | 4.14 | -0.30 | |
| 03 | SSP | EPU | 17 15 17.79 | | | | | | 23.5 | 284 | 100 | 4.37 | 4.22 | 0.15 | |
| 03 | BGB | IPD | 17 15 18.79 | | | | 11 | 1.3 | 30.6 | 311 | 97 | 5.37 | 5.37 | -0.00 | |
| 03 | CDMS | IPD | 17 15 18.80 | | | | 34 | 2.3 | 31.0 | 271 | 97 | 5.38 | 5.43 | -0.05 | |
| 03 | CDMI | IPU | 17 15 18.79 | | | | 38 | 2.8 | 31.0 | 271 | 97 | 5.37 | 5.43 | -0.06 | |
| 03 | GLR | EP 0 | 17 15 20.80 | | | | | | 38.4 | 354 | 96 | 6.58 | 6.63 | -0.05 | |
| 03 | SDM | EP | 17 15 20.50 | | | | | | 40.3 | 235 | 96 | 7.08 | 6.93 | 0.15 | |
| 03 | JCN | IPU0 | 17 15 21.71 | | | | 12 | 1.5 | 47.6 | 194 | 95 | 8.29 | 8.12 | 0.17 | |
| 03 | GMR | IPU | 17 15 25.00 | | | | 7 | 1.0 | 56.0 | 18 | 94 | 9.58 | 9.47 | 0.10 | |
| 03 | EPM | EP 2 | 17 15 27.55 | | | | | | 77.9 | 64 | 93 | 14.13 | 13.04 | 1.09 | |
| 03 | SMRG | EP | 17 15 27.70 | | | | | | 82.6 | 116 | 93 | 14.28 | 13.80 | 0.48 | |

APR M = 23 47 9.66 UTC RMS = 0.02 NO = 6 — FREE DEPTH SOLUTION
03 LAT = 37.040 N ERX = 0.3 ERM = 0.3 AVFM = 2.3 Q = B
LONG = 116.187 W ERY = 0.1 GAP = 169 AVXM = QS = A — SILENT CANYON - YUCCA FLAT
DEPTH = 6.04 KM ERZ = 0.8 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | BGB | IPD | 23 47 10.99 | | | | 31 | 2.1 | 3.6 | 267 | 146 | 1.33 | 1.33 | 0.00 | |
| 03 | SSP | IPU | 23 47 12.30 | | | | 37 | 2.3 | 13.0 | 192 | 110 | 2.64 | 2.60 | 0.04 | |
| 03 | LOP | EPU | 23 47 13.43 | | | | 33 | 2.2 | 20.7 | 175 | 103 | 3.77 | 3.79 | -0.02 | |
| 03 | EPM | EPD | 23 47 13.79 | | | | | | 22.8 | 328 | 101 | 4.13 | 4.14 | -0.00 | |
| 03 | CDMS | IPD | 23 47 13.84 | | | | 42 | 2.5 | 23.0 | 210 | 101 | 4.18 | 4.17 | 0.01 | |
| 03 | BLT | EP | 23 47 17.69 | | | | 29 | 2.2 | 47.0 | 6 | 95 | 8.03 | 8.03 | 0.00 | |

APR M = 18 0 48.84 UTC RMS = 0.29 NO = 8 — FREE DEPTH SOLUTION
04 LAT = 36.939 N ERX = 2.2 ERM = 3.5 AVFM = 1.6 Q = C
LONG = 115.599 W ERY = 2.8 GAP = 159 AVXM = QS = C — MERCURY
DEPTH = 18.99 KM ERZ = 3.5 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | SPMG | IPU2 | 18 0 55.50 | | | | | | 33.0 | 215 | 110 | 6.66 | 6.43 | 0.22 | |
| 04 | MCY | IPU2 | 18 0 56.63 | | | | 15 | 1.6 | 44.7 | 226 | 112 | 7.79 | 8.15 | -0.37 | |
| 04 | EPM | IPU0 | 18 0 57.02 | | | | | | 44.7 | 55 | 112 | 8.18 | 8.16 | 0.02 | |
| 04 | LOP | EPU0 | 18 0 57.60 | | | | 11 | 1.4 | 51.5 | 259 | 109 | 8.76 | 9.20 | -0.44 | |
| 04 | BGB | EPU | 18 0 59.95 | | | | | | 57.0 | 281 | 107 | 11.11 | 10.05 | 1.06 | |
| 04 | CDMS | IPU0 | 18 0 59.56 | | | | 17 | 1.8 | 64.6 | 262 | 105 | 10.72 | 11.24 | -0.52 | |
| 04 | JCN | EP | 18 1 1.32 | | | | | | 71.4 | 219 | 104 | 12.48 | 12.30 | 0.18 | VERY E |
| 04 | SDM | EP 0 | 18 1 1.30 | | | | | | 73.5 | 244 | 53 | 12.46 | 12.61 | -0.16 | VERY E |

APR M = 2 27 44.95 UTC RMS = 0.05 NO = 7 — FREE DEPTH SOLUTION
05 LAT = 36.846 N ERX = 0.3 ERM = 0.7 AVFM = 2.1 Q = C
LONG = 115.944 W ERY = 0.6 GAP = 112 AVXM = QS = B — MERCURY
DEPTH = 8.60 KM ERZ = 0.8 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 | CPX | IPU4 | 2 27 47.30 | | | | 38 | 2.3 | 13.7 | 312 | 119 | 2.35 | 2.87 | -0.52 | |
| 05 | LCP | IPU4 | 2 27 48.40 | | | | 40 | 2.4 | 20.0 | 273 | 110 | 3.45 | 3.80 | -0.35 | |
| 05 | MCY | IPU4 | 2 27 48.60 | | | | 38 | 2.4 | 20.6 | 185 | 110 | 3.65 | 3.89 | -0.24 | |
| 05 | SPMG | IPU | 2 27 48.85 | | | | 33 | 2.2 | 20.7 | 145 | 109 | 3.90 | 3.91 | -0.01 | |
| 05 | LSM | IPD | 2 27 50.60 | | | | | | 31.6 | 248 | 103 | 5.65 | 5.62 | 0.03 | |
| 05 | BGB | IPU4 | 2 27 50.30 | | | | 31 | 2.2 | 33.1 | 310 | 102 | 5.35 | 5.85 | -0.49 | |
| 05 | CDMS | IPU4 | 2 27 50.31 | | | | | | 33.4 | 273 | 102 | 5.36 | 5.90 | -0.53 | |
| 05 | CDMI | IPD4 | 2 27 50.39 | | | | | | 33.4 | 273 | 102 | 5.44 | 5.90 | -0.45 | |
| 05 | GLR | EP 4 | 2 27 51.45 | | | | 16 | 1.7 | 39.7 | 350 | 100 | 6.50 | 6.91 | -0.41 | |
| 05 | SDM | EPD0 | 2 27 52.18 | | | | 38 | 2.4 | 41.7 | 238 | 100 | 7.23 | 7.23 | 0.00 | |
| 05 | JCN | IPD4 | 2 27 52.25 | | | | 23 | 2.0 | 47.3 | 148 | 99 | 7.30 | 8.13 | -0.82 | |
| 05 | EPM | EPU0 | 2 27 53.90 | | | | | | 53.0 | 320 | 98 | 8.95 | 9.05 | -0.09 | |
| 05 | GMR | IPD | 2 27 54.60 | | | | 22 | 2.0 | 56.2 | 16 | 97 | 9.65 | 9.57 | 0.09 | |
| 05 | BRD | EPU4 | 2 27 55.60 | | | | 17 | 1.8 | 61.6 | 261 | 97 | 10.65 | 10.43 | 0.23 | |
| 05 | APM | EP 4 | 2 27 57.40 | | | | 16 | 1.8 | 68.8 | 224 | 96 | 12.45 | 11.60 | 0.86 | |
| 05 | BLT | EPU4 | 2 27 56.26 | | | | 22 | 2.1 | 70.3 | 346 | 96 | 11.31 | 11.83 | -0.53 | |
| 05 | BMT | EP 4 | 2 27 58.10 | | | | 35 | 2.5 | 71.5 | 313 | 96 | 13.15 | 12.03 | 1.13 | |
| 05 | EPR | EPU4 | 2 27 58.30 | | | | | | 76.3 | 62 | 95 | 13.35 | 12.81 | 0.54 | |
| 05 | FMT | EPD4 | 2 27 59.10 | | | | 10 | 1.4 | 78.1 | 253 | 95 | 14.15 | 13.10 | 1.05 | |
| 05 | SPMG | EP 4 | 2 27 59.30 | | | | 15 | 1.8 | 80.0 | 118 | 95 | 14.05 | 13.41 | 0.64 | |
| 05 | NCP | EPU4 | 2 27 59.00 | | | | | | 81.9 | 193 | 95 | 14.05 | 13.71 | 0.34 | |
| 05 | NPN | EPU | 2 27 56.70 | | | | 30 | 2.4 | 82.1 | 268 | 95 | 13.75 | 13.75 | 0.01 | |
| 05 | PPN | EPU4 | 2 28 2.20 | | | | 21 | 2.1 | 100.9 | 52 | 94 | 17.25 | 16.80 | 0.45 | |
| 05 | MTI | EPU | 2 28 3.15 | | | | 23 | 2.2 | 109.7 | 33 | 94 | 18.20 | 18.22 | -0.02 | |
| 05 | PGE | EP 4 | 2 28 4.76 | | | | 16 | 1.9 | 114.6 | 241 | 53 | 19.81 | 18.96 | 0.85 | VERY E |
| 05 | MCA | EP 4 | 2 28 5.72 | | | | 23 | 2.3 | 121.5 | 260 | 53 | 20.77 | 19.86 | 0.92 | VERY E |
| 05 | GVM | EPD4 | 2 28 6.20 | | | | 30 | 2.5 | 125.9 | 278 | 53 | 21.25 | 20.43 | 0.81 | |
| 05 | GMH | EPU4 | 2 28 6.48 | | | | | | 127.4 | 293 | 53 | 21.53 | 20.62 | 0.91 | |
| 05 | WSM | EPD4 | 2 28 6.90 | | | | | | 128.2 | 220 | 53 | 21.95 | 20.73 | 1.23 | |
| 05 | TMO | EPD4 | 2 28 7.10 | | | | 20 | 2.2 | 130.8 | 269 | 53 | 22.15 | 21.06 | 1.09 | |
| 05 | LCM | EPD4 | 2 28 11.10 | | | | | | 157.7 | 266 | 53 | 26.15 | 28.55 | 1.60 | |



90814 0226

90814000226

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | WMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 16 | FPT | IPU4 | 11 25 58.07 | | | | | | 132.7 | 282 | 30 | 22.19 | 21.93 | 0.26 | |
| . 16 | NCP | IPU | 11 25 58.10 | | | | 46 | 2.9 | 134.5 | 207 | 30 | 22.22 | 22.22 | -0.01 | |

. APR M = 21 41 27.76 UTC RMS = 0.30 NO = 28 — FREE DEPTH SOLUTION
. 16 LAT = 37.208 N ERH = 0.5 ERM = 0.7 AVFM = 2.3 Q = C
. LONG = 115.476 W ERT = 0.5 GAP = 63 AVXM = QS = C — ALAMO
. DEPTH = 8.06 KM ERZ = 5.2 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 16 | EPR | IPU | 21 41 32.38 | | | | | | 26.1 | 100 | 30 | 4.62 | 4.93 | -0.31 | |
| . 16 | GPR | IPU4 | 21 41 32.65 | | | | 41 | 2.5 | 29.7 | 290 | 30 | 4.89 | 5.51 | -0.62 | |
| . 16 | PRN | IPD | 21 41 35.07 | | | | | | 43.8 | 60 | 30 | 8.11 | 7.81 | 0.29 | |
| . 16 | TPU | EPU | 21 41 35.57 | | | | | | 46.7 | 301 | 30 | 7.81 | 8.28 | -0.47 | |
| . 16 | GLR | IPD | 21 41 36.46 | | | | | | 48.1 | 269 | 30 | 8.70 | 8.51 | 0.19 | |
| . 16 | CPI | IPD | 21 41 38.08 | | | | 32 | 2.4 | 60.3 | 239 | 30 | 10.32 | 10.49 | -0.17 | |
| . 16 | SPRG | IPD4 | 21 41 38.20 | | | | 29 | 2.3 | 64.2 | 207 | 30 | 10.52 | 11.14 | -0.62 | |
| . 16 | WLT | EPU | 21 41 38.70 | | | | 25 | 2.2 | 66.8 | 296 | 30 | 10.94 | 11.23 | -0.29 | |
| . 16 | MPN | IPU | 21 41 39.93 | | | | | | 68.7 | 44 | 30 | 12.17 | 11.86 | 0.31 | |
| . 16 | BGB | EPD4 | 21 41 40.56 | | | | 31 | 2.4 | 69.4 | 254 | 30 | 12.80 | 11.98 | 0.82 | |
| . 16 | LCP | EPU | 21 41 40.10 | | | | 35 | 2.5 | 73.0 | 237 | 30 | 12.34 | 12.56 | -0.22 | |
| . 16 | SSP | IPD | 21 41 40.26 | | | | 35 | 2.5 | 73.1 | 245 | 30 | 12.50 | 12.57 | -0.07 | |
| . 16 | OCS | EPD | 21 41 40.55 | | | | 19 | 1.9 | 73.3 | 328 | 30 | 12.79 | 12.62 | 0.17 | |
| . 16 | MCT | IPU4 | 21 41 40.15 | | | | 43 | 2.7 | 74.5 | 216 | 30 | 12.39 | 12.80 | -0.41 | |
| . 16 | EPN | EPU | 21 41 40.35 | | | | | | 75.2 | 271 | 30 | 12.59 | 12.92 | -0.33 | |
| . 16 | SMAG | IPD | 21 41 42.00 | | | | 20 | 2.0 | 83.1 | 160 | 30 | 14.28 | 14.21 | 0.03 | |
| . 16 | CDH1 | IPD | 21 41 42.03 | | | | | | 84.2 | 243 | 30 | 14.27 | 14.38 | -0.12 | |
| . 16 | CDH5 | IPD | 21 41 42.15 | | | | 45 | 2.7 | 84.2 | 243 | 30 | 14.39 | 14.38 | 0.00 | |
| . 16 | LSM | EPD2 | 21 41 43.10 | | | | 17 | 1.9 | 87.9 | 234 | 30 | 15.34 | 14.98 | 0.36 | |
| . 16 | BRT | IPU | 21 41 44.68 | | | | | | 94.3 | 275 | 30 | 16.84 | 16.82 | 0.02 | |
| . 16 | APK | EP | 21 41 44.50 | | | | | | 94.9 | 185 | 30 | 16.70 | 16.78 | -0.04 | |
| . 16 | SDM | EPU | 21 41 44.36 | | | | 24 | 2.2 | 99.0 | 231 | 30 | 16.60 | 16.78 | -0.18 | |
| . 16 | JON | IPU | 21 41 44.81 | | | | 23 | 2.2 | 101.9 | 213 | 30 | 17.05 | 17.26 | -0.21 | |
| . 16 | BRD | EPD | 21 41 47.46 | | | | | | 113.6 | 244 | 30 | 19.70 | 19.16 | 0.54 | |
| . 16 | MPN | EP | 21 41 48.68 | | | | | | 120.1 | 263 | 30 | 20.84 | 20.22 | 0.62 | |
| . 16 | APR | IPU | 21 41 49.39 | | | | | | 126.5 | 225 | 30 | 21.63 | 21.27 | 0.36 | |
| . 16 | FPT | IPD | 21 41 50.19 | | | | 23 | 2.3 | 132.1 | 242 | 30 | 22.43 | 22.17 | 0.26 | |
| . 16 | SGV | IPU | 21 41 52.06 | | | | 41 | 2.8 | 140.6 | 260 | 30 | 24.30 | 23.39 | 0.91 | |
| . 16 | GNV | IPU | 21 41 54.00 | | | | | | 155.7 | 223 | 30 | 26.24 | 25.34 | 0.90 | |
| . 16 | GPN | EP | 21 41 54.15 | | | | | | 158.5 | 274 | 39 | 26.39 | 25.71 | 0.68 | |
| . 16 | GVN | EP 4 | 21 41 55.50 | | | | | | 167.5 | 262 | 30 | 27.74 | 26.88 | 0.86 | |
| . | | ES | 21 42 15.70 | | | | | | | | | 47.94 | 47.04 | 0.90 | |
| . 16 | PGE | EPD4 | 21 41 56.58 | | | | | | 170.9 | 236 | 30 | 28.82 | 27.32 | 1.50 | |
| . 16 | MGM | EP | 21 41 57.25 | | | | | | 181.0 | 278 | 30 | 29.49 | 28.63 | 0.86 | |

. APR M = 2 27 39.35 UTC RMS = 0.15 NO = 23 — FREE DEPTH SOLUTION
. 21 LAT = 37.295 N ERX = 0.3 ERM = 0.4 AVFM = 2.4 Q = C
. LONG = 116.346 W ERY = 0.3 GAP = 77 AVXM = QS = C — SILENT CANYON - NORTH
. DEPTH = 2.86 KM ERZ = 7.5 NM = QD = B

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 21 | LPN | IPD | 2 27 41.38 | | | | | | 9.2 | 167 | 98 | 2.03 | 1.86 | 0.17 | |
| . 21 | BRT | IPU3 | 2 27 43.38 | | | | 50 | 2.7 | 16.7 | 266 | 94 | 3.95 | 3.07 | 0.88 | |
| . 21 | BLT | IPD3 | 2 27 43.50 | | | | 40 | 2.4 | 26.3 | 45 | 93 | 4.15 | 4.63 | -0.48 | |
| . 21 | BGB | IPU | 2 27 44.48 | | | | 36 | 2.3 | 30.4 | 160 | 92 | 5.13 | 5.30 | -0.17 | |
| . 21 | GLR | EP 4 | 2 27 44.40 | | | | | | 31.0 | 110 | 92 | 5.05 | 5.40 | -0.36 | |
| . 21 | SSP | IPU | 2 27 46.56 | | | | | | 42.6 | 165 | 92 | 7.21 | 7.20 | -0.00 | |
| . 21 | CPI | EPU4 | 2 27 47.05 | | | | 32 | 2.3 | 48.0 | 148 | 91 | 7.70 | 8.17 | -0.47 | |
| . 21 | MPN | IPD | 2 27 47.69 | | | | 38 | 2.5 | 48.2 | 240 | 91 | 8.34 | 8.19 | 0.15 | |
| . 21 | CDH1 | IPD | 2 27 47.26 | | | | 68 | 3.0 | 48.3 | 177 | 91 | 7.91 | 8.21 | -0.30 | |
| . 21 | CDH5 | IPD | 2 27 47.42 | | | | 55 | 2.6 | 48.3 | 177 | 91 | 8.07 | 8.21 | -0.14 | |
| . 21 | CTS | IPU | 2 27 47.99 | | | | 23 | 2.1 | 50.4 | 319 | 91 | 8.64 | 8.64 | -0.00 | |
| . 21 | GPN | EP | 2 27 48.16 | | | | 29 | 2.2 | 51.2 | 85 | 91 | 8.81 | 8.68 | 0.13 | |
| . 21 | LCP | EPU | 2 27 47.80 | | | | 40 | 2.5 | 51.4 | 162 | 91 | 8.45 | 8.72 | -0.28 | |
| . 21 | LSM | EP 4 | 2 27 50.15 | | | | | | 62.0 | 174 | 90 | 10.80 | 10.46 | 0.34 | |
| . 21 | BRD | IPD | 2 27 50.10 | | | | | | 64.1 | 203 | 90 | 10.75 | 10.77 | -0.02 | |
| . 21 | OCS | IPU | 2 27 50.20 | | | | 20 | 2.0 | 64.8 | 36 | 90 | 10.85 | 10.89 | -0.04 | |
| . 21 | SGV | IPD | 2 27 51.21 | | | | 36 | 2.5 | 70.2 | 240 | 90 | 11.86 | 11.77 | 0.09 | |
| . 21 | MCT | EPD | 2 27 52.65 | | | | 39 | 2.6 | 78.1 | 154 | 90 | 13.30 | 13.06 | 0.24 | |
| . 21 | GPN | IPU | 2 27 52.75 | | | | 19 | 2.0 | 81.0 | 270 | 90 | 13.40 | 13.52 | -0.12 | |
| . 21 | SPRG | EPD | 2 27 53.20 | | | | 32 | 2.4 | 82.0 | 144 | 90 | 13.85 | 13.69 | 0.16 | |
| . 21 | FNT | IPD | 2 27 53.05 | | | | | | 82.3 | 206 | 90 | 13.70 | 13.73 | -0.03 | |
| . 21 | GVN | IPU | 2 27 55.20 | | | | 36 | 2.6 | 94.4 | 250 | 90 | 15.85 | 15.70 | 0.15 | |
| . 21 | JON | EPU | 2 27 55.44 | | | | 23 | 2.2 | 97.3 | 167 | 90 | 16.29 | 16.18 | 0.11 | |
| . 21 | MGM | IPU | 2 27 56.44 | | | | | | 103.1 | 279 | 90 | 17.09 | 17.12 | -0.03 | |
| . 21 | MTI | EP | 2 27 56.48 | | | | | | 104.0 | 66 | 90 | 17.13 | 17.25 | -0.13 | |
| . 21 | LCM | EPD | 2 27 58.06 | | | | 23 | 2.3 | 115.6 | 267 | 90 | 19.51 | 19.14 | 0.37 | |
| . 21 | SRG | EPU | 2 28 1.04 | | | | 43 | 2.9 | 130.4 | 60 | 90 | 21.69 | 21.55 | 0.14 | |
| . 21 | MPN | EPD4 | 2 28 1.44 | | | | | | 130.8 | 72 | 90 | 22.09 | 21.62 | 0.47 | |

LOCAL-LOCAL DATA BRIEF

| | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1980 | | | | | | | | | | | | | | | |
| | LONG = 116.274 W | | ERY = 0.2 | GAP = 124 | | | | AVXM = | | GS = B | | LATHROP WELLS | | | |
| | DEPTH = 2.83 KM | | ERZ = 3.1 | NM = | | | | | | GD = B | | | | | |
| 24 | CDH1 | IPD | 6 2 29.04 | | | | | 20 | 1.8 | 6.1 | 321 | 103 | 1.38 | 1.37 | 0.01 |
| 24 | CDH5 | IPD | 6 2 29.05 | | | | | 15 | 1.5 | 6.1 | 321 | 103 | 1.39 | 1.37 | 0.02 |
| 24 | LSM | EPD | 6 2 29.04 | | | | | 20 | 1.8 | 8.7 | 179 | 99 | 1.78 | 1.78 | -0.00 |
| 24 | LCP | IPU | 6 2 29.63 | | | | | 11 | 1.2 | 10.3 | 67 | 97 | 1.97 | 2.05 | -0.07 |
| 24 | SDM | EPD | 6 2 31.19 | | | | | | | 19.9 | 197 | 93 | 3.53 | 3.60 | -0.07 |
| 24 | BGB | EP | 6 2 32.06 | | | | | | | 24.8 | 10 | 93 | 4.40 | 4.39 | 0.01 |
| 24 | MCT | EPU | 6 2 33.40 | | | | | | | 32.8 | 122 | 92 | 5.74 | 5.69 | 0.05 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR H = 6 2 59.68 UTC | | | RMS = 0.05 | NO = 7 | | | | | | | | FREE DEPTH SOLUTION | | | |
| 24 LAT = 36.017 N | | | ERX = 0.4 | ERM = 0.5 | | | | AVFM = | 1.5 | Q = B | | | | | |
| LONG = 116.274 W | | | ERY = 0.3 | GAP = 124 | | | | AVXM = | | GS = B | | LATHROP WELLS | | | |
| DEPTH = 2.91 KM | | | ERZ = 3.3 | NM = | | | | | | GD = B | | | | | |
| 24 | CDH5 | IPU | 6 3 1.04 | | | | | 17 | 1.6 | 6.2 | 321 | 104 | 1.36 | 1.38 | -0.02 |
| 24 | CDH1 | EP | 6 3 1.12 | | | | | 25 | 1.9 | 6.2 | 321 | 104 | 1.44 | 1.38 | 0.06 |
| 24 | LSM | EPD | 6 3 1.64 | | | | | 25 | 2.0 | 8.7 | 179 | 99 | 1.76 | 1.78 | -0.02 |
| 24 | LCP | IPD | 6 3 1.65 | | | | | 12 | 1.3 | 10.4 | 67 | 98 | 1.97 | 2.05 | -0.08 |
| 24 | SDM | IPD | 6 3 3.21 | | | | | | | 19.9 | 197 | 94 | 3.53 | 3.59 | -0.06 |
| 24 | BGB | IPD | 6 3 4.08 | | | | | 8 | 1.0 | 24.9 | 10 | 93 | 4.40 | 4.40 | 0.00 |
| 24 | MCT | IPD | 6 3 5.42 | | | | | 8 | 1.1 | 32.8 | 122 | 92 | 5.78 | 5.69 | 0.06 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR H = 7 20 49.72 UTC | | | RMS = 0.07 | NO = 8 | | | | | | | | FREE DEPTH SOLUTION | | | |
| 24 LAT = 36.017 N | | | ERX = 0.5 | ERM = 0.6 | | | | AVFM = | 1.5 | Q = B | | | | | |
| LONG = 116.271 W | | | ERY = 0.3 | GAP = 122 | | | | AVXM = | | GS = B | | LATHROP WELLS | | | |
| DEPTH = 3.45 KM | | | ERZ = 3.1 | NM = | | | | | | GD = B | | | | | |
| 24 | CDH5 | IPU | 7 20 51.10 | | | | | 17 | 1.6 | 6.4 | 320 | 109 | 1.38 | 1.43 | -0.05 |
| 24 | CDH1 | IPD | 7 20 51.10 | | | | | 25 | 1.9 | 6.4 | 320 | 109 | 1.46 | 1.43 | 0.03 |
| 24 | LSM | EPU | 7 20 51.60 | | | | | 34 | 2.2 | 8.6 | 180 | 103 | 1.88 | 1.79 | 0.09 |
| 24 | LCP | IPD | 7 20 51.64 | | | | | 11 | 1.2 | 10.2 | 66 | 101 | 1.92 | 2.04 | -0.11 |
| 24 | SSP | IPU | 7 20 52.19 | | | | | 10 | 1.2 | 12.9 | 21 | 99 | 2.47 | 2.48 | -0.00 |
| 24 | SDM | IPU | 7 20 53.23 | | | | | | | 19.9 | 197 | 95 | 3.51 | 3.60 | -0.09 |
| 24 | BGB | EP | 7 20 54.22 | | | | | 8 | 1.0 | 24.9 | 9 | 94 | 4.50 | 4.41 | 0.10 |
| 24 | MCT | IPU | 7 20 55.39 | | | | | | | 32.6 | 122 | 93 | 5.67 | 5.65 | 0.02 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR H = 3 48 37.94 UTC | | | RMS = 0.44 | NO = 22 | | | | | | | | FREE DEPTH SOLUTION | | | |
| 25 LAT = 36.018 N | | | ERX = 1.1 | ERM = 2.8 | | | | AVFM = | 2.5 | Q = D | | | | | |
| LONG = 116.091 W | | | ERY = 2.5 | GAP = 234 | | | | AVXM = | | GS = C | | ASH MEADOWS | | | |
| DEPTH = 3.30 KM | | | ERZ = 8.1 | NM = | | | | | | GD = D | | | | | |
| 25 | JCN | IPD | 3 48 45.85 | | | | | 36 | 2.4 | 47.7 | 359 | 38 | 7.91 | 8.48 | -0.49 |
| 25 | APR | EPU | 3 48 47.00 | | | | | 37 | 2.5 | 55.1 | 321 | 38 | 9.06 | 9.60 | -0.54 |
| 25 | GNV | IPU | 3 48 47.35 | | | | | 49 | 2.6 | 55.7 | 291 | 38 | 9.41 | 9.71 | -0.29 |
| 25 | MCT | IPU | 3 48 50.00 | | | | | | | 73.2 | 9 | 38 | 12.06 | 12.55 | -0.49 |
| 25 | SDM | EPU | 3 48 50.65 | | | | | 26 | 2.2 | 73.9 | 343 | 38 | 12.71 | 12.66 | 0.05 |
| 25 | SPRG | IPU | 3 48 51.35 | | | | | 63 | 3.8 | 80.8 | 18 | 38 | 13.41 | 13.65 | -0.24 |
| 25 | LSM | EP | 3 48 52.20 | | | | | 18 | 1.9 | 82.5 | 349 | 38 | 14.26 | 14.05 | 0.21 |
| 25 | FMT | IPD | 3 48 53.36 | | | | | 20 | 2.1 | 93.3 | 319 | 38 | 15.42 | 15.80 | -0.38 |
| 25 | LOP | EPU | 3 48 53.92 | | | | | 36 | 2.6 | 93.9 | 356 | 38 | 15.99 | 15.91 | 0.07 |
| 25 | CDH1 | EPD | 3 48 53.96 | | | | | 68 | 3.1 | 96.5 | 348 | 38 | 16.02 | 16.33 | -0.31 |
| 25 | CDH5 | EPD | 3 48 54.33 | | | | | 46 | 2.8 | 96.5 | 348 | 38 | 16.39 | 16.33 | 0.06 |
| 25 | SHAG | EPU | 3 48 54.53 | | | | | 24 | 2.2 | 100.4 | 57 | 38 | 16.59 | 16.96 | -0.37 |
| 25 | CPX | IPD | 3 48 55.24 | | | | | 32 | 2.5 | 102.0 | 2 | 38 | 17.30 | 17.22 | 0.08 |
| 25 | BGB | IPU | 3 48 57.46 | | | | | 27 | 2.4 | 114.7 | 354 | 38 | 19.52 | 19.29 | 0.23 |
| 25 | NMN | EPU | 3 49 0.81 | | | | | 28 | 2.5 | 135.5 | 331 | 30 | 22.87 | 22.67 | 0.20 |
| 25 | SGV | EPD | 3 49 [illegible].93 | | | | | 33 | 2.6 | 136.8 | 322 | 30 | 22.96 | 22.84 | 0.12 |
| 25 | BMT | EPU | 3 49 3.20 | | | | | 37 | 2.8 | 146.8 | 344 | 30 | 25.26 | 24.13 | 1.13 |
| 25 | TPO | IPD | 3 49 2.25 | | | | | | | 147.5 | 307 | 30 | 24.31 | 24.22 | 0.09 |
| 25 | GPR | EP | 3 49 2.83 | | | | | 21 | 2.3 | 149.7 | 11 | 30 | 24.89 | 24.51 | 0.38 |
| 25 | EPR | EPU | 3 49 3.59 | | | | | 35 | 2.7 | 151.9 | 32 | 30 | 25.65 | 24.81 | 0.85 |
| 25 | GVN | IPD | 3 49 4.49 | | | | | 30 | 2.6 | 157.1 | 314 | 30 | 26.55 | 25.47 | 1.08 |
| 25 | BLT | IPU | 3 49 5.05 | | | | | 32 | 2.7 | 161.1 | 359 | 30 | 27.11 | 26.00 | 1.12 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR H = 10 40 30.33 UTC | | | RMS = 0.11 | NO = 23 | | | | | | | | FREE DEPTH SOLUTION | | | |
| 25 LAT = 37.319 N | | | ERX = 0.3 | ERM = 0.4 | | | | AVFM = | 3.1 | Q = C | | | | | |
| LONG = 116.304 W | | | ERY = 0.2 | GAP = 74 | | | | AVXM = | | GS = B | | SILENT CANYON - NORTH | | | |
| DEPTH = 3.78 KM | | | ERZ = 4.9 | NM = | | | | | | GD = C | | | | | |
| 25 | EPN | IPU | 10 40 32.70 | | | | | 133 | 3.4 | 11.4 | 184 | 101 | 2.37 | 2.30 | 0.06 |
| 25 | BMT | IPU* | 10 40 35.46 | | | | | 97 | 3.2 | 20.8 | 259 | 96 | 5.13 | 3.75 | 1.38 |
| 25 | BLT | IPD | 10 40 34.25 | | | | | 89 | 3.1 | 21.7 | 43 | 96 | 3.92 | 3.90 | 0.01 |
| 25 | GLR | IPU | 10 40 35.32 | | | | | | | 28.6 | 118 | 94 | 4.49 | 5.02 | -0.03 |

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | CDMS | IPU4 | 17 53 33.12 | | | | 19 | 1.7 | 6.2 | 321 | 108 | 1.33 | 1.41 | -0.08 | |
| 29 | CDMI | IPD | 17 53 33.22 | | | | 25 | 1.9 | 6.2 | 321 | 108 | 1.43 | 1.41 | 0.02 | |
| 29 | LSM | IPD | 17 53 33.68 | | | | | | 8.7 | 179 | 103 | 1.81 | 1.79 | 0.02 | |
| 29 | LCP | IPD | 17 53 33.88 | | | | 15 | 1.5 | 10.3 | 96 | 101 | 2.01 | 2.05 | -0.04 | |
| 29 | SSP | IPU | 17 53 34.28 | | | | 13 | 1.4 | 12.9 | 22 | 98 | 2.41 | 2.48 | -0.06 | |
| 29 | SDM | EPU | 17 53 35.34 | | | | 6 | 0.8 | 19.9 | 197 | 95 | 3.55 | 3.60 | -0.05 | |
| 29 | BGB | EP | 17 53 36.38 | | | | 6 | 0.8 | 26.8 | 9 | 94 | 4.51 | 4.40 | 0.11 | |
| 29 | MCT | IPU | 17 53 37.58 | | | | 19 | 1.8 | 32.7 | 122 | 93 | 5.71 | 5.68 | 0.04 | |
| 29 | JON | EPD3 | 17 53 39.68 | | | | 6 | 0.8 | 44.5 | 166 | 92 | 7.81 | 7.60 | 0.21 | |

APR H = 9 33 59.44 UTC RMS = 0.07 NO = 11 — FREE DEPTH SOLUTION
30 LAT = 36.639 N ERX = 0.4 ERH = 0.5 AVFM = 1.7 Q = B
LONG = 115.999 W ERY = 0.3 GAP = 133 AVXM = QS = A — MERCURY
DEPTH = 12.44 KM ERZ = 1.8 NM = QD = B

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | MCT | IPU | 9 34 1.79 | | | | 24 | 1.9 | 4.2 | 53 | 160 | 2.35 | 2.31 | 0.03 | |
| 30 | SPRG | IPU | 9 34 3.20 | | | | 12 | 1.4 | 10.0 | 70 | 122 | 3.76 | 3.79 | -0.04 | |
| 30 | JON | IPD | 9 34 4.08 | | | | 17 | 1.7 | 24.0 | 203 | 115 | 4.63 | 4.66 | -0.03 | |
| 30 | LSM | IPU | 9 34 4.51 | | | | 42 | 2.5 | 26.8 | 295 | 113 | 5.07 | 5.06 | 0.01 | |
| 30 | LCP | EP | 9 34 4.68 | | | | 15 | 1.6 | 28.2 | 328 | 112 | 5.24 | 5.28 | -0.04 | |
| 30 | SDM | IPU | 9 34 4.96 | | | | 15 | 1.6 | 30.3 | 271 | 110 | 5.51 | 5.60 | -0.08 | |
| 30 | CPX | EPU | 9 34 5.49 | | | | | | 32.6 | 351 | 109 | 6.04 | 5.94 | 0.10 | |
| 30 | SSP | EP | 9 34 6.06 | | | | 12 | 1.4 | 37.3 | 328 | 107 | 6.62 | 6.67 | -0.06 | |
| 30 | CDMS | IPU | 9 34 6.06 | | | | 12 | 1.4 | 37.6 | 311 | 106 | 6.62 | 6.72 | -0.10 | |
| 30 | CDMI | IPD | 9 34 6.17 | | | | 20 | 1.9 | 37.6 | 311 | 106 | 6.73 | 6.72 | 0.01 | |
| 30 | BMT | EPD4 | 9 34 15.36 | | | | | | 85.9 | 326 | 97 | 15.91 | 14.43 | 1.48 | |
| 30 | NPN | EPU | 9 34 16.45 | | | | | | 87.9 | 304 | 97 | 15.88 | 14.76 | 0.29 | |

MAY H = 7 38 28.36 UTC RMS = 0.10 NO = 9 — FREE DEPTH SOLUTION
02 LAT = 36.817 N ERX = 0.7 ERH = 0.8 AVFM = 1.4 Q = B
LONG = 116.268 W ERY = 0.4 GAP = 128 AVXM = QS = B — LATHROP WELLS
DEPTH = 3.56 KM ERZ = 3.8 NM = QD = B

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | CDMI | IPD | 7 38 29.78 | | | | 27 | 2.0 | 6.5 | 318 | 109 | 1.48 | 1.47 | 0.01 | |
| 02 | LSM | IPD | 7 38 30.08 | | | | 31 | 2.1 | 8.6 | 182 | 104 | 1.78 | 1.79 | -0.09 | |
| 02 | LCP | IPD | 7 38 30.29 | | | | 15 | 1.5 | 9.9 | 65 | 102 | 1.99 | 2.00 | -0.01 | |
| 02 | SSP | IPU | 7 38 30.76 | | | | 15 | 1.5 | 12.8 | 20 | 99 | 2.46 | 2.46 | 0.00 | |
| 02 | SDM | IPD | 7 38 31.88 | | | | 5 | 0.6 | 20.0 | 198 | 96 | 3.58 | 3.62 | -0.12 | |
| 02 | CPX | EP | 7 38 32.16 | | | | 7 | 0.9 | 22.5 | 56 | 95 | 3.86 | 4.02 | -0.16 | |
| 02 | BGB | IPD | 7 38 32.75 | | | | 7 | 0.9 | 28.8 | 8 | 95 | 4.45 | 4.40 | 0.05 | |
| 02 | MCT | IPD | 7 38 33.99 | | | | 19 | 1.8 | 32.3 | 122 | 93 | 5.69 | 5.61 | 0.08 | |
| 02 | JON | EPD | 7 38 36.10 | | | | 7 | 1.0 | 44.3 | 161 | 92 | 7.80 | 7.57 | 0.23 | |

MAY H = 10 31 18.71 UTC RMS = 0.13 NO = 12 — FREE DEPTH SOLUTION
03 LAT = 36.456 N ERX = 0.7 ERH = 1.2 AVFM = 1.7 Q = C
LONG = 117.056 W ERY = 1.0 GAP = 136 AVXM = QS = B — PANAMINT BUTTE
DEPTH = 14.61 KM ERZ = 2.2 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | PGE | IPD | 10 31 22.04 | | | | 8 | 1.0 | 12.2 | 194 | 138 | 3.33 | 3.30 | 0.03 | |
| 03 | CMV | EP 4 | 10 31 36.55 | | | | 12 | 1.4 | 45.9 | 131 | 106 | 17.84 | 8.11 | 9.73 | |
| 03 | TPO | EPD | 10 31 27.41 | | | | | | 49.7 | 321 | 105 | 8.70 | 8.72 | -0.02 | |
| 03 | BRO | EP 2 | 10 31 27.46 | | | | | | 51.2 | 49 | 104 | 8.75 | 8.95 | -0.20 | |
| 03 | APR | EPU3 | 10 31 27.54 | | | | | | 53.6 | 97 | 104 | 8.83 | 9.17 | -0.34 | |
| 03 | SGV | EPU3 | 10 31 29.09 | | | | 14 | 1.6 | 58.[illegible] | 2 | 103 | 10.38 | 10.03 | 0.35 | |
| | | ISU4 | 10 31 36.30 | | | | | | | | | 17.29 | 17.54 | -0.26 | |
| 03 | NPN | EPU2 | 10 31 31.25 | | | | 9 | 1.3 | 72.2 | 17 | 100 | 12.54 | 12.29 | 0.25 | |
| 03 | LSM | EPD3 | 10 31 32.35 | | | | 29 | 2.3 | 76.7 | 66 | 100 | 13.64 | 13.01 | 0.63 | |
| 03 | CDMI | IPD | 10 31 32.13 | | | | 22 | 2.1 | 79.6 | 56 | 99 | 13.42 | 13.47 | -0.05 | |
| 03 | CDMS | EPU | 10 31 32.12 | | | | 17 | 1.9 | 79.6 | 56 | 99 | 13.41 | 13.47 | -0.06 | |
| 03 | LCP | EPU | 10 31 34.06 | | | | 16 | 1.7 | 90.7 | 41 | 98 | 15.35 | 15.25 | 0.09 | |
| 03 | SSP | EPU8 | 10 31 34.34 | | | | 17 | 1.9 | 91.0 | 55 | 98 | 15.63 | 15.30 | 0.33 | |
| 03 | BMT | EPU | 10 31 35.79 | | | | | | 102.7 | 27 | 53 | 17.08 | 16.83 | 0.25 | |
| 03 | EPN | EPU3 | 10 31 37.20 | | | | 13 | 1.7 | 106.3 | 38 | 53 | 18.49 | 17.30 | 1.19 | |

MAY H = 11 36 39.05 UTC RMS = 0.05 NO = 10 — FREE DEPTH SOLUTION
08 LAT = 37.165 N ERX = 0.2 ERH = 0.3 AVFM = 1.4 Q = B
LONG = 117.413 W ERY = 0.2 GAP = 129 AVXM = QS = A — MT. JACKSON
DEPTH = 7.17 KM ERZ = 1.8 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | GVN | IPU | 11 36 42.68 | | | | 20 | 1.8 | 19.2 | 161 | 107 | 3.63 | 3.61 | 0.03 | |
| 08 | GRN | IPU | 11 36 42.79 | | | | 10 | 1.2 | 20.2 | 82 | 106 | 3.74 | 3.77 | -0.02 | |
| 08 | LCM | IPU | 11 36 43.10 | | | | 14 | 1.5 | 22.2 | 290 | 105 | 4.05 | 4.08 | -0.03 | |
| 08 | MRN | IPU2 | 11 36 44.75 | | | | 10 | 1.2 | 31.5 | 346 | 100 | 5.70 | 5.56 | 0.14 | |
| 08 | SGV | IPU | 11 36 45.81 | | | | 22 | 2.0 | 39.5 | 121 | 98 | 6.76 | 6.84 | -0.07 | |

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SNAG | UNW | PMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | LSM | IPD | 0 33 34.71 | | | | 31 | 2.2 | 12.8 | 299 | 118 | 2.75 | 2.69 | 0.06 | |
| 14 | SDM | EPD | 0 33 36.35 | | | | 7 | 0.9 | 24.0 | 289 | 105 | 4.39 | 4.51 | -0.12 | |
| 14 | MCT | IPU | 0 33 37.15 | | | | 18 | 1.7 | 29.2 | 135 | 103 | 5.19 | 5.22 | -0.03 | |
| 14 | JOM | EPU | 0 33 39.06 | | | | 6 | 0.8 | 45.3 | 169 | 98 | 7.40 | 7.29 | 0.11 | |

MAY M = 1 30 38.60 UTC RMS = 0.11 NO = 8
15 LAT = 36.504 N ERX = 1.2 ERM = 1.6 AVPM = 1.4 Q = D
LONG = 115.096 W ERY = 1.1 GAP = 229 AVXM = GS = C
DEPTH = 5.00 KM ERZ = 7.8 NM = QP = D

FIXED DEPTH SOLUTION
DEPTH CONTROL INADEQUATE
MERCURY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | MCT | IPU | 1 30 41.09 | | | | 26 | 2.0 | 18.5 | 341 | 101 | 3.49 | 3.40 | -0.12 | |
| 15 | JOM | IPD | 1 30 42.21 | | | | 9 | 1.1 | 19.9 | 269 | 100 | 3.61 | 3.63 | -0.03 | |
| 15 | SPRG | EPD | 1 30 42.60 | | | | 12 | 1.4 | 22.4 | 20 | 99 | 4.00 | 4.04 | -0.05 | |
| 15 | LSM | EP 0 | 1 30 45.97 | | | | 9 | 1.2 | 42.6 | 308 | 95 | 7.37 | 7.29 | 0.07 | |
| 15 | SDM | EPU | 1 30 45.76 | | | | | | 42.6 | 292 | 95 | 7.16 | 7.30 | -0.14 | |
| 15 | LOP | EPU0 | 1 30 46.51 | | | | 12 | 1.4 | 45.8 | 326 | 94 | 7.91 | 7.82 | 0.09 | |
| 15 | CDM1 | IPU0 | 1 30 48.42 | | | | | | 54.6 | 316 | 94 | 9.82 | 9.25 | 0.17 | |
| 15 | CDMS | IPU3 | 1 30 48.05 | | | | | | 54.6 | 316 | 94 | 9.45 | 9.25 | 0.20 | |
| 15 | BRO | EPU3 | 1 30 51.55 | | | | | | 71.3 | 294 | 93 | 12.95 | 11.96 | 0.99 | |

MAY M = 16 49 8.20 UTC RMS = 0.09 NO = 8
16 LAT = 37.078 N ERX = 0.9 ERM = 1.0 AVPM = 1.9 Q = C
LONG = 116.055 W ERY = 0.4 GAP = 162 AVXM = GS = B
DEPTH = 8.66 KM ERZ = 3.8 NM = QD = C

FREE DEPTH SOLUTION
SILENT CANYON - YUCCA FLAT

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | BGB | IPD | 16 49 11.46 | | | | 17 | 1.6 | 15.9 | 255 | 115 | 3.26 | 3.19 | 0.07 | |
| 16 | CPX | IPD0 | 16 49 11.24 | | | | | | 16.1 | 181 | 115 | 3.04 | 3.23 | -0.18 | |
| 16 | SSR | EPU0 | 16 49 12.24 | | | | | | 22.1 | 221 | 108 | 4.04 | 4.12 | -0.08 | |
| 16 | LOP | EPU | 16 49 13.19 | | | | 24 | 2.3 | 26.4 | 202 | 105 | 4.99 | 4.80 | 0.19 | |
| 16 | CDMS | IPU0 | 16 49 13.95 | | | | 26 | 2.1 | 33.3 | 225 | 102 | 5.75 | 5.89 | -0.14 | |
| 16 | CDM1 | IPU0 | 16 49 13.90 | | | | 32 | 2.5 | 33.3 | 225 | 102 | 5.79 | 5.89 | -0.10 | |
| 16 | LSM | EP 4 | 16 49 16.75 | | | | | | 41.9 | 207 | 100 | 8.55 | 7.27 | 1.29 | |
| 16 | WLT | EPU0 | 16 49 15.67 | | | | | | 43.5 | 351 | 99 | 7.47 | 7.53 | -0.05 | |
| | | ISD4 | 16 49 21.27 | | | | | | | | | 13.07 | 13.17 | -0.10 | |
| 16 | SPRG | EPD | 16 49 16.40 | | | | 12 | 1.5 | 47.5 | 153 | 99 | 8.20 | 8.16 | 0.04 | |

MAY M = 1 43 11.44 UTC RMS = 0.38 NO = 9
18 LAT = 36.819 N ERX = 2.5 ERM = 3.1 AVPM = 1.3 Q = C
LONG = 116.273 W ERY = 1.9 GAP = 123 AVXM = GS = C
DEPTH = 9.38 KM ERZ = 5.9 NM = QD = B

FREE DEPTH SOLUTION
LATHROP WELLS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | CDM1 | IPD | 1 43 13.63 | | | | 23 | 1.9 | 6.0 | 319 | 145 | 2.19 | 1.99 | 0.20 | |
| 18 | CDMS | IPU | 1 43 13.60 | | | | 17 | 1.6 | 6.0 | 319 | 145 | 2.16 | 1.99 | 0.17 | |
| 18 | LSM | EP 3 | 1 43 13.45 | | | | 9 | 1.1 | 8.9 | 179 | 133 | 2.01 | 2.30 | -0.29 | |
| 18 | LOP | IPD | 1 43 13.63 | | | | 11 | 1.2 | 10.3 | 68 | 129 | 2.19 | 2.46 | -0.27 | |
| 18 | SSP | IPU0 | 1 43 14.11 | | | | 7 | 0.9 | 12.7 | 23 | 123 | 2.67 | 2.79 | -0.12 | |
| 18 | SDM | IPU | 1 43 15.27 | | | | | | 20.1 | 197 | 112 | 3.83 | 3.87 | -0.03 | |
| 18 | BGB | EPU3 | 1 43 16.99 | | | | | | 24.6 | 18 | 108 | 5.46 | 4.55 | 0.92 | |
| 18 | MCT | IPD | 1 43 17.60 | | | | 12 | 1.4 | 32.9 | 122 | 104 | 6.16 | 5.84 | 0.32 | |
| 18 | EPM | EPU1 | 1 43 17.56 | | | | | | 44.0 | 354 | 100 | 6.12 | 7.62 | -1.50 | |

MAY M = 17 56 25.58 UTC RMS = 0.27 NO = 8
18 LAT = 36.930 N ERX = 2.2 ERM = 3.6 AVPM = 1.2 Q = D
LONG = 116.009 W ERY = 2.9 GAP = 204 AVXM = GS = C
DEPTH = 33.89 KM ERZ = 4.3 NM = QD = D

FREE DEPTH SOLUTION
LATHROP WELLS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | CPX | IPU | 17 56 31.01 | | | | 5 | 0.5 | 4.4 | 268 | 171 | 5.43 | 5.40 | 0.03 | |
| 18 | LOP | EPU3 | 17 56 33.11 | | | | 11 | 1.3 | 16.5 | 239 | 149 | 6.53 | 5.94 | 0.59 | |
| 18 | SSP | EPU0 | 17 56 33.19 | | | | 6 | 0.8 | 18.7 | 268 | 145 | 7.61 | 6.10 | 1.52 | |
| | | ISD | 17 56 37.17 | | | | | | | | | 11.59 | 10.67 | 0.92 | |
| 18 | BGB | EPD | 17 56 32.28 | | | | | | 22.9 | 301 | 139 | 6.70 | 6.43 | 0.28 | |
| 18 | CDM1 | EP | 17 56 32.25 | | | | 19 | 1.8 | 28.6 | 254 | 131 | 6.67 | 6.96 | -0.28 | |
| 18 | CDMS | EP | 17 56 32.40 | | | | 9 | 1.1 | 28.6 | 254 | 131 | 6.90 | 6.96 | -0.05 | |
| 18 | MCT | EPU | 17 56 32.45 | | | | 13 | 1.5 | 30.1 | 172 | 130 | 6.87 | 7.11 | -0.23 | |
| 18 | LSM | EP 4 | 17 56 34.00 | | | | 11 | 1.3 | 31.7 | 228 | 128 | 8.42 | 7.26 | 1.16 | |
| 18 | SPRG | IPD | 17 56 32.89 | | | | 7 | 0.9 | 31.7 | 146 | 128 | 7.31 | 7.27 | 0.05 | |

MAY M = 4 16 35.37 UTC RMS = 0.43 NO = 31
19 LAT = 37.076 N ERX = 0.7 ERM = 1.0 AVPM = 2.9 Q = C
LONG = 117.078 W ERY = 0.3 GAP = 64 AVXM = GS = C
DEPTH = 1.74 KM ERZ = 3.3 NM = QD = C

FREE DEPTH SOLUTION
MT. JACKSON



90814 02230

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | AMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | SSP | IPU | 9 4 32.16 | | | | 27 | 2.1 | 19.8 | 283 | 100 | 3.75 | 3.62 | 0.13 | |
| 03 | MCY | IPU | 9 4 32.85 | | | | 20 | 1.8 | 25.2 | 172 | 97 | 4.40 | 4.40 | -0.00 | |
| 03 | BGB | IPU | 9 4 32.95 | | | | 17 | 1.7 | 26.3 | 310 | 97 | 4.54 | 4.65 | -0.12 | |
| 03 | CPM1 | EPD | 9 4 33.40 | | | | 17 | 1.7 | 28.3 | 266 | 97 | 4.99 | 4.99 | -0.00 | |
| 03 | CDMS | EP 4 | 9 4 34.09 | | | | 5 | 0.6 | 28.3 | 266 | 97 | 5.68 | 4.99 | 0.69 | |
| 03 | GLR | EPU4 | 9 4 34.18 | | | | 18 | 1.5 | 30.8 | 350 | 95 | 5.69 | 6.03 | -0.34 | |
| | | FS | 9 4 38.95 | | | | | | | | | 10.54 | 10.56 | -0.02 | |
| 03 | LPM | EP 2 | 9 4 36.50 | | | | 20 | 1.9 | 46.3 | 322 | 94 | 8.09 | 7.90 | 0.18 | |
| 03 | GPM | IPU | 9 4 37.60 | | | | 8 | 1.1 | 53.7 | 22 | 93 | 9.19 | 9.10 | 0.08 | |
| 03 | BLT | EPU | 9 4 39.05 | | | | 12 | 1.5 | 64.9 | 349 | 93 | 10.64 | 10.92 | -0.29 | |

JUN M = 19 54 35.79 UTC RMS = 0.20 NO = 13
04 LAT = 37.584 N ERX = 0.7 ERM = 1.0 AVFM = 2.1 Q = C
LONG = 116.465 W ERY = 0.7 GAP = 97 AVXM = QS = B
DEPTH = 8.74 KM ERZ = 2.0 NM = QD = C

FREE DEPTH SOLUTION
QUARTZITE MOUNTAIN

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | XRNA | IPD | 19 54 34.61 | | | | 27 | 2.1 | 19.8 | 22 | 111 | 3.82 | 3.79 | 0.04 |
| 04 | CTS | IPU | 19 54 40.69 | | | | 16 | 1.6 | 23.8 | 285 | 107 | 4.38 | 4.48 | -0.09 |
| 04 | BLT | IPU | 19 54 41.10 | | | | 25 | 2.0 | 32.3 | 115 | 103 | 5.31 | 5.73 | -0.41 |
| 04 | BPT | IPD4 | 19 54 41.91 | | | | 28 | 2.1 | 33.9 | 190 | 102 | 6.12 | 5.99 | 0.13 |
| 04 | EPM | IPU | 19 54 43.18 | | | | 27 | 2.1 | 43.0 | 163 | 100 | 7.39 | 7.43 | -0.04 |
| 04 | GLR | IPU4 | 19 54 46.25 | | | | 18 | 1.6 | 58.5 | 137 | 97 | 10.46 | 9.90 | 0.56 |
| 04 | NPM | IPD4 | 19 54 46.32 | | | | 28 | 2.2 | 64.8 | 209 | 96 | 10.53 | 10.53 | -0.30 |
| 04 | BGB | EPD4 | 19 54 49.11 | | | | 22 | 2.0 | 68.2 | 161 | 96 | 13.32 | 10.86 | 2.47 |
| 04 | GPR | EPD4 | 19 54 45.27 | | | | 18 | 1.9 | 67.4 | 114 | 96 | 9.48 | 11.37 | -1.89 |
| 04 | TPU | IPD3 | 19 54 47.87 | | | | 17 | 1.8 | 72.1 | 86 | 96 | 11.28 | 12.13 | -0.85 |
| 04 | LPM | EPU4 | 19 54 48.78 | | | | | | 77.1 | 246 | 95 | 12.99 | 12.94 | 0.05 |
| 04 | SGV | IPD4 | 19 54 49.58 | | | | 27 | 2.3 | 83.7 | 217 | 95 | 13.79 | 14.01 | -0.22 |
| 04 | GVN | EPD4 | 19 54 52.50 | | | | 25 | 2.3 | 101.2 | 230 | 94 | 16.81 | 16.84 | -0.03 |
| 04 | LCN | IPU4 | 19 54 54.58 | | | | 19 | 2.1 | 111.6 | 258 | 94 | 18.79 | 18.54 | 0.25 |
| 04 | SPRG | EPU | 19 54 54.79 | | | | 25 | 2.3 | 117.7 | 149 | 53 | 19.80 | 19.97 | 0.04 |
| 04 | SVP | IPD4 | 19 54 56.25 | | | | 20 | 2.. | 118.8 | 277 | 53 | 20.46 | 19.50 | 0.97 |

JUN M = 19 43 17.18 UTC RMS = 0.19 NO = 12
06 LAT = 36.888 N ERX = 1.2 ERM = 1.4 AVFM = 1.8 Q = C
LONG = 115.727 W ERY = 0.6 GAP = 283 AVXM = QS = B
DEPTH = 1.12 KM ERZ = 1.9 NM = QD = D

FREE DEPTH SOLUTION
MERCURY

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | SPRG | EP | 19 43 21.02 | | | | 20 | 2.1 | 22.8 | 149 | 38 | 3.64 | 4.17 | -0.33 |
| 06 | CPX | EPD | 19 43 22.41 | | | | 14 | 1.5 | 29.8 | 279 | 38 | 5.23 | 5.32 | -0.09 |
| 06 | MCY | IPU | 19 43 22.91 | | | | 26 | 2.1 | 32.7 | 220 | 38 | 5.73 | 5.79 | -0.06 |
| 06 | LOP | EPU | 19 43 24.06 | | | | 13 | 1.5 | 39.8 | 264 | 38 | 6.88 | 6.88 | 0.00 |
| 06 | GLR | EPD | 19 43 24.56 | | | | 19 | 1.3 | 43.1 | 323 | 38 | 7.38 | 7.48 | -0.10 |
| 06 | SSP | EP 3 | 19 43 25.25 | | | | 12 | 1.4 | 44.0 | 275 | 38 | 8.07 | 7.62 | 0.45 |
| 06 | BGB | EP 0 | 19 43 25.22 | | | | 10 | 1.3 | 47.5 | 298 | 38 | 8.04 | 8.20 | -0.16 |
| 06 | GPR | EP 3 | 19 43 25.97 | | | | 12 | 1.5 | 49.6 | 356 | 38 | 8.79 | 8.54 | 0.25 |
| 06 | CDM1 | EPU0 | 19 43 26.23 | | | | 11 | 1.4 | 52.7 | 267 | 38 | 9.05 | 9.04 | 0.01 |
| 06 | CDMS | EPU0 | 19 43 32.18 | | | | 1 | -0.7 | 52.7 | 367 | 38 | 15.00 | 9.04 | 5.96 |
| 06 | JON | EPU | 19 43 27.66 | | | | 21 | 2.0 | 60.0 | 214 | 35 | 10.48 | 10.23 | 0.25 |
| 06 | SOM | EPD2 | 19 43 27.95 | | | | 18 | 1.3 | 60.8 | 244 | 38 | 10.77 | 10.36 | 0.41 |
| | | ISU0 | 19 43 35.50 | | | | | | | | | 10.32 | 10.12 | 0.19 |

JUN M = 2 8 55.24 UTC RMS = 0.13 NO = 4
07 LAT = 36.923 N ERX = ERM = AVFM = 2.1 Q = C
LONG = 116.966 W ERY = GAP = 162 AVXM = QS = A
DEPTH = 22.16 KM ERZ = NM = QD = D

FREE DEPTH SOLUTION
CHLORIDE CLIFF

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | FPT | EPU4 | 2 9 9.95 | | | | | | 35.7 | 152 | 121 | 14.73 | 7.07 | 7.66 |
| 07 | TPO | EPU0 | 2 9 3.25 | | | | 23 | 2.0 | 41.3 | 252 | 117 | 8.03 | 7.87 | 0.16 |
| 07 | MCA | IPU | 2 9 2.74 | | | | 21 | 1.9 | 41.3 | 222 | 117 | 7.72 | 7.87 | -0.16 |
| 07 | PGE | EPD4 | 2 9 5.70 | | | | 17 | 1.8 | 44.3 | 108 | 53 | 10.56 | 11.10 | -0.55 |
| 07 | LSM | EPU4 | 2 9 17.56 | | | | 29 | 2.3 | 65.4 | 108 | 53 | 22.34 | 11.25 | 11.09 |
| 07 | EPM | IPU0 | 2 9 6.62 | | | | 26 | 2.2 | 65.8 | 61 | 53 | 11.40 | 11.29 | 0.10 |
| 07 | LOP | EPU4 | 2 9 18.25 | | | | 29 | 2.3 | 71.3 | 96 | 53 | 15.03 | 12.07 | 2.97 |
| 07 | CTS | EPU0 | 2 9 8.57 | | | | 19 | 2.0 | 82.4 | 15 | 53 | 13.35 | 13.46 | -0.11 |
| 07 | MCY | IPD4 | 2 9 13.94 | | | | 23 | 2.2 | 94.3 | 108 | 53 | 16.72 | 15.00 | 3.71 |
| 07 | BLT | IPD4 | 2 9 13.05 | | | | 19 | 2.0 | 95.1 | 51 | 53 | 17.43 | 15.10 | 2.72 |
| 07 | OSM | EPD4 | 2 9 10.00 | | | | 24 | 2.3 | 106.6 | 175 | 53 | 14.78 | 16.60 | -1.82 |

JUN M = 12 8 32.82 UTC RMS = 0.03 NO = 7
07 LAT = 36.613 N ERX = 0.2 ERM = 0.2 AVFM = 1.7 Q = A
LONG = 116.271 W ERY = 0.2 GAP = 156 AVXM = QS = A
DEPTH = 9.51 KM ERZ = 0.5 NM = QD = C

FREE DEPTH SOLUTION
LATHROP WELLS

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | SGM | IPU | 12 8 30.94 | | | | 16 | 1.6 | 7.0 | 301 | 141 | 2.12 | 2.12 | 0.00 |

| 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PLN (SEC) | AMAG | UUM | PMAG | DIST (NM) | AZI (DEG) | AIN (DEG) | THUS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | BGB | EPU | 15 19 21.95 | | | | 23 | 2.4 | 99.8 | 97 | 92 | 16.64 | 16.59 | 0.05 | |
| 10 | GPM | EP 3 | 15 19 28.88 | | | | 19 | 7.2 | 100.9 | 84 | 53 | 23.57 | 22.72 | 0.85 | VERY E |

JUN M = 1 17 38.62 UTC RMS = 0.37 NO = 18 — FREE DEPTH SOLUTION
15 LAT = 36.001 N ERX = 1.4 ERM = 2.2 AVFM = 1.3 Q = C
LONG = 116.042 W ERY = 1.7 GAP = 125 AVXM = GS = C — LATHROP WELLS
DEPTH = 1.39 KM ERZ = 3.9 NM = GD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | LOP | IPU | 1 17 40.80 | 13 | 1.0 | 12.6 | 298 | 38 | 2.26 | 2.47 | -0.21 | | | |
| 15 | CPX | IPU2 | 1 17 40.62 | 11 | 1.3 | 14.3 | 354 | 38 | 2.90 | 2.74 | -0.16 | | | |
| 15 | MCY | EPD | 1 17 41.26 | 18 | 1.7 | 17.0 | 155 | 38 | 2.64 | 3.18 | -0.54 | | | |
| | | ISU | 1 17 43.04 | | | | | | 5.22 | 5.57 | -0.35 | | | |
| 15 | SSP | EPU | 1 17 43.20 | 8 | 1.0 | 20.9 | 311 | 38 | 4.54 | 3.81 | 0.77 | VERY E | | |
| 15 | LSM | EP | 1 17 42.76 | 8 | 1.0 | 21.6 | 252 | 38 | 4.14 | 3.93 | 0.22 | VERY E | | |
| 15 | SPRG | EP | 1 17 43.12 | 10 | 1.2 | 24.0 | 126 | 38 | 4.50 | 4.31 | 0.19 | | | |
| 15 | CDM1 | EPU | 1 17 42.96 | 12 | 1.4 | 25.4 | 285 | 38 | 4.34 | 4.55 | -0.21 | | | |
| 15 | BGB | EP | 1 17 44.12 | 10 | 1.2 | 31.1 | 328 | 38 | 5.50 | 5.47 | 0.03 | VERY E | | |
| 15 | SDM | EP | 1 17 44.66 | | | 31.6 | 237 | 38 | 5.98 | 5.55 | 0.44 | VERY E | | |

JUN M = 17 57 11.63 UTC RMS = 0.10 NO = 16 — FREE DEPTH SOLUTION
18 LAT = 36.698 N ERX = 0.2 ERM = 0.4 AVFM = 2.0 Q = C
LONG = 115.613 W ERY = 0.3 GAP = 119 AVXM = GS = B — MERCURY
DEPTH = 0.84 KM ERZ = 4.0 NM = GD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | SPRG | IPU | 17 57 14.98 | 24 | 2.0 | 17.8 | 269 | 38 | 3.27 | 3.43 | -0.15 | | | |
| 18 | MCY | EPU | 17 57 17.13 | 35 | 2.3 | 31.7 | 263 | 38 | 5.50 | 5.69 | -0.18 | | | |
| 18 | SPRG | EPU | 17 57 19.63 | 19 | 1.8 | 46.0 | 118 | 38 | 8.00 | 8.01 | -0.01 | | | |
| 18 | CPX | IPD | 17 57 19.83 | 16 | 1.7 | 47.5 | 303 | 38 | 8.20 | 8.25 | -0.05 | | | |
| 18 | JCN | IPD | 17 57 20.79 | 17 | 1.8 | 52.6 | 237 | 38 | 9.16 | 9.08 | 0.08 | | | |
| 18 | LCP | EPU | 17 57 20.78 | 21 | 2.0 | 52.7 | 289 | 38 | 9.11 | 9.10 | 0.02 | | | |
| 18 | LSM | EP 4 | 17 57 22.20 | 16 | 1.7 | 59.3 | 274 | 38 | 10.57 | 10.17 | 0.40 | VERY E | | |
| 18 | SSP | IPD | 17 57 21.96 | 23 | 2.1 | 59.9 | 295 | 38 | 10.33 | 10.26 | 0.07 | | | |
| 18 | EPR | EPU | 17 57 22.67 | 24 | 2.1 | 68.4 | 36 | 38 | 11.04 | 11.01 | 0.04 | | | |
| 18 | SDM | EP | 17 57 22.85 | 15 | 1.7 | 65.3 | 265 | 38 | 11.22 | 11.15 | 0.07 | VERY E | | |
| 18 | CDM1 | EPD | 17 57 22.90 | 17 | 1.8 | 65.7 | 286 | 38 | 11.27 | 11.20 | 0.07 | | | |
| 18 | GLR | IPD | 17 57 22.88 | 16 | 1.8 | 66.4 | 327 | 38 | 11.25 | 11.33 | -0.08 | | | |
| 18 | BGB | EPD | 17 57 22.91 | 18 | 1.9 | 66.7 | 304 | 38 | 11.28 | 11.38 | -0.09 | | | |
| 18 | GPM | EP | 17 57 23.71 | 20 | 2.0 | 72.0 | 349 | 38 | 12.08 | 12.24 | -0.15 | | | |
| 18 | PPN | EPD2 | 17 57 27.62 | 20 | 2.1 | 93.1 | 32 | 38 | 15.99 | 15.67 | 0.32 | | | |
| 18 | TPU | EPU4 | 17 57 29.98 | 19 | 2.0 | 100.7 | 358 | 38 | 18.35 | 16.90 | 1.45 | | | |
| 18 | BMT | EP 4 | 17 57 29.50 | 31 | 2.5 | 104.0 | 306 | 38 | 17.87 | 17.57 | 0.31 | | | |
| | | EPU3 | 17 57 42.70 | | | | | | 31.07 | 30.74 | 0.33 | | | |
| 18 | HTI | EPD4 | 17 57 30.06 | 23 | 2.2 | 112.6 | 15 | 38 | 19.03 | 18.85 | 0.39 | | | |
| 18 | NPN | IPD4 | 17 57 32.80 | 21 | 2.2 | 121.6 | 29 | 38 | 21.17 | 20.31 | 0.87 | | | |
| 18 | SGV | EP | 17 57 33.65 | 29 | 2.5 | 130.8 | 284 | 38 | 22.02 | 21.79 | 0.23 | | | |

JUN M = 2 33 21.71 UTC RMS = 0.13 NO = 12 — FREE DEPTH SOLUTION
19 LAT = 36.712 N ERX = 0.4 ERM = 0.6 AVFM = 1.6 Q = B
LONG = 116.254 W ERY = 0.5 GAP = 104 AVXM = C GS = A — LATHROP WELLS
DEPTH = 1.02 KM ERZ = 0.8 NM = GD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | LSM | IPU | 2 33 22.64 | 17 | 1.6 | 3.3 | 332 | 107 | 0.93 | 0.92 | 0.01 | | | |
| 19 | SDM | IPD4 | 2 33 22.80 | 16 | 1.6 | 10.5 | 225 | 38 | 1.09 | 2.21 | -1.11 | | | |
| 19 | CDM1 | IPU | 2 33 24.96 | 16 | 1.6 | 17.[illegible] | 341 | 38 | 3.25 | 3.32 | -0.06 | | | |
| 19 | CDM5 | EP 4 | 2 33 26.05 | 7 | 0.9 | 17.4 | 341 | 38 | 4.34 | 3.32 | 1.03 | VERY E | | |
| 19 | LCP | IPD | 2 33 24.98 | 21 | 1.8 | 17.5 | 26 | 38 | 3.23 | 3.35 | -0.11 | | | |
| 19 | SSP | EP 3 | 2 33 26.42 | 27 | 2.1 | 23.8 | 8 | 38 | 4.71 | 4.37 | 0.35 | VERY E | | |
| 19 | MCY | IPU | 2 33 26.47 | 26 | 2.1 | 26.7 | 102 | 38 | 4.76 | 4.83 | -0.07 | | | |
| 19 | CPX | EPD | 2 33 27.03 | 16 | 1.6 | 29.7 | 36 | 38 | 5.32 | 5.33 | -0.00 | | | |
| 19 | JCN | IPU | 2 33 27.75 | 12 | 1.4 | 33.1 | 156 | 38 | 5.64 | 5.88 | -0.24 | | | |
| 19 | BPD | EP | 2 33 27.64 | 9 | 1.2 | 33.6 | 290 | 38 | 5.93 | 5.96 | -0.03 | VERY E | | |
| 19 | BGB | EP | 2 33 28.14 | 16 | 1.7 | 36.2 | 4 | 38 | 6.43 | 6.38 | 0.05 | VERY E | | |
| 19 | SPRG | EPD | 2 33 28.76 | 20 | 1.9 | 39.8 | 93 | 38 | 7.05 | 6.97 | 0.08 | | | |
| 19 | BMT | EP | 2 33 30.03 | 11 | 1.8 | 47.6 | 260 | 38 | 8.32 | 8.22 | 0.10 | VERY E | | |
| 19 | NPN | EP 4 | 2 33 34.50 | 19 | 1.9 | 68.8 | 309 | 38 | 12.79 | 11.03 | 1.76 | VERY E | | |
| 19 | APK | EP | 2 33 34.63 | 14 | 1.7 | 70.9 | 126 | 38 | 12.92 | 12.67 | 0.25 | VERY E | | |

JUN M = 4 4 0.48 UTC RMS = 0.09 NO = 6 — FREE DEPTH SOLUTION
19 LAT = 36.526 N ERX = 0.2 ERM = 0.4 AVFM = 1.4 Q = C
LONG = 116.372 W ERY = 0.3 GAP = 107 AVXM = GS = B — LATHROP WELLS
DEPTH = 6.27 KM ERZ = 3.7 NM = GD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | SDM | IPU3 | 4 4 10.70 | 11 | 1.3 | 13.6 | 13 | 110 | 2.26 | 2.69 | -0.44 | | | |
| 19 | APK | EP 6 | 4 4 11.64 | 14 | 1.6 | 14.9 | 213 | 106 | 3.16 | 3.21 | -0.04 | VERY E | | |
| 19 | JCN | IPU | 4 4 13.18 | 11 | 1.3 | 24.0 | 112 | 100 | 4.70 | 4.64 | 0.06 | | | |

| 1990 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIM (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | NPN | IPU | 8 21 44.91 | | | | 17 | 1.7 | 32.5 | 339 | 91 | 5.34 | 5.64 | -0.30 | |
| 04 | CDM1 | IPD | 8 21 45.17 | | | | | | 33.6 | 80 | 91 | 5.60 | 5.81 | -0.21 | |
| 04 | CDM5 | EPD3 | 8 21 45.17 | | | | | | 33.6 | 80 | 91 | 5.60 | 5.81 | -0.21 | |
| 04 | SCM | IPU | 8 21 45.76 | | | | 10 | 1.3 | 34.1 | 120 | 91 | 6.19 | 6.22 | -0.03 | |
| 04 | SGV | IPU | 8 21 45.85 | | | | 16 | 1.7 | 36.2 | 302 | 91 | 6.28 | 6.25 | 0.03 | |
| 04 | LSM | IPD | 8 21 46.27 | | | | 13 | 1.5 | 37.9 | 102 | 90 | 6.70 | 6.51 | 0.19 | |
| 04 | SSP | EP | 8 21 46.97 | | | | 20 | 1.9 | 43.8 | 73 | 90 | 7.40 | 7.47 | -0.07 | VERY E |
| 04 | LCP | EP | 8 21 47.79 | | | | 18 | 1.8 | 46.7 | 84 | 90 | 8.22 | 7.95 | 0.27 | VERY E |
| 04 | BGB | IPD | 8 21 47.62 | | | | | | 48.3 | 58 | 90 | 8.05 | 8.21 | -0.11 | |
| 04 | BMT | EP | 8 21 49.55 | | | | 16 | 1.7 | 50.5 | 15 | 90 | 9.98 | 9.22 | 0.36 | |
| 04 | EPN | IPU | 8 21 49.23 | | | | 19 | 1.9 | 55.5 | 36 | 90 | 9.66 | 9.38 | 0.28 | |
| 04 | MCY | IPU | 8 21 50.70 | | | | 19 | 1.9 | 66.8 | 104 | 90 | 11.23 | 11.22 | -0.01 | |

JUL M = 13 26 8.26 UTC RMS = 0.23 NO = 6 — FREE DEPTH SOLUTION
05 LAT = 36.766 N ERZ = 1.5 ERM = 2.8 AVFM = 1.6 Q = C
LONG = 116.027 W ERY = 2.4 GAP = 106 AVXM = QS = C — CHLORIDE CLIFF
DEPTH = 7.77 KM ERZ = 3.0 NM = QD = 9

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 | BRU | IPU | 13 26 9.78 | | | | 13 | 1.4 | 8.2 | 141 | 178 | 1.44 | 1.43 | 0.01 | |
| 05 | FMT | IPD | 13 26 11.68 | | | | 18 | 1.2 | 19.4 | 224 | 188 | 3.42 | 3.66 | -0.14 | |
| 05 | SCM | EPD4 | 13 26 23.06 | | | | | | 29.8 | 117 | 102 | 14.80 | 5.17 | 9.63 | |
| 05 | CDM1 | IPD | 13 26 13.75 | | | | 16 | 1.6 | 29.6 | 69 | 102 | 5.49 | 5.27 | 0.22 | |
| 05 | LSM | EP 4 | 13 26 17.05 | | | | 17 | 1.7 | 31.8 | 95 | 101 | 8.79 | 5.62 | 3.17 | VERY |
| 05 | NPN | IPU4 | 13 26 19.26 | | | | 22 | 2.0 | 39.8 | 334 | 99 | 11.00 | 6.78 | 4.22 | |
| 05 | LCP | IPU2 | 13 26 14.03 | | | | 16 | 1.7 | 42.2 | 76 | 98 | 5.77 | 7.29 | -1.52 | |
| 05 | SGV | EP | 13 26 15.69 | | | | 18 | 1.8 | 43.4 | 304 | 98 | 7.63 | 7.48 | 0.15 | |
| 05 | BGB | IPD | 13 26 16.12 | | | | 14 | 1.6 | 46.8 | 58 | 98 | 7.86 | 8.02 | -0.11 | |
| 05 | CPX | IPU4 | 13 26 14.22 | | | | 11 | 1.4 | 53.9 | 78 | 97 | 5.96 | 9.18 | -3.22 | |
| 05 | BMT | IPD4 | 13 26 14.74 | | | | 12 | 1.5 | 58.2 | 8 | 96 | 6.48 | 9.87 | -3.39 | |
| 05 | MCY | IPU4 | 13 26 13.41 | | | | 18 | 1.9 | 60.5 | 101 | 96 | 5.15 | 10.24 | -5.09 | |
| 05 | GVN | IPD4 | 13 26 17.66 | | | | 17 | 1.8 | 69.8 | 292 | 95 | 9.40 | 11.61 | -2.21 | |
| 05 | HCP | EPU4 | 13 26 26.81 | | | | | | 92.4 | 149 | 94 | 18.55 | 13.79 | 4.76 | |

JUL M = 15 13 14.81 UTC RMS = 0.16 NO = 6 — FREE DEPTH SOLUTION
07 LAT = 36.741 N ERZ = 4.7 ERM = 5.0 AVFM = 1.6 Q = D
LONG = 115.821 W ERY = 1.7 GAP = 192 AVXM = QS = D — MERCURY
DEPTH = 8.52 KM ERZ = 7.2 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | MCY | IPD | 15 13 17.95 | | | | 22 | 1.9 | 15.4 | 235 | 116 | 3.14 | 3.18 | 0.04 | |
| 07 | LCP | EP | 15 13 20.97 | | | | 14 | 1.5 | 31.4 | 292 | 102 | 6.16 | 5.90 | 0.27 | |
| 07 | LSM | EP 4 | 15 13 22.52 | | | | | | 40.3 | 270 | 100 | 7.71 | 7.00 | 0.71 | |
| 07 | SSP | EPD4 | 15 13 20.86 | | | | 12 | 1.4 | 40.9 | 300 | 100 | 6.05 | 7.10 | -1.05 | |
| 07 | JCN | EPD | 15 13 22.05 | | | | | | 41.9 | 217 | 100 | 7.24 | 7.25 | -0.01 | |
| 07 | CDM1 | IPU | 15 13 22.76 | | | | 12 | 1.5 | 46.2 | 287 | 99 | 7.95 | 7.95 | -0.00 | |
| 07 | BGB | IPD | 15 13 22.92 | | | | 15 | 1.7 | 49.8 | 312 | 98 | 8.11 | 8.40 | -0.23 | |
| 07 | GMR | EP 4 | 15 13 24.47 | | | | 12 | 1.5 | 66.0 | 4 | 96 | 9.66 | 11.13 | -1.47 | |
| 07 | HTI | IPD | 15 13 33.71 | | | | 18 | 2.0 | 114.7 | 25 | 53 | 18.90 | 18.98 | 0.12 | |

JUL M = 0 36 58.89 UTC RMS = 0.32 NO = 6 — FREE DEPTH SOLUTION
09 LAT = 36.861 N ERZ = 15.6 ERM = 22.9 AVFM = 2.6 Q = D
LONG = 118.420 W ERY = 14.4 GAP = 335 AVXM = QS = D
DEPTH = 0.72 KM ERZ = 9.9 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | IPD | IPU | 0 37 16.49 | | | | 21 | 2.1 | 90.5 | 94 | 35 | 15.60 | 15.28 | 0.32 | |
| 09 | HCA | EP | 0 37 16.00 | | | | 22 | 2.2 | 104.4 | 103 | 34 | 17.11 | 17.53 | -0.42 | |
| | | ESD | 0 37 29.45 | | | | | | | | | 30.56 | 30.48 | -0.11 | |
| 09 | BRO | IPU | 0 37 24.95 | | | | 28 | 2.6 | 160.6 | 94 | 30 | 26.06 | 25.83 | 0.23 | |
| 09 | EPN | IPD | 0 37 28.31 | | | | 33 | 2.8 | 190.7 | 78 | 30 | 29.42 | 29.74 | -0.32 | |
| 09 | LSM | IPD4 | 0 37 27.24 | | | | 38 | 2.9 | 192.2 | 94 | 30 | 28.40 | 29.94 | -1.54 | |
| 09 | SSP | IPU | 0 37 29.85 | | | | 34 | 2.9 | 196.4 | 88 | 30 | 30.94 | 30.48 | 0.48 | |

JUL M = 2 13 48.95 UTC RMS = 0.48 NO = 19 — FREE DEPTH SOLUTION
09 LAT = 37.292 N ERZ = 2.3 ERM = 3.2 AVFM = 2.9 Q = D
LONG = 114.999 W ERY = 2.3 GAP = 189 AVXM = QS = C — DELAMAR MOUNTAINS
DEPTH = 4.53 KM ERZ = 4.5 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | PRN | IPU | 2 13 50.79 | | | | 94 | 3.1 | 17.8 | 345 | 100 | 2.74 | 3.29 | -0.54 | |
| 09 | NPN | IPD | 2 13 55.78 | | | | 81 | 3.1 | 44.8 | 7 | 94 | 7.69 | 7.65 | 0.04 | |
| 09 | DLM | EPD | 2 13 56.04 | | | | 40 | 2.5 | 45.5 | 30 | 94 | 7.99 | 7.77 | 0.22 | |
| 09 | HTI | IPU | 2 13 56.57 | | | | 64 | 2.9 | 53.0 | 333 | 93 | 8.52 | 8.98 | -0.46 | |
| 09 | GMR | IPU | 2 13 58.71 | | | | 49 | 2.8 | 69.1 | 274 | 92 | 10.66 | 11.59 | -0.93 | |
| 09 | SRG | IPD | 2 13 59.99 | | | | 84 | 3.2 | 70.2 | 355 | 92 | 11.94 | 11.78 | 0.16 | |
| 09 | WLR | EPD | 2 14 2.46 | | | | 79 | 3.2 | 90.6 | 266 | 92 | 14.41 | 15.10 | -0.58 | |
| 09 | NPN | IPU4 | 2 14 4.95 | | | | | | 96.3 | 327 | 92 | 16.90 | 16.02 | 0.88 | |
| 09 | SCS | IPU | 2 14 5.61 | | | | 29 | 2.4 | 99.3 | 305 | 92 | 17.56 | 16.51 | 1.05 | |
| 09 | ILT | IPD | 2 14 5.70 | | | | 39 | 2.7 | 103.2 | 291 | 92 | 17.65 | 17.15 | 0.50 | |
| 09 | MCY | IPU | 2 14 6.96 | | | | 71 | 3.2 | 107.9 | 255 | 92 | 18.91 | 17.91 | -1.00 | |
| 09 | LCN | IPD | 2 14 8.68 | | | | 48 | 2.9 | 111.8 | [illegible] | 91 | 18.65 | 18.53 | 0.11 | |



9 0 8 1 4 0 2 3 3

LOCAL-EVENT DATA REPORT

| JUL 1988 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SNAR | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | SDH | IPD | 13 38 | 8.79 | | | 16 | 1.5 | 13.2 | 206 | 116 | 2.40 | 2.69 | -0.25 | |
| 11 | LOP | IPU | 13 38 | 1.47 | | | 28 | 2.1 | 14.7 | 40 | 112 | 3.12 | 2.92 | 0.20 | |
| 11 | SSP | IPD | 13 38 | 1.56 | | | | | 19.8 | 14 | 106 | 3.21 | 3.78 | -0.49 | |
| 11 | MCY | IPU | 13 38 | 3.63 | | | 33 | 2.3 | 29.6 | 110 | 101 | 5.25 | 5.25 | 0.00 | |
| 11 | BRU | EPD | 13 38 | 3.61 | | | | | 31.4 | 272 | 100 | 5.26 | 5.54 | -0.28 | |
| | | ISU | 13 38 | 8.48 | | | | | | | | 10.05 | 9.70 | 0.34 | |
| 11 | BEB | IPU | 13 38 | 4.03 | | | 9 | 1.2 | 32.0 | 7 | 100 | 5.68 | 5.63 | 0.11 | |
| 11 | JCN | IPU | 13 38 | 4.63 | | | 14 | 1.6 | 37.9 | 156 | 98 | 6.48 | 6.58 | -0.09 | |
| 11 | SPRG | EPU | 13 38 | 5.53 | | | 14 | 1.6 | 42.0 | 99 | 98 | 7.18 | 7.24 | -0.06 | |
| | | ESD | 13 38 | 11.39 | | | | | | | | 13.08 | 12.66 | 0.38 | |
| 11 | FPT | EPDA | 13 38 | 12.33 | | | | | 46.9 | 255 | 97 | 13.94 | 8.82 | 6.06 | |
| 11 | NPN | EP | 13 38 | 8.77 | | | 20 | 1.9 | 60.7 | 307 | 95 | 10.42 | 10.27 | 0.14 | |
| 11 | BPT | EP 2 | 13 38 | 10.10 | | | 22 | 2.0 | 63.3 | 339 | 95 | 11.75 | 10.69 | 0.66 | |
| 11 | SGV | EPD | 13 38 | 10.57 | | | 22 | 2.1 | 72.3 | 291 | 94 | 12.22 | 12.13 | 0.09 | |

JUL H = 14 53 1.66 UTC RMS = 0.10 NO = 8 — FREE DEPTH SOLUTION
11 LAT = 36.752 N ERH = 0.6 ERM = 0.8 AVFM = 1.3 Q = A
LONG = 116.201 W ERT = 0.5 GAP = 73 AVXM = QS = A — LATHROP WELLS
DEPTH = 7.75 KM ERZ = 1.3 NM = QD = A

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | LSH | IPD | 14 53 | 3.13 | | | 29 | 2.1 | 1.7 | 151 | 167 | 1.47 | 1.46 | 0.01 | |
| 11 | CDHS | EP 3 | 14 53 | 4.15 | | | 5 | 0.6 | 12.5 | 345 | 118 | 2.49 | 2.63 | -0.14 | |
| 11 | CDHI | IPU | 14 53 | 4.15 | | | 17 | 1.6 | 12.5 | 345 | 118 | 2.49 | 2.63 | -0.14 | |
| 11 | SDH | EP | 14 53 | 4.47 | | | 7 | 0.9 | 12.9 | 203 | 117 | 2.81 | 2.69 | 0.12 | |
| 11 | LOP | IPD | 14 53 | 4.76 | | | 17 | 1.6 | 15.2 | 42 | 113 | 3.10 | 3.03 | 0.07 | |
| 11 | SSP | EP 4 | 14 53 | 2.43 | | | | | 20.8 | 16 | 108 | 0.77 | 1.76 | -2.99 | |
| 11 | MCY | IPU | 14 53 | 6.92 | | | 16 | 1.6 | 30.2 | 109 | 102 | 5.26 | 5.36 | -0.11 | |
| 11 | BRO | EPD | 14 53 | 7.06 | | | | | 30.8 | 272 | 102 | 5.40 | 5.45 | -0.06 | |
| 11 | PGB | EPU | 14 53 | 7.43 | | | 16 | 1.7 | 32.1 | 9 | 101 | 5.76 | 5.66 | 0.10 | |
| 11 | JCN | EP 4 | 14 53 | 10.55 | | | 5 | 0.7 | 30.1 | 155 | 99 | 8.89 | 6.63 | 2.25 | |

JUL H = 15 10 21.77 UTC RMS = 0.21 NO = 11 — FREE DEPTH SOLUTION
11 LAT = 37.690 N ERH = 0.6 ERM = 0.9 AVFM = 2.2 Q = C
LONG = 115.041 W ERT = 0.7 GAP = 117 AVXM = QS = B — MIKO
DEPTH = 0.51 KM ERZ = 1.5 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | APN | IPU | 15 10 23.92 | | | | 22 | 1.9 | 10.5 | 119 | 38 | 2.15 | 2.30 | -0.15 | |
| 11 | MTI | IPD | 15 10 25.35 | | | | 23 | 1.9 | 20.5 | 263 | 38 | 3.58 | 3.94 | -0.15 | |
| 11 | SRG | IPU | 15 10 25.64 | | | | 35 | 2.3 | 20.6 | 353 | 38 | 3.87 | 3.95 | -0.07 | |
| 11 | DLM | IPU | 15 10 27.22 | | | | 12 | 1.4 | 28.6 | 111 | 38 | 5.45 | 5.24 | 0.21 | |
| | | ISU | 15 10 31.10 | | | | | | | | | 9.33 | 9.18 | 0.16 | |
| 11 | PPN | IPD | 15 10 27.48 | | | | 28 | 2.1 | 32.3 | 181 | 38 | 5.71 | 5.85 | -0.13 | |
| 11 | TPU | EPU | 15 10 30.99 | | | | 16 | 1.7 | 50.6 | 259 | 38 | 9.22 | 9.47 | -0.25 | |
| 11 | BLT | EPU | 15 10 39.46 | | | | 25 | 2.3 | 100.1 | 255 | 38 | 17.69 | 16.87 | 0.82 | |
| | | ESU | 15 10 51.44 | | | | | | | | | 29.67 | 29.52 | 0.15 | |
| 11 | KRNA | EPD | 15 10 41.96 | | | | 27 | 2.4 | 118.2 | 273 | 38 | 20.19 | 19.82 | 0.37 | |
| | | ESDA | 15 10 55.42 | | | | | | | | | 33.65 | 34.49 | -1.84 | |
| 11 | SPRG | EP 4 | 15 10 44.60 | | | | 24 | 2.3 | 138.6 | 211 | 38 | 22.83 | 21.84 | 1.00 | |
| 11 | LCP | EP 4 | 15 10 45.53 | | | | 25 | 2.4 | 136.9 | 227 | 38 | 23.76 | 22.80 | 0.96 | NOISY |
| 11 | BPT | EPUA | 15 10 47.79 | | | | 29 | 2.5 | 139.7 | 251 | 38 | 26.02 | 23.17 | 2.85 | VERY E |
| 11 | MCY | EPUA | 15 10 46.17 | | | | 39 | 2.8 | 141.1 | 215 | 38 | 24.40 | 23.35 | 1.06 | |
| 11 | LSH | EPU | 15 10 47.42 | | | | 39 | 2.8 | 152.5 | 226 | 38 | 25.65 | 24.83 | 0.82 | NOISY |

JUL H = 17 10 19.20 UTC RMS = 0.15 NO = 19 — FIXED DEPTH SOLUTION
12 LAT = 36.696 N ERH = 0.4 ERM = 0.5 AVFM = 2.0 Q = B — DEPTH CONTROL INADEQUATE
LONG = 116.284 W ERT = 0.3 GAP = 58 AVXM = QS = B — LATHROP WELLS
DEPTH = 5.00 KM ERZ = 1.5 NM = QD = A

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | LSH | IPD | 17 10 21.20 | | | | 32 | 2.2 | 4.9 | 13 | 130 | 1.40 | 1.35 | 0.06 | |
| 12 | SDH | IPD | 17 10 21.39 | | | | 18 | 1.7 | 7.4 | 220 | 118 | 1.59 | 1.69 | -0.10 | |
| 12 | CDHI | IPU | 17 10 23.04 | | | | 34 | 2.3 | 18.4 | 351 | 101 | 3.24 | 3.40 | -0.16 | |
| 12 | CDHS | EP | 17 10 23.38 | | | | 17 | 1.7 | 18.4 | 351 | 101 | 3.59 | 3.40 | 0.18 | |
| 12 | LCP | IPD | 17 10 23.36 | | | | 21 | 1.8 | 20.4 | 31 | 100 | 3.54 | 3.71 | -0.15 | |
| 12 | SSP | IPD | 17 10 24.29 | | | | 18 | 1.7 | 26.0 | 13 | 99 | 4.49 | 4.62 | -0.13 | |
| 12 | MCY | IPU | 17 10 24.87 | | | | 28 | 2.1 | 29.1 | 99 | 97 | 5.07 | 5.11 | -0.04 | |
| 12 | BPO | IPU | 17 10 25.23 | | | | 25 | 2.0 | 31.3 | 284 | 96 | 5.43 | 5.48 | -0.05 | |
| 12 | JCN | IPU | 17 10 25.41 | | | | 12 | 1.4 | 32.8 | 158 | 96 | 5.61 | 5.71 | -0.10 | |
| 12 | APR | EPD | 17 10 26.16 | | | | | | 37.3 | 247 | 95 | 6.36 | 6.44 | -0.07 | |
| 12 | BGB | IPU | 17 10 26.22 | | | | 28 | 2.2 | 38.2 | 8 | 95 | 6.42 | 6.54 | -0.12 | |
| 12 | SPRG | IPU | 17 10 26.97 | | | | 29 | 2.2 | 42.5 | 90 | 95 | 7.17 | 7.28 | -0.10 | |
| 12 | FPT | EPU | 17 10 27.61 | | | | 26 | 2.1 | 44.6 | 262 | 94 | 7.81 | 7.43 | 0.28 | |
| 12 | GLR | EPU | 17 10 30.23 | | | | 17 | 1.8 | 60.7 | 23 | 93 | 10.43 | 10.23 | 0.35 | |
| 12 | NPN | EPD | 17 10 30.46 | | | | 29 | 2.3 | 63.9 | 312 | 93 | 10.66 | 10.76 | -0.10 | |
| 12 | NCP | EP | 17 10 30.55 | | | | 11 | 1.4 | 64.2 | 169 | 93 | 10.75 | 10.88 | -0.05 | |
| 12 | GPV | EP 4 | 17 10 31.89 | | | | 11 | 1.4 | 66.3 | 211 | 93 | 12.09 | 11.15 | 0.64 | |
| 12 | SGV | EPD | 17 10 32.30 | | | | 32 | 2.4 | 73.9 | 295 | 93 | 12.50 | 12.38 | 0.13 | |



90814 0234

LOCAL-LEVEL DATA REPORT

| JUL 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SNAR | DUR | FMAG | DIST (KM) | AZI (DEG) | AIM (DEG) | TIME (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

14 LAT = 36.803 N  ERX = 1.5  ERM = 1.5  AVFM = 1.0  Q = D
LONG = 115.400 W  ERY = 0.7  GAP = 196  AVXM =  QS = C  MERCURY
DEPTH = 6.70 KM  ERZ = 6.2  NM =  QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | MCY | IPD | 2 51 51.30 | | | | | 38 | 2.3 | 15.8 | 147 | 109 | 3.07 | 3.06 | 0.01 |
| 14 | LOP | IPU | 2 51 52.27 | | | | | 27 | 2.1 | 21.1 | 246 | 104 | 4.00 | 3.88 | 0.12 |
| 14 | SSP | IPU | 2 51 53.50 | | | | | | | 28.3 | 299 | 101 | 5.23 | 5.02 | 0.21 |
| 14 | LSM | IPU | 2 51 53.16 | | | | | 39 | 2.0 | 34.5 | 256 | 100 | 6.09 | 5.57 | -0.08 |
| 14 | CDMS | IPU | 2 51 54.16 | | | | | 6 | 0.8 | 34.3 | 281 | 99 | 5.89 | 5.99 | -0.09 |
| 14 | CDM1 | IPD | 2 51 54.21 | | | | | 13 | 1.5 | 34.3 | 281 | 99 | 5.94 | 5.99 | -0.04 |
| 14 | BGB | IPU | 2 51 54.55 | | | | | 13 | 1.5 | 36.5 | 315 | 98 | 6.29 | 6.35 | -0.07 |
| 14 | SDM | EPUG | 2 51 55.60 | | | | | 22 | 2.0 | 39.6 | 264 | 97 | 7.33 | 6.85 | 0.48 |
| 14 | JOM | EP | 2 51 55.75 | | | | | 19 | 1.8 | 42.9 | 280 | 97 | 7.48 | 7.37 | 0.11 |
| 14 | GLR | EP | 2 51 55.68 | | | | | | | 44.5 | 351 | 97 | 7.33 | 7.64 | -0.15 |
| 14 | EPM | EPD | 2 51 57.96 | | | | | 30 | 2.3 | 57.0 | 323 | 95 | 9.69 | 9.65 | 0.04 |
| 14 | BRO | EP | 2 51 58.00 | | | | | 13 | 1.6 | 61.3 | 266 | 95 | 10.53 | 10.36 | 0.18 |

JUL H = 2 57 15.16 UTC  RMS = 0.02  NO = 8  FREE DEPTH SOLUTION
14 LAT = 36.753 N  ERX =  ERM =  AVFM = 1.0  Q = C
LONG = 115.965 W  ERY =  GAP = 229  AVXM =  QS = A  MERCURY
DEPTH = 23.29 KM  ERZ =  NM =  QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | MCY | IPD | 2 57 19.46 | | | | | 23 | 1.9 | 18.2 | 179 | 156 | 4.38 | 4.31 | -0.01 |
| 14 | LOP | IPU | 2 57 20.49 | | | | | 18 | 1.7 | 21.3 | 302 | 137 | 5.33 | 5.33 | -0.00 |
| 14 | LSM | EPU | 2 57 21.23 | | | | | 19 | 1.8 | 27.5 | 267 | 129 | 6.07 | 6.08 | -0.01 |
| 14 | SSP | IPU | 2 57 21.55 | | | | | | | 29.6 | 310 | 127 | 6.39 | 6.35 | 0.05 |

JUL H = 12 4 29.19 UTC  RMS = 0.05  NO = 5  FREE DEPTH SOLUTION
14 LAT = 37.108 N  ERX = 2.4  ERM = 2.6  AVFM = 2.1  Q = D
LONG = 116.199 W  ERY = 1.0  GAP = 200  AVXM =  QS = C  SILENT CANYON - YUCCA FLAT
DEPTH = 17.01 KM  ERZ = 3.8  NM =  QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | EPM | IPU | 12 4 33.21 | | | | | 40 | 2.4 | 16.2 | 317 | 135 | 4.02 | 4.03 | -0.01 |
| 14 | SSP | EPU | 12 4 33.80 | | | | | 22 | 1.9 | 20.3 | 185 | 128 | 4.61 | 4.53 | 0.08 |
| 14 | LOP | EP | 12 4 34.69 | | | | | 22 | 1.9 | 20.3 | 174 | 119 | 5.50 | 5.60 | -0.10 |
| 14 | LSM | EP | 12 4 36.78 | | | | | 27 | 2.1 | 41.4 | 189 | 111 | 7.59 | 7.55 | 0.04 |
| 14 | MCY | EPU | 12 4 38.66 | | | | | 22 | 2.0 | 53.8 | 157 | 106 | 9.47 | 9.46 | 0.01 |

JUL H = 12 32 42.13 UTC  RMS = 0.06  NO = 9  FREE DEPTH SOLUTION
14 LAT = 37.096 N  ERX = 0.3  ERM = 0.4  AVFM = 1.7  Q = C
LONG = 116.188 W  ERY = 0.2  GAP = 108  AVXM =  QS = C  SILENT CANYON - YUCCA FLAT
DEPTH = 1.62 KM  ERZ = 81.5  NM =  QD = B

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | BGB | IPD | 12 12 43.52 | | | | | 29 | 2.1 | 7.1 | 210 | 38 | 1.39 | 1.53 | -0.09 |
| 14 | EPM | EPU | 12 12 45.40 | | | | | 20 | 2.0 | 18.0 | 318 | 38 | 3.31 | 3.30 | 0.01 |
| 14 | SSP | EPU | 12 12 45.75 | | | | | | | 18.9 | 188 | 38 | 3.62 | 3.44 | 0.17 |
| 14 | GLR | IPU | 12 12 45.46 | | | | | 29 | 2.1 | 19.2 | 52 | 38 | 3.33 | 3.48 | -0.01 |
| 14 | LOP | EP | 12 12 47.33 | | | | | 22 | 1.9 | 26.6 | 176 | 38 | 5.20 | 4.70 | 0.50 |
| 14 | CDM1 | EPU2 | 12 12 46.70 | | | | | 15 | 1.6 | 28.3 | 204 | 38 | 4.57 | 4.98 | -0.41 |
| 14 | CDMS | FPU3 | 12 12 46.70 | | | | | 3 | 0.2 | 28.3 | 204 | 38 | 4.57 | 4.98 | -0.41 |
| 14 | LSM | EP | 12 12 49.07 | | | | | 24 | 2.0 | 40.1 | 191 | 38 | 6.94 | 6.88 | 0.05 |
| 14 | MCY | EPU | 12 12 50.90 | | | | | 23 | 2.0 | 52.0 | 157 | 38 | 8.8. | 8.82 | -0.02 |

JUL H = 12 44 29.66 UTC  RMS = 0.05  NO = 4  FREE DEPTH SOLUTION
14 LAT = 37.039 N  ERX =  ERM =  AVFM = 1.5  Q = C
LONG = 116.139 W  ERY =  GAP = 187  AVXM =  QS = A  SILENT CANYON - YUCCA FLAT
DEPTH = 1.01 KM  ERZ =  NM =  QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | BGB | IPD | 12 44 31.30 | | | | | 29 | 2.1 | 7.9 | 269 | 38 | 1.66 | 1.78 | -0.09 |
| 14 | GLR | IPD | 12 44 33.38 | | | | | 15 | 1.6 | 20.9 | 31 | 38 | 3.72 | 3.87 | -0.00 |
| 14 | CDM1 | EPD | 12 43 34.35 | | | | | 29 | 2.1 | 25.5 | 219 | 38 | 4.69 | 4.63 | 0.05 |
| 14 | CDMS | EPU | 12 44 34.35 | | | | | 3 | 0.2 | 25.5 | 219 | 38 | 4.69 | 4.63 | 0.05 |

JUL H = 16 42 50.21 UTC  RMS = 0.10  NO = 9  FREE DEPTH SOLUTION
14 LAT = 36.799 N  ERX = 0.9  ERM = 1.0  AVFM = 1.3  Q = C
LONG = 115.950 W  ERY = 0.5  GAP = 192  AVXM =  QS = B  MERCURY
DEPTH = 9.57 KM  ERZ = 1.9  NM =  QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | MCY | IPD | 16 42 53.20 | | | | | 14 | 1.5 | 15.3 | 184 | 119 | 2.99 | 3.17 | -0.18 |
| | | ISU | 16 42 55.80 | | | | | | | | | | 5.59 | 5.55 | 0.04 |
| 14 | LOP | IPD | 16 42 54.25 | | | | | 8 | 1.0 | 20.4 | 287 | 112 | 4.04 | 3.92 | 0.12 |
| 14 | SSP | EPU | 16 42 55.29 | | | | | | | 27.7 | 300 | 107 | 5.08 | 5.05 | 0.03 |

90814 0235

| JUL 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SNR | DIM | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEPTH = 1.20 KM | | | ERZ = 1.2 KM = | | | | | | | | QD = D | | | | |
| 17 | SPRG | IPU | 14 16 5.38 | | | | 9 | 1.1 | 11.3 | 178 | 38 | 2.26 | 2.28 | -0.02 | |
| 17 | MCY | EPU | 14 16 5.46 | | | | 16 | 1.6 | 11.6 | 204 | 39 | 2.34 | 2.33 | 0.01 | |
| | | ISO | 14 16 7.15 | | | | | | | | | 4.03 | 4.07 | -0.05 | |
| 17 | LOP | IPU | 14 16 7.41 | | | | 6 | 0.8 | 25.5 | 295 | 38 | 4.29 | 4.58 | -0.30 | |
| 17 | LSM | EPO | 14 16 8.90 | | | | 10 | 1.2 | 32.5 | 266 | 38 | 5.78 | 5.73 | 0.05 | |
| 17 | SSP | EPU | 14 16 9.07 | | | | | | 33.3 | 384 | 38 | 5.95 | 5.86 | 0.09 | |
| 17 | CDHS | IPU | 14 16 9.68 | | | | 12 | 1.4 | 38.2 | 287 | 38 | 6.56 | 6.66 | -0.10 | |
| 17 | CDHI | EPO | 14 16 10.00 | | | | 15 | 1.6 | 38.2 | 287 | 38 | 6.88 | 6.66 | 0.22 | |
| 17 | SDM | EP | 14 16 10.19 | | | | | | 40.3 | 252 | 38 | 7.07 | 7.00 | 0.07 | |
| JUL M = 22 3 14.17 UTC | | | RMS = 0.16 | NO = 4 | | | | | | | | | | | FIXED DEPTH SOLUTION |
| 17 LAT = 37.170 N | | | ERX = | ERM = | | AVFM = | | 1.5 | Q = C | | | | | | DEPTH CONTROL INADEQUATE |
| LONG = 115.270 W | | | ERY = | GAP = 213 | | AVXM = | | | QS = B | | | | | | BLANO |
| DEPTH = 5.00 KM | | | ERZ = | NM = | | | | | QD = D | | | | | | |
| 17 | EPR | EPU | 22 3 15.86 | | | | | | 7.4 | 91 | 117 | 1.69 | 1.70 | -0.01 | |
| 17 | SPRG | IPU | 22 3 26.49 | | | | 12 | 1.5 | 71.4 | 222 | 93 | 12.32 | 11.98 | 0.34 | |
| 17 | MCY | IPD4 | 22 3 27.30 | | | | 14 | 1.8 | 83.6 | 228 | 92 | 13.13 | 13.96 | -0.83 | |
| | | ISU4 | 22 3 30.22 | | | | | | | | | 16.05 | 24.43 | -8.38 | |
| 17 | BGB | EPU4 | 22 3 32.66 | | | | 12 | 1.6 | 86.4 | 260 | 92 | 18.49 | 14.81 | 4.13 | |
| 17 | LOP | EP 4 | 22 3 38.91 | | | | 7 | 1.1 | 87.2 | 206 | 92 | 16.74 | 14.55 | 2.19 | |
| | | ESD4 | 22 3 34.02 | | | | | | | | | 19.85 | 25.46 | -5.61 | |
| 17 | JON | EP | 22 3 32.12 | | | | | | 110.8 | 223 | 92 | 17.95 | 18.25 | -0.30 | |
| 17 | SDM | EPO | 22 3 32.68 | | | | | | 111.6 | 239 | 92 | 18.03 | 18.51 | -0.08 | |
| JUL M = 12 13 41.73 UTC | | | RMS = 0.27 | NO = 10 | | | | | | | | | | | FREE DEPTH SOLUTION |
| 18 LAT = 37.087 N | | | ERX = 1.1 | ERM = 1.4 | | AVFM = | | 2.3 | Q = C | | | | | | |
| LONG = 116.181 W | | | ERY = 0.9 | GAP = 94 | | AVXM = | | | QS = C | | | | | | SILENT CANYON - TUCCA FLAT |
| DEPTH = 1.49 KM | | | ERZ = 340.5 | NM = | | | | | QD = C | | | | | | |
| 18 | BGB | IPD4 | 12 13 43.15 | | | | 45 | 2.5 | 6.8 | 218 | 38 | 1.42 | 1.51 | -0.03 | |
| 18 | SSP | IPU | 12 13 45.38 | | | | | | 18.2 | 191 | 38 | 3.65 | 3.36 | 0.29 | |
| 18 | EPN | IPU | 12 13 45.08 | | | | 68 | 2.8 | 19.8 | 318 | 38 | 3.31 | 3.49 | -0.17 | |
| 18 | GLR | EPU | 12 13 45.03 | | | | 36 | 2.3 | 19.2 | 49 | 38 | 3.30 | 3.51 | -0.06 | |
| 18 | LOP | EPD4 | 12 13 46.44 | | | | 44 | 2.5 | 25.8 | 177 | 38 | 4.71 | 4.59 | 0.12 | |
| | | 4 | 12 13 0.00 | | | | | | | | | | | | |
| 18 | CDHS | EPU | 12 13 46.17 | | | | 21 | 1.9 | 27.9 | 206 | 38 | 4.44 | 4.93 | -0.49 | |
| 18 | CDHI | IPO | 12 13 46.23 | | | | 35 | 2.3 | 27.9 | 206 | 38 | 4.50 | 4.93 | -0.43 | |
| 18 | BPT | IPU | 12 13 49.46 | | | | 17 | 1.7 | 38.2 | 305 | 38 | 7.73 | 6.61 | 0.73 | |
| 18 | LSM | EPO | 12 13 48.38 | | | | 47 | 2.6 | 39.4 | 192 | 38 | 6.57 | 6.80 | -0.23 | |
| 18 | BLT | EPD | 12 13 48.77 | | | | 35 | 2.4 | 41.8 | 6 | 38 | 7.04 | 7.19 | -0.15 | |
| 18 | MCY | IPD4 | 12 13 50.42 | | | | 43 | 2.6 | 51.0 | 158 | 38 | 8.69 | 8.69 | 0.00 | |
| | | 4 | 12 13 0.00 | | | | | | | | | | | | |
| 18 | SPRG | EPU | 12 13 51.25 | | | | 18 | 1.8 | 54.7 | 143 | 38 | 9.52 | 9.29 | 0.23 | |
| 18 | NPN | EPO | 12 13 51.20 | | | | 18 | 1.8 | 56.7 | 269 | 38 | 9.51 | 9.61 | -0.10 | |
| JUL M = 15 18 52.62 UTC | | | RMS = 0.04 | NO = 6 | | | | | | | | | | | FREE DEPTH SOLUTION |
| 18 LAT = 36.751 N | | | ERX = 0.6 | ERM = 0.6 | | AVFM = | | 1.2 | Q = B | | | | | | |
| LONG = 116.304 W | | | ERY = 0.3 | GAP = 160 | | AVXM = | | | QS = A | | | | | | LATHROP WELLS |
| DEPTH = 10.92 KM | | | ERZ = 1.1 | NM = | | | | | QD = C | | | | | | |
| 18 | LSM | IPO | 15 18 54.60 | | | | 13 | 1.4 | 3.2 | 114 | 163 | 1.90 | 2.02 | -0.05 | |
| 18 | SDM | EP | 15 18 55.45 | | | | | | 12.0 | 194 | 130 | 2.83 | 2.86 | -0.03 | |
| | | ESO | 15 18 57.66 | | | | | | | | | 5.04 | 5.00 | 0.04 | |
| 18 | CDHI | IPU | 15 18 55.50 | | | | 12 | 1.3 | 12.2 | 355 | 129 | 2.88 | 2.88 | -0.01 | |
| 18 | LOP | IPO | 15 18 5[illegible].17 | | | | 8 | 1.0 | 16.8 | 47 | 120 | 3.55 | 3.09 | 0.06 | |
| | | ESD4 | 15 18 59.63 | | | | | | | | | 7.01 | 6.11 | 0.90 | |
| 18 | SSP | EPU4 | 15 18 59.92 | | | | | | 20.8 | 22 | 115 | 7.30 | 4.0[illegible] | 3.22 | |
| 18 | MCY | IPU | 15 18 58.36 | | | | 9 | 1.2 | 32.1 | 108 | 107 | 5.74 | 5.80 | -0.06 | |
| JUL M = 15 39 43.45 UTC | | | RMS = 0.08 | NO = 4 | | | | | | | | | | | FREE DEPTH SOLUTION |
| 18 LAT = 36.761 N | | | ERX = | ERM = | | AVFM = | | 1.0 | Q = C | | | | | | |
| LONG = 116.309 W | | | ERY = | GAP = 229 | | AVXM = | | | QS = A | | | | | | LATHROP WELLS |
| DEPTH = 7.30 KM | | | ERZ = | NM = | | | | | QD = D | | | | | | |
| 18 | LSM | IPO | 15 39 45.00 | | | | 9 | 1.1 | 4.1 | 127 | 140 | 1.55 | 1.55 | -0.00 | |
| 18 | CDHI | EPU | 15 39 46.24 | | | | 8 | 1.0 | 11.0 | 356 | 119 | 2.39 | 2.38 | 0.01 | |
| 18 | LOP | EPO | 15 39 47.01 | | | | | | 16.3 | 51 | 110 | 3.16 | 3.16 | -0.00 | |
| | | ESU | 15 39 49.38 | | | | | | | | | 5.53 | 5.53 | -0.00 | |



9 0 8 1 4 0 2 3 6

| JUL 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SNAG | DUR | FNAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | SPRG | EPU | 9 47 26.56 | | | | 15 | 1.6 | 39.8 | 158 | 102 | 6.46 | 6.45 | 0.01 | |

JUL M = 23 4 18.78 UTC AMS = 0.18 NO = 6 — FREE DEPTH SOLUTION
20 LAT = 36.786 N EAX = 2.1 ERM = 2.3 AVFM = 1.2 Q = C
LONG = 116.383 W ERY = 0.9 GAP = 191 AVXM = US = B — LATHROP WELLS
DEPTH = 5.69 KM ERZ = 2.5 NM = OD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | LSM | IP | 23 4 20.00 | | | | 11 | 1.2 | 6.6 | 17 | 136 | 1.22 | 1.39 | -0.18 |
| 20 | JOH | IPD | 23 4 20.52 | | | | | | 7.4 | 205 | 122 | 1.74 | 1.74 | -0.01 |
| | | IPD | 23 4 21.98 | | | | | | | | | 3.12 | 3.05 | 0.07 |
| 20 | LOP | EP | 23 4 22.51 | | | | | | 20.4 | 36 | 102 | 3.73 | 3.74 | -0.02 |
| | | ISU | 23 4 25.69 | | | | | | | | | 6.71 | 6.55 | 0.16 |
| 20 | JOH | EP | 23 4 24.76 | | | | | | 34.5 | 149 | 97 | 5.98 | 6.00 | -0.02 |

JUL M = 2 8 41.81 UTC RMS = 0.51 NO = 4 — FREE DEPTH SOLUTION
21 LAT = 36.782 N ERX = ERM = AVFM = 0.7 Q = D
LONG = 116.057 W ERY = GAP = 165 AVXM = US = D — LATHROP WELLS
DEPTH = 2.01 KM ERZ = NM = OD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | LOP | EPU | 2 8 43.92 | | | | 6 | 0.7 | 12.7 | 309 | 92 | 2.11 | 2.42 | -0.31 |
| 21 | MCY | EP | 2 8 44.19 | | | | 7 | 0.9 | 15.8 | 147 | 91 | 2.38 | 2.93 | -0.55 |
| 21 | LSM | EP | 2 8 45.50 | | | | | | 19.7 | 256 | 98 | 3.69 | 3.56 | 0.13 |
| | | ESU4 | 2 8 50.80 | | | | | | | | | 8.19 | 6.23 | 1.96 |
| 21 | SPRG | EP | 2 8 46.94 | | | | 5 | 0.6 | 24.2 | 114 | 98 | 5.13 | 4.29 | 0.84 |

JUL M = 4 7 59.95 UTC RMS = 0.34 NO = 8 — FIXED DEPTH SOLUTION
21 LAT = 37.078 N ERX = 2.2 ERM = 2.6 AVFM = 1.7 Q = C — DEPTH CONTROL INADEQUATE
LONG = 116.191 W ERY = 1.4 GAP = 107 AVXM = US = C — SILENT CANYON - YUCCA FLAT
DEPTH = 5.00 KM ERZ = 6.6 NM = OD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | BGG | IPD | 4 8 1.37 | | | | 15 | 1.5 | 5.5 | 217 | 126 | 1.42 | 1.43 | 0.05 |
| 21 | SSP | EPD | 4 8 2.73 | | | | 21 | 1.9 | 17.1 | 188 | 102 | 2.78 | 3.19 | -0.41 |
| 21 | EPN | EPU | 4 8 3.24 | | | | 25 | 2.0 | 19.2 | 322 | 100 | 3.29 | 3.53 | -0.23 |
| 21 | GLR | EPD | 4 8 3.38 | | | | 27 | 2.1 | 20.5 | 69 | 100 | 3.43 | 3.73 | -0.15 |
| 21 | LCP | EP | 4 8 4.94 | | | | 20 | 1.6 | 24.9 | 175 | 98 | 5.01 | 4.43 | 0.60 |
| 21 | COH1 | EP | 4 8 6.45 | | | | 15 | 1.6 | 26.6 | 205 | 97 | 6.50 | 6.71 | -0.21 |
| 21 | BMT | EPU2 | 4 8 7.68 | | | | 7 | 1.0 | 38.1 | 307 | 95 | 7.65 | 6.56 | 0.69 |
| 21 | LSM | EPD4 | 4 8 9.31 | | | | 22 | 1.9 | 38.3 | 191 | 95 | 9.36 | 6.60 | 2.77 |
| 21 | MCY | EP | 4 8 8.72 | | | | 21 | 2.0 | 50.5 | 156 | 94 | 8.77 | 8.57 | 0.20 |

JUL M = 10 50 14.89 UTC RMS = 3.10 NO = 6 — FREE DEPTH SOLUTION
22 LAT = 36.950 N ERX = 0.7 ERM = 0.9 AVFM = 2.0 Q = C
LONG = 115.635 W ERY = 9.5 GAP = 122 AVXM = US = B — MERCURY
DEPTH = 14.55 KM ERZ = 2.0 NM = OD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | MCY | IPU | 10 50 22.75 | | | | 45 | 2.6 | 43.7 | 222 | 107 | 7.86 | 7.77 | 0.09 |
| 22 | GPR | IPU | 10 50 22.71 | | | | 45 | 2.6 | 43.8 | 344 | 107 | 7.82 | 7.78 | 0.08 |
| 22 | LSM | IPU4 | 10 50 27.12 | | | | 33 | 2.4 | 61.7 | 247 | 102 | 12.23 | 10.60 | 1.63 |
| 22 | SPRG | EPU | 10 50 26.15 | | | | | | 65.8 | 139 | 101 | 11.26 | 11.26 | 0.05 |
| 22 | EPN | EP 4 | 10 50 32.65 | | | | 34 | 2.4 | 67.7 | 295 | 101 | 17.76 | 11.56 | 6.20 |
| 22 | JOH | EPD2 | 10 50 26.56 | | | | 18 | 1.9 | 70.8 | 216 | 100 | 11.67 | 12.06 | -0.38 |
| 22 | PRN | IPU | 10 50 27.12 | | | | 27 | 2.2 | 72.2 | 46 | 100 | 12.23 | 12.29 | -0.06 |
| 22 | NCP | EP | 10 50 31.68 | | | | 33 | 2.5 | 102.8 | 297 | 53 | 16.79 | 16.84 | -0.05 |
| 22 | RANA | EPD4 | 10 50 31.45 | | | | 32 | 2.5 | 110.2 | 323 | 53 | 16.56 | 17.81 | -1.25 |

JUL M = 14 11 43.26 UTC RMS = 0.62 NO = 6 — FREE DEPTH SOLUTION
22 LAT = 36.663 N ERX = 4.2 ERM = 9.5 AVFM = 1.9 Q = D
LONG = 115.730 W ERY = 8.5 GAP = 170 AVXM = US = D — MERCURY
DEPTH = 9.84 KM ERZ = 24.5 NM = OD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | MCY | IPU | 14 11 47.87 | | | | 21 | 1.8 | 20.8 | 269 | 113 | 4.61 | 3.99 | 0.62 |
| 22 | LCP | EPU | 14 11 51.30 | | | | 18 | 1.8 | 44.4 | 298 | 101 | 8.04 | 7.70 | 0.34 |
| | | ESO | 14 11 55.62 | | | | | | | | | 12.34 | 13.46 | -1.12 |
| 22 | LSM | EPU | 14 11 52.23 | | | | 19 | 1.9 | 49.2 | 288 | 100 | 8.97 | 8.46 | 0.51 |
| | | ESO | 14 11 58.09 | | | | | | | | | 14.83 | 14.80 | 0.03 |
| 22 | SPRG | EPD | 14 11 51.69 | | | | 22 | 2.0 | 54.4 | 109 | 99 | 8.63 | 9.29 | -0.61 |

JUL M = 20 0 44.32 UTC RMS = 2.56 NO = 4 — FREE DEPTH SOLUTION
22 LAT = 37.135 N ERX = ERM = AVFM = 2.0 Q = D
LONG = 115.340 W ERY = GAP = 222 AVXM = US = D — ALAMO

LOCAL-LEVEL DATA REPORT

| JUL 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SNRG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SHRG | EPO | 10 5 57.77 | | | | 18 | 1.8 | 49.7 | 111 | 106 | 8.68 | 8.75 | -0.02 | |
| 23 | LSM | EPU | 10 5 58.68 | | | | 22 | 2.0 | 54.1 | 279 | 105 | 9.59 | 9.43 | 0.16 | |
| 23 | GPR | IPU4 | 10 5 54.34 | | | | | | 74.9 | 353 | 101 | 5.25 | 12.74 | -7.49 | |

JUL H = 13 18 49.19 UTC RMS = 0.23 NO = 5 — FREE DEPTH SOLUTION
23 LAT = 37.036 N ERX = 1.5 ERH = 6.2 AVFM = 2.0 Q = D
LONG = 115.502 W ERY = 6.0 GAP = 108 AVXM = QS = D — GROOM LAKE
DEPTH = 21.06 KM ERZ = 0.3 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | GPR | EPU | 13 18 56.80 | | | | 27 | 2.1 | 40.8 | 324 | 116 | 7.61 | 7.72 | -0.11 |
| 23 | PRM | EPD4 | 13 19 1.55 | | | | | | 57.5 | 64 | 109 | 12.36 | 10.23 | 2.13 |
| | | ESR | 13 19 7.18 | | | | | | | | | 18.15 | 17.91 | 0.24 |
| 23 | MCT | EPU4 | 13 18 56.97 | | | | 24 | 2.1 | 50.4 | 225 | 109 | 7.78 | 10.36 | -2.59 |
| 23 | LCP | EP | 13 19 0.50 | | | | 22 | 2.0 | 62.6 | 251 | 53 | 11.31 | 10.99 | 0.31 |
| 23 | SPRG | EPO | 13 19 0.55 | | | | 17 | 1.8 | 66.6 | 152 | 53 | 11.36 | 11.45 | -0.09 |
| 23 | LSM | EPU | 13 19 1.65 | | | | 20 | 2.0 | 76.1 | 204 | 53 | 12.26 | 12.74 | -0.48 |

JUL H = 11 39 43.31 UTC RMS = 0.04 NO = 9 — FREE DEPTH SOLUTION
24 LAT = 37.085 N ERX = 0.3 ERH = 0.3 AVFM = 1.8 Q = B
LONG = 116.241 W ERY = 0.1 GAP = 146 AVXM = QS = A — SILENT CANYON - YUCCA FLAT
DEPTH = 7.20 KM ERZ = 0.4 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | BGB | IPU | 11 39 46.63 | | | | 27 | 2.0 | 1.4 | 125 | 168 | 1.32 | 1.37 | 0.00 |
| 24 | SSP | IPU | 11 39 46.10 | | | | 27 | 2.0 | 13.5 | 171 | 114 | 2.79 | 2.74 | 0.05 |
| 24 | EPN | EPO | 11 39 47.07 | | | | 30 | 2.2 | 20.1 | 339 | 106 | 3.76 | 3.75 | 0.00 |
| 24 | CDM1 | IPU | 11 39 47.28 | | | | 18 | 1.7 | 21.6 | 198 | 105 | 3.97 | 3.99 | -0.02 |
| 24 | CDMS | IPU | 11 39 47.25 | | | | 5 | 0.6 | 21.6 | 198 | 105 | 3.94 | 3.99 | -0.05 |
| | | ESU | 11 39 50.27 | | | | | — | | | | 6.96 | 6.98 | -0.02 |
| 24 | LCP | EPO | 11 39 47.35 | | | | 22 | 1.9 | 22.2 | 163 | 105 | 4.04 | 4.08 | -0.04 |
| 24 | GLR | EPD4 | 11 39 47.60 | | | | 15 | 1.6 | 26.2 | 49 | 102 | 4.09 | 4.71 | -0.67 |
| 24 | LSM | EP | 11 39 49.35 | | | | 20 | 2.1 | 34.1 | 185 | 109 | 6.04 | 5.97 | 0.07 |
| 24 | MCT | EPU | 11 39 51.73 | | | | 27 | 2.2 | 49.3 | 150 | 97 | 8.42 | 8.42 | 0.00 |

JUL H = 20 30 50.30 UTC RMS = 0.11 NO = 26 — FREE DEPTH SOLUTION
25 LAT = 37.254 N ERX = 0.2 ERH = 0.3 AVFM = 3.4 Q = C
LONG = 116.474 W ERY = 0.2 GAP = 48 AVXM = QS = C — SILENT CANYON - NORTH
DEPTH = 2.22 KM ERZ = 5.8 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | EPN | IP | 20 30 53.02 | | | | | | 14.1 | 109 | 92 | 2.72 | 2.64 | 0.07 |
| 25 | BGB | IPU | 20 30 55.95 | | | | 179 | 3.7 | 32.5 | 138 | 90 | 5.65 | 5.64 | 0.06 |
| 25 | BLT | IPO | 20 30 56.72 | | | | | | 37.8 | 53 | 90 | 6.42 | 6.50 | -0.08 |
| 25 | GLR | EPO | 20 30 57.05 | | | | 93 | 3.2 | 41.0 | 99 | 90 | 6.75 | 7.01 | -0.12 |
| 25 | SSP | IPO | 20 30 57.63 | | | | 241 | 4.0 | 43.0 | 148 | 90 | 7.33 | 7.35 | -0.03 |
| 25 | CDMS | EPU | 20 30 58.06 | | | | | | 45.9 | 162 | 90 | 7.76 | 7.82 | -0.06 |
| 25 | CDM1 | IPU | 20 30 58.12 | | | | 142 | 3.6 | 45.9 | 162 | 90 | 7.82 | 7.82 | 0.00 |
| 25 | CTS | IPO | 20 30 58.55 | | | | 130 | 3.5 | 48.2 | 332 | 90 | 8.25 | 8.19 | 0.05 |
| 25 | LCP | EPO | 20 30 59.00 | | | | 145 | 3.6 | 52.1 | 148 | 90 | 8.70 | 8.83 | -0.13 |
| 25 | KRNA | IPO | 20 30 59.61 | | | | 150 | 3.7 | 55.6 | 9 | 90 | 9.31 | 9.40 | -0.09 |
| 25 | SGV | IPD4 | 20 31 4.11 | | | | 59 | 2.9 | 58.2 | 239 | 90 | 13.81 | 9.81 | 4.00 |
| 25 | LSM | IPO | 20 31 0.34 | | | | 220 | 4.0 | 69.0 | 163 | 90 | 10.04 | 10.10 | -0.07 |
| 25 | SDM | EPO | 20 31 1.57 | | | | 110 | 3.5 | 68.7 | 170 | 90 | 11.27 | 11.52 | -0.25 |
| 25 | FMT | EPO | 20 31 2.50 | | | | 97 | 3.4 | 73.4 | 202 | 90 | 12.20 | 12.24 | 0.00 |
| 25 | QCS | EPU | 20 31 3.03 | | | | 127 | 3.6 | 75.4 | 41 | 90 | 12.73 | 12.61 | 0.12 |
| 25 | MCT | IPO | 20 31 3.96 | | | | 215 | 4.1 | 88.0 | 145 | 90 | 13.66 | 13.36 | 0.29 |
| 25 | GVN | IPO | 20 31 4.07 | | | | 51 | 2.8 | 82.2 | 250 | 90 | 13.77 | 13.71 | 0.06 |
| 25 | TPU | EPO | 20 31 4.07 | | | | 101 | 3.4 | 82.8 | 62 | 90 | 13.77 | 13.81 | -0.04 |
| 25 | MCM | EPO | 20 31 5.62 | | | | 47 | 2.8 | 93.0 | 283 | 90 | 15.32 | 15.47 | -0.16 |
| 25 | PZP | EPU | 20 31 5.80 | | | | 46 | 2.8 | 94.4 | 302 | 90 | 15.50 | 15.70 | -0.02 |
| 25 | APP | EPU | 20 31 6.36 | | | | 115 | 3.6 | 95.1 | 180 | 90 | 16.06 | 15.81 | 0.24 |
| 25 | JCN | EPU | 20 31 6.22 | | | | 115 | 3.6 | 96.3 | 160 | 90 | 15.92 | 16.01 | -0.09 |
| 25 | LCM | EPU | 20 31 7.60 | | | | 33 | 2.5 | 104.2 | 269 | 90 | 17.30 | 17.29 | 0.00 |
| 25 | GRV | IPU | 20 31 10.45 | | | | 110 | 3.6 | 119.8 | 148 | 90 | 20.15 | 19.83 | 0.22 |
| 25 | SVP | EPU | 20 31 11.72 | | | | 51 | 3.0 | 120.0 | 294 | 90 | 21.42 | 21.16 | 0.11 |
| 25 | NOP | IPU4 | 20 31 12.60 | | | | 137 | 3.9 | 128.3 | 167 | 90 | 22.30 | 21.21 | 1.17 |
| 25 | PPK | EPU | 20 31 12.03 | | | | 40 | 2.8 | 128.5 | 279 | 90 | 21.73 | 21.24 | 0.48 |
| 25 | DLM | EPU | 20 31 16.12 | | | | 89 | 3.6 | 150.5 | 76 | 53 | 25.82 | 25.29 | 0.53 |

JUL H = 21 14 11.08 UTC RMS = 0.13 NO = 24 — FREE DEPTH SOLUTION
25 LAT = 37.255 N ERX = 0.3 ERH = 0.4 AVFM = 3.4 Q = C
LONG = 116.470 W ERY = 0.2 GAP = 51 AVXM = QS = C — SILENT CANYON - NORTH
DEPTH = 1.66 KM ERZ = 136.3 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | EPN | IPO | 21 14 13.50 | | | | | | 13.0 | 109 | 38 | 2.42 | 2.60 | -0.19 |
| 25 | NGN | IPO | 21 14 16.72 | | | | 130 | 3.5 | 32.4 | 138 | 38 | 5.64 | 5.63 | 0.06 |

| JUL 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ISU4 | 22 3 30.22 | | | | | | | | | 16.05 | 20.05 | -4.30 | |
| 17 | BCU | EPU4 | 22 3 32.66 | | | | 12 | 1.6 | 86.4 | 260 | 92 | 18.49 | 18.41 | 0.13 | |
| 17 | LCP | EP 4 | 22 3 30.91 | | | | 7 | 1.1 | 87.2 | 246 | 92 | 16.74 | 14.55 | 2.19 | |
| | | ISO4 | 22 3 34.02 | | | | | | | | | 19.45 | 25.06 | -5.61 | |
| 17 | JCN | EP | 22 3 32.12 | | | | | | 110.0 | 223 | 92 | 17.95 | 18.25 | -0.30 | |
| 17 | SCM | EPO | 22 3 32.60 | | | | | | 111.6 | 239 | 92 | 18.43 | 18.51 | -0.08 | |

JUL H = 17 19 57.67 UTC RMS = 0.10 NO = 11 — FREE DEPTH SOLUTION
26 LAT = 36.792 N ERX = 0.5 ERM = 1.0 AVFM = 2.2 Q = C
LONG = 115.650 W ERY = 0.8 GAP = 170 AVXM = OS = C — MERCURY
DEPTH = 0.41 KM ERZ = 122.5 NM = OD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | MCY | EPU4 | 17 20 1.20 | | | | 45 | 2.5 | 28.2 | 261 | 38 | 3.53 | 5.21 | -1.68 |
| 26 | LCP | EPU | 17 20 6.21 | | | | 33 | 2.3 | 49.1 | 290 | 38 | 8.54 | 8.61 | -0.07 |
| 26 | SMRG | IPU | 17 20 6.28 | | | | 27 | 2.2 | 49.0 | 116 | 38 | 8.61 | 8.66 | -0.08 |
| 26 | JCN | EPO | 17 20 6.59 | | | | 24 | 2.1 | 49.8 | 234 | 38 | 8.92 | 8.72 | 0.19 |
| 26 | LSM | IPU | 17 20 7.15 | | | | 40 | 2.5 | 55.7 | 274 | 38 | 9.48 | 9.67 | -0.20 |
| 26 | SSP | EPU | 17 20 7.56 | | | | 38 | 2.5 | 56.4 | 296 | 38 | 9.89 | 9.79 | 0.09 |
| 26 | SCM | EPU | 17 20 8.02 | | | | 37 | 2.5 | 61.8 | 264 | 38 | 10.35 | 10.66 | -0.32 |
| 26 | CDM1 | EPU | 17 20 8.13 | | | | 29 | 2.3 | 62.1 | 286 | 38 | 10.46 | 10.71 | -0.26 |
| 26 | CDM5 | EPO | 17 20 8.26 | | | | 24 | 2.1 | 62.1 | 286 | 38 | 10.59 | 10.71 | -0.13 |
| 26 | BGB | EPU | 17 20 8.62 | | | | 30 | 2.3 | 63.5 | 306 | 38 | 10.95 | 10.95 | 0.05 |
| 26 | GLR | EP 4 | 17 20 10.08 | | | | 31 | 2.3 | 64.2 | 329 | 38 | 12.41 | 11.05 | 1.50 |
| 26 | GMR | EPO4 | 17 20 1.65 | | | | 45 | 2.7 | 71.0 | 351 | 38 | 3.98 | 12.16 | -8.18 |
| 26 | NCP | EPO | 17 20 11.50 | | | | 23 | 2.1 | 78.0 | 215 | 38 | 13.83 | 13.30 | 0.53 |
| 26 | BRO | EPU | 17 20 12.55 | | | | 21 | 2.1 | 87.4 | 274 | 38 | 14.92 | 14.83 | 0.09 |
| 26 | PRN | IPU4 | 17 20 7.18 | | | | 27 | 2.3 | 94.7 | 32 | 38 | 9.51 | 16.02 | -6.52 |
| 26 | SGY | EPO4 | 17 20 23.71 | | | | 6 | 1.1 | 127.2 | 284 | 38 | 26.04 | 21.30 | 4.74 |

JUL H = 18 33 7.57 UTC RMS = 0.03 NO = 5 — FREE DEPTH SOLUTION
26 LAT = 36.960 N ERX = 0.2 ERM = 0.2 AVFM = 2.0 Q = D
LONG = 115.654 W ERY = 0.1 GAP = 126 AVXM = US = C — MERCURY
DEPTH = 5.99 KM ERZ = 5.8 NM = OD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | GPR | IPU | 18 33 15.39 | | | | 29 | 2.2 | 42.7 | 306 | 96 | 7.82 | 7.34 | 0.48 |
| 26 | MCY | IPU | 18 33 15.29 | | | | 29 | 2.2 | 43.0 | 220 | 96 | 7.72 | 7.39 | 0.33 |
| 26 | LCP | EPU4 | 18 33 18.79 | | | | 18 | 1.8 | 47.2 | 256 | 95 | 11.22 | 8.06 | 3.15 |
| 26 | LSM | IPU4 | 18 33 19.73 | | | | 27 | 2.2 | 60.3 | 296 | 94 | 12.16 | 10.19 | 1.97 |
| 26 | SMRG | EPU | 18 33 18.84 | | | | 30 | 2.3 | 67.4 | 139 | 94 | 11.27 | 11.34 | -0.03 |
| 26 | BLT | EPU4 | 19 33 18.30 | | | | | | 70.1 | 323 | 94 | 10.73 | 11.77 | -1.04 |
| 26 | JCN | EPO | 18 33 18.62 | | | | 15 | 1.7 | 70.3 | 215 | 94 | 11.05 | 11.81 | -0.76 |
| 26 | SCM | EPO4 | 18 33 20.70 | | | | 13 | 1.6 | 70.3 | 240 | 94 | 13.13 | 11.81 | 1.32 |
| 26 | PRN | EPU | 18 33 19.58 | | | | 28 | 2.0 | 73.1 | 47 | 93 | 12.01 | 12.26 | -0.25 |

JUL H = 9 42 4.04 UTC RMS = 0.01 NO = 8 — FREE DEPTH SOLUTION
27 LAT = 36.608 N ERX = 1.9 ERM = 2.6 AVFM = 2.2 Q = C
LONG = 115.249 W ERY = 1.8 GAP = 140 AVXM = OS = C — MAYFORD PEAK
DEPTH = 1.04 KM ERZ = 572.9 NM = OD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | SMRG | EPU | 9 42 12.30 | | | | | | 18.0 | 152 | 38 | 3.26 | 3.42 | -0.11 |
| 27 | MCY | IPU | 9 42 19.22 | | | | 38 | 2.5 | 63.8 | 271 | 38 | 10.15 | 10.86 | -0.68 |
| 27 | JCN | IPU | 9 42 23.07 | | | | 18 | 1.9 | 80.0 | 253 | 38 | 14.03 | 13.49 | 0.54 |
| 27 | LCP | EPU | 9 42 22.71 | | | | 23 | 2.2 | 85.1 | 286 | 38 | 13.67 | 14.33 | -0.66 |
| 27 | PPK | EPU | 9 42 23.64 | | | | 22 | 2.1 | 86.0 | 12 | 38 | 14.60 | 14.48 | 0.12 |
| 27 | GMR | IPU4 | 9 42 19.28 | | | | 36 | 2.6 | 89.2 | 329 | 38 | 10.24 | 14.99 | -4.74 |
| 27 | LSM | IPU | 9 42 23.63 | | | | 27 | 2.3 | 92.0 | 276 | 38 | 14.59 | 15.44 | -0.85 |
| 27 | SCM | EPO | 9 42 24.54 | | | | 15 | 1.8 | 97.5 | 270 | 38 | 15.50 | 16.34 | -0.84 |
| 27 | CDM1 | EPO | 9 42 25.68 | | | | 21 | 2.1 | 98.2 | 284 | 38 | 16.64 | 16.46 | 0.18 |
| 27 | NCP | EPU4 | 9 42 28.07 | | | | 18 | 2.0 | 99.5 | 235 | 38 | 19.03 | 16.68 | 2.36 |

JUL H = 13 50 20.09 UTC RMS = 0.00 NO = 4 — FREE DEPTH SOLUTION
27 LAT = 36.921 N ERX = ERM = AVFM = 1.7 Q = C
LONG = 115.534 W ERY = GAP = 136 AVXM = OS = A — MERCURY
DEPTH = 20.06 KM ERZ = NM = OD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | LCP | IPO | 13 50 38.19 | | | | 16 | 1.7 | 57.0 | 262 | 108 | 10.10 | 10.10 | -0.00 |
| 27 | SMRG | IPO | 13 50 38.19 | | | | | | 57.3 | 144 | 109 | 10.10 | 10.15 | 0.00 |
| 27 | PRN | EPO | 13 50 40.00 | | | | 12 | 1.5 | 68.9 | 39 | 53 | 11.91 | 11.91 | 0.00 |
| 27 | LSM | EPO | 13 50 40.00 | | | | 17 | 1.8 | 68.9 | 253 | 53 | 11.91 | 11.91 | 0.00 |

JUL H = 5 0 29.67 UTC RMS = 0.10 NO = 10 — FREE DEPTH SOLUTION
24 LAT = 36.907 N ERX = 0.8 ERM = 0.8 AVFM = 1.6 Q = C



9 0 0 8 1 4 0 2 3 9

LOCAL EQUIP DATA REPORT

| JUL 1980 | STA | PHASE | TIME (UTC) | AMP (MM) | PER (SEC) | AMAG | DUR | PMAG | DIST (KM) | AZI (DEG) | ALN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | SPRG | IPD | 3 48 11.60 | | | | 38 | 2.1 | 2.9 | 265 | 167 | 1.71 | 1.69 | 0.02 | |
| 31 | MCY | IPU | 3 48 13.01 | | | | 38 | 2.3 | 14.1 | 246 | 116 | 3.12 | 3.25 | -0.14 | |
| 31 | LCP | EPU | 3 48 16.52 | | | | 28 | 1.9 | 38.3 | 297 | 101 | 6.63 | 6.69 | -0.07 | |
| 31 | JCN | EP | 3 48 17.00 | | | | 16 | 1.7 | 40.1 | 225 | 101 | 7.11 | 6.98 | 0.12 | |
| 31 | LSM | IPU | 3 48 17.47 | | | | 38 | 2.2 | 43.6 | 276 | 100 | 7.58 | 7.55 | 0.03 | |
| 31 | SSP | IPD | 3 48 17.92 | | | | 17 | 1.8 | 46.2 | 383 | 99 | 8.03 | 7.96 | 0.07 | |
| 31 | SCM | EPD | 3 48 18.40 | | | | 12 | 1.5 | 49.6 | 264 | 99 | 8.51 | 8.51 | -0.00 | |
| 31 | CCMI | EPU | 3 48 19.05 | | | | 21 | 2.0 | 50.8 | 291 | 98 | 8.56 | 8.70 | -0.14 | |
| 31 | BGB | EPU | 3 48 19.33 | | | | 38 | 2.3 | 54.6 | 314 | 98 | 9.48 | 9.32 | 0.17 | |
| 31 | SPRG | EPD | 3 48 20.15 | | | | 14 | 1.9 | 60.4 | 111 | 97 | 10.26 | 10.24 | 0.06 | |
| 31 | GPR | EPU | 3 48 21.70 | | | | 27 | 2.1 | 70.8 | 1 | 96 | 11.61 | 11.93 | -0.13 | |
| 31 | NOP | EPU | 3 48 21.90 | | | | | | 71.0 | 208 | 96 | 12.01 | 11.96 | 0.04 | |
| | | ESU | 3 48 30.60 | | | | | | | | | 20.71 | 20.94 | -0.23 | |
| 31 | BRO | EPU | 3 48 22.83 | | | | 18 | 1.9 | 75.3 | 276 | 96 | 12.94 | 12.66 | 0.28 | |
| 31 | NPN | EPUG | 3 48 32.30 | | | | 26 | 2.4 | 138.3 | 35 | 93 | 22.41 | 20.95 | 1.46 | |
| 31 | SRG | EPUG | 3 48 35.25 | | | | 33 | 2.7 | 146.3 | 26 | 93 | 25.36 | 23.03 | 2.33 | |

JUL H = 19 22 16.68 UTC RMS = 0.37 NO = 9 — FREE DEPTH SOLUTION
31 LAT = 37.067 N ERX = 1.8 ERM = 2.4 AVRM = 3.3 Q = C
LONG = 116.001 W ERY = 1.6 GAP = 146 AVXM = QS = C — SILENT CANYON - YUCCA FLAT
DEPTH = 2.06 KM ERZ = 6.9 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | GPR | EPD | 19 22 22.58 | | | | | | 36.0 | 35 | 90 | 5.98 | 6.21 | -0.22 | |
| 31 | BLT | EPD | 19 22 23.40 | | | | | | 45.4 | 345 | 90 | 6.80 | 7.73 | -0.93 | |
| 31 | TPU | EPD | 19 22 28.03 | | | | 89 | 3.3 | 67.4 | 28 | 90 | 11.43 | 11.31 | 0.12 | |
| 31 | KPNA | EPD | 19 22 30.00 | | | | | | 83.8 | 336 | 90 | 13.40 | 13.84 | -0.44 | |
| 31 | CTS | EPU | 19 22 32.20 | | | | | | 90.4 | 315 | 90 | 15.60 | 15.05 | 0.56 | |
| 31 | PRN | EPD | 19 22 31.85 | | | | 85 | 3.3 | 92.5 | 66 | 90 | 15.25 | 15.39 | -0.14 | |
| 31 | NPN | EPU | 19 22 35.95 | | | | 79 | 3.3 | 114.5 | 55 | 90 | 19.35 | 18.97 | 0.39 | |
| 31 | GRV | EPU | 19 22 35.60 | | | | | | 114.6 | 212 | 90 | 19.00 | 19.98 | -0.88 | |
| 31 | SRG | EPUG | 19 22 37.78 | | | | | | 122.5 | 42 | 90 | 21.18 | 20.27 | 0.92 | |
| 31 | TNP | EPD | 19 22 41.83 | | | | | | 155.7 | 316 | 53 | 25.23 | 24.94 | 0.29 | |

JUL H = 19 26 15.98 UTC RMS = 0.34 NO = 16 — FREE DEPTH SOLUTION
31 LAT = 37.057 N ERX = 1.8 ERM = 1.4 AVRM = 3.9 Q = C
LONG = 116.002 W ERY = 0.9 GAP = 122 AVXM = QS = C — SILENT CANYON - YUCCA FLAT
DEPTH = 0.88 KM ERZ = 21.7 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | BLT | EPD | 19 26 23.40 | | | | 167 | 3.7 | 46.4 | 345 | 38 | 7.42 | 8.06 | -0.64 | COLLAPSE |
| 31 | BRO | EPU | 19 26 26.94 | | | | | | 64.4 | 280 | 38 | 10.96 | 11.00 | -0.04 | |
| 31 | TPU | EPD | 19 26 28.10 | | | | 190 | 3.9 | 68.4 | 27 | 38 | 12.12 | 11.68 | 0.48 | |
| 31 | JON | EPU | 19 26 27.62 | | | | 178 | 3.8 | 69.1 | 187 | 38 | 11.64 | 11.76 | -0.12 | |
| 31 | NPN | EPC | 19 26 28.00 | | | | 182 | 3.9 | 72.6 | 272 | 38 | 12.02 | 12.33 | -0.30 | |
| 31 | OCS | EPUG | 19 26 30.70 | | | | | | 79.2 | 6 | 38 | 14.72 | 13.41 | 1.31 | |
| 31 | FMT | EPU | 19 26 29.82 | | | | | | 83.4 | 236 | 38 | 13.84 | 14.08 | -0.14 | |
| 31 | KPNA | EPD | 19 26 29.98 | | | | | | 83.9 | 336 | 38 | 14.00 | 14.16 | -0.16 | |
| 31 | APR | EPU | 19 26 30.10 | | | | 160 | 3.8 | 88.5 | 210 | 38 | 14.12 | 14.26 | -0.14 | |
| 31 | CTS | EPD | 19 26 31.80 | | | | | | 91.1 | 315 | 38 | 15.82 | 15.34 | 0.48 | |
| 31 | PRN | EPU | 19 26 31.80 | | | | | | 93.6 | 65 | 38 | 15.82 | 15.65 | 0.17 | |
| 31 | MTI | EPU | 19 26 31.60 | | | | | | 94.3 | 43 | 38 | 15.62 | 15.86 | -0.24 | |
| 31 | NCP | IPU | 19 26 33.49 | | | | 217 | 4.2 | 104.8 | 187 | 38 | 17.51 | 17.43 | 0.08 | |
| 31 | GRV | EPD | 19 26 35.65 | | | | 178 | 4.0 | 113.6 | 212 | 38 | 19.67 | 19.00 | 0.57 | |
| 31 | GVN | EPU | 19 26 36.65 | | | | 166 | 4.0 | 119.5 | 267 | 34 | 20.67 | 19.95 | 0.52 | |
| 31 | MCA | EPUG | 19 26 37.20 | | | | | | 122.7 | 248 | 38 | 21.22 | 20.47 | 0.75 | |
| 31 | DLM | EPDG | 19 26 38.70 | | | | | | 127.5 | 61 | 38 | 22.72 | 21.25 | 1.47 | |
| 31 | OSM | EPU | 19 26 39.30 | | | | | | 143.9 | 213 | 38 | 23.32 | 23.63 | -0.30 | |
| 31 | PPK | EPD | 19 26 44.20 | | | | 186 | 4.1 | 178.0 | 284 | 30 | 28.22 | 27.54 | 0.68 | |

AUG H = 3 42 4.24 UTC RMS = 0.18 NO = 5 — FREE DEPTH SOLUTION
06 LAT = 37.042 N ERX = 0.7 ERM = 0.9 AVRM = 1.6 Q = C
LONG = 116.133 W ERY = 0.5 GAP = 156 AVXM = QS = B — SILENT CANYON - YUCCA FLAT
DEPTH = 0.61 KM ERZ = 1.6 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | BGB | IPU | 3 42 5.95 | | | | 17 | 1.6 | 8.6 | 259 | 38 | 1.71 | 1.97 | -0.21 | |
| 06 | GLR | IPD | 3 42 7.00 | | | | 13 | 1.4 | 14.3 | 32 | 38 | 3.56 | 3.71 | -0.00 | |
| 06 | LGP | EPD | 3 42 8.68 | | | | 16 | 1.6 | 22.2 | 188 | 38 | 4.44 | 4.19 | 0.25 | |
| 06 | EPM | EPU | 3 42 9.70 | | | | | | 28.7 | 317 | 38 | 4.46 | 4.60 | -0.14 | |
| | | ESU | 3 42 12.39 | | | | | | | | | 8.15 | 8.04 | 0.11 | |
| 06 | BMT | EPDG | 3 42 13.41 | | | | | | 43.9 | 306 | 38 | 9.17 | 7.71 | 1.06 | |
| 06 | EPR | EP G | 3 42 15.30 | | | | | | 85.1 | 81 | 38 | 11.06 | 14.42 | -3.36 | |

AUG H = 9 37 34.49 UTC RMS = 0.16 NO = 13 — FREE DEPTH SOLUTION
06 LAT = 37.253 N ERX = 0.5 ERM = 0.7 AVRM = 2.7 Q = B
LONG = 116.483 W ERY = 0.5 GAP = 75 AVXM = QS = B — SILENT CANYON - NORTH



90814 0240

LOCAL-[illegible] DATA REPORT

| AUG 1980 | STA | PHASE | TIME (UTC) | AMP (MUV) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 LAT = 36.536 N | | | | ERX = | | ERM = | | AVFM = | 1.6 | Q = C | | | | | |
| LONG = 116.587 W | | | | ERY = | | GAP = 267 | | AVXM = | | QS = A | | LATHROP WELLS | | | |
| DEPTH = 1.39 KM | | | | ERZ = | | NM = | | | | QD = D | | | | | |
| 09 | SCM | EPU | 2 21 24.37 | | | | | 12 | 1.3 | 12.9 | 20 | 38 | 2.47 | 2.52 | -0.05 |
| 09 | LSM | EPU | 2 21 26.38 | | | | | 22 | 1.9 | 24.8 | 25 | 38 | 4.48 | 4.45 | 0.03 |
| 09 | JCM | EPU | 2 21 28.82 | | | | | 12 | 1.6 | 27.6 | 113 | 38 | 6.92 | 6.91 | 0.01 |
| 09 | MCY | EPU | 2 21 28.92 | | | | | 20 | 1.9 | 40.5 | 70 | 38 | 7.02 | 7.00 | 0.01 |
| AUG H = 2 21 40.57 UTC | | | | RMS = | 0.05 | NO = 5 | | | | | | | | | FREE DEPTH SOLUTION |
| 09 LAT = 36.636 N | | | | ERX = | 1.5 | ERM = | 1.6 | AVFM = | 1.3 | Q = C | | | | | |
| LONG = 116.271 W | | | | ERY = | 0.7 | GAP = 156 | | AVXM = | | QS = B | | LATHROP WELLS | | | |
| DEPTH = 9.76 KM | | | | ERZ = | 3.8 | NM = | | | | QD = D | | | | | |
| 09 | SCM | EPU | 2 21 42.66 | | | | | 9 | 1.1 | 6.8 | 299 | 143 | 2.09 | 2.13 | -0.04 |
| 09 | LSM | EPU | 2 21 43.60 | | | | | 15 | 1.5 | 13.6 | 346 | 123 | 3.03 | 2.96 | 0.07 |
| 09 | JCM | EPU | 2 21 45.17 | | | | | 10 | 1.2 | 24.7 | 142 | 109 | 4.60 | 4.58 | 0.01 |
| | | ESU | 2 21 48.63 | | | | | | | | | | 8.06 | 8.02 | 0.03 |
| 09 | MCY | EPU | 2 21 45.63 | | | | | 10 | 1.2 | 28.1 | 88 | 107 | 5.06 | 5.12 | -0.06 |
| AUG H = 8 14 29.97 UTC | | | | RMS = | 0.32 | NO = 8 | | | | | | | | | FREE DEPTH SOLUTION |
| 11 LAT = 37.152 N | | | | ERX = | 1.5 | ERM = | 2.0 | AVFM = | 1.3 | Q = C | | | | | |
| LONG = 117.392 W | | | | ERY = | 1.3 | GAP = 127 | | AVXM = | | QS = C | | MT. JACKSON | | | |
| DEPTH = 12.10 KM | | | | ERZ = | 6.6 | NM = | | | | QD = B | | | | | |
| 11 | GVN | EPU | 8 14 33.70 | | | | | 17 | 1.7 | 17.3 | 165 | 123 | 3.73 | 3.66 | 0.07 |
| 11 | GMN | EP— | 8 14 34.47 | | | | | 7 | 0.9 | 20.2 | 35 | 119 | 4.50 | 4.08 | 0.43 |
| | | ESU | 8 14 37.01 | | | | | | | | | | 7.04 | 7.14 | -0.09 |
| 11 | LCM | EPD | 8 14 34.46 | | | | | 12 | 1.4 | 24.5 | 292 | 114 | 4.6[illegible] | 4.70 | -0.20 |
| 11 | MGM | EPU | 8 14 36.04 | | | | | 8 | 1.1 | 33.4 | 304 | 108 | 6.07 | 6.06 | 0.02 |
| | | ESD | 8 14 40.68 | | | | | | | | | | 10.83 | 10.60 | 0.23 |
| 11 | SGV | EPU | 8 14 36.95 | | | | | 12 | 1.4 | 37.2 | 121 | 106 | 6.98 | 6.64 | 0.35 |
| 11 | BPT | EPD | 8 14 42.17 | | | | | | | 77.6 | 79 | 98 | 12.20 | 13.08 | -1.28 |
| AUG H = 8 19 44.69 UTC | | | | RMS = | 0.23 | NO = 11 | | | | | | | | | FREE DEPTH SOLUTION |
| 11 LAT = 37.115 N | | | | ERX = | 1.2 | ERM = | 1.5 | AVFM = | 1.2 | Q = C | | | | | |
| LONG = 116.306 W | | | | ERY = | 0.7 | GAP = 149 | | AVXM = | | QS = B | | SILENT CANYON - PAHUTE MESA | | | |
| DEPTH = 1.56 KM | | | | ERZ = | 2.3 | NM = | | | | QD = C | | | | | |
| 11 | BGB | IPU | 8 19 47.05 | | | | | 11 | 1.3 | 11.0 | 141 | 38 | 2.36 | 2.17 | 0.23 |
| 11 | EPN | EPU | 8 19 46.69 | | | | | 2 | -0.2 | 11.1 | 352 | 38 | 2.00 | 2.19 | -0.19 |
| 11 | BPT | IPU | 8 19 50.45 | | | | | 11 | 1.3 | 27.5 | 313 | 38 | 5.76 | 4.86 | 0.50 |
| | | ISD | 8 19 54.69 | | | | | | | | | | 10.20 | 9.20 | 0.99 |
| 11 | COH1 | IPU | 8 19 49.75 | | | | | 9 | 1.1 | 28.3 | 182 | 38 | 5.06 | 4.98 | 0.09 |
| | | ES | 8 19 53.10 | | | | | | | | | | 8.41 | 8.71 | -0.30 |
| 11 | COH5 | EPD | 8 19 49.73 | | | | | | | 28.3 | 182 | 38 | 5.04 | 4.98 | 0.06 |
| 11 | LCP | EPD | 8 19 50.21 | | | | | 17 | 1.7 | 31.5 | 157 | 38 | 5.52 | 5.49 | 0.02 |
| 11 | MMM | EP | 8 19 52.44 | | | | | 18 | 1.3 | 45.7 | 265 | 38 | 7.71 | 7.81 | -0.10 |
| | | ESU | 8 19 58.26 | | | | | | | | | | 13.57 | 13.67 | -0.10 |
| 11 | MCY | EP | 8 19 54.64 | | | | | 19 | 1.9 | 58.9 | 149 | 38 | 9.95 | 9.96 | -0.01 |
| AUG H = 4 53 13.94 UTC | | | | RMS = | 0.17 | NO = 19 | | | | | | | | | FREE DEPTH SOLUTION |
| 12 LAT = 36.487 N | | | | ERX = | 0.4 | ERM = | 0.6 | AVFM = | 2.1 | Q = C | | | | | |
| LONG = 116.809 W | | | | ERY = | 0.4 | GAP = 67 | | AVXM = | | QS = B | | FURNACE CREEK | | | |
| DEPTH = 0.21 KM | | | | ERZ = | 1.1 | NM = | | | | QD = C | | | | | |
| 12 | FMT | IPD | 4 53 16.97 | | | | | 40 | 2.4 | 17.2 | 9 | 38 | 3.03 | 3.45 | -0.32 |
| 12 | PGE | EPD | 4 53 19.00 | | | | | 32 | 2.2 | 27.6 | 236 | 38 | 5.06 | 5.16 | -0.09 |
| 12 | AFR | IPU | 4 53 19.64 | | | | | 17 | 1.7 | 31.7 | 138 | 38 | 5.70 | 5.81 | -0.11 |
| 12 | BRO | IPD | 4 53 19.94 | | | | | 26 | 2.1 | 34.7 | 28 | 38 | 6.02 | 6.31 | -0.29 |
| 12 | GHV | IPU | 4 53 20.41 | | | | | 19 | 1.8 | 35.6 | 159 | 38 | 6.47 | 6.46 | -0.07 |
| 12 | SDM | EPD4 | 4 53 22.22 | | | | | 13 | 1.5 | 45.7 | 67 | 38 | 8.28 | 8.09 | 0.19 |
| 12 | LSM | EPD | 4 53 23.53 | | | | | 26 | 2.2 | 55.6 | 40 | 39 | 9.59 | 9.71 | -0.11 |
| 12 | GSM | EPD | 4 53 24.25 | | | | | 30 | 2.3 | 59.1 | 145 | 38 | 10.31 | 10.11 | 0.21 |
| 12 | SGV | EPD | 4 53 24.42 | | | | | 34 | 2.4 | 58.4 | 340 | 38 | 10.48 | 10.15 | 0.33 |
| | | ESD | 4 53 31.62 | | | | | | | | | | 17.68 | 17.76 | -0.08 |
| 12 | COH1 | EPD | 4 53 24.37 | | | | | 31 | 2.3 | 60.4 | 47 | 38 | 10.43 | 10.48 | -0.05 |
| 12 | COH5 | EP | 4 53 24.37 | | | | | | | 60.4 | 47 | 38 | 10.43 | 10.48 | -0.05 |
| | | FSU2 | 4 53 32.36 | | | | | | | | | | 18.42 | 18.35 | 0.08 |
| 12 | JCM | EP | 4 53 25.10 | | | | | | | 63.5 | 95 | 38 | 11.16 | 10.99 | 0.18 |
| 12 | TMU | EPD | 4 53 24.96 | | | | | 28 | 2.2 | 64.2 | 303 | 38 | 11.02 | 11.09 | -0.07 |
| 12 | MMM | EPU4 | 4 53 26.18 | | | | | 31 | 2.4 | 65.9 | 359 | 38 | 12.24 | 11.38 | 0.87 |
| | | ESU | 4 53 33.88 | | | | | | | | | | 19.94 | 19.91 | 0.03 |
| 12 | LCP | EPD | 4 53 26.17 | | | | | 20 | 2.0 | 70.4 | 55 | 38 | 12.23 | 12.10 | 0.13 |

LOCAL-[illegible] DATA [illegible]

| AUG 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | QSM | EPU | 23 [illegible]9 59.40 | | | | 27 | 2.2 | 57.4 | 176 | 94 | 9.50 | 9.71 | -0.21 | |
| 15 | LSM | EPU | 23 10 1.20 | | | | 29 | 2.3 | 64.5 | 64 | 94 | 11.30 | 10.86 | 0.45 | |
| 15 | NPN | EPD | 23 10 1.60 | | | | 20 | 2.1 | 67.1 | 0 | 93 | 11.70 | 11.28 | 0.42 | |
| | | ISU | 23 10 9.62 | | | | | | | | | 19.72 | 19.75 | -0.02 | |
| 15 | GVN | EPU4 | 23 10 2.70 | | | | 25 | 2.2 | 69.1 | 327 | 93 | 12.80 | 11.60 | 1.20 | |
| 15 | JCN | EPD | 23 10 2.19 | | | | 13 | 1.6 | 73.1 | 94 | 93 | 12.29 | 12.26 | 0.03 | |
| 15 | LCP | EP [illegible] | 23 10 3.80 | | | | 23 | 2.1 | 78.8 | 54 | 93 | 13.90 | 13.18 | 0.72 | |
| 15 | NOP | EPD | 23 10 2.90 | | | | 16 | 1.8 | 79.1 | 120 | 93 | 13.00 | 13.24 | -0.23 | |
| 15 | MCY | EPD | 23 19 5.11 | | | | 28 | 2.3 | 87.8 | 77 | 93 | 15.21 | 14.65 | 0.57 | |
| 15 | APK | EPU | 23 10 10.45 | | | | | | 121.0 | 98 | 92 | 20.55 | 20.18 | 0.37 | |

AUG M = 17 48 9.1[illegible] UTC RMS = 0.13 NO = 17 — FREE DEPTH SOLUTION
17 LAT = 36.990 N ERZ = 0.6 ERM = 0.9 AVFM = 2.6 Q = D
LONG = 117.536 W ERY = 0.6 GAP = 187 AVXM = QS = C — DRY MOUNTAIN
DEPTH = 0.0[illegible] KM ERZ = 7.0 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | GVN | IPU | 17 48 12.55 | | | | 59 | 2.7 | 17.3 | 86 | 38 | 3.41 | 3.50 | -0.09 |
| 17 | LCM | IPD | 17 48 14.33 | | | | 51 | 2.6 | 20.9 | 340 | 38 | 5.19 | 5.38 | -0.19 |
| 17 | GPN | IPD | 17 48 16.74 | | | | 38 | 2.6 | 42.3 | 36 | 38 | 7.60 | 7.57 | 0.03 |
| 17 | MGM | EPD | 17 48 18.00 | | | | 51 | 2.7 | 50.2 | 4 | 38 | 8.86 | 8.85 | 0.01 |
| 17 | PPK | IPD | 17 48 19.07 | | | | 46 | 2.7 | 59.6 | 326 | 38 | 10.33 | 10.21 | 0.12 |
| 17 | NPN | EPU | 17 48 20.12 | | | | 53 | 2.8 | 60.7 | 81 | 38 | 10.98 | 11.21 | -0.23 |
| 17 | MZP | EPD | 17 48 22.80 | | | | 47 | 2.8 | 80.0 | 10 | 38 | 13.66 | 13.70 | 0.15 |
| 17 | SVP | EPD | 17 48 23.56 | | | | 43 | 2.7 | 83.8 | 344 | 38 | 14.42 | 14.31 | -0.04 |
| 17 | SCM | EPD | 17 48 28.27 | | | | 22 | 2.2 | 113.6 | 110 | 38 | 19.13 | 19.15 | -0.02 |
| 17 | APR | EP | 17 48 28.38 | | | | 24 | 2.3 | 115.5 | 125 | 38 | 19.16 | 19.46 | -0.30 |
| 17 | LSM | EPD | 17 48 28.72 | | | | 40 | 2.7 | 116.1 | 104 | 38 | 19.50 | 19.56 | 0.01 |
| 17 | SSP | EPD | 17 48 29.09 | | | | 35 | 2.6 | 117.5 | 94 | 38 | 19.95 | 19.80 | 0.15 |
| 17 | GHV | EPD | 17 48 29.33 | | | | 23 | 2.3 | 118.1 | 139 | 38 | 20.19 | 19.89 | 0.20 |
| 17 | LOP | EPD | 17 48 29.90 | | | | 32 | 2.6 | 122.9 | 97 | 38 | 20.7[illegible] | 20.68 | 0.08 |
| 17 | JCN | IPD | 17 48 32.65 | | | | 25 | 2.4 | 141.9 | 115 | 38 | 23.51 | 23.55 | -0.04 |
| 17 | MCY | EPU | 17 48 33.26 | | | | 41 | 2.9 | 145.2 | 195 | 38 | 24.12 | 23.97 | 0.15 |
| 17 | NOP | EP | 17 48 34.82 | | | | | | 156.5 | 128 | 38 | 25.68 | 25.44 | 0.24 |

AUG M = 8 8 42.67 UTC RMS = 0.12 NO = 9 — FREE DEPTH SOLUTION
18 LAT = 37.170 N ERZ = ERM = AVFM = 2.4 Q = C
LONG = 115.198 W ERY = GAP = 131 AVXM = QS = A — ALAMO
DEPTH = 4.01 KM ERZ = NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | EPR | IPD | 8 8 43.50 | | | | 63 | 2.7 | 0.2 | 141 | 176 | 0.83 | 0.83 | 0.01 |
| 18 | PPN | IPD[illegible] | 8 8 48.26 | | | | 45 | 2.5 | 29.8 | 25 | 95 | 5.59 | 5.08 | 0.51 |
| 18 | GPR | EPU | 8 8 51.75 | | | | 30 | 2.3 | 56.8 | 299 | 92 | 9.08 | 9.27 | -0.19 |
| 18 | NPN | EPD | 8 8 52.47 | | | | 29 | 2.3 | 58.0 | 23 | 92 | 9.80 | 9.79 | 0.01 |
| 18 | GLR | EPU | 8 8 55.05 | | | | 29 | 2.3 | 73.7 | 273 | 92 | 12.38 | 12.35 | 0.18 |

AUG M = 8 33 4.44 UTC RMS = 0.17 NO = 9 — FREE DEPTH SOLUTION
19 LAT = 36.910 N ERZ = 1.3 ERM = 1.4 AVFM = 1.5 Q = C
LONG = 115.946 W ERY = 0.7 GAP = 181 AVXM = QS = B — MERCURY
DEPTH = 9.42 KM ERZ = 4.3 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | LCP | EPD | 8 33 7.67 | | | | 18 | 1.5 | 17.3 | 249 | 116 | 3.23 | 3.46 | -0.23 |
| | | ES | 8 33 10.50 | | | | | | | | | 6.06 | 6.05 | 0.01 |
| 19 | SSP | EPU | 8 33 8.47 | | | | 9 | 1.1 | 20.8 | 275 | 111 | 4.03 | 3.98 | 0.05 |
| 19 | DGB | EPU | 8 33 9.09 | | | | 19 | 1.8 | 25.8 | 303 | 107 | 4.65 | 4.74 | -0.08 |
| 19 | MCY | IPU | 8 33 9.32 | | | | 13 | 1.5 | 27.6 | 176 | 106 | 4.88 | 5.02 | -0.14 |
| 19 | CCM1 | EP | 8 33 10.90 | | | | 15 | 1.6 | 30.1 | 260 | 105 | 6.46 | 5.41 | 1.05 |
| 19 | LSM | EP | 8 33 10.39 | | | | 12 | 1.4 | 31.8 | 233 | 104 | 5.95 | 5.68 | 0.27 |
| | | ESD | 8 33 14.[illegible] | | | | | | | | | 9.94 | 9.94 | 0.00 |
| 19 | GLR | EPD | 8 33 10.01 | | | | 17 | 1.7 | 32.3 | 355 | 104 | 5.57 | 5.75 | -0.04 |

AUG M = 11 58 16.22 UTC RMS = 0.09 NO = 17 — FREE DEPTH SOLUTION
20 LAT = 36.711 N ERZ = 0.2 ERM = 0.4 AVFM = 2.0 Q = B
LONG = 115.694 W ERY = 0.3 GAP = 132 AVXM = QS = A — MERCURY
DEPTH = 7.81 KM ERZ = 1.6 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | SPRG | IPU | 11 58 19.83 | | | | 33 | 2.2 | 18.5 | 264 | 110 | 3.61 | 3.53 | 0.08 |
| 20 | MCY | IPU | 11 58 21.86 | | | | 24 | 2.0 | 32.5 | 260 | 101 | 5.64 | 5.73 | -0.10 |
| 20 | SHHG | EPD | 11 58 24.10 | | | | 23 | 2.0 | 46.2 | 120 | 98 | 7.88 | 7.93 | -0.06 |
| 20 | LCP | EPU | 11 58 25.20 | | | | 17 | 1.8 | 52.8 | 284 | 97 | 8.98 | 8.99 | -0.02 |
| 20 | JCN | EPD | 11 58 25.51 | | | | 12 | 1.5 | 53.9 | 234 | 97 | 9.29 | 9.17 | 0.12 |
| | | ESU | 11 58 32.30 | | | | | | | | | 16.08 | 16.08 | 0.00 |
| 20 | LSM | EPU | 11 58 26.34 | | | | 19 | 1.9 | 59.8 | 273 | 96 | 10.12 | 10.13 | -0.01 |
| 20 | SSP | IPD | 11 58 26.46 | | | | 18 | 1.8 | 59.8 | 293 | 96 | 10.22 | 10.13 | 0.09 |
| | | ISD | 11 58 34.50 | | | | | | | | | 18.28 | 17.73 | 0.55 |



9 0 8 1 4 0 2 4 2

[illegible]
LOCAL-EVENT DATA REPORT

| AUG 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | QUM | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TURS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEPTH = 2.98 KM | | | ERZ = 7.3 KM = | | | | | | | UD = C | | | | | |
| 23 | SGV | IPU | 3 37 54.03 | | | | | 44 | 2.5 | 16.2 | 184 | 95 | 2.98 | 2.99 | -0.01 |
| 23 | MPN | IPU | 3 37 58.28 | | | | | 35 | 2.3 | 18.5 | 106 | 98 | 3.19 | 3.37 | -0.18 |
| 23 | GPN | EPU | 3 37 56.06 | | | | | 30 | 2.2 | 28.8 | 312 | 93 | 5.01 | 5.05 | -0.03 |
| 23 | GVN | EPD | 3 37 56.62 | | | | | 32 | 2.3 | 32.0 | 244 | 92 | 5.57 | 5.56 | 0.02 |
| 23 | GPT | EPUa | 3 37 57.00 | | | | | 42 | 2.5 | 46.4 | 68 | 92 | 5.95 | 7.91 | -2.36 |
| 23 | BRO | EPD | 3 37 59.95 | | | | | 24 | 2.1 | 53.4 | 139 | 91 | 8.90 | 9.05 | -0.15 |
| 23 | CDHS | EPU | 3 38 2.62 | | | | | 23 | 2.1 | 69.8 | 115 | 98 | 11.57 | 11.57 | -0.00 |
| 23 | CDH1 | EPD | 3 38 2.55 | | | | | 30 | 2.3 | 69.8 | 115 | 98 | 11.50 | 11.57 | -0.07 |
| 23 | BGB | EPU | 3 38 3.03 | | | | | 30 | 2.3 | 71.0 | 94 | 98 | 11.98 | 11.89 | 0.10 |
| 23 | SSP | IPU | 3 38 3.75 | | | | | 23 | 2.1 | 74.6 | 107 | 98 | 12.70 | 12.49 | 0.22 |
| | | ESD | 3 38 12.98 | | | | | | | | | | 21.85 | 21.85 | 0.00 |
| 23 | LSM | EPU | 3 38 4.49 | | | | | 24 | 2.2 | 79.2 | 123 | 98 | 13.44 | 13.23 | 0.21 |
| 23 | SDM | EPD | 3 38 4.49 | | | | | 33 | 2.4 | 80.8 | 131 | 95 | 13.44 | 13.48 | -0.04 |
| 23 | LOP | EP 3 | 3 38 5.12 | | | | | | | 81.5 | 112 | 98 | 14.07 | 13.61 | 0.46 |
| 23 | MCY | EPD | 3 38 9.05 | | | | | 26 | 2.3 | 107.3 | 119 | 98 | 18.00 | 17.81 | 0.20 |
| 23 | NOP | EPDa | 3 38 14.38 | | | | | | | 135.2 | 145 | 53 | 23.33 | 22.18 | 1.15 |

AUG H = 10 34 23.72 UTC RMS = 0.14 NO = 6 — FREE DEPTH SOLUTION
24 LAT = 36.769 N ERX = 1.2 ERM = 1.8 AVFM = 0.9 Q = C
LONG = 116.023 W ERY = 1.3 GAP = 209 AVXM = QS = B — LATHROP WELLS
DEPTH = 9.69 KM ERZ = 3.1 KM = QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | MCY | EPD | 10 34 26.54 | | | | | 8 | 1.0 | 13.1 | 155 | 123 | 2.82 | 2.88 | -0.05 |
| | | ISU | 10 34 28.79 | | | | | | | | | | 5.07 | 5.03 | 0.04 |
| 24 | LOP | EPD | 10 34 26.95 | | | | | 6 | 0.7 | 16.0 | 306 | 118 | 3.23 | 3.28 | -0.05 |
| | | ESU | 10 34 29.45 | | | | | | | | | | 5.73 | 5.78 | -0.01 |
| 24 | LSM | EP | 10 34 28.47 | | | | | 9 | 1.1 | 22.5 | 261 | 111 | 4.75 | 4.24 | 0.51 |
| | | ESU | 10 34 31.01 | | | | | | | | | | 7.29 | 7.42 | -0.13 |

AUG H = 11 40 9.15 UTC RMS = 0.33 NO = 8 — FIXED DEPTH SOLUTION
24 LAT = 36.880 N ERX = 1.8 ERM = 2.2 AVFM = 1.0 Q = C — DEPTH CONTROL INADEQUATE
LONG = 116.224 W ERY = 1.3 GAP = 115 AVXM = QS = C — LATHROP WELLS
DEPTH = 5.00 KM ERZ = 4.7 KM = QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | SSP | EP | 11 40 10.69 | | | | | 7 | 0.8 | 5.0 | 5 | 129 | 1.54 | 1.36 | 0.18 |
| 24 | LOP | EPD | 11 40 10.15 | | | | | 8 | 1.0 | 5.8 | 120 | 125 | 1.00 | 1.46 | -0.46 |
| | | ESD | 11 40 11.85 | | | | | | | | | | 2.70 | 2.56 | 0.14 |
| 24 | CDH1 | IPU | 11 40 11.26 | | | | | 11 | 1.2 | 8.7 | 255 | 114 | 2.11 | 1.87 | 0.24 |
| 24 | CDHS | EP | 11 40 11.30 | | | | | | | 8.7 | 255 | 114 | 2.15 | 1.47 | 0.28 |
| 24 | LSM | EP | 11 40 11.95 | | | | | 7 | 0.9 | 16.2 | 195 | 102 | 2.80 | 3.05 | -0.25 |
| 24 | SGB | EP | 11 40 12.10 | | | | | 11 | 1.3 | 17.5 | 359 | 101 | 2.95 | 3.25 | -0.25 |
| 24 | MCY | EP | 11 40 16.29 | | | | | | | 33.6 | 136 | 96 | 7.14 | 5.85 | 1.29 |

AUG H = 23 7 2.35 UTC RMS = 0.20 NO = 11 — FREE DEPTH SOLUTION
24 LAT = 36.629 N ERX = 0.9 ERM = 1.3 AVFM = 1.7 Q = C
LONG = 115.997 W ERY = 0.9 GAP = 138 AVXM = QS = B — MERCURY
DEPTH = 9.01 KM ERZ = 2.4 KM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | MCY | IPD | 23 7 4.19 | | | | | 25 | 1.9 | 4.8 | 40 | 150 | 1.84 | 1.84 | 0.00 |
| 24 | SPRG | EPU | 23 7 5.83 | | | | | 18 | 1.7 | 18.2 | 67 | 113 | 3.48 | 3.56 | -0.08 |
| 24 | JON | IPD | 23 7 6.74 | | | | | 18 | 1.2 | 23.0 | 204 | 109 | 4.39 | 4.29 | 0.10 |
| 24 | LSM | IPU | 23 7 7.20 | | | | | 23 | 1.9 | 27.5 | 296 | 106 | 4.65 | 4.98 | -0.13 |
| 24 | LOP | IPU | 23 7 7.56 | | | | | 12 | 1.4 | 29.3 | 329 | 105 | 5.21 | 5.27 | -0.05 |
| 24 | SDM | EPD | 23 7 7.74 | | | | | 9 | 1.1 | 30.6 | 273 | 104 | 5.39 | 5.48 | -0.08 |
| 24 | CDH1 | IPU | 23 7 8.90 | | | | | 19 | 1.6 | 38.5 | 312 | 101 | 6.55 | 6.73 | -0.17 |
| 24 | CDHS | EP | 23 7 8.83 | | | | | 13 | 1.5 | 38.5 | 312 | 101 | 6.48 | 6.73 | -0.24 |
| 24 | GPR | EPU | 23 7 16.2. | | | | | 15 | 1.8 | 88.8 | 14 | 95 | 13.85 | 13.54 | 0.31 |
| 24 | MPN | EPD | 23 7 17.55 | | | | | 17 | 1.9 | 88.8 | 304 | 95 | 15.20 | 14.83 | 0.37 |
| 24 | SGV | EPU | 23 7 19.59 | | | | | 19 | 2.0 | 100.4 | 293 | 94 | 17.24 | 16.72 | 3.53 |

AUG H = 8 7 48.75 UTC RMS = 0.08 NO = 16 — FREE DEPTH SOLUTION
25 LAT = 37.312 N ERX = 0.2 ERM = 0.3 AVFM = 2.0 Q = B
LONG = 116.437 W ERY = 0.2 GAP = 93 AVXM = QS = A — SILENT CANYON - NORTH
DEPTH = 10.44 KM ERZ = 1.5 KM = QD = A

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | RMT | IPUa | 8 7 52.11 | | | | | 26 | 2.0 | 9.1 | 250 | 136 | 3.36 | 2.45 | 0.50 |
| 25 | EPN | IPU | 8 7 51.96 | | | | | 33 | 2.2 | 10.8 | 137 | 122 | 3.21 | 3.18 | 0.03 |
| 25 | HLT | EPD | 8 7 54.67 | | | | | 12 | 1.4 | 31.5 | 54 | 166 | 5.72 | 5.68 | 0.04 |
| 25 | BGB | EPD | 8 7 55.09 | | | | | 33 | 2.3 | 35.7 | 149 | 104 | 6.34 | 6.33 | 0.06 |
| 25 | GLN | EPUa | 8 7 55.15 | | | | | 25 | 2.1 | 39.3 | 109 | 103 | 6.40 | 6.90 | -0.35 |
| 25 | MPN | EPD | 8 7 56.07 | | | | | 22 | 2.0 | 42.4 | 233 | 102 | 7.32 | 7.40 | -0.08 |
| 25 | CTS | IPU | 8 7 56.49 | | | | | 12 | 1.4 | 44.4 | 325 | 101 | 7.74 | 7.72 | 0.02 |



9 0 8 1 4 0 2 4 3

| AUG 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUP | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG H = 13 32 25.71 UTC | | | | RMS = 0.09 | NO = 12 | | | | | | | | | | FREE DEPTH SOLUTION |
| 25 LAT = 37.311 N | | | | ERX = 0.3 | ERH = 0.6 | | | AVFM = | 1.8 | Q = B | | | | | |
| LONG = 116.435 W | | | | ERY = 0.3 | GAP = 93 | | | AVXM = | | QS = A | | | | | SILENT CANYON - NORTH |
| DEPTH = 14.59 KM | | | | ERZ = 1.1 | NM = | | | | | QD = A | | | | | |
| 25 | BPT | EPU | 13 32 29.31 | | | | 21 | 1.8 | 9.3 | 251 | 146 | 3.60 | 3.80 | 0.20 | |
| 25 | EPN | IPU | 13 32 29.16 | | | | 29 | 2.1 | 14.6 | 137 | 133 | 3.45 | 3.56 | -0.11 | |
| 25 | BLT | EPD | 13 32 31.60 | | | | | | 31.8 | 58 | 113 | 5.89 | 5.88 | 0.00 | |
| 25 | BGB | EPU | 13 32 32.00 | | | | 19 | 1.8 | 35.5 | 149 | 111 | 6.29 | 6.50 | -0.16 | |
| 25 | GLR | EPD | 13 32 32.50 | | | | 12 | 1.8 | 39.8 | 108 | 109 | 6.87 | 7.06 | -0.03 | |
| 25 | NPN | IPD | 13 32 33.29 | | | | 15 | 1.6 | 42.5 | 233 | 107 | 7.58 | 7.59 | -0.01 | |
| 25 | CTS | IPU | 13 32 33.66 | | | | | | 44.7 | 325 | 107 | 7.95 | 7.92 | 0.03 | |
| | | ESD | 13 32 39.46 | | | | | | | | | 13.75 | 13.86 | -0.11 | |
| 25 | SSP | EPU2 | 13 32 36.71 | | | | 17 | 1.8 | 46.9 | 156 | 106 | 9.00 | 8.28 | 0.72 | |
| 25 | LCP | EP | 13 32 35.38 | | | | 18 | 1.8 | 56.0 | 155 | 103 | 9.67 | 9.70 | -0.03 | |
| 25 | GMR | EPD | 13 32 35.95 | | | | 16 | 1.7 | 58.9 | 98 | 103 | 10.24 | 10.16 | 0.08 | |
| 25 | SGV | EPD | 13 32 36.82 | | | | 18 | 1.9 | 64.5 | 235 | 102 | 11.11 | 11.05 | 0.06 | |
| 25 | HCY | EP 4 | 13 32 40.80 | | | | 25 | 2.2 | 83.4 | 150 | 99 | 15.09 | 14.08 | 1.00 | |
| 25 | GVN | EPD | 13 32 40.50 | | | | 21 | 2.1 | 87.6 | 207 | 98 | 14.79 | 14.75 | 0.04 | |
| AUG H = 15 12 22.99 UTC | | | | RMS = 0.08 | NO = 13 | | | | | | | | | | FREE DEPTH SOLUTION |
| 25 LAT = 37.309 N | | | | ERX = 0.2 | ERH = 0.3 | | | AVFM = | 1.7 | Q = B | | | | | |
| LONG = 116.439 W | | | | ERY = 0.2 | GAP = 93 | | | AVXM = | | QS = A | | | | | SILENT CANYON - NORTH |
| DEPTH = 10.29 KM | | | | ERZ = 1.4 | NM = | | | | | QD = B | | | | | |
| 25 | BPT | EPU | 15 12 25.50 | | | | 22 | 1.8 | 8.9 | 251 | 137 | 3.41 | 2.42 | 0.68 | |
| 25 | EPN | IPU | 15 12 25.25 | | | | 29 | 2.1 | 14.7 | 136 | 122 | 3.16 | 3.14 | 0.02 | |
| 25 | BLT | EPU | 15 12 27.80 | | | | 18 | 1.8 | 31.7 | 58 | 106 | 5.71 | 5.71 | 0.01 | |
| 25 | BGB | EPU | 15 12 28.15 | | | | 20 | 1.9 | 35.5 | 148 | 106 | 6.06 | 6.29 | -0.18 | |
| 25 | GLR | EPD | 15 12 28.80 | | | | 14 | 1.6 | 39.3 | 108 | 103 | 6.71 | 6.89 | -0.03 | |
| 25 | NPN | EPD | 15 12 29.48 | | | | 17 | 1.7 | 42.2 | 233 | 102 | 7.39 | 7.35 | 0.04 | VERY E |
| 25 | CTS | IPU | 15 12 29.65 | | | | 7 | 1.8 | 46.6 | 325 | 101 | 7.76 | 7.75 | 0.02 | |
| | | ESD | 15 12 35.59 | | | | | | | | | 13.58 | 13.56 | -0.05 | |
| 25 | LCP | EP 3 | 15 12 31.95 | | | | 17 | 1.8 | 56.8 | 154 | 99 | 9.86 | 9.56 | 0.30 | |
| 25 | GMR | EPD | 15 12 32.22 | | | | 14 | 1.6 | 59.2 | 87 | 99 | 10.13 | 10.09 | 0.05 | |
| 25 | BRO | EPU | 15 12 32.74 | | | | 29 | 2.3 | 62.9 | 195 | 98 | 10.65 | 10.68 | -0.02 | |
| 25 | SGV | EPD | 15 12 33.03 | | | | | | 64.1 | 235 | 98 | 10.94 | 10.87 | 0.07 | |
| | | ESD | 15 12 41.10 | | | | | | | | | 19.01 | 19.03 | -0.02 | |
| 25 | APK | EPU4 | 15 12 41.12 | | | | 16 | 2.0 | 134.2 | 145 | 53 | 19.03 | 21.34 | -2.31 | |
| AUG H = 1 0 19.17 UTC | | | | RMS = 0.12 | NO = 10 | | | | | | | | | | FREE DEPTH SOLUTION |
| 26 LAT = 37.307 N | | | | ERX = 0.4 | ERH = 0.6 | | | AVFM = | 1.7 | Q = B | | | | | |
| LONG = 116.435 W | | | | ERY = 0.4 | GAP = 92 | | | AVXM = | | QS = A | | | | | SILENT CANYON - NORTH |
| DEPTH = 13.58 KM | | | | ERZ = 1.8 | NM = | | | | | QD = B | | | | | |
| 26 | BPT | EPU | 1 0 13.65 | | | | | | 9.1 | 253 | 145 | 3.48 | 2.85 | 0.23 | |
| 26 | EPN | IPU | 1 0 13.52 | | | | 29 | 2.1 | 14.3 | 136 | 132 | 3.35 | 3.42 | -0.07 | |
| 26 | BLT | EPD | 1 0 16.06 | | | | 8 | 1.8 | 31.7 | 57 | 111 | 5.89 | 5.86 | 0.02 | |
| 26 | BGB | EPU | 1 0 16.65 | | | | | | 35.1 | 148 | 109 | 6.49 | 6.39 | 0.14 | |
| 26 | GLR | EPU | 1 0 16.84 | | | | | | 38.9 | 108 | 108 | 6.67 | 6.98 | -0.16 | |
| 26 | NPN | EPD | 1 0 17.68 | | | | | | 42.2 | 234 | 106 | 7.51 | 7.50 | 0.01 | |
| 26 | CTS | IPU | 1 0 18.17 | | | | 7 | 1.8 | 45.8 | 325 | 105 | 8.00 | 7.93 | 0.07 | |
| | | ESD | 1 0 23.98 | | | | | | | | | 13.73 | 13.87 | -0.14 | |
| 26 | SSP | EP 4 | 1 0 20.80 | | | | 16 | 1.7 | 46.6 | 156 | 105 | 10.63 | 8.17 | 2.45 | |
| 26 | LCP | EP 4 | 1 0 21.99 | | | | 16 | 1.7 | 55.6 | 155 | 102 | 11.73 | 9.60 | 2.12 | |
| 26 | SGV | EPD | 1 0 21.26 | | | | 19 | 1.9 | 64.2 | 236 | 101 | 11.09 | 10.97 | 0.11 | |
| | | ESU | 1 0 29.12 | | | | | | | | | 18.95 | 19.20 | -0.26 | |
| 26 | HCY | EP 4 | 1 0 25.21 | | | | 24 | 2.2 | 83.1 | 150 | 98 | 15.04 | 14.00 | 1.04 | |
| AUG H = 1 28 56.47 UTC | | | | RMS = 0.11 | NO = 12 | | | | | | | | | | FREE DEPTH SOLUTION |
| 26 LAT = 37.309 N | | | | ERX = 0.4 | ERH = 0.5 | | | AVFM = | 1.9 | Q = B | | | | | |
| LONG = 116.432 W | | | | ERY = 0.3 | GAP = 93 | | | AVXM = | | QS = A | | | | | SILENT CANYON - NORTH |
| DEPTH = 15.23 KM | | | | ERZ = 1.5 | NM = | | | | | QD = B | | | | | |
| 26 | BPT | EPU | 1 29 0.15 | | | | 26 | 2.0 | 9.8 | 252 | 147 | 3.68 | 3.10 | 0.17 | VERY E |
| 26 | EPN | IPU | 1 29 0.01 | | | | 33 | 2.2 | 14.3 | 138 | 135 | 3.54 | 3.60 | -0.07 | |
| 26 | BLT | EPD | 1 29 2.45 | | | | 12 | 1.9 | 31.3 | 57 | 114 | 5.98 | 5.91 | 0.07 | |
| 26 | BGB | EPU | 1 29 2.80 | | | | | | 35.2 | 149 | 112 | 6.33 | 6.49 | -0.12 | |
| 26 | GLR | EPU | 1 29 3.28 | | | | | | 38.7 | 108 | 110 | 6.61 | 7.03 | -0.08 | |
| 26 | NPN | IPD | 1 29 4.11 | | | | 23 | 2.0 | 42.6 | 233 | 108 | 7.64 | 7.63 | 0.00 | |
| 26 | CTS | IPU | 1 29 4.53 | | | | 12 | 1.6 | 46.9 | 325 | 107 | 8.04 | 7.99 | 0.06 | |
| | | ESD | 1 29 10.30 | | | | | | | | | 13.81 | 13.99 | -0.16 | |
| 26 | SSP | EPU | 1 29 4.47 | | | | 22 | 2.0 | 46.7 | 156 | 107 | 8.90 | 8.27 | -0.27 | |
| 26 | LCP | EPD | 1 29 6.25 | | | | 21 | 2.0 | 55.7 | 155 | 104 | 9.78 | 9.68 | 0.09 | |
| 26 | BRU | EPD | 1 29 7.32 | | | | | | 63.1 | 196 | 102 | 10.65 | 10.86 | 0.00 | |
| 26 | SGV | EPD | 1 29 7.67 | | | | 19 | 1.9 | 64.4 | 236 | 102 | 11.29 | 11.09 | 0.11 | |

90814 0244

LOCAL-EVENT DATA REPORT

| AUG 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | LOP | EPU | 17 12 31.30 | | | | 28 | 1.8 | 15.4 | 292 | 92 | 2.77 | 2.86 | -0.09 | |
| 28 | MCY | EPU | 17 12 31.24 | | | | 25 | 2.0 | 16.0 | 165 | 92 | 2.71 | 2.96 | -0.25 | |
| 28 | LSM | EP | 17 12 32.81 | | | | 24 | 2.0 | 24.5 | 254 | 90 | 4.28 | 4.34 | -0.06 | |
| 28 | BGB | EPU | 17 12 34.39 | | | | 18 | 1.8 | 32.8 | 323 | 90 | 5.86 | 5.68 | 0.23 | |
| 28 | SDM | EP | 17 12 34.60 | | | | | | 34.2 | 248 | 90 | 6.07 | 5.91 | 0.16 | |
| 28 | JCM | EPU | 17 12 35.82 | | | | 8 | 1.1 | 41.0 | 192 | 90 | 7.29 | 7.02 | 0.27 | |
| 28 | BRO | EPUe | 17 12 45.50 | | | | 7 | 1.0 | 55.3 | 266 | 90 | 16.97 | 9.34 | 7.63 | |
| 28 | GPM | EPU | 17 12 39.29 | | | | 16 | 1.8 | 62.8 | 20 | 90 | 10.76 | 10.56 | 0.20 | |
| 28 | NPN | EPU | 17 12 41.30 | | | | 12 | 1.6 | 78.4 | 293 | 90 | 12.77 | 13.13 | -0.36 | |
| 28 | SMAG | EPU | 17 12 42.39 | | | | 8 | 1.2 | 83.0 | 113 | 90 | 13.86 | 13.85 | 0.05 | |

AUG M = 5 1 30.09 UTC RMS = 0.11 NO = 17 — FREE DEPTH SOLUTION
29 LAT = 36.978 N ERX = 0.2 ERM = 0.4 AVFM = 2.1 Q = C
LONG = 116.730 W ERY = 0.4 GAP = 89 AVXM = QS = B — CHLORIDE CLIFF
DEPTH = 6.00 KM ERZ = 2.6 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | NPN | IPU | 5 1 32.74 | | | | 32 | 2.2 | 13.8 | 326 | 109 | 2.65 | 2.72 | -0.07 | |
| 29 | BRO | EPU | 5 1 34.60 | | | | 23 | 1.9 | 25.7 | 159 | 100 | 4.51 | 4.59 | -0.07 | |
| 29 | SGV | EPU | 5 1 34.90 | | | | 28 | 2.1 | 26.9 | 271 | 100 | 4.81 | 4.78 | 0.03 | |
| 29 | EPN | IPD | 5 1 37.82 | | | | 29 | 2.2 | 44.6 | 54 | 96 | 7.73 | 7.65 | 0.09 | |
| 29 | BGB | EPD | 5 1 37.85 | | | | 32 | 2.3 | 45.2 | 82 | 96 | 7.76 | 7.74 | 0.07 | |
| 29 | SSP | IPD | 5 1 38.07 | | | | 34 | 2.4 | 45.9 | 97 | 96 | 7.98 | 7.86 | 0.13 | |
| 29 | LSM | IPD | 5 1 38.34 | | | | 30 | 2.4 | 48.7 | 123 | 95 | 8.25 | 8.31 | -0.05 | |
| 29 | SDM | IPD | 5 1 38.69 | | | | 28 | 1.9 | 50.9 | 137 | 95 | 8.60 | 8.65 | -0.05 | |
| 29 | LOP | EPU | 5 1 39.85 | | | | 27 | 2.2 | 52.0 | 105 | 95 | 8.96 | 8.84 | 0.13 | |
| 29 | GVM | EPU | 5 1 39.33 | | | | 25 | 2.1 | 58.6 | 273 | 95 | 9.25 | 9.25 | 0.00 | |
| 29 | GPM | EPU | 5 1 39.87 | | | | 16 | 1.7 | 59.1 | 307 | 94 | 9.78 | 9.99 | -0.20 | |
| 29 | MCA | EPU | 5 1 40.58 | | | | 18 | 1.9 | 61.3 | 233 | 94 | 10.41 | 10.38 | 0.07 | |
| 29 | GLR | EPDe | 5 1 40.69 | | | | 19 | 1.9 | 67.3 | 69 | 94 | 10.60 | 11.42 | -0.67 | |
| 29 | MCY | IPU | 5 1 42.91 | | | | 31 | 2.4 | 77.0 | 117 | 93 | 12.82 | 12.90 | -0.07 | |
| 29 | JCM | EPD | 5 1 43.56 | | | | 13 | 1.6 | 81.9 | 137 | 93 | 13.47 | 13.69 | -0.22 | |
| 29 | LCM | EP | 5 1 44.75 | | | | 25 | 2.2 | 86.4 | 289 | 93 | 14.66 | 14.41 | 0.25 | |
| 29 | GPR | EPU | 5 1 45.61 | | | | 24 | 2.2 | 93.9 | 65 | 93 | 15.52 | 15.63 | -0.11 | |
| 29 | MZP | EPD | 5 1 46.25 | | | | 22 | 2.2 | 98.9 | 324 | 93 | 16.16 | 16.05 | -0.10 | |

AUG M = 5 54 32.24 UTC RMS = 0.06 NO = 5 — FREE DEPTH SOLUTION
29 LAT = 36.835 N ERX = 1.3 ERM = 1.5 AVFM = 1.2 Q = C
LONG = 115.965 W ERY = 0.6 GAP = 218 AVXM = QS = B — MERCURY
DEPTH = 6.82 KM ERZ = 4.2 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | CPX | EPD | 5 54 34.96 | | | | 10 | 1.2 | 13.3 | 321 | 113 | 2.72 | 2.69 | 0.03 | |
| 29 | LCP | EPD | 5 54 35.59 | | | | 7 | 0.9 | 18.2 | 277 | 107 | 3.35 | 3.44 | -0.09 | |
| 29 | MCY | IPD | 5 54 35.85 | | | | 11 | 1.3 | 19.3 | 179 | 106 | 3.61 | 3.60 | 0.01 | |
| | | ESU | 5 54 38.55 | | | | | | | | | 6.31 | 6.30 | 0.01 | |
| 29 | LSM | EP | 5 54 37.53 | | | | 11 | 1.3 | 29.4 | 249 | 100 | 5.29 | 5.21 | 0.08 | |

AUG M = 20 48 3.44 UTC RMS = 0.19 NO = 10 — FREE DEPTH SOLUTION
29 LAT = 36.846 N ERX = 2.3 ERM = 3.0 AVFM = 2.8 Q = D
LONG = 117.797 W ERY = 1.9 GAP = 262 AVXM = QS = C — DARWIN
DEPTH = 0.79 KM ERZ = 8.3 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | PGE | IPU | 20 48 14.28 | | | | 49 | 2.7 | 64.2 | 64 | 38 | 10.84 | 10.98 | -0.14 | |
| 29 | MCA | EPUe | 20 48 14.30 | | | | 49 | 2.8 | 72.4 | 32 | 38 | 10.46 | 12.31 | -1.85 | |
| 29 | QSM | EPU | 20 48 16.45 | | | | 46 | 2.7 | 77.0 | 101 | 38 | 13.01 | 13.05 | -0.04 | |
| 29 | TPO | EPD | 20 48 17.30 | | | | 44 | 2.7 | 83.3 | 19 | 38 | 13.96 | 14.09 | -0.23 | |
| 29 | FPT | EPD | 20 48 20.50 | | | | 43 | 2.8 | 102.9 | 54 | 38 | 17.06 | 17.27 | -0.12 | |
| 29 | GVN | IPD | 20 48 21.35 | | | | 50 | 2.9 | 105.8 | 18 | 38 | 17.91 | 17.75 | 0.16 | |
| 29 | SGV | EPU | 20 48 23.04 | | | | 52 | 3.0 | 115.5 | 32 | 38 | 19.60 | 19.32 | 0.28 | |
| 29 | BRO | EPD | 20 48 23.80 | | | | 42 | 2.8 | 122.1 | 53 | 38 | 20.36 | 20.40 | -0.04 | |
| 29 | LCM | EPU | 20 48 24.43 | | | | 45 | 2.9 | 126.7 | 2 | 38 | 20.99 | 21.13 | -0.15 | |
| 29 | NPN | EPU | 20 48 26.25 | | | | 44 | 2.9 | 135.3 | 36 | 30 | 22.81 | 22.53 | 0.28 | |
| 29 | CDMI | EPD | 20 48 28.36 | | | | 46 | 3.0 | 150.7 | 56 | 30 | 24.92 | 24.54 | 0.38 | |
| 29 | BGB | EPDe | 20 48 31.12 | | | | 48 | 3.1 | 168.8 | 52 | 30 | 27.68 | 26.08 | 0.65 | |

AUG M = 19 18 6.73 UTC RMS = 0.08 NO = 6 — FREE DEPTH SOLUTION
30 LAT = 37.123 N ERX = 0.7 ERM = 1.0 AVFM = 2.3 Q = C
LONG = 117.417 W ERY = 0.8 GAP = 148 AVXM = QS = B — MT. JACKSON
DEPTH = 8.00 KM ERZ = 4.0 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | GVN | IPU | 19 18 9.95 | | | | 35 | 2.3 | 15.0 | 154 | 117 | 3.12 | 3.08 | 0.04 | |
| 30 | LCM | EPU | 19 18 11.10 | | | | 32 | 2.2 | 23.9 | 301 | 108 | 4.37 | 4.42 | -0.05 | |
| 30 | GPM | EPD | 19 18 11.10 | | | | 34 | 2.3 | 24.1 | 35 | 107 | 4.37 | 4.46 | -0.09 | |
| 30 | MGM | EPU | 19 18 13.16 | | | | 35 | 2.3 | 34.0 | 309 | 102 | 6.43 | 6.33 | 0.10 | |
| 30 | SGV | IPU | 19 18 13.42 | | | | 38 | 2.4 | 37.6 | 115 | 101 | 6.69 | 6.59 | 0.10 | |



90814 0245

LOCAL-EVENT DATA REPORT

| SEP 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | RMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | CDHS | EPD | 15 0 3.30 | | | | | | 18.3 | 230 | 38 | 3.38 | 3.65 | -0.27 | |
| 11 | LSM | EPU | 15 0 4.87 | | | | 87 | 3.1 | 27.1 | 281 | 38 | 4.99 | 5.09 | -0.10 | |
| 11 | GLR | EPU | 15 0 5.03 | | | | 73 | 3.0 | 28.9 | 26 | 38 | 5.11 | 5.36 | -0.10 | |
| 11 | EPR | EPU | 15 0 5.65 | | | | 92 | 3.2 | 31.0 | 332 | 38 | 5.73 | 5.72 | 0.01 | |
| 11 | SDH | EPU | 15 0 6.74 | | | | 47 | 2.6 | 39.0 | 204 | 38 | 6.78 | 7.02 | -0.24 | |
| | | ESU | 15 0 12.08 | | | | | | | | | ****** | ****** | -0.21 | |
| 11 | SPRG | EPD4 | 15 0 8.35 | | | | 52 | 2.7 | 43.6 | 134 | 38 | 8.43 | 7.78 | 0.65 | |
| 11 | BMT | EPU4 | 15 0 9.83 | | | | 45 | 2.6 | 48.3 | 317 | 38 | 9.91 | 8.53 | 0.98 | |
| 11 | GMR | EPU | 15 0 9.34 | | | | 40 | 2.5 | 53.5 | 40 | 38 | 9.42 | 9.37 | 0.04 | |
| 11 | BLT | EPU2 | 15 0 9.98 | | | | 41 | 2.5 | 54.9 | 2 | 38 | 9.98 | 9.61 | 0.37 | |
| | | ESU | 15 0 16.87 | | | | | | | | | ****** | ****** | 0.13 | |
| 11 | JCN | EPU | 15 0 10.46 | | | | 41 | 2.6 | 58.7 | 175 | 38 | 10.54 | 10.23 | 0.31 | |
| 11 | NPN | EPU | 15 0 10.65 | | | | 40 | 2.5 | 59.8 | 282 | 38 | 10.73 | 10.41 | 0.32 | |
| 11 | SGV | EPU | 15 0 13.37 | | | | | | 77.5 | 271 | 38 | 13.65 | 13.29 | 0.16 | |
| | | ESU4 | 15 0 20.62 | | | | | | | | | ****** | ****** | -2.56 | |
| 11 | CTB | EPU | 15 0 15.42 | | | | 27 | 2.3 | 89.9 | 326 | 38 | 15.50 | 15.30 | 0.20 | |
| 11 | OCS | EPU4 | 15 0 16.80 | | | | 30 | 2.4 | 91.5 | 14 | 38 | 16.88 | 15.56 | 1.32 | |
| | | ESU | 15 0 26.95 | | | | | | | | | ****** | ****** | -0.28 | |
| 11 | GVN | EPU | 15 0 18.03 | | | | | | 105.2 | 272 | 38 | 18.16 | 17.79 | 0.37 | |
| | | ESU | 15 0 31.30 | | | | | | | | | ****** | ****** | 0.25 | |
| 11 | PRN | EPU4 | 15 0 19.88 | | | | 45 | 2.8 | 110.1 | 64 | 38 | 19.68 | 18.59 | 1.29 | |
| 11 | NTI | EPU4 | 15 0 17.60 | | | | 36 | 2.6 | 111.4 | 45 | 38 | 17.68 | 19.80 | -1.52 | |
| 11 | TPO | EPD4 | 15 0 19.68 | | | | 41 | 2.7 | 112.5 | 261 | 38 | 19.76 | 18.98 | 0.78 | |

SEP H = 20 58 3.06 UTC RMS = 0.38 NO = 7 — FREE DEPTH SOLUTION
11 LAT = 36.549 N ERX = 2.4 ERM = 2.7 AVFM = 1.0 Q = C
LONG = 116.138 W ERY = 1.3 GAP = 143 AVXM = QS = C — LATHROP WELLS
DEPTH = 9.63 KM ERZ = 9.7 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | JCN | IPD | 20 58 6.45 | | | 18 | 1.7 | 16.8 | 169 | 117 | 3.39 | 3.40 | -0.01 | |
| 11 | SDH | IPU4 | 20 58 7.94 | | | 17 | 1.7 | 19.9 | 289 | 114 | 4.68 | 3.71 | 1.17 | |
| 11 | LSM | EPU | 20 58 7.38 | | | 29 | 2.1 | 20.5 | 324 | 112 | 4.32 | 3.94 | 0.38 | |
| 11 | LCP | IPD | 20 58 7.71 | | | 25 | 2.0 | 24.5 | 355 | 106 | 4.65 | 5.33 | -0.68 | |
| 11 | SPRG | IPU | 20 58 8.84 | | | 13 | 1.5 | 31.6 | 68 | 105 | 5.78 | 5.66 | 0.12 | |
| 11 | CDHI | EPD | 20 58 9.06 | | | 17 | 1.7 | 34.1 | 332 | 104 | 6.00 | 6.05 | -0.05 | |
| 11 | SSP | EPU3 | 20 58 8.92 | | | 20 | 1.9 | 38.0 | 349 | 102 | 5.86 | 6.66 | -0.80 | |
| 11 | HCP | EPD | 20 58 11.89 | | | 23 | 2.0 | 51.2 | 181 | 99 | 8.79 | 8.77 | 0.02 | |

SEP H = 22 19 6.33 UTC RMS = 0.11 NO = 10 — FREE DEPTH SOLUTION
11 LAT = 36.631 N ERX = 0.5 ERM = 0.6 AVFM = 2.1 Q = B
LONG = 116.340 W ERY = 0.4 GAP = 103 AVXM = QS = A — LATHROP WELLS
DEPTH = 5.99 KM ERZ = 1.0 NM = QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | SDH | IPD | 22 19 7.44 | | | 27 | 2.0 | 1.6 | 5 | 163 | 1.11 | 1.18 | -0.08 | |
| 11 | LSM | IPD | 22 19 9.06 | | | 52 | 2.6 | 13.4 | 27 | 109 | 2.73 | 2.66 | 0.07 | |
| 11 | CDHI | IPU | 22 19 10.95 | | | 25 | 2.0 | 25.5 | 4 | 100 | 4.62 | 4.56 | 0.06 | |
| 11 | CDHS | EPD | 22 19 11.00 | | | 22 | 1.9 | 25.5 | 4 | 100 | 4.67 | 4.56 | 0.11 | |
| 11 | APR | EPD | 22 19 11.38 | | | 27 | 2.1 | 28.6 | 205 | 99 | 5.05 | 5.05 | -0.00 | |
| 11 | LCP | EPD | 22 19 11.13 | | | 39 | 2.4 | 29.2 | 32 | 99 | 4.80 | 5.15 | -0.35 | |
| 11 | BPD | EPU | 22 19 11.50 | | | 22 | 1.9 | 29.4 | 308 | 99 | 5.17 | 5.18 | -0.02 | |
| 11 | JCN | IPU | 22 19 11.62 | | | 26 | 2.1 | 30.0 | 135 | 99 | 5.29 | 5.28 | 0.00 | |
| 11 | SSP | EPD4 | 22 19 11.64 | | | 39 | 2.4 | 34.4 | 18 | 97 | 5.31 | 5.99 | -0.68 | |
| 11 | FMT | EPU | 22 19 12.00 | | | 25 | 2.1 | 39.3 | 271 | 96 | 6.67 | 6.78 | -0.01 | |
| 11 | BGB | EPD3 | 22 19 14.45 | | | 20 | 1.9 | 46.2 | 13 | 95 | 8.12 | 7.90 | 0.26 | |

SEP H = 2 21 33.64 UTC RMS = 0.09 NO = 15 — FREE DEPTH SOLUTION
12 LAT = 36.741 N ERX = 0.2 ERM = 0.3 AVFM = 3.0 Q = C
LONG = 115.433 W ERY = 0.1 GAP = 170 AVXM = QS = C — HAYFORD PEAK
DEPTH = 0.30 KM ERZ = 5.7 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | APK | EPU | 2 21 42.15 | | | 40 | 2.5 | 48.5 | 195 | 38 | 8.51 | 8.52 | -0.02 | |
| 12 | EPR | IPD | 2 21 42.81 | | | 78 | 3.1 | 52.3 | 25 | 38 | 9.17 | 9.14 | 0.03 | |
| 12 | LCP | EPD | 2 21 45.15 | | | 85 | 3.2 | 66.7 | 281 | 38 | 11.51 | 11.49 | 0.02 | |
| 12 | JCN | EPU | 2 21 45.35 | | | 56 | 2.9 | 69.6 | 291 | 38 | 11.71 | 11.80 | -0.09 | |
| 12 | GMR | EPD | 2 21 45.90 | | | 69 | 3.1 | 72.3 | 335 | 38 | 12.24 | 12.40 | -0.16 | |
| 12 | GLR | EPU | 2 21 45.95 | | | 57 | 2.9 | 72.7 | 314 | 38 | 12.31 | 12.47 | -0.01 | |
| 12 | SSP | IPU4 | 2 21 47.00 | | | 87 | 3.3 | 73.0 | 246 | 38 | 13.36 | 12.51 | 0.85 | |
| 12 | LSM | EPU | 2 21 46.58 | | | 90 | 3.3 | 74.9 | 270 | 38 | 12.46 | 12.43 | 0.03 | |
| 12 | BGB | EPD | 2 21 46.66 | | | 58 | 2.9 | 78.1 | 295 | 38 | 13.22 | 13.36 | -0.07 | |
| 12 | CDHI | EPU | 2 21 47.38 | | | 45 | 2.7 | 80.0 | 240 | 38 | 13.66 | 13.65 | 0.01 | |
| 12 | CDHI | EPU | 2 21 47.37 | | | | | 80.0 | 240 | 38 | 13.68 | 13.65 | 0.03 | |
| 12 | CDHS | EPU | 2 21 47.38 | | | | | 80.0 | 240 | 38 | 13.66 | 13.65 | 0.01 | |
| 12 | PRN | EPD | 2 21 47.50 | | | | | 81.4 | 25 | 38 | 13.88 | 13.87 | -0.02 | |
| 12 | SDH | EPD | 2 21 47.75 | | | 56 | 2.9 | 81.6 | 261 | 38 | 14.11 | 13.90 | 0.20 | |
| 12 | NPN | EPD4 | 2 21 53.73 | | | 64 | 3.1 | 110.3 | 24 | 38 | 20.09 | 18.58 | 1.51 | |
| 12 | DLN | EPD4 | 2 21 56.10 | | | 36 | 2.6 | 110.1 | 33 | 38 | 20.46 | 19.19 | 1.27 | |

| SEP 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | IOMS (SEC) | TCAL (SEC) | MFS (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SEP H = 14 58 18.67 UTC RMS = 0.21 NO = 11 — FREE DEPTH SOLUTION
13 LAT = 37.162 N ERX = 0.7 ERH = 1.0 AVFM = 2.6 Q = C
LONG = 115.400 W ERY = 0.8 GAP = 128 AVXM = GS = B — ALAMO
DEPTH = 0.07 KM ERZ = 1.9 NM = OD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | EPR | IPU | 14 58 22.95 | | | 58 | 2.6 | 22.5 | 48 | 34 | 4.28 | 4.35 | -0.07 | |
| 13 | GMN | EPU4 | 14 58 28.41 | | | 29 | 2.2 | 35.1 | 303 | 38 | 4.74 | 4.39 | 3.35 | |
| 13 | PRN | IPU | 14 58 26.65 | | | 78 | 3.0 | 44.0 | 52 | 38 | 7.98 | 7.85 | 0.13 | |
| 13 | TPU | EPD | 14 58 27.50 | | | 49 | 2.7 | 52.6 | 339 | 38 | 8.83 | 9.24 | -0.41 | |
| 13 | NPN | IPU | 14 58 30.08 | | | 49 | 2.8 | 70.4 | 39 | 38 | 12.21 | 12.13 | 0.08 | |
| 13 | EPN | EPD | 14 58 32.16 | | | 38 | 2.6 | 78.7 | 274 | 38 | 13.49 | 13.48 | 0.01 | |
| 13 | DLM | EPU4 | 14 58 30.40 | | | 36 | 2.5 | 79.3 | 52 | 34 | 12.13 | 13.58 | -1.45 | |
| 13 | GCS | EPU | 14 58 32.00 | | | 29 | 2.3 | 79.4 | 326 | 38 | 13.33 | 13.59 | -0.27 | |
| | | ESU | 14 58 42.78 | | | | | | | | 24.03 | 23.79 | 0.24 | |
| 13 | CDMS | EPD4 | 14 58 34.33 | | | 24 | 2.2 | 85.8 | 287 | 38 | 15.66 | 14.51 | 1.15 | |
| | | ESU | 14 58 43.85 | | | | | | | | 25.38 | 25.38 | -0.21 | |
| 13 | SRG | EPD | 14 58 33.73 | | | 55 | 2.9 | 86.5 | 22 | 38 | 15.06 | 14.75 | 0.31 | |
| 13 | SDM | IPD | 14 58 35.55 | | | 37 | 2.6 | 98.8 | 234 | 34 | 16.48 | 16.70 | 0.18 | |
| 13 | JCN | EPU2 | 14 58 36.22 | | | 33 | 2.5 | 99.6 | 216 | 38 | 17.55 | 16.88 | 0.66 | |
| 13 | CTS | EPD4 | 14 58 40.90 | | | 29 | 2.5 | 125.6 | 295 | 38 | 22.23 | 21.11 | 1.12 | |

SEP H = 14 19 17.87 UTC RMS = 0.09 NO = 7 — FREE DEPTH SOLUTION
14 LAT = 36.829 N ERX = 1.1 ERH = 1.1 AVFM = 1.9 Q = C
LONG = 115.954 W ERY = 0.3 GAP = 133 AVXM = OS = C — MERCURY
DEPTH = 9.42 KM ERZ = 6.7 NM = OD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | LCP | EPU | 14 19 21.60 | | | 31 | 2.2 | 19.4 | 280 | 113 | 3.73 | 3.76 | -0.03 | |
| 14 | LSM | EPU4 | 14 19 23.72 | | | 35 | 2.3 | 30.0 | 251 | 105 | 5.85 | 5.39 | 0.45 | |
| 14 | CDM1 | EPU | 14 19 23.70 | | | | | 32.7 | 277 | 108 | 5.83 | 5.82 | 0.00 | |
| | | ESU2 | 14 19 28.00 | | | | | | | | 10.13 | 10.19 | -0.07 | |
| 14 | BGB | EPU | 14 19 24.09 | | | 12 | 1.4 | 34.0 | 314 | 103 | 6.22 | 6.02 | 0.24 | |
| | | ESU | 14 19 28.30 | | | | | | | | 10.43 | 10.45 | -0.02 | |
| 14 | JCN | EPU4 | 14 19 26.75 | | | 15 | 1.6 | 44.8 | 197 | 100 | 8.88 | 7.75 | 1.13 | |
| 14 | GPR | EPU | 14 19 27.78 | | | 15 | 1.7 | 50.7 | 16 | 98 | 9.91 | 9.98 | -0.08 | |
| 14 | APK | IPD | 14 19 29.01 | | | 21 | 2.0 | 65.6 | 149 | 97 | 11.14 | 11.09 | 0.04 | |

SEP H = 4 48 40.51 UTC RMS = 0.60 NO = 13 — FREE DEPTH SOLUTION
17 LAT = 38.046 N ERX = 2.7 ERH = 6.3 AVFM = 2.4 Q = D
LONG = 116.222 W ERY = 5.7 GAP = 236 AVXM = OS = D — WARM SPRINGS
DEPTH = 0.34 KM ERZ = 5.8 NM = OD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | KPNA | IPD | 4 48 46.89 | | | 33 | 2.3 | 35.7 | 203 | 38 | 6.38 | 6.43 | -0.05 | |
| 17 | CCS | IPU | 4 48 47.51 | | | 22 | 2.0 | 40.9 | 139 | 38 | 7.00 | 7.28 | -0.28 | |
| 17 | CTS | IPD | 4 48 50.62 | | | 28 | 2.1 | 63.2 | 225 | 38 | 10.11 | 10.91 | -0.80 | |
| 17 | BLT | EPU | 4 48 51.20 | | | 27 | 2.2 | 65.3 | 173 | 38 | 10.69 | 11.25 | -0.56 | |
| 17 | TPU | EPD | 4 48 52.20 | | | 38 | 2.3 | 70.3 | 134 | 38 | 11.69 | 12.06 | -0.37 | |
| 17 | BMT | EPU | 4 48 56.21 | | | 44 | 2.7 | 89.0 | 198 | 38 | 15.70 | 15.50 | 0.20 | |
| | | ESU | 4 49 8.13 | | | | | | | | 27.62 | 27.12 | 0.50 | |
| 17 | GLR | IPD | 4 48 57.51 | | | 27 | 2.3 | 95.7 | 169 | 38 | 17.00 | 16.19 | 0.96 | |
| 17 | SPG | EPU | 4 48 58.78 | | | 40 | 2.7 | 103.0 | 100 | 38 | 18.27 | 17.37 | 0.90 | |
| 17 | BGB | EPU | 4 48 59.89 | | | 32 | 2.5 | 111.9 | 100 | 38 | 19.38 | 18.82 | 0.61 | |
| | | ESD | 4 49 12.15 | | | | | | | | 31.64 | 32.85 | -1.21 | |
| 17 | NPN | EPU | 4 49 0.40 | | | 37 | 2.7 | 119.3 | 206 | 38 | 19.89 | 20.04 | -0.15 | |
| | | ESU | 4 49 16.71 | | | | | | | | 36.20 | 35.07 | 1.13 | |

SEP H = 11 13 46.73 UTC RMS = 0.09 NO = 8 — FREE DEPTH SOLUTION
18 LAT = 36.977 N ERX = 1.9 ERH = 2.2 AVFM = 1.8 Q = D
LONG = 116.579 W ERY = 1.1 GAP = 233 AVXM = OS = C — CHLORIDE CLIFF
DEPTH = 6.68 KM ERZ = 10.1 NM = OD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | CCM1 | IPD | 11 13 51.35 | | | 15 | 1.6 | 26.7 | 119 | 101 | 4.62 | 4.77 | -0.15 | |
| 18 | CDMS | EPD | 11 13 51.45 | | | | | 26.7 | 119 | 101 | 4.72 | 4.77 | -0.05 | |
| | | ESD4 | 11 13 53.05 | | | | | | | | 6.32 | 8.35 | -2.03 | |
| 18 | OGB | EPU | 11 13 52.55 | | | 23 | 2.0 | 32.0 | 78 | 99 | 5.82 | 5.62 | 0.25 | |
| 18 | BMT | IPU | 11 13 53.10 | | | 8 | 1.1 | 34.2 | 7 | 99 | 6.37 | 5.98 | -0.00 | |
| | | ISU4 | 11 13 55.85 | | | | | | | | 9.12 | 11.16 | -2.04 | |
| 18 | EPN | EPD4 | 11 13 54.70 | | | 24 | 2.0 | 34.7 | 41 | 98 | 7.97 | 6.06 | 1.91 | |
| 18 | LSM | EPU | 11 13 53.50 | | | 22 | 1.9 | 38.1 | 134 | 98 | 6.77 | 6.60 | 0.17 | |
| | | ISU4 | 11 13 57.37 | | | | | | | | 10.34 | 11.55 | -1.20 | |
| 18 | LCP | IPU | 11 13 53.50 | | | 25 | 2.1 | 39.2 | 110 | 97 | 6.77 | 6.77 | 0.00 | |
| 18 | SCM | EPD4 | 11 13 57.45 | | | 20 | 1.9 | 42.6 | 150 | 97 | 10.72 | 7.34 | 3.39 | |
| 18 | CPX | EPD | 11 13 54.55 | | | 20 | 1.9 | 46.7 | 97 | 96 | 7.82 | 7.98 | -0.16 | |
| 18 | MCY | EPD | 11 13 57.60 | | | 23 | 2.1 | 65.3 | 172 | 98 | 11.07 | 11.00 | 0.08 | |

90814 0247

| SEP 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SMAG | QUA | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | BCS | EPD4 | 19 7 12.22 | 28 | | | | | 125.3 | 39 | 38 | 22.90 | 20.98 | 1.92 | |
| | | ESU4 | 19 7 29.20 | | | | | | | | | 39.04 | 36.71 | 3.17 | |

SEP H = 21 20 40.70 UTC RMS = 0.09 NO = 6 — FREE DEPTH SOLUTION
22 LAT = 37.299 N ERH = 0.7 ERM = 1.0 AVFM = 2.6 Q = C
LONG = 116.527 W ERV = 0.7 GAP = 140 AVXM = QS = B — THIRSTY CANYON
DEPTH = 8.65 KM ERZ = 1.5 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | BPT | EPU | 21 20 42.80 | 64 | 2.0 | 3.9 | 351 | 154 | 2.10 | 1.72 | -0.02 | | | |
| 22 | LPN | EPD4 | 21 20 43.00 | 77 | 3.0 | 18.4 | 102 | 112 | 2.30 | 3.57 | -1.27 | | | |
| 22 | NPN | EPD | 21 20 46.35 | 63 | 2.0 | 31.9 | 234 | 103 | 5.65 | 5.66 | -0.02 | | | |
| 22 | BGB | EPD | 21 20 46.44 | 59 | 2.0 | 35.4 | 131 | 102 | 6.24 | 6.23 | 0.06 | | | |
| 22 | CTS | EPU | 21 20 48.75 | 21 | 1.9 | 46.8 | 338 | 99 | 8.05 | 8.05 | -0.00 | | | |
| 22 | CDH1 | EPU | 21 20 48.55 | 37 | 2.4 | 47.0 | 157 | 99 | 7.65 | 8.08 | -0.23 | | | |
| 22 | SGV | EPD | 21 20 50.00 | 37 | 2.5 | 53.9 | 237 | 98 | 9.30 | 9.19 | 0.11 | | | |
| 22 | LCP | EPD4 | 21 20 51.11 | 29 | 2.2 | 54.2 | 144 | 97 | 10.41 | 9.24 | 1.17 | | | |

SEP H = 12 28 28.49 UTC RMS = 0.06 NO = 9 — FREE DEPTH SOLUTION
23 LAT = 36.947 N ERX = 11.0 ERM = 14.0 AVFM = 1.0 Q = D
LONG = 115.016 W ERY = 4.7 GAP = 230 AVXM = QS = D — MERCURY
DEPTH = 12.22 KM ERZ = 27.0 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | CPX | IPU | 12 28 33.87 | 15 | 1.6 | 21.8 | 274 | 117 | 4.58 | 4.30 | 0.28 | | | |
| 23 | SPRG | EPU | 12 28 34.00 | 23 | 1.9 | 23.6 | 179 | 115 | 5.51 | 4.58 | 0.94 | | | |
| 23 | MCY | IPD | 12 28 33.95 | 22 | 1.9 | 30.2 | 296 | 110 | 5.46 | 5.56 | -0.10 | | | |
| 23 | LOP | EPU | 12 28 34.00 | 14 | 1.5 | 31.5 | 259 | 109 | 5.51 | 5.83 | -0.31 | | | |
| 23 | BGB | EPD | 12 28 35.90 | 16 | 1.7 | 39.8 | 292 | 105 | 7.41 | 7.88 | 0.47 | | | |
| 23 | LSM | IPU | 12 28 36.06 | 20 | 1.9 | 44.8 | 245 | 104 | 7.57 | 7.84 | -0.26 | | | |
| 23 | CCMS | EPD | 12 28 36.15 | | | 45.0 | 263 | 104 | 7.66 | 7.88 | -0.21 | | | |
| 23 | CDH1 | EPU | 12 28 36.23 | 13 | 1.5 | 45.0 | 263 | 104 | 7.74 | 7.88 | -0.13 | | | |
| 23 | APK | EPU | 12 28 34.00 | 21 | 2.0 | 68.7 | 162 | 99 | 5.51 | 11.65 | -6.14 | | | |

SEP H = 6 17 23.99 UTC RMS = 0.35 NO = 8 — FREE DEPTH SOLUTION
24 LAT = 36.593 N ERX = 3.5 ERM = 5.3 AVFM = 2.1 Q = D
LONG = 115.663 W ERY = 3.9 GAP = 270 AVXM = QS = D — MERCURY
DEPTH = 9.23 KM ERZ = 6.1 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | SPRG | EPD2 | 6 17 28.10 | 22 | 1.9 | 17.2 | 310 | 115 | 4.11 | 3.43 | 0.69 | | | |
| 24 | MCY | EPU6 | 6 17 34.97 | 30 | 2.2 | 27.9 | 246 | 106 | 10.98 | 5.05 | 5.93 | | | |
| 24 | CPX | EPU | 6 17 32.50 | 17 | 1.8 | 51.3 | 317 | 99 | 8.51 | 8.79 | -0.27 | | | |
| 24 | LSM | EPU | 6 17 33.40 | 27 | 2.2 | 56.8 | 287 | 98 | 9.41 | 9.67 | -0.25 | | | |
| 24 | SDW | EPD6 | 6 17 38.03 | 35 | 2.4 | 60.7 | 275 | 97 | 6.04 | 10.30 | -4.26 | | | |
| 24 | CDH1 | EPD | 6 17 35.55 | 21 | 2.0 | 65.6 | 297 | 97 | 11.56 | 11.09 | 0.48 | | | |
| 24 | BGB | EP | 6 17 35.40 | 23 | 2.1 | 70.5 | 314 | 96 | 11.41 | 11.89 | -0.42 | | | |
| 24 | GPR | EPD | 6 17 37.79 | 22 | 2.1 | 82.7 | 353 | 95 | 13.76 | 13.86 | -0.10 | | | |
| 24 | BPT | EPU6 | 6 17 43.42 | 20 | 2.1 | 109.1 | 315 | 94 | 19.43 | 18.13 | 0.91 | | | |
| | | ESD | 6 17 56.55 | | | | | | 32.56 | 32.43 | 0.14 | | | |
| 24 | NPN | EPD6 | 6 17 43.98 | 24 | 2.3 | 116.5 | 298 | 93 | 19.99 | 19.10 | 0.89 | | | |
| 24 | HTI | EPU | 6 17 44.26 | | | 125.1 | 16 | 53 | 20.27 | 20.27 | 0.21 | | | |

SEP H = 16 5 0.85 UTC RMS = 0.27 NO = 12 — FREE DEPTH SOLUTION
25 LAT = 37.057 N ERX = 1.0 ERM = 1.3 AVFM = 3.0 Q = C
LONG = 116.060 W ERY = 0.8 GAP = 98 AVXM = QS = C — SILENT CANYON - TUCCA FLAT
DEPTH = 1.10 KM ERZ = 325.1 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | CPX | EPD | 16 5 3.34 | 26 | 2.0 | 14.3 | 179 | 38 | 2.54 | 2.80 | -0.25 | | | |
| 25 | BGB | EPD | 16 5 3.57 | | | 15.1 | 262 | 38 | 2.72 | 2.92 | -0.15 | | | |
| 25 | GLR | EPD | 16 5 3.37 | | | 16.2 | 14 | 38 | 2.52 | 3.11 | -0.60 | | | |
| 25 | BSP | EPU | 16 5 4.50 | 216 | 3.9 | 20.3 | 274 | 39 | 3.65 | 3.78 | -0.13 | | COLLAP | |
| 25 | LCP | EPU | 16 5 5.37 | 305 | 4.2 | 24.5 | 203 | 39 | 4.52 | 4.46 | 0.06 | | | |
| 25 | EPN | EPU | 16 5 6.25 | 212 | 3.9 | 29.2 | 307 | 39 | 5.40 | 5.22 | 0.18 | | | |
| 25 | CDH1 | EPU | 16 5 6.35 | 45 | 2.5 | 31.7 | 226 | 39 | 5.50 | 5.62 | -0.12 | | | |
| 25 | GPR | EPD | 16 5 6.00 | 65 | 2.9 | 40.0 | 40 | 39 | 7.15 | 6.98 | 0.17 | | | |
| 25 | BLT | EPU2 | 16 5 9.25 | 240 | 4.0 | 45.3 | 352 | 39 | 8.49 | 7.84 | 0.56 | | | |
| 25 | JCN | EPU2 | 16 5 13.00 | 22 | 2.1 | 68.6 | 183 | 39 | 12.15 | 11.64 | 0.52 | | | |
| 25 | EPR | EPD3 | 16 5 15.00 | 26 | 2.2 | 78.7 | 81 | 38 | 14.15 | 13.27 | 0.89 | | | |
| 25 | PRN | EPU | 16 5 17.30 | 60 | 3.0 | 97.7 | 67 | 38 | 16.55 | 16.37 | 0.18 | | | |
| 25 | HZP | EPU6 | 16 5 25.00 | 11 | 1.7 | 137.2 | 301 | 30 | 24.59 | 22.70 | 2.08 | | | |

SEP H = 18 59 49.48 UTC RMS = 0.07 NO = 5 — FREE DEPTH SOLUTION
26 LAT = 36.696 N ERH = 0.6 ERM = 1.3 AVFM = 1.2 Q = D
LONG = 116.445 W ERV = 1.2 GAP = 174 AVXM = QS = C — LATHROP WELLS



9 0 8 1 4 0 2 4 8

| OCT 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TORA (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | DLM | EPD | 1 48 46.65 | | | | | 58 3.3 | 200.7 | 88 | 30 | 32.27 | 32.19 | 0.08 | |
| OCT H = 6 13 40.91 UTC RMS = 0.17 NO = 13 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 02 LAT = 36.989 N ERY = 0.7 ERH = 0.8 AVFM = 2.0 Q = A | | | | | | | | | | | | | | | |
| LONG = 119.987 W ERY = 0.8 GAP = 93 AVXM = Q3 = B | | | | | | | | | | | | | | | MERCURY |
| DEPTH = 5.00 KM ERZ = 4.6 NM = QD = B | | | | | | | | | | | | | | | |
| 02 | CPX | IPU | 6 13 42.94 | | | | | 16 1.6 | 9.2 | 224 | 115 | 2.01 | 1.99 | 0.04 | |
| 02 | SSP | IPD | 6 13 44.94 | | | | | 34 2.3 | 21.8 | 251 | 100 | 4.03 | 3.95 | 0.07 | |
| 02 | LOP | EPD | 6 13 44.99 | | | | | 37 2.3 | 22.8 | 227 | 100 | 3.99 | 3.98 | 0.01 | |
| 02 | BGB | EPU | 6 13 44.85 | | | | | 21 1.9 | 22.1 | 284 | 100 | 3.98 | 4.00 | -0.02 | |
| 02 | GLR | EPU | 6 13 44.77 | | | | | 16 1.6 | 23.9 | 353 | 99 | 3.86 | 4.23 | -0.22 | |
| 02 | SPRE | EPU | 6 13 47.11 | | | | | 15 1.6 | 36.3 | 154 | 96 | 6.28 | 6.29 | -0.10 | |
| 02 | MCY | EPU | 6 13 47.17 | | | | | 41 2.5 | 36.4 | 177 | 96 | 6.26 | 6.30 | -0.04 | |
| 02 | LSM | IPD | 6 13 47.46 | | | | | 35 2.3 | 37.6 | 223 | 96 | 6.55 | 6.50 | 0.05 | |
| 02 | EPN | EPU | 6 13 47.80 | | | | | 35 2.8 | 39.0 | 318 | 96 | 6.89 | 6.73 | 0.16 | |
| 02 | GPR | EPD | 6 13 48.15 | | | | | 14 1.6 | 42.8 | 27 | 95 | 7.28 | 7.38 | -0.10 | |
| 02 | SDM | EPD | 6 13 49.12 | | | | | 21 1.9 | 49.4 | 219 | 94 | 8.21 | 8.40 | -0.19 | |
| 02 | BPT | EPU4 | 6 13 52.35 | | | | | 23 2.1 | 58.6 | 304 | 94 | 11.44 | 9.98 | 1.46 | |
| 02 | JDN | EPU | 6 13 51.50 | | | | | 28 1.9 | 61.8 | 198 | 94 | 10.59 | 10.42 | 0.17 | |
| 02 | PRN | EPD | 6 13 57.30 | | | | | 28 2.1 | 95.2 | 61 | 92 | 16.39 | 15.86 | 0.53 | |
| OCT H = 20 15 51.33 UTC RMS = 0.36 NO = 16 | | | | | | | | | | | | | | | FIXED DEPTH SOLUTION |
| 02 LAT = 36.527 N ERX = 6.2 ERH = 6.8 AVFM = 3.1 Q = D | | | | | | | | | | | | | | | DEPTH CONTROL INADEQUATE |
| LONG = 118.779 W ERY = 2.8 GAP = 283 AVXM = Q3 = D | | | | | | | | | | | | | | | MOAPA |
| DEPTH = 5.00 KM ERZ = 2.6 NM = — QD = D | | | | | | | | | | | | | | | |
| 02 | SPRE | EPD | 20 16 7.10 | | | | | 44 2.7 | 94.8 | 281 | 92 | 15.77 | 12.65 | 0.11 | |
| 02 | MCY | EPD | 20 16 9.18 | | | | | 77 3.3 | 106.9 | 278 | 92 | 17.77 | 17.75 | 0.02 | |
| 02 | JDN | EPD | 20 16 10.60 | | | | | 53 3.0 | 119.0 | 265 | 92 | 19.27 | 19.72 | -0.45 | |
| 02 | GPR | EPD | 20 16 11.65 | | | | | 40 2.8 | 125.8 | 315 | 53 | 20.32 | 20.77 | -0.46 | |
| 02 | LOP | EPD | 20 16 12.73 | | | | | 70 3.3 | 129.3 | 266 | 53 | 21.40 | 21.22 | 0.18 | |
| 02 | NCP | EPD | 20 16 11.95 | | | | | 72 3.3 | 131.0 | 250 | 53 | 20.62 | 21.45 | -0.83 | |
| 02 | GLR | EPU | 20 16 13.20 | | | | | 37 2.7 | 133.2 | 304 | 53 | 21.87 | 21.73 | 0.24 | |
| 02 | LSM | EPU | 20 16 13.23 | | | | | 85 3.5 | 135.6 | 280 | 53 | 21.90 | 22.04 | -0.14 | |
| 02 | SSP | EPU | 20 16 13.76 | | | | | 65 3.2 | 136.0 | 289 | 53 | 22.43 | 22.09 | 0.34 | |
| 02 | SDM | EPD | 20 16 14.20 | | | | | 56 3.1 | 140.1 | 275 | 53 | 22.87 | 22.62 | 0.24 | |
| 02 | CONI | EPD | 20 16 14.86 | | | | | 41 2.9 | 142.3 | 285 | 53 | 23.53 | 22.92 | 0.61 | |
| 02 | TPU | EPD | 20 16 14.02 | | | | | 37 2.8 | 142.5 | 327 | 53 | 22.69 | 22.93 | -0.25 | |
| 02 | APR | EPU4 | 20 16 16.26 | | | | | | 152.5 | 265 | 53 | 24.93 | 24.24 | 0.69 | |
| 02 | EPN | EPU | 20 16 16.55 | | | | | 78 3.5 | 157.4 | 299 | 53 | 25.22 | 24.87 | 0.35 | |
| 02 | BPT | EPU4 | 20 16 13.24 | | | | | 58 3.1 | 177.5 | 298 | 53 | 21.91 | 27.48 | -5.57 | |
| 02 | KPNA | EPU | 20 16 21.02 | | | | | | 196.7 | 314 | 53 | 29.69 | 29.97 | -0.29 | |
| 02 | GSM | EPU4 | 20 16 23.21 | | | | | | 197.9 | 252 | 53 | 31.88 | 30.13 | 1.74 | |
| 02 | SGV | EPU | 20 16 23.35 | | | | | 69 3.2 | 207.3 | 284 | 53 | 32.02 | 31.35 | 0.66 | |
| 02 | CTS | EPU | 20 16 23.10 | | | | | | 212.6 | 306 | 53 | 31.77 | 32.04 | -0.27 | |
| OCT H = 20 16 1.15 UTC RMS = 0.97 NO = 8 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 02 LAT = 37.170 N ERX = 8.3 ERH = 9.6 AVFM = 2.7 Q = D | | | | | | | | | | | | | | | |
| LONG = 116.992 W ERY = 4.9 GAP = 166 AVXM = Q3 = D | | | | | | | | | | | | | | | DELAMAR MOUNTAINS |
| DEPTH = 9.71 KM ERZ = 25.7 NM = QD = C | | | | | | | | | | | | | | | |
| 02 | EPN | EPD | 20 16 6.51 | | | | | 56 2.7 | 17.3 | 269 | 116 | 3.36 | 3.47 | -0.11 | |
| 02 | PPN | EPD | 20 16 7.10 | | | | | | 26.8 | 349 | 107 | 5.95 | 4.90 | 1.05 | |
| 02 | DLM | EPD | 20 16 8.19 | | | | | | 53.3 | 25 | 99 | 7.04 | 9.11 | -2.07 | |
| 02 | NPN | EPD | 20 16 10.25 | | | | | 51 2.7 | 53.7 | 5 | 99 | 9.10 | 9.19 | -0.09 | |
| 02 | HTI | EPD | 20 16 12.32 | | | | | 40 2.5 | 61.5 | 336 | 98 | 11.17 | 10.23 | 0.94 | |
| 02 | SMRG | IPD | 20 16 14.63 | | | | | 34 2.5 | 75.3 | 191 | 96 | 13.48 | 12.67 | 0.86 | |
| 02 | SRG | EPU | 20 16 14.20 | | | | | 64 3.0 | 79.3 | 355 | 96 | 13.05 | 13.31 | -0.26 | |
| 02 | BLT | EPD | 20 16 17.72 | | | | | | 106.4 | 298 | 94 | 16.57 | 17.70 | -1.13 | |
| OCT H = 5 25 3.67 UTC RMS = 0.26 NO = 18 | | | | | | | | | | | | | | | FREE DEPTH SOLUTION |
| 03 LAT = 37.272 N ERX = 0.8 ERH = 0.9 AVFM = 2.6 Q = B | | | | | | | | | | | | | | | |
| LONG = 116.338 W ERY = 0.5 GAP = 98 AVXM = Q3 = B | | | | | | | | | | | | | | | SILENT CANYON - NORTH |
| DEPTH = 1.11 KM ERZ = 0.8 NM = QD = B | | | | | | | | | | | | | | | |
| 03 | EPN | IPD | 5 25 4.03 | | | | | 115 3.3 | 1.5 | 125 | 126 | 0.36 | 0.49 | -0.13 | |
| 03 | BPT | EPD | 5 25 8.20 | | | | | 48 2.6 | 18.7 | 291 | 38 | 4.53 | 3.51 | 0.42 | |
| 03 | BGB | EPU | 5 25 7.65 | | | | | 47 2.6 | 22.6 | 154 | 38 | 3.99 | 4.15 | -0.12 | |
| 03 | BLT | EPU | 5 25 9.50 | | | | | 55 2.7 | 32.1 | 34 | 38 | 5.83 | 5.69 | 0.14 | |
| 03 | SSP | EPD | 5 25 9.90 | | | | | 83 3.1 | 34.8 | 142 | 38 | 6.23 | 6.10 | 0.13 | |
| 03 | LCP | EPU | 5 25 11.30 | | | | | 70 3.0 | 43.5 | 160 | 38 | 7.63 | 7.55 | 0.08 | |
| 03 | LSM | EPD | 5 25 13.25 | | | | | 60 3.0 | 53.9 | 174 | 38 | 9.58 | 9.24 | 0.35 | |
| 03 | CTS | EPD | 5 25 13.35 | | | | | 45 2.6 | 57.7 | 323 | 38 | 9.68 | 9.86 | -0.18 | |

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LOCAL-EVENT DATA REPORT

| OCT 1988 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | AMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT H = 19 40 31.20 UTC | | | | RMS = 0.09 | | NO = 14 | | | | | | | | | FREE DEPTH SOLUTION |
| 06 LAT = 37.277 N | | | | ERX = 0.2 | | ERH = 0.3 | | | AVFM = 2.1 | | Q = B | | | | |
| LONG = 117.055 W | | | | ERY = 0.2 | | GAP = 88 | | | AVXM = | | QS = A | | | | MT. JACKSON |
| DEPTH = 6.75 KM | | | | ERZ = 1.6 | | NM = | | | | | QD = C | | | | |
| 06 | GPN | IPU1 | 19 40 34.54 | | | | | | 14 | 1.5 | 18.3 | 278 | 106 | 3.34 | 3.45 | -0.12 |
| 06 | SGV | EPU | 19 40 37.04 | | | | | | 29 | 2.2 | 32.8 | 177 | 99 | 5.68 | 5.76 | 0.08 |
| 06 | MCM | IPU | 19 40 38.55 | | | | | | 12 | 1.4 | 43.2 | 295 | 97 | 7.35 | 7.42 | -0.07 |
| 06 | BPT | EPD4 | 19 40 37.56 | | | | | | 30 | 2.2 | 46.2 | 89 | 96 | 6.36 | 7.91 | -1.96 |
| 06 | CTS | IPD | 19 40 39.66 | | | | | | 13 | 1.5 | 49.7 | 36 | 96 | 8.46 | 8.48 | -0.03 |
| 06 | LCM | EPU | 19 40 40.38 | | | | | | 15 | 1.7 | 52.7 | 265 | 96 | 9.10 | 8.97 | 0.13 |
| 06 | MZP | EPU | 19 40 40.39 | | | | | | 9 | 1.2 | 55.3 | 320 | 95 | 9.19 | 9.38 | -0.08 |
| 06 | BRU | EPU | 19 40 42.63 | | | | | | 23 | 2.1 | 68.7 | 146 | 94 | 11.43 | 11.55 | -0.12 |
| 06 | FPT | EPU | 19 40 43.57 | | | | | | 18 | 1.9 | 74.8 | 161 | 94 | 12.37 | 12.55 | -0.08 |
| 06 | KRNA | EPD | 19 40 44.59 | | | | | | 23 | 2.1 | 79.5 | 49 | 94 | 13.35 | 13.38 | 0.04 |
| 06 | CDM1 | EPU2 | 19 40 46.80 | | | | | | 32 | 2.6 | 80.2 | 125 | 94 | 13.68 | 13.82 | 0.10 |
| 06 | SVP | EPD | 19 40 45.12 | | | | | | 7 | 1.1 | 82.0 | 306 | 94 | 13.92 | 13.71 | 0.06 |
| 06 | LSM | EPD1 | 19 40 46.53 | | | | | | 47 | 2.8 | 91.8 | 131 | 93 | 15.33 | 15.30 | 0.03 |
| 06 | SDM | EPD1 | 19 40 47.08 | | | | | | 48 | 2.7 | 94.7 | 138 | 93 | 15.88 | 15.79 | 0.01 |
| 06 | QCS | EPU4 | 19 40 50.86 | | | | | | 20 | 2.1 | 114.5 | 62 | 93 | 19.66 | 18.99 | 0.66 |
| 06 | QSM | EPU2 | 19 40 54.37 | | | | | | 40 | 2.8 | 146.5 | 173 | 93 | 23.17 | 23.28 | -0.11 |
| 06 | NOP | EPD4 | 19 40 56.38 | | | | | | 56 | 3.2 | 150.8 | 148 | 93 | 25.18 | 23.85 | 1.25 |
| OCT H = 21 45 54.85 UTC | | | | RMS = 0.17 | | NO = 16 | | | | | | | | | FREE DEPTH SOLUTION |
| 08 LAT = 37.308 N | | | | ERX = 0.3 | | ERH = 0.4 | | | AVFM = 3.3 | | Q = D | | | | |
| LONG = 116.796 W | | | | ERY = 0.9 | | GAP = 285 | | | AVXM = | | QS = C | | | | DELAMAR MOUNTAINS |
| DEPTH = 5.62 KM | | | | ERZ = 1.5 | | NM = | | | | | QD = D | | | | |
| 08 | PRN | IPU | 21 45 58.59 | | | | | | 131 | 3.5 | 25.6 | 298 | 99 | 4.54 | 4.57 | -0.03 |
| 08 | EPR | EPD | 21 46 0.57 | | | | | | 109 | 3.3 | 37.8 | 267 | 96 | 6.52 | 6.53 | -0.01 |
| 08 | GPR | EPU | 21 46 8.45 | | | | | | 91 | 3.4 | 86.8 | 272 | 93 | 14.40 | 14.48 | -0.08 |
| 08 | SPRG | EPD4 | 21 46 8.17 | | | | | | 53 | 2.9 | 94.0 | 280 | 92 | 14.12 | 15.65 | -1.48 |
| 08 | GLR | EPD | 21 46 12.42 | | | | | | 77 | 3.3 | 109.2 | 264 | 92 | 18.37 | 18.13 | 0.38 |
| 08 | SPRG | EPD | 21 46 12.73 | | | | | | 80 | 3.3 | 112.7 | 233 | 92 | 18.68 | 18.69 | -0.01 |
| 08 | BLT | EPU | 21 46 13.80 | | | | | | 46 | 2.9 | 120.1 | 279 | 92 | 19.75 | 19.90 | -0.15 |
| 08 | MCY | EPU | 21 46 14.47 | | | | | | 76 | 3.3 | 125.8 | 236 | 53 | 20.42 | 20.71 | -0.29 |
| 08 | SSP | EPU | 21 46 15.95 | | | | | | 74 | 3.3 | 133.3 | 252 | 53 | 21.90 | 21.68 | 0.21 |
| 08 | EPN | EPU2 | 21 46 16.50 | | | | | | 73 | 3.3 | 135.0 | 266 | 53 | 22.45 | 22.03 | 0.42 |
| 08 | CDM1 | EPU | 21 46 16.98 | | | | | | 63 | 3.2 | 144.0 | 250 | 53 | 22.93 | 23.07 | -0.14 |
| 08 | CDM5 | EPD4 | 21 46 18.12 | | | | | | 48 | 2.8 | 144.0 | 250 | 53 | 24.07 | 23.07 | 1.00 |
| 08 | KRNA | EPU | 21 46 17.68 | | | | | | 46 | 3.0 | 149.0 | 290 | 53 | 23.63 | 23.72 | -0.09 |
| 08 | JCN | EPU | 21 46 19.00 | | | | | | 47 | 3.0 | 150.8 | 231 | 53 | 23.95 | 23.95 | -0.00 |
| 08 | BPT | EPD4 | 21 46 19.78 | | | | | | 88 | 3.5 | 154.3 | 269 | 53 | 25.73 | 24.81 | 0.92 |
| 08 | BRO | EP | 21 46 21.18 | | | | | | 37 | 2.9 | 173.6 | 250 | 53 | 27.13 | 26.92 | 0.21 |
| 08 | MCP | EPD3 | 21 46 21.46 | | | | | | 57 | 3.3 | 177.9 | 223 | 53 | 27.81 | 27.48 | 0.33 |
| 08 | FPT | EPU4 | 21 46 23.75 | | | | | | 39 | 3.0 | 191.3 | 247 | 53 | 29.70 | 29.21 | 0.58 |
| 08 | SGV | IPD | 21 46 24.76 | | | | | | 75 | 3.6 | 202.1 | 260 | 53 | 30.71 | 30.62 | 0.09 |
| 08 | GPN | EPU | 21 46 26.70 | | | | | | 63 | 3.5 | 218.7 | 270 | 53 | 32.65 | 32.77 | -0.12 |
| 08 | PGE | EPU4 | 21 46 32.50 | | | | | | 47 | 3.3 | 224.6 | 283 | 53 | 38.45 | 34.06 | 4.39 |
| 08 | MCA | EPU4 | 21 46 31.87 | | | | | | 63 | 3.5 | 232.9 | 252 | 53 | 37.82 | 34.62 | 3.20 |
| 08 | MZP | EPU | 21 46 28.24 | | | | | | 57 | 3.5 | 233.3 | 281 | 53 | 34.19 | 34.66 | -0.29 |
| 08 | QSM | EPU4 | 21 46 32.86 | | | | | | 57 | 3.5 | 237.5 | 231 | 53 | 38.81 | 35.21 | 3.60 |
| 08 | SVP | EPD1 | 21 46 33.20 | | | | | | 67 | 3.7 | 269.9 | 286 | 53 | 39.15 | 39.22 | -0.02 |
| 08 | PPK | EPU2 | 21 46 33.64 | | | | | | 66 | 3.7 | 276.1 | 273 | 53 | 39.59 | 40.22 | -0.63 |
| OCT H = 2 19 22.11 UTC | | | | RMS = 0.14 | | NO = 12 | | | | | | | | | FREE DEPTH SOLUTION |
| 09 LAT = 36.771 N | | | | ERX = 0.5 | | ERH = 0.6 | | | AVFM = 2.0 | | Q = C | | | | |
| LONG = 115.935 W | | | | ERY = 0.4 | | GAP = 100 | | | AVXM = | | QS = C | | | | MERCURY |
| DEPTH = 1.68 KM | | | | ERZ = 166.8 | | NM = | | | | | QD = C | | | | |
| 09 | MCY | IPD0 | 2 19 24.42 | | | | | | 33 | 2.2 | 12.4 | 191 | 38 | 2.31 | 2.38 | -0.06 |
| 09 | SPRG | IPU | 2 19 24.61 | | | | | | 22 | 1.9 | 14.1 | 127 | 38 | 2.50 | 2.65 | -0.15 |
| 09 | LOP | EPU | 2 19 26.00 | | | | | | 34 | 2.3 | 22.7 | 294 | 38 | 3.89 | 4.05 | -0.16 |
| 09 | LSM | EPU | 2 19 27.32 | | | | | | 32 | 2.2 | 30.3 | 263 | 38 | 5.21 | 5.28 | -0.07 |
| 09 | CDM1 | EPU0 | 2 19 28.18 | | | | | | 22 | 1.9 | 35.6 | 246 | 38 | 6.07 | 6.14 | -0.07 |
| 09 | CDM5 | EPU | 2 19 28.13 | | | | | | | | 35.6 | 246 | 38 | 6.02 | 6.14 | -0.12 |
| 09 | SDM | EPU | 2 19 29.00 | | | | | | 15 | 1.6 | 38.7 | 249 | 38 | 6.89 | 6.64 | 0.25 |
| 09 | BRB | EPD4 | 2 19 29.61 | | | | | | 20 | 1.9 | 39.5 | 319 | 38 | 7.50 | 6.77 | 0.78 |
| 09 | JCN | EPU0 | 2 19 29.90 | | | | | | 17 | 1.7 | 39.8 | 292 | 39 | 6.89 | 6.82 | 0.07 |
| 09 | GLN | EPU | 2 19 30.24 | | | | | | | | 48.1 | 351 | 38 | 8.13 | 8.17 | 0.11 |
| 09 | EPN | EPU0 | 2 19 27.82 | | | | | | 32 | 2.4 | 60.1 | 325 | 38 | 5.71 | 10.13 | -4.42 |
| 09 | BRO | EPU | 2 19 32.83 | | | | | | 17 | 1.8 | 61.6 | 269 | 38 | 10.72 | 10.38 | 0.34 |
| 09 | GPW | EPU0 | 2 19 32.80 | | | | | | 16 | 1.8 | 64.1 | 13 | 38 | 10.69 | 10.78 | -0.09 |
| 09 | SHPG | EPU | 2 19 34.95 | | | | | | 21 | 2.0 | 75.8 | 113 | 38 | 12.84 | 12.63 | 0.21 |
| 09 | PRN | EPU0 | 2 19 32.15 | | | | | | 42 | 2.7 | 105.7 | 48 | 38 | 10.04 | 17.54 | -7.50 |
| 09 | MCA | EPU4 | 2 19 38.63 | | | | | | | | 121.1 | 264 | 38 | 16.52 | 20.04 | -3.52 |

LOCAL EVENT DATA REPORT

| OCT 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOWS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

OCT H = 10 57 31.83 UTC  RMS = 0.10  NO = 8  FREE DEPTH SOLUTION
13 LAT = 37.250 N  ERX = 0.4  ERH = 0.6  AVFM = 2.1  Q = B
LONG = 116.495 W  ERY = 0.5  GAP = 106  AVXM =  QS = A  SILENT CANYON - NORTH
DEPTH = 9.00 KM  ERZ = 1.1  NM =  QD = A

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | BMT | EPU | 10 57 34.37 | | | | 08 | 2.4 | 7.6 | 292 | 139 | 2.56 | 2.18 | -0.08 |
| 13 | EPN | EPD | 10 57 36.70 | | | | | | 12.6 | 113 | 128 | 2.87 | 2.80 | 0.07 |
| 13 | BGB | EP 4 | 10 57 38.25 | | | | 37 | 2.4 | 31.7 | 140 | 105 | 6.42 | 5.67 | 0.80 |
| 13 | CDMI | EPU | 10 57 39.74 | | | | 15 | 1.6 | 45.8 | 165 | 108 | 7.95 | 7.91 | 0.04 |
| 13 | CTS | EPU | 10 57 40.20 | | | | | | 48.7 | 330 | 99 | 8.37 | 8.38 | -0.01 |
| 13 | LCP | EPD | 10 57 40.54 | | | | | | 51.6 | 150 | 99 | 8.71 | 8.84 | -0.13 |
| 13 | KRNA | EPU | 10 57 41.20 | | | | | | 55.8 | 7 | 98 | 9.37 | 9.39 | -0.02 |
| 13 | SGV | EPU | 10 57 42.26 | | | | 28 | 2.1 | 59.8 | 239 | 94 | 10.43 | 10.17 | 0.26 |
| 13 | LSM | EPD | 10 57 41.77 | | | | | | 59.9 | 164 | 98 | 9.94 | 10.17 | -0.23 |
| 13 | MCY | EPU4 | 10 57 46.00 | | | | | | 79.4 | 146 | 96 | 14.17 | 13.33 | 0.84 |

OCT H = 14 52 15.51 UTC  RMS = 0.26  NO = 11  FREE DEPTH SOLUTION
13 LAT = 37.070 N  ERX = 1.0  ERH = 1.7  AVFM = 1.8  Q = C
LONG = 117.083 W  ERY = 1.6  GAP = 96  AVXM =  QS = C  MT. JACKSON
DEPTH = 5.03 KM  ERZ = 6.9  NM =  QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | SGV | IPU | 14 52 17.75 | | | | 24 | 1.9 | 18.9 | 156 | 113 | 2.24 | 2.26 | -0.02 |
| 13 | GVN | IPD | 14 52 20.21 | | | | 19 | 1.8 | 24.6 | 252 | 100 | 4.70 | 4.37 | 0.33 |
| 13 | MCA | EPD4 | 14 52 20.45 | | | | 12 | 1.5 | 50.1 | 201 | 95 | 6.94 | 8.52 | -3.58 |
| 13 | BRO | EPD | 14 52 24.34 | | | | 19 | 1.9 | 53.2 | 130 | 95 | 8.03 | 9.02 | -0.19 |
| 13 | BMT | EPD4 | 14 52 23.21 | | | | 17 | 1.8 | 54.2 | 64 | 98 | 7.70 | 9.19 | -1.89 |
| 13 | FMT | EPD4 | 14 52 20.22 | | | | 30 | 2.3 | 54.9 | 150 | 94 | 4.71 | 9.31 | -4.58 |
| 13 | HGM | EPU | 14 52 24.29 | | | | 18 | 1.8 | 55.1 | 318 | 94 | 8.78 | 9.35 | -0.57 |
| 13 | EPN | EPD | 14 52 27.40 | | | | | | 69.3 | 77 | 93 | 11.89 | 11.65 | 0.24 |
| 13 | CTS | EPD | 14 52 27.37 | | | | | | 72.7 | 27 | 93 | 11.86 | 11.87 | -0.01 |
| 13 | BGB | EPU | 14 52 28.38 | | | | 20 | 2.0 | 76.1 | 93 | 93 | 12.79 | 12.78 | 0.10 |
| 13 | LSM | EPU | 14 52 28.85 | | | | | | 81.1 | 117 | 93 | 13.34 | 13.55 | -0.22 |
| 13 | SRM | EPU | 14 52 24.90 | | | | | | 81.4 | 125 | 93 | 13.39 | 13.61 | -0.22 |
| 13 | LOP | EPU | 14 52 29.80 | | | | | | 84.9 | 106 | 93 | 14.29 | 14.18 | 0.11 |
| 13 | GPR | EPU | 14 52 35.84 | | | | 6 | 1.1 | 120.0 | 76 | 92 | 20.33 | 19.89 | 0.44 |

OCT H = 16 27 24.22 UTC  RMS = 0.08  NO = 13  FREE DEPTH SOLUTION
13 LAT = 37.493 N  ERX = 0.3  ERH = 0.4  AVFM = 2.0  Q = C
LONG = 115.369 W  ERY = 0.3  GAP = 95  AVXM =  QS = B  ALAMO
DEPTH = 6.05 KM  ERZ = 4.7  NM =  QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | MTI | IPD | 16 27 28.05 | | | | 27 | 2.1 | 22.1 | 23 | 102 | 3.83 | 4.02 | 0.01 |
| 13 | PPN | EPU | 16 27 29.50 | | | | 42 | 2.5 | 29.8 | 109 | 99 | 5.28 | 5.25 | 0.03 |
| 13 | EPR | EPD | 16 27 30.96 | | | | 27 | 2.1 | 39.4 | 156 | 97 | 6.74 | 6.88 | -0.07 |
| 13 | GPR | EPD2 | 16 27 30.75 | | | | 16 | 1.7 | 39.8 | 200 | 96 | 6.53 | 6.86 | -0.33 |
| 13 | NPN | EPU | 16 27 31.40 | | | | 28 | 2.2 | 42.1 | 65 | 96 | 7.18 | 7.23 | -0.05 |
| 13 | SRG | EPD | 16 27 32.83 | | | | 32 | 2.3 | 50.7 | 32 | 95 | 8.61 | 8.63 | -0.02 |
| 13 | GLR | EPU | 16 27 35.39 | | | | 17 | 1.8 | 66.1 | 240 | 94 | 11.17 | 11.13 | 0.19 |
| 13 | BLT | EPU | 16 27 35.60 | | | | | | 67.8 | 267 | 94 | 11.38 | 11.40 | -0.03 |
| 13 | BGB | EPD | 16 27 39.27 | | | | 23 | 2.2 | 91.4 | 236 | 93 | 15.05 | 15.23 | -0.13 |
| 13 | KRNA | EPU | 16 27 39.85 | | | | | | 93.8 | 248 | 93 | 15.63 | 15.62 | 0.00 |
| 13 | SPRG | EPD4 | 16 27 41.15 | | | | 28 | 2.1 | 96.9 | 206 | 93 | 16.93 | 16.13 | 0.80 |
| 13 | SSP | EPU | 16 27 41.00 | | | | | | 98.3 | 230 | 93 | 16.78 | 16.35 | 0.42 |
| 13 | LCP | EPU | 16 27 41.17 | | | | | | 100.2 | 225 | 93 | 16.95 | 16.67 | 0.28 |
| 13 | BMT | EPU4 | 16 27 58.07 | | | | 14 | 1.8 | 105.7 | 257 | 92 | 33.65 | 17.56 | 15.89 |
| 13 | MCY | EPU | 16 27 41.73 | | | | | | 106.2 | 210 | 92 | 17.51 | 17.65 | -0.14 |
| 13 | SPRG | EPU4 | 16 27 57.41 | | | | 7 | 1.2 | 111.3 | 170 | 92 | 33.19 | 18.87 | 14.77 |
| 13 | LSM | EPU | 16 27 44.00 | | | | | | 115.9 | 224 | 92 | 19.78 | 19.22 | 0.56 |
| 13 | SGV | EPU4 | 16 28 10.46 | | | | 10 | 1.7 | 158.2 | 249 | 53 | 46.24 | 24.88 | 21.36 |

OCT H = 4 53 22.88 UTC  RMS = 0.24  NO = 12  FREE DEPTH SOLUTION
15 LAT = 37.224 N  ERX = 1.5  ERH = 2.1  AVFM = 2.6  Q = C
LONG = 115.001 W  ERY = 1.5  GAP = 216  AVXM =  QS = B  ALAMO
DEPTH = 1.84 KM  ERZ = 3.1  NM =  QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | EPR | IPU | 4 53 25.90 | | | | 58 | 2.7 | 17.6 | 249 | 90 | 3.02 | 3.21 | -0.19 |
| 15 | PPN | IPD | 4 53 26.40 | | | | 62 | 2.8 | 20.7 | 348 | 90 | 3.52 | 3.72 | -0.20 |
| 15 | NPN | EPD | 4 53 30.95 | | | | 29 | 2.2 | 47.9 | 7 | 90 | 8.07 | 8.14 | -0.07 |
| 15 | OLM | EPU | 4 53 31.11 | | | | 23 | 2.0 | 48.3 | 29 | 90 | 8.23 | 8.21 | 0.03 |
| 15 | MTI | EPD | 4 53 32.02 | | | | 28 | 2.2 | 55.6 | 334 | 90 | 9.14 | 9.40 | -0.06 |
| 15 | GPR | EPD | 4 53 34.35 | | | | 25 | 2.2 | 69.3 | 280 | 90 | 11.47 | 11.62 | -0.15 |
| 15 | SRG | EPD | 4 53 35.23 | | | | 44 | 2.7 | 73.3 | 355 | 90 | 12.35 | 12.26 | 0.09 |
| 15 | BLT | EPU | 4 53 40.25 | | | | | | 103.9 | 285 | 90 | 17.37 | 17.24 | 0.13 |
| 15 | MCY | EPD4 | 4 53 44.64 | | | | 42 | 2.7 | 106.8 | 234 | 90 | 21.76 | 17.58 | 4.18 |
| 15 | BGB | EPD4 | 4 53 42.40 | | | | 38 | 2.7 | 111.0 | 249 | 90 | 19.52 | 18.39 | 1.18 |
| 15 | SSP | EPD4 | 4 53 42.70 | | | | 41 | 2.8 | 113.2 | 253 | 90 | 19.82 | 18.76 | 1.07 |

| OCT 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | MGN | EPU | 19 22 5.00 | | | | 5 | 0.8 | 81.2 | 331 | 53 | 13.53 | 13.53 | 0.00 | |
| 17 | CTS | EPDe | 19 22 10.21 | | | | 10 | 1.5 | 98.0 | 18 | 53 | 18.74 | 15.71 | 3.03 | |
| 17 | BLT | EPDe | 19 22 9.77 | | | | 7 | 1.2 | 110.3 | 48 | 53 | 18.30 | 17.32 | 0.99 | |

OCT H = 0 33 9.03 UTC RMS = 0.31 NO = 6 — FREE DEPTH SOLUTION
19 LAT = 37.372 N ERH = 3.1 ERM = 6.2 AVFM = 2.6 Q = D
LONG = 116.191 W ERV = 2.8 GAP = 199 AVXM = QS = C — SILENT CANYON - NORTH
DEPTH = 8.45 KM ERZ = 529.7 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | EPN | EPD | 0 33 13.70 | | | | 72 | 2.9 | 21.1 | 214 | 38 | 3.87 | 4.04 | -0.17 |
| 19 | GLR | EPU | 0 33 13.91 | | | | 29 | 2.1 | 24.5 | 141 | 38 | 4.08 | 4.08 | -0.17 |
| 19 | SSP | EPUe | 0 33 19.47 | | | | 43 | 2.6 | 49.6 | 183 | 38 | 9.64 | 8.68 | 0.96 |
| 19 | CTS | EPD | 0 33 19.65 | | | | 30 | 2.3 | 55.9 | 302 | 38 | 9.82 | 9.70 | 0.12 |
| 19 | LCP | EPU | 0 33 20.32 | | | | 41 | 2.6 | 57.5 | 178 | 38 | 10.49 | 9.96 | 0.54 |
| 19 | CDM1 | EPD | 0 33 20.26 | | | | | | 57.9 | 191 | 38 | 10.43 | 10.02 | 0.41 |
| 19 | NPN | EPD | 0 33 20.65 | | | | 47 | 2.7 | 64.4 | 208 | 38 | 10.42 | 11.08 | -0.26 |
| 19 | LSM | EPUe | 0 33 23.40 | | | | 47 | 2.7 | 70.6 | 196 | 38 | 13.17 | 12.09 | 1.08 |

OCT H = 11 36 8.03 UTC RMS = 0.80 NO = 7 — FREE DEPTH SOLUTION
20 LAT = 37.270 N ERH = 11.4 ERM = 12.8 AVFM = 2.1 Q = D
LONG = 117.000 W ERV = 5.6 GAP = 200 AVXM = QS = D — MT. JACKSON
DEPTH = 14.31 KM ERZ = 12.5 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | GPN | EPUe | 11 36 32.00 | | | | 24 | 2.0 | 23.3 | 278 | 120 | 23.97 | 4.68 | 19.29 |
| 20 | NPN | EPDe | 11 36 20.65 | | | | 25 | 2.0 | 26.5 | 143 | 116 | 12.62 | 5.14 | 7.48 |
| 20 | BPT | EPDe | 11 36 22.81 | | | | 29 | 2.2 | 41.3 | 88 | 107 | 14.79 | 7.39 | 7.09 |
| 20 | GVN | EPDe | 11 36 33.83 | | | | 12 | 1.4 | 42.7 | 226 | 107 | 25.80 | 7.59 | 17.41 |
| 20 | CTS | EPU | 11 36 16.93 | | | | 20 | 1.9 | 47.6 | 31 | 105 | 8.90 | 9.37 | 0.53 |
| 20 | EPN | IPU | 11 36 18.40 | | | | 47 | 2.7 | 64.3 | 46 | 102 | 10.37 | 10.38 | -0.00 |
| 20 | BRO | EPUe | 11 36 27.87 | | | | 12 | 1.5 | 65.6 | 149 | 101 | 19.84 | 11.19 | 7.85 |
| 20 | BGB | EPU | 11 36 21.55 | | | | 28 | 2.0 | 73.2 | 111 | 100 | 13.52 | 12.40 | 1.14 |
| 20 | KANA | EPU | 11 36 19.71 | | | | 25 | 2.2 | 76.4 | 46 | 100 | 11.68 | 12.94 | -1.26 |
| | | ISD | 11 36 31.21 | | | | | | | | | 23.18 | 22.64 | 0.54 |
| 20 | BLT | EPD | 11 36 20.43 | | | | 30 | 2.4 | 79.4 | 75 | 99 | 12.40 | 13.43 | -1.03 |
| 20 | LOP | EPUe | 11 36 25.00 | | | | 30 | 2.4 | 87.2 | 122 | 98 | 16.97 | 14.68 | 2.29 |
| 20 | LSM | EPDe | 11 36 26.80 | | | | 36 | 2.5 | 87.6 | 132 | 98 | 18.77 | 14.74 | 4.03 |
| 20 | GPR | EPUe | 11 36 22.71 | | | | 15 | 1.9 | 109.1 | 86 | 53 | 14.68 | 17.69 | -3.01 |
| 20 | MCY | EPUe | 11 36 29.05 | | | | 28 | 2.4 | 114.4 | 126 | 53 | 21.02 | 18.38 | 2.65 |
| 20 | SPRG | EPDe | 11 36 25.11 | | | | 13 | 1.8 | 123.8 | 121 | 53 | 17.08 | 19.59 | -2.51 |
| 20 | TPU | EPU | 11 36 27.62 | | | | 25 | 2.4 | 125.2 | 73 | 53 | 19.59 | 19.78 | -0.19 |
| 20 | APK | EPUe | 11 36 30.40 | | | | 20 | 2.3 | 165.3 | 130 | 53 | 22.37 | 24.98 | -2.61 |
| 20 | PRN | EPUe | 11 36 35.78 | | | | 31 | 2.7 | 173.5 | 85 | 53 | 27.67 | 26.06 | 1.62 |

OCT H = 11 41 37.94 UTC RMS = 0.09 NO = 14 — FREE DEPTH SOLUTION
20 LAT = 37.316 N ERX = 0.3 ERM = 0.4 AVFM = 2.4 Q = B
LONG = 116.347 W ERY = 0.2 GAP = 110 AVXM = QS = A — SILENT CANYON - NORTH
DEPTH = 6.61 KM ERZ = 1.3 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | EPN | IPU | 11 41 40.30 | | | | 65 | 2.8 | 11.5 | 178 | 106 | 2.36 | 2.29 | 0.07 |
| 20 | BLT | IPD | 11 41 42.40 | | | | 28 | 1.8 | 24.8 | 49 | 97 | 4.46 | 4.41 | 0.05 |
| 20 | BGB | EPU | 11 41 43.46 | | | | 37 | 2.4 | 32.7 | 161 | 95 | 5.52 | 5.64 | -0.12 |
| 20 | SSP | IPD | 11 41 45.54 | | | | 32 | 2.3 | 44.9 | 165 | 94 | 7.56 | 7.67 | -0.11 |
| 20 | KANA | IPU | 11 41 45.92 | | | | 34 | 2.4 | 48.2 | 357 | 94 | 7.94 | 8.21 | -0.23 |
| 20 | CTS | IPU | 11 41 46.32 | | | | 27 | 2.2 | 49.1 | 317 | 93 | 8.34 | 8.35 | 0.03 |
| 20 | NPN | EPDe | 11 41 42.57 | | | | 37 | 2.4 | 49.3 | 238 | 93 | 4.63 | 8.38 | -3.75 |
| 20 | GPR | EPD | 11 41 46.79 | | | | 28 | 2.2 | 51.1 | 88 | 93 | 8.85 | 8.68 | 0.17 |
| 20 | LCP | EPD | 11 41 46.80 | | | | 37 | 2.5 | 53.7 | 163 | 93 | 8.86 | 9.10 | -0.24 |
| 20 | BRO | EPU | 11 41 49.85 | | | | 25 | 2.2 | 66.2 | 202 | 93 | 11.11 | 11.14 | -0.03 |
| 20 | TPU | EPD | 11 41 49.55 | | | | 24 | 2.1 | 69.6 | 63 | 92 | 11.41 | 11.67 | -0.07 |
| 20 | MCY | EPU | 11 41 51.45 | | | | 39 | 2.6 | 80.3 | 155 | 92 | 13.51 | 13.43 | 0.08 |
| 20 | GMN | EPDe | 11 41 53.95 | | | | 32 | 2.4 | 80.9 | 269 | 92 | 16.01 | 13.52 | 2.49 |
| 20 | FMT | EPD | 11 41 51.97 | | | | 24 | 2.2 | 84.3 | 237 | 92 | 14.03 | 14.08 | 0.05 |
| 20 | JON | EPD | 11 41 54.69 | | | | 29 | 2.4 | 99.7 | 167 | 92 | 16.66 | 16.58 | 0.08 |
| 20 | PRN | EPU2 | 11 41 57.65 | | | | 36 | 2.6 | 115.3 | 85 | 91 | 19.71 | 19.12 | 0.59 |
| 20 | SRG | EPU | 11 41 59.30 | | | | 35 | 2.7 | 129.3 | 61 | 53 | 21.36 | 21.26 | 0.10 |
| 20 | NPN | EPUe | 11 42 0.50 | | | | 33 | 2.6 | 130.2 | 73 | 53 | 22.56 | 21.37 | 1.19 |
| 20 | APK | EPDe | 11 41 52.27 | | | | 28 | 2.5 | 130.4 | 148 | 53 | 14.33 | 21.40 | -7.07 |
| 20 | OLM | EPUe | 11 42 2.75 | | | | 36 | 2.8 | 145.8 | 77 | 53 | 24.81 | 23.40 | 1.40 |

OCT H = 4 1 50.71 UTC RMS = 0.17 NO = 11 — FREE DEPTH SOLUTION
21 LAT = 36.691 N ERH = 1.0 ERM = 1.4 AVFM = 2.5 Q = C
LONG = 115.700 W ERV = 1.0 GAP = 142 AVXM = QS = B — MERCURY
DEPTH = 7.43 KM ERZ = 2.3 NM = QD = C

LOCAL-EQUAL DATA REPORT

| OCT 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | IMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | BPT | EPD | 13 27 57.81 | | | | 27 | 2.2 | 41.3 | 343 | 95 | 10.76 | 10.36 | 0.00 | |
| 24 | LPR | EPD | 13 27 59.06 | | | | 33 | 2.4 | 71.5 | 73 | 96 | 12.01 | 12.01 | -0.00 | |
| 24 | GVN | EPD | 13 28 7.35 | | | | 35 | 2.7 | 123.4 | 271 | 53 | 20.30 | 20.30 | -0.00 | |

OCT H = 19 25 38.09 UTC RMS = 0.49 NO = 13 — FREE DEPTH SOLUTION
24 LAT = 37.081 N ERX = 2.0 ERH = 2.0 AVFM = 2.6 Q = C
LONG = 115.943 W ERY = 1.3 GAP = 96 AVXM = QS = C — GROOM LAKE
DEPTH = 9.52 KM ERZ = 8.6 NM = QD = A

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | GLR | IP | 19 25 41.85 | | | | 58 | 2.7 | 14.0 | 340 | 121 | 2.96 | 2.99 | 0.12 |
| 24 | BGB | EPU | 19 25 43.11 | | | | 47 | 2.6 | 24.8 | 259 | 109 | 4.22 | 4.46 | -0.19 |
| 24 | SSP | IPD | 19 25 43.91 | | | | 66 | 2.9 | 28.5 | 233 | 106 | 5.02 | 5.17 | -0.15 |
| 24 | LCP | EPU | 19 25 44.16 | | | | 76 | 3.0 | 31.0 | 216 | 105 | 5.27 | 5.56 | -0.29 |
| 24 | GPR | EPU2 | 19 25 43.23 | | | | 54 | 2.7 | 32.9 | 31 | 100 | 4.34 | 5.85 | -1.51 |
| 24 | EPN | EPD4 | 19 25 45.96 | | | | 40 | 2.6 | 35.3 | 295 | 103 | 7.07 | 6.24 | 0.83 |
| 24 | CDM5 | EPD4 | 19 25 43.24 | | | | | | 39.9 | 232 | 101 | 4.39 | 6.97 | -2.57 |
| 24 | CDM1 | EPU | 19 25 44.01 | | | | 24 | 2.0 | 39.9 | 232 | 101 | 5.42 | 6.97 | -1.04 |
| 24 | BLT | EPD | 19 25 47.22 | | | | 26 | 2.1 | 44.9 | 340 | 100 | 8.33 | 7.77 | 0.56 |
| 24 | SPRG | EPU | 19 25 47.10 | | | | 63 | 2.9 | 45.0 | 162 | 100 | 8.21 | 7.79 | 0.42 |
| 24 | MCY | EPU | 19 25 47.00 | | | | 83 | 3.1 | 46.5 | 150 | 100 | 8.11 | 8.02 | 0.09 |
| 24 | BPT | EPD | 19 25 48.97 | | | | 43 | 2.6 | 55.4 | 294 | 98 | 10.08 | 9.46 | 0.23 |
| 24 | BRD | EPU4 | 19 26 0.15 | | | | 20 | 2.0 | 68.8 | 239 | 97 | 21.26 | 11.61 | 9.66 |
| 24 | EPR | EPU4 | 19 25 52.20 | | | | 41 | 2.6 | 69.7 | 82 | 97 | 13.31 | 11.76 | 1.55 |
| 24 | JON | EPU | 19 25 51.55 | | | | 24 | 2.1 | 72.2 | 190 | 96 | 12.66 | 12.16 | 0.50 |
| 24 | KRNA | EPU | 19 25 53.11 | | | | 24 | 2.2 | 83.0 | 334 | 95 | 14.22 | 13.91 | 0.32 |
| 24 | PRN | EPU | 19 25 53.31 | | | | 45 | 2.7 | 88.8 | 66 | 95 | 14.42 | 14.85 | -0.43 |
| 24 | MTI | EPU4 | 19 25 56.62 | | | | 45 | 2.8 | 90.1 | 43 | 95 | 17.73 | 15.06 | 2.68 |
| 24 | SCV | EPD4 | 19 25 57.65 | | | | 39 | 2.6 | 95.8 | 263 | 95 | 18.76 | 15.98 | 2.78 |
| 24 | NPN | EPU4 | 19 25 59.95 | | | | 40 | 2.7 | 110.9 | 55 | 53 | 21.06 | 18.38 | 2.68 |
| 24 | GPN | EPU4 | 19 26 0.50 | | | | 33 | 2.6 | 117.7 | 282 | 53 | 21.6[illegible] | 19.27 | 2.34 |
| 24 | SRG | EPU4 | 19 26 1.11 | | | | 49 | 2.9 | 119.1 | 82 | 53 | 22.22 | 19.45 | 2.77 |
| 24 | GVN | EPU4 | 19 26 1.20 | | | | 34 | 2.6 | 123.1 | 266 | 53 | 22.31 | 19.97 | 2.34 |
| 24 | DLM | EPD4 | 19 26 2.00 | | | | 27 | 2.4 | 123.2 | 62 | 53 | 23.11 | 19.99 | 3.12 |
| 24 | MGM | EPD4 | 19 26 3.77 | | | | 31 | 2.6 | 141.7 | 286 | 53 | 24.88 | 22.39 | 2.49 |
| 24 | TAP | EPD4 | 19 26 6.02 | | | | 30 | 2.6 | 157.0 | 315 | 53 | 27.13 | 24.37 | 2.76 |

OCT H = 19 27 45.10 UTC RMS = 0.25 NO = 14 — FREE DEPTH SOLUTION
24 LAT = 37.078 N ERX = 1.4 ERH = 1.6 AVFM = 2.4 Q = C
LONG = 116.007 W ERY = 0.9 GAP = 139 AVXM = QS = C — SILENT CANYON - YUCCA FLAT
DEPTH = 0.59 KM ERZ = 5.3 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | GLR | EPU | 19 27 47.65 | | | | 53 | 2.6 | 13.5 | 356 | 114 | 2.55 | 2.84 | -0.10 |
| 24 | BGB | EPU | 19 27 48.88 | | | | 64 | 2.8 | 20.2 | 257 | 110 | 3.78 | 3.83 | -0.00 |
| 24 | SSP | EPU | 19 27 49.51 | | | | 50 | 2.6 | 25.4 | 228 | 106 | 4.41 | 4.64 | -0.23 |
| 24 | LCP | EPD | 19 27 50.00 | | | | 48 | 2.6 | 28.7 | 210 | 104 | 4.90 | 5.16 | -0.26 |
| 24 | EPN | EPU4 | 19 27 51.84 | | | | 50 | 2.6 | 32.0 | 290 | 103 | 6.74 | 5.68 | 1.06 |
| 24 | GPR | EPU | 19 27 51.40 | | | | 28 | 2.1 | 35.2 | 36 | 101 | 6.30 | 6.20 | 0.10 |
| 24 | CDM1 | EPU | 19 27 51.30 | | | | 24 | 2.0 | 36.7 | 229 | 101 | 6.20 | 6.43 | -0.24 |
| 24 | CDM5 | EPU | 19 27 51.56 | | | | 13 | 1.5 | 36.7 | 229 | 101 | 6.46 | 6.43 | 0.02 |
| | | 130 | 19 27 56.75 | | | | | | | | | 11.65 | 11.26 | 0.39 |
| 24 | BLT | EPD | 19 27 52.45 | | | | 20 | 1.9 | 44.0 | 345 | 99 | 7.85 | 7.60 | 0.25 |
| 24 | MCY | EPD | 19 27 53.35 | | | | 56 | 2.8 | 46.4 | 175 | 99 | 8.25 | 7.98 | 0.27 |
| 24 | SDM | EPU | 19 27 54.15 | | | | 36 | 2.4 | 56.4 | 212 | 97 | 9.05 | 9.54 | -0.54 |
| 24 | TPU | EPU | 19 27 56.40 | | | | 23 | 2.1 | 66.5 | 28 | 96 | 11.30 | 11.23 | 0.07 |
| 24 | JCN | EPU | 19 27 57.40 | | | | 22 | 2.1 | 71.4 | 187 | 96 | 12.30 | 12.01 | 0.29 |
| 24 | PPN | EPD4 | 19 28 2.15 | | | | 35 | 2.5 | 92.5 | 67 | 94 | 17.05 | 15.43 | 1.62 |
| 24 | NCP | EPU3 | 19 28 3.60 | | | | 25 | 2.3 | 106.2 | 187 | 94 | 18.50 | 17.67 | 0.83 |
| 24 | NPN | EPU4 | 19 28 6.05 | | | | 34 | 2.6 | 114.2 | 56 | 53 | 20.95 | 18.91 | 2.04 |

OCT H = 0 27 40.59 UTC RMS = 0.37 NO = 30 — FREE DEPTH SOLUTION
25 LAT = 38.197 N ERX = 1.2 ERH = 3.0 AVFM = 2.8 Q = D
LONG = 117.233 W ERY = 2.7 GAP = 246 AVXM = QS = C — TONOPAH
DEPTH = 0.61 KM ERZ = 5.9 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | TNP | IPU | 0 27 42.89 | | | | | | 12.9 | 174 | 38 | 2.30 | 2.67 | -0.37 |
| 25 | CTS | EPU | 0 27 53.21 | | | | | | 76.3 | 144 | 38 | 12.62 | 12.98 | -0.36 |
| 25 | MGM | EPU | 0 27 55.12 | | | | 29 | 2.4 | 87.1 | 195 | 38 | 14.53 | 14.75 | -0.21 |
| 25 | KRNA | EPU | 0 27 55.50 | | | | | | 89.9 | 124 | 38 | 14.91 | 15.19 | -0.29 |
| 25 | GVN | IPU4 | 0 27 56.75 | | | | 48 | 2.8 | 99.6 | 141 | 39 | 16.16 | 16.77 | -0.61 |
| 25 | PPK | EPU2 | 0 27 57.70 | | | | 23 | 2.2 | 104.1 | 215 | 38 | 17.11 | 17.51 | -0.40 |
| 25 | LCM | EPD | 0 27 59.42 | | | | 28 | 2.4 | 112.9 | 149 | 38 | 18.23 | 18.94 | 0.29 |
| 25 | BPT | EPD4 | 0 28 0.03 | | | | | | 114.7 | 149 | 39 | 19.44 | 19.88 | -0.04 |
| 25 | UCS | EPU3 | 0 28 1.02 | | | | 40 | 2.8 | 125.1 | 112 | 39 | 20.43 | 20.92 | -0.49 |
| 25 | BLT | EPU | 0 28 1.72 | | | | 38 | 2.7 | 126.6 | 159 | 39 | 21.13 | 21.17 | -0.04 |
| 25 | GVN | EPU | 0 28 2.79 | | | | | | 133.1 | 144 | 38 | 22.20 | 22.21 | -0.02 |
| 25 | EPN | EPU | 0 28 3.75 | | | | 71 | 3.3 | 135.4 | 144 | 38 | 23.16 | 22.59 | 0.57 |



90814 0253

| OCT 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 25 | QCS | EPD | 1 7 3.67 | | | | 39 | 2.7 | 99.9 | 299 | 38 | 16.77 | 16.89 | -0.11 | |
| . 25 | BLT | EPU | 1 7 4.61 | | | | 39 | 2.7 | 100.1 | 277 | 34 | 18.31 | 18.22 | 0.10 | |
| . 25 | MCY | EPD | 1 7 6.05 | | | | 49 | 2.9 | 118.8 | 231 | 38 | 19.75 | 19.96 | -0.21 | |
| . 25 | LCP | EPU | 1 7 6.66 | | | | 47 | 2.9 | 122.7 | 246 | 38 | 20.36 | 20.59 | -0.23 | |
| . 25 | KRNA | EPU | 1 7 9.17 | | | | 42 | 2.9 | 136.8 | 290 | 38 | 22.87 | 22.83 | 0.04 | |
| . 25 | JCN | EPU | 1 7 10.54 | | | | 40 | 2.8 | 144.6 | 227 | 38 | 24.24 | 23.84 | 0.40 | |
| . 25 | SDM | EPD | 1 7 10.81 | | | | 36 | 2.8 | 147.3 | 259 | 38 | 24.51 | 24.20 | 0.31 | |
| . 25 | NCP | EPD | 1 7 13.76 | | | | 43 | 3.0 | 173.2 | 219 | 38 | 27.46 | 27.56 | -0.10 | |
| . 25 | TAP | EPU | 1 7 20.11 | | | | 16 | 2.3 | 218.7 | 292 | 38 | 33.81 | 33.46 | 0.35 | |

. OCT H = 13 22 51.35 UTC RMS = 0.13 NO = 9 — FREE DEPTH SOLUTION
. 27 LAT = 36.796 N ERX = 0.5 ERH = 0.8 AVPM = 2.4 Q = C
. LONG = 116.316 W ERY = 0.6 GAP = 129 AVXM = QS = C
. DEPTH = 3.73 KM ERZ = 5.4 KM = QD = B — LATHROP WELLS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 27 | LSM | IPU | 13 22 52.76 | | | | 87 | 3.0 | 7.5 | 148 | 108 | 1.41 | 1.62 | -0.21 | |
| . 27 | LCP | IPU | 13 22 54.21 | | | | 36 | 2.3 | 14.8 | 64 | 99 | 2.86 | 2.78 | 0.08 | |
| . 27 | SDM | EPD | 13 22 54.57 | | | | 38 | 2.1 | 16.8 | 187 | 97 | 3.22 | 3.11 | 0.11 | |
| . 27 | CPX | EPU | 13 22 56.18 | | | | 30 | 2.2 | 27.3 | 97 | 94 | 4.83 | 4.80 | 0.02 | |
| . 27 | MCY | EPD | 13 22 57.15 | | | | 39 | 2.4 | 35.8 | 115 | 93 | 5.80 | 6.05 | -0.25 | |
| . 27 | JCN | EPU | 13 22 58.79 | | | | 38 | 2.2 | 43.9 | 154 | 93 | 7.44 | 7.50 | -0.06 | |
| . 27 | SPRG | EPU | 13 22 59.36 | | | | 36 | 2.4 | 46.7 | 104 | 93 | 8.01 | 7.95 | 0.05 | |
| . 27 | SGV | EPD | 13 23 2.54 | | | | 34 | 2.4 | 67.1 | 288 | 92 | 11.19 | 11.27 | -0.08 | |
| . 27 | GVN | EPUG | 13 23 9.01 | | | | 33 | 2.5 | 94.3 | 286 | 91 | 18.66 | 15.78 | 2.79 | |
| . 27 | EPR | EPD | 13 23 9.84 | | | | 38 | 2.7 | 108.7 | 68 | 90 | 18.49 | 19.03 | 0.45 | |

. OCT H = 20 2 28.83 UTC RMS = 0.15 NO = 11 — FREE DEPTH SOLUTION
. 27 LAT = 36.818 N ERX = 1.9 ERH = 2.9 AVPM = 2.1 Q = D
. LONG = 115.139 W ERY = 2.2 GAP = 273 AVXM = QS = C
. DEPTH = 0.68 KM ERZ = 8.5 KM = QD = D — LAS VEGAS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 27 | NCP | EPU | 20 2 44.31 | | | | 28 | 2.3 | 92.2 | 278 | 38 | 15.48 | 15.57 | -0.09 | |
| . 27 | JCN | EPU | 20 2 45.50 | | | | 32 | 2.5 | 99.0 | 299 | 38 | 16.67 | 16.67 | 0.00 | |
| . 27 | MCY | IPU | 20 2 45.95 | | | | 47 | 2.6 | 103.4 | 314 | 38 | 17.12 | 17.40 | -0.28 | |
| . 27 | SDM | EPD | 20 2 50.22 | | | | 33 | 2.6 | 128.8 | 303 | 38 | 21.39 | 21.52 | -0.13 | |
| . 27 | LSM | IPU | 20 2 50.55 | | | | 35 | 2.7 | 129.9 | 309 | 38 | 21.72 | 21.70 | 0.02 | |
| . 27 | LCP | EPD | 20 2 50.85 | | | | 35 | 2.7 | 131.5 | 315 | 34 | 22.02 | 21.96 | 0.06 | |
| . 27 | COHI | EPU | 20 2 52.49 | | | | 35 | 2.7 | 141.7 | 312 | 30 | 23.66 | 23.41 | 0.25 | |
| . 27 | BGB | EPD | 20 2 53.57 | | | | 38 | 2.8 | 150.1 | 319 | 30 | 24.74 | 24.50 | 0.29 | |
| . 27 | PRN | EPD | 20 2 53.98 | | | | 42 | 2.9 | 155.3 | 3 | 30 | 25.07 | 25.17 | -0.10 | |
| . 27 | GPR | EPUG | 20 2 54.95 | | | | 34 | 2.7 | 157.4 | 339 | 30 | 26.12 | 25.45 | 0.67 | |
| . 27 | TPU | EPD | 20 2 57.67 | | | | 31 | 2.6 | 182.8 | 346 | 30 | 28.84 | 28.75 | 0.09 | |
| . 27 | HPN | EPD | 20 2 57.83 | | | | 32 | 2.6 | 183.2 | 6 | 30 | 29.00 | 28.80 | 0.20 | |

. OCT H = 0 40 33.42 UTC RMS = 0.45 NO = 22 — FREE DEPTH SOLUTION
. 31 LAT = 36.726 N ERX = 0.8 ERH = 1.5 AVPM = 2.5 Q = C
. LONG = 115.932 W ERY = 0.7 GAP = 56 AVXM = QS = C
. DEPTH = 0.79 KM ERZ = 3.1 KM = QD = B — MERCURY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 31 | MCY | EPU | 0 40 35.01 | | | | 47 | 2.5 | 7.6 | 201 | 38 | 1.59 | 1.77 | -0.18 | |
| . | | ISU2 | 0 40 37.76 | | | | | | | | | 4.34 | 3.11 | 1.24 | |
| . 31 | SPRG | IPU | 0 40 35.30 | | | | | | 11.5 | 108 | 38 | 1.88 | 2.41 | -0.52 | |
| . 31 | CPX | EPD | 0 40 37.30 | | | | 26 | 2.0 | 25.2 | 333 | 38 | 3.84 | 4.44 | -0.76 | |
| . 31 | LSM | EPU2 | 0 40 37.44 | | | | 38 | 2.4 | 39.4 | 273 | 38 | 4.04 | 5.49 | -1.45 | |
| . 31 | SSP | EPD | 0 40 39.18 | | | | 37 | 2.4 | 33.8 | 311 | 38 | 5.76 | 6.04 | -0.28 | |
| . 31 | BGB | EPD | 0 40 40.70 | | | | 33 | 2.3 | 43.6 | 323 | 34 | 7.24 | 7.62 | -0.29 | |
| . 31 | APX | EPU | 0 40 42.78 | | | | 27 | 2.2 | 55.3 | 145 | 38 | 9.36 | 9.53 | -0.16 | |
| . 31 | EPN | EPD | 0 40 44.50 | | | | 35 | 2.4 | 64.5 | 327 | 38 | 11.08 | 11.03 | 0.06 | |
| . 31 | GPR | EPD | 0 40 45.18 | | | | 37 | 2.5 | 69.0 | 12 | 38 | 11.76 | 11.76 | 0.00 | |
| . 31 | SHRG | EPU | 0 40 46.20 | | | | 22 | 2.1 | 73.7 | 109 | 38 | 12.78 | 12.52 | 0.31 | |
| . 31 | FRT | EPUG | 0 40 52.15 | | | | 30 | 2.4 | 76.3 | 263 | 34 | 18.73 | 12.95 | 5.80 | |
| . 31 | BMT | EPU | 0 40 48.13 | | | | 38 | 2.4 | 81.9 | 319 | 38 | 14.71 | 13.86 | 0.86 | |
| . 31 | EPR | EPU | 0 40 47.71 | | | | 46 | 2.7 | 82.6 | 53 | 38 | 14.29 | 13.98 | 0.31 | |
| . 31 | TPU | EPD | 0 40 50.20 | | | | 31 | 2.5 | 100.8 | 14 | 38 | 16.78 | 16.93 | -0.14 | |
| . 31 | PRN | EPD | 0 40 52.12 | | | | 45 | 2.6 | 108.9 | 46 | 38 | 18.70 | 14.25 | 0.45 | |
| . 31 | OSM | EPU | 0 40 53.65 | | | | 33 | 2.6 | 119.1 | 229 | 34 | 20.23 | 19.91 | 0.32 | |
| . 31 | KRNA | EPU | 0 40 54.35 | | | | 24 | 2.3 | 120.5 | 341 | 34 | 20.93 | 20.13 | 0.80 | |
| . 31 | MTI | EPUG | 0 40 54.60 | | | | 32 | 2.6 | 120.7 | 29 | 34 | 21.14 | 19.16 | 1.22 | |
| . 31 | CTS | EPU | 0 40 54.51 | | | | 22 | 2.2 | 123.6 | 325 | 38 | 21.09 | 20.63 | 0.46 | |
| . 31 | GVN | EPU | 0 40 54.11 | | | | 35 | 2.7 | 129.4 | 284 | 34 | 20.69 | 21.59 | -0.89 | |
| . 31 | GPN | EPD | 0 40 55.95 | | | | 36 | 2.7 | 134.3 | 298 | 38 | 22.53 | 22.38 | 0.15 | |
| . 31 | DLM | EPU | 0 40 57.31 | | | | 35 | 2.7 | 144.1 | 87 | 30 | 23.89 | 23.67 | 0.22 | |
| . 31 | SRG | EPU | 0 40 58.15 | | | | 48 | 3.0 | 149.5 | 31 | 38 | 24.71 | 24.37 | 0.34 | |
| . 31 | MGM | IPDG | 0 40 60.28 | | | | 32 | 2.7 | 160.2 | 300 | 39 | 26.84 | 25.76 | 1.10 | |

1980 SOUTHERN GREAT BASIN
LOCAL-EVENT DATA REPORT

| OCT 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | BMT | EPU4 | 18 43 11.95 | | | | 32 | 2.2 | 29.6 | 288 | 103 | 7.50 | 5.28 | 1.82 | |
| 31 | SSP | EPD | 18 43 9.60 | | | | 39 | 2.4 | 30.9 | 180 | 102 | 5.19 | 5.48 | -0.30 | |
| 31 | LCP | EPD | 18 43 11.40 | | | | 42 | 2.5 | 39.0 | 174 | 100 | 6.95 | 6.78 | 0.17 | |
| 31 | GPR | EPU | 18 43 11.51 | | | | 32 | 2.3 | 42.0 | 70 | 99 | 7.06 | 7.27 | -0.21 | |
| 31 | LSM | EPD4 | 18 43 12.00 | | | | 40 | 2.5 | 51.8 | 186 | 97 | 7.55 | 8.83 | -1.29 | |
| 31 | SGV | EPD | 18 43 17.79 | | | | 48 | 2.6 | 76.6 | 251 | 95 | 13.30 | 12.96 | 0.48 | |
| 31 | GVN | EPU4 | 18 43 23.30 | | | | 29 | 2.4 | 102.6 | 257 | 94 | 18.65 | 17.07 | 1.77 | |

OCT M = 19 18 13.53 UTC RMS = 0.28 NO = 8
31 LAT = 37.051 N ERX = 1.7 ERM = 2.0 AVFM = 2.4 Q = B
LONG = 116.165 W ERY = 1.1 GAP = 112 AVXM = QS = B
DEPTH = 12.19 KM ERZ = 1.8 NM = QD = B
FREE DEPTH SOLUTION
SILENT CANYON - YUCCA FLAT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | BGB | IPD | 19 18 16.11 | | | | 34 | 2.2 | 5.7 | 256 | 153 | 2.54 | 2.37 | 0.25 |
| | | | | | | | | | 18.7 | 199 | 127 | 1.47 | 3.33 | -1.86 |
| 31 | SSP | IPU4 | 19 18 15.00 | | | | | | | | | | | |
| 31 | GLR | EPU4 | 19 18 14.00 | | | | 26 | 2.0 | 21.1 | 38 | 118 | 0.07 | 4.20 | -3.59 |
| 31 | LCP | EPU | 19 18 18.00 | | | | 50 | 2.6 | 21.8 | 181 | 117 | 4.47 | 4.31 | 0.16 |
| 31 | EPN | EPD | 19 18 18.06 | | | | 40 | 2.4 | 23.0 | 322 | 116 | 4.53 | 4.48 | 0.05 |
| 31 | LSM | EPU | 19 18 19.55 | | | | 43 | 2.5 | 35.9 | 195 | 107 | 6.02 | 6.44 | -0.42 |
| 31 | BLT | EP | 19 18 21.25 | | | | 36 | 2.4 | 45.7 | 3 | 103 | 7.72 | 7.98 | -0.26 |
| 31 | SGV | IPU | 19 18 26.39 | | | | 26 | 2.2 | 77.6 | 264 | 98 | 12.86 | 13.08 | -0.22 |
| 31 | GVN | EPU | 19 18 31.22 | | | | 31 | 2.5 | 104.9 | 267 | 53 | 17.69 | 17.35 | 0.33 |
| 31 | PRN | EPU | 19 18 31.25 | | | | 29 | 2.4 | 106.6 | 68 | 53 | 17.72 | 17.57 | 0.14 |

OCT M = 19 46 11.39 UTC RMS = 0.23 NO = 14
31 LAT = 37.164 N ERX = 0.8 ERM = 1.0 AVFM = Q = C
LONG = 116.219 W ERY = 0.6 GAP = 100 AVXM = QS = B
DEPTH = 7.44 KM ERZ = 2.2 NM = QD = C
FREE DEPTH SOLUTION
SILENT CANYON - YUCCA FLAT

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | CPX | EPU | 19 46 16.54 | | | | | | 29.7 | 151 | 101 | 5.15 | 5.28 | -0.13 |
| 31 | BMT | EPD | 19 46 17.27 | | | | | | 31.0 | 295 | 101 | 5.88 | 5.47 | 0.41 |
| 31 | KRNA | IPD | 19 46 22.01 | | | | | | 44.6 | 348 | 95 | 10.62 | 11.22 | -0.60 |
| 31 | CTS | EPD | 19 46 23.21 | | | | | | 49.3 | 320 | 95 | 11.82 | 11.67 | 0.16 |
| 31 | TPU | EPU | 19 46 22.85 | | | | | | 70.3 | 46 | 95 | 11.46 | 11.82 | -0.36 |
| 31 | OCS | EPU | 19 46 23.85 | | | | | | 72.2 | 22 | 95 | 12.46 | 12.12 | 0.34 |
| 31 | SGV | EPU4 | 19 46 22.20 | | | | | | 75.1 | 254 | 94 | 10.81 | 12.60 | -1.79 |
| 31 | JCN | EPD | 19 46 25.01 | | | | | | 81.0 | 173 | 94 | 13.62 | 13.56 | 0.06 |
| 31 | APR | EPD | 19 46 26.10 | | | | | | 88.0 | 195 | 94 | 14.71 | 14.70 | 0.01 |
| 31 | EPR | EPU | 19 46 26.26 | | | | | | 91.6 | 90 | 94 | 14.87 | 15.28 | -0.41 |
| 31 | GPN | EPD4 | 19 46 28.01 | | | | | | 93.6 | 279 | 94 | 16.62 | 15.61 | 1.01 |
| 31 | MTI | EPD | 19 46 28.39 | | | | | | 101.3 | 56 | 93 | 17.00 | 16.85 | 0.36 |
| 31 | PRN | EPD | 19 46 29.55 | | | | | | 107.1 | 75 | 93 | 18.16 | 17.79 | 0.37 |
| 31 | MZP | EPD4 | 19 46 32.27 | | | | | | 119.1 | 309 | 53 | 20.88 | 19.65 | 1.42 |
| | | ESD4 | 19 46 49.69 | | | | | | | | | 38.30 | 38.06 | 0.24 |
| 31 | SMRG | EPD | 19 46 30.86 | | | | | | 119.9 | 128 | 53 | 19.47 | 19.74 | -0.23 |
| 31 | NPN | EPD | 19 46 32.10 | | | | | | 125.8 | 64 | 53 | 20.71 | 20.53 | 0.19 |
| 31 | SPG | EPU | 19 46 32.05 | | | | | | 129.3 | 52 | 53 | 20.66 | 20.98 | -0.32 |
| 31 | PPK | EPD4 | 19 46 37.37 | | | | | | 157.5 | 281 | 53 | 25.98 | 24.00 | 1.99 |

NOV M = 23 59 35.63 UTC RMS = 0.03 NO = 5
02 LAT = 37.344 N ERX = 0.4 ERM = 1.0 AVFM = 2.1 Q = D
LONG = 116.984 W ERY = 0.9 GAP = 281 AVXM = QS = C
DEPTH = 9.17 KM ERZ = 5.8 NM = QD = D
FREE DEPTH SOLUTION
THIRSTY CANYON

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | GPN | IPD | 23 59 40.19 | | | | 16 | 1.6 | 20.9 | 259 | 108 | 4.56 | 4.59 | -0.03 |
| 02 | BMT | EPU | 23 59 43.10 | | | | 24 | 2.0 | 40.5 | 100 | 101 | 7.47 | 7.05 | 0.02 |
| 02 | SGV | IPU | 23 59 42.64 | | | | 28 | 2.2 | 40.5 | 106 | 101 | 7.05 | 7.05 | -0.01 |
| 02 | GVN | IPU | 23 59 44.19 | | | | 19 | 1.9 | 49.6 | 220 | 99 | 8.56 | 8.51 | 0.05 |
| 02 | MZP | EPD4 | 23 59 46.09 | | | | 20 | 1.9 | 53.0 | 318 | 98 | 10.37 | 9.06 | 1.50 |
| 02 | GLR | EPD4 | 23 59 52.99 | | | | 22 | 2.1 | 87.2 | 101 | 95 | 17.35 | 14.58 | 2.92 |
| 02 | LSM | EPU | 23 59 51.02 | | | | 24 | 2.3 | 92.3 | 137 | 95 | 15.39 | 15.42 | -0.03 |
| 02 | SCM | EPD4 | 23 59 54.49 | | | | 32 | 2.5 | 96.5 | 143 | 94 | 18.86 | 16.09 | 2.76 |
| 02 | MCY | EPD4 | 23 59 52.09 | | | | 40 | 2.7 | 118.4 | 130 | 53 | 16.46 | 19.39 | -2.94 |

NOV M = 2 17 27.19 UTC RMS = 0.00 NO = 4
03 LAT = 37.532 N ERX = ERM = AVFM = 2.1 Q = C
LONG = 115.310 W ERY = GAP = 130 AVXM = QS = A
DEPTH = 14.73 KM ERZ = NM = QD = D
FREE DEPTH SOLUTION
MIKU

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | MTI | EPD | 2 17 30.79 | | | | 24 | 2.0 | 16.4 | 11 | 130 | 3.60 | 3.40 | -0.00 |
| 03 | PRN | IPD | 2 17 32.41 | | | | 38 | 2.4 | 24.8 | 121 | 117 | 5.22 | 5.22 | 0.00 |
| 03 | NPN | IPD4 | 2 17 34.49 | | | | 26 | 2.1 | 35.6 | 64 | 111 | 7.30 | 6.52 | 0.78 |



9 0 8 1 4 0 2 5 5

1988 SOUTHERN GREAT BASIN
LOCAL-EVENT DATA REPORT

| NOV 1988 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | APK | EPU4 | 6 50 17.45 | | | | 39 | 2.9 | 158.7 | 200 | 30 | 26.97 | 25.47 | 1.50 | |
| 04 | SGV | EPU | 6 50 22.32 | | | | 50 | 3.3 | 197.7 | 247 | 30 | 31.44 | 30.53 | 0.91 | |
| 04 | PPK | EPD4 | 6 50 34.15 | | | | 16 | 2.5 | 260.8 | 264 | 30 | 43.27 | 38.72 | 4.55 | |

NOV H = 7 39 51.16 UTC RMS = 0.06 NO = 17
04 LAT = 36.243 N ERX = 0.5 ERH = 1.1 AVFM = 2.7 Q = C
LONG = 117.121 W ERY = 1.9 GAP = 265 AVXM = QS = B
DEPTH = 1.09 KM ERZ = 0.6 NM = QD = D

FREE DEPTH SOLUTION
PANAMINT BUTTE

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | SGV | IPU | 7 40 4.93 | | | | 50 | 2.8 | 82.3 | 6 | 90 | 13.77 | 13.73 | 0.04 |
| 04 | LSM | EPU | 7 40 6.79 | | | | 73 | 3.2 | 93.9 | 54 | 90 | 15.63 | 15.62 | 0.01 |
| 04 | LCP | EPU | 7 40 9.26 | | | | 66 | 3.2 | 109.1 | 52 | 90 | 18.10 | 18.09 | 0.01 |
| 04 | MCY | IPU | 7 40 10.00 | | | | 80 | 3.3 | 113.7 | 46 | 90 | 18.84 | 18.84 | -0.00 |
| 04 | BGB | EPD | 7 40 10.85 | | | | 41 | 2.8 | 119.8 | 42 | 90 | 19.69 | 19.71 | 0.03 |
| 04 | CPX | EPU | 7 40 11.33 | | | | 34 | 2.6 | 121.8 | 51 | 90 | 20.17 | 20.16 | 0.02 |
| 04 | BMT | EPU | 7 40 12.25 | | | | 39 | 2.8 | 126.8 | 24 | 90 | 21.09 | 20.97 | -0.28 |
| 04 | SPRG | EPU | 7 40 12.25 | | | | 35 | 2.7 | 127.7 | 67 | 90 | 21.09 | 21.12 | -0.03 |
| 04 | EPN | EPD | 7 40 12.55 | | | | 71 | 3.3 | 129.2 | 33 | 90 | 21.39 | 21.36 | 0.03 |
| 04 | MGW | EPD | 7 40 13.69 | | | | 8 | 1.4 | 137.1 | 346 | 53 | 22.53 | 22.54 | -0.01 |
| 04 | GLR | EPD | 7 40 14.58 | | | | 27 | 2.5 | 144.9 | 43 | 53 | 23.42 | 23.55 | 0.03 |
| 04 | PPK | EPU | 7 40 15.19 | | | | 33 | 2.7 | 148.9 | 332 | 53 | 24.03 | 24.07 | -0.04 |
| 04 | CTS | EPU | 7 40 16.57 | | | | 45 | 3.0 | 159.0 | 13 | 53 | 25.41 | 25.36 | 0.03 |
| 04 | BLT | EPU | 7 40 16.88 | | | | 38 | 2.9 | 161.3 | 33 | 53 | 25.72 | 25.68 | 0.04 |
| 04 | GMR | EPU | 7 40 18.09 | | | | 12 | 1.9 | 170.8 | 45 | 53 | 26.93 | 26.91 | 0.02 |
| 04 | KPNA | EPU | 7 40 19.27 | | | | 50 | 3.2 | 179.8 | 22 | 53 | 28.11 | 28.08 | 0.03 |
| 04 | EPR | EPD | 7 40 22.01 | | | | 8 | 1.6 | 201.1 | 59 | 53 | 30.85 | 30.85 | 0.00 |
| 04 | PRN | EPD__ | 7 40 25.10 | | | | 16 | 2.2 | 225.5 | 55 | 53 | 34.02 | 34.02 | 0.00 |

NOV H = 8 6 38.42 UTC RMS = 0.59 NO = 9
04 LAT = 36.650 N ERX = 4.5 ERH = 7.5 AVFM = 2.2 Q = D
LONG = 116.096 W ERY = 5.9 GAP = 210 AVXM = QS = D
DEPTH = 20.92 KM ERZ = 3.1 NM = QD = D

FREE DEPTH SOLUTION
LATHROP WELLS

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | MCY | IPU | 8 6 42.57 | | | | 42 | 2.4 | 12.0 | 84 | 149 | 4.15 | 4.11 | 0.04 | Good qual |
| 04 | LSM | IPU | 8 6 44.37 | | | | 49 | 2.6 | 18.6 | 302 | 137 | 5.95 | 4.75 | 1.20 | |
| 04 | LCP | IPU | 8 6 43.40 | | | | 41 | 2.6 | 23.5 | 344 | 130 | 4.98 | 5.33 | -0.35 | |
| 04 | CPX | EPD | 8 6 43.85 | | | | 21 | 1.9 | 31.1 | 6 | 123 | 5.43 | 6.33 | -0.90 | |
| 04 | BGB | EPD | 8 6 46.65 | | | | 20 | 1.9 | 40.6 | 345 | 114 | 8.23 | 8.27 | 0.01 | |
| 04 | GLR | EPU | 8 6 49.05 | | | | 21 | 2.0 | 61.3 | 7 | 108 | 10.63 | 10.81 | -0.03 | |
| 04 | BMT | EPU | 8 6 51.21 | | | | 21 | 2.1 | 80.4 | 331 | 53 | 12.79 | 13.31 | -0.92 | |
| 04 | GMR | EPU | 8 6 52.35 | | | | 18 | 1.9 | 81.2 | 21 | 53 | 13.93 | 13.42 | 0.51 | |
| 04 | SGV | EPU | 8 6 51.81 | | | | 29 | 2.4 | 91.3 | 290 | 53 | 13.39 | 14.73 | -1.34 | |

NOV H = 9 46 15.77 UTC RMS = 0.15 NO = 4
05 LAT = 37.143 N ERX = ERH = AVFM = 2.4 Q = C
LONG = 115.080 W ERY = GAP = 345 AVXM = QS = B
DEPTH = 1.53 KM ERZ = NM = QD = D

FREE DEPTH SOLUTION
ALAMO

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 | MCY | EPU | 9 46 32.44 | | | | 33 | 2.5 | 101.0 | 238 | 38 | 16.67 | 16.81 | -0.15 |
| 05 | LOP | EPU | 9 46 33.72 | | | | 24 | 2.3 | 108.7 | 253 | 39 | 17.95 | 18.07 | -0.12 |
| 05 | LSM | EPU | 9 46 36.15 | | | | 24 | 2.3 | 121.9 | 246 | 38 | 20.38 | 20.21 | 0.17 |
| 05 | SDM | EPU | 9 46 37.70 | | | | 28 | 2.5 | 131.4 | 245 | 38 | 21.93 | 21.76 | 0.17 |

NOV H = 5 52 31.89 UTC RMS = 0.15 NO = 6
06 LAT = 36.796 N ERX = 1.9 ERH = 2.3 AVFM = 1.6 Q = D
LONG = 115.996 W ERY = 1.3 GAP = 191 AVXM = QS = C
DEPTH = 1.77 KM ERZ = 254.2 NM = QD = D

FREE DEPTH SOLUTION
MERCURY

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | MCY | EPU | 5 52 34.70 | | | | 24 | 1.9 | 15.2 | 169 | 90 | 2.81 | 2.82 | -0.01 |
| 06 | CPX | EPU | 5 52 34.70 | | | | 11 | 1.3 | 15.8 | 339 | 90 | 2.81 | 2.93 | -0.11 |
| 06 | LCP | EPU | 5 52 34.80 | | | | 24 | 1.9 | 16.8 | 293 | 90 | 2.91 | 3.08 | -0.17 |
| 06 | SPRG | EPD4 | 5 52 38.79 | | | | 11 | 1.3 | 20.0 | 124 | 90 | 6.90 | 3.60 | 3.30 |
| 06 | LSM | EPD | 5 52 36.25 | | | | 30 | 2.2 | 25.6 | 256 | 90 | 4.34 | 6.52 | -0.15 |
| 06 | CCM1 | EPD | 5 52 37.34 | | | | 11 | 1.3 | 29.8 | 244 | 90 | 5.45 | 5.19 | 0.26 |
| 06 | BGB | EPD | 5 52 38.10 | | | | 14 | 1.5 | 34.0 | 322 | 90 | 6.21 | 5.88 | 0.39 |

NOV H = 10 41 21.81 UTC RMS = 0.07 NO = 6
06 LAT = 36.712 N ERX = 0.3 ERH = 0.8 AVFM = 1.5 Q = C
LONG = 115.931 W ERY = 0.8 GAP = 126 AVXM = QS = C
DEPTH = 2.80 KM ERZ = 6.8 NM = QD = B

FREE DEPTH SOLUTION
MERCURY

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | MCY | IPD | 10 41 23.23 | | | | 32 | 2.2 | 6.2 | 206 | 165 | 1.42 | 1.39 | 0.03 |



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| NOV 1988 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEPTH = 5.00 KM | | | ERZ = | | NM = | | | | | | GO = D | | | | |
| 09 | MCY | EPD | 13 54 38.55 | | | | | | 26 | 2.0 | 13.2 | 160 | 105 | 2.58 | 2.48 | 0.00 |
| 09 | LOP | EPU | 13 54 39.05 | | | | | | 18 | 1.7 | 16.4 | 303 | 102 | 3.08 | 3.08 | 0.01 |
| 09 | LSM | EPD | 13 58 40.15 | | | | | | 20 | 1.8 | 23.4 | 261 | 99 | 4.19 | 4.19 | -0.01 |

NOV M = 1 03 51.42 UTC RMS = 0.00 NO = 3 — FIXED DEPTH SOLUTION
11 LAT = 36.738 N ERX = ERM = AVFM = 1.6 Q = C — DEPTH CONTROL INADEQUATE
LONG = 116.235 W ERY = GAP = 162 AVXM = QS = A — LATHROP WELLS
DEPTH = 5.00 KM ERZ = NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | LSM | IPD | 1 03 52.59 | | | | | | 21 | 1.8 | 3.3 | 271 | 142 | 1.17 | 1.17 | -0.00 |
| 11 | LCP | EPD | 1 03 54.19 | | | | | | 15 | 1.5 | 14.2 | 25 | 104 | 2.73 | 2.73 | 0.00 |
| 11 | MCY | EPU | 1 03 56.01 | | | | | | 16 | 1.6 | 25.8 | 109 | 98 | 4.59 | 4.59 | -0.00 |

NOV M = 8 33 4.01 UTC RMS = 0.36 NO = 19 — FIXED DEPTH SOLUTION
11 LAT = 37.302 N ERX = 1.1 ERM = 1.4 AVFM = 2.8 Q = C — DEPTH CONTROL INADEQUATE
LONG = 116.466 W ERY = 0.9 GAP = 81 AVXM = QS = C — SILENT CANYON - NORTH
DEPTH = 4.76 KM ERZ = 3.1 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | BPT | IPD4 | 8 33 15.00 | | | | | | 60 | 2.7 | 6.4 | 251 | 120 | 10.99 | 1.52 | 9.07 |
| 11 | EPN | IPU | 8 33 7.32 | | | | | | 72 | 2.9 | 16.0 | 128 | 102 | 3.31 | 3.00 | 0.32 |
| 11 | BLT | IPD | 8 33 9.85 | | | | | | 56 | 2.7 | 34.2 | 59 | 95 | 5.04 | 5.94 | -0.10 |
| 11 | BGB | IPU | 8 33 10.22 | | | | | | 41 | 2.5 | 36.2 | 144 | 95 | 6.21 | 6.20 | 0.01 |
| 11 | CTS | IPU4 | 8 33 8.45 | | | | | | 55 | 2.8 | 44.0 | 329 | 94 | 4.44 | 7.52 | -3.07 |
| 11 | SSP | IPD | 8 33 12.17 | | | | | | | | 47.3 | 152 | 94 | 6.16 | 8.06 | 0.11 |
| 11 | CPX | IPD | 8 33 12.97 | | | | | | 36 | 2.4 | 55.0 | 139 | 93 | 8.96 | 9.32 | -0.35 |
| 11 | LOP | EPU | 8 33 13.15 | | | | | | 65 | 3.0 | 56.4 | 152 | 93 | 9.14 | 9.53 | -0.39 |
| 11 | BRD | IPD | 8 33 14.12 | | | | | | 50 | 2.7 | 61.5 | 193 | 93 | 10.11 | 10.37 | -0.26 |
| 11 | GPR | EPU | 8 33 14.00 | | | | | | 41 | 2.6 | 61.7 | 87 | 93 | 9.99 | 10.40 | -0.41 |
| 11 | LSM | EPU | 8 33 15.21 | | | | | | 72 | 3.1 | 64.8 | 165 | 93 | 11.20 | 10.91 | 0.29 |
| 11 | OCS | EPU | 8 33 15.52 | | | | | | 40 | 2.6 | 70.9 | 43 | 93 | 11.51 | 11.90 | -0.39 |
| 11 | SDM | EPD4 | 8 33 17.61 | | | | | | 51 | 2.8 | 73.8 | 171 | 92 | 13.60 | 12.36 | 1.24 |
| 11 | TPU | EPD2 | 8 33 17.92 | | | | | | 53 | 2.9 | 79.7 | 65 | 92 | 13.91 | 13.32 | 0.60 |
| 11 | RVE | EPU4 | 8 33 15.45 | | | | | | 39 | 2.6 | 83.2 | 17 | 92 | 11.44 | 13.90 | -2.45 |
| 11 | MCY | EPD4 | 8 33 17.00 | | | | | | 67 | 3.1 | 84.1 | 168 | 92 | 12.99 | 14.03 | -1.04 |
| 11 | MGM | EPD | 8 33 18.73 | | | | | | 41 | 2.7 | 92.5 | 280 | 92 | 14.72 | 15.41 | -0.69 |
| 11 | APR | EPD4 | 8 33 21.61 | | | | | | 52 | 2.9 | 100.4 | 180 | 92 | 17.60 | 16.69 | 0.91 |
| 11 | JCM | EPD2 | 8 33 21.40 | | | | | | 48 | 2.8 | 101.0 | 161 | 92 | 17.39 | 16.79 | 0.60 |
| 11 | MCA | IPD2 | 8 33 21.70 | | | | | | 39 | 2.7 | 102.6 | 225 | 92 | 17.69 | 17.05 | 0.64 |
| 11 | TNP | EP | 8 33 22.40 | | | | | | 50 | 2.9 | 109.0 | 323 | 92 | 18.39 | 15.10 | 0.29 |
| 11 | MTI | EPD | 8 33 23.11 | | | | | | 42 | 2.8 | 113.4 | 69 | 92 | 19.10 | 18.81 | 0.49 |
| 11 | PRN | IPD | 8 33 25.10 | | | | | | 60 | 3.1 | 125.9 | 85 | 53 | 21.09 | 20.81 | 0.29 |
| 11 | PPK | EPD4 | 8 33 26.30 | | | | | | 40 | 2.8 | 128.4 | 276 | 53 | 22.37 | 21.12 | 1.25 |
| 11 | WPN | EPU | 8 33 26.89 | | | | | | 79 | 3.4 | 140.7 | 74 | 53 | 22.88 | 22.72 | 0.16 |
| 11 | SMRG | EPU2 | 8 33 28.44 | | | | | | 41 | 2.9 | 146.6 | 127 | 53 | 24.43 | 23.44 | 0.99 |
| 11 | DLM | EPD4 | 8 33 29.90 | | | | | | 40 | 2.9 | 156.4 | 78 | 53 | 25.89 | 24.76 | 1.13 |

NOV M = 11 4 59.01 UTC RMS = 0.43 NO = 11 — FREE DEPTH SOLUTION
11 LAT = 37.279 N ERX = 1.1 ERM = 2.1 AVFM = 2.3 Q = C
LONG = 116.507 W ERY = 1.7 GAP = 111 AVXM = QS = C — THIRSTY CANYON
DEPTH = 9.03 KM ERZ = 8.4 NM = QD = B

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | EPN | IPD | 11 5 2.78 | | | | | | 45 | 2.5 | 17.0 | 114 | 114 | 3.77 | 3.50 | 0.26 |
| 11 | BGB | IPD | 11 5 5.02 | | | | | | 29 | 2.2 | 36.5 | 137 | 102 | 6.01 | 6.41 | 0.45 |
| 11 | BLT | EPD | 11 5 5.30 | | | | | | 29 | 2.2 | 38.7 | 58 | 101 | 6.29 | 6.76 | -0.47 |
| 11 | CTS | IPU | 11 5 7.37 | | | | | | 30 | 2.2 | 44.5 | 334 | 100 | 8.36 | 7.68 | 0.67 |
| 11 | KPNA | EPU | 11 5 7.50 | | | | | | 30 | 2.3 | 53.5 | 12 | 98 | 8.49 | 9.13 | -0.64 |
| 11 | CPX | EPD | 11 5 8.39 | | | | | | 15 | 1.7 | 55.7 | 134 | 98 | 9.38 | 9.49 | -0.11 |
| 11 | LSM | EPU3 | 11 5 9.00 | | | | | | 35 | 2.4 | 63.5 | 161 | 97 | 9.99 | 10.75 | -0.76 |
| 11 | GPR | EPU | 11 5 10.00 | | | | | | 23 | 2.1 | 65.6 | 85 | 97 | 10.99 | 11.08 | -0.09 |
| 11 | GPN | IPD | 11 5 10.47 | | | | | | 35 | 2.5 | 66.7 | 272 | 96 | 11.46 | 11.27 | 0.18 |
| | | ISD | 11 5 18.45 | | | | | | | | | | | 19.44 | 19.73 | -0.29 |
| 11 | SDM | EPD4 | 11 5 13.50 | | | | | | 31 | 2.4 | 71.9 | 168 | 96 | 14.49 | 12.10 | 2.38 |
| 11 | GVN | EPU4 | 11 5 14.31 | | | | | | 28 | 2.3 | 80.4 | 247 | 95 | 15.30 | 13.48 | 1.82 |
| 11 | MCY | EPD4 | 11 5 11.10 | | | | | | 31 | 2.4 | 84.0 | 145 | 95 | 12.09 | 14.06 | -1.97 |
| 11 | PPN | EPD3 | 11 5 20.92 | | | | | | 28 | 2.5 | 130.0 | 84 | 53 | 21.91 | 20.92 | 0.99 |

NOV M = 12 36 13.42 UTC RMS = 0.00 NO = 3 — FIXED DEPTH SOLUTION
11 LAT = 36.790 N ERX = ERM = AVFM = 2.0 Q = C — DEPTH CONTROL INADEQUATE
LONG = 116.248 W ERY = GAP = 130 AVXM = QS = A — LATHROP WELLS
DEPTH = 5.00 KM ERZ = NM = QD = D



9 0 0 8 1 4 0 2 5 7

1980 SOUTHERN GREAT BASIN
LOCAL-EVENT DATA REPORT

| NOV 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | SMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | BCS | EPD | 17 15 40.50 | | | | | | 75.4 | 3 | 38 | 12.99 | 12.80 | 0.20 | |
| 14 | FPT | EPD4 | 17 15 50.41 | | | | 253 | 4.2 | 80.1 | 235 | 39 | 20.90 | 14.85 | 6.15 | |
| 14 | PRN | IPU | 17 15 50.39 | | | | 295 | 4.4 | 88.6 | 67 | 38 | 14.68 | 14.93 | -0.85 | |
| 14 | APR | EPD | 17 15 50.10 | | | | | | 89.2 | 211 | 38 | 14.59 | 15.04 | -0.45 | |
| 14 | HTI | EPD4 | 17 15 51.31 | | | | 268 | 4.3 | 89.5 | 63 | 38 | 15.80 | 15.08 | 0.92 | |
| 14 | APK | EPU | 17 15 51.35 | | | | 290 | 4.4 | 92.3 | 158 | 38 | 15.84 | 15.54 | 0.30 | |
| 14 | SPRG | EPU | 17 15 51.93 | | | | 247 | 4.3 | 97.1 | 132 | 38 | 16.42 | 16.33 | 0.14 | |
| 14 | NOP | EPU | 17 15 53.50 | | | | | | 100.4 | 189 | 38 | 17.99 | 18.09 | -0.10 | |
| 14 | NPN | EPU2 | 17 15 54.70 | | | | 231 | 4.2 | 110.4 | 56 | 38 | 19.19 | 18.49 | 0.71 | |
| 14 | OLM | EPD4 | 17 15 57.05 | | | | 273 | 4.4 | 122.9 | 62 | 38 | 21.54 | 20.51 | 1.03 | |
| 14 | GVN | EPU4 | 17 15 57.06 | | | | 253 | 4.4 | 123.0 | 265 | 38 | 21.55 | 20.54 | 1.02 | |
| 14 | MCA | EPU2 | 17 15 57.32 | | | | 240 | 4.3 | 127.1 | 247 | 38 | 21.81 | 21.20 | 0.61 | |
| 14 | GSM | EPD4 | 17 16 0.67 | | | | | | 140.7 | 213 | 38 | 25.16 | 24.26 | 0.90 | |
| 14 | PPK | EPU | 17 16 3.50 | | | | 247 | 4.5 | 176.2 | 282 | 38 | 27.99 | 27.84 | 0.15 | |

NOV M = 3 15 6.81 UTC RMS = 0.08 NO = 16 — FREE DEPTH SOLUTION
19 LAT = 37.138 N ERX = 0.2 ERM = 0.3 AVFM = 2.3 Q = B
LONG = 116.591 W ERY = 0.2 GAP = 89 AVXM = QS = A — THIRSTY CANYON
DEPTH = 16.11 KM ERZ = 0.6 NM = QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | BPT | IPU4 | 3 15 11.19 | | | 43 | 2.5 | 17.3 | 17 | 131 | 2.38 | 4.86 | -2.07 | |
| 19 | EPN | IPD | 3 15 13.83 | | | 70 | 2.9 | 25.3 | 78 | 121 | 5.02 | 5.12 | -0.09 | |
| 19 | BGB | IPU | 3 15 15.07 | | | 36 | 2.4 | 34.0 | 108 | 114 | 6.26 | 6.38 | -0.06 | |
| 19 | CDM1 | IPD | 3 15 15.83 | | | 26 | 2.1 | 39.8 | 141 | 111 | 7.02 | 7.12 | -0.09 | |
| 19 | CDMS | EPD4 | 3 15 20.88 | | | 9 | 1.2 | 39.8 | 141 | 111 | 12.07 | 7.12 | 4.96 | |
| 19 | SSP | IPU | 3 15 16.20 | | | | | 40.5 | 125 | 110 | 7.39 | 7.35 | 0.04 | |
| 19 | SGV | IPD | 3 15 16.55 | | | 29 | 2.2 | 42.0 | 247 | 109 | 7.74 | 7.70 | 0.04 | |
| 19 | LDP | EPU | 3 15 17.57 | | | 50 | 2.7 | 48.9 | 130 | 107 | 8.76 | 8.65 | 0.12 | |
| 19 | LSM | EPU | 3 15 17.62 | | | 49 | 2.7 | 52.3 | 147 | 106 | 8.81 | 9.18 | -0.37 | |
| 19 | BLT | EPD | 3 15 18.58 | | | 29 | 2.2 | 54.7 | 46 | 105 | 9.69 | 9.50 | 0.20 | |
| | | ESD | 3 15 25.44 | | | | | | | | 16.63 | 15.62 | 0.01 | |
| 19 | CIB | IPU | 3 15 18.67 | | | 38 | 2.3 | 57.4 | 348 | 106 | 9.86 | 9.97 | -0.11 | |
| 19 | SDM | EPD | 3 15 19.00 | | | 35 | 2.4 | 58.6 | 157 | 104 | 10.19 | 10.19 | -0.00 | |
| 19 | GPN | EPU4 | 3 15 24.84 | | | 21 | 2.0 | 62.1 | 287 | 103 | 16.03 | 10.73 | 5.30 | |
| 19 | GVN | IPU | 3 15 20.53 | | | 30 | 2.3 | 68.0 | 258 | 102 | 11.72 | 11.73 | -0.00 | |
| | | ISU | 3 15 29.19 | | | | | | | | 20.58 | 20.52 | 0.07 | |
| 19 | KPNA | EPD | 3 15 20.95 | | | 40 | 2.6 | 70.8 | 15 | 102 | 12.14 | 12.11 | 0.04 | |
| 19 | MCY | EPU | 3 15 21.80 | | | 48 | 2.8 | 76.8 | 133 | 101 | 12.99 | 13.06 | -0.06 | |
| 19 | MGM | EPU | 3 15 23.45 | | | 16 | 1.8 | 87.2 | 293 | 53 | 14.64 | 14.67 | -0.02 | |

NOV M = 8 43 56.49 UTC RMS = 0.20 NO = 14 — FIXED DEPTH SOLUTION
19 LAT = 37.219 N ERX = 0.5 ERM = 0.9 AVFM = 2.4 Q = C — DEPTH CONTROL INADEQUATE
LONG = 115.635 W ERY = 0.7 GAP = 107 AVXM = QS = C — GROOM LAKE
DEPTH = 5.00 KM ERZ = 21.6 NM = QD = C

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | GLR | EPU | 8 44 2.46 | | | | | 34.1 | 266 | 96 | 5.97 | 5.92 | 0.20 | |
| 19 | EPR | EPU | 8 44 3.21 | | | 39 | 2.5 | 40.2 | 98 | 95 | 6.72 | 6.91 | -0.19 | |
| 19 | BLT | EPD | 8 44 4.97 | | | | | 51.9 | 301 | 94 | 8.48 | 8.80 | -0.32 | |
| 19 | PRN | IPD | 8 44 6.16 | | | 29 | 2.3 | 55.9 | 46 | 93 | 9.65 | 9.45 | 0.20 | |
| 19 | BGB | EPD4 | 8 44 6.59 | | | 22 | 2.0 | 56.6 | 289 | 93 | 10.10 | 9.55 | 0.60 | |
| 19 | EPN | EPD | 8 44 7.06 | | | | | 61.2 | 269 | 93 | 10.57 | 10.32 | 0.25 | |
| | | | | | | | | 62.4 | 229 | 93 | 10.82 | 10.51 | 0.31 | |
| 19 | LDP | EPD | 8 44 7.31 | | | 46 | 2.7 | 68.8 | 205 | 93 | 11.41 | 11.50 | -0.08 | |
| 19 | MCY | EPU | 8 44 7.90 | | | 19 | 1.9 | 72.7 | 237 | 93 | 13.12 | 12.19 | 0.93 | |
| 19 | CDM1 | EPD4 | 8 44 9.61 | | | 44 | 2.7 | 77.9 | 227 | 92 | 12.91 | 13.03 | -0.11 | |
| 19 | LSM | EPD | 8 44 9.80 | | | 38 | 2.6 | 78.3 | 52 | 92 | 13.01 | 13.09 | -0.08 | |
| 19 | NPN | EPD | 8 44 9.50 | | | 22 | 2.1 | 80.0 | 275 | 92 | 14.07 | 13.38 | 0.29 | |
| 19 | BPT | EPU | 8 44 10.56 | | | 34 | 2.5 | 88.4 | 312 | 92 | 14.73 | 14.74 | -0.01 | |
| 19 | KRNA | EPD | 8 44 11.22 | | | | | | | | 25.26 | 25.80 | -0.54 | |
| | | ESD | 8 44 21.75 | | | 37 | 2.6 | 89.8 | 34 | 92 | 14.93 | 14.83 | 0.10 | |
| 19 | SRG | EPD | 8 44 11.82 | | | | | 89.4 | 225 | 92 | 16.41 | 14.90 | 1.51 | |
| 19 | SDM | EPD4 | 8 44 12.90 | | | 31 | 2.4 | 96.1 | 206 | 92 | 15.71 | 15.99 | -0.28 | |
| 19 | JDM | EPU | 8 44 12.20 | | | 34 | 2.6 | 129.7 | 201 | 53 | 23.49 | 21.27 | 2.22 | |
| 19 | NOP | EPD4 | 8 44 19.98 | | | | | | | | | | | |

NOV M = 9 2 41.18 UTC RMS = 0.17 NO = 5 — FREE DEPTH SOLUTION
19 LAT = 36.613 N ERX = 3.4 ERM = 3.8 AVFM = 1.8 Q = D
LONG = 116.250 W ERY = 1.8 GAP = 207 AVXM = QS = C — LATHROP WELLS
DEPTH = 9.18 KM ERZ = 9.2 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | LSM | IPU | 9 2 44.04 | | | 25 | 2.0 | 14.1 | 352 | 120 | 2.46 | 2.97 | -0.11 | |
| 19 | JDM | IPU | 9 2 45.45 | | | 18 | 1.7 | 23.3 | 146 | 109 | 4.27 | 4.34 | -0.07 | |
| 19 | MCY | IPU | 9 2 46.08 | | | 30 | 2.2 | 26.3 | 78 | 107 | 4.90 | 4.81 | 0.09 | |
| 19 | BGB | EPU | 9 2 49.63 | | | 12 | 1.5 | 47.2 | 2 | 99 | 8.45 | 8.12 | 0.38 | |



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1989 SOUTHERN GREAT BASIN
LOCAL-EVENT DATA REPORT

| NOV 1989 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

NOV M = 22 6 32.31 UTC RMS = 0.24 NO = 16
22 LAT = 36.535 N ERX = 1.0 ERM = 1.5 AVFM = 1.9 Q = C
LONG = 115.415 W ERY = 1.0 GAP = 120 AVXM = QS = C
DEPTH = 9.37 KM ERZ = 7.3 NM = QD = C

FREE DEPTH SOLUTION
MERCURY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | MCY | IPU | 22 | 6 | 36.00 | 29 | 2.1 | 19.3 | 317 | 113 | 3.69 | 3.74 | -0.06 | | |
| 22 | JON | EPD | 22 | 6 | 37.07 | 18 | 1.7 | 27.9 | 268 | 104 | 4.76 | 5.06 | -0.31 | | |
| 22 | APK | IPD | 22 | 6 | 38.55 | | | 32.2 | 138 | 104 | 6.24 | 5.74 | 0.50 | | |
| 22 | LSM | EPD | 22 | 6 | 40.51 | 23 | 2.0 | 46.7 | 299 | 100 | 8.20 | 8.06 | 0.14 | | |
| 22 | LOP | IPD | 22 | 6 | 40.62 | 24 | 2.1 | 47.4 | 316 | 99 | 8.31 | 8.17 | 0.14 | | |
| 22 | LOP | IPD | 22 | 6 | 40.62 | 20 | 2.1 | 47.4 | 316 | 99 | 8.31 | 8.17 | 0.14 | | |
| 22 | SDM | EPU | 22 | 6 | 40.70 | 19 | 1.9 | 48.8 | 285 | 99 | 8.39 | 8.32 | 0.06 | | |
| 22 | CPX | EPD | 22 | 6 | 40.76 | | | 48.8 | 336 | 99 | 8.45 | 8.39 | 0.05 | | |
| 22 | NGP | EPU | 22 | 6 | 41.38 | 12 | 1.5 | 56.4 | 214 | 99 | 9.03 | 9.28 | -0.26 | | |
| 22 | SMRG | IPU | 22 | 6 | 41.99 | | | 59.2 | 93 | 99 | 9.64 | 10.04 | -0.38 | | |

NOV M = 1 11 46.51 UTC RMS = 0.23 NO = 7
23 LAT = 37.170 N ERX = 2.9 ERM = 3.2 AVFM = 2.1 Q = D
LONG = 116.682 W ERY = 1.6 GAP = 216 AVXM = QS = C
DEPTH = 6.57 KM ERZ = 4.2 NM = QD = D

FREE DEPTH SOLUTION
DELAMAR MOUNTAINS

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | PRN | EPU | 1 | 11 | 52.11 | 32 | 2.3 | 41.9 | 309 | 94 | 7.60 | 7.18 | 0.42 | | |
| 23 | EPR | EPD | 1 | 11 | 52.02 | 34 | 2.3 | 46.8 | 270 | 94 | 7.51 | 7.66 | -0.15 | | |
| 23 | OLM | EPD | 1 | 11 | 52.54 | 20 | 1.9 | 48.6 | 354 | 93 | 8.03 | 8.27 | -0.24 | | |
| 23 | NPN | EPD | 1 | 11 | 54.40 | 22 | 2.0 | 59.1 | 337 | 93 | 9.89 | 9.81 | 0.08 | | |
| 23 | MTI | EPU4 | 1 | 11 | 58.40 | 32 | 2.4 | 76.8 | 317 | 92 | 13.89 | 12.85 | 1.24 | | |
| 23 | SMRG | EPD | 1 | 11 | 58.80 | 13 | 1.7 | 85.1 | 210 | 92 | 14.29 | 14.21 | 0.13 | | |
| 23 | SRG | EPD4 | 1 | 12 | 0.10 | 28 | 2.3 | 86.1 | 337 | 92 | 15.59 | 14.36 | 1.23 | | |
| 23 | TPU | EPU | 1 | 12 | 0.51 | 22 | 2.2 | 98.7 | 299 | 92 | 16.00 | 16.36 | -0.35 | | |
| 23 | MCY | EPD | 1 | 12 | 5.61 | 18 | 2.1 | 127.3 | 244 | 53 | 21.10 | 21.01 | 0.09 | | |
| 23 | LCP | EPD4 | 1 | 12 | 9.01 | 16 | 1.9 | 136.7 | 255 | 53 | 24.50 | 22.24 | 2.26 | | |
| 23 | SSP | EPD4 | 1 | 12 | 11.11 | 17 | 2.1 | 139.5 | 259 | 53 | 26.60 | 22.59 | 4.01 | | |
| 23 | LSM | EPU4 | 1 | 12 | 9.81 | 14 | 1.9 | 149.4 | 251 | 53 | 25.30 | 23.88 | 1.42 | | |
| 23 | JCN | EPU4 | 1 | 12 | 10.52 | 15 | 2.0 | 150.6 | 237 | 53 | 26.01 | 24.02 | 1.99 | | |
| 23 | SCM | EPU4 | 1 | 12 | 15.65 | 16 | 2.1 | 158.7 | 248 | 53 | 31.34 | 25.09 | 6.25 | | |

NOV M = 2 57 24.19 UTC RMS = 0.16 NO = 12
23 LAT = 36.526 N ERX = 0.5 ERM = 0.7 AVFM = 2.3 Q = C
LONG = 115.545 W ERY = 0.5 GAP = 94 AVXM = QS = C
DEPTH = 0.36 KM ERZ = 20.5 NM = QD = C

FREE DEPTH SOLUTION
MERCURY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | APK | EP | 2 | 57 | 28.61 | 27 | 2.1 | 23.1 | 187 | 38 | 4.42 | 4.38 | 0.04 | | |
| 23 | SPRG | EPU1 | 2 | 57 | 29.20 | 27 | 2.1 | 30.1 | 308 | 38 | 5.01 | 5.53 | -0.51 | | |
| 23 | SMRG | EPU | 2 | 57 | 30.38 | 25 | 2.0 | 35.0 | 94 | 38 | 6.19 | 6.32 | -0.08 | | |
| 23 | MCY | IPU | 2 | 57 | 31.07 | 46 | 2.6 | 40.2 | 292 | 38 | 6.88 | 7.17 | -0.29 | | |
| 23 | CPX | EPU | 2 | 57 | 35.30 | 15 | 1.7 | 60.1 | 314 | 38 | 11.11 | 11.04 | 0.07 | | |
| 23 | LCP | EPU | 2 | 57 | 35.50 | 39 | 2.5 | 66.5 | 303 | 38 | 11.31 | 11.44 | -0.13 | | |
| 23 | LSM | EPU | 2 | 57 | 35.95 | 48 | 2.6 | 69.2 | 290 | 38 | 11.76 | 11.88 | -0.12 | | |
| 23 | SCM | EPU | 2 | 57 | 36.50 | 23 | 2.1 | 72.2 | 291 | 38 | 12.31 | 12.37 | -0.06 | | |
| 23 | GLR | EPD | 2 | 57 | 38.75 | 20 | 2.0 | 85.8 | 331 | 38 | 14.56 | 14.58 | 0.13 | | |
| 23 | BRO | EPU4 | 2 | 57 | 41.71 | 9 | 1.8 | 100.2 | 285 | 38 | 17.52 | 16.92 | 0.60 | | |
| 23 | PRN | EPU4 | 2 | 57 | 43.11 | 32 | 2.5 | 107.2 | 24 | 39 | 18.92 | 18.87 | 0.05 | | |
| 23 | BMT | EPU | 2 | 57 | 45.24 | 34 | 2.6 | 121.8 | 314 | 38 | 21.05 | 20.83 | 0.22 | | |
| 23 | MTI | EPU | 2 | 57 | 46.15 | 25 | 2.4 | 130.0 | 11 | 38 | 21.96 | 21.76 | 0.40 | | |
| 23 | NPN | EPU8 | 2 | 57 | 47.57 | 31 | 2.6 | 136.2 | 23 | 38 | 23.38 | 22.75 | 0.63 | | |
| 23 | SGV | EPD4 | 2 | 57 | 48.55 | 33 | 2.7 | 142.0 | 291 | 38 | 24.36 | 23.50 | 0.86 | | |
| 23 | GVN | EPU4 | 2 | 57 | 53.00 | 35 | 2.8 | 168.9 | 288 | 38 | 28.81 | 26.99 | 1.82 | | |
| 23 | MZP | EPD4 | 2 | 57 | 53.74 | 15 | 2.2 | 209.0 | 309 | 38 | 29.55 | 32.21 | -2.66 | | |

NOV M = 4 48 24.68 UTC RMS = 0.22 NO = 12
23 LAT = 36.531 N ERX = 0.4 ERM = 0.6 AVFM = 2.3 Q = C
LONG = 115.554 W ERY = 0.5 GAP = 90 AVXM = QS = C
DEPTH = 0.31 KM ERZ = 9.0 NM = QD = C

FREE DEPTH SOLUTION
MERCURY

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23 | APK | EPD | 4 | 48 | 33.05 | 23 | 1.9 | 23.5 | 188 | 38 | 4.45 | 4.46 | -0.02 | | |
| 23 | SPRG | EPU4 | 4 | 48 | 35.23 | 23 | 2.0 | 29.2 | 308 | 38 | 6.63 | 5.38 | 1.25 | | |
| 23 | SMRG | EPD | 4 | 48 | 34.95 | 20 | 1.9 | 35.9 | 95 | 38 | 6.35 | 6.47 | -0.07 | | |
| 23 | MCY | IPU | 4 | 48 | 35.30 | 37 | 2.4 | 39.3 | 292 | 38 | 6.70 | 7.03 | -0.33 | | |
| 23 | JCN | EPU | 4 | 48 | 37.45 | 30 | 2.3 | 50.2 | 258 | 38 | 8.85 | 8.80 | 0.05 | | |
| 23 | CPX | EPD | 4 | 48 | 39.50 | 15 | 1.7 | 61.1 | 314 | 38 | 10.90 | 10.90 | -0.00 | | |
| 23 | LCP | EPD | 4 | 48 | 39.90 | 30 | 2.3 | 65.5 | 303 | 38 | 11.30 | 11.29 | 0.00 | | |
| 23 | LSM | EPU3 | 4 | 48 | 39.80 | 29 | 2.3 | 68.3 | 290 | 38 | 11.20 | 11.74 | -0.54 | | |
| 23 | SCM | EPU | 4 | 48 | 40.80 | 25 | 2.2 | 71.3 | 280 | 38 | 12.20 | 12.23 | -0.04 | | |
| 23 | NPN | EPU4 | 4 | 48 | 48.21 | 35 | 2.6 | 167.1 | 25 | 38 | 19.61 | 18.05 | 1.55 | | |
| 23 | BMT | EPD4 | 4 | 48 | 50.80 | 33 | 2.6 | 120.8 | 314 | 38 | 22.20 | 20.29 | 1.51 | | |



90814 0259

1980 SOUTHERN GREAT BASIN
LOCAL-EVENT DATA REPORT

| NOV 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV M = 11 12 45.06 UTC RMS = 0.07 NO = 5<br>26 LAT = 36.150 N ERX = 2.3 ERM = 5.7 AVFM = 2.6 Q = D<br>LONG = 117.505 W ERY = 5.3 GAP = 285 AVXM = QS = D<br>DEPTH = 5.00 KM ERZ = 3.6 NM = QD = D | | | | | | | | | | | | | | | FIXED DEPTH SOLUTION<br>DEPTH CONTROL INADEQUATE<br>DARWIN |
| 26 | BGV | EPD | 11 13 1.60 | | | | | | 30 | 2.6 | 100.7 | 25 | 92 | 16.74 | 16.74 | 0.01 |
| 26 | LCM | EPD | 11 13 4.95 | | | | | | 35 | 2.6 | 120.2 | 354 | 92 | 19.89 | 19.91 | -0.02 |
| 26 | GPM | EPU4 | 11 13 7.21 | | | | | | 8 | 1.4 | 128.6 | 10 | 53 | 22.15 | 21.14 | 1.02 |
| 26 | BPT | EPU | 11 13 9.62 | | | | | | 29 | 2.6 | 152.1 | 35 | 53 | 24.56 | 24.18 | -0.02 |
| 26 | CPX | EPD3 | 11 13 10.00 | | | | | | 41 | 2.9 | 155.3 | 57 | 53 | 24.94 | 24.60 | 0.35 |
| 26 | SPRG | EPD | 11 13 10.45 | | | | | | 42 | 2.9 | 163.3 | 69 | 53 | 25.59 | 25.68 | -0.08 |
| 26 | SMRG | EPD4 | 11 13 10.49 | | | | | | 12 | 2.0 | 214.5 | 86 | 53 | 33.43 | 32.29 | 1.20 |
| NOV M = 11 24 33.94 UTC RMS = 0.12 NO = 5<br>26 LAT = 37.514 N ERX = 2.6 ERM = 3.3 AVFM = 1.9 Q = D<br>LONG = 116.343 W ERY = 1.9 GAP = 175 AVXM = QS = C<br>DEPTH = 5.00 KM ERZ = 43.0 NM = QD = D | | | | | | | | | | | | | | | FIXED DEPTH SOLUTION<br>DEPTH CONTROL INADEQUATE<br>QUARTZITE MOUNTAIN |
| 26 | BLT | EPU | 11 24 37.45 | | | | | | 14 | 1.5 | 19.3 | 108 | 100 | 3.51 | 3.56 | -0.03 |
| 26 | ARNA | EPU4 | 11 24 39.35 | | | | | | 15 | 1.6 | 26.4 | 353 | 97 | 5.41 | 4.69 | 0.72 |
| 26 | BPT | EPD0 | 11 24 39.53 | | | | | | 30 | 2.2 | 30.6 | 213 | 96 | 5.59 | 5.36 | -0.17 |
| 26 | EPN | EPU2 | 11 24 40.00 | | | | | | 30 | 2.2 | 33.3 | 177 | 96 | 6.06 | 5.79 | 0.27 |
| 26 | CTS | EPU | 11 24 40.32 | | | | | | 12 | 1.4 | 36.6 | 293 | 95 | 6.38 | 6.33 | 0.05 |
| 26 | SGV | EPD0 | 11 24 40.03 | | | | | | 30 | 2.4 | 85.1 | 226 | 92 | 14.09 | 14.20 | -0.11 |
| 26 | SPRG | EPU4 | 11 24 51.52 | | | | | | 26 | 2.3 | 102.6 | 152 | 92 | 17.58 | 17.05 | 0.53 |
| NOV M = 10 15 13.36 UTC RMS = 0.25 NO = 8<br>27 LAT = 36.438 N ERX = 1.8 ERM = 3.6 AVFM = 3.0 Q = C<br>LONG = 115.562 W ERY = 3.4 GAP = 116 AVXM = QS = C<br>DEPTH = 4.49 KM ERZ = 28.9 NM = QD = C | | | | | | | | | | | | | | | FREE DEPTH SOLUTION<br>CHARLESTON PEAK |
| 27 | APK | EPU | 10 15 15.93 | | | | | | 24 | 1.9 | 13.1 | 185 | 103 | 2.57 | 2.56 | 0.03 |
| 27 | SPRG | EPU | 10 15 19.21 | | | | | | 22 | 1.9 | 36.1 | 322 | 95 | 5.85 | 6.24 | -0.39 |
| 27 | SMRG | EPD | 10 15 19.75 | | | | | | 27 | 2.1 | 37.2 | 78 | 94 | 6.39 | 6.01 | 0.03 |
| 27 | MCY | EPU | 10 15 20.76 | | | | | | 27 | 2.1 | 43.7 | 305 | 94 | 7.40 | 7.47 | -0.07 |
| 27 | JON | EPU | 10 15 21.20 | | | | | | 20 | 1.9 | 48.6 | 270 | 93 | 7.84 | 8.26 | -0.43 |
| 27 | CPX | EPU | 10 15 25.32 | | | | | | 14 | 1.7 | 70.3 | 321 | 92 | 11.96 | 11.80 | 0.16 |
| 27 | LCP | EPU | 10 15 25.43 | | | | | | 24 | 2.1 | 71.3 | 310 | 92 | 12.07 | 11.95 | 0.12 |
| 27 | LSM | EPD4 | 10 15 26.43 | | | | | | 21 | 2.0 | 71.8 | 290 | 92 | 13.07 | 12.04 | 1.03 |
| 27 | SDM | EPD | 10 15 26.28 | | | | | | 17 | 1.8 | 73.3 | 288 | 92 | 12.92 | 12.28 | 0.63 |
| 27 | SSP | EPU4 | 10 15 28.22 | | | | | | 23 | 2.1 | 79.8 | 313 | 92 | 14.86 | 13.35 | 1.51 |
| 27 | SGV | EPU4 | 10 15 30.29 | | | | | | 32 | 2.6 | 144.6 | 295 | 53 | 24.93 | 23.26 | 1.67 |
| NOV M = 22 2 2.34 UTC RMS = 0.00 NO = 4<br>27 LAT = 36.871 N ERX = ERM = AVFM = 1.6 Q = C<br>LONG = 116.245 W ERY = GAP = 216 AVXM = QS = A<br>DEPTH = 6.31 KM ERZ = NM = QD = D | | | | | | | | | | | | | | | FREE DEPTH SOLUTION<br>LATHROP WELLS |
| 27 | SSP | IPD | 22 2 4.02 | | | | | | 16 | 1.6 | 6.8 | 21 | 130 | 1.68 | 1.68 | 0.00 |
| 27 | LCP | IPU | 22 2 4.11 | | | | | | 18 | 1.7 | 7.1 | 105 | 127 | 1.77 | 1.77 | -0.00 |
| 27 | MCY | EPD | 22 2 8.33 | | | | | | 19 | 1.8 | 34.3 | 133 | 98 | 5.99 | 5.98 | 0.00 |
| 27 | JON | EPU | 22 2 10.78 | | | | | | 9 | 1.2 | 69.5 | 165 | 95 | 8.44 | 8.44 | -0.00 |
| NOV M = 11 8 20.10 UTC RMS = 0.19 NO = 6<br>28 LAT = 36.856 N ERX = 3.1 ERM = 3.5 AVFM = 1.6 Q = D<br>LONG = 115.936 W ERY = 1.7 GAP = 227 AVXM = QS = C<br>DEPTH = 1.07 KM ERZ = 310.2 NM = QD = D | | | | | | | | | | | | | | | FREE DEPTH SOLUTION<br>MERCURY |
| 28 | LCP | EPU | 11 8 23.92 | | | | | | 19 | 1.8 | 20.6 | 269 | 38 | 3.82 | 3.83 | -0.01 |
| 28 | MCY | EPD | 11 8 24.00 | | | | | | 20 | 1.8 | 21.7 | 186 | 38 | 3.90 | 4.01 | -0.11 |
| 28 | SSP | EPD | 11 8 24.51 | | | | | | 12 | 1.4 | 26.3 | 297 | 38 | 4.41 | 4.76 | -0.35 |
| 28 | LSM | EPD | 11 8 26.00 | | | | | | 20 | 1.8 | 32.6 | 247 | 38 | 5.90 | 5.79 | 0.11 |
| 28 | JON | EPU | 11 8 28.00 | | | | | | 10 | 1.3 | 40.5 | 198 | 38 | 8.50 | 8.37 | 0.13 |
| 28 | EPN | EPD | 11 8 29.39 | | | | | | 11 | 1.4 | 52.6 | 319 | 38 | 9.29 | 9.04 | 0.25 |
| NOV M = 4 56 53.97 UTC RMS = 0.03 NO = 5<br>29 LAT = 36.760 N ERX = 0.4 ERM = 0.5 AVFM = 1.6 Q = C<br>LONG = 116.273 W ERY = 0.3 GAP = 198 AVXM = QS = A<br>DEPTH = 3.50 KM ERZ = 0.7 NM = QD = D | | | | | | | | | | | | | | | FREE DEPTH SOLUTION<br>LATHROP WELLS |
| 29 | LSM | IPD | 4 56 54.65 | | | | | | 25 | 1.9 | 2.4 | 176 | 138 | 0.88 | 0.88 | 0.00 |
| 29 | SDM | EPD | 4 56 56.20 | | | | | | 11 | 1.3 | 10.0 | 206 | 98 | 2.63 | 2.65 | -0.01 |
| 29 | LCP | EPU | 4 56 56.25 | | | | | | 18 | 1.7 | 10.1 | 42 | 98 | 2.68 | 2.66 | 0.02 |

| DEC 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ESU | 6 31 15.40 | | | | | | | | | 12.47 | 12.34 | 0.13 | |

DEC M = 0 40 35.65 UTC RMS = 0.23 NO = 11 — FREE DEPTH SOLUTION
04 LAT = 38.289 N ERX = 2.2 ERM = 4.2 AVFM = 3.0 Q = D
LONG = 117.196 W ERY = 3.6 GAP = 204 AVXM = QS = C TONOPAH
DEPTH = 6.39 KM ERZ = 3.3 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | MZP | EPD | 0 40 46.06 | 34 | 2.8 | 67.3 | 194 | 94 | 10.01 | 11.33 | -0.33 | | | |
| 04 | SVP | EPU | 0 40 49.75 | 40 | 2.6 | 83.0 | 220 | 93 | 14.10 | 13.96 | 0.09 | | | |
| 04 | GPN | EPD | 0 40 54.25 | 46 | 2.8 | 109.9 | 183 | 92 | 18.60 | 18.24 | 0.36 | | | |
| 04 | SEV | EPD | 0 40 58.06 | 45 | 2.9 | 145.9 | 174 | 93 | 23.21 | 23.24 | -0.03 | | | |
| 04 | TPU | EPD | 0 41 0.13 | 41 | 2.9 | 155.8 | 119 | 53 | 24.48 | 24.53 | -0.05 | | | |
| 04 | CLR | IPD | 0 41 0.62 | 37 | 2.8 | 159.5 | 139 | 53 | 24.97 | 25.01 | 0.12 | | | |
| 04 | BGB | EPD | 0 41 1.20 | 47 | 3.0 | 163.0 | 148 | 53 | 25.55 | 25.47 | 0.13 | | | |
| 04 | CDM1 | EPD | 0 41 2.60 | 43 | 3.0 | 176.5 | 154 | 53 | 26.95 | 27.22 | -0.27 | | | |
| 04 | HTI | EPD | 0 41 3.40 | 48 | 3.1 | 182.1 | 112 | 53 | 27.75 | 27.95 | 0.01 | | | |
| 04 | SRG | IPU | 0 41 5.06 | 59 | 3.3 | 192.1 | 194 | 53 | 29.41 | 29.24 | 0.17 | | | |
| 04 | NPN | EPU | 0 41 7.10 | 57 | 3.4 | 219.6 | 110 | 53 | 31.45 | 31.65 | -0.20 | | | |

DEC M = 6 46 35.11 UTC RMS = 0.09 NO = 10 — FREE DEPTH SOLUTION
06 LAT = 37.374 N ERX = 0.5 ERM = 0.6 AVFM = 2.6 Q = B
LONG = 115.127 W ERY = 0.3 GAP = 119 AVXM = QS = A ALANO
DEPTH = 5.20 KM ERZ = 1.8 NM = QD = B

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | PRN | IPD | 6 46 36.90 | 65 | 2.8 | 7.8 | 62 | 118 | 1.79 | 1.76 | 0.03 | | | |
| 06 | EPR | EPD | 6 46 39.22 | 68 | 2.8 | 23.4 | 193 | 94 | 4.11 | 4.28 | -0.09 | | | |
| 06 | APN | EPD | 6 46 41.10 | 38 | 2.8 | 35.[illegible] | 29 | 96 | 5.99 | 6.10 | -0.11 | | | |



| DEC 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | HTI | EPU | 6 46 41.12 | 33 | 2.3 | 35.9 | 339 | 96 | 6.01 | 6.22 | -0.01 | | | | |
| 06 | DLM | EPU | 6 46 42.50 | 27 | 2.1 | 42.9 | 53 | 95 | 7.39 | 7.35 | 0.04 | | | | |
| 06 | TPU | EPD | 6 46 46.07 | 31 | 2.3 | 52.8 | 299 | 94 | 8.96 | 8.95 | 0.01 | | | | |
| 06 | SMRG | EPU | 6 46 51.20 | 37 | 2.6 | 96.6 | 181 | 92 | 16.09 | 16.07 | 0.07 | | | | |
| | | ESD6 | 6 47 6.19 | | | | | | 31.08 | 24.03 | 3.05 | | | | |
| 06 | SPRG | EPU | 6 46 51.17 | 41 | 2.7 | 96.9 | 219 | 92 | 16.06 | 16.12 | -0.06 | | | | |
| 06 | EPN | EPU2 | 6 46 54.00 | 46 | 2.8 | 107.5 | 260 | 92 | 18.89 | 17.85 | 1.04 | | | | |
| 06 | MCY | EPD | 6 46 53.40 | 44 | 2.8 | 108.5 | 223 | 92 | 18.29 | 18.01 | 0.28 | | | | |
| 06 | LOP | EPU4 | 6 46 54.67 | 42 | 2.8 | 109.0 | 230 | 92 | 19.56 | 18.09 | 1.47 | | | | |
| 06 | SSP | EPD4 | 6 46 54.40 | 43 | 2.8 | 109.1 | 243 | 92 | 19.29 | 18.10 | 1.19 | | | | |
| 06 | KRNA | EPU | 6 46 54.95 | 38 | 2.7 | 118.3 | 291 | 92 | 19.84 | 19.60 | 0.24 | | | | |
| 06 | LSM | EPD | 6 46 56.44 | 45 | 2.9 | 123.8 | 235 | 53 | 21.33 | 20.49 | 0.85 | | | | |

DEC M = 20 5 13.69 UTC RMS = 0.02 NO = 3 — FIXED DEPTH SOLUTION
08 LAT = 36.794 N ERX = ERM = AVFM = 1.5 Q = C DEPTH CONTROL INADEQUATE
LONG = 115.480 W ERY = GAP = 157 AVXM = QS = A HATFORD PEAK
DEPTH = 5.00 KM ERZ = NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | EPR | EPU | 20 5 22.03 | 16 | 1.7 | 49.1 | 32 | 94 | 8.34 | 8.36 | -0.02 | | | |
| 08 | APK | EPU | 20 5 22.72 | 10 | 1.3 | 53.3 | 189 | 94 | 9.03 | 9.04 | -0.01 | | | |
| 08 | CPX | EPU | 20 5 22.81 | 12 | 1.5 | 53.6 | 286 | 94 | 9.12 | 9.09 | 0.03 | | | |

DEC M = 19 34 47.37 UTC RMS = 0.28 NO = 12 — FREE DEPTH SOLUTION
10 LAT = 38.214 N ERX = 1.8 ERM = 4.3 AVFM = 2.7 Q = D
LONG = 117.235 W ERY = 3.9 GAP = 249 AVXM = QS = C TONOPAH
DEPTH = 0.10 KM ERZ = 11.9 NM = QD = D

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | KRNA | EPD | 19 35 3.08 | 37 | 2.6 | 91.0 | 124 | 38 | 15.63 | 15.48 | 0.15 | | | |
| 10 | RVE | EPD | 19 35 3.15 | 30 | 2.4 | 94.0 | 103 | 38 | 15.78 | 15.97 | -0.19 | | | |
| 10 | GPN | EPD | 19 35 4.14 | 30 | 2.4 | 101.5 | 181 | 38 | 16.77 | 17.18 | -0.41 | | | |
| 10 | PPK | EPD | 19 35 5.12 | 25 | 2.3 | 105.6 | 214 | 38 | 17.75 | 17.85 | -0.10 | | | |
| 10 | LCM | EPD | 19 35 6.93 | | | 110.6 | 198 | 38 | 19.56 | 19.32 | 0.24 | | | |
| 10 | BPT | EPU | 19 35 7.82 | 42 | 2.8 | 120.4 | 149 | 38 | 20.45 | 20.26 | -0.21 | | | |
| 10 | OCS | EPU | 19 35 8.95 | 28 | 2.5 | 126.0 | 113 | 39 | 21.58 | 21.17 | 0.41 | | | |
| 10 | BLT | EPU | 19 35 9.05 | 42 | 2.8 | 127.9 | 131 | 38 | 21.68 | 21.49 | 0.19 | | | |
| 10 | GVM | IPU4 | 19 35 10.61 | 32 | 2.6 | 138.9 | 184 | 38 | 23.24 | 22.62 | 0.62 | | | |
| 10 | SGV | EPU | 19 35 10.82 | 35 | 2.7 | 138.0 | 173 | 38 | 23.45 | 23.04 | 0.41 | | | |
| 10 | TPU | EPU | 19 35 12.40 | 39 | 2.9 | 155.0 | 116 | 38 | 25.07 | 25.25 | -0.18 | | | |
| | | ESU4 | 19 35 33.11 | | | | | | 45.74 | 44.19 | 1.55 | | | |
| 10 | BRO | EPU4 | 19 35 15.81 | 38 | 2.7 | 169.8 | 161 | 38 | 28.44 | 27.18 | 1.26 | | | |
| 10 | HTI | EPD | 19 35 15.69 | 37 | 2.9 | 182.6 | 109 | 38 | 29.32 | 29.64 | -0.31 | | | |
| 10 | NPN | EPD | 19 35 19.44 | 46 | 3.2 | 211.5 | 107 | 38 | 32.07 | 32.59 | -0.52 | | | |

1980 SOUTHERN GREAT BASIN
LOCAL-EVENT DATA REPORT

| DEC 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | TPU | EPU | 6 6 16.00 | | | | 32 | 2.5 | 111.9 | 60 | 91 | 18.59 | 18.57 | 0.02 | |
| | | ESU | 6 6 30.45 | | | | | | | | | 32.26 | 32.50 | -0.24 | |
| 14 | BSM | EPU | 6 6 20.21 | | | | 28 | 2.5 | 127.1 | 185 | 53 | 22.00 | 20.99 | 1.01 | |
| | | ESU | 6 6 34.05 | | | | | | | | | 36.66 | 36.74 | -0.09 | |
| 14 | PRN | EPU | 6 6 23.04 | | | | 37 | 2.8 | 154.2 | 78 | 53 | 25.63 | 24.52 | 1.12 | |

DEC H = 11 12 55.09 UTC RMS = 0.29 NO = 13 — FREE DEPTH SOLUTION
14 LAT = 36.529 N ERH = 1.0 ERM = 1.2 AVFM = 2.1 Q = C
LONG = 116.606 W ERY = 0.6 GAP = 156 AVXM = QS = C — CHLORIDE CLIFF
DEPTH = 6.69 KM ERZ = 7.5 NM = QD = C

| DEC 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | APR | EPU | 11 12 58.28 | | | | 38 | 2.4 | 18.9 | 141 | 106 | 3.19 | 3.52 | -0.33 | |
| 14 | BPO | EPU | 11 12 59.00 | | | | 19 | 1.8 | 26.0 | 356 | 101 | 3.91 | 4.66 | -0.76 | |
| 14 | SDM | EPD | 11 12 59.83 | | | | 32 | 2.2 | 27.3 | 62 | 101 | 4.79 | 4.86 | -0.13 | |
| 14 | LSM | IPD | 11 13 1.67 | | | | | | 38.0 | 52 | 98 | 6.58 | 6.58 | -0.00 | |
| 14 | GWV | EPD | 11 13 1.82 | | | | 31 | 2.2 | 38.4 | 199 | 98 | 6.73 | 6.65 | -0.02 | |
| 14 | CDM1 | EPD | 11 13 2.92 | | | | 15 | 1.6 | 44.9 | 35 | 97 | 7.83 | 7.71 | 0.12 | |
| 14 | JCN | EPD | 11 13 3.34 | | | | 32 | 2.3 | 46.2 | 102 | 96 | 8.25 | 7.90 | 0.34 | |
| 14 | LCP | EPD | 11 13 4.13 | | | | 33 | 2.4 | 53.3 | 47 | 95 | 9.04 | 9.06 | -0.02 | |
| 14 | SSP | EPU | 11 13 4.92 | | | | 21 | 2.0 | 56.0 | 38 | 95 | 9.83 | 9.49 | 0.33 | |
| 14 | MCY | EPD | 11 13 5.50 | | | | 37 | 2.5 | 59.5 | 76 | 95 | 10.41 | 10.06 | 0.34 | |
| 14 | NOP | EPD | 11 13 5.80 | | | | 29 | 2.3 | 60.3 | 137 | 95 | 9.91 | 10.19 | -0.29 | |
| 14 | BSM | EPU | 11 13 6.66 | | | | 17 | 1.8 | 63.8 | 281 | 94 | 11.57 | 11.24 | 0.32 | |
| | | ESD | 11 13 14.79 | | | | | | | | | 19.70 | 19.68 | 0.02 | |

DEC H = 2 34 46.54 UTC RMS = 0.06 NO = 20 — FREE DEPTH SOLUTION
15 LAT = 36.631 N ERH = 0.1 ERM = 0.2 AVFM = 2.6 Q = B
LONG = 115.489 W ERY = 0.1 GAP = 108 AVXM = QS = A — HAYFORD PEAK
DEPTH = 0.02 KM ERZ = 0.5 NM = QD = C

| DEC 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | SMRG | EPU | 2 34 51.44 | | | | 29 | 2.1 | 26.7 | 122 | 38 | 4.98 | 4.96 | -0.00 | |
| 15 | SPRG | IPU | 2 34 53.10 | | | | 41 | 2.5 | 34.5 | 281 | 38 | 6.56 | 6.55 | 0.02 | |
| 15 | EPR | IPU | 2 34 57.41 | | | | 41 | 2.6 | 62.9 | 18 | 38 | 10.07 | 10.04 | 0.04 | |
| 15 | JCN | EPD | 2 34 57.80 | | | | 42 | 2.6 | 65.7 | 251 | 38 | 11.26 | 11.30 | -0.04 | |
| 15 | LCP | EPU | 2 34 58.93 | | | | 48 | 2.7 | 72.2 | 290 | 38 | 12.36 | 12.35 | 0.01 | |
| 15 | LSM | EPU | 2 34 59.81 | | | | 60 | 3.0 | 78.0 | 279 | 38 | 13.27 | 13.31 | -0.03 | |
| 15 | SCM | EPU | 2 35 0.65 | | | | 35 | 2.5 | 83.2 | 271 | 38 | 14.11 | 14.14 | -0.03 | |
| 15 | GLN | EPU | 2 35 0.46 | | | | 33 | 2.5 | 83.2 | 319 | 38 | 13.92 | 14.15 | -0.07 | |
| 15 | CDM1 | EPU | 2 35 0.93 | | | | 35 | 2.5 | 85.1 | 287 | 38 | 14.39 | 14.45 | -0.06 | |
| 15 | BGB | EPU | 2 35 1.08 | | | | 31 | 2.4 | 85.9 | 302 | 38 | 14.54 | 14.58 | 0.01 | |
| 15 | NCP | EPU | 2 35 1.30 | | | | 39 | 2.6 | 87.6 | 230 | 38 | 14.76 | 14.76 | 0.00 | |
| 15 | PRN | EPU | 2 35 2.09 | | | | 43 | 2.7 | 91.8 | 20 | 38 | 15.55 | 15.55 | 0.00 | |
| 15 | MTI | EPD | 2 35 5.92 | | | | 31 | 2.5 | 116.7 | 6 | 38 | 19.38 | 19.59 | -0.00 | |
| 15 | DLM | IPU | 2 35 7.24 | | | | 28 | 2.5 | 123.5 | 29 | 38 | 20.70 | 20.70 | 0.01 | |
| | | ESUG | 2 35 18.65 | | | | | | | | | 32.15 | 36.22 | -4.06 | |
| 15 | SGV | EPD | 2 35 11.31 | | | | 38 | 2.8 | 150.0 | 285 | 38 | 24.77 | 24.53 | 0.25 | |
| | | ESD | 2 35 29.83 | | | | | | | | | 43.29 | 42.93 | 0.37 | |
| 15 | KRNA | EPD | 2 35 11.22 | | | | 49 | 3.0 | 151.2 | 325 | 38 | 24.68 | 24.68 | 0.00 | |
| 15 | GVN | EPU | 2 35 14.60 | | | | 38 | 2.9 | 177.4 | 283 | 38 | 28.06 | 28.09 | -0.02 | |
| | | ESUG | 2 35 36.73 | | | | | | | | | 50.19 | 49.15 | 1.04 | |
| 15 | GPN | IPU | 2 35 15.23 | | | | 38 | 2.7 | 188.7 | 294 | 38 | 28.69 | 28.52 | 0.18 | |
| | | ESU | 2 35 36.21 | | | | | | | | | 49.67 | 49.90 | -0.23 | |

DEC H = 21 17 40.96 UTC RMS = 0.10 NO = 3 — FIXED DEPTH SOLUTION
16 LAT = 37.205 N ERH = ERM = AVFM = 2.1 Q = C — DEPTH CONTROL INADEQUATE
LONG = 115.824 W ERY = GAP = 307 AVXM = QS = A — GROUM LAKE
DEPTH = 5.00 KM ERZ = NM = QD = D

| DEC 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | EPN | EPU | 21 17 48.56 | | | | 30 | 2.2 | 44.4 | 271 | 94 | 7.60 | 7.59 | 0.01 | |
| 16 | SSP | EPU | 21 17 48.79 | | | | 27 | 2.2 | 46.9 | 228 | 94 | 7.83 | 7.99 | -0.16 | |
| 16 | LCP | EPU | 21 17 49.58 | | | | 17 | 1.8 | 49.5 | 218 | 94 | 8.54 | 8.42 | 0.13 | |

DEC H = 7 28 51.47 UTC RMS = 0.00 NO = 4 — FREE DEPTH SOLUTION
17 LAT = 37.028 N ERH = ERM = AVFM = 2.3 Q = C
LONG = 116.211 W ERY = GAP = 195 AVXM = QS = A — SILENT CANYON - YUCCA FLAT
DEPTH = 5.85 KM ERZ = NM = QD = D

| DEC 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | SSP | IPU | 7 28 53.82 | | | | 33 | 2.2 | 11.5 | 183 | 112 | 2.35 | 2.36 | -0.00 | |
| 17 | LCP | EPD | 7 28 55.10 | | | | 38 | 2.2 | 19.7 | 169 | 103 | 3.63 | 3.63 | 0.00 | |



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1980 SOUTHERN GREAT BASIN
LOCAL-EVENT DATA REPORT

| DEC 1980 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | AMAG | DIM | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | [illegible] | [illegible] | 15 51 [illegible] | | | | | | 47.7 | 311 | 90 | 7.79 | [illegible] | [illegible] | |
| 17 | [illegible] | [illegible] | 15 51 [illegible] | | | | | | 52.2 | 152 | 90 | [illegible] | [illegible] | [illegible] | |
| 17 | LFP | [illegible] | 15 51 [illegible] | | | | | | 56.4 | 175 | 90 | [illegible] | 9.92 | [illegible] | |
| 17 | [illegible] | [illegible] | 15 51 [illegible] | | | | | | 59.7 | 59 | 90 | 10.24 | 10.06 | 0.22 | |
| 17 | [illegible] | [illegible] | 15 51 [illegible] | | | | | | 67.8 | 175 | 90 | 11.43 | 11.31 | 0.12 | |
| 17 | SPV | [illegible] | 15 51 [illegible] | | | | | | 74.6 | 217 | 90 | 11.75 | 12.16 | -0.41 | |
| 17 | [illegible] | [illegible] | 15 51 [illegible] | | | | | | 76.8 | [illegible] | 90 | 14.08 | 12.71 | 1.37 | |
| 17 | SDM | [illegible] | 15 51 [illegible] | | | | | | 77.4 | 140 | 90 | 13.08 | 12.96 | 0.12 | |
| 17 | [illegible] | [illegible] | 15 51 [illegible] | | | | 170 | 3.6 | [illegible] | [illegible] | 90 | 13.93 | 13.73 | 0.21 | |
| 17 | [illegible] | [illegible] | 15 51 [illegible] | | | | | | 82.7 | 156 | 90 | 13.61 | 13.79 | -0.16 | |
| 17 | SFMG | EPU | 15 51 [illegible] | | | | 179 | 3.7 | [illegible] | 147 | 90 | 13.68 | 14.33 | -0.66 | |
| 17 | [illegible] | [illegible] | 15 51 [illegible] | | | | 189 | 3.8 | 110.9 | [illegible] | 90 | 16.71 | 16.75 | 0.15 | |
| 17 | JCK | EPU | 15 51 [illegible] | | | | 198 | 3.9 | 102.5 | 149 | 90 | 16.71 | 17.01 | -0.28 | |
| 17 | LPM | EPD | 15 51 [illegible] | | | | 169 | 3.8 | 105.6 | 101 | 90 | 17.53 | 17.19 | 0.34 | |
| 17 | APM | EPU | 15 51 [illegible] | | | | 175 | 3.8 | 105.8 | 197 | 90 | 16.33 | 17.56 | 0.78 | |
| 17 | LCM | EPU | 15 51 51.52 | | | | | | 117.1 | [illegible] | 90 | 20.10 | 19.39 | 0.71 | |
| 17 | [illegible] | [illegible] | 15 51 53.40 | | | | | | 131.9 | 193 | 53 | 21.98 | 21.01 | 0.88 | |
| 17 | APN | EPD | 15 51 53.55 | | | | | | 132.8 | 149 | 53 | 22.13 | 21.86 | 0.27 | |
| 17 | [illegible] | EPD | 15 51 53.33 | | | | | | 135.9 | 173 | 53 | 21.91 | 22.33 | -0.41 | |
| 17 | [illegible] | EPU | 15 51 54.52 | | | | | | 139.6 | 174 | 53 | 23.10 | 22.80 | 0.30 | |
| 17 | SPMG | EPU | 15 51 54.10 | | | | | | 140.8 | 152 | 53 | 22.66 | 22.91 | -0.18 | |

DEC M = 16 1 10.48 UTC RMS = 0.10 NO = 13 — FREE DEPTH SOLUTION
17 LAT = 36.048 N ERX = 0.3 ERM = 0.6 AVFM = 3.8 Q = B
LONG = 115.737 W ERY = 0.3 GAP = 83 AVSM = QS = A — MERCURY
DEPTH = 2.69 KM ERZ = 1.8 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | SPMG | EPD | 16 | 1 23.40 | | | 154 | 3.6 | 28.5 | 193 | 92 | 5.00 | 4.99 | 0.01 | |
| 17 | GLR | EPD | 16 | 1 24.81 | | | 210 | 3.9 | 37.7 | 319 | 91 | 6.41 | 6.09 | 0.07 | |
| | | ISO | 16 | 1 28.92 | | | | | | | | 10.52 | 11.10 | -0.58 | |
| 17 | SSP | EPU4 | 16 | 1 26.63 | | | 202 | 3.9 | 42.9 | 267 | 90 | 8.23 | 7.33 | 0.90 | |
| 17 | BGB | EPD | 16 | 1 26.81 | | | 206 | 3.9 | 46.9 | 293 | 90 | 7.61 | 7.69 | 0.08 | |
| 17 | EPR | EPU | 16 | 1 27.71 | | | 70 | 3.0 | 54.9 | 63 | 90 | 9.31 | 9.29 | 0.03 | |
| 17 | EPM | EPU | 16 | 1 28.03 | | | 192 | 3.9 | 60.1 | 348 | 90 | 9.63 | 10.13 | -0.49 | |
| | | ISO4 | 16 | 1 31.91 | | | | | | | | 13.51 | 17.72 | -4.21 | |
| 17 | SDM | EPD | 16 | 1 29.09 | | | 79 | 3.1 | 63.8 | 238 | 90 | 10.69 | 10.60 | 0.09 | |
| | | | 16 | 1 34.70 | | | | | | | | 16.34 | 18.55 | -2.21 | |
| 17 | SMRG | EPD | 16 | 1 30.25 | | | 127 | 3.6 | 71.3 | 135 | 90 | 11.85 | 11.95 | -0.05 | |
| 17 | NCP | EPD | 16 | 1 34.70 | | | 184 | 4.0 | 97.9 | 292 | 90 | 16.38 | 16.27 | 0.03 | |
| 17 | KRNA | EPD | 16 | 1 36.05 | | | 166 | 3.9 | 106.1 | 327 | 90 | 17.65 | 17.60 | 0.06 | |
| 17 | DLM | EPU | 16 | 1 37.65 | | | 157 | 3.9 | 115.0 | 50 | 90 | 19.05 | 19.05 | -0.00 | |
| 17 | CTS | EPD | 16 | 1 37.83 | | | 191 | 4.1 | 116.8 | 311 | 90 | 19.43 | 19.34 | 0.09 | |
| 17 | RVE | EPU2 | 16 | 1 39.92 | | | 202 | 4.2 | 125.9 | 341 | 90 | 21.52 | 20.83 | 0.69 | |
| 17 | MCA | EPU | 16 | 1 41.61 | | | | | 141.6 | 257 | 53 | 23.21 | 23.07 | 0.15 | |

DEC M = 6 30 11.29 UTC RMS = 0.22 NO = 13 — FREE DEPTH SOLUTION
18 LAT = 38.036 N ERX = 1.1 ERM = 3.3 AVFM = 2.6 Q = D
LONG = 116.830 W ERY = 3.1 GAP = 217 AVSM = QS = C — BLACK BUTTE
DEPTH = 7.27 KM ERZ = 2.4 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | CTS | EPU4 | 0 | 30 25.40 | | | 28 | 2.2 | 44.9 | 168 | 97 | 13.60 | 7.71 | 5.90 | |
| 18 | RVE | EPU4 | 0 | 30 23.69 | | | 27 | 2.2 | 56.1 | 92 | 96 | 11.69 | 9.51 | 2.38 | |
| 18 | MZP | EPD | 0 | 30 21.75 | | | 34 | 2.4 | 61.3 | 233 | 95 | 9.95 | 10.35 | -0.21 | |
| 18 | BLT | IPU4 | 0 | 30 19.18 | | | | | 88.4 | 136 | 94 | 7.30 | 14.76 | -7.46 | |
| 18 | SVP | EPD | 0 | 30 27.34 | | | 28 | 2.3 | 92.5 | 247 | 93 | 15.54 | 15.43 | -0.03 | |
| 18 | EPG | EPD4 | 0 | 30 29.80 | | | 34 | 2.5 | 101.6 | 156 | 93 | 17.28 | 16.89 | 0.31 | |
| 18 | NPN | EPD4 | 0 | 30 36.10 | | | | | 106.0 | 179 | 93 | 24.30 | 17.62 | 6.69 | |
| 18 | TPU | EPD | 0 | 30 30.89 | | | 41 | 2.8 | 114.4 | 115 | 93 | 19.09 | 18.99 | 0.11 | |
| 18 | PPK | EPD | 0 | 30 31.51 | | | 24 | 2.3 | 116.6 | 235 | 93 | 19.71 | 19.34 | 0.37 | |
| 18 | GLR | EPU | 0 | 30 31.39 | | | 39 | 2.7 | 117.3 | 142 | 53 | 19.59 | 19.44 | 0.30 | |
| 18 | SGV | EPD4 | 0 | 30 35.57 | | | | | 118.4 | 189 | 53 | 23.77 | 19.59 | 4.19 | |
| 18 | BGB | EPU | 0 | 30 31.91 | | | 48 | 2.9 | 122.9 | 154 | 53 | 20.11 | 20.17 | -0.08 | |
| 18 | GVN | EPU4 | 0 | 30 29.66 | | | 33 | 2.6 | 123.4 | 202 | 53 | 17.86 | 20.24 | -2.37 | |
| 18 | SSP | EPU | 0 | 30 33.21 | | | 27 | 2.5 | 134.6 | 156 | 53 | 21.41 | 21.69 | -0.27 | |
| 18 | MTI | EPD | 0 | 30 34.21 | | | 35 | 2.7 | 142.6 | 106 | 53 | 22.41 | 22.73 | -0.12 | |
| 18 | LOP | EPU4 | 0 | 30 29.50 | | | 38 | 2.6 | 143.6 | 156 | 53 | 17.70 | 22.86 | -5.16 | |
| 18 | LSN | EPU | 0 | 30 36.08 | | | 46 | 2.9 | 152.2 | 161 | 53 | 24.24 | 23.97 | 0.28 | |
| 18 | FMT | EPD | 0 | 30 35.91 | | | 29 | 2.6 | 155.8 | 178 | 53 | 24.11 | 24.34 | -0.12 | |
| 18 | NPN | EPD | 0 | 30 38.04 | | | 42 | 3.0 | 172.8 | 104 | 53 | 26.24 | 26.55 | -0.31 | |
| 18 | EPR | EPU | 0 | 30 38.61 | | | | | 174.1 | 124 | 53 | 26.81 | 26.82 | -0.01 | |
| 18 | JCN | EPD | 0 | 30 41.10 | | | 48 | 3.0 | 188.5 | 160 | 53 | 29.30 | 24.69 | 0.62 | |
| 18 | APK | EPU4 | 0 | 30 41.20 | | | | | 220.7 | 150 | 53 | 29.40 | 32.87 | -3.46 | |

DEC M = 14 47 32.92 UTC RMS = 0.44 NO = 4 — FREE DEPTH SOLUTION
19 LAT = 36.325 N ERX = ERM = AVFM = 2.3 Q = D
LONG = 116.313 W ERY = GAP = 152 AVSM = QS = C — ASH MEADOWS
DEPTH = 0.10 KM ERZ = NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | APR | EPD | 14 | 47 36.05 | | | 23 | 1.9 | 16.6 | 299 | 38 | 3.13 | 3.38 | -0.25 | |
| 19 | JCN | EPD | 14 | 47 36.46 | | | 24 | 2.0 | 22.7 | 56 | 38 | 3.94 | 4.37 | -0.44 | |
| 19 | NOP | EPU | 14 | 47 38.05 | | | 17 | 1.7 | 26.2 | 147 | 38 | 5.13 | 4.94 | 0.18 | |

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| DEC 1988 | STA | PHASE | TIME (UTC) | AMP (MU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | CPX | EPD | 1 46 27.64 | | | | 22 | 2.0 | 63.5 | 314 | 38 | 10.78 | 10.75 | 0.03 | |
| 20 | LCP | EPU | 1 46 27.78 | | | | 48 | 2.7 | 66.0 | 303 | 38 | 10.92 | 11.15 | -0.23 | |
| 20 | LSM | EPU | 1 46 28.29 | | | | | | 68.7 | 299 | 38 | 11.43 | 11.60 | -0.17 | |
| 20 | SDM | EPU | 1 46 28.89 | | | | 43 | 2.6 | 71.7 | 289 | 38 | 12.03 | 12.09 | -0.06 | |
| 20 | SSP | EPD | 1 46 29.50 | | | | 52 | 2.6 | 74.2 | 306 | 38 | 12.64 | 12.49 | 0.15 | |
| 20 | CDMS | EPU | 1 46 29.77 | | | | 34 | 2.5 | 77.8 | 290 | 38 | 12.91 | 13.08 | -0.17 | |
| 20 | CDMI | EPU | 1 46 29.89 | | | | 40 | 2.6 | 77.8 | 298 | 38 | 13.13 | 13.08 | 0.05 | |
| 20 | BGB | EPD | 1 46 30.78 | | | | 46 | 2.7 | 82.8 | 313 | 38 | 13.92 | 13.88 | 0.09 | |
| 20 | AMM | EPD | 1 46 31.13 | | | | 34 | 2.6 | 84.1 | 260 | 38 | 14.27 | 14.10 | 0.17 | |
| 20 | GLR | EPD | 1 46 31.65 | | | | 40 | 2.8 | 85.3 | 331 | 38 | 14.19 | 14.29 | 0.05 | |
| 20 | EPM | EPD | 1 46 33.24 | | | | 54 | 3.0 | 102.7 | 318 | 38 | 16.38 | 17.12 | -0.78 | |
| 20 | MTI | EPD | 1 46 38.78 | | | | 36 | 2.7 | 129.7 | 11 | 38 | 21.84 | 21.92 | 0.52 | |
| 20 | NPM | EPD | 1 46 39.64 | | | | 52 | 3.0 | 136.1 | 24 | 38 | 22.78 | 22.50 | 0.28 | |
| 20 | DLM | EPU | 1 46 40.32 | | | | 36 | 2.7 | 139.5 | 31 | 38 | 23.46 | 22.96 | 0.50 | |
| 20 | SBV | EPD | 1 46 40.45 | | | | 39 | 2.8 | 141.5 | 291 | 38 | 23.59 | 23.22 | 0.38 | |

DEC M = 6 24 27.71 UTC RMS = 0.06 NO = 11 — FREE DEPTH SOLUTION
20 LAT = 36.748 N ERX = 0.3 ERM = 0.4 AVFM = 2.0 Q = B
LONG = 116.000 W ERY = 0.2 GAP = 124 AVXM = QS = A — LATHROP WELLS
DEPTH = 6.03 KM ERZ = 1.8 NM = QD = B

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | MCY | IPD | 6 24 29.87 | | | | 44 | 2.5 | 18.2 | 168 | 116 | 2.16 | 2.17 | -0.02 | |
| 20 | SPRG | IPU | 6 24 31.09 | | | | 24 | 2.0 | 18.1 | 199 | 104 | 3.38 | 3.39 | -0.01 | |
| 20 | LOP | IPU | 6 24 31.28 | | | | 36 | 2.3 | 19.8 | 388 | 104 | 3.57 | 3.52 | 0.04 | |
| 20 | CPX | EPU | 6 24 31.53 | | | | 18 | 1.7 | 20.7 | 346 | 103 | 3.82 | 3.80 | 0.02 | |
| 20 | LSM | IPU | 6 24 32.13 | | | | 36 | 2.3 | 24.3 | 268 | 101 | 4.42 | 4.36 | 0.05 | |
| 20 | SSP | EPU | 6 24 32.73 | | | | 33 | 2.3 | 27.6 | 315 | 99 | 5.02 | 4.90 | 0.11 | |
| 20 | CDMS | EPD | 6 24 32.94 | | | | 13 | 1.5 | 30.9 | 294 | 98 | 5.23 | 5.43 | -0.20 | |
| 20 | CDMI | IPD | 6 24 33.03 | | | | 18 | 1.7 | 30.9 | 296 | 98 | 5.32 | 5.43 | -0.11 | |
| 20 | SDM | EPU | 6 24 33.30 | | | | 23 | 2.0 | 32.3 | 289 | 98 | 5.59 | 5.65 | -0.06 | |
| 20 | JCM | EPU | 6 24 33.96 | | | | 22 | 1.9 | 33.8 | 195 | 97 | 6.25 | 6.16 | 0.09 | |
| 20 | BGB | EPU | 6 24 34.21 | | | | 18 | 1.8 | 34.8 | 328 | 97 | 6.50 | 6.57 | -0.02 | |

DEC M = 10 18 43.36 UTC RMS = 0.38 NO = 12 — FREE DEPTH SOLUTION
20 LAT = 36.514 N ERX = 1.3 ERM = 1.7 AVFM = 2.6 Q = C
LONG = 115.568 W ERY = 1.1 GAP = 92 AVXM = QS = C — MERCURY
DEPTH = 1.06 KM ERZ = 3.4 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | APK | EPD | 10 18 47.33 | | | | 33 | 2.2 | 21.6 | 183 | 38 | 3.97 | 3.88 | 0.09 | |
| 20 | SPRG | IPU | 10 18 47.85 | | | | 34 | 2.3 | 29.9 | 312 | 38 | 4.49 | 5.22 | -0.73 | |
| 20 | SHMG | EPD | 10 18 49.15 | | | | 26 | 2.1 | 36.3 | 92 | 38 | 5.79 | 6.26 | -0.42 | |
| | | IBU | 10 18 54.03 | | | | | | | | | 10.65 | 10.87 | -0.22 | |
| 20 | MCY | IPU | 10 18 49.70 | | | | 50 | 2.7 | 39.5 | 294 | 38 | 6.34 | 6.78 | -0.44 | |
| 20 | JCM | EPD | 10 18 51.70 | | | | 40 | 2.5 | 49.3 | 268 | 38 | 8.34 | 8.38 | -0.04 | |
| 20 | LOP | EPU | 10 18 54.12 | | | | 46 | 2.7 | 66.1 | 395 | 38 | 10.76 | 11.11 | -0.35 | |
| 20 | SDM | EPD | 10 18 55.28 | | | | 37 | 2.5 | 71.1 | 292 | 38 | 11.92 | 11.92 | -0.00 | |
| 20 | SSP | EPU4 | 10 18 53.50 | | | | 53 | 2.8 | 74.4 | 308 | 38 | 10.14 | 12.46 | -2.32 | |
| 20 | CDMI | EPU | 10 18 56.78 | | | | 22 | 2.1 | 77.8 | 308 | 38 | 13.42 | 13.01 | 0.41 | |
| 20 | BGB | EPD | 10 18 57.95 | | | | 34 | 2.5 | 83.2 | 314 | 38 | 14.59 | 13.89 | 0.75 | |
| 20 | PRM | IPD | 10 19 2.08 | | | | 32 | 2.5 | 109.8 | 25 | 38 | 18.72 | 18.08 | 0.64 | |
| 20 | MTI | EPD | 10 19 5.48 | | | | 24 | 2.4 | 131.5 | 11 | 38 | 22.12 | 21.74 | 0.38 | |

DEC M = 10 32 26.54 UTC RMS = 0.09 NO = 7 — FREE DEPTH SOLUTION
20 LAT = 36.243 N ERX = 0.4 ERM = 0.7 AVFM = 2.2 Q = C
LONG = 115.597 W ERY = 0.5 GAP = 150 AVXM = QS = C — MERCURY
DEPTH = 0.85 KM ERZ = 133.1 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | APK | EPD | 10 32 31.05 | | | | 26 | 2.0 | 24.8 | 184 | 38 | 4.51 | 4.57 | -0.05 | |
| 20 | SPRG | EPD | 10 32 31.56 | | | | 23 | 2.0 | 28.1 | 307 | 38 | 5.02 | 5.10 | -0.08 | |
| 20 | SHMG | IPD | 10 32 32.95 | | | | 16 | 1.7 | 36.3 | 97 | 38 | 6.41 | 6.42 | 0.08 | |
| 20 | MCY | EPU | 10 32 33.35 | | | | 35 | 2.4 | 38.6 | 290 | 38 | 6.81 | 6.80 | 0.01 | |
| 20 | JCM | EPD | 10 32 35.33 | | | | 27 | 2.2 | 50.2 | 257 | 38 | 8.79 | 8.69 | 0.10 | |
| 20 | LOP | EPU4 | 10 32 38.30 | | | | 39 | 2.5 | 64.6 | 302 | 38 | 11.76 | 11.03 | 0.74 | |
| 20 | LSM | EPU | 10 32 38.18 | | | | 38 | 2.5 | 67.6 | 289 | 38 | 11.64 | 11.51 | 0.13 | |
| 20 | SDM | EPD | 10 32 38.83 | | | | 23 | 2.1 | 70.4 | 279 | 38 | 12.29 | 12.04 | 0.25 | |
| 20 | PRM | EPD4 | 10 32 46.23 | | | | 29 | 2.4 | 106.0 | 25 | 38 | 19.69 | 17.76 | 1.93 | |

DEC M = 14 56 45.53 UTC RMS = 0.16 NO = 11 — FREE DEPTH SOLUTION
21 LAT = 37.428 N ERX = 0.7 ERM = 1.1 AVFM = 2.5 Q = C
LONG = 116.997 W ERY = 0.8 GAP = 176 AVXM = QS = B — DELAMAR MOUNTAINS
DEPTH = 3.94 KM ERZ = 3.7 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | PRM | IPU | 14 56 46.22 | | | | 32 | 2.2 | 5.2 | 243 | 118 | 0.69 | 1.30 | -0.60 | |
| 21 | NPM | IPU | 14 56 50.09 | | | | 50 | 2.6 | 25.5 | 12 | 95 | 4.56 | 4.51 | 0.05 | |
| 21 | DLM | EPD | 14 56 50.60 | | | | 29 | 2.2 | 30.2 | 49 | 94 | 5.27 | 5.27 | 0.00 | |
| 21 | MTI | EPD | 14 56 51.58 | | | | 24 | 2.2 | 36.0 | 319 | 94 | 6.05 | 6.35 | -0.09 | |



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1988 SINTHPON GREAT BASIN
LOCAL-EVENT DATA REPORT

| DEC 1988 | STA | PHASE | TIME (UTC) | AMP (PU) | PER (SEC) | XMAG | DUR | FMAG | DIST (KM) | AZI (DEG) | AIN (DEG) | TOBS (SEC) | TCAL (SEC) | RES (SEC) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 22 | MCY | EPD | 14 42 45.25 | | | | 72 | 3.3 | 128.2 | 241 | 53 | 20.88 | 20.36 | -0.28 | |
| . 22 | BLT | EPD | 14 42 45.70 | | | | 60 | 3.1 | 129.4 | 242 | 53 | 20.53 | 20.52 | 0.01 | |
| . 22 | LOP | EPD | 14 42 46.60 | | | | 68 | 3.3 | 136.4 | 253 | 53 | 21.43 | 21.43 | 0.00 | |
| . 22 | SSP | EPD | 14 42 46.94 | | | | 69 | 3.2 | 138.5 | 256 | 53 | 21.77 | 21.70 | 0.07 | |
| . 22 | EPN | EPH | 14 42 47.95 | | | | 66 | 3.3 | 143.6 | 270 | 53 | 22.70 | 22.37 | 0.42 | |
| . 22 | LSM | EPUa | 14 42 47.00 | | | | 76 | 3.4 | 149.4 | 249 | 53 | 22.23 | 23.12 | -0.89 | |
| . 22 | JON | EPD | 14 42 48.66 | | | | 47 | 3.0 | 152.0 | 235 | 53 | 23.49 | 23.46 | 0.03 | |
| . 22 | RVE | EPD | 14 42 49.06 | | | | 43 | 3.0 | 158.2 | 304 | 53 | 23.89 | 24.26 | -0.37 | |
| . 22 | SDM | EPU | 14 42 49.65 | | | | 58 | 3.1 | 159.0 | 246 | 53 | 24.40 | 24.36 | 0.12 | |
| . 22 | KRNA | EPD | 14 42 49.39 | | | | 58 | 3.2 | 159.2 | 292 | 53 | 24.22 | 24.39 | -0.16 | |
| . 22 | NOP | EPD | 14 42 52.00 | | | | 58 | 3.3 | 177.5 | 227 | 53 | 26.83 | 26.76 | 0.07 | |
| . 22 | CTS | EPU | 14 42 52.66 | | | | 57 | 3.3 | 184.7 | 284 | 53 | 27.49 | 27.78 | -0.21 | |

. DEC H = 1 14 4.59 UTC RMS = 0.15 NO = 5 FREE DEPTH SOLUTION
. 23 LAT = 36.752 N ERX = 2.5 ERH = 3.8 AVFM = 1.4 Q = D
. LONG = 116.089 W ERY = 1.6 GAP = 209 AVXM = QS = C LATHRUP WELLS
. DEPTH = 2.08 KM ERZ = 55.3 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 23 | MCY | IPD | 1 14 6.53 | | | | 12 | 1.3 | 10.9 | 157 | 92 | 1.94 | 2.12 | -0.18 | |
| . 23 | LOP | EPU | 1 14 7.90 | | | | 15 | 1.5 | 18.1 | 309 | 91 | 3.31 | 3.30 | 0.01 | |
| . 23 | LSM | EPU | 1 14 8.71 | | | | 13 | 1.4 | 23.5 | 266 | 90 | 4.12 | 4.18 | -0.05 | |
| . 23 | SDM | EPU | 1 14 10.11 | | | | 9 | 1.1 | 31.7 | 268 | 90 | 5.52 | 5.51 | 0.02 | |
| . 23 | JON | EPD | 1 14 10.97 | | | | 12 | 1.4 | 35.7 | 194 | 90 | 6.38 | 6.15 | 0.23 | |

. DEC H = 9 5 26.41 UTC RMS = 0.42 NO = 21 FREE DEPTH SOLUTION
. 23 LAT = 36.956 N ERX = 6.0 ERH = 6.3 AVFM = 3.0 Q = D
. LONG = 117.682 W ERY = 1.3 GAP = 258 AVXM = QS = C DRY MOUNTAIN
. DEPTH = 0.29 KM ERZ = 2.5 NM = QD = D

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 23 | MCA | IPD | 9 5 34.70 | | | | 42 | 2.5 | 49.5 | 134 | 38 | 8.29 | 8.69 | -0.40 | |
| . 23 | GPN | IPU | 9 5 34.95 | | | | | | 53.6 | 44 | 38 | 8.54 | 9.35 | -0.81 | |
| . 23 | SGV | IPD | 9 5 36.43 | | | | | | 57.9 | 87 | 38 | 10.02 | 10.06 | -0.04 | |
| . 23 | BPO | EPU | 9 5 42.14 | | | | 40 | 2.7 | 96.6 | 103 | 38 | 15.73 | 16.35 | -0.62 | |
| . 23 | EPN | EPD | 9 5 47.61 | | | | 52 | 3.0 | 124.1 | 77 | 38 | 21.20 | 24.02 | 0.38 | |
| . 23 | GRV | EPD | 9 5 47.13 | | | | 40 | 2.8 | 124.4 | 133 | 38 | 20.72 | 20.87 | -0.25 | |
| . 23 | APR | EPU | 9 5 47.05 | | | | 41 | 2.8 | 124.4 | 120 | 38 | 20.64 | 20.88 | -0.24 | |
| . 23 | SDM | EPD | 9 5 47.79 | | | | 41 | 2.8 | 124.8 | 106 | 38 | 21.38 | 20.93 | 0.45 | |
| . 23 | LSM | EPD | 9 5 48.17 | | | | 60 | 3.1 | 128.1 | 101 | 38 | 21.76 | 21.48 | 0.28 | |
| . 23 | BGB | EPU | 9 5 48.14 | | | | 58 | 3.1 | 129.8 | 86 | 38 | 21.73 | 21.74 | 0.04 | |
| . 23 | SSP | EPD | 9 5 48.55 | | | | 50 | 3.0 | 130.5 | 92 | 38 | 22.14 | 21.86 | 0.28 | |
| . 23 | QSM | EPU | 9 5 48.63 | | | | 40 | 2.8 | 131.9 | 146 | 38 | 22.02 | 22.08 | -0.06 | |
| . | | ESU | 9 6 5.40 | | | | | | | | | 38.99 | 38.65 | 0.34 | |
| . 23 | LCP | EPD | 9 5 49.26 | | | | 57 | 3.1 | 135.4 | 95 | 38 | 22.85 | 22.67 | 0.18 | |
| . 23 | CPX | EPDa | 9 5 51.65 | | | | 45 | 2.9 | 148.7 | 91 | 38 | 25.24 | 23.87 | 1.37 | |
| . | | ESD | 9 6 8.21 | | | | | | | | | 41.80 | 41.78 | 0.02 | |
| . 23 | KRNA | EPU | 9 5 50.60 | | | | 48 | 3.0 | 145.1 | 53 | 38 | 24.19 | 23.92 | 0.27 | |
| . 23 | BLT | EPU | 9 5 51.21 | | | | 48 | 2.9 | 148.4 | 68 | 38 | 24.80 | 24.34 | 0.46 | |
| . 23 | GLR | EPDa | 9 5 51.78 | | | | 41 | 2.9 | 150.4 | 86 | 38 | 25.37 | 24.61 | 0.01 | |
| . 23 | JON | EPUa | 9 5 52.28 | | | | 38 | 2.8 | 152.3 | 112 | 38 | 25.79 | 24.85 | 0.94 | |
| . 23 | MCY | EPU | 9 5 52.56 | | | | 57 | 3.2 | 156.9 | 102 | 38 | 26.15 | 25.45 | 0.70 | |
| . 23 | NOP | EPD | 9 5 53.08 | | | | 37 | 2.8 | 165.0 | 124 | 38 | 26.67 | 26.50 | 0.17 | |
| . 23 | SPRG | EPDa | 9 5 54.83 | | | | 57 | 3.2 | 159.6 | 100 | 38 | 28.42 | 27.11 | 1.32 | |
| . | | ISUa | 9 6 16.65 | | | | | | | | | 58.28 | 47.44 | 2.81 | |
| . 23 | RVE | EPD | 9 5 55.76 | | | | 39 | 2.9 | 176.9 | 48 | 38 | 29.35 | 28.05 | 1.30 | |
| . 23 | OCS | EPD | 9 5 56.43 | | | | 34 | 2.8 | 180.4 | 60 | 38 | 30.02 | 28.51 | 1.51 | |
| . 23 | TPU | EPDa | 9 5 58.38 | | | | 46 | 3.1 | 194.1 | 68 | 38 | 31.69 | 30.28 | 1.61 | |
| . | | ESDa | 9 6 22.69 | | | | | | | | | 56.29 | 52.99 | 3.29 | |
| . 23 | PRN | EPU | 9 6 2.98 | | | | 65 | 3.6 | 239.0 | 78 | 38 | 36.57 | 36.11 | 0.46 | |
| . 23 | NPN | EPU | 9 6 5.04 | | | | 54 | 3.5 | 255.4 | 72 | 38 | 38.63 | 38.24 | 0.39 | |

. DEC H = 17 35 58.97 UTC RMS = 0.50 NO = 14 FREE DEPTH SOLUTION
. 25 LAT = 37.367 N ERX = 2.1 ERH = 2.7 AVFM = 2.9 Q = D
. LONG = 116.392 W ERY = 1.7 GAP = 83 AVXM = QS = D SILENT CANYON - NORTH
. DEPTH = 12.40 KM ERZ = 3.9 NM = QD = C

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . 25 | EPH | EPDa | 17 35 54.18 | | | | 146 | 3.5 | 18.0 | 160 | 122 | ****** | 3.79 | -0.58 | |
| . 25 | BLT | EPD | 17 36 4.70 | | | | 65 | 2.8 | 25.1 | 65 | 114 | 5.73 | 4.80 | 0.92 | |
| . 25 | RGH | IPD | 17 36 8.23 | | | | 75 | 3.0 | 39.3 | 158 | 106 | 9.26 | 6.94 | 2.32 | |
| . 25 | CTS | EPD | 17 36 6.89 | | | | 33 | 2.3 | 42.3 | 316 | 105 | 7.92 | 7.45 | 0.47 | |
| . 25 | KRNA | EPD | 17 36 5.88 | | | | 44 | 2.6 | 42.5 | 1 | 105 | 6.91 | 7.49 | -0.58 | |
| . 25 | SSP | EPUa | 17 36 5.35 | | | | 85 | 3.2 | 51.4 | 163 | 102 | 6.38 | 8.90 | -2.52 | |
| . 25 | LCP | EPDa | 17 36 7.37 | | | | 53 | 2.8 | 68.3 | 161 | 100 | 8.40 | 10.31 | -1.91 | |
| . 25 | LSM | EPU | 17 36 10.25 | | | | 95 | 3.3 | 70.5 | 171 | 99 | 11.28 | 11.95 | -0.67 | |
| . 25 | SGV | EPU | 17 36 10.63 | | | | 63 | 3.0 | 71.1 | 233 | 99 | 11.66 | 12.05 | -0.39 | |
| . 25 | RVE | EPU | 17 36 11.30 | | | | 39 | 2.6 | 76.8 | 14 | 99 | 12.33 | 12.61 | -0.28 | |
| . 25 | SDM | EPU | 17 36 12.60 | | | | 37 | 2.5 | 80.2 | 177 | 98 | 13.63 | 13.51 | 0.12 | |
| . 25 | MCY | EPU | 17 36 12.65 | | | | 68 | 3.1 | 87.1 | 154 | 97 | 13.68 | 14.63 | -0.95 | |
| . 25 | SPRG | EPD | 17 36 13.62 | | | | 60 | 3.0 | 90.9 | 145 | 97 | 14.65 | 15.24 | -0.59 | |



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