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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

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1987

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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, Montezuma 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. Eight microearthquakes occurred at Yucca Mountain during the 1984-1986 monitoring period. Depths of focus for well-located earthquakes continue to indicate a bimodal distribution, with peaks at 1-2 and 8-9 km below sea-level and a local minimum at 4-5 km. Focal mechanisms range from strike slip to normal slip. No dependence of slip mode on depth or magnitude is evident.

Introduction

The southern Great Basin (SGB) 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 $\approx$ 160 km) under an agreement with the U. S. Department of Energy (Nevada Nuclear Waste Storage Investigations Project). The network presently consists of 54 seismograph stations, 43 in Nevada and 11 in California, associated electronics, telemetry, and computer facilities in Golden, Colorado. Most of the seismograph stations are vertical-component, high-gain, short-period instruments. Eight stations also have horizontal-component instruments.

This data report summarizes the earthquake locations computed for the time period January 1, 1984 through December 31, 1986. Earthquake locations are derived using the computer program HYPO71 which incorporates 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 model and certain magnitude-determination parameters are summarized 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, 1111 local earthquakes were located (Figure 3 and Appendix A). A few gaps in the seismicity record for the second half of 1986 - corresponding to computer down-time ($\approx$ 5%) - will be filled in in a future report, as develocorder films, which serve as a continuous backup record, are scaled. 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. 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 (north-south) horizontal seismometers were installed at stations PRN, GMR, JON, EPN, GVN, and PGE in 1984. Two-component horizontal seismometers were installed 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. Earthquake focal mechanisms for the period 1984 through 1986 are presented in Appendix E.

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 Suzanne Shelley. Mark E. Meremonte assisted in the preparation of some focal mechanisms. Helpful reviews were provided by E. P. Arnold and H. S. Swolfs.

Discussion

This data report is being distributed without detailed discussion in order to disseminate information rapidly. 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 seismicity sequences having 50 or more earthquakes in a small area and brief time span, whereas NTS seismicity does not contain such clusters. 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 mainshock-aftershock sequences. Figure 8, showing the seismicity rates for Sarcobatus Flat, reveals multiple bursts of activity, as does figure 9, showing seismicity rates for the Grapevine Mountains and Gold Mountain. The absence of distinct clustering of epicenters 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.

(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. The routine use of a regional velocity model that underestimates P- and S-wave velocities in crystalline surficial rock tends to decrease depth-of-focus estimates, suggesting that regional variations in SGB rock may require corresponding variations in the velocity model.

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 near-surface rock velocities exhibit significant lateral variation. Future plans for the network include deployment of temporary networks of densely-spaced seismographic stations to improve earthquake location estimates and velocity structure information in seismically active regions. In particular, such networks may provide data about the possible existence of zones of detachment within the seismogenic crust.

(3). Twenty-seven focal mechanisms are available for the 1984-1986 seismicity (Figure 13). The compressional-wave polarity data and $(SV/P)_z$ wavelet amplitude data used to compute these mechanisms are presented in Appendix E. An examination of Table E1, summarizing the focal mechanism data, shows no clear dependence of the orientations of slip vectors (*rake angles*) on either magnitude or depth of focus. The 1984-1986 data include about 10 normal-slip mechanisms,

10 strike-slip mechanisms, and 3 oblique-slip mechanisms. The remaining 4 mechanisms cannot be simply classified, because the two nodal planes for each of those mechanisms imply different modes of slip. Appendix E figure captions identify the principal mode(s) of slip for each of the focal mechanisms.

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 (Figure 14). 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.

DATE TIME (UTC)	LAT., ° N.	LONG., ° W.	N-S sdy (km)	E-W sdx (km)	Depth±sdz (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 sdz are HYPO71 standard errors in estimates of hypocentral longitude, latitude, and depth of focus, respectively.

Conclusions

1. Zones of tightly clustered seismicity 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. Relative quiescent zones also 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 diffuseness or lack of bursts of localized earthquake activity. Localized clustering behavior is a characteristic feature of many other active areas in the southern Great Basin.

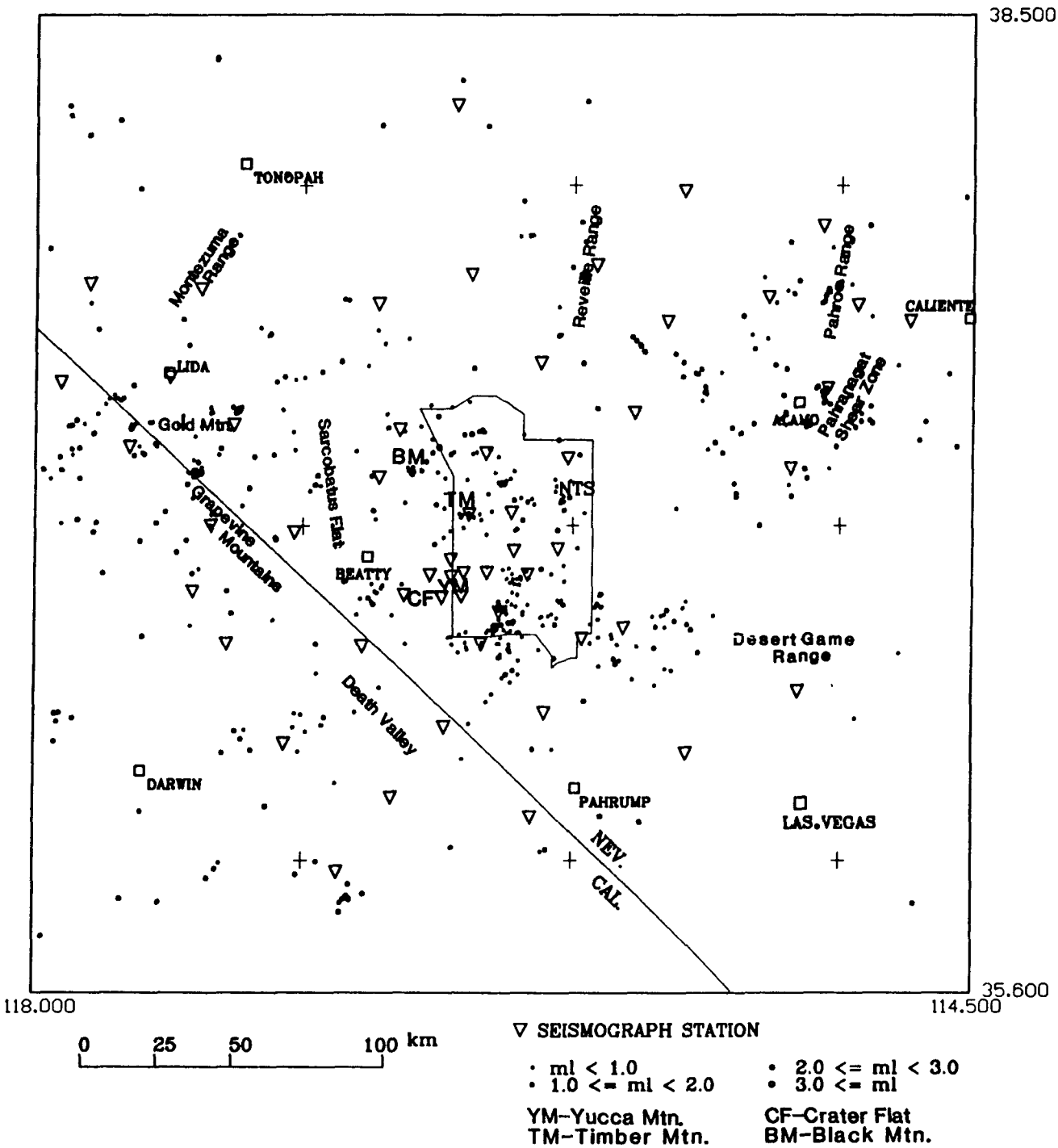

Figure 1.– Seismicity in the southern Great Basin, 1984. Seismically active and quiescent areas are identified. Towns and cities are indicated by a *square* symbol.

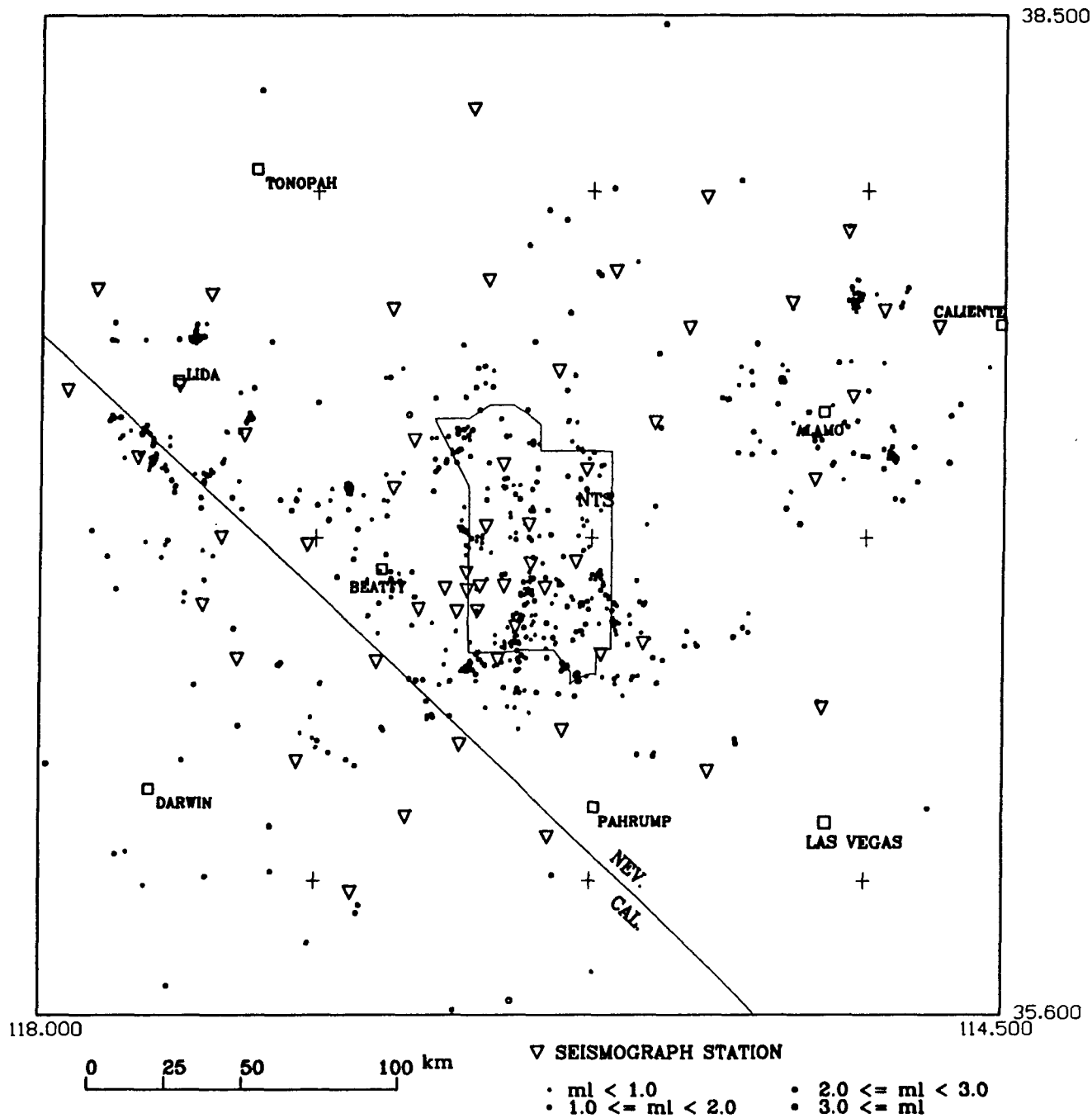

Figure 2.– Seismicity in the southern Great Basin, 1985.

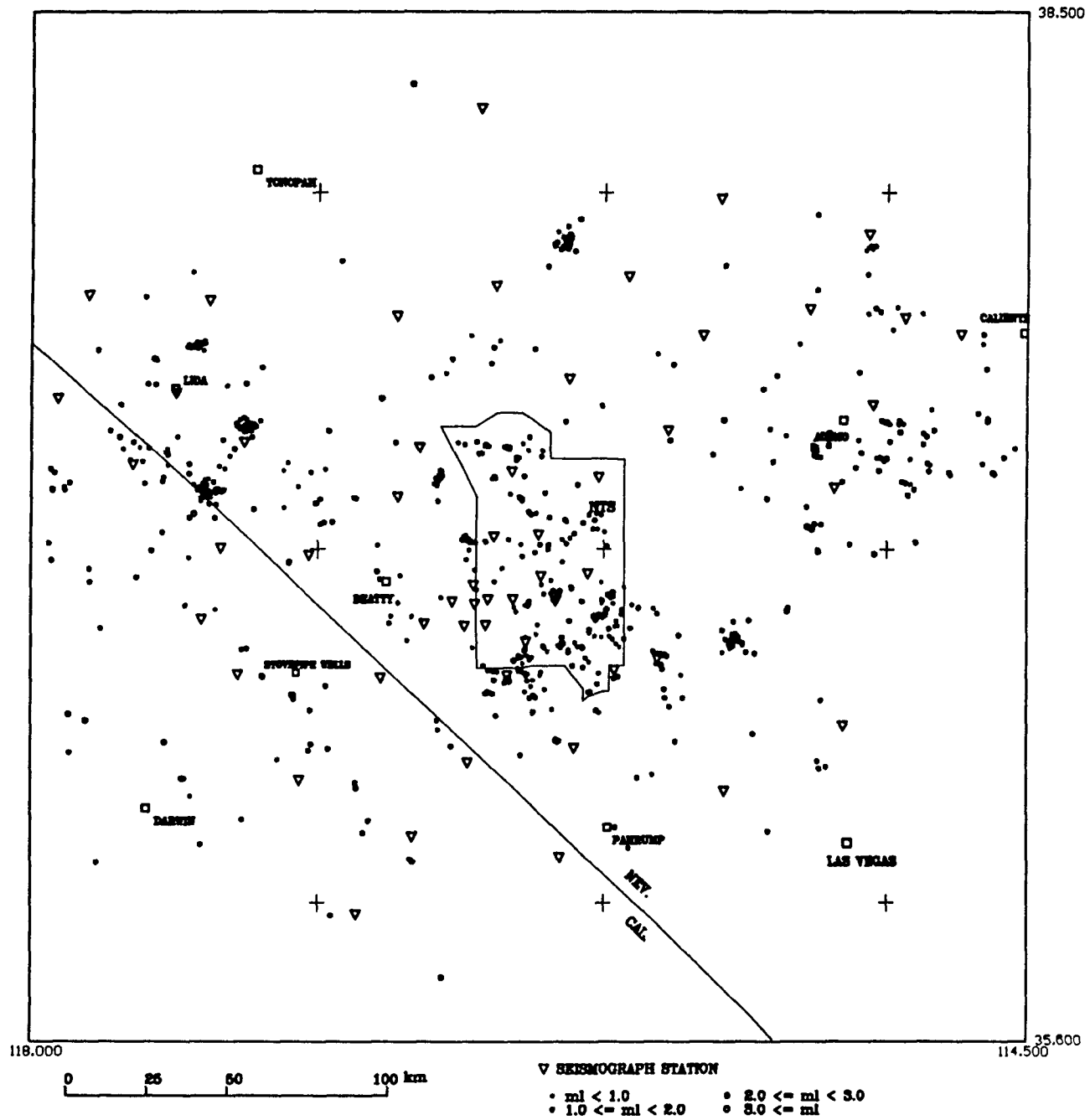

Figure 3.– Seismicity in the southern Great Basin, 1986.

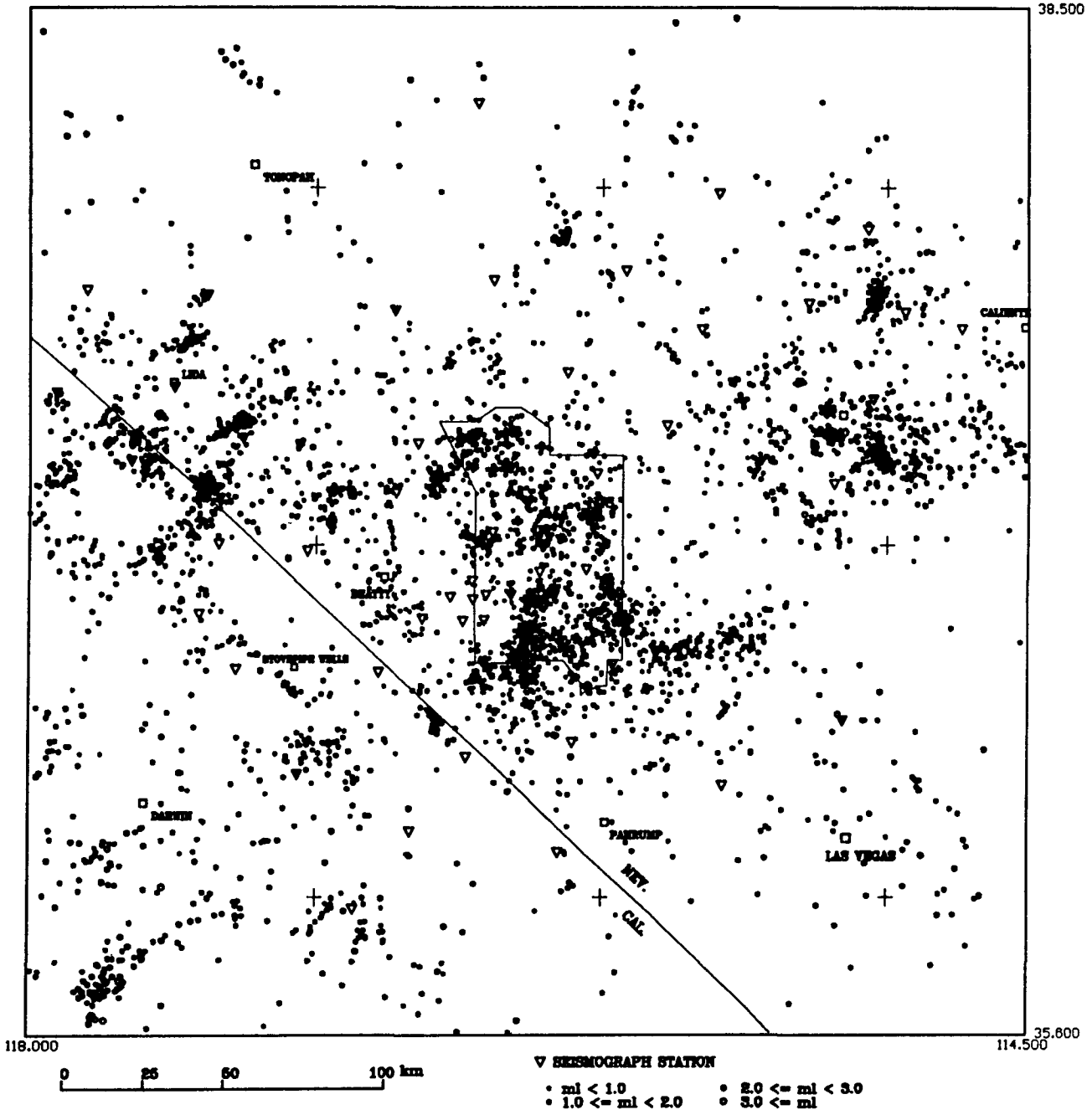

Figure 4.– Seismicity in the southern Great Basin for the period August 1, 1978, through December 31, 1986.

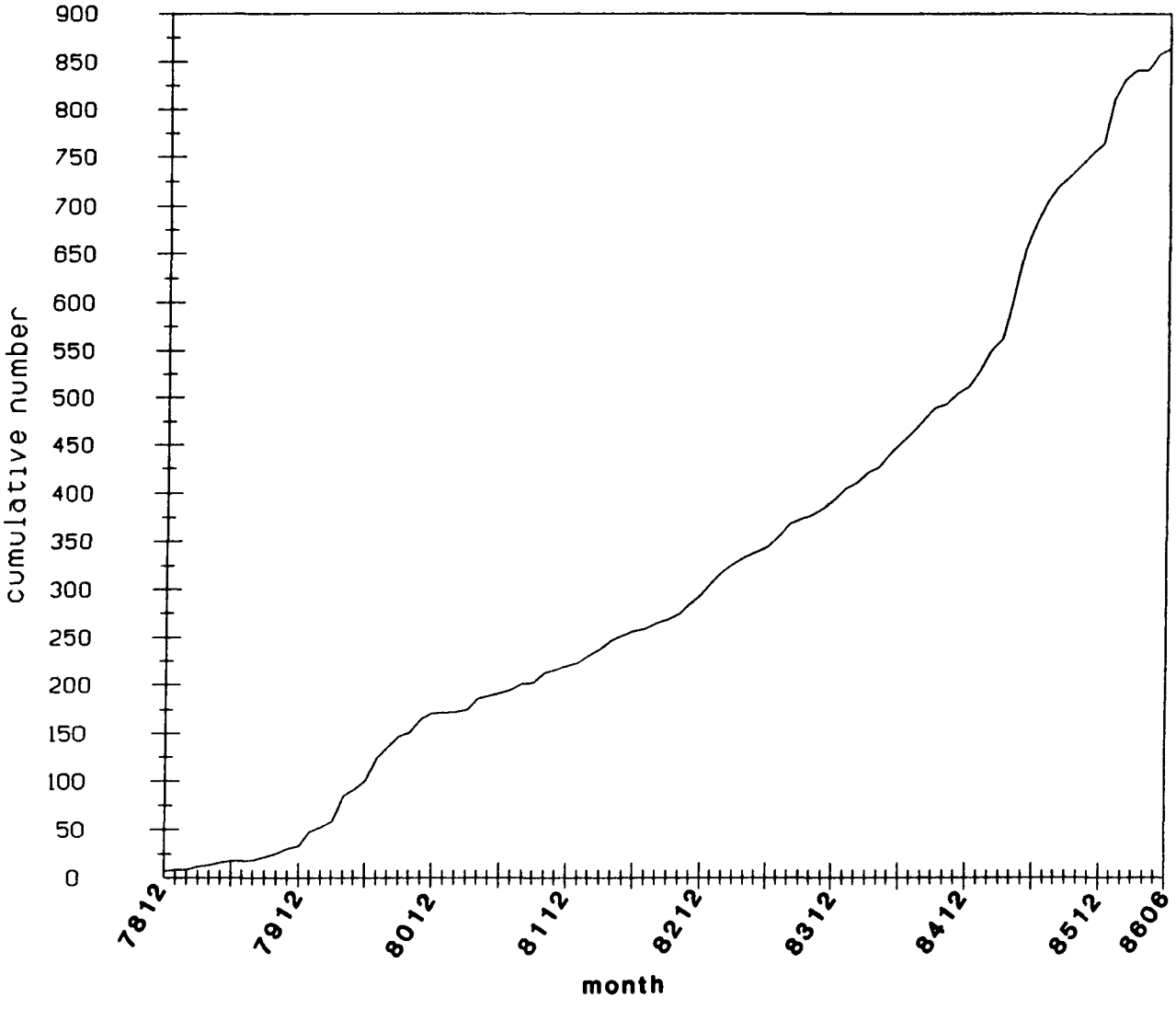

Figure 5.– Cumulative number of earthquakes detected in southern NTS, December, 1978 through June, 1986.

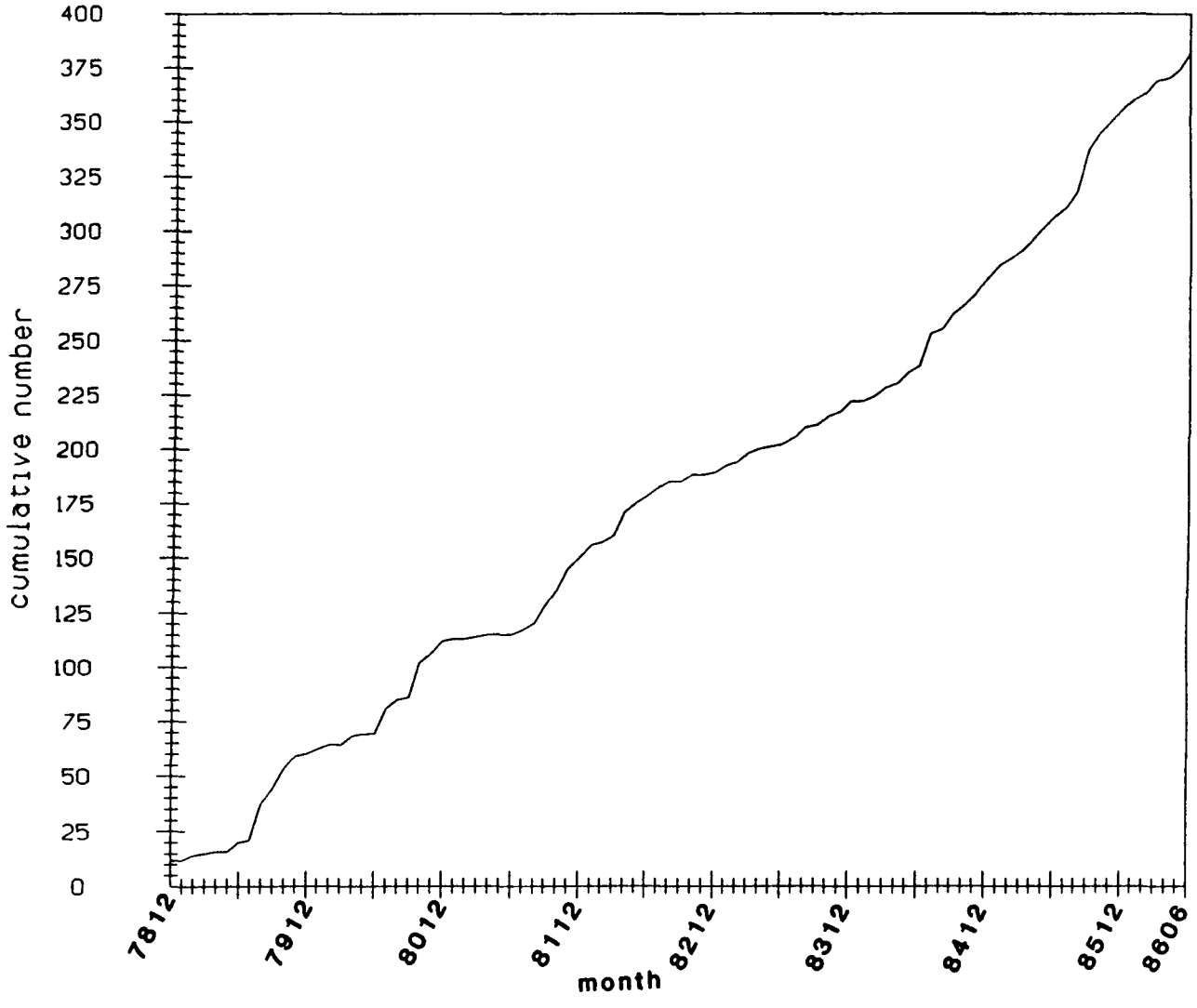

Figure 6.– Cumulative number of earthquakes detected in northern NTS, December, 1978 through June, 1986.

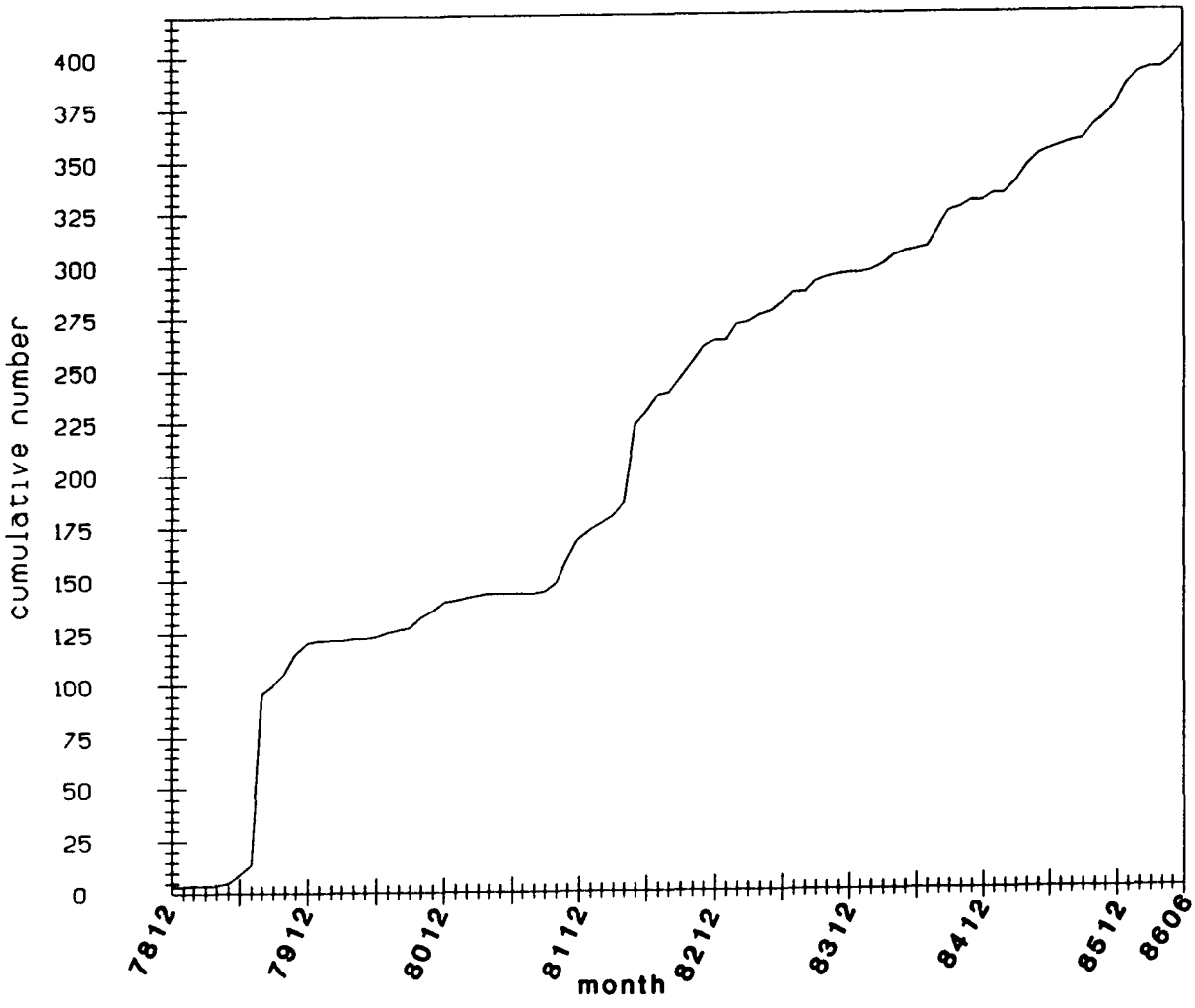

Figure 7.- Cumulative number of earthquakes detected in Pahroc and Pahranagat regions, December, 1978 through June, 1986.

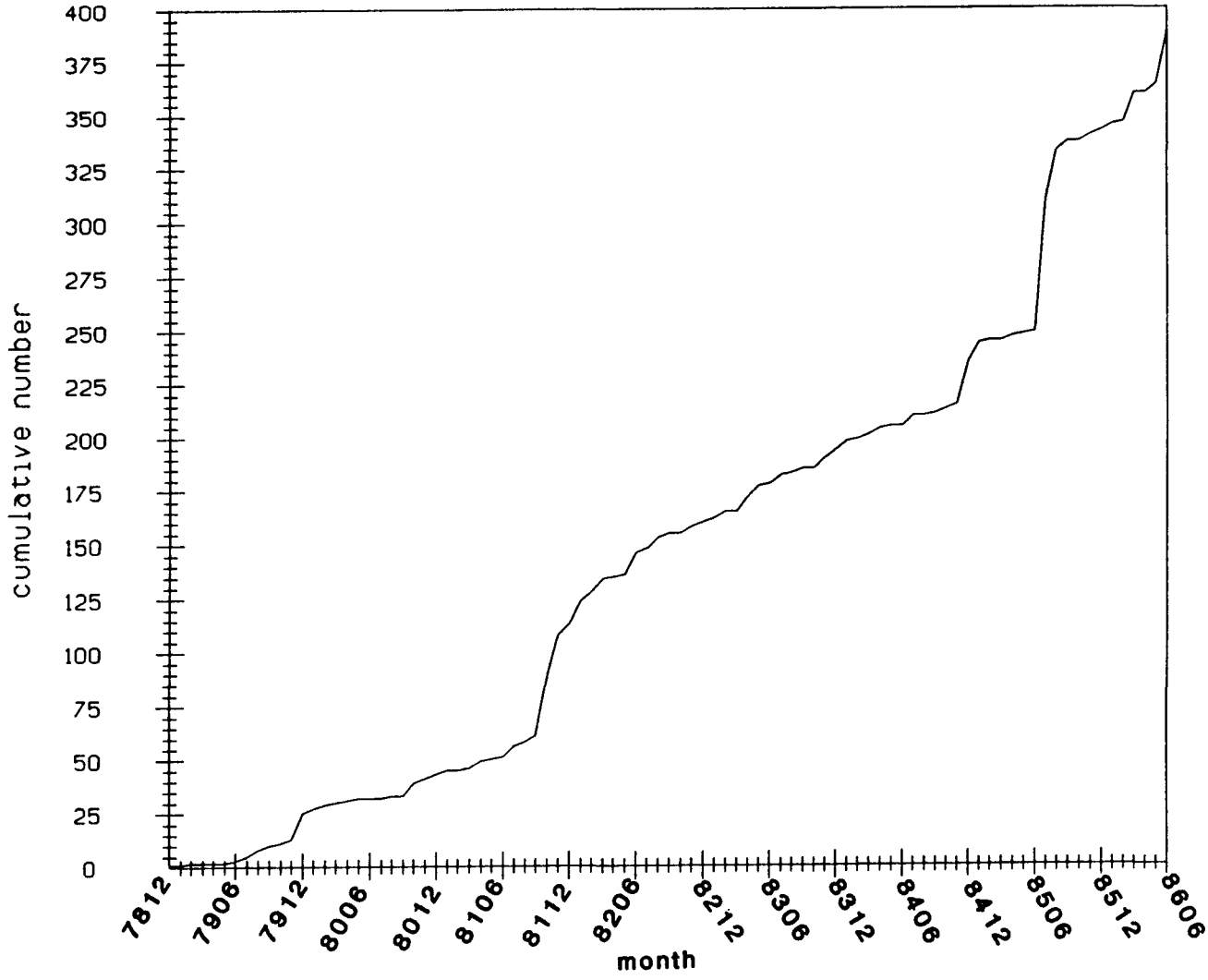

Figure 8.– Cumulative number of earthquakes detected in Sarcobatus Flats, December, 1978 through June, 1986.

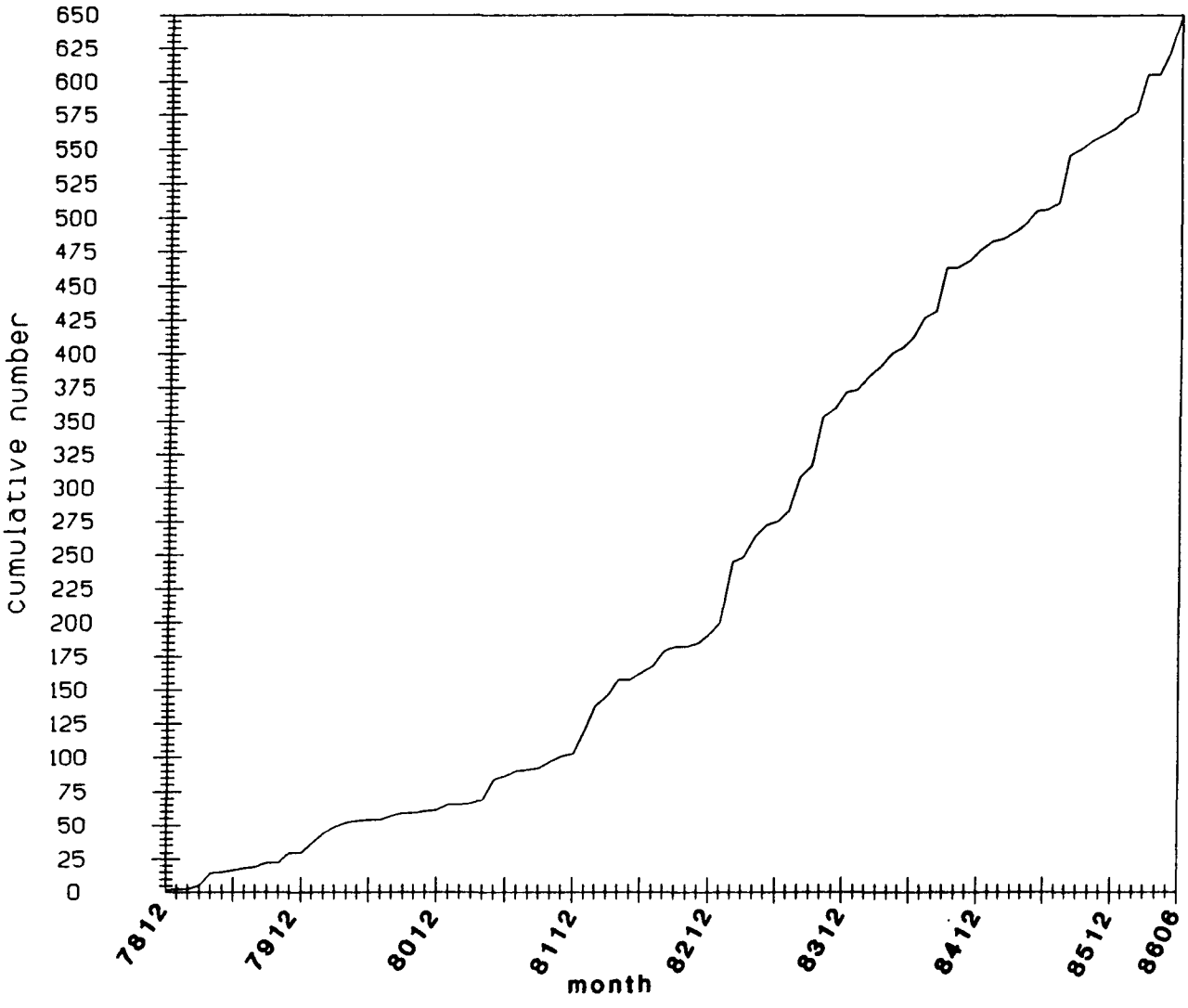

Figure 9.– Cumulative number of earthquakes detected in Grapevine Mountains and Gold Mountain region, December, 1978 through June, 1986.

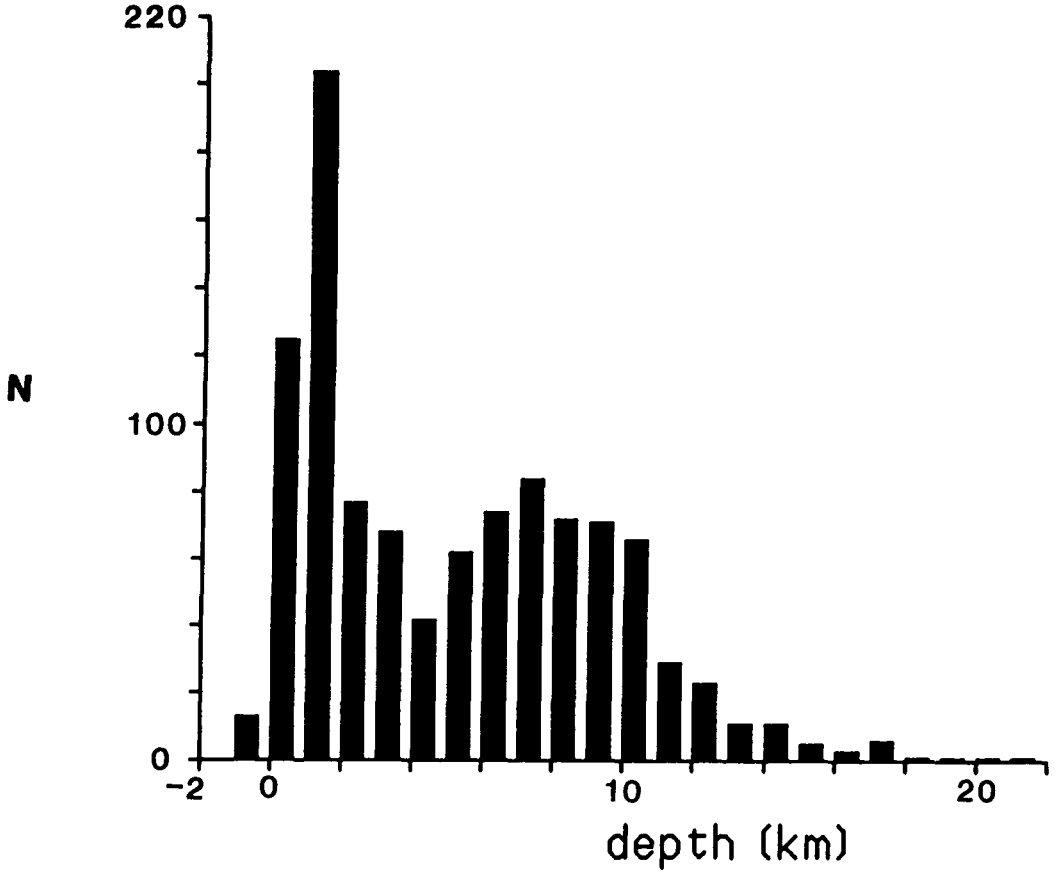

Figure 10.– Depth-of-focus distribution for well-located ("A" and "B" quality) southern Great Basin earthquakes, January 1984 through October 1986.

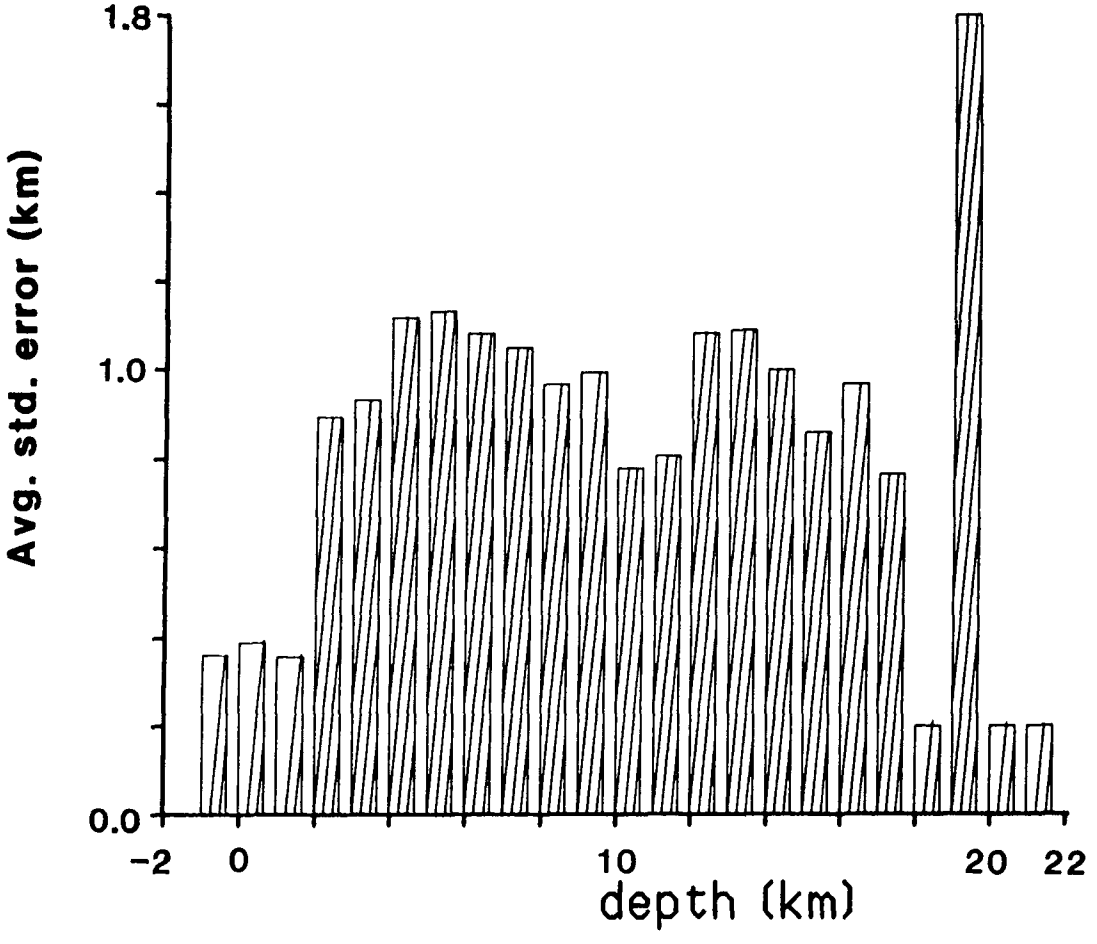

Figure 11.– Average error distribution for depth-of-focus data of Figure 10. The average error is the arithmetic mean of the HYPO71 standard errors in depth (km) for the depth-of-focus data in the intervals shown.

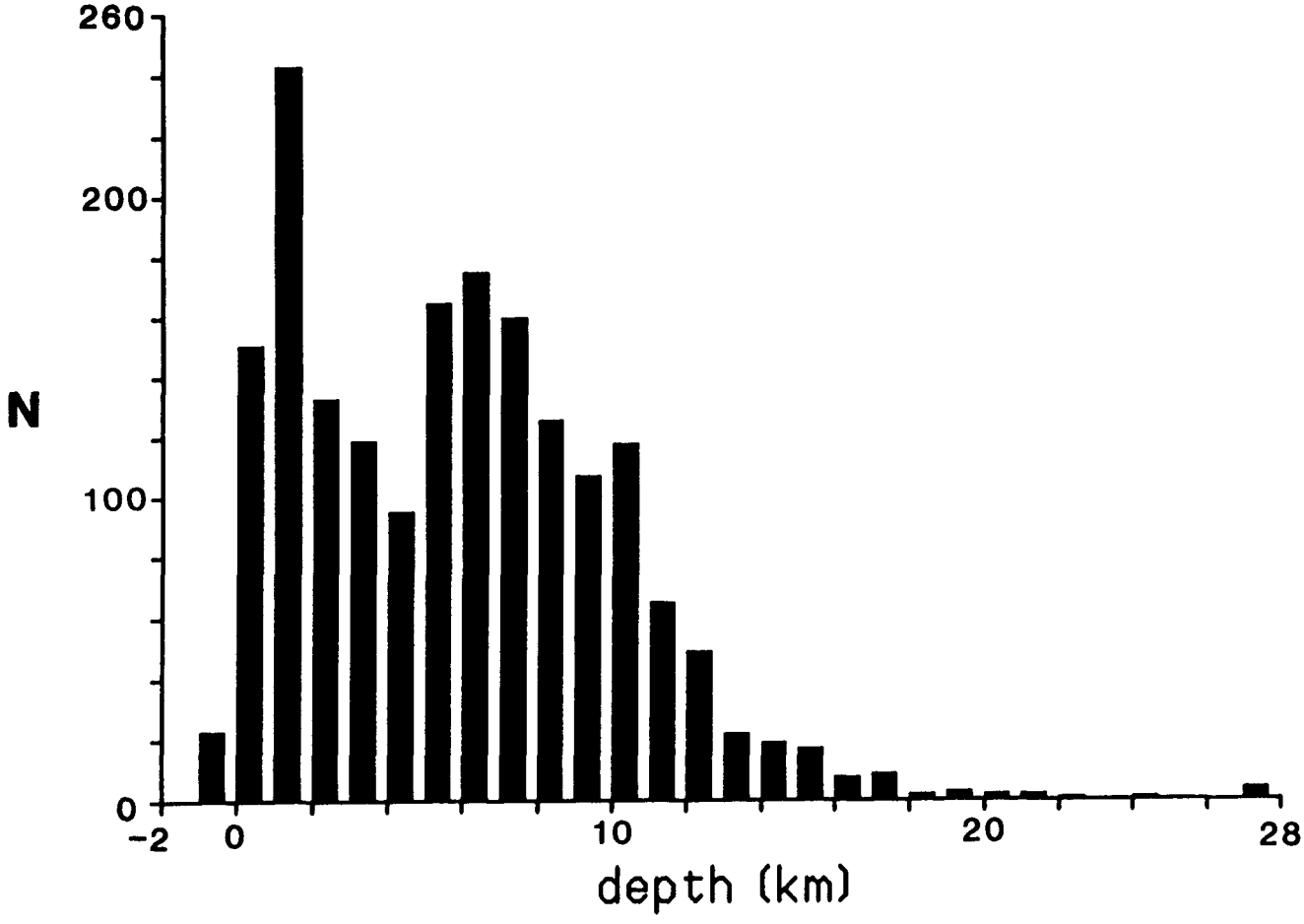

Figure 12.–Depth-of-focus distribution for "A", "B", and "C" quality southern Great Basin earthquake hypocenters, January 1984 through October 1986.

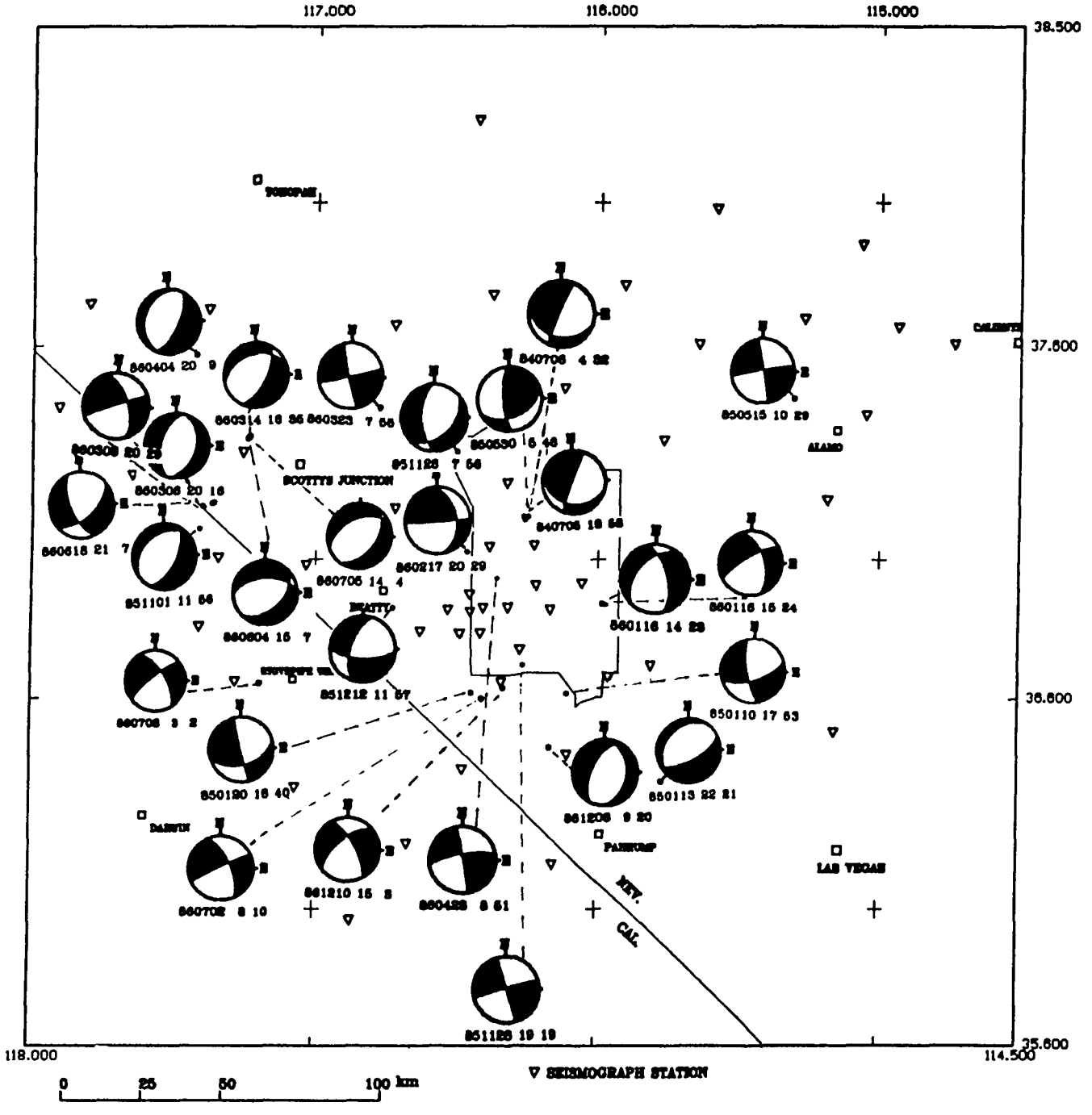

Figure 13.– Twenty-seven focal mechanisms for southern Great Basin earthquakes, 1984 through 1986. Focal mechanisms are plotted as equal-area projections of great circles on the lower hemisphere. The focal mechanism tension (T) axes bisect the *blackened* quadrants.

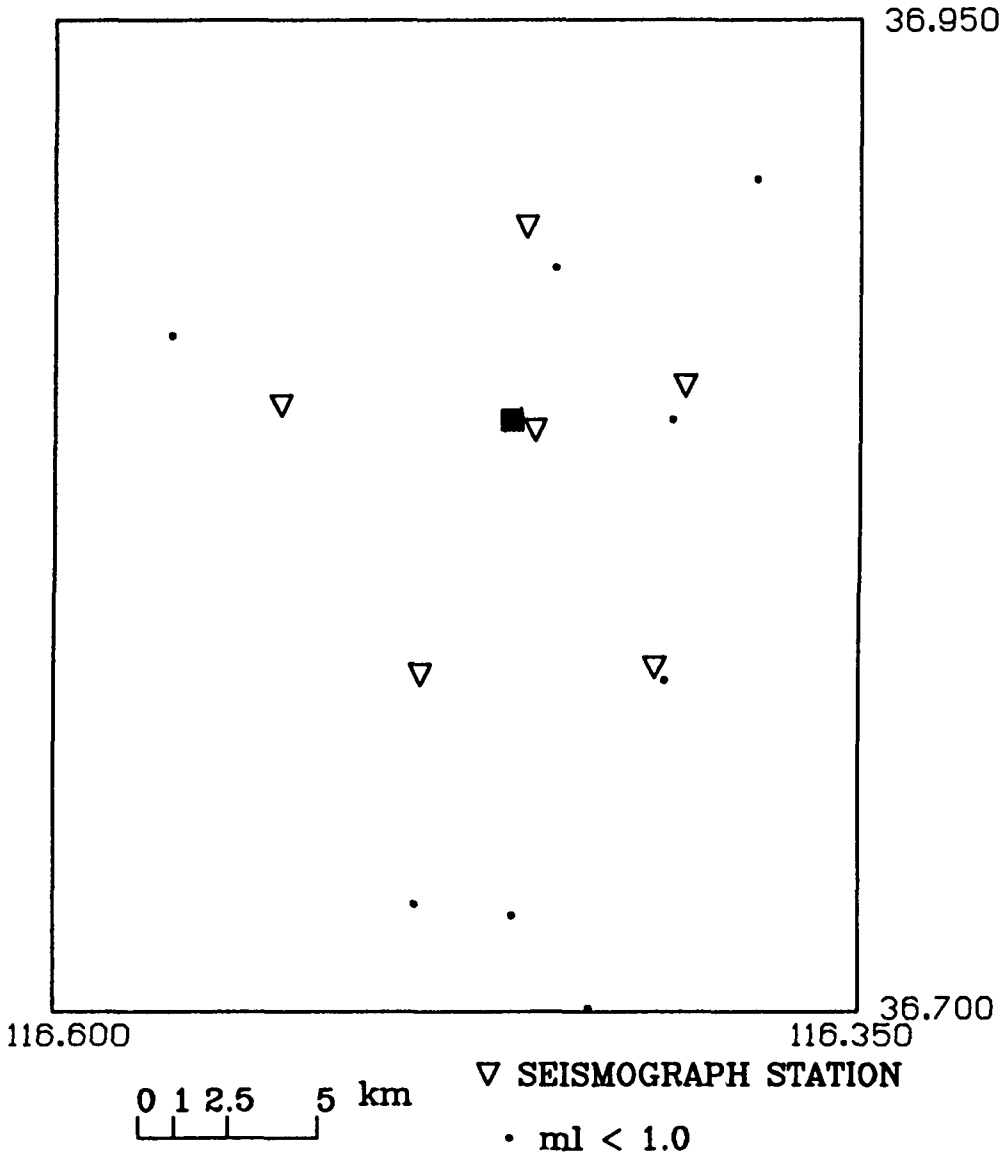

Figure 14.– Map of earthquakes detected at and near Yucca Mountain, 1985 and 1986. The square at the center of the map is the point 36°51′ N., 116°27.50′ W., representing the site of a potential nuclear waste repository.

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Appendix A

Earthquake locations for the years 1984, 1985 and 1986
and maps of quadrangle 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, discussed by Rogers and others (1987). M_d is the duration magnitude estimate, also discussed by 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 or that the depth-of-focus error estimate was very large. 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.

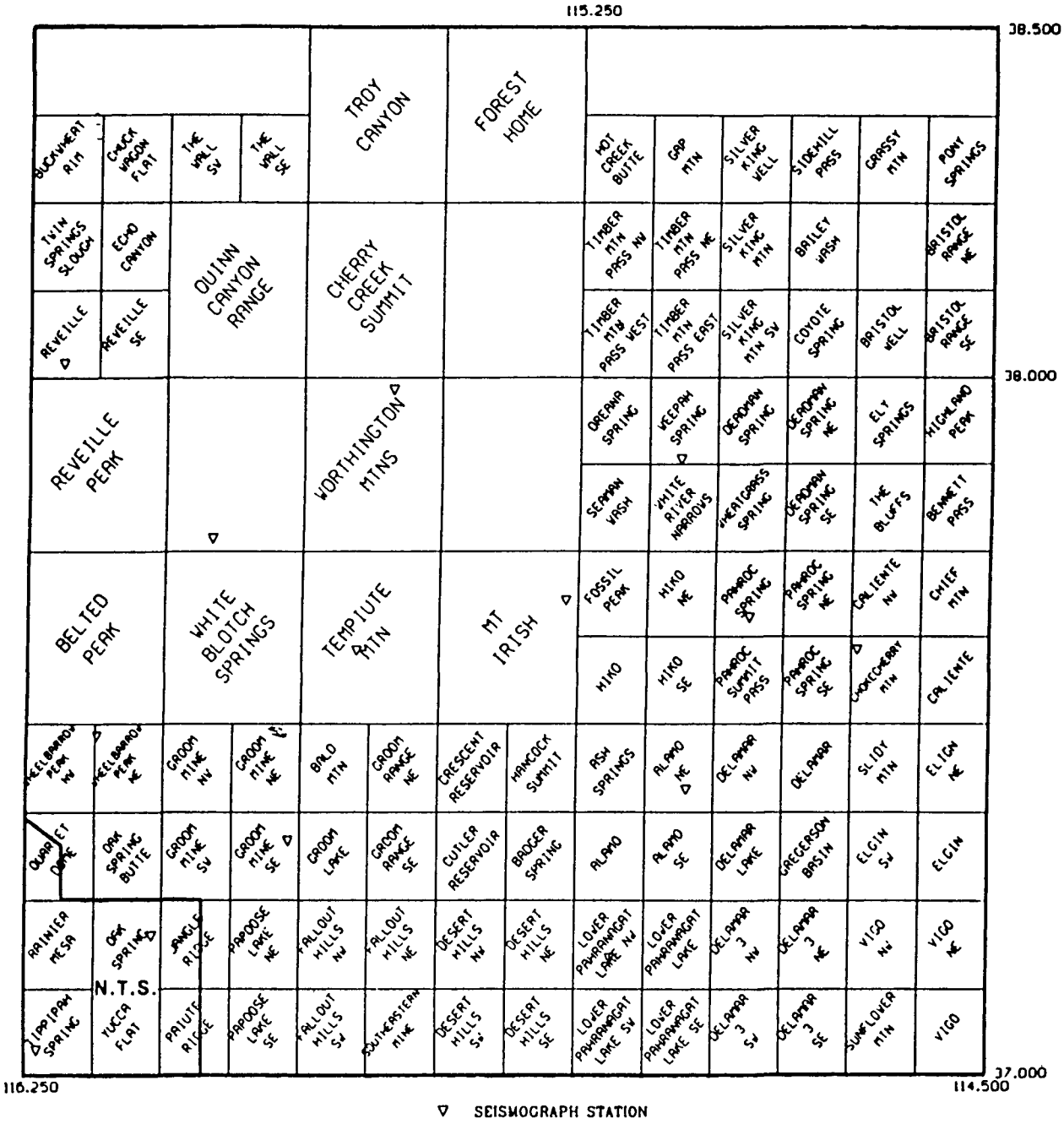

Figure A1.– Quadrangle names in the northeast quarter of the southern Great Basin.

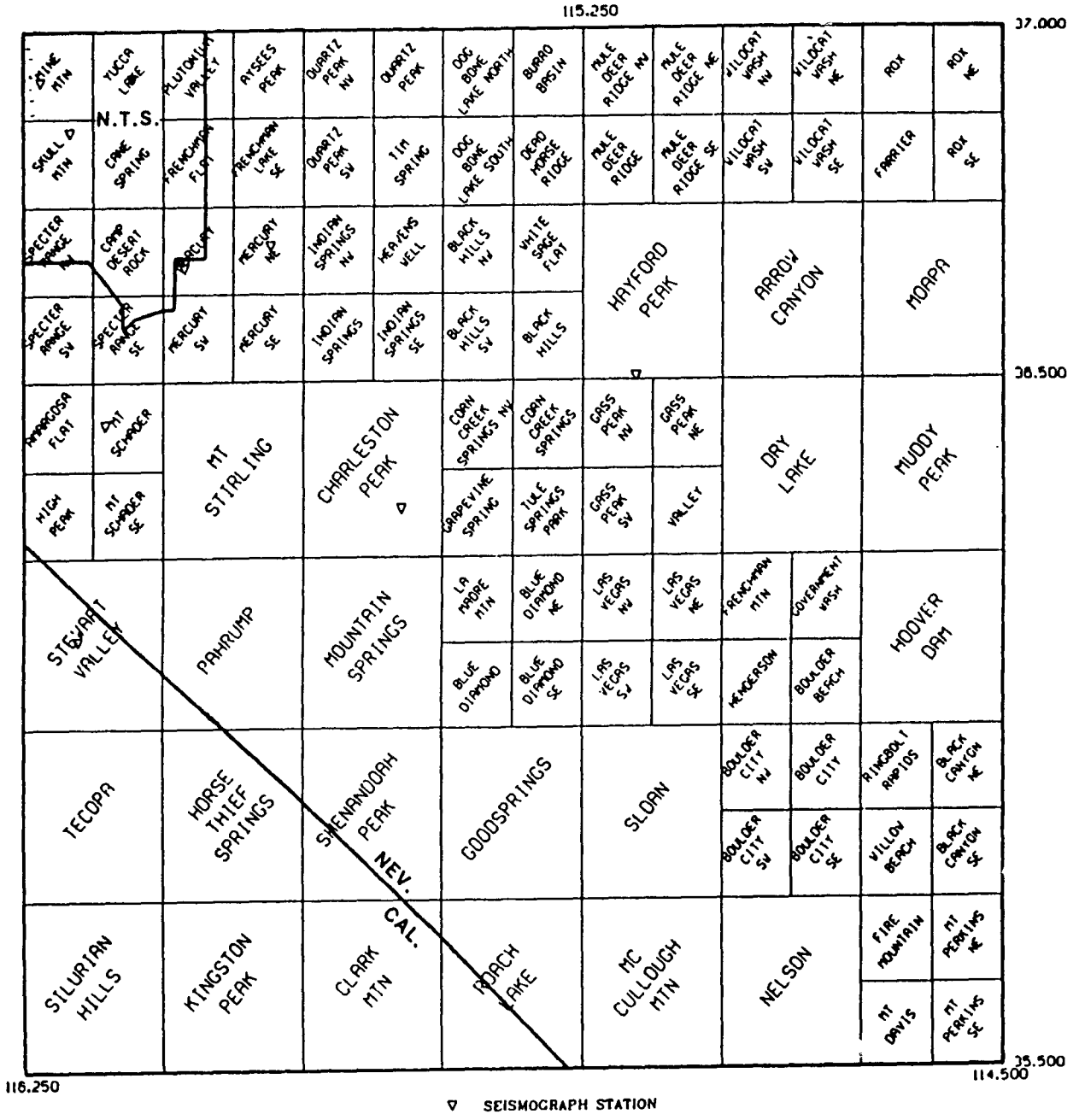

Figure A2.– Quadrangle names in the southeast quarter of the southern Great Basin.

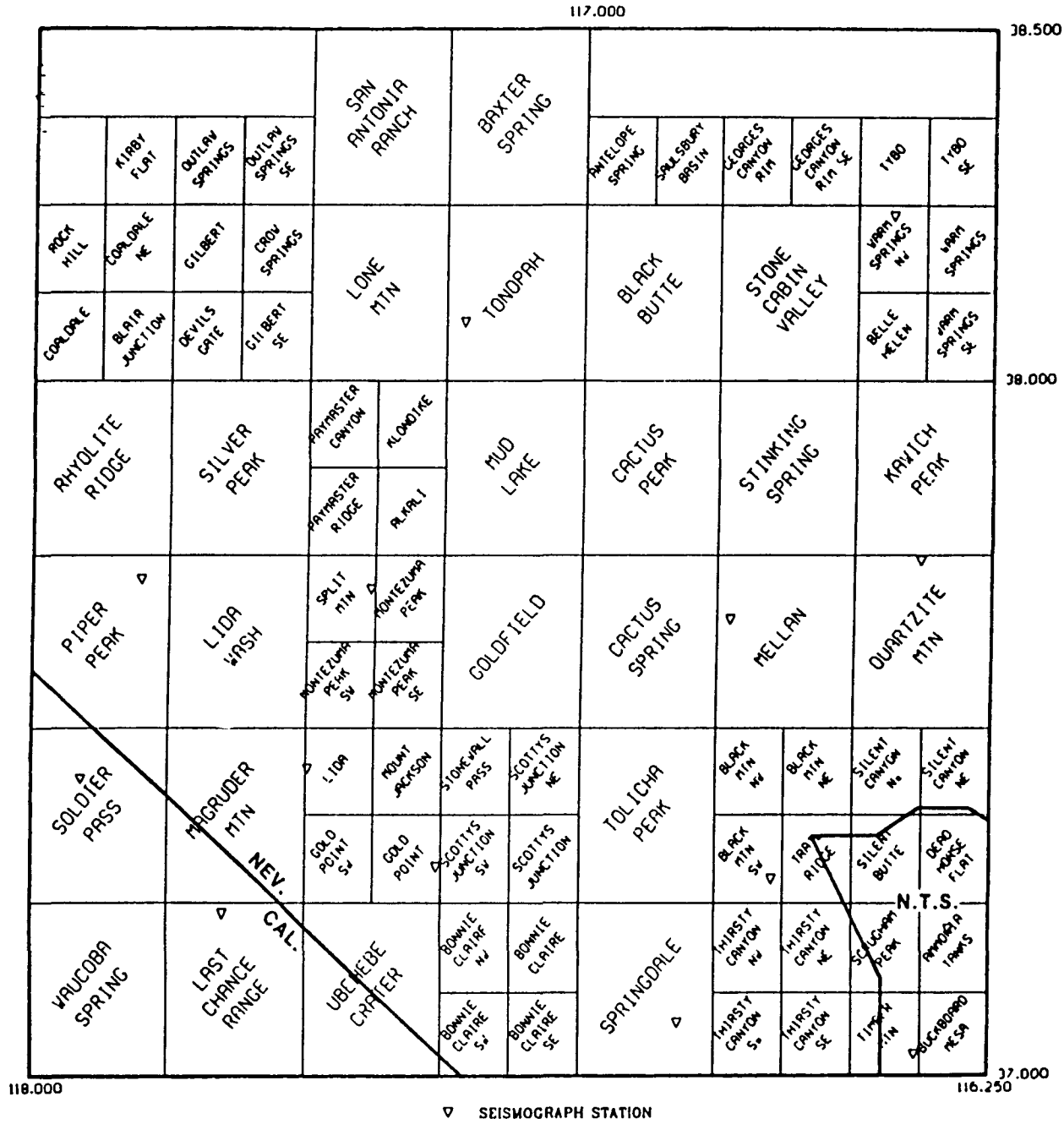

Figure A3.– Quadrangle names in the northwest quarter of the southern Great Basin.

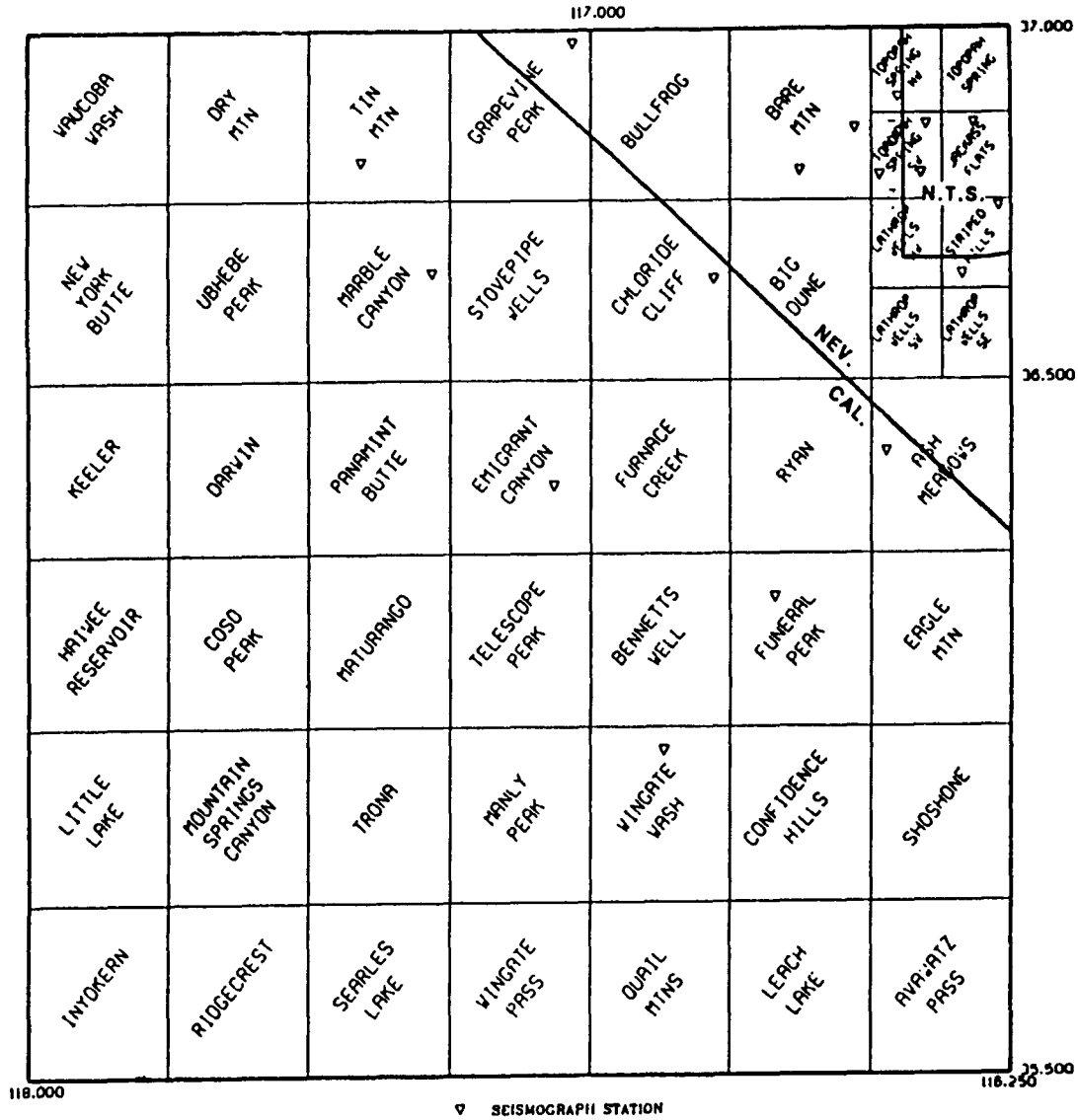

Figure A4.– Quadrangle names in the southwest quarter of the southern Great Basin.

1984 LOCAL HYPOCENTER SUMMARY

DATE	- TIME (UTC)	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	117.083	1.6	2.97	6.3	240	CD	---	1.3	SCOTTYS JUNCTION NE
1	15:22:27	36.717	117.109	0.6	16.25	1.2	164	AC	---	0.7	STOVEPIPE WELLS
2	4: 5:33	36.983	116.456	0.5	11.07	0.7	204	AD	---	0.7	TOPOPAH SPRING NW
3	0:13:18	36.825	116.634	0.6	0.90	0.8	127	BB	---	0.7	BARE MTN
3	15: 5:18	37.449	115.537	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	36.856	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	116.267	0.5	4.86	0.5	151	AC	---	1.0	JACKASS FLATS
8	23:44:14	36.736	116.077	0.8	6.28	3.0	161	BC	---	0.6	CAMP DESERT ROCK
10	4:41:23	37.893	115.973	0.7	3.17*	---	189	CD	---	1.4	***QUAD. NOT LISTED***
10	18:50: 3	36.815	116.704	18.8	0.44*	---	317	DD	---	0.9	BARE MTN
11	3:44:51	37.456	116.933	0.4	7.00**	3.6	105	BC	---	1.8	TOLICHA PEAK
11	18:58: 7	36.714	116.225	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	4.6	2.38*	---	306	CD	---	1.2	HIGHLAND PEAK
14	11:37:52	37.122	116.960	0.4	7.27	1.2	152	AC	---	1.0	SPRINGDALE
15	6: 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	2.62	1.5	129	BC	---	2.1	TEMPIUTE MTN
18	1:44:60	36.708	116.224	0.5	1.45	0.9	219	AD	---	0.8	SPECTER RANGE NW
19	15:38:34	37.122	116.956	0.3	7.02	1.1	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	37.166	117.979	29.9	7.00*	---	265	DD	---	1.3	WAUCOBA SPRING
20	12:16:31	36.325	117.013	8.5	0.93	6.4	196	DD	---	0.9	EMIGRANT CANYON
21	15:40:22	37.069	116.624	0.5	9.86	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	116.689	1.6	9.16	4.6	278	BD	---	1.2	BLACK MTN SW
26	2:14:58	37.613	117.448	0.3	6.58	0.9	122	AB	---	1.1	MONTEZUMA PEAK SW
28	10:50:24	37.330	116.694	1.0	3.20*	---	270	CD	---	0.9	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	116.238	0.3	7.72	0.8	130	AB	---	1.1	SPECTER RANGE NW
FEB 1	22: 2:35	37.020	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	0.6	190	AD	---	1.3	STRIPED HILLS
3	3:21:48	37.452	115.545	1.4	3.98*	---	140	CC	---	1.1	GROOM RANGE NE
3	6:53:35	36.691	116.278	0.4	10.56	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	117.566	0.3	1.56	0.8	73	AC	---	1.3	MAGRUDER MTN
6	4: 9:57	37.695	115.049	0.4	3.78	3.0	115	BC	---	1.3	HIKO NE
6	8:16:58	36.688	116.284	0.4	10.66	0.4	197	AD	---	0.8	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	37.309	114.923	0.8	5.40	4.2	210	BD	---	1.1	DELAMAR LAKE
7	7:43:43	37.221	116.803	0.5	0.60	0.4	254	AD	---	0.9	SPRINGDALE
7	8:19:49	37.881	118.106	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	5.7	280	DD	---	1.2	PIPER PEAK
8	23:20: 7	36.601	116.628	95.0	11.50*	---	335	DD	---	1.4	BIG DUNE
9	4:43:45	36.427	117.856	1.0	5.81*	---	276	CD	---	1.8	KEELER
9	6:35:34	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	3.01*	---	136	CC	---	1.0	THIRSTY CANYON SW
9	21:37:42	37.296	117.877	0.8	5.59	2.8	207	BD	---	1.7	SOLDIER PASS
11	18:18:42	36.666	116.450	0.6	8.81	1.1	243	AD	---	0.8	LATHROP WELLS NW
21	20:25:20	37.686	115.179	1.3	15.88	1.7	136	BC	---	1.3	FOSSIL PEAK
21	23:20:16	37.216	116.522	1.5	8.73	4.8	70	DB	0.9	1.5	THIRSTY CANYON NE
23	1:52:40	37.236	117.610	1.4	7.49	0.6	170	BC	---	1.1	LAST CHANCE RANGE
23	18:34:58	37.213	117.592	0.2	9.51	0.3	160	AC	---	1.3	LAST CHANCE RANGE
23	23:38:51	36.645	116.234	0.7	5.74	1.1	256	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	8.01	0.6	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	35.979	118.171	4.2	-1.10	6.7	279	CD	---	2.0	***REGIONAL***
25	9:27:24	37.878	118.029	5.1	0.35	4.1	294	DD	---	1.4	***REGIONAL***
27	3:14:16	37.227	117.303	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

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FEB 28	21:20:37	37.235	116.496	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	0.65	1.3	268	BD	---	1.4	WINGATE WASH
29	12:44:43	37.095	116.315	0.6	8.67	0.6	203	AD	---	0.9	BUCKBOARD MESA
29	15:57:45	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	270	CD	---	2.1	WINGATE WASH
1	3:40:37	35.887	116.836	4.0	0.66	2.8	268	CD	---	1.5	WINGATE WASH
1	6:31:54	37.232	116.506	0.7	1.82	2.1	157	BC	---	0.9	THIRSTY CANYON NE
1	11: 6:18	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	4:28:16	37.733	115.292	0.7	6.63	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: 8:13	37.564	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	92	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	8.6	0.41	6.3	313	DD	---	1.4	WINGATE WASH
4	8: 0:17	35.929	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	115.399	0.5	6.04	3.0	115	BC	---	1.6	DESERT HILLS NW
6	21:44:58	36.664	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	6.81	0.4	173	AC	---	0.5	JACKASS FLATS
11	14: 4:42	36.746	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	37.682	115.059	0.9	1.75	2.9	109	BC	---	1.1	HIKO NE
16	6:58:27	36.842	116.205	0.4	6.63	0.5	140	AC	---	1.0	SKULL MTN
16	7:28: 7	37.566	115.334	0.6	10.08	1.7	111	AB	---	1.0	MT IRISH
16	10:50:39	37.696	115.201	0.4	2.92	0.8	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	37.955	116.190	1.7	2.49	5.3	232	CD	---	1.4	REVEILLE PEAK
17	17:18:29	37.284	116.338	0.8	-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	100	BB	---	1.5	JACKASS FLATS
20	10:58:38	37.835	115.193	0.5	8.46	1.5	129	AB	---	1.5	SEAMAN WASH
21	7: 0:35	35.958	117.019	2.8	1.35	5.8	256	CD	---	1.4	MANLY PEAK
21	15:45: 2	36.679	116.203	0.3	5.81	1.8	41	BB	---	1.9	SPECTER RANGE NW
21	15:48:32	36.685	116.229	1.0	11.55	0.8	229	BD	---	0.8	SPECTER RANGE NW
21	15:52:57	36.680	116.199	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	18:38:56	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	8.64	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	8: 1:47	37.302	117.819	9.3	10.55*	---	202	DD	---	0.2	SOLDIER PASS
30	7:23:30	36.983	117.783	1.8	2.79	7.0	218	CD	---	1.6	WAUCOBA WASH
30	7:30:47	37.011	117.772	1.0	1.11	2.2	206	BD	---	1.8	WAUCOBA SPRING
31	1:50:28	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	4.8	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	6.76	0.8	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
4	9: 8: 5	37.486	116.860	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

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APR 5	10: 2: 2	37.046	116.741	0.2	8.33	1.2	77	AC	---	1.4	THIRSTY CANYON SW
8	2:13:41	36.687	116.312	0.4	3.38	0.8	172	AC	---	0.3	STRIPED HILLS
9	15:26:42	37.158	116.289	0.4	3.10*	---	136	CC	---	1.1	AMMONIA TANKS
11	11:37:17	36.647	116.950	0.3	2.81	1.7	116	BC	---	1.2	CHLORIDE CLIFF
11	15: 6:26	37.210	116.455	0.4	9.35	0.9	195	AD	---	1.2	SCRUGHAM PEAK
12	1:11:31	36.680	116.318	0.6	11.05	0.6	171	AC	---	0.3	STRIPED HILLS
12	22:27:48	37.234	115.017	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	117.468	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	2.48	1.2	52	BC	1.6	1.8	GROOM MINE NW
16	12: 2: 7	37.884	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	114.701	6.8	1.06*	---	304	DD	---	1.4	ELGIN SW
18	17:44:37	37.721	115.001	0.7	2.88	1.6	137	BC	---	1.6	HIKO 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	37.150	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	36.364	117.224	0.7	1.49	1.7	239	AD	---	1.4	EMIGRANT CANYON
22	3:23:28	37.242	117.550	0.2	9.67	0.4	100	AB	---	1.6	LAST CHANCE RANGE
22	13:44:52	36.634	115.694	0.4	-0.26	1.6	70	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
25	14: 2:37	36.890	116.305	---	0.14	---	194	AD	0.6	---	TOPOPAH SPRING
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	115.047	0.8	1.08	3.0	115	BC	---	1.1	HIKO 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	0.5	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	0.5	149	AC	---	1.1	TIPPIPAH SPRING
3	0:11: 7	36.707	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	0.6	1.54	1.4	190	BD	---	1.0	SKULL MTN
6	19:34:36	36.742	116.251	0.7	4.35	0.7	234	AD	---	0.6	STRIPED HILLS
7	8:55:40	36.495	116.296	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	36.603	116.065	1.9	11.58	3.2	209	BD	---	1.2	SPECTER RANGE SE
8	17: 4: 2	37.509	115.621	0.6	4.69	2.5	112	BC	---	1.3	TEMPIUTE MTN
9	4:10:33	37.077	116.218	0.4	5.13	1.5	160	AC	---	1.2	TIPPIPAH SPRING
9	12:23:60	37.132	116.009	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	HIKO NE
12	21:10:37	36.665	116.461	1.6	5.38	2.6	261	BD	---	0.8	LATHROP WELLS NW
12	21:23:55	36.725	116.118	0.6	4.93	2.5	195	BD	---	1.0	CAMP DESERT ROCK
13	8:20:49	37.565	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	37.568	117.123	0.3	3.31*	---	97	CC	---	1.6	GOLDFIELD
13	15:35:25	36.869	116.257	0.7	4.60	1.4	135	AB	---	0.3	JACKASS FLATS
16	9: 6:42	37.691	115.044	0.6	2.10	1.6	115	BC	---	0.8	HIKO 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	1:47:28	36.441	117.922	1.5	0.87	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	128	BB	---	0.6	SPECTER RANGE NW
19	12: 7: 7	37.231	117.636	1.1	5.69	1.7	201	CD	---	1.9	WAUCOBA SPRING
21	22:34:30	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	HIKO NE
23	14: 3:19	37.148	116.951	0.7	9.87	2.3	163	BC	---	1.0	SPRINGDALE
23	18:54: 3	36.794	116.751	18.6	0.12*	---	335	DD	---	1.4	BULLFROG

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MAY 24	13:45:17	37 292	114.945	1.1	5.67	3.6	205	BD	---	1.5	DELAMAR LAKE
24	14:59:13	37.156	117.405	0.2	-0.09	0.4	112	AC	---	1.8	UBEHEBE CRATER
25	2: 5:21	36.709	116.236	0.4	0.01	0.8	122	AC	---	1.0	SPECTER RANGE NW
25	9:43:47	37.081	116.153	0.1	5.03	0.1	192	AD	---	0.7	TIPPIPAH SPRING
25	15: 8:23	35.900	116.771	---	1.10	---	294	AD	---	1.1	WINGATE WASH
25	16:44:46	37.084	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	37.706	115.010	1.5	6.15	3.9	130	BB	---	0.7	HIKO NE
26	14:13:56	36.712	116.217	0.5	4.25	4.0	126	BC	---	1.1	SPECTER RANGE NW
29	16: 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	116.918	4.6	10.81	8.9	193	CD	---	1.2	FURNACE CREEK
31	2:11:36	37.763	116.006	0.6	1.64	2.3	151	BC	---	1.4	REVEILLE PEAK
31	19:55:12	36.859	117.410	1.0	11.55	1.0	155	BC	---	1.3	TIN MTN
JUN 1	16:28:52	36.323	117.295	2.6	2.61	9.2	257	CD	---	1.4	PANAMINT BUTTE
2	6:35:23	37.233	114.561	1.4	10.45	1.0	243	BD	1.9	1.9	VIGO NE
3	15:30:14	37.638	118.386	25.3	3.12	9.4	305	DD	2.1	---	***REGIONAL***
4	9: 5:45	37.087	116.035	0.8	7.81	2.1	179	BC	---	0.8	YUCCA FLAT
6	10:51:15	37.072	116.951	0.4	7.87	1.1	97	AB	1.0	---	SPRINGDALE
7	21:13:32	37.623	114.476	99.0	2.50*	---	351	DD	---	1.3	***REGIONAL***
8	21:14:35	37.015	116.186	0.2	2.99	0.4	93	AB	---	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	117.407	0.6	0.97	1.1	156	AC	---	1.1	UBEHEBE CRATER
13	12:46:12	36.637	116.338	0.5	4.14	0.7	167	AC	---	1.2	STRIPED HILLS
15	8:48:16	36.743	116.169	0.4	4.33	2.0	90	BB	1.0	---	SPECTER RANGE NW
15	9:23:36	37.551	115.765	0.5	3.29	4.1	109	BC	1.7	---	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	115.688	0.4	6.54	1.0	128	AB	1.7	1.6	INDIAN SPRINGS NW
18	23: 2:47	36.724	116.058	1.4	3.90	9.0	163	CC	0.7	0.9	CAMP DESERT ROCK
18	23:18:17	36.545	116.244	0.2	0.93	0.6	99	AC	0.9	---	SPECTER RANGE SW
19	1:35:51	36.553	116.237	0.8	1.89	1.4	255	AD	0.7	---	SPECTER RANGE SW
21	12:30:41	36.720	116.272	0.3	0.51	0.1	183	AD	---	0.5	STRIPED HILLS
23	7:44:30	37.345	117.342	0.7	0.21	0.8	148	BC	1.1	0.9	GOLD POINT
23	8:11:25	37.265	117.403	0.5	0.76	1.4	141	AC	1.2	---	GOLD POINT SW
23	8:42:23	37.352	117.345	0.7	2.56	1.5	150	BC	1.1	1.1	GOLD POINT
23	10: 7:11	37.336	117.344	1.3	4.62	2.6	144	BC	---	1.2	GOLD POINT
23	14:20:22	37.295	117.378	0.6	-0.05	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	196	BD	---	0.9	CANE SPRING
26	5:28:39	36.777	116.057	0.8	7.17	1.6	196	AD	---	0.6	CANE SPRING
26	18:13:48	36.705	116.261	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	266	AD	---	0.6	STRIPED HILLS
26	19:28:25	36.701	116.273	0.3	9.60	0.4	125	AB	---	0.6	STRIPED HILLS
27	9:52:25	36.700	116.272	0.4	10.07	0.6	126	AB	---	0.9	STRIPED HILLS
29	8:13:58	37.209	115.975	0.3	4.75	5.7	146	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: 8:18	36.793	116.204	0.2	2.42	0.3	102	AB	---	0.5	SKULL MTN
2	19:25:17	36.955	117.606	0.5	5.76	3.4	189	BD	---	1.9	DRY MTN
3	12:31:10	36.628	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	115.899	0.5	13.30	0.7	185	AD	1.1	1.1	FRENCHMAN FLAT
4	23: 6:14	36.795	115.895	0.7	14.04	0.9	190	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	1.0	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	116.270	0.7	8.65	1.8	147	BC	---	1.1	AMMONIA TANKS
6	4:32:46	37.122	116.264	0.4	5.66	2.0	75	BB	---	1.6	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	116.976	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

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JUL 7	9:59:15	36.751	116.277	0.3	7.55	0.3	118	AB	0.6	0.7	JACKASS FLATS
7	16:41:25	37.439	116.997	0.2	2.89	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
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	36.961	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	-0.74	0.7	140	BC	1.6	1.5	YUCCA FLAT
10	17:17:41	36.965	116.481	8.4	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	0.9	0.8	FURNACE CREEK
11	16:48: 9	36.882	116.033	0.6	14.83	0.8	211	AD	0.7	0.8	YUCCA LAKE
11	19: 0:20	36.443	116.803	0.6	6.12	5.2	120	CC	0.9	1.0	FURNACE CREEK
12	2:51:59	38.175	116.717	1.1	1.55	3.4	193	BD	1.5	1.6	STONE CABIN VALLEY
12	3:29:15	37.128	116.282	0.5	3.93	1.9	215	AD	0.7	0.3	AMMONIA TANKS
12	17:29:28	36.861	117.746	1.0	1.50	4.7	206	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	7.86	4.2	144	CC	1.1	1.1	MAGRUDER MTN
14	16:45:26	37.389	117.706	1.1	5.58	5.3	149	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	110	BC	1.4	1.3	UBEHEBE CRATER
15	19:15:33	36.475	115.952	0.2	11.62	0.9	120	AB	1.3	1.7	MT STIRLING
17	12:22: 7	37.306	114.681	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	13:45:43	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	37.561	115.779	0.4	6.54	1.2	103	AB	1.5	1.5	WHITE BLOTCH SPRINGS
17	19: 3:49	37.362	117.739	0.6	3.10*	---	146	CD	0.9	1.2	MAGRUDER MTN
17	22:17:24	36.689	116.253	0.4	4.01	1.2	141	AC	0.8	0.7	STRIPED HILLS
17	23:14:16	36.825	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	5.86	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	0.8	1.2	TIN MTN
18	21: 7:42	37.083	117.409	0.4	12.30	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	207	CD	1.8	1.9	QUINN CANYON RANGE
20	9:57:20	37.160	117.404	0.7	6.03	4.2	110	BC	1.4	1.4	UBEHEBE CRATER
24	2: 3:47	36.648	115.930	1.3	7.69	0.7	331	BD	0.5	0.8	MERCURY
24	9:26: 7	36.679	116.240	1.0	1.74	3.0	213	BD	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	116.378	1.6	9.38	5.0	107	CC	2.3	---	SILENT BUTTE
26	14:31:27	37.132	116.282	1.0	2.23	1.0	295	BD	0.7	0.7	AMMONIA TANKS
26	14:31:22	38.206	117.874	2.2	3.27*	---	267	CD	1.8	1.4	COALDALE NE
26	19: 9: 6	38.357	117.322	2.3	0.66	5.4	249	CD	2.2	---	SAN ANTONIA RANCH
27	9:38: 9	37.670	115.061	0.3	2.50	1.0	168	AC	1.1	1.0	HIKO NE
27	15:42:35	37.474	116.763	1.9	11.41	7.9	123	CB	1.3	1.0	TOLICHA PEAK
29	16: 6:23	38.200	117.859	3.4	0.74	2.5	265	CD	2.2	1.8	COALDALE NE
30	13: 7:11	37.271	116.403	0.4	0.32*	---	53	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	96	BB	0.8	1.1	SKULL MTN
31	20:53:35	36.783	116.788	3.0	1.04*	---	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: 1:46	37.009	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	105	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: 8:45	37.991	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	36.830	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	0.8	0.9	DELAMAR LAKE
5	5:56:15	36.388	117.248	0.6	5.49	1.8	199	BD	1.3	1.3	EMIGRANT CANYON
6	8:11:18	37.170	115.042	1.6	11.55	1.4	206	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	13:18:60	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

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AUG 8	7:38:48	36.742	116.252	1.7	7.00**	1.3	155	BC	0.2	0.7	STRIPED HILLS
10	0:41:38	36.231	116.875	0.4	2.82	1.8	202	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
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	116.199	0.3	7.16	1.4	140	AC	0.4	0.7	SPECTER RANGE SW
12	20:28:11	36.555	116.198	0.6	8.49	1.8	86	BB	1.0	0.7	SPECTER RANGE SW
13	7:53:13	36.706	116.289	0.2	7.31	0.3	113	AB	0.5	0.6	STRIPED HILLS
16	21:17:48	37.856	118.018	4.0	0.86	4.3	278	CD	1.9	1.7	***REGIONAL***
19	2:22:35	38.384	118.113	6.9	8.69	2.6	286	DD	---	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	36.032	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	185	BD	0.7	1.1	SPECTER RANGE SW
20	7:39:58	36.545	116.257	1.5	2.35	2.3	192	BD	0.9	1.2	LATHROP WELLS SE
22	3:41:25	36.025	116.113	2.3	0.85	1.8	263	BD	1.5	---	STEWART VALLEY
22	8:14: 8	38.307	116.420	2.3	5.45	2.1	235	CD	2.0	2.3	TYBO
23	5: 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	116.029	5.6	3.90*	---	242	DD	0.3	0.7	CANE SPRING
28	2:33:52	37.648	116.057	---	7.00**	---	267	AD	---	0.2	BELTED PEAK
28	3: 5:46	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	1.5	106	AC	1.1	1.0	MT SCHADER SE
28	14:26: 6	37.851	118.113	1.4	5.37	1.9	294	BD	1.6	---	***REGIONAL***
28	16: 8: 9	37.397	115.071	1.4	5.69*	---	133	CC	1.6	---	ALAMO NE
28	16:30:56	37.408	115.092	0.7	8.81	1.8	156	BC	1.6	---	ALAMO NE
28	18:54: 9	37.051	115.614	---	3.21	---	180	AD	1.1	1.4	SOUTHEASTERN MINE
28	20:43:13	37.819	117.951	4.9	-1.18*	---	256	CD	1.7	---	RHYOLITE RIDGE
28	22:22:43	36.443	117.907	2.9	-1.12	2.2	259	CD	1.5	---	KEELER
29	0:32:45	37.364	115.064	0.5	-0.54	0.5	160	AC	1.4	1.5	ALAMO SE
29	4: 8:22	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	105	AC	1.1	---	REVEILLE PEAK
29	5:37:21	37.660	117.800	4.8	1.05*	---	195	CD	0.8	1.1	PIPER PEAK
29	6: 7:41	37.154	116.606	0.7	10.55	3.1	180	BC	0.8	---	THIRSTY CANYON NE
29	7: 6:15	37.141	116.476	0.3	2.13	0.9	112	AC	1.0	1.2	SCRUGHAM PEAK
30	5:22: 3	36.764	118.196	0.9	5.30	2.4	285	BD	1.7	---	***REGIONAL***
30	8: 1: 1	37.157	116.603	0.5	9.13	2.0	104	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	37.044	117.511	0.4	6.66	1.7	170	AC	1.6	2.2	LAST CHANCE RANGE
SEP 1	16:45:34	37.849	118.178	2.0	-0.17	1.4	281	CD	1.8	---	***REGIONAL***
1	18:18:40	37.449	114.592	1.9	8.27	1.2	242	BD	1.8	---	ELIGN NE
2	5: 0:42	37.399	115.070	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	182	CD	1.4	1.4	ALAMO SE
2	11:13:54	36.405	118.046	0.9	3.95	2.0	252	BD	1.7	2.1	***REGIONAL***
2	12: 3:11	37.413	115.086	0.6	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	12:29:40	37.383	115.067	0.5	7.68	3.8	175	BC	1.4	1.4	ALAMO NE
2	16:17: 6	36.696	115.654	0.6	5.10	1.3	241	AD	---	0.5	INDIAN SPRINGS NW
2	23:55:41	36.738	115.655	0.5	5.97	1.5	194	AD	1.6	1.1	INDIAN SPRINGS NW
3	0: 8:30	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	116.160	0.2	0.95	0.2	154	AC	1.4	1.3	SKULL MTN
3	19:23:33	36.695	115.558	0.4	8.82	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	117.640	0.2	11.80	0.5	161	AC	---	1.4	LAST CHANCE RANGE
4	0:37:57	36.656	115.563	0.6	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	9.3	128	DC	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: 6	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	6.74	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	54	AC	2.1	2.2	THIRSTY CANYON NE
5	6:18: 5	37.167	116.596	0.2	6.98	0.8	102	AC	---	0.8	THIRSTY CANYON NE
5	15:57:15	37.160	116.593	0.3	6.29	1.4	100	AC	1.3	0.8	THIRSTY CANYON NE
5	20:57:47	37.621	114.885	3.6	2.05	8.9	150	CC	0.6	1.1	PAHROC SUMMIT PASS
6	18:37:25	36.988	116.207	0.7	0.44	0.6	186	AD	1.6	0.8	MINE MTN

1984 LOCAL HYPOCENTER SUMMARY

DATE	TIME (UTC)	LATITUDE (DEG. N)	LONGITUDE (DEG. W)	HORIZ ERROR (KM)	DEPTH (KM)	VERT ERROR (KM)	AZI GAP (DEG)	QUAL	Md	Mblg	QUADRANGLE
SEP 7	1:22:20	36.975	116.319	0.2	4.92	0.9	92	AB	---	0.5	TOPOPAH SPRING
7	14:51:39	35.218	117.712	3.3	15.33•	---	315	DD	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
7	16: 5:25	37.158	117.382	0.5	6.03	1.4	223	AD	---	0.8	UBEHEBE CRATER
7	16:18:38	37.153	117.390	0.7	8.95	2.4	121	BB	---	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	16:26:26	37.151	117.389	0.2	8.68	0.7	109	AB	2.0	1.9	UBEHEBE CRATER
7	16:36:27	37.156	117.393	0.2	9.40	0.5	109	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	108	AB	1.8	1.5	UBEHEBE CRATER
7	17:13:47	37.158	117.388	0.3	8.25	1.1	108	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	17:19:42	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	2.6	7.00••	1.8	262	CD	1.6	---	TRONA
8	11:50:29	37.154	117.388	0.3	10.37	0.8	109	AB	1.5	---	UBEHEBE CRATER
10	2:33: 9	36.704	115.609	0.5	3.79	5.2	293	CD	---	1.4	HEAVENS WELL
10	7:21:43	37.010	116.895	3.6	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	---	0.5	STRIPED HILLS
10	10:35:45	36.712	115.617	0.8	5.46	5.2	263	CD	1.8	1.9	HEAVENS WELL
12	13: 2:36	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	---	0.9	FRENCHMAN FLAT
14	23: 7:10	36.627	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	118	AB	1.8	1.0	EMIGRANT CANYON
15	22: 0:46	37.312	115.221	0.4	10.80	0.9	114	AB	---	1.3	ALAMO
16	6:49:38	38.958	115.630	6.9	10.03	2.1	291	DD	2.4	---	•••REGIONAL•••
16	18:42: 3	38.920	115.324	5.8	-0.89	3.8	289	DD	1.8	---	•••REGIONAL•••
18	3:21:31	37.465	115.426	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	1:36:59	37.142	117.944	2.2	2.73	7.4	301	CD	1.0	1.2	WAUCOBA SPRING
19	2:32:30	35.995	114.687	2.1	0.10	1.7	303	BD	2.1	1.7	RINGBOLT RAPIDS
19	2:32:51	35.860	114.719	3.3	2.11	2.9	303	CD	---	1.8	WILLOW BEACH
20	9:34:45	37.227	117.866	0.7	6.12	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	5:10:29	37.216	117.896	0.5	8.95	1.8	221	AD	1.8	1.3	WAUCOBA SPRING
21	5:10:10	37.212	117.863	0.6	5.62	2.9	213	BD	1.3	1.3	WAUCOBA SPRING
21	7:19:18	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	15.90	1.4	112	AB	0.7	1.2	EMIGRANT CANYON
21	11:20:58	36.392	117.049	0.7	18.69	1.2	126	AB	1.8	1.1	EMIGRANT CANYON
21	13:50:53	37.579	118.672	3.7	13.00	1.7	309	CD	2.4	---	•••REGIONAL•••
21	20: 6:44	37.934	118.473	19.0	6.35	7.7	296	DD	2.0	---	•••REGIONAL•••
22	11:38:31	36.695	116.279	0.7	4.08	0.9	218	AD	---	0.9	STRIPED HILLS
22	11:47:31	36.683	116.288	0.4	1.06•	---	215	CD	---	0.8	STRIPED HILLS
22	19:50:56	36.313	118.329	2.4	-1.81	1.9	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	115.150	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	37.164	117.399	0.5	9.05	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	17:21:38	37.160	117.404	0.1	2.20	0.3	122	AC	1.9	1.5	UBEHEBE CRATER
24	21:14:55	36.672	116.427	0.2	8.89	0.5	119	AB	1.8	0.9	LATHROP WELLS NW
24	21:14:16	36.675	116.419	0.3	6.95	0.5	191	AD	0.9	1.1	LATHROP WELLS NW
24	22:43:17	37.034	115.960	0.2	-0.12	0.3	117	AC	1.6	1.4	PAIUTE RIDGE
25	18: 8:60	36.682	116.065	1.0	6.35	2.7	307	BD	---	1.6	CAMP DESERT ROCK
26	13:40:51	37.010	115.301	0.7	11.33	1.9	168	AC	1.9	1.6	DESERT HILLS SE
26	19:30:13	37.854	116.165	0.3	2.12	1.9	104	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	116.614	0.8	16.97	1.4	116	AB	0.4	1.0	MELLAN
26	23:39:12	37.215	115.452	0.3	9.88	1.4	114	AC	2.0	1.4	DESERT HILLS NW

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SEP 26	23:47:11	37.071	116.033	0.5	4.15	3.8	201	BD	1.1	0.8	YUCCA FLAT
26	23:48:17	37.085	116.051	0.3	2.00	0.8	139	AC	0.9	0.9	YUCCA FLAT
27	0:17:57	37.229	115.456	0.3	1.89	1.6	110	AC	1.9	0.8	DESERT HILLS NW
27	13:48: 9	36.688	116.294	0.2	-0.85	0.2	71	AB	1.7	1.5	STRIPED HILLS
28	2: 0: 7	37.305	115.348	0.5	1.52	1.8	81	AC	2.1	1.8	BADGER SPRING
28	18:54:60	37.286	117.642	0.3	5.68	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: 8	37.294	117.642	0.7	3.81	2.0	118	BB	0.9	0.8	MAGRUDER MTN
29	10:12:47	37.293	117.646	0.3	1.78	0.8	122	AB	---	1.1	MAGRUDER MTN
29	10:36:30	37.280	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	4.16	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	1.8	1.2	MAGRUDER MTN
29	15:39: 8	37.536	117.425	0.8	9.52	0.8	256	AD	1.0	1.8	MONTEZUMA PEAK SW
29	20:49:16	37.850	116.165	0.7	5.45	7.0	125	CC	---	1.1	REVEILLE PEAK
30	0:36:12	37.035	116.422	0.3	9.69	0.3	178	AC	1.5	0.9	TIMBER MTN
30	0:39: 3	37.028	116.412	0.2	9.73	0.2	172	AC	1.2	0.7	TIMBER MTN
30	1: 1:53	37.029	116.422	0.5	9.29	0.3	233	AD	1.1	0.6	TIMBER MTN
30	2:10:19	37.032	116.407	0.6	9.75	0.3	234	AD	1.0	0.5	TIMBER MTN
OCT 2	21:35:42	37.536	115.753	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	37.014	116.366	0.5	10.31	0.6	125	AB	0.9	0.4	BUCKBOARD MESA
4	9:33:50	36.769	115.581	2.5	2.58	6.9	274	CD	---	1.0	TIM SPRING
5	16:16:54	36.646	119.218	---	28.74	---	344	AD	2.8	---	•••REGIONAL•••
6	1:46:54	37.532	115.750	0.7	1.11	2.0	71	BC	1.4	---	WHITE BLOTCH SPRINGS
8	16:30:37	36.959	117.100	0.4	2.67	1.3	44	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	115.789	0.6	1.49	2.4	149	BC	---	1.1	MERCURY SE
15	6:46: 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	1.96	3.1	62	CC	1.3	---	ASH SPRINGS
16	15:10: 3	37.387	114.962	3.0	0.08	2.3	245	CD	1.4	---	DELAMAR NW
16	19:57:57	36.965	117.101	0.2	1.86	0.6	76	AB	1.9	1.5	GRAPEVINE PEAK
19	10:48:54	37.703	115.054	0.9	8.05	3.9	210	BD	1.4	1.3	HIKO NE
19	15:50:58	36.668	116.186	2.5	4.77	4.1	291	CD	0.6	---	SPECTER RANGE NW
20	20: 0:34	36.663	116.385	0.5	-0.18	0.3	212	AD	1.1	0.7	LATHROP WELLS NW
21	14:51:46	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	0.93	0.3	100	AC	1.8	1.5	THIRSTY CANYON NE
24	16:24:53	37.085	116.166	0.2	0.98	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	115.328	---	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	8.56	4.6	226	BD	---	1.3	REVEILLE PEAK
31	0: 7: 5	37.340	116.197	2.1	0.75	1.0	283	DD	---	1.1	QUARTET DOME
31	0: 7:35	37.539	116.702	0.5	15.01	0.7	328	AD	1.2	1.2	MELLAN
31	9:23:20	37.321	114.900	0.5	2.16	1.1	185	AD	1.4	1.4	DELAMAR LAKE
31	9:29:49	37.420	115.516	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	115.505	0.2	5.95	2.3	78	BC	1.8	1.4	GROOM RANGE NE
1	4:48:12	37.387	115.503	0.2	12.08	0.6	169	AC	---	1.4	GROOM RANGE NE
3	3:33:19	36.719	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: 6:27	36.764	116.248	0.2	4.30	0.3	106	AB	1.3	0.8	SKULL MTN
6	15:48:26	37.095	116.065	1.7	6.98	2.5	154	BC	1.3	0.8	YUCCA FLAT
6	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	116.167	0.3	5.51	0.5	166	AC	---	1.5	TIPPIPAH SPRING
8	4: 6:27	37.658	115.072	0.6	3.17•	---	175	CC	1.3	1.4	HIKO NE
8	4:21:44	37.399	115.503	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	7:10:45	36.873	116.235	0.2	0.04	0.2	94	AB	1.1	1.0	SKULL MTN
13	23:28:37	37.409	115.052	1.4	7.00••	1.3	297	DD	2.3	---	ALAMO NE

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NOV 14 2:40: 8	37.213	116.356	0.2	1.97	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
14 17:18:35	36.507	118.059	9.9	8.15	3.5	289	DD	1.5	2.3	***REGIONAL***
15 1:18: 2	37.336	115.209	0.5	4.92	3.7	113	BC	1.7	1.5	ALAMO
15 2:50:28	37.405	115.512	0.5	6.91	3.4	153	BC	---	1.1	GROOM RANGE NE
16 1:36:57	37.449	115.587	0.3	7.35	1.4	83	AC	1.8	2.2	GROOM RANGE NE
16 1:45:46	36.609	116.263	0.2	4.36	0.5	159	AC	0.9	0.9	LATHROP WELLS SE
16 3:58:49	36.649	116.335	0.5	9.34	0.3	181	AD	---	0.7	STRIPED HILLS
17 3:56: 5	37.310	115.186	0.3	13.70	0.9	135	AC	---	1.1	ALAMO
17 10:25:12	36.447	117.039	0.3	13.83	0.6	123	AB	---	1.1	EMIGRANT CANYON
17 10:59:32	36.718	116.180	0.5	10.20	1.0	179	AC	---	0.7	SPECTER RANGE NW
18 7:17: 0	37.184	116.546	0.2	6.60	1.0	146	AC	1.3	1.0	THIRSTY CANYON NE
19 5: 2:54	35.886	117.675	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	255	AD	1.6	1.0	LOWER PAHRANAGAT LAKE SW
20 5:31:35	36.856	116.078	0.2	13.36	0.3	140	AC	1.1	1.0	CANE SPRING
21 1:16: 8	37.358	116.529	0.2	9.55	0.3	239	AD	---	0.2	TRAIL RIDGE
22 7:40:60	37.147	117.407	0.4	8.01	2.2	134	BC	---	1.3	UBEHEBE CRATER
22 7:40:11	37.146	117.407	0.2	0.21	0.3	134	AC	---	1.6	UBEHEBE CRATER
22 18: 7:11	37.346	117.234	0.2	0.12	0.1	71	AB	1.3	1.3	SCOTTYS JUNCTION SW
23 11: 2:30	36.876	116.120	0.4	3.79	2.0	115	AB	---	0.9	YUCCA LAKE
23 11: 2: 3	36.871	116.119	0.1	1.00	0.2	117	AB	---	0.7	CANE SPRING
23 19:12:37	37.428	118.473	13.9	13.75	4.8	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	14.6	11.50	4.0	286	DD	2.2	---	***REGIONAL***
24 9:21:29	37.417	117.633	1.1	14.98	0.5	244	BD	2.7	---	MAGRUDER MTN
25 9:49:23	37.252	116.055	0.2	8.22	0.4	68	AA	2.1	2.1	OAK SPRING BUTTE
25 16:22:34	37.493	118.432	4.9	9.21	1.5	290	CD	2.6	---	***REGIONAL***
26 8:57:50	37.119	117.197	0.2	5.34	1.8	63	AC	2.1	1.9	BONNIE CLAIRE SW
26 16:21:41	37.459	118.703	9.2	3.44	3.8	305	DD	3.6	---	***REGIONAL***
26 23:40:14	38.380	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	1.8	BULLFROG
28 1:19: 2	37.167	117.393	0.2	0.97	0.3	118	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: 6: 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 19:36:43	36.572	116.951	0.2	6.29	1.3	83	AC	---	0.9	CHLORIDE CLIFF
DEC 1 4:55:53	37.461	118.790	14.5	3.83	4.9	320	DD	2.8	---	***REGIONAL***
3 21:21:51	37.800	115.001	0.7	5.08	3.1	166	BC	0.8	1.5	WHITE RIVER NARROWS
4 0:16:41	37.270	116.184	0.1	9.43	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	5.83	1.2	262	AD	---	2.6	LAS VEGAS SE
5 6: 9:34	37.406	118.608	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	36.580	115.899	0.2	17.06	0.2	198	AD	0.6	0.8	MERCURY SW
5 20: 0:30	36.759	115.890	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
6 3:51: 4	36.358	117.922	0.5	8.45	0.5	259	AD	---	1.8	KEELER
6 4:38:18	36.764	115.908	0.2	6.01	0.6	58	AB	1.9	2.3	FRENCHMAN FLAT
6 4:47:56	36.755	115.893	0.2	8.56	0.3	123	AB	0.7	1.3	FRENCHMAN FLAT
6 15:16:54	37.578	116.729	0.6	8.56	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	55	AA	1.8	2.0	SCOTTYS JUNCTION SW
9 20:35:47	37.254	116.526	0.1	16.32	0.1	173	AC	1.0	1.0	TRAIL RIDGE
9 22:11:36	36.147	117.598	0.6	5.93	1.2	266	AD	1.9	2.3	COSO PEAK
9 23:11:57	37.351	116.453	0.1	15.31	0.2	256	AD	1.5	1.1	SILENT BUTTE
10 0:52:49	37.342	117.244	0.2	0.38	0.2	70	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

1984 LOCAL HYPOCENTER SUMMARY

DATE	TIME (UTC)	LATITUDE (DEG. N)	LONGITUDE (DEG. W)	HORIZ ERROR (KM)	DEPTH (KM)	VERT ERROR (KM)	AZI GAP (DEG)	QUAL	Md	Mblg	QUADRANGLE
DEC 11	9:41:13	37.342	117.242	0.2	0.44	0.1	97	AB	1.5	1.4	SCOTTYS JUNCTION SW
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	116.316	0.3	2.26	0.5	137	AC	0.6	0.6	TOPOPAH SPRING
11	14:40:49	37.469	116.375	0.2	31.31	0.1	226	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	116.403	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	0.96	0.3	186	AD	0.6	0.5	SKULL MTN
12	8:35: 4	37.340	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	70	AA	1.5	1.7	SCOTTYS JUNCTION SW
14	13:44:11	37.335	117.250	0.3	1.90	0.5	111	AB	1.3	1.4	GOLD POINT
14	13:59:22	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	60	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	0.6	0.5	STRIPED HILLS
19	2:19:29	37.289	115.407	0.2	7.95	1.0	84	AC	1.3	1.7	CUTLER RESERVOIR
19	7:48:58	36.644	115.832	0.2	-0.83	0.2	188	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	-0.38	0.2	162	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	21:36:26	37.660	115.245	0.1	2.77	0.1	202	AD	0.8	1.1	FOSSIL PEAK
21	22:49:13	37.165	116.613	0.3	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: 0	37.161	116.604	0.1	5.35	0.5	89	AB	1.1	1.3	THIRSTY CANYON NE
22	1:44:41	37.324	116.504	0.1	12.07	0.2	80	AB	1.4	1.7	TRAIL RIDGE
22	2:12:36	37.152	116.520	0.1	6.71	0.5	104	AC	1.1	1.0	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	104	AB	2.0	2.0	SCOTTYS JUNCTION SW
22	20:50:19	36.731	115.473	0.3	12.93	1.4	105	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	6:32:10	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	0.96	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	1.6	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	115.966	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	20.61	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	116.736	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	0:41:28	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	4:10:13	37.352	117.262	0.9	12.34	1.2	114	BB	2.2	---	GOLD POINT

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: 6:59	37.948	116.163	1.3	5.84	4.7	226	BD	1.9	---	REVEILLE PEAK
1	21:16:30	37.168	117.526	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	0.54	0.3	76	BA	1.9	---	GOLD POINT
3	22:55:20	37.393	116.416	0.6	7.15	3.2	290	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	9:46: 2	37.334	117.253	0.3	1.49	0.8	151	AC	---	0.2	GOLD POINT
6	14:18:26	37.163	116.202	0.1	0.61	0.2	83	AC	1.9	---	RAINIER MESA
6	16:38:55	36.343	117.971	1.4	-0.74	1.3	253	BD	2.1	---	KEELER
6	17:51:12	36.695	116.347	0.1	8.84	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	37.496	116.393	0.5	7.86	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	267	CD	---	0.2	***REGIONAL***
9	2:55:36	37.273	116.192	4.8	0.85	4.1	300	CD	---	1.1	QUARTET DOME
10	17:53: 1	36.614	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	14.46	0.2	125	AB	2.5	---	MT STIRLING
14	19:53:29	37.409	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	4.0	314	BD	1.5	---	MELLAN
15	3:15:13	37.303	117.604	0.2	8.81	0.5	90	AB	---	0.2	MAGRUDER MTN
15	8:13: 8	36.835	116.253	0.2	3.58	1.0	115	AB	1.8	---	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	0.8	7.77	1.6	257	AD	1.2	---	SILENT BUTTE
15	21:17:58	37.566	116.212	2.5	12.30	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	10:17:54	37.297	116.299	0.5	-0.71	0.3	205	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	13:56:39	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	16:43:15	36.836	116.213	0.5	2.06	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	115.867	0.6	-1.04	0.4	169	BC	1.6	---	ALAMO SE
17	9:23:54	37.348	117.236	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	0.6	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	37.346	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	37.316	116.502	0.4	9.55	0.7	189	AD	1.7	---	TRAIL RIDGE
20	5:28:53	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	2.6	---	LATHROP WELLS SW
20	18:46:52	36.617	116.455	0.3	5.84	0.9	138	AC	1.5	---	LATHROP WELLS SW
20	18:58:26	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	2.8	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	267	AD	---	0.2	LATHROP WELLS NW
20	22: 9:44	36.630	116.446	0.5	3.95	1.6	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	260	AD	1.3	---	LATHROP WELLS NW
20	23:59:24	36.620	116.447	0.2	6.83	0.5	270	AD	1.4	---	LATHROP WELLS SW
21	3:22:29	36.622	116.453	0.4	5.41	0.8	261	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	6.21	0.6	154	AC	1.7	---	LATHROP WELLS NW
21	5:58:55	36.615	116.449	0.4	6.57	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	6.48	0.5	270	AD	---	0.2	LATHROP WELLS SW

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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	3.95	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	4.60	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	6.01	0.5	133	AB	1.8	---	LATHROP WELLS SW
21	22:11:49	36.633	116.436	0.4	6.24	0.8	264	AD	---	0.2	LATHROP WELLS NW
22	0:29:27	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: 5	36.647	116.401	30.6	9.02•	---	257	DD	---	0.2	LATHROP WELLS NW
22	14: 6: 2	36.596	115.957	0.3	9.65	0.6	84	AA	---	0.2	MERCURY SW
22	14:28:36	36.644	116.438	0.5	4.20	1.0	252	AD	1.0	---	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	16:48:21	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	114.905	0.8	8.56	1.7	215	AD	2.0	---	DELAMAR 3 NW
25	8:24:37	36.619	116.259	0.3	5.99	0.6	148	AC	1.1	---	LATHROP WELLS SE
25	22:46: 5	37.406	115.503	0.6	4.93	0.2	154	CC	1.8	---	GROOM RANGE NE
25	23:44:53	36.621	116.449	0.3	6.91	0.6	270	AD	1.3	---	LATHROP WELLS SW
26	22:57:29	36.598	116.014	0.5	15.32	0.8	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	11:25:20	36.776	115.860	0.6	6.98	1.3	226	AD	---	0.2	FRENCHMAN LAKE SE
27	17:59:40	36.599	115.828	0.3	0.84	0.4	136	AC	---	0.2	MERCURY SE
27	23:37: 2	37.233	117.698	0.4	11.08	0.5	190	AD	---	0.2	LAST CHANCE RANGE
28	6: 3:57	36.946	116.101	0.2	3.59	0.5	98	AB	1.5	---	YUCCA LAKE
29	18:14:25	36.710	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	37.219	114.700	0.4	5.53	4.0	212	BD	2.2	---	VIGO NW
30	12:49:58	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	116.038	0.4	6.61	0.9	188	AD	---	0.2	YUCCA FLAT
31	18:50:22	37.314	115.753	1.2	3.03•	---	342	CD	2.4	---	GROOM MINE SE
FEB 1	4:25:27	36.880	116.127	1.3	6.80	0.6	315	BD	---	0.8	MINE MTN
1	15:47: 9	36.864	116.186	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	116.634	0.2	6.09	1.0	212	AD	1.2	0.8	BIG DUNE
2	12:15:25	36.583	116.634	0.1	4.31	3.0	91	BC	1.5	0.9	BIG DUNE
2	13:16:47	37.568	117.728	0.4	4.13	5.6	146	CC	---	1.3	LIDA WASH
3	21:33:39	36.827	116.728	0.5	2.07	0.7	240	AD	1.0	0.6	BARE MTN
5	12: 6:21	36.831	115.462	0.9	7.66	1.5	232	AD	1.5	1.5	•••QUAD. NOT LISTED•••
6	10:59:46	37.231	116.012	1.3	7.56	0.5	311	BD	---	0.8	OAK SPRING
6	15:26: 9	36.637	116.395	0.2	3.25	0.3	254	AD	---	0.5	LATHROP WELLS NW
6	22:10: 5	36.509	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	6.87	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	36.550	116.273	0.6	11.93	1.2	231	AD	---	0.3	LATHROP WELLS SE
8	6:34:46	37.202	116.568	0.5	6.34	2.0	171	BC	1.3	0.8	THIRSTY CANYON NE
8	9:14:52	36.551	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	36.805	116.241	0.5	3.92	1.7	58	BB	2.3	1.5	SKULL MTN
9	5:35: 1	36.774	116.810	1.4	8.29	2.3	257	BD	1.4	1.1	BULLFROG
9	5:39: 0	36.828	116.641	1.1	0.87	1.0	215	BD	1.8	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	13:46:19	36.994	116.278	0.1	0.45	0.3	87	AB	1.8	1.1	TOPOPAH SPRING
10	13:53:29	37.015	116.276	0.5	6.72	1.0	137	AC	---	0.3	BUCKBOARD MESA
11	8:48:30	36.541	115.881	0.8	13.91	1.2	189	AD	---	0.9	MERCURY SW
13	3:30:59	36.588	116.608	0.8	20.01	1.6	140	BC	1.7	1.1	BIG DUNE
13	3:32:10	36.584	116.413	0.5	1.09	1.6	146	AC	1.1	0.9	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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FEB 13 3:37: 0	36.546	116.114	0.4	9.30	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	115.914	0.7	-0.47	0.9	186	BD	1.3	1.5	MERCURY SW
13 5:33: 1	36.585	116.508	0.3	3.02•	---	163	CC	1.6	0.8	BIG DUNE
13 5:35:10	36.565	116.315	0.9	5.84	1.8	104	BB	1.6	1.0	LATHROP WELLS SE
13 5:37: 0	36.551	116.193	0.2	0.78	0.4	89	AC	1.6	1.0	SPECTER RANGE SW
13 5:39: 0	36.589	116.660	0.2	0.70	0.4	92	AC	1.6	1.3	BIG DUNE
13 8:24:24	36.903	116.654	0.2	0.87	0.3	134	AC	1.5	1.0	BARE MTN
14 4:51:25	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	115.053	---	7.35	---	182	AD	---	0.9	HIKO NE
15 5:42:27	35.904	116.846	4.1	2.66•	---	286	CD	1.7	1.9	WINGATE WASH
15 11:27:60	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	---	0.8	PAHROC SPRING
16 17:10:43	36.556	116.237	0.6	5.86	1.3	181	AD	---	0.6	SPECTER RANGE SW
18 9: 8:55	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	---	1.8	SILENT CANYON NW
18 21:37:55	37.319	117.628	1.1	7.18	2.2	157	BC	1.8	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	0.6	125	AB	---	0.6	CANE SPRING
20 11:23:54	37.497	115.315	0.4	4.35	6.4	133	CC	---	1.3	HANCOCK SUMMIT
21 16:23:51	36.679	116.161	0.4	15.78	0.7	144	AC	---	0.8	SPECTER RANGE NW
22 2: 7:19	37.079	117.090	0.5	8.40	1.7	94	BB	1.7	1.0	BONNIE CLAIRE SE
23 14: 2:37	36.813	117.393	1.1	7.00••	9.1	295	CD	---	1.9	MATURANGO
25 1: 2:35	37.397	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	201	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	0.9	BARE MTN
27 14: 5:58	36.695	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	0.97	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: 2	37.252	114.914	1.2	0.76	1.1	189	BD	1.9	1.9	DELAMAR LAKE
4 7:46:25	36.485	116.576	0.5	8.78	1.9	62	BB	1.4	1.1	RYAN
4 18:56:39	36.747	115.916	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	1.70	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	117.205	1.3	7.26	1.2	244	BD	2.8	2.7	BAXTER SPRING
9 12:52:57	36.632	116.453	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	115.900	0.3	10.02	0.4	188	AD	---	1.0	MERCURY SW
12 11:20: 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	-1.08	0.8	278	BD	---	-0.4	SKULL MTN
13 22:31:44	36.754	116.575	99.6	0.82•	---	342	DD	---	1.3	BARE MTN
13 23:15:28	37.111	116.383	0.3	5.31	0.6	188	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	1.5	DELAMAR 3 NW
14 11:42: 1	37.265	114.987	2.4	5.45	0.7	218	CD	1.7	2.1	DELAMAR LAKE
14 12: 6:28	36.728	116.281	0.2	2.66	0.2	105	AB	1.5	0.5	STRIPED HILLS
14 20:45:48	36.776	116.286	5.7	8.18•	---	272	DD	---	0.8	JACKASS FLATS
16 9:43:25	37.017	117.820	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	1.6	254	CD	1.8	---	CALIENTE
18 15:18:42	37.664	115.034	0.3	-1.14	0.4	106	AB	---	1.0	HIKO NE
19 0:16: 5	37.268	117.532	0.7	10.85	0.9	144	AC	---	1.3	MAGRUDER MTN
20 19: 2: 9	37.142	116.216	0.2	4.38	0.8	120	AC	---	1.2	RAINIER MESA
21 14:38:57	37.898	115.067	1.0	8.67	3.6	282	BD	---	1.1	WEEPAH SPRING
21 20: 4:59	37.571	117.746	0.4	9.68	1.3	122	AB	---	1.9	LIDA WASH
22 9:11:39	37.127	116.278	0.3	6.36	1.1	115	AB	1.5	1.8	AMMONIA TANKS
23 3:34:15	37.663	115.048	0.6	7.99	1.8	103	AB	---	0.9	HIKO NE
23 19:56: 5	37.249	116.032	0.5	2.79	1.0	166	AC	---	1.1	OAK SPRING
25 16:33: 1	37.033	116.484	0.5	12.71	0.6	257	AD	1.1	0.5	TIMBER MTN
25 17:34: 4	37.025	116.467	0.7	11.54	0.6	246	AD	---	0.9	TIMBER MTN

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MAR 26	9:17:16	37.166	117.405	0.3	5.93	1.5	109	AC	2.0	1.5	UBEHEBE CRATER
26	19: 0: 7	36.731	116.034	1.8	35.67	1.1	310	BD	---	1.9	CAMP DESERT ROCK
27	0:24:20	37.502	115.427	1.3	39.34	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	36.964	117.409	0.4	0.58	0.5	145	AC	---	1.2	TIN MTN
30	8:40:24	37.526	115.755	0.5	4.53	0.4	193	CD	2.6	---	WHITE BLOTCH SPRINGS
30	12:54: 8	36.740	116.302	0.2	0.67	0.2	108	AB	---	0.2	STRIPED HILLS
30	14: 9: 8	36.692	116.129	1.0	3.82	4.5	266	BD	---	1.1	SPECTER RANGE NW
30	16:28:43	36.369	115.827	0.2	10.14	0.9	123	AC	---	1.0	MT STIRLING
31	10:11:54	36.652	116.159	1.2	2.76	3.4	269	BD	1.5	1.0	SPECTER RANGE NW
APR 1	5:35:15	36.781	116.270	0.3	5.90	0.6	135	AB	1.3	1.0	JACKASS FLATS
2	3:42:33	37.676	115.046	0.4	2.12	1.1	110	AB	1.5	0.9	HIKO NE
2	18:31:21	36.625	116.098	0.3	-0.49	0.5	111	AC	1.4	1.3	CAMP DESERT ROCK
3	9:34:55	37.315	116.467	0.6	2.64	1.6	163	AC	1.7	1.0	SILENT BUTTE
3	12: 5:25	37.685	115.052	0.4	4.44	1.7	111	AC	2.0	1.7	HIKO NE
4	20:20:56	36.628	116.086	0.2	6.49	1.2	111	AB	2.1	2.0	CAMP DESERT ROCK
4	20:25:24	36.627	116.084	0.3	7.65	1.0	112	AB	1.1	1.4	CAMP DESERT ROCK
4	20:41:21	36.628	116.086	0.3	7.53	0.9	111	AB	1.2	1.4	CAMP DESERT ROCK
4	21:18:50	36.622	116.090	0.5	1.56*	---	120	CC	---	0.8	SPECTER RANGE SE
4	23:36:50	36.629	116.084	0.4	6.83	1.3	113	AB	---	0.8	CAMP DESERT ROCK
5	0:37:46	36.628	116.085	0.3	7.11	1.1	113	AB	---	1.1	CAMP DESERT ROCK
5	2:57: 6	36.885	116.166	0.6	8.42	0.7	119	AB	1.2	0.9	MINE MTN
5	3:29:17	36.753	115.918	0.2	10.97	0.4	160	AC	1.5	1.5	FRENCHMAN FLAT
5	5:17: 4	36.944	116.210	0.2	9.28	0.4	105	AB	1.2	1.0	MINE MTN
5	6:20:21	36.626	116.085	0.2	6.59	0.9	111	AB	1.3	1.1	CAMP DESERT ROCK
5	8: 3:10	36.627	116.091	0.4	6.72	1.4	90	BB	1.3	1.2	CAMP DESERT ROCK
5	17: 5:41	36.627	116.086	0.3	5.84	1.4	114	AC	---	1.0	CAMP DESERT ROCK
5	18:32:42	36.630	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	7.82	2.2	125	BC	1.7	1.8	GOLDFIELD
5	18:59:36	36.639	116.107	1.2	0.49	1.0	285	BD	2.2	---	CAMP DESERT ROCK
5	21:48:34	36.626	116.089	0.3	4.87	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	36.625	116.089	0.6	5.60	2.6	122	BC	---	0.7	CAMP DESERT ROCK
6	7: 7:39	36.757	115.919	0.7	9.26	1.2	198	AD	---	0.9	FRENCHMAN FLAT
6	10: 9:50	36.623	116.089	0.4	6.06	1.7	114	AB	---	1.1	SPECTER RANGE SE
6	12:16:57	36.703	116.064	0.2	6.38	0.9	91	AB	1.7	1.7	CAMP DESERT ROCK
6	12:35:25	36.624	116.088	0.2	7.16	0.7	114	AB	---	0.7	SPECTER RANGE SE
6	16:57:10	36.984	116.398	0.3	8.74	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	1.6	HIKO NE
7	9:11:11	37.081	115.966	1.1	4.85	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	1.6	RAINIER MESA
7	17:23: 2	36.753	115.911	0.2	10.16	0.3	137	AC	1.3	1.0	FRENCHMAN FLAT
7	17:31:44	36.755	115.909	0.3	10.74	0.6	161	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	21:14: 7	36.627	116.083	0.4	7.83	1.1	115	AB	---	0.9	CAMP DESERT ROCK
9	14:32:42	36.354	117.479	0.6	4.89	5.5	241	CD	---	1.4	PANAMINT BUTTE
10	1:28:39	36.628	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	---	0.6	SPECTER RANGE NW
11	4: 1:43	37.182	115.973	1.6	4.03	1.7	182	BD	---	0.9	JANGLE RIDGE
11	15:46:11	36.016	116.136	1.0	2.02	1.4	236	BD	---	1.4	STEWART VALLEY
11	18:42:19	36.747	116.648	0.5	4.26	0.6	156	AC	---	0.4	BIG DUNE
12	20:28:58	36.686	115.614	0.3	5.53	3.4	81	BC	2.2	1.4	HEAVENS WELL
12	22:24:17	36.753	115.921	0.3	6.00	0.8	133	AB	---	0.7	FRENCHMAN FLAT
13	11: 2:23	36.410	116.990	0.4	11.74	0.7	90	AB	---	1.6	FURNACE CREEK
14	4:19:55	37.682	115.038	0.7	1.79	2.0	116	BB	---	0.7	HIKO NE
14	8: 8: 1	36.947	117.371	0.7	4.91	1.5	191	AD	---	0.7	TIN MTN
14	13:10:21	36.981	117.547	0.6	10.75	1.4	195	AD	---	1.2	DRY MTN
14	20: 4:15	36.757	116.264	0.3	4.61	0.4	164	AC	---	0.1	JACKASS FLATS
14	22:28:12	36.831	115.939	0.6	6.69	1.7	295	AD	---	0.9	FRENCHMAN FLAT
15	0:45:28	36.620	116.091	0.2	5.58	1.0	115	AC	---	0.8	SPECTER RANGE SE
15	6:42: 5	36.650	116.233	0.4	4.35	0.6	287	AD	---	0.6	SPECTER RANGE NW
16	1:53:31	36.629	116.089	0.6	7.23	2.1	126	BB	---	0.5	CAMP DESERT ROCK
16	6:49:57	37.318	115.224	0.6	11.28	2.0	111	BB	---	1.3	ALAMO
16	8:21: 8	37.309	115.218	0.6	7.27	2.4	116	BC	---	1.4	ALAMO
16	13:37:12	37.174	116.311	0.2	3.95	0.5	91	AB	1.8	1.9	AMMONIA TANKS
17	10:18:22	36.767	116.280	0.4	1.70	1.1	122	AB	---	0.5	JACKASS FLATS

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APR 17	11: 3:16	36.850	116.408	0.3	5.30	0.4	102	AB	0.4	-0.2	TOPOPAH SPRING SW
17	14:30:35	37.172	116.321	0.2	2.96	0.3	93	AB	1.4	1.3	AMMONIA TANKS
17	18:40:52	36.964	116.029	2.1	3.75*	---	290	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	115.839	0.5	9.59	0.8	144	AC	---	1.4	***QUAD. NOT LISTED***
18	11:39:52	37.235	114.895	1.0	2.00	3.7	236	BD	1.9	---	DELAMAR 3 NW
18	12:49: 6	37.257	114.938	4.8	14.87	6.8	222	CD	---	0.2	DELAMAR LAKE
18	17:51:25	37.084	117.269	1.6	4.07	8.9	145	CD	---	1.1	UBEHEBE CRATER
18	22:21:59	36.706	116.216	0.4	-0.49	0.3	224	AD	---	0.6	SPECTER RANGE NW
18	23:26: 2	37.294	117.531	0.4	10.78	1.0	78	AB	---	1.3	MAGRUDER MTN
19	7: 7: 6	37.233	114.899	1.0	5.53	4.3	235	BD	2.1	1.9	DELAMAR 3 NW
19	11:45:13	37.491	116.690	0.1	1.86	0.4	103	AC	---	1.1	BLACK MTN NW
20	6:24: 1	37.242	114.914	0.4	0.57	0.4	189	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	36.806	115.809	0.6	9.69	0.6	218	AD	---	1.1	FRENCHMAN LAKE SE
21	20: 6:14	37.113	114.894	4.0	14.34	8.1	201	CD	---	1.3	DELAMAR 3 SW
23	6:56: 4	37.142	117.055	0.4	11.31	1.9	112	AB	---	1.0	BONNIE CLAIRE
23	23: 1:58	36.772	116.247	0.3	0.37	0.3	172	AC	1.3	0.9	SKULL MTN
24	6: 2:23	37.402	115.511	0.5	7.01	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	AB	---	1.3	GROOM RANGE NE
25	0:45:11	36.947	117.755	1.1	7.00**	5.0	218	BD	---	1.4	WAUCOBA WASH
26	4: 3:15	37.485	118.025	4.8	13.87	0.6	266	CD	3.0	---	***REGIONAL***
27	4:21:33	36.760	115.922	0.5	5.68	2.2	136	BC	1.5	1.3	FRENCHMAN FLAT
27	19:24:24	36.524	116.596	0.2	10.64	1.3	118	AB	2.0	1.9	BIG DUNE
28	20:21:34	36.696	116.125	0.7	7.40	2.8	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	2.68	1.2	111	AB	1.5	1.2	HIKO NE
2	14:31:41	36.714	116.232	0.3	4.19	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	37.009	116.448	0.4	11.61	0.3	221	AD	---	0.3	TIMBER MTN
3	14:17:17	36.999	116.439	0.2	9.56	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	202	AD	---	0.2	TOPOPAH SPRING NW
4	3:22:45	37.481	118.694	9.0	6.78	3.2	307	DD	3.3	---	***REGIONAL***
6	4:59:48	37.310	117.328	0.5	7.62	0.8	145	AC	---	1.3	GOLD POINT
6	6: 3: 4	37.307	117.322	0.6	8.16	0.9	144	AC	---	1.4	GOLD POINT
7	20: 6:10	36.604	116.046	0.2	9.97	0.5	68	AA	2.7	---	SPECTER RANGE SE
7	20:28: 4	36.605	116.049	0.3	8.51	1.0	130	AB	1.7	1.2	SPECTER RANGE SE
7	20:52:45	36.602	116.047	0.2	9.52	0.6	131	AB	1.3	1.4	SPECTER RANGE SE
7	20:53:19	36.604	116.050	0.1	8.98	0.5	129	AB	1.1	1.5	SPECTER RANGE SE
7	21: 5:18	36.600	116.047	0.2	9.42	0.5	132	AB	---	1.1	SPECTER RANGE SE
7	21: 6: 9	36.607	116.047	0.2	5.58	2.0	129	BB	2.3	---	SPECTER RANGE SE
7	21: 8:23	36.604	116.050	0.2	8.61	0.6	67	AB	1.9	1.8	SPECTER RANGE SE
7	21: 9:51	36.603	116.048	0.2	9.23	0.7	130	AB	2.1	2.2	SPECTER RANGE SE
7	21:11:37	36.602	116.048	0.2	9.11	0.6	131	AB	1.6	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	36.605	116.047	0.3	9.25	1.0	130	AB	2.2	---	SPECTER RANGE SE
7	22:33:23	36.606	116.046	0.2	8.38	1.0	130	AB	2.2	---	SPECTER RANGE SE
7	22:43:10	36.600	116.045	0.2	9.70	0.9	132	AB	1.4	1.3	SPECTER RANGE SE
7	22:53:59	36.601	116.046	0.2	9.76	0.6	132	AB	1.3	1.6	SPECTER RANGE SE
7	22:53:38	36.603	116.048	0.2	9.43	0.5	130	AB	---	1.4	SPECTER RANGE SE
7	23:49:29	36.596	116.044	0.4	10.70	0.8	152	AC	---	1.2	SPECTER RANGE SE
8	6:15:17	36.598	116.052	0.2	9.09	0.5	146	AC	---	1.0	SPECTER RANGE SE
8	6:31:42	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	1.6	1.4	SPECTER RANGE SE
8	10:19:40	36.597	116.045	0.2	10.06	0.8	134	AB	1.1	1.5	SPECTER RANGE SE
8	11: 1:10	36.599	116.049	0.2	8.99	0.5	132	AB	1.6	1.4	SPECTER RANGE SE
8	20:49:47	37.366	115.214	0.3	0.25	0.5	101	AC	1.9	2.2	ALAMO
8	20:55: 1	37.367	115.207	0.4	2.72	2.7	129	BC	---	1.3	ALAMO
8	22:44:14	37.173	116.319	1.0	3.64	1.9	156	AC	---	1.0	AMMONIA TANKS
8	22:45:41	36.602	116.049	0.2	8.38	0.6	131	AB	1.8	1.5	SPECTER RANGE SE
9	18: 3:46	36.601	116.048	0.2	6.96	0.8	131	AB	---	1.3	SPECTER RANGE SE
10	18:25:60	36.605	116.046	0.2	10.25	0.4	131	AB	2.1	---	SPECTER RANGE SE
11	5:58: 8	37.205	117.562	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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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	7.86	0.6	130	AB	---	1.3	SPECTER RANGE SE
13 16:49:36	37.677	115.655	0.4	1.99	1.1	107	AC	---	1.1	HIKO NE
13 16:58:47	37.683	115.668	0.3	1.45	1.2	106	AC	---	1.1	HIKO NE
14 14:27:29	36.599	116.049	0.2	9.23	0.4	131	AB	---	1.0	SPECTER RANGE SE
14 14:36:53	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: 9	37.081	116.168	0.2	4.40	1.1	107	AB	---	1.0	TIPPIPAH SPRING
15 5:43:37	37.284	117.591	0.3	3.65	1.2	86	AB	---	1.1	MAGRUDER MTN
15 7: 0: 5	36.648	116.261	0.7	4.37	0.6	281	AD	---	1.0	STRIPED HILLS
15 7:27:18	36.614	116.270	0.1	3.79	0.8	83	AB	1.6	1.3	LATHROP WELLS SE
15 10:29:14	37.455	115.389	0.4	0.46	1.0	73	AC	2.3	---	HANCOCK SUMMIT
15 11:14: 9	37.455	115.388	0.4	6.85	3.8	84	BC	2.4	---	HANCOCK SUMMIT
15 12:17: 1	37.455	115.291	1.1	13.69	2.1	200	BD	---	1.4	HANCOCK SUMMIT
15 12:57: 3	37.463	115.298	0.7	9.97	2.0	202	AD	---	0.2	HANCOCK SUMMIT
15 13: 7:39	37.277	117.589	0.4	6.80	0.7	84	AB	---	1.2	MAGRUDER MTN
15 13:16: 8	36.599	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: 6	37.278	117.595	0.3	8.25	0.5	87	AA	1.9	1.6	MAGRUDER MTN
15 19:32:36	37.450	115.312	0.2	4.22	4.8	86	BC	---	1.5	HANCOCK SUMMIT
16 1:17:23	36.645	116.292	0.9	-0.53	0.6	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	1.6	116	AC	---	1.4	HANCOCK SUMMIT
16 9:28: 5	37.103	116.987	0.2	7.49	1.0	184	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	6.63	0.5	72	AA	1.4	1.7	MAGRUDER MTN
16 15:23:44	37.278	117.592	0.2	5.64	0.6	75	AB	---	1.5	MAGRUDER MTN
16 16:11:44	36.789	115.924	0.2	3.86	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	116.884	0.2	4.51	2.1	73	BC	1.8	1.6	BELTED PEAK
17 4:11:33	37.650	116.883	0.2	0.95	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	1.6	84	AC	1.8	1.7	HANCOCK SUMMIT
19 0:30:11	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	36.869	116.691	0.2	2.57	0.7	95	AC	1.5	1.0	BARE MTN
19 17:45: 7	37.019	116.469	0.3	9.26	0.3	228	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	116.464	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: 9:43	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	1.6	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	8.07	0.4	190	AD	---	1.5	TIMBER MTN
19 18:30:33	37.020	116.463	0.5	10.05	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	116.470	0.5	9.56	0.6	248	AD	---	0.6	TIMBER MTN
19 18:54:20	37.019	116.467	0.9	10.40	0.9	240	AD	---	0.5	TIMBER MTN
19 18:59:44	37.024	116.471	0.2	9.62	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	9.65	0.5	198	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 19:40:26	37.023	116.474	0.2	10.14	0.4	184	AD	1.2	0.6	TIMBER MTN

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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	116.468	0.3	10.41	0.3	195	AD	---	1.4	TIMBER MTN
19	20:27: 5	37.020	116.473	0.7	9.66	0.8	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	37.026	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	36.685	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	10.39	0.3	195	AD	1.3	1.2	TIMBER MTN
23	2:52: 5	36.615	116.267	0.2	4.98	0.6	81	AB	---	1.0	LATHROP WELLS SE
23	7:22:35	36.616	116.261	0.3	2.19	0.6	126	AB	---	1.1	LATHROP WELLS SE
23	7:23: 4	36.614	116.279	0.1	5.13	0.5	83	AB	1.5	1.1	LATHROP WELLS SE
23	9:36:19	36.767	116.258	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	36.601	116.050	0.2	9.56	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	90	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	1.5	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	15:21:50	36.821	115.936	0.4	5.20	2.3	182	BD	1.2	0.7	FRENCHMAN FLAT
25	22:28: 3	37.196	114.925	1.6	2.75	5.5	243	CD	2.1	---	DELAMAR 3 NW
26	21:49:37	37.232	114.910	0.7	5.65	2.7	234	BD	---	1.5	DELAMAR 3 NW
26	21:51:10	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	16: 5: 9	36.684	116.324	0.3	5.31	0.6	168	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	6.48	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	7:14:26	37.238	114.910	0.3	1.53	0.8	175	AC	1.7	1.9	DELAMAR 3 NW
30	8:21:56	37.023	116.463	0.2	8.46	0.6	67	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	36.740	116.242	0.3	6.41	0.3	242	AD	1.6	1.0	SPECTER RANGE NW
30	12:41: 9	36.598	116.049	0.2	8.02	0.8	107	AB	1.3	1.1	SPECTER RANGE SE
30	19:21:18	37.276	116.231	0.7	14.40	1.2	328	AD	---	0.9	QUARTET DOME
31	1:38: 2	36.454	117.276	0.3	4.69	1.5	197	AD	---	1.5	PANAMINT 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	261	AD	---	0.7	TIMBER MTN
2	17: 5:34	36.840	116.254	0.3	7.37	0.7	118	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	190	BD	---	1.1	RYAN
3	2:44:23	37.020	116.476	0.5	10.68	0.5	244	AD	1.1	0.4	TIMBER MTN
3	4:16:22	37.108	116.754	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	15:33:10	37.177	116.745	0.2	0.58	0.2	167	AC	---	1.1	THIRSTY CANYON NW
3	19: 1:56	36.390	116.995	0.4	13.10	0.6	84	AA	---	0.9	FURNACE CREEK
3	20:41: 0	36.917	118.157	1.8	2.32	4.4	257	BD	---	1.9	***REGIONAL***
4	23: 8: 7	37.026	116.472	0.3	8.65	0.5	269	AD	---	0.3	TIMBER MTN
6	6: 6:57	37.463	115.308	0.3	8.54	1.9	89	AC	---	0.9	HANCOCK SUMMIT
6	23:22: 9	37.182	116.092	0.2	-0.61	0.2	180	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	116.863	0.9	3.20*	---	298	CD	1.3	0.8	BULLFROG
8	6:28:52	36.833	116.255	0.3	4.29	0.9	116	AB	1.7	1.2	JACKASS FLATS
8	9:29: 9	36.834	116.250	0.2	8.14	0.4	142	AC	0.0	0.0	JACKASS FLATS
8	11:59:43	36.839	116.258	0.3	4.96	0.7	145	AC	1.0	0.5	JACKASS FLATS
9	16:17:57	36.628	116.351	0.6	5.06	0.5	313	AD	---	0.9	STRIPED HILLS
9	22:30:32	37.670	115.052	0.3	6.35	1.3	104	AB	---	1.3	HIKO NE

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	36.605	116.046	0.2	8.92	0.5	68	AB	1.9	1.3	SPECTER RANGE SE
10 16:52:10	37.025	116.469	0.3	9.16	0.4	196	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	36.506	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: 0	36.813	115.883	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	116.176	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	36.604	116.054	0.2	7.66	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	6.11	1.0	153	AC	1.4	1.0	THIRSTY CANYON NE
18 1: 1: 8	36.672	116.267	0.2	6.06	0.3	99	AB	1.5	0.9	STRIPED HILLS
18 1: 3:23	36.672	116.266	0.1	6.21	0.3	95	AB	1.1	0.9	STRIPED HILLS
18 4:28:59	35.611	116.496	4.9	22.13	2.2	312	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	160	AC	---	0.6	BIG DUNE
18 19:12:40	36.732	115.909	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: 6	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	9.1	268	CD	---	1.4	TELESCOPE PEAK
20 0:40: 5	36.718	116.028	0.4	6.25	0.8	176	AC	---	0.6	CAMP DESERT ROCK
20 4: 1:11	36.888	116.379	1.2	10.68	1.5	151	BC	---	0.3	TOPOPAH SPRING NW
20 7: 4:21	36.814	117.477	0.5	0.01	0.5	186	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	36.639	116.322	0.6	3.43	0.5	276	AD	---	0.6	STRIPED HILLS
21 21: 1:54	36.432	117.053	0.5	10.53	0.5	217	AD	---	1.3	EMIGRANT CANYON
22 0:49: 0	36.637	117.125	0.2	1.18	0.9	105	AC	2.1	1.7	STOVEPIPE WELLS
22 0:59:44	36.632	117.130	0.2	1.82	0.6	108	AC	---	1.9	STOVEPIPE WELLS
22 2:24: 4	36.634	117.129	0.4	4.67	3.9	107	BC	---	1.6	STOVEPIPE WELLS
22 3:10: 3	37.452	115.310	0.3	8.88	1.8	139	AC	---	1.0	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	36.632	117.134	0.4	6.39	2.0	109	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	116.547	0.9	14.27	1.6	310	AD	---	0.7	BIG DUNE
23 4:25:00	36.838	116.073	0.2	9.24	0.3	233	AD	---	0.5	CANE SPRING
23 16:40:18	35.817	117.023	0.9	6.77	2.4	296	BD	---	1.4	MANLY PEAK
23 19: 1:22	37.216	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	116.463	1.2	11.63	1.5	219	BD	---	0.8	TOPOPAH SPRING NW
26 12:12:54	36.754	115.919	0.2	8.96	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	115.928	0.1	8.65	0.3	155	AC	1.6	1.2	FRENCHMAN FLAT
30 21:53:55	36.837	116.239	0.2	4.06	0.8	122	AB	---	0.4	SKULL MTN
30 22: 0:38	36.834	116.248	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	36.748	115.446	0.2	7.00••	4.3	169	BC	1.8	1.4	BLACK MILLS 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	116.289	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	37.109	117.073	0.2	5.17	1.7	101	AC	1.9	1.7	BONNIE CLAIRE SE

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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	117.072	0.2	5.09	1.9	102	AC	---	0.6	BONNIE CLAIRE SE
3	10:37:54	36.747	115.916	0.2	10.84	0.3	153	AC	1.7	1.2	MERCURY
3	23:55:13	36.775	116.216	0.3	6.61	0.6	98	AB	---	0.4	SKULL MTN
4	8: 7: 4	36.616	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	1.0	119	AC	---	1.3	UBEHEBE CRATER
6	1: 3:46	37.001	116.298	0.1	4.00	0.4	64	AB	---	1.3	BUCKBOARD MESA
6	6:59:30	37.223	116.533	0.2	6.04	0.7	145	AC	1.6	1.2	THIRSTY CANYON NE
6	11: 1:37	37.214	115.957	0.7	10.57	0.5	295	AD	---	1.0	JANGLE RIDGE
6	19:53:45	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	0.9	152	AC	1.2	0.7	PLUTONIUM VALLEY
7	2:39:42	36.893	115.962	0.5	6.77	1.2	188	AD	---	0.6	PLUTONIUM VALLEY
7	14:36: 0	37.112	117.072	0.2	5.43	1.7	101	AC	---	1.2	BONNIE CLAIRE SE
8	1:29:22	37.328	117.615	0.4	7.21	0.8	191	AD	---	1.4	MAGRUDER MTN
8	6:26: 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	118.496	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	HIKO NE
10	18:58:32	36.686	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	117.681	3.5	-1.10	4.3	252	CD	1.9	---	COSO PEAK
11	21:55:42	36.817	116.204	0.2	7.48	0.4	65	AA	1.8	1.8	SKULL MTN
12	1:54:41	37.452	115.302	0.6	8.18	2.5	204	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	36.658	116.409	0.3	8.79	0.5	214	AD	---	0.4	LATHROP WELLS NW
14	14:23: 6	36.647	116.409	0.4	9.06	0.5	244	AD	---	0.5	LATHROP WELLS NW
14	14:54: 7	36.663	116.416	0.2	4.34	0.8	176	AC	1.3	0.7	LATHROP WELLS NW
15	14:54:40	36.776	116.255	0.2	3.27	0.6	160	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	10:15:50	37.089	116.878	0.2	0.62	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	16:48:50	36.710	116.169	0.2	4.85	1.5	93	AB	---	1.1	SPECTER RANGE NW
19	21:34: 4	37.089	115.025	0.2	2.02	0.5	120	AB	1.6	1.4	HIKO NE
20	7:34:59	36.721	115.906	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	12:57:15	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	9.65	1.5	145	AC	---	1.1	CUTLER RESERVOIR
24	7:43: 2	37.687	115.027	0.3	0.62	0.5	119	AB	1.9	2.0	HIKO NE
25	17:58:52	37.055	116.035	0.8	1.86	2.0	223	AD	---	1.3	YUCCA FLAT
26	2: 5:27	37.358	116.667	0.2	4.71	0.7	88	AB	---	0.2	BLACK MTN SW
26	9:33:13	37.230	114.696	2.0	4.62	---	237	CD	1.6	1.6	DELAMAR 3 NW
26	18:13: 6	37.220	115.119	0.7	2.15	1.8	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	116.740	0.2	1.44	0.7	133	AB	---	0.8	THIRSTY CANYON SW
28	6:53:12	36.985	115.966	0.4	3.80	3.5	157	BC	1.6	1.2	PLUTONIUM VALLEY
28	18:26:11	37.061	116.746	0.4	5.02	4.0	90	BB	1.4	1.2	THIRSTY CANYON SW
30	5:36: 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	0.66	0.2	111	AC	1.6	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	1.0	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	37.156	116.884	0.5	3.90	3.6	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	37.146	116.883	0.2	9.82	1.0	116	AC	2.1	1.5	SPRINGDALE
30	7:48:48	37.146	116.880	0.2	9.32	1.4	80	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	1.8	116	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

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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: 6:23	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	12.84	1.0	199	AD	1.7	0.9	SPRINGDALE
30	8:18: 9	37.289	117.714	1.2	4.08	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	---	1.9	SPRINGDALE
30	8:43: 3	37.148	116.881	0.3	7.52	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	9:32:16	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	12:13:28	36.726	115.428	0.3	22.77	0.4	112	AB	2.0	1.9	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: 3:36	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	---	1.6	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	1.6	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	1.6	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	10.56	1.1	80	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: 8	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	0.87	0.3	114	AC	1.1	1.0	SPRINGDALE
30	16: 6: 3	37.143	116.874	0.6	4.69	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	190	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	1.0	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	37.145	116.879	0.4	8.62	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	22:22:26	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	146	AC	---	1.8	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	9:40:15	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	226	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	115.480	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	116.886	0.2	1.17	5.6	148	CC	1.9	---	SPRINGDALE
2	14:19:21	37.281	116.974	0.3	0.85	0.4	105	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	17:53:16	37.148	116.879	0.2	6.68	1.6	80	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	17:57:58	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	10.26	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	80	AC	1.5	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	163	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	116.879	0.3	8.57	1.4	116	AB	1.6	1.1	SPRINGDALE
3	4:32:42	37.150	116.879	0.3	8.54	1.6	116	AC	---	0.9	SPRINGDALE
3	15:28:55	37.133	116.882	0.4	10.10	1.8	112	AB	1.6	1.4	SPRINGDALE
3	17:55:57	36.840	116.228	0.2	7.50	0.5	126	AB	1.3	1.0	SKULL MTN
3	19:32:57	37.334	115.268	1.1	8.14	4.7	153	BC	---	0.9	BADGER SPRING

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AUG 3	21:53:49	37.701	114.968	0.3	0.09	0.3	141	AC	---	0.9	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	16: 4:53	36.832	116.089	0.2	9.77	0.8	109	AC	---	0.7	CAMP DESERT ROCK
6	1: 9: 9	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	23:55:15	37.249	116.491	0.3	-0.74	0.5	76	AC	---	1.5	SCRUGHAM PEAK
7	1:24: 1	37.040	116.243	0.5	12.30	0.6	195	AD	---	0.3	TIPPIPAH SPRING
7	1:30:34	37.146	116.882	0.3	9.75	1.7	117	AC	---	1.2	SPRINGDALE
7	5:41:48	37.338	115.033	1.4	3.25	4.3	214	BD	1.2	1.3	ALAMO SE
7	23:18:49	37.150	116.876	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	10.70	0.4	100	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	37.152	117.510	0.8	11.26	1.9	254	AD	---	1.1	LAST CHANCE RANGE
10	1: 7:26	36.711	116.136	0.1	6.19	0.7	77	AC	1.3	1.2	SPECTER RANGE NW
10	3:37:32	36.749	116.018	0.2	3.79	5.4	117	CC	1.4	1.0	CAMP DESERT ROCK
10	18:16:26	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	5.26	1.0	187	AD	1.8	1.1	PAHROC SPRING NE
11	2:56:18	37.708	114.857	0.5	6.54	1.2	223	AD	---	1.3	PAHROC SPRING NE
11	12:47:12	37.341	116.887	0.5	4.15	4.3	97	BC	---	1.0	OAK SPRING BUTTE
11	13:48:58	37.686	115.022	0.2	2.40	0.6	120	AB	2.5	2.9	HIKO NE
11	14:23:27	37.691	115.025	0.2	4.37	1.2	121	AB	---	1.1	HIKO NE
11	15: 9:52	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	BB	---	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	188	AD	---	1.0	UBEHEBE CRATER
12	20:50:59	37.336	116.089	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	37.308	116.487	0.1	1.36	0.4	88	AC	1.6	0.4	SILENT BUTTE
13	17:11:57	37.649	115.041	0.3	1.40	5.6	97	CB	---	0.8	HIKO NE
14	12:17:23	36.879	116.210	0.3	5.94	0.5	131	AB	---	0.6	MINE MTN
14	12:59:59	37.171	116.043	0.8	13.93	1.3	162	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	5:56:10	37.059	116.296	0.2	5.92	0.5	66	AB	---	0.5	BUCKBOARD MESA
17	16:25: 0	37.006	116.049	0.2	-0.16	4.3	85	BB	---	0.2	YUCCA FLAT
19	8:16: 1	37.447	115.472	1.6	0.79	7.8	88	CC	1.5	---	CRESCENT RESERVOIR
19	10:20:44	35.580	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: 0:29	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	CB	1.2	1.0	SKULL MTN
21	16:59:23	37.573	117.460	0.8	6.54	2.0	193	BD	---	1.0	MONTEZUMA PEAK SW
21	18:49:52	37.574	117.437	0.5	4.40	2.9	83	BC	---	1.3	MONTEZUMA PEAK SW
21	18:56:52	37.576	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	167	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	107	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	22:42:30	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	0.80	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	117.455	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	117.452	0.3	1.56	0.7	93	AC	---	1.3	MONTEZUMA PEAK SW

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AUG 22 3:47:52	37.580	117.443	0.4	0.72	0.8	86	AC	2.0	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	37.578	117.452	0.2	0.17	0.8	88	AC	2.5	2.6	MONTEZUMA PEAK SW
22 3:56:44	37.583	117.433	0.5	4.77	3.1	84	BC	1.9	2.0	MONTEZUMA PEAK SW
22 3:58:23	37.577	117.448	0.3	7.67	0.8	92	AB	---	1.4	MONTEZUMA PEAK SW
22 3:58:46	37.580	117.427	0.3	8.78	1.3	138	AC	---	1.3	MONTEZUMA PEAK SW
22 4: 1:19	37.572	117.451	0.2	4.62	1.3	86	AC	---	1.4	MONTEZUMA PEAK SW
22 4: 3:60	37.572	117.446	0.2	1.50	0.7	105	AC	---	0.9	MONTEZUMA PEAK SW
22 4: 4:52	37.573	117.444	0.6	4.20	4.4	93	BC	---	1.6	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	37.566	117.453	0.2	-0.56	0.3	103	AC	---	1.2	MONTEZUMA PEAK SW
22 4:15:53	37.569	117.444	0.3	4.53	1.7	174	AC	---	1.2	MONTEZUMA PEAK SW
22 4:22:50	37.568	117.448	0.3	0.12	0.5	92	AC	1.8	1.8	MONTEZUMA PEAK SW
22 4:26:57	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	0.4	4.64	2.0	83	BC	1.5	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	117.452	0.3	5.03	1.3	93	AC	1.6	1.6	MONTEZUMA PEAK SW
22 4:42:12	37.576	117.451	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	37.564	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	-1.09	0.4	86	AC	2.8	---	MONTEZUMA PEAK SW
22 5: 2:55	37.599	117.440	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	37.569	117.447	0.3	2.10	0.8	92	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 5:16:36	37.574	117.442	0.2	3.67	2.0	132	AC	---	1.3	MONTEZUMA PEAK SW
22 5:23:27	37.574	117.500	3.7	8.43	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	37.569	117.452	0.2	1.35	0.8	93	AC	1.9	1.8	MONTEZUMA PEAK SW
22 5:30:56	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	0.6	7.31	1.7	142	AC	---	1.1	MONTEZUMA PEAK SW
22 5:41:26	37.570	117.449	0.3	2.93	1.9	92	AC	---	1.5	MONTEZUMA PEAK SW
22 6: 4:41	37.574	117.445	0.3	1.28	1.0	85	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 6:49:60	37.571	117.443	0.2	0.64	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: 6:16	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	4.06	2.5	106	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	4.69	1.4	102	AC	---	1.4	MONTEZUMA PEAK SW
22 7:49: 8	37.570	117.441	0.3	0.53	0.5	82	AC	1.6	1.3	MONTEZUMA PEAK SW
22 7:56: 1	37.566	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	4.25	4.3	95	BC	---	1.2	MONTEZUMA PEAK SW
22 8:24:13	37.578	117.448	0.3	8.88	0.7	136	AC	---	1.0	MONTEZUMA PEAK SW
22 8:39:46	37.569	117.456	0.5	-1.03	1.6	104	BC	1.6	---	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	37.565	117.455	0.3	-0.88	0.8	104	AC	1.7	---	MONTEZUMA PEAK SW
22 17:25:43	37.578	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	0.6	6.11	1.8	140	AC	---	1.2	MONTEZUMA PEAK SW
22 18:12:27	37.571	117.440	3.4	4.91	2.3	83	BC	2.1	1.7	MONTEZUMA PEAK SW
22 18:29: 8	37.569	117.446	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	0.6	10.67	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	117.454	0.5	7.10	1.3	189	AD	---	1.5	MONTEZUMA PEAK SW

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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	4.80	2.7	91	BC	2.4	2.3	MONTEZUMA PEAK SW
22	20:58: 3	37.571	117.445	0.3	4.06	2.7	106	BC	---	1.4	MONTEZUMA PEAK SW
22	22:53:13	37.573	117.455	0.6	3.02•	---	126	CC	---	1.0	MONTEZUMA PEAK SW
22	23:18:32	37.569	117.447	0.2	2.03	0.6	92	AC	---	1.4	MONTEZUMA PEAK SW
22	23:42:24	36.871	116.222	0.3	0.75	0.5	109	AB	---	0.5	SKULL MTN
22	23:55:52	37.573	117.425	0.6	4.95	3.5	126	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	12.66	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	1.9	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	117.450	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	117.449	0.9	4.28	5.0	185	BD	---	1.1	MONTEZUMA PEAK SW
23	8:44:46	37.349	117.713	0.3	0.83	0.5	141	AC	2.0	2.1	MAGRUDER MTN
23	10:14:47	37.686	115.026	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	6.58	0.7	190	AD	---	1.0	MONTEZUMA PEAK SW
23	15: 0:59	37.569	117.452	0.4	5.59	1.2	187	AD	---	1.3	MONTEZUMA PEAK SW
23	15: 7:45	37.575	117.421	0.4	6.21	1.5	124	AC	---	1.1	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	106	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	2.36	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	82	AC	---	1.3	MONTEZUMA PEAK SW
24	8:14:59	37.216	117.597	0.3	5.60	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	167	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	5.28	0.7	132	AB	1.9	1.6	LAST CHANCE RANGE
24	11:52:21	37.231	117.599	0.5	4.12	0.8	144	AC	1.5	1.4	LAST CHANCE RANGE
24	11:54: 2	37.235	117.595	0.6	-0.80	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	117.586	0.8	1.40	1.5	148	AC	---	1.0	LAST CHANCE RANGE
24	12:37: 0	37.224	117.594	0.3	4.53	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: 8	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	---	0.6	LAST CHANCE RANGE
24	16:24:39	37.243	117.579	0.4	-0.86	0.3	140	AC	---	0.8	LAST CHANCE RANGE
24	16:32:22	37.240	117.574	0.5	-0.98	0.4	144	AC	---	0.9	LAST CHANCE RANGE
24	17:27:59	37.230	117.591	0.4	4.90	1.2	119	AB	---	1.0	LAST CHANCE RANGE
24	18:39:35	37.214	117.602	0.4	-0.14	0.7	167	AC	1.8	---	LAST CHANCE RANGE
24	21:16:19	37.219	117.608	1.6	4.86	2.8	138	BC	1.6	---	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	1.8	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	115.339	0.7	10.70	2.1	141	BC	---	1.5	DESERT HILLS NE
29	1:56:19	36.730	116.029	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

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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	116.366	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	116.206	0.2	0.15	0.4	148	AC	---	0.6	SKULL MTN
SEP 1	3:13:11	37.173	115.066	1.4	2.79	1.2	204	BD	1.7	---	LOWER PAHRANAGAT LAKE
1	11: 3: 8	36.717	116.202	0.5	2.24	1.4	65	BB	1.7	---	SPECTER RANGE NW
2	16:14:54	37.356	117.744	0.3	0.38	0.5	144	AC	---	1.4	MAGRUDER MTN
2	19:45: 8	37.169	118.045	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: 5	36.703	116.275	0.3	7.35	0.3	123	AB	---	0.6	STRIPED HILLS
5	10:14: 7	36.841	117.474	0.5	9.47	0.7	183	AD	---	1.4	TIN MTN
6	2: 4:58	37.180	116.686	0.3	1.77	0.6	144	AC	---	0.9	THIRSTY CANYON NW
6	4:11:20	37.573	117.459	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	216	AD	1.2	0.4	LATHROP WELLS SW
7	14:30:59	36.737	117.292	0.3	11.88	0.8	132	AB	2.2	2.5	MARBLE CANYON
9	6:34: 7	37.256	115.007	0.4	5.54	1.8	158	AC	1.9	---	ALAMO SE
9	22:11:29	37.578	117.433	0.7	10.27	1.5	134	AB	---	1.4	MONTEZUMA PEAK SW
9	22:12:49	37.567	117.449	0.1	6.70	0.5	129	AC	---	1.4	MONTEZUMA PEAK SW
10	9: 7:19	36.747	116.659	0.5	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	37.616	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	3.00*	---	329	CD	---	0.7	ASH MEADOWS
13	14:39:53	37.460	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	2.6	157	BC	---	1.0	TOLICHA PEAK
13	20:22:30	37.131	116.872	0.3	-0.89	0.4	111	AC	1.5	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	36.899	115.971	0.6	7.11	1.1	213	AD	---	0.6	PLUTONIUM VALLEY
14	23:26: 2	37.333	116.053	0.3	5.99	2.2	123	BC	---	1.0	OAK SPRING BUTTE
15	10:52:12	36.730	115.565	0.3	5.78	2.7	87	BC	1.9	---	HEAVENS WELL
15	12:53:15	36.586	115.024	1.9	0.70	1.8	245	BD	2.0	---	HAYFORD PEAK
16	5:45:57	37.167	117.404	0.2	6.23	0.9	120	AC	1.4	1.1	UBEHEBE CRATER
16	6:56:14	36.478	117.016	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	10:36:38	36.448	116.758	0.3	9.15	1.6	112	AC	---	1.7	FURNACE CREEK
16	15:11:19	38.009	115.925	0.3	8.36	2.2	157	BC	---	1.6	QUINN CANYON RANGE
16	21:50:23	36.418	117.009	0.2	6.37	3.1	151	BC	---	1.3	EMIGRANT CANYON
17	5:23:21	36.893	115.966	0.2	5.80	1.2	155	AC	1.6	1.6	PLUTONIUM VALLEY
17	6:35:26	37.140	116.883	0.5	6.83	2.4	195	BD	1.5	0.8	SPRINGDALE
17	11:17:26	36.792	116.010	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	8:36:58	37.306	117.273	0.3	6.26	0.3	105	AB	1.6	1.1	GOLD POINT
20	13:49:37	37.153	116.286	0.2	6.88	0.3	103	AB	---	1.1	AMMONIA TANKS
21	21:39:56	36.699	116.314	0.2	0.18	0.2	108	AB	---	0.2	STRIPED HILLS
23	13:14: 5	36.725	115.815	0.4	6.91	0.4	211	AD	---	1.3	MERCURY NE
24	18: 1:16	37.183	117.396	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	0.6	2.54	0.7	303	AD	---	0.7	CANE SPRING
26	13:47:59	37.117	117.302	0.3	0.32	0.5	98	AC	---	1.6	UBEHEBE CRATER
27	0:48:40	37.695	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	37.276	116.216	0.3	9.04	0.4	241	AD	---	0.9	QUARTET DOME
28	21:11:49	37.281	116.215	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	21:15:50	37.279	116.215	0.2	9.39	0.7	108	AB	---	1.9	QUARTET DOME
28	21:21:44	37.275	116.210	0.2	6.41	0.7	106	AB	1.6	1.5	QUARTET DOME
28	21:55: 0	37.280	116.213	0.1	9.36	0.5	97	AB	1.8	1.4	QUARTET DOME
28	22:24:31	37.282	116.210	0.2	5.91	1.2	108	AC	---	0.9	QUARTET DOME
29	1:59: 8	37.276	116.213	0.2	7.63	0.6	97	AB	1.6	1.3	QUARTET DOME
29	10:54:14	37.272	116.214	0.3	6.80	0.6	202	AD	1.6	1.2	QUARTET DOME
29	15:59:39	36.692	116.258	0.7	1.88	0.9	248	AD	---	0.6	STRIPED HILLS

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SEP 29 16:45: 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	10.08	0.6	126	AB	1.3	1.1	MERCURY SE
OCT 1 20:56:29	37.700	115.817	0.3	3.70	2.0	126	BB	1.6	---	HIKO NE
2 6: 3:32	37.285	116.215	0.4	9.32	0.6	208	AD	---	0.9	QUARTET DOME
2 11: 1:53	37.183	117.389	0.4	5.68	2.1	159	BC	---	1.2	UBEHEBE CRATER
2 18:16:22	37.810	116.148	0.3	3.90	1.5	110	AB	---	1.5	TIPPIPAH SPRING
2 19:27: 3	37.574	117.622	0.3	6.29	2.6	101	BC	---	1.2	LIDA WASH
2 19:44:39	38.459	115.745	1.2	1.35	1.5	249	BD	2.7	2.7	TROY CANYON
3 4:42: 5	36.815	116.061	0.4	0.10	0.3	180	AD	---	0.7	CANE SPRING
3 9:55:25	36.604	116.047	0.1	6.72	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: 9	37.484	116.362	0.3	8.99	1.7	128	AC	---	1.0	SILENT CANYON NE
6 5: 2:55	37.256	116.029	0.2	4.67	0.8	97	AB	---	1.1	OAK SPRING BUTTE
6 13:16:51	37.249	115.995	0.4	7.87	1.0	192	AD	1.7	1.8	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	201	AD	---	1.5	LOWER PAHRANAGAT LAKE
8 8:15:49	37.696	115.021	0.2	1.88	0.6	123	AB	---	1.1	HIKO NE
8 8:28:53	36.882	115.964	0.2	6.26	2.4	154	BC	---	0.8	PLUTONIUM VALLEY
9 20:40: 0	37.203	116.200	0.7	4.16	3.2	106	BC	---	0.2	RAINIER MESA
10 8:42:41	36.894	116.314	0.2	8.95	0.4	43	AA	1.6	1.7	TOPOPAH SPRING
10 11:17:21	36.892	116.325	0.2	6.59	0.6	52	AB	1.3	1.0	TOPOPAH SPRING
11 0:16:27	35.644	116.288	1.0	10.22	0.6	257	AD	---	2.9	AVAWATZ PASS
11 3:51: 6	37.427	115.001	0.5	0.44	0.2	161	AC	---	1.1	ALAMO NE
11 5:39:60	36.807	116.783	1.3	36.04	0.9	315	BD	---	1.2	BULLFROG
11 11:13:37	36.917	116.726	0.3	1.71	0.9	96	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	8.64	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	HIKO SE
13 9:36:20	36.803	115.908	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	6.04	0.9	128	AC	---	1.2	UBEHEBE CRATER
19 22:48:56	37.478	116.864	0.2	6.37	0.4	59	AA	1.8	1.2	WHEELBARROW PEAK NE
22 22:30: 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	5.81	0.9	153	AC	1.6	1.6	PAHROC 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 13:57:60	37.507	115.105	0.3	6.46	1.1	85	AB	1.8	1.9	HIKO SE
28 0:11:30	37.305	117.632	0.3	4.29	1.4	109	AB	---	1.6	MAGRUDER MTN
28 0:12:60	37.301	117.632	0.3	5.24	0.8	109	AB	1.6	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	201	BD	---	1.5	GREGERSON BASIN
29 0:59:44	36.660	116.251	0.2	5.01	0.6	107	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	117.736	0.3	7.26	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	37.086	117.409	0.6	5.71	3.2	128	BB	1.5	2.1	UBEHEBE CRATER
2 9: 2:54	36.630	116.386	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	1.8	SPRINGDALE
3 3:49:10	37.052	116.954	0.2	12.26	0.9	146	AC	1.7	1.5	SPRINGDALE
3 4:34:38	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	114.909	0.4	0.59	0.4	168	AC	---	1.6	DELAMAR LAKE
7 13:47:45	36.715	116.263	0.3	2.09	0.6	126	AB	1.0	---	STRIPED HILLS
8 6:16:58	36.650	116.263	0.3	6.17	0.5	126	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 15:45: 5	37.309	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	2.6	289	BD	---	1.7	JANGLE RIDGE
11 20:31:47	37.245	115.467	0.3	-0.91	0.5	123	BC	1.9	1.8	DESERT HILLS NW
12 0:53:32	37.078	116.221	0.3	4.65	0.9	56	BA	1.9	2.0	TIPPIPAH SPRING
12 4:13:43	37.081	116.215	0.2	4.35	0.9	117	AB	1.6	1.3	TIPPIPAH SPRING
12 17:34: 1	36.751	115.856	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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NOV 15	10:51 58	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	116.532	2.2	-0.93	6.5	94	DB	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	-0.69	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	8.45	3.9	297	BD	1.7	---	SILENT CANYON NW
16	12: 6:51	36.165	114.728	16.9	7.05	5.7	286	DD	2.3	---	HOOVER DAM
16	14:42:23	37.293	116.467	1.0	-0.24	8.7	174	CC	2.0	---	SILENT BUTTE
17	21:56:19	37.302	116.340	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	155	AC	---	1.7	CORN CREEK SPRINGS NW
20	14: 5:19	36.795	115.942	0.6	3.92	4.7	190	BD	---	1.0	FRENCHMAN FLAT
21	9:53:39	37.417	117.281	0.5	4.33	2.6	120	BC	---	1.2	MOUNT JACKSON
21	17:10: 6	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	36.810	116.014	1.1	8.49	2.3	217	BD	1.4	1.1	CANE SPRING
22	20:27:31	36.806	116.046	0.2	1.90	0.5	117	AC	---	1.0	CANE SPRING
22	22:10:48	36.160	117.164	0.5	2.61	1.9	214	AD	2.2	1.8	TELESCOPE PEAK
23	19: 4: 8	36.888	116.716	0.4	6.67••	2.3	167	BC	1.3	0.9	BARE MTN
24	11:11: 9	36.810	116.143	0.4	4.72	0.5	260	AD	---	0.5	SKULL MTN
24	12:59:34	37.310	116.442	0.2	5.36	0.8	104	AC	1.6	1.2	SILENT BUTTE
24	18:59:46	36.902	116.747	0.7	0.63••	0.6	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	36.810	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	116.502	0.2	1.50	0.7	70	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	16: 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	105	AC	---	1.0	SILENT BUTTE
28	8:28:53	37.251	116.522	2.6	0.53	10.0	165	CC	1.6	---	TRAIL RIDGE
28	18:20:37	36.777	116.200	0.4	5.39	0.6	218	AD	1.0	0.3	SKULL MTN
28	19:19:35	36.698	116.262	0.3	9.28	0.4	76	AA	1.4	1.4	STRIPED HILLS
29	6:12:51	37.309	116.445	0.2	3.98	1.7	104	AC	1.5	1.0	SILENT BUTTE
29	23:45:60	36.481	116.509	0.2	1.79	0.7	102	AB	1.8	1.6	RYAN
DEC 1	21:33:58	37.301	115.193	0.3	0.09	0.5	174	AC	2.3	2.3	ALAMO
1	22:49:43	37.297	115.187	0.4	7.00••	7.7	175	CC	---	2.4	ALAMO
2	7:41:56	37.502	114.939	7.4	48.40	9.7	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	8:56:57	37.509	115.857	9.6	33.87•	---	108	DB	1.6	---	HIKO SE
2	22: 8:44	37.311	116.451	0.4	7.11	1.0	260	AD	---	1.0	SILENT BUTTE
5	19:25:53	36.897	116.760	1.1	3.00•	---	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	22:59:20	37.047	116.016	0.7	9.75	1.3	213	AD	---	0.9	YUCCA FLAT
12	11:57:53	36.860	116.726	0.2	2.46	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	37.230	116.598	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	0.91	2.3	199	BD	1.3	---	AMMONIA TANKS
14	6:18:48	37.150	116.325	0.9	5.26	1.3	152	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	15:22:51	37.148	116.324	0.3	0.89	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	5.96	0.8	164	AC	---	1.0	FRENCHMAN FLAT
17	8: 2:22	37.334	115.885	0.4	7.93	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	HIKO NE
20	4:21:12	36.583	116.039	0.1	13.32	0.3	74	AA	1.9	2.2	SPECTER RANGE SE
20	4:21:43	36.584	116.046	0.2	9.75	0.8	137	AC	1.8	1.5	SPECTER RANGE SE
20	9:24: 6	36.583	116.044	0.2	11.83	0.5	86	AA	1.7	1.8	SPECTER RANGE SE
22	5:16:17	37.119	115.273	0.4	4.68	1.0	143	AC	---	1.4	DESERT HILLS SE
22	9:27:53	36.953	117.555	0.2	0.91	0.2	185	AD	---	1.3	DRY MTN
22	11:46:33	37.620	117.735	0.4	7.03	1.7	116	AB	---	1.4	LIDA WASH
22	16:55: 3	36.811	116.032	0.5	4.91	3.1	191	BD	---	0.5	CANE SPRING

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DEC 23 1: 9:59	35.724	115.988	0.6	-0.12	5.5	260	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	36.791	116.037	0.4	11.50	0.9	165	AC	---	0.9	CANE SPRING
25 13:39:21	37.393	116.995	0.3	11.21	1.8	80	AC	---	1.4	TOLICHA PEAK
27 17:46:40	36.853	115.965	0.3	5.80	2.9	149	BC	1.5	1.2	FRENCHMAN FLAT
27 18:54:46	36.854	115.963	0.5	3.93	6.5	213	CD	---	0.9	FRENCHMAN FLAT
29 3:37:38	37.109	116.948	0.2	7.39	1.9	106	AC	---	0.9	SPRINGDALE
29 9:30:59	37.199	117.544	0.4	1.61	1.2	153	AC	---	1.2	LAST CHANCE RANGE
30 2: 0:44	36.983	116.855	0.2	0.26	0.3	116	AC	---	0.5	BULLFROG
31 3: 6: 1	37.214	117.550	0.5	5.05	1.4	143	AC	---	1.1	LAST CHANCE RANGE
31 7:11:12	37.038	115.235	0.3	4.87	3.5	167	BC	2.3	2.3	LOWER PAHRANAGAT LAKE SW
31 14:14:29	36.975	116.009	0.2	8.66	0.9	175	AC	---	0.8	YUCCA LAKE
31 20:27:58	37.182	116.588	0.2	5.78	1.0	103	AC	---	1.2	THIRSTY CANYON NE

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JAN 1	0:35:45	37.177	116.585	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	115.100	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	11:46:21	37.289	115.207	0.6	5.45	3.1	123	BC	2.0	1.8	ALAMO
3	0:44:40	37.487	116.605	0.2	8.63	0.9	80	AC	---	1.1	BLACK MTN NE
6	11:35:47	37.097	117.437	0.3	-0.97	0.5	134	AC	2.3	2.1	UBEHEBE CRATER
6	13: 4: 7	37.152	116.328	0.2	2.09	0.4	77	AB	---	0.8	AMMONIA TANKS
6	18:14:60	36.651	116.274	0.2	6.78	0.6	117	AB	---	0.8	STRIPED HILLS
7	4: 4:25	36.754	116.273	0.4	0.51	0.2	140	AC	---	0.3	JACKASS FLATS
7	6:21:29	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	116.583	0.2	8.13	1.2	61	AC	1.7	1.1	BIG DUNE
7	18:42: 0	37.180	116.594	0.3	6.73	1.2	100	AB	1.4	1.0	THIRSTY CANYON NE
7	22:15:60	37.049	115.997	0.4	4.58	3.5	221	BD	---	1.0	PAIUTE RIDGE
8	10:23:38	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	19:46:27	36.647	116.270	0.3	6.38	0.5	121	AB	---	0.7	STRIPED HILLS
9	21:12:23	37.187	117.545	0.2	4.54	1.5	136	AC	---	1.0	LAST CHANCE RANGE
9	23:35:35	36.650	116.266	0.3	5.66	0.6	118	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	0.62	0.2	121	AC	---	0.9	CANE SPRING
11	8:34:28	37.301	116.445	0.1	5.43	0.6	100	AC	---	1.0	SILENT BUTTE
11	8:38:31	36.992	115.242	0.3	11.29	0.9	169	AC	1.6	1.6	MULE DEER RIDGE NW
11	9:18:14	36.998	115.246	0.9	10.41	1.3	210	AD	---	1.4	MULE DEER RIDGE NW
11	9:19: 5	36.992	115.246	1.0	9.14	1.6	203	AD	---	1.3	MULE DEER RIDGE NW
11	10: 4:15	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	---	0.8	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	11:26:46	36.722	117.251	0.4	1.47	1.2	106	AB	2.1	1.6	MARBLE CANYON
16	14:28:59	36.870	115.972	0.2	2.96	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	1.5	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	115.968	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	0.8	159	AC	---	0.8	LATHROP WELLS NW
16	22:18:34	36.871	115.968	0.3	3.09*	---	125	CC	1.6	1.2	FRENCHMAN FLAT
17	2:19:31	37.075	116.951	0.5	4.31	3.4	97	BC	1.7	1.4	SPRINGDALE
17	3: 6:37	36.895	115.927	0.4	4.50	1.4	200	AD	---	0.9	PLUTONIUM VALLEY
17	3:30:60	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	---	1.6	DELAMAR 3 NW
17	18:43:49	37.363	114.642	0.6	8.98	0.7	223	AD	2.6	2.2	ELGIN SW
18	11:51: 2	36.854	116.260	0.1	4.15	0.4	56	AB	1.5	1.2	JACKASS FLATS
18	12:56:22	36.843	116.264	0.2	8.50	0.4	61	AA	1.5	1.4	JACKASS FLATS
18	14:44:55	36.663	116.384	0.3	9.44	0.7	216	AD	---	0.8	LATHROP WELLS NW
19	9:38:18	36.542	116.015	0.2	9.68	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	116.006	0.4	10.37	0.8	186	AD	---	1.3	CANE SPRING
21	17:20:37	37.632	118.021	0.4	4.21	2.6	268	BD	---	1.6	***REGIONAL***
22	7:25:17	37.238	114.661	0.9	14.66	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	5.0	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	116.295	0.2	3.61	0.6	132	AB	1.5	1.1	STRIPED HILLS
23	1:28:30	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	3.53	0.5	246	AD	---	0.5	STRIPED HILLS
23	12:46:11	36.664	116.300	0.4	1.62	2.1	224	BD	---	0.3	STRIPED HILLS
23	17: 0:35	36.979	116.284	0.2	3.83	0.5	93	AB	1.4	0.9	TOPOPAH SPRING
23	17:56: 8	36.980	116.286	0.2	3.91	0.9	96	AB	---	0.6	TOPOPAH SPRING
23	23:49:38	37.369	114.641	0.6	7.73	2.2	264	BD	---	1.4	ELGIN SW

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DATE	TIME (UTC)	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	116.030	0.2	4.43	2.0	123	BC	1.8	1.6	CANE SPRING
25	11:19:45	37.467	117.568	0.2	4.33	0.9	82	AB	---	1.1	MAGRUDER MTN
25	14:22:51	36.617	116.255	0.4	5.34	0.9	148	AC	---	0.7	LATHROP WELLS SE
25	16:25: 4	36.808	116.025	0.3	5.72	1.4	172	AC	1.7	1.8	CANE SPRING
25	21: 2:44	36.809	116.031	0.1	4.18	1.3	121	AC	1.4	1.8	CANE SPRING
25	22:19:22	37.511	114.646	0.8	11.20	1.1	269	AD	1.8	1.6	CHOKECHERRY MTN
25	23:17:43	37.255	114.583	0.7	3.44*	---	240	CD	1.8	1.9	ELGIN
26	11: 1:17	36.757	116.032	0.2	3.87	1.7	156	AC	---	0.7	CANE SPRING
26	11:46:10	37.064	115.281	0.2	5.97	1.3	131	AC	2.3	2.2	DESERT HILLS SE
26	15:22:37	37.213	114.622	0.6	2.64	1.9	234	AD	2.0	2.0	VIGO NE
26	15:43:56	37.209	114.616	0.8	4.77*	---	279	CD	1.9	1.8	VIGO NE
26	18:20:51	37.214	114.781	0.9	11.98	2.4	257	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	116.033	0.2	0.72	0.3	122	AC	1.7	1.2	CANE SPRING
27	14:35:43	36.589	117.093	0.2	4.61	2.6	117	BC	1.6	1.1	STOVEPIPE WELLS
28	18:12:49	36.815	116.034	0.1	1.60	0.3	122	AC	1.6	1.8	CANE SPRING
29	1:53:32	37.222	117.932	0.4	9.52	1.1	231	AD	1.6	1.4	WAUCOBA SPRING
29	21: 3:50	36.803	115.487	0.3	0.10	0.6	105	AC	1.9	1.6	DOG BONE LAKE SOUTH
30	2:58:58	36.822	115.993	0.5	14.65	1.0	196	AD	---	0.8	FRENCHMAN FLAT
30	9:28:34	37.056	116.036	0.2	5.17	1.6	116	AC	---	1.6	YUCCA FLAT
30	19:20:53	36.660	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	202	AD	---	0.2	TOPOPAH SPRING NW
FEB 1	6:52:20	36.802	116.026	0.2	3.85	4.5	121	BC	1.8	1.5	CANE SPRING
1	14:49: 7	36.659	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	36.819	116.017	0.4	10.58	0.9	180	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	36.681	116.283	0.8	2.86	0.7	224	AD	---	0.5	STRIPED HILLS
3	13:58: 7	36.810	116.025	0.4	5.60	2.0	160	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	115.976	0.2	2.58	0.7	123	AB	2.0	1.5	FRENCHMAN FLAT
5	0:51: 5	36.716	115.824	1.1	3.90	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	116.086	0.2	5.13	1.9	124	AC	2.0	1.7	REVEILLE PEAK
5	21:23: 6	37.155	116.204	0.3	0.18	0.4	101	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	115	BC	2.0	1.6	STOVEPIPE WELLS
6	6:44:30	36.589	117.089	0.2	5.93	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	117.095	0.2	0.72	0.2	116	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	2.57	1.7	207	AD	2.0	1.9	HAYFORD PEAK
7	21:15:21	36.829	115.353	0.3	15.05	1.7	131	AC	2.1	2.1	DEAD HORSE RIDGE
8	7:16:50	36.963	117.101	0.3	5.95	2.2	140	BC	---	1.0	GRAPEVINE PEAK
8	8:59:25	36.837	115.349	0.2	2.99	1.2	178	AC	1.9	1.6	DEAD HORSE RIDGE
8	13:30: 4	36.869	115.977	0.3	0.75	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	166	BC	0.0	0.0	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	37.857	116.129	0.5	5.48	5.2	145	CC	---	1.9	REVEILLE PEAK
10	13:23:19	36.737	115.956	0.3	1.87	0.7	158	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	5:25:37	37.854	116.137	0.3	5.92	2.2	106	BC	---	1.6	REVEILLE PEAK
11	11:31:47	36.657	116.217	0.2	8.75	0.5	106	AB	---	0.5	SPECTER RANGE NW
11	13:16:37	37.264	115.615	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	6.56	0.8	113	AB	---	0.6	SPECTER RANGE NW
12	4:29:56	37.406	116.007	0.2	4.37	1.3	71	AC	---	1.2	WHEELBARROW PEAK NE
13	8:28:34	37.360	115.010	1.1	5.34	1.5	175	BC	---	1.1	ALAMO SE
13	11: 5:19	37.362	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	0.98	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

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FEB 14 2:33:22	37.852	116.137	0.3	0.83	0.4	105	AC	---	1.8	REVEILLE PEAK
14 4: 7:25	37.085	117.451	0.2	8.65	0.8	140	AC	---	1.4	UBEHEBE CRATER
14 7:39:26	37.151	114.926	1.8	8.40	5.1	257	CD	---	1.9	DELAMAR 3 NW
16 23:25:57	36.846	115.899	0.3	10.68	0.8	211	AD	---	1.0	FRENCHMAN FLAT
17 7:29:12	36.433	117.031	0.3	9.40	0.5	122	AB	---	1.1	EMIGRANT CANYON
17 20:13:59	37.025	116.494	0.6	4.59	1.4	191	AD	1.8	0.9	TIMBER MTN
17 20:29:25	37.020	116.464	0.2	8.83	0.6	89	AA	1.7	1.7	TIMBER MTN
17 21: 8:17	37.027	116.473	0.1	4.54	0.7	92	AB	1.5	1.1	TIMBER MTN
17 21:21:17	37.021	116.478	0.7	4.84	1.2	185	AD	---	0.5	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: 7:45	37.025	116.480	0.2	5.69	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	0.30	0.2	115	AC	1.9	1.8	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	178	AC	1.6	1.4	TIMBER MTN
18 2:23:32	37.018	116.461	0.2	9.65	0.5	63	AA	1.6	1.7	TIMBER MTN
18 3: 3:13	37.037	116.483	0.8	9.78	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	37.019	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	107	AB	---	0.7	TIMBER MTN
18 15:28:53	37.024	116.473	0.1	7.32	0.6	59	AB	1.5	1.4	TIMBER MTN
18 15:54: 5	37.137	116.994	0.2	4.45	2.4	114	BC	---	1.0	SPRINGDALE
18 19:53: 6	37.024	116.475	0.2	8.48	0.7	91	AB	1.7	1.1	TIMBER MTN
18 20: 9:36	36.728	115.944	1.3	6.82	2.3	162	BC	---	0.9	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	10.81	0.9	163	AC	---	0.7	CANE SPRING
19 2:51: 5	36.420	116.291	0.3	0.95	0.5	102	AC	1.5	1.2	ASH MEADOWS
20 19:55:58	37.863	116.127	0.3	-0.19	0.5	108	AC	2.0	2.0	REVEILLE PEAK
22 0:12:33	36.974	117.452	0.4	1.63	1.0	153	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	0.68	0.5	121	AC	---	0.8	CANE SPRING
25 0: 4:57	37.279	115.262	0.3	0.22	0.7	98	AC	---	1.9	BADGER SPRING
25 9:23:42	37.490	115.390	0.2	7.11	1.4	84	AC	---	1.1	CRESCENT RESERVOIR
25 10:44:59	37.054	115.266	0.5	5.26	2.4	193	BD	2.1	1.6	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	37.194	117.387	0.4	8.49	1.0	112	AB	---	1.0	UBEHEBE CRATER
26 6:43:48	36.680	115.812	0.5	-0.44	0.4	144	AC	1.5	1.0	MERCURY NE
26 6:59: 8	36.760	115.735	0.4	-0.84	0.7	168	AC	---	1.4	QUARTZ PEAK SW
26 7:11:12	36.705	115.790	0.5	0.75	0.2	155	AC	---	1.2	MERCURY NE
26 7:14: 7	36.708	115.802	0.3	4.63	4.1	109	BB	1.5	1.4	MERCURY NE
26 17:46: 9	37.192	117.395	0.2	5.47	1.3	114	AC	---	1.3	UBEHEBE CRATER
27 2:10:53	36.674	115.794	0.5	-1.16	0.3	225	AD	---	1.2	MERCURY NE
27 2:18:18	36.665	115.790	0.5	-0.77	0.5	165	BC	1.7	1.6	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	0.8	0.08	0.3	223	AD	---	0.9	MERCURY NE
27 2:50: 3	36.710	115.799	0.4	-0.58	0.4	109	AB	---	1.6	MERCURY NE
27 6:51:32	36.702	115.776	0.8	0.46	0.3	225	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	115.808	0.4	0.04	0.2	108	AB	1.5	0.9	MERCURY NE
27 20:36:40	37.538	116.531	0.5	7.01	4.0	83	BC	---	1.1	MELLAN
28 20: 9:50	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	0.5	0.73	2.3	90	BB	1.7	---	BLACK MTN SW
2 20:44:39	37.158	117.338	0.2	6.76	0.9	106	AC	---	0.8	UBEHEBE CRATER
2 21: 0: 6	37.163	117.332	0.2	7.27	0.6	103	AC	2.0	1.5	UBEHEBE CRATER
2 21:47:55	37.857	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	6.16	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	37.571	116.388	0.3	8.76	0.9	111	AC	---	1.4	QUARTZITE MTN
5 23:41:56	37.141	116.876	0.4	8.82	1.9	113	AB	1.6	1.3	SPRINGDALE
6 1:15:24	37.856	116.133	0.3	6.12	2.3	106	BC	2.0	1.6	REVEILLE PEAK
6 20:16:53	37.160	117.359	0.1	8.08	0.3	102	AC	3.0	2.4	UBEHEBE CRATER
6 20:20: 6	37.163	117.351	0.2	8.52	0.7	109	AC	---	1.4	UBEHEBE CRATER

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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	117.351	0.2	5.78	1.0	99	AC	1.4	1.2	UBEHEBE CRATER
6	20:37:44	37.163	117.356	0.2	8.83	0.5	111	AB	1.9	1.7	UBEHEBE CRATER
6	20:43:47	37.164	117.354	0.2	7.34	0.9	110	AC	1.8	1.6	UBEHEBE CRATER
6	20:46:44	37.161	117.361	0.2	8.52	0.8	113	AC	---	1.0	UBEHEBE CRATER
6	20:52:38	37.167	117.358	0.1	7.70	0.4	111	AC	---	1.3	UBEHEBE CRATER
6	20:55:19	37.165	117.356	0.2	8.31	0.6	111	AC	---	1.4	UBEHEBE CRATER
6	21:24:25	37.162	117.358	0.2	7.33	0.9	112	AC	1.2	1.5	UBEHEBE CRATER
6	21:40:34	37.159	117.359	0.2	6.49	0.9	102	AC	1.9	1.6	UBEHEBE CRATER
6	22:18:32	37.160	117.358	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	7.69	0.6	101	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	117.356	0.2	7.56	0.8	111	AC	---	1.2	UBEHEBE CRATER
7	13:36:60	37.856	116.134	0.2	1.54	0.7	106	AC	---	1.2	REVEILLE PEAK
7	16:45:28	37.160	117.353	0.2	6.12	0.9	111	AC	1.6	1.1	UBEHEBE CRATER
7	18:51:32	36.814	116.744	0.5	1.65	0.9	241	AD	---	0.8	BARE MTN
8	6:25:13	37.161	117.351	0.2	6.12	1.1	110	AC	---	1.2	UBEHEBE CRATER
9	8: 9:41	37.070	115.255	0.3	6.54	0.9	162	AC	---	1.9	DESERT HILLS SE
10	7:32:10	37.254	115.038	1.1	1.93	1.4	200	BD	---	0.9	ALAMO SE
12	15:21:57	36.699	116.287	0.2	3.61	0.4	81	AA	1.3	0.8	STRIPED HILLS
14	2: 9:22	37.710	117.604	0.8	14.36	1.2	233	AD	---	1.6	LIDA WASH
14	3: 8:47	36.850	116.262	0.2	7.82	0.4	62	AB	1.6	1.0	JACKASS FLATS
14	5:47:15	37.343	117.243	0.2	0.69	0.1	98	AB	2.2	1.7	SCOTTYS JUNCTION SW
14	7:24:38	37.011	116.193	0.3	6.10	0.7	89	AA	1.6	1.6	TIPPIPAH SPRING
14	9:23:51	37.345	117.238	0.3	0.45	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	8:59:51	37.348	117.241	0.4	-0.15	0.3	134	AB	---	1.0	SCOTTYS JUNCTION SW
15	14:41: 1	37.020	116.413	0.2	8.85	0.3	120	AB	1.6	1.0	TIMBER MTN
16	0:39: 9	37.142	116.876	0.3	5.00	2.2	162	BC	1.6	1.2	SPRINGDALE
16	4:10:48	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	126	BC	1.1	1.0	FRENCHMAN FLAT
17	7:15: 6	36.481	115.472	0.4	0.06	0.5	125	AC	---	1.2	CORN CREEK SPRINGS NW
17	19:43: 0	37.140	116.869	0.1	0.66	0.2	132	AC	---	1.1	SPRINGDALE
18	4:50:48	37.162	117.354	0.2	6.63	0.9	111	AC	---	1.4	UBEHEBE CRATER
18	7:52:12	37.277	115.250	0.5	4.82	3.3	104	BC	2.1	2.2	BADGER SPRING
18	8:23:45	37.282	115.253	0.5	1.93	1.7	102	AC	1.9	2.1	BADGER SPRING
18	10: 7: 5	37.287	115.250	0.3	0.65	0.4	115	AC	---	1.3	BADGER SPRING
18	21:57:49	37.258	115.250	0.5	11.70	1.0	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	115.255	0.5	4.36	4.6	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	8.30	1.8	128	AB	---	1.3	BADGER SPRING
20	11:13: 2	37.266	115.254	0.5	8.26	1.3	128	AB	---	1.5	BADGER SPRING
20	11:37: 1	37.266	115.251	0.4	8.89	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	6:38:26	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	109	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	1.6	---	YUCCA FLAT
25	18: 0:51	37.346	117.235	0.2	0.50	0.2	54	AB	1.9	1.8	SCOTTYS JUNCTION SW
26	15:45: 7	37.026	116.144	0.3	7.01	0.5	200	AD	---	0.8	TIPPIPAH SPRING
27	16:44: 0	36.358	115.881	1.2	21.43	1.3	320	BD	1.9	---	MT STIRLING
28	13: 6:40	36.850	115.966	0.2	5.07	1.5	148	AC	---	0.9	FRENCHMAN FLAT
29	16:43:40	37.164	117.353	0.3	8.51	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	115.973	0.3	0.54	0.4	124	AB	---	0.9	FRENCHMAN FLAT
31	5:27:55	37.350	117.229	0.4	-0.17	0.2	184	AD	---	1.0	SCOTTYS JUNCTION SW

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MAR 31	8:11:31	37.142	116.293	0.2	8.01	0.3	62	AB	1.7	1.4	AMMONIA TANKS
31	8:51:24	36.990	116.240	0.2	6.42	0.3	64	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	116.078	0.2	5.40	2.0	85	BC	0.7	1.3	CAMP DESERT ROCK
1	20:11: 4	36.165	117.411	0.4	7.26	1.8	246	AD	0.6	1.7	MATURANGO
4	18:33:23	37.583	117.396	1.0	10.37	2.0	155	BC	0.2	1.5	MONTEZUMA PEAK SW
4	18:33:37	37.577	117.453	1.8	6.94	2.6	170	BC	0.6	1.6	MONTEZUMA PEAK SW
4	18:40:13	37.575	117.425	0.2	0.42	0.3	126	AC	1.9	1.9	MONTEZUMA PEAK SW
4	18:44: 4	37.574	117.426	0.5	4.20	3.8	126	BC	1.9	1.8	MONTEZUMA PEAK SW
4	18:49:15	37.563	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	9.34	1.2	122	AB	0.6	1.3	MONTEZUMA PEAK SW
4	18:53:54	37.580	117.413	0.3	6.91	1.1	145	AC	0.6	1.4	MONTEZUMA PEAK SW
4	18:55:47	37.575	117.423	0.6	6.02	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	1.8	1.7	MONTEZUMA PEAK SW
4	19:15:35	37.577	117.435	0.8	3.92	8.5	172	CC	---	1.1	MONTEZUMA PEAK SW
4	19:16:29	37.573	117.427	0.3	2.93	2.5	126	BC	1.5	1.6	MONTEZUMA PEAK SW
4	19:30: 6	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	6.20	3.7	129	BC	0.6	1.5	MONTEZUMA PEAK SW
4	19:49: 9	37.574	117.439	0.5	5.25	1.8	133	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	0.9	128	AC	1.7	1.6	MONTEZUMA PEAK SW
4	20: 0:47	37.574	117.425	0.7	3.87	7.4	139	CC	---	1.6	MONTEZUMA PEAK SW
4	20: 1:27	37.573	117.431	0.2	1.64	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	125	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	6.75	0.7	131	AC	0.6	1.5	MONTEZUMA PEAK SW
4	20:36:35	37.574	117.422	0.4	0.94	0.5	141	AC	2.0	2.3	MONTEZUMA PEAK SW
4	20:46:51	37.578	117.419	0.2	6.32	0.8	125	AC	1.6	1.6	MONTEZUMA PEAK SW
4	20:54:33	37.575	117.423	0.5	6.22	1.6	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	20:56:51	37.589	117.400	1.2	11.98	2.6	152	BC	1.6	1.7	MONTEZUMA PEAK SW
4	21: 5:44	37.580	117.413	0.4	6.65	1.4	145	AC	0.5	1.2	MONTEZUMA PEAK SW
5	19:46:14	37.608	114.657	0.8	1.94	0.8	287	AD	0.6	1.5	CHOKECHERRY MTN
6	18:30: 5	37.178	116.092	0.8	-0.25*	---	105	CB	1.8	---	OAK SPRING
7	6:42:50	36.998	116.194	0.3	5.72	2.3	62	BC	1.8	1.7	MINE MTN
7	9:53:25	37.396	114.845	0.7	4.19	4.9	208	BD	0.5	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	117.245	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	36.800	116.120	0.1	2.90	0.4	101	AB	1.7	0.8	CANE SPRING
9	20:34:21	37.252	114.919	0.5	1.78	1.1	227	AD	0.6	1.3	DELAMAR LAKE
10	2:15:58	37.563	117.766	0.6	8.48	1.8	206	AD	0.6	1.4	PIPER PEAK
11	2:37: 2	36.725	116.273	0.3	3.55	0.3	121	AB	0.3	0.6	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	114.659	0.3	-0.56	0.1	288	AD	0.6	1.4	CHOKECHERRY MTN
12	2:47: 9	37.854	116.133	0.2	0.20	0.3	106	AC	0.7	1.6	REVEILLE PEAK
14	3: 0:18	36.870	115.976	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	0.6	106	AC	0.7	1.5	REVEILLE PEAK
14	19: 4:43	36.868	115.973	0.2	2.66	0.7	124	AC	1.6	1.3	FRENCHMAN FLAT
15	3:58:12	37.853	116.133	0.2	0.73	0.2	106	AC	0.7	1.7	REVEILLE PEAK
17	5:20:16	37.852	116.134	0.3	3.98*	---	105	CC	0.7	1.7	REVEILLE PEAK
17	15:49:33	37.852	116.130	0.1	0.91	0.2	106	AC	---	1.4	REVEILLE PEAK
17	19:36:59	36.726	116.150	0.2	1.85	0.6	119	AC	1.3	1.2	SPECTER RANGE NW
17	20: 8:46	36.736	116.146	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	1.5	1.2	SPECTER RANGE NW
17	22:47:41	36.117	116.672	0.2	6.29	0.6	138	AC	0.6	1.8	FUNERAL PEAK

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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: 6:38	36.118	116.672	0.2	7.32	0.4	138	AC	0.5	1.6	FUNERAL PEAK
17	23:15:59	36.739	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	126	AC	1.4	0.9	SPECTER RANGE NW
17	23:36:42	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	---	1.8	FUNERAL PEAK
18	0:48:32	36.735	116.146	0.2	1.74	0.8	125	AC	1.2	1.1	SPECTER RANGE NW
18	1:34: 0	36.737	116.145	0.1	4.09	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	0.5	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	36.735	116.146	0.2	2.04	0.5	125	AC	1.4	1.2	SPECTER RANGE NW
18	9: 6:39	36.740	116.144	0.2	0.90	0.3	127	AC	1.2	1.0	SPECTER RANGE NW
18	12:33:22	36.675	116.109	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	0.95	0.2	125	AC	1.4	1.3	SPECTER RANGE NW
18	20: 3:39	36.740	116.145	0.5	4.85	2.4	152	BC	---	0.9	SPECTER RANGE NW
19	2: 1: 9	36.738	116.144	0.1	1.74	0.4	79	AC	2.0	1.8	SPECTER RANGE NW
19	2:44: 1	36.518	117.808	0.7	9.76	1.1	229	AD	2.1	2.2	NEW YORK BUTTE
19	3:38:36	37.858	116.174	0.3	7.67	0.9	225	AD	2.1	1.7	REVEILLE PEAK
19	7:56:24	36.733	116.145	0.2	2.05	0.5	107	AC	0.3	0.7	SPECTER RANGE NW
19	10:29: 3	36.875	115.966	0.1	0.48	0.2	126	AB	1.5	1.0	PLUTONIUM VALLEY
19	11: 8:51	36.876	115.969	0.2	2.78	0.8	126	AB	1.6	1.0	PLUTONIUM VALLEY
19	14:58:49	37.127	117.007	0.3	7.75	1.5	110	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	0.36	0.3	134	AB	0.7	1.3	SCOTTYS JUNCTION SW
20	9:28:51	36.234	116.823	0.3	9.51	0.8	113	AB	---	1.4	BENNETTS WELL
20	11:19:44	37.263	115.251	0.6	9.70	1.4	128	AB	0.6	1.2	BADGER SPRING
20	16: 9:55	36.869	115.976	0.1	0.89	0.2	78	AB	1.9	1.5	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	6:11:13	36.875	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	98	BC	1.7	---	SILENT BUTTE
23	16:57:28	36.727	116.077	0.3	4.71	1.1	149	AC	1.8	1.1	CAMP DESERT ROCK
23	16:59:39	37.926	116.090	0.4	9.60	2.2	124	BC	0.6	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	37.056	116.021	0.2	5.05	0.8	157	AC	0.4	0.9	YUCCA FLAT
25	21:56:30	37.342	117.247	0.2	8.48	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	BB	1.4	1.1	THIRSTY CANYON NE
27	9:10:36	37.216	116.571	0.6	10.03	1.4	128	BB	1.3	1.1	THIRSTY CANYON NE
27	10:18:14	37.208	116.571	0.4	7.55	0.9	113	BB	1.4	1.1	THIRSTY CANYON NE
27	12:48:25	37.203	116.567	0.6	10.02	1.4	121	BB	---	1.2	THIRSTY CANYON NE
27	14:23:33	37.542	117.569	0.3	1.71	1.1	156	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	117.926	0.6	6.90	3.2	228	BD	2.1	2.0	WAUCOBA SPRING
29	4:31:46	37.205	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	5:43: 2	37.196	116.589	0.4	5.85	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	11: 0:20	37.195	116.589	0.2	5.94	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
2	5:49: 3	36.696	116.064	0.3	10.02	0.7	140	AC	---	0.6	CAMP DESERT ROCK
2	5:59:30	37.196	116.590	0.2	5.74	1.0	109	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
3	6:54:41	37.293	116.486	0.5	13.59	0.7	213	AD	---	1.5	SILENT BUTTE
6	3: 9:21	36.826	116.308	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	20:49:17	37.852	116.132	0.2	0.85	0.4	105	AC	---	1.6	REVEILLE PEAK

1986 LOCAL HYPOCENTER SUMMARY

DATE	TIME (UTC)	LATITUDE (DEG. N)	LONGITUDE (DEG. W)	HORIZ ERROR (KM)	DEPTH (KM)	VERT ERROR (KM)	AZI GAP (DEG)	QUAL	Md	Mblg	QUADRANGLE
MAY 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	4.29	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	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	9.5	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	1.9	SILENT BUTTE
10	9:30:46	36.837	115.876	0.3	7.09	1.4	150	AC	1.8	1.3	FRENCHMAN FLAT
10	13:14:39	37.267	116.430	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
14	1:36:57	37.249	116.308	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	11: 0:30	37.289	116.415	0.1	0.61	0.3	93	AC	---	1.0	SILENT BUTTE
14	13:24: 5	36.537	117.868	0.8	2.41	2.6	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
15	16: 6:21	37.853	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	5:28:15	37.862	116.127	0.5	4.63	8.9	108	CC	2.0	1.6	REVEILLE PEAK
16	18:36:35	37.163	117.359	0.1	6.47	0.5	112	AC	---	1.3	UBEHEBE CRATER
16	21: 0: 6	36.820	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
17	2: 6:46	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	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
19	17:33:37	37.854	116.135	0.1	1.61	0.5	106	AC	2.1	1.6	REVEILLE PEAK
20	18:52:31	37.527	116.396	0.7	14.43	1.7	149	AC	---	1.7	QUARTZITE MTN
21	13:19: 1	36.754	116.145	0.1	0.16	0.3	132	AC	1.2	0.9	SKULL MTN
21	14:55:24	36.779	117.757	0.8	2.70	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	19:54:31	36.428	117.866	1.8	11.57	8.2	253	CD	---	2.0	KEELER
24	0:59:47	37.542	117.571	0.3	5.54	2.8	90	BC	---	1.4	LIDA WASH
24	10:33:35	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
25	5: 1:29	37.371	117.262	0.8	3.94	2.2	112	BB	1.5	1.4	GOLD POINT
26	18:27:29	37.856	116.132	0.3	4.42	8.1	106	CC	---	1.3	REVEILLE PEAK
27	14:38:52	36.662	116.404	0.2	7.17	0.5	133	AB	1.7	0.9	LATHROP WELLS NW
27	15:42:46	37.859	116.136	0.2	6.06	1.5	107	AC	2.0	1.8	REVEILLE PEAK
27	19:42:19	37.282	114.543	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
28	13:15:16	37.855	116.133	0.3	4.32	5.5	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	23: 1:20	37.360	116.134	0.2	6.66	0.6	55	AC	2.0	1.8	QUARTET DOME
28	23: 3:24	36.836	115.823	0.4	10.90	0.8	259	AD	---	0.8	FRENCHMAN LAKE SE
29	1:35: 5	37.797	115.573	0.4	6.38	2.8	159	BC	1.3	1.5	WORTHINGTON MTNS
29	3:32:56	37.858	116.133	0.2	0.79	0.3	107	AC	1.8	1.8	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: 6:52	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
31	0:26:55	37.165	117.402	0.2	7.19	1.0	109	AC	---	1.4	UBEHEBE CRATER
31	14:45:49	36.714	115.496	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	15:57:18	36.584	115.782	0.3	1.66	0.5	205	AD	---	1.3	MERCURY SE
31	19:51:37	37.857	116.130	0.3	0.51	0.5	107	AC	---	1.4	REVEILLE PEAK
JUN 1	9: 3:34	37.863	116.130	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	115.093	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: 9	37.349	117.235	0.3	-0.25	0.3	116	AB	---	0.9	SCOTTYS JUNCTION SW
3	10: 6:17	37.012	116.291	0.2	4.69	0.5	84	AB	---	0.7	BUCKBOARD MESA
3	10:30:57	36.873	116.156	0.3	0.48	0.2	119	AB	---	1.0	SKULL MTN
3	21: 2:19	37.244	117.615	0.3	10.82	0.5	90	AB	---	1.5	LAST CHANCE RANGE
4	0:42:42	37.858	116.135	0.3	0.47	0.4	106	AC	---	1.4	REVEILLE PEAK
4	3: 1:58	36.921	117.633	0.3	4.98	2.2	195	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

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JUN 4	5:34:12	37.346	117.244	0.4	-0.36	0.3	161	AC	---	0.9	SCOTTYS JUNCTION SW
4	12:50: 8	37.863	116.131	0.5	0.54	0.8	108	AC	---	1.5	REVEILLE PEAK
4	15: 7:39	37.345	117.236	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	5.62	1.8	224	AD	---	1.2	GREGERSON BASIN
5	14: 5: 8	37.323	115.213	0.6	7.42	2.1	115	BC	---	1.2	ALAMO
5	15: 3:60	37.094	116.009	0.2	-0.56	5.3	88	CC	---	0.2	YUCCA FLAT
5	17:49:25	37.348	117.230	0.4	-0.52	0.3	116	AB	---	1.4	SCOTTYS JUNCTION SW
6	1:27:31	37.332	117.253	1.3	3.97	1.6	111	BB	---	1.3	GOLD POINT
6	16:56:14	37.132	116.582	0.5	11.77	1.0	138	AC	---	1.0	THIRSTY CANYON NE
6	19:40:54	37.857	116.129	0.4	0.35	0.7	107	AC	---	1.8	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	37.345	117.235	0.2	0.24	0.2	134	AB	---	1.0	SCOTTYS JUNCTION SW
7	18:19:40	37.341	117.237	0.7	0.50	2.5	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	37.853	116.138	0.5	7.79	3.9	105	BC	---	1.7	REVEILLE PEAK
9	6:14: 4	37.345	117.236	0.4	-0.98	0.5	61	AB	1.6	---	SCOTTYS JUNCTION SW
10	2:35:27	37.202	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	56	AA	2.0	2.1	SCOTTYS JUNCTION SW
10	8:39:42	37.862	116.131	0.4	4.80	7.8	107	CC	1.7	2.0	REVEILLE PEAK
10	12:59:44	37.094	116.255	0.2	6.60	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	117.238	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	-0.09	0.2	63	AB	1.6	1.5	SCOTTYS JUNCTION SW
11	3:15:38	37.854	116.133	0.3	0.66	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	-0.62	0.2	116	AB	---	1.2	SCOTTYS JUNCTION SW
11	18:48:33	37.861	116.130	0.4	4.76	7.6	107	CC	1.9	2.1	REVEILLE PEAK
11	21:56:10	36.735	116.145	0.6	6.62	2.2	125	BB	---	0.9	SPECTER RANGE NW
12	4:18:34	37.346	117.239	0.2	0.12	0.2	115	AB	---	1.0	SCOTTYS JUNCTION SW
12	5:53:24	36.600	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	106	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	-0.67	0.8	106	AC	---	1.4	REVEILLE PEAK
13	7:23: 6	37.301	117.645	0.3	-0.94	0.3	119	AB	---	1.4	MAGRUDER MTN
13	8:30:30	37.236	117.453	0.4	11.88	1.0	110	AB	---	1.1	UBEHEBE CRATER
13	14:55:38	37.862	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	37.863	116.125	0.4	4.12*	---	108	CC	1.8	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	37.856	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	116.153	0.3	0.25	0.1	196	AD	1.4	1.1	MINE MTN
15	2:31:46	37.859	116.133	0.1	0.68	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: 0	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	37.852	116.136	0.3	4.07	7.2	105	CC	---	1.4	REVEILLE PEAK
17	18:33:15	37.867	116.125	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	36.354	117.475	0.7	5.81	5.1	239	CD	2.2	2.1	PANAMINT BUTTE
18	14:39:55	36.354	117.468	0.9	4.34*	---	237	CD	---	1.4	PANAMINT BUTTE

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DATE	TIME (UTC)	LATITUDE (DEG. N)	LONGITUDE (DEG. W)	HORIZ ERROR (KM)	DEPTH (KM)	VERT ERROR (KM)	AZI GAP (DEG)	QUAL	Md	Mblg	QUADRANGLE
JUN 18	18:33:60	37.868	116.128	1.5	0.56	3.0	109	BC	---	1.5	REVEILLE PEAK
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	117.390	0.3	9.53	0.9	123	AB	---	1.3	UBEHEBE CRATER
18	21: 0:60	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	268	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	0.5	11.49	1.5	135	AC	---	1.1	UBEHEBE CRATER
18	22: 2: 5	37.154	117.393	0.4	9.91	1.2	126	AB	---	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	117.386	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	6:23:35	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	---	1.8	REVEILLE PEAK
20	23:20:55	37.353	117.237	0.3	-0.44	0.3	94	AB	---	1.6	SCOTTYS JUNCTION SW
21	3:11:38	36.157	115.910	0.5	4.76	5.5	204	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	0.36	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	36.609	115.786	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	---	1.0	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: 0:10	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	6.16	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	2.6	188	BD	1.6	1.5	DELAMAR LAKE
25	21:25:22	37.236	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	0.5	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	115.905	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	16:20:54	37.871	116.127	0.3	-0.57	0.5	109	AC	2.0	2.2	REVEILLE PEAK
27	19:12:41	37.296	116.283	0.3	6.51	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	37.730	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	117.236	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	2.6	151	BC	---	1.5	TIM SPRING
28	14:52:56	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	16:50:49	37.861	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	70	AB	2.0	1.7	SCOTTYS JUNCTION SW
30	14: 4:58	37.864	116.132	0.4	-0.35	0.6	108	AC	---	1.2	REVEILLE PEAK
30	16: 2:36	37.861	116.132	0.1	-0.88	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	37.868	116.129	0.3	0.29	0.5	109	AC	2.0	2.1	REVEILLE PEAK
JUL 1	2:30:49	37.567	116.241	0.2	4.85	1.5	76	AC	1.3	1.3	BELTED PEAK
1	10: 3: 5	37.773	115.072	0.2	5.51	0.8	121	AC	1.8	1.3	WHITE RIVER NARROWS
1	14:25:44	37.864	116.129	0.4	0.61	0.6	108	AC	2.0	2.0	REVEILLE PEAK
1	16:49:49	36.790	116.230	0.6	12.48	0.7	176	AC	---	0.8	SKULL MTN
1	18:38: 2	37.352	117.243	0.4	-0.64	0.3	115	AB	---	1.3	SCOTTYS JUNCTION SW
2	0:47:41	37.176	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	0.8	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

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JUL 2 6:39:41	37.177	117.400	0.2	5.41	1.2	116	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	116.407	0.2	5.03	1.0	39	AB	2.5	3.0	LATHROP WELLS SW
2 9:25:40	36.598	116.407	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	1.8	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	36.755	115.532	0.3	0.82	0.5	152	AC	---	1.3	TIM SPRING
3 4: 5:36	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	36.601	116.274	0.4	2.15	0.5	234	AD	---	0.6	LATHROP WELLS SE
3 9:44:58	36.750	115.531	0.5	2.42	3.7	153	BC	---	1.6	TIM SPRING
3 23:11:57	36.747	115.549	0.6	0.62	0.5	262	AD	---	1.4	HEAVENS WELL
3 23:14:32	36.762	115.541	0.3	0.35	0.6	95	BC	1.9	1.8	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	37.081	116.136	0.3	0.97	0.4	108	AC	---	1.0	TIPPIPAH SPRING
4 16: 9: 9	36.891	116.112	0.4	4.37	1.1	79	BB	1.9	1.8	YUCCA LAKE
4 18:27:18	36.343	116.869	0.3	9.02	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	4.5	158	BC	1.1	---	HEAVENS WELL
5 14: 4:16	37.339	117.243	0.3	2.50••	0.5	53	AA	2.6	2.5	SCOTTYS JUNCTION SW
5 18:30:60	37.109	117.227	0.9	1.38	2.4	80	CC	1.4	---	BONNIE CLAIRE SW
5 19:40:28	37.384	114.677	1.7	7.62	1.6	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	6.9	113	CC	1.6	---	HEAVENS WELL
7 9:27:53	36.735	115.557	1.1	6.83	9.7	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	36.893	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	182	AD	1.8	2.1	DELAMAR LAKE
8 23:28:20	36.600	116.395	0.3	5.78	0.7	152	AC	---	1.0	LATHROP WELLS SW
9 1:45:32	37.355	114.958	0.8	4.17	2.1	189	BD	---	1.1	DELAMAR LAKE
9 10:50: 4	37.305	115.765	0.3	2.84	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	37.256	116.309	0.2	-1.09	0.2	61	AA	1.8	1.7	DEAD HORSE FLAT
9 17: 6:28	36.559	115.766	0.4	0.80	0.5	163	AC	1.7	1.7	MERCURY SE
9 18:21: 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 9:17:38	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	108	CC	1.6	2.0	REVEILLE PEAK
11 8:19:27	37.099	116.025	0.9	-0.19	1.8	147	AC	---	1.4	YUCCA FLAT
11 12:41:37	37.854	116.134	0.1	2.18	0.8	106	AC	---	1.4	REVEILLE PEAK
12 2:49:29	36.746	115.523	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 7:46:56	37.142	116.296	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	1.9	1.9	SCOTTYS JUNCTION SW
12 15:11:20	37.857	116.134	0.2	0.64	0.4	106	AC	---	1.2	REVEILLE PEAK
13 17:30:29	36.778	115.980	0.6	4.49	2.0	236	AD	---	1.1	FRENCHMAN FLAT
14 7:34:21	36.748	115.526	1.0	0.98	0.8	255	BD	1.9	1.5	HEAVENS WELL
14 15:19: 1	37.122	117.360	0.4	6.72	1.6	123	BC	---	1.2	UBEHEBE CRATER
15 0:30:22	37.208	117.453	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	8.03	0.9	110	AC	---	1.5	REVEILLE PEAK
16 23:53: 6	37.207	114.775	0.7	12.71	1.8	212	AD	---	1.5	DELAMAR 3 NE
17 17:56:29	37.307	117.333	0.3	6.39	0.5	131	AB	---	1.2	GOLD POINT
18 3:32:23	37.087	116.190	0.1	3.96	1.2	95	AB	1.6	1.6	TIPPIPAH SPRING
18 11:29:23	37.285	116.348	0.5	-1.03•	---	87	CB	1.5	---	DEAD HORSE FLAT
18 19:12:40	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	54	AB	1.8	1.7	SCOTTYS JUNCTION SW

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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	36.800	115.955	0.8	6.03	3.8	164	BC	---	0.8	FRENCHMAN FLAT
20	12:42:28	36.597	116.406	0.2	5.42	1.0	83	AB	1.2	0.9	LATHROP WELLS SW
22	23:26:56	36.659	116.379	0.4	4.72	0.6	107	AB	1.4	1.0	LATHROP WELLS NW
22	23:38:15	37.506	118.509	15.4	4.16	6.3	295	DD	2.6	---	***REGIONAL***
23	1:56: 4	37.577	118.371	10.3	1.73	6.2	296	DD	2.5	---	***REGIONAL***
23	18:36:46	37.282	116.335	0.2	-1.11	0.3	122	AB	2.2	1.6	DEAD HORSE FLAT
24	6:10: 5	37.463	118.387	2.9	1.34	2.2	285	CD	3.0	---	***REGIONAL***
24	16:32:36	38.301	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	156	AC	---	1.0	CANE SPRING
25	1:22:53	37.876	116.130	0.3	7.72	1.4	110	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	8.1	4.26	2.7	303	DD	3.6	---	***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	1.8	REVEILLE PEAK
28	12:51:25	37.343	117.251	0.3	0.23	0.2	160	AC	---	0.9	GOLD POINT
29	3: 8:58	37.135	116.287	0.2	5.61	0.4	113	AB	1.5	1.3	AMMONIA TANKS
29	9: 8: 3	37.857	116.133	0.5	4.86	6.2	106	CC	---	1.5	REVEILLE PEAK
30	9:13: 1	37.255	116.297	0.7	14.97	2.4	187	BD	---	0.8	DEAD HORSE FLAT
30	10:45:10	37.073	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	0.36	0.4	107	AC	---	1.6	REVEILLE PEAK
AUG 1	0:29:58	37.854	116.131	0.3	3.85*	---	106	CC	0.6	1.3	REVEILLE PEAK
1	8: 1:36	37.867	116.128	0.2	1.33	0.8	108	AC	1.7	2.2	REVEILLE PEAK
1	15:29:12	37.859	116.131	0.3	5.25	5.4	107	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: 5	36.756	115.538	0.2	8.84	2.2	95	BC	2.2	2.2	TIM SPRING
3	2:43:57	36.730	115.543	0.5	9.10	2.5	190	BD	1.7	1.3	HEAVENS WELL
3	3: 3:50	37.499	116.554	0.4	6.26	3.3	118	BC	0.5	1.1	BLACK MTN NE
3	4: 4:17	37.217	115.029	3.0	15.51	3.3	218	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	36.704	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	1.8	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	23:56:56	37.866	116.127	0.5	2.15	3.8	108	BC	1.9	1.6	REVEILLE PEAK
6	1:46:29	36.701	116.301	0.2	5.65	0.3	81	AA	1.1	0.8	STRIPED HILLS
6	2:23:28	37.307	115.101	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	107	AC	1.6	1.5	REVEILLE PEAK
6	7: 8:29	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	12:14:55	36.446	116.532	0.2	-0.89	0.2	67	AB	1.6	1.5	RYAN
7	22:11: 2	37.906	116.132	0.8	14.67	2.3	116	BC	---	1.4	REVEILLE PEAK
7	22:40:53	37.316	116.260	1.3	20.36	2.8	235	BD	1.8	1.4	DEAD HORSE FLAT
8	16:17: 2	36.712	116.122	0.2	0.50	0.4	108	AC	1.6	0.6	CAMP DESERT ROCK
8	18: 0:27	36.720	116.122	0.3	6.78	1.3	130	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	37.856	116.175	0.4	4.66	8.5	104	CC	1.7	1.8	REVEILLE PEAK
9	7:46:24	37.852	116.176	0.7	4.84*	---	103	CC	1.9	1.4	REVEILLE PEAK
9	8:48: 1	36.586	116.237	0.3	14.87	1.0	82	AB	1.5	1.2	SPECTER RANGE SW
9	9:45:20	36.702	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	-0.18	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	7.78	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	191	BD	1.7	1.5	HEAVENS WELL
10	10:38: 0	36.744	115.525	0.3	9.02	2.2	154	BC	1.8	1.7	HEAVENS WELL

1986 LOCAL HYPOCENTER SUMMARY

DATE - TIME (UTC)	LATITUDE (DEG. N)	LONGITUDE (DEG. W)	HORIZ ERROR (KM)	DEPTH (KM)	VERT ERROR (KM)	AZI GAP (DEG)	QUAL	Md	Mblg	QUADRANGLE
AUG 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	1.6	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	115.964	0.3	11.83	0.5	71	AA	0.5	1.3	MERCURY
14 1:23: 3	36.640	115.964	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 6:16:26	36.405	115.244	0.6	13.74	0.5	214	AD	0.6	1.7	GASS PEAK NW
14 16:27:11	37.019	114.899	30.0	2.15*	---	291	DD	0.6	1.8	DELAMAR 3 SW
14 18:30:43	36.856	116.169	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 9:31:52	37.352	117.232	0.2	-0.83	0.2	145	AC	---	1.0	SCOTTYS JUNCTION SW
16 1:55:44	36.785	115.960	0.2	0.96	0.2	154	AC	0.3	0.9	FRENCHMAN FLAT
16 1:56:59	36.786	115.949	0.5	5.20	1.4	216	AD	0.3	0.9	FRENCHMAN FLAT
16 13:48:28	36.908	116.006	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 0:47:12	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	160	AC	---	1.1	EMIGRANT CANYON
18 17:10:21	37.270	117.527	0.4	10.25	0.8	99	AB	0.4	1.2	MAGRUDER MTN
18 17:11:26	37.270	117.536	0.3	12.75	0.5	98	AB	0.3	1.1	MAGRUDER MTN
18 17:17:34	37.262	117.529	0.2	10.15	0.6	92	AB	0.5	1.4	MAGRUDER MTN
18 17:20:39	37.263	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	10.86	0.8	93	AB	0.4	0.9	MAGRUDER MTN
18 17:25:38	37.270	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	0.6	0.26*	---	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	198	AD	---	1.7	DEAD HORSE FLAT
21 6:31:43	37.345	117.246	0.4	0.04	0.3	114	AB	1.6	1.6	SCOTTYS JUNCTION SW
21 20:34:19	36.910	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 3:20:33	37.217	117.123	1.9	12.78	6.6	163	CD	0.7	1.2	BONNIE CLAIRE
22 3:25:41	37.874	116.120	0.5	-0.24	0.8	110	AC	1.6	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	37.679	115.042	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	6.5	107	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	109	AC	0.8	1.9	REVEILLE PEAK
24 23: 2:33	37.863	116.125	0.5	0.77	0.7	108	AC	1.6	1.9	REVEILLE PEAK
24 23: 3:43	37.866	116.124	0.5	0.86	0.8	109	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
26 17:28:14	37.869	116.124	0.4	5.74	3.7	109	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	0.6	1.1	GOLD POINT
28 16:59:53	36.633	116.268	0.2	4.90	1.0	70	AB	1.2	0.8	STRIPED HILLS
29 9:58:47	37.864	116.127	0.5	0.54	0.6	108	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: 8:40	36.654	116.273	0.2	6.78	0.4	113	AB	1.3	1.1	STRIPED HILLS
30 1:43:54	37.871	116.130	0.5	-0.48	0.9	109	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	117.797	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	115.310	0.3	2.18	1.0	97	AC	---	0.9	MT IRISH
1 2:18: 7	37.862	116.130	0.8	4.91*	---	108	CC	---	1.4	REVEILLE PEAK
1 12:36:10	37.076	116.130	0.2	3.80	1.5	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
2 9:57:22	37.861	116.128	0.5	0.65	0.8	107	AC	---	1.9	REVEILLE PEAK

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DATE	TIME (UTC)	LATITUDE (DEG. N)	LONGITUDE (DEG. W)	HORIZ ERROR (KM)	DEPTH (KM)	VERT ERROR (KM)	AZI GAP (DEG)	QUAL	Md	Mblg	QUADRANGLE
SEP 2	14: 8: 6	36.691	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	107	AC	---	1.1	REVEILLE PEAK
3	6:46:53	37.332	117.255	0.2	2.64	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	36.584	115.720	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	11:50: 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	12:25:38	37.341	117.254	0.1	0.74	0.1	58	AA	1.9	1.7	GOLD POINT
5	18:23:26	37.864	116.130	0.4	0.06	0.6	108	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	-0.76	0.4	104	AB	---	1.4	SCOTTYS JUNCTION SW
6	2:22: 2	37.331	117.258	1.0	1.86	1.3	117	AB	---	0.8	GOLD POINT
6	2:22:30	37.314	117.233	1.0	4.94	1.0	179	AC	---	1.3	SCOTTYS JUNCTION SW
6	6:48:59	37.590	116.367	0.4	8.08	1.6	91	AC	---	0.9	QUARTZITE MTN
6	12:58:20	37.851	116.134	0.4	5.85	3.3	105	BC	---	1.3	REVEILLE PEAK
6	20:50: 3	37.341	117.246	0.5	0.10	0.5	70	AA	---	1.4	SCOTTYS JUNCTION SW
8	17: 9:50	37.225	117.679	0.4	11.72	0.6	165	AC	---	1.4	LAST CHANCE RANGE
10	14:42:45	36.608	116.206	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*	---	106	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	107	AC	1.5	1.5	REVEILLE PEAK
11	14:36:40	37.850	116.135	0.2	0.97	0.2	105	AC	---	1.1	REVEILLE PEAK
12	14:59:12	35.961	116.954	1.0	1.63	1.7	260	AD	---	1.4	WINGATE WASH
13	11:29:39	37.295	114.871	0.5	5.97	1.5	225	AD	1.3	1.3	GREGERSON BASIN
14	12:54:20	37.871	116.128	0.2	7.88	2.6	109	BC	2.2	2.2	REVEILLE PEAK
14	13:31:57	37.856	116.137	0.1	4.89	2.2	106	BC	1.8	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	3.00	1.3	107	AC	1.7	1.5	REVEILLE PEAK
15	7:12:31	37.853	116.136	0.2	0.88	0.3	106	AC	---	1.1	REVEILLE PEAK
15	9:10:32	37.852	116.132	0.2	-0.41	0.3	105	AC	---	1.5	REVEILLE PEAK
16	10:49:54	37.858	116.133	0.2	4.81	2.6	107	BC	---	1.2	REVEILLE PEAK
17	20:55:50	37.344	117.245	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	116.136	0.2	6.25	2.2	107	BC	---	1.4	REVEILLE PEAK
18	16:25:27	37.856	116.133	0.3	5.52	4.1	106	BC	1.4	1.5	REVEILLE PEAK
20	4:23:11	37.867	116.133	0.2	0.55	0.2	108	AC	2.0	2.1	REVEILLE PEAK
21	0:20:14	37.342	117.245	0.3	-0.04	0.3	70	AA	1.6	1.3	SCOTTYS JUNCTION SW
21	6: 8:36	37.857	116.127	0.4	8.38	2.4	107	BC	---	1.1	REVEILLE PEAK
21	8:40:49	37.858	116.138	0.2	5.41	2.4	106	BC	1.7	1.5	REVEILLE PEAK
21	23:20:16	37.852	116.135	0.3	5.25	4.2	105	BC	1.0	1.3	REVEILLE PEAK
22	0:40:25	37.226	115.111	0.4	4.95	1.5	188	AD	1.8	1.8	LOWER PAHRANAGAT LAKE
22	19: 1:35	36.550	116.178	0.3	8.14	1.2	155	AC	---	0.5	SPECTER RANGE SW
22	22:36: 8	37.334	117.237	0.2	0.92	0.3	103	AB	1.5	1.1	SCOTTYS JUNCTION SW
22	23:38:40	37.345	117.254	0.3	0.42	0.3	113	AB	---	0.8	GOLD POINT
23	0:26:11	37.030	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	4:49: 4	37.338	117.257	0.3	0.85	0.2	111	AB	1.6	1.3	GOLD POINT
23	6:30:31	37.860	116.132	0.2	4.66	4.2	107	BC	1.7	1.4	REVEILLE PEAK
23	11:39:59	37.876	116.148	0.4	5.12	4.1	109	BC	---	1.2	REVEILLE PEAK
23	22:22:25	36.746	116.689	0.3	2.12	0.9	141	AC	1.4	0.6	BIG DUNE
24	2:12:40	36.533	116.377	0.1	4.70	1.1	97	AC	1.0	1.0	LATHROP WELLS SW
24	2:41:40	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	0.20	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	117.253	0.5	-0.48	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	117.251	0.4	2.87	0.9	70	AA	---	---	GOLD POINT
24	14:51:11	37.337	117.250	0.6	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	9.68	2.2	113	BC	---	1.1	GOLD POINT
24	15:15:53	37.352	117.246	0.4	0.05	0.3	115	AB	---	1.2	SCOTTYS JUNCTION SW

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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	1.81	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	1.9	1.8	SCOTTYS JUNCTION SW
24	20:40:14	37.348	117.255	0.2	0.99	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	1.8	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	16:55:31	37.838	116.105	0.2	-0.24	0.2	166	AC	---	1.4	REVEILLE PEAK
26	0:19:49	37.336	117.252	0.3	1.50	0.6	69	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: 6:18	37.349	117.252	0.3	0.02	0.3	113	AB	1.5	1.6	GOLD POINT
26	5:47: 2	37.351	117.246	0.3	0.07	0.3	115	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	111	AB	1.3	1.0	GOLD POINT
26	23:36: 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	0.30	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	37.335	117.261	0.4	0.37	0.3	110	AB	---	1.0	GOLD POINT
27	16:28:42	37.140	117.411	0.3	0.76	0.4	117	AC	1.8	1.9	UBEHEBE CRATER
27	17:47:40	37.144	117.399	0.4	-0.13	0.6	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	37.165	117.424	0.5	8.42	1.6	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	36.633	116.340	0.2	0.52	0.3	60	AC	1.5	1.0	STRIPED HILLS
28	23:34:12	36.632	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	6:51:60	36.833	115.990	0.4	2.00	0.9	200	AD	---	0.6	FRENCHMAN FLAT
29	13:59:42	37.868	116.134	0.2	6.52	3.7	108	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	37.669	115.025	0.2	6.21	0.8	112	AB	1.7	1.4	HIKO 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	0.63	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	108	AB	1.3	0.6	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	36.860	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	106	AC	1.8	1.8	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	37.297	116.510	0.7	11.64	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	8.87	0.3	74	AA	1.6	1.1	LATHROP WELLS NW
3	16:33:57	37.340	117.255	0.3	0.27	0.2	112	AB	0.5	1.1	GOLD POINT
4	2: 6:34	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	6.43	0.5	130	AB	0.4	0.7	SPECTER RANGE NW
6	10: 5:46	37.340	117.258	0.4	0.60	0.3	158	AC	0.5	0.7	GOLD POINT
7	18: 0:43	36.755	116.008	0.9	7.44	1.4	211	AD	0.3	0.7	CANE SPRING
8	12:20:58	37.844	115.055	0.5	1.66	1.1	149	AC	0.6	1.4	WHITE RIVER NARROWS
9	1:39: 5	37.856	116.129	0.2	-0.06	0.3	106	AC	1.6	1.6	REVEILLE PEAK
9	2: 7: 8	36.408	117.142	0.4	4.23	1.0	178	AC	0.6	1.4	EMIGRANT CANYON
9	7:45:28	37.864	116.126	0.3	2.12	1.4	154	AC	0.7	1.4	REVEILLE PEAK
10	5:35:53	37.856	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	37.014	116.132	0.6	4.60	1.5	216	AD	1.3	0.8	TIPPIPAH SPRING

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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	37.043	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	36.695	116.296	0.3	7.92	0.3	86	AA	0.3	0.5	STRIPED HILLS
13	7: 6:41	37.604	116.466	0.3	6.16	1.8	87	AC	0.5	1.1	QUARTZITE MTN
13	9: 3:27	37.864	116.126	0.3	0.38	0.5	108	AC	0.7	1.4	REVEILLE PEAK
13	14:23:33	37.230	117.348	0.2	8.37	0.6	92	AB	0.6	1.3	UBEHEBE CRATER
13	19:17: 8	36.856	116.076	0.2	6.77	0.6	114	AB	1.5	1.1	CANE SPRING
13	20:37:30	36.857	116.078	0.3	8.46	0.6	188	AD	0.4	0.8	CANE SPRING
14	1:33:36	36.851	116.264	0.3	2.80	0.7	96	AB	0.2	0.2	JACKASS FLATS
14	3:56:42	37.852	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	6.07	1.1	111	AC	1.9	1.2	FRENCHMAN FLAT
14	13: 3:13	37.178	117.437	0.2	8.65	0.7	132	AC	0.5	1.0	UBEHEBE CRATER
14	22:20: 1	36.803	116.637	1.0	2.45	0.9	157	AC	0.6	0.5	BARE MTN
15	4:28:56	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	18:20:54	37.319	115.358	0.5	1.26	1.8	105	AC	0.5	1.2	BADGER SPRING
16	16:48:12	37.682	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**	5.2	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	0.64	0.5	106	AC	0.7	1.4	REVEILLE PEAK
17	23: 7:57	37.013	115.133	0.3	9.16	1.1	172	AC	2.1	1.7	LOWER PAHRANAGAT LAKE SW
18	20:32:55	37.856	116.139	0.2	2.30	1.0	106	AC	0.8	1.6	REVEILLE PEAK
19	11:44:23	37.553	115.810	0.1	0.10	0.2	89	AC	0.6	1.4	WHITE BLOTCH SPRINGS
20	0:39:33	37.866	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	100	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	19:50:36	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	37.860	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	9:56: 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: 6	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	2.4	2.3	DEAD HORSE FLAT
26	17:10:39	37.859	116.141	0.3	6.93	2.0	106	AC	0.7	1.3	REVEILLE PEAK
26	19:54:39	37.859	116.132	0.1	0.43	0.2	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	116.130	0.2	0.33	0.3	108	AC	0.8	1.6	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	37.340	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	1.66	0.9	105	AC	0.7	1.5	REVEILLE PEAK
30	23:45:11	37.154	117.359	0.3	6.12	2.0	116	AC	0.5	1.2	UBEHEBE CRATER
31	13:10:20	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	13:28: 3	37.327	114.872	0.4	5.51	1.4	217	AD	1.6	1.4	GREGERSON BASIN
3	12:15:45	37.409	117.688	0.1	0.85	0.2	106	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	66	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	37.664	115.068	0.3	0.63	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: 6: 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	119	AC	1.5	1.4	UBEHEBE CRATER
10	16:29:30	37.162	117.384	0.4	2.81	2.7	121	BC	0.5	1.1	UBEHEBE CRATER
11	3:49:60	37.854	116.134	0.2	1.79	0.9	106	AC	1.8	1.7	REVEILLE PEAK
11	20: 7: 6	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	1:40:28	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	1.92	1.0	105	AC	1.9	1.7	REVEILLE PEAK

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NOV 12	11:19:44	36.813	116.672	0.6	0.20	0.2	304	AD	0.5	0.5	BARE MTN
13	3:35:34	37.852	116.137	0.3	4.02	9.3	105	CC	1.9	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	108	BC	0.5	0.8	BONNIE CLAIRE SE
15	12:37: 7	37.352	117.254	0.3	-0.28	0.2	71	AB	1.9	1.6	GOLD POINT
15	17:46:12	36.649	115.724	0.5	5.04	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	60	BA	0.5	1.0	SCRUGHAM PEAK
17	18:51:30	37.199	116.386	0.2	6.18	0.3	64	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	1.6	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	114.942	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	36.876	116.184	0.5	7.34	0.7	178	AC	0.2	0.3	MINE MTN
21	16:28:38	37.342	117.253	0.4	0.13	0.3	112	AB	0.5	1.1	GOLD POINT
22	0:20:21	36.912	116.183	0.6	9.53	0.4	251	AD	0.3	0.7	MINE MTN
22	4:14:37	37.240	117.108	0.4	13.74	1.3	75	BC	0.5	1.2	BONNIE CLAIRE
22	15:38:30	36.583	116.259	0.2	6.79	1.1	67	AB	1.5	1.1	LATHROP WELLS SE
22	23: 7:55	37.938	115.247	0.6	6.40	3.4	202	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	4.90	3.6	167	BC	2.0	1.9	LAST CHANCE RANGE
25	12:23:20	37.144	116.296	0.2	8.31	1.0	81	AA	1.6	1.6	AMMONIA TANKS
26	0:21:32	36.916	116.783	0.2	5.06	1.7	72	AC	1.6	1.4	BULLFROG
26	21:27:43	37.221	116.975	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	103	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	0.6	FRENCHMAN FLAT
28	20:57:37	36.735	116.144	0.2	7.70	0.7	126	AB	0.2	0.4	SPECTER RANGE NW
29	0:48:17	36.963	116.144	0.6	5.14	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	14:50:34	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	8.2	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	0.5	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	0.5	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	1.8	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	9.31	1.0	124	AC	1.7	1.2	TOLICHA PEAK
4	21:37:28	37.335	116.965	0.3	9.02	1.5	125	AC	0.6	1.3	TOLICHA PEAK
5	11:24:49	36.653	116.016	0.3	13.30	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	36.860	116.008	0.2	11.46	0.5	171	AC	0.4	0.8	CANE SPRING
6	9:20: 1	36.462	116.165	0.2	9.87	0.4	65	AA	2.4	2.7	AMARGOSA FLAT
6	9:28:13	36.459	116.160	0.2	10.87	0.3	69	AA	1.8	1.8	AMARGOSA FLAT
6	9:32:55	36.461	116.156	0.2	10.71	0.3	69	AA	2.0	1.8	AMARGOSA FLAT
6	9:36:26	36.462	116.161	0.2	10.61	0.3	68	AA	1.8	1.4	AMARGOSA FLAT
6	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	1.6	105	AC	0.6	1.4	DESERT HILLS NW
10	5:42:49	36.657	116.372	0.4	5.63	0.5	212	AD	0.2	0.4	STRIPED HILLS
10	9: 8:21	37.862	116.127	0.3	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	2.6	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	0.5	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	15:52:18	37.859	116.124	0.4	10.68	2.3	107	BB	0.6	1.4	REVEILLE PEAK

1986 LOCAL HYPOCENTER SUMMARY

DATE	TIME (UTC)	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	116.160	0.2	10.63	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	116.333	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	-0.66	1.2	269	BD	2.1	2.0	***REGIONAL***
16	16: 1:17	37.871	116.128	0.4	4.74	8.6	109	CC	2.1	2.2	REVEILLE PEAK
16	19:28: 6	36.215	115.960	0.3	5.61	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	36.697	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	7.81	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	1.6	DELAMAR 3 NW
18	14:52:42	36.459	116.163	0.2	10.25	0.3	68	AA	0.5	0.9	AMARGOSA FLAT
18	21:32:28	36.459	116.161	0.2	10.51	0.2	66	AA	0.6	1.1	AMARGOSA FLAT
19	20:30:29	36.304	117.446	0.5	5.94	3.2	238	BD	0.6	1.3	PANAMINT BUTTE
20	19: 3:37	36.719	117.267	0.3	9.54	0.7	118	AB	2.0	1.7	MARBLE CANYON
21	1:27: 6	37.857	116.135	0.2	0.16	0.3	106	AC	1.7	1.7	REVEILLE PEAK
21	3: 3:38	37.855	116.135	0.4	5.07	7.3	106	CC	0.8	1.8	REVEILLE PEAK
21	9:15:37	36.866	116.570	0.5	8.60	0.6	196	AD	0.4	0.5	BARE MTN
22	4:47:20	37.856	116.127	0.3	0.36	0.5	106	AC	1.8	2.1	REVEILLE PEAK
23	1:11:49	37.849	116.133	0.2	6.70	1.7	105	AC	0.8	1.6	REVEILLE PEAK
23	4:14:17	37.516	117.199	0.4	6.86	2.7	108	BC	1.5	1.4	GOLDFIELD
23	4:29:51	37.516	117.200	0.6	5.61	5.7	109	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	114.876	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	0.6	0.10	0.5	71	AB	---	---	SCOTTYS JUNCTION SW
27	21: 0:20	36.602	116.048	0.1	8.31	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	106	BC	2.1	1.7	REVEILLE PEAK
28	2:50:43	37.859	116.137	0.3	6.10	2.7	107	BC	0.8	1.6	REVEILLE PEAK
28	5:34:12	37.280	117.680	0.3	-1.03	0.3	156	AC	0.6	1.1	MAGRUDER MTN
28	9:41:11	37.843	116.130	0.5	0.90	0.5	189	AD	0.5	1.1	REVEILLE PEAK
29	1:45:18	37.854	116.138	0.3	4.04	6.9	106	CC	0.7	1.4	REVEILLE PEAK
29	2:41:49	37.847	116.134	0.3	4.60	4.4	104	BC	0.7	1.4	REVEILLE PEAK
29	9:58:38	37.851	116.149	0.3	5.70	2.7	104	BC	0.7	1.5	REVEILLE PEAK
29	15:55:58	37.795	116.197	0.3	8.30	2.3	122	BC	0.7	1.7	REVEILLE PEAK
30	9: 1:34	37.858	116.132	0.1	2.15	0.9	107	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	36.670	116.071	0.2	9.75	0.5	64	AA	0.7	2.5	CAMP DESERT ROCK
30	16:26:30	37.164	117.882	0.3	6.33	1.4	222	AD	0.7	1.4	WAUCOBA SPRING
30	17: 6:35	37.184	117.867	0.3	9.22	1.0	210	AD	0.7	1.5	WAUCOBA SPRING
30	19: 5:44	37.848	116.135	0.2	4.33	5.7	105	CC	0.6	1.5	REVEILLE PEAK
30	22:45:15	37.172	117.070	0.2	5.13	2.5	79	BC	0.6	1.0	BONNIE CLAIRE
31	0:40: 0	37.168	117.886	0.9	5.66	5.2	245	CD	---	1.9	WAUCOBA SPRING
31	1:57:42	36.540	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	100	AC	1.4	1.3	SPECTER RANGE SW
31	5:39:19	37.173	117.886	0.5	7.34	2.0	219	AD	0.6	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	116.101	0.2	8.54	0.6	90	AB	0.5	1.0	CAMP DESERT ROCK

Appendix B

Station codes, locations, and instrumentation

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 46 W	2680	S-13 to 81/03/21 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 Butte, Nev	79/01/23-present	37 02 27 N	116 13 66 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
CDH1	Calico Hills, Nev	80/02/06-81/11/18	36 51 62 N	116 19 05 W	1387	L-1-3DS (vert) L-4C 18/11/81-pr	90 84
CPX	CP-1, Nev	77/--/--80/03/01	36 55 80 N	116 03 33 W	1285	NGC-21 to 80/08/05 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 L-4C 80/04/25-pr	84
EPNH	Echo Peak, Nev	84/06/06-present	37 12 85 N	116 19 42 W	2285	L-4C horizontal	78
EPR	East Pahranagat Rg, Nev	79/01/23-present	37 10 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	1025	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 01 N	117 15 58 W	2155	L-4C	84
GMNH	Gold Mountain, Nev	84/07/30-present	37 18 01 N	117 15 58 W	2155	L-4C horizontal	78
GMR	Groom Range, Nev	79/01/23-present	37 20 03 N	115 46 27 W	1580	L-4C	84
GMRH	Groom Range, Nev	84/09/09-present	37 20 03 N	115 46 27 W	1580	L-4C	84
GVN	Grapevine, Cal	78/11/28-present	37 00 09 N	117 20 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
JON	Johnnie, Nev	78/07/24-present	36 26 39 N	116 06 18 W	920	L-4C	84
JONH	Johnnie, Nev	84/06/22-present	36 26 39 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 08 N	117 38 84 W	1455	L-4C	84
LOP	Lookout Peak, Nev	79/01/23-present	36 51 25 N	116 10 85 W	1695	L-4C	84
LSM	Little Skull Mt , Nev	79/12/13-present	36 44 40 N	116 16 37 W	1140	S-13	84
LSMN	Little Skull Mt , Nev	84/07/17-present 86/01/13	36 44 40 N	116 16 37 W	1140	L-4C horizontal Gain lowered to	78 38
LSME	Little Skull Mt , Nev	84/07/17-present 86/01/13	36 44 40 N	116 16 37 W	1140	L-4C horizontal Gain lowered to	78 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	Magruder 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 16 36 W	1525	L-4C	84

MZP	Montezuma Peak, Nev	79/07/13-present	37 42 04 N	117 22 98 W	2375	L-4C	84
NOP	Nopah Range, Cal	78/07/24-present	36 07 68 N	116 09 16 W	970	L-4C to 80/04/25 S-13 80/04/25-pr	84 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	NGC-21 to 80/06/19 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
SDH	Striped Hills, Nev	78/07/24-present	36 38 73 N	116 20 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 S-13 81/06/15-pr	84 84
SHRG	Sheep Range, Nev	79/05/22-present	36 30 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	NGC-21 to 80/05/25 L-4C 80/05/27-pr	84
SVP	Silver Peak Range, Nev	79/07/13-present	37 42 90 N	117 48 05 W	2620	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	1000	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 20 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 23 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 86/01/13	36 50 83 N	116 27 07 W	1256	L-4C horizontal Gain lowered to	78 60
YM4E	Yucca Mountain, Nev	84/06/29-present 86/01/13	36 50 83 N	116 27 07 W	1256	L-4C horizontal Gain lowered to	78 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

Appendix C

Input parameters to HYPO71

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.

Appendix D

Horizontal component seismometer electronics and calibrations

Horizontal component seismometer electronics and calibrations

In 1984 horizontal (north-south component) seismometers were 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. Seismometer, amplifier, and telemetry electronics for these stations are similar to the vertical-component seismometer electronics discussed in Rogers and others (1987, their 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), however, employs 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 station amplifiers are higher gain than the horizontal station amplifiers, we rely on the horizontal stations to provide ground-motion data for magnitude estimates when the rest of the network is overdriven. Also, it should be noted that both tradition and current usage dictate that M_L calculations should 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 now being collected should be helpful to verify or, if necessary, to modify 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

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

where y =peak-to-peak ground displacement (m), i_s = peak-to-peak current input to calibration coil (amps), G_c = calibration coil constant (newtons/amp), M = transducer mass (kg), and ω = 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 observed response for L4C seismometers may be a few percent 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.)

STATION	Frequency (hz)				
	0.1	1.0	2.0	5.0	10.0
	% 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.

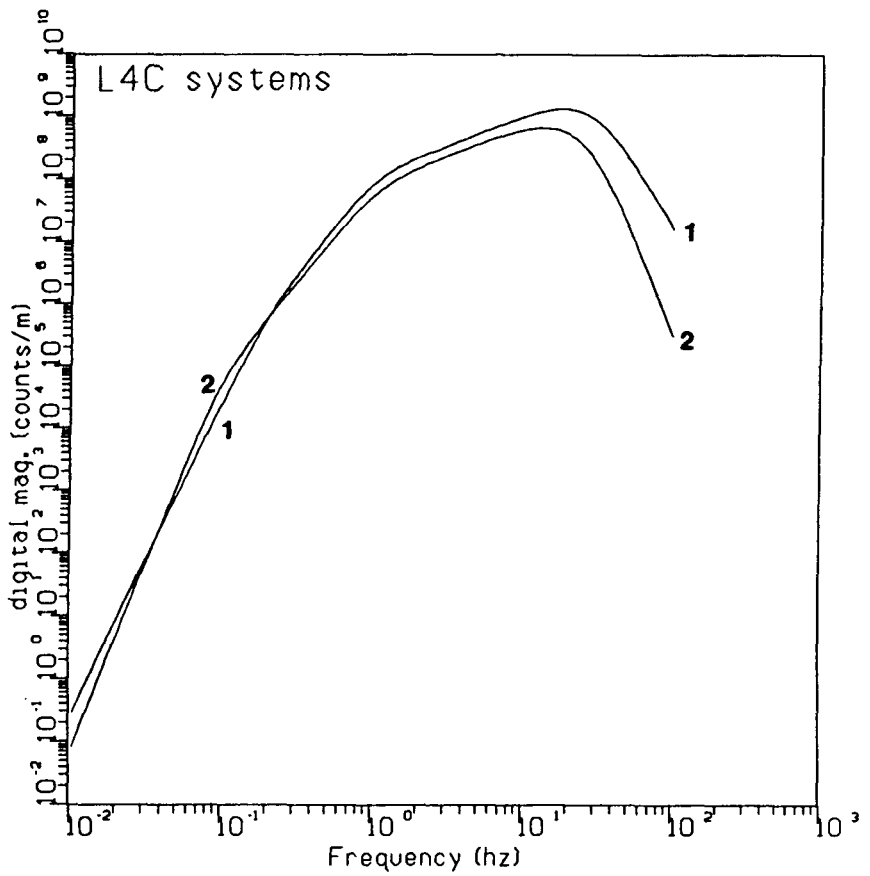


Figure D1. – System frequency (amplitude) response of a L4C horizontal seismometer input into a Teledyne-Geotech 4250 amplifier (curve 1) compared to that of a L4C vertical seismometer input into a Tricom 649 amplifier (curve 2), expressed as digital amplification of ground motion (digital counts per 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.

APPENDIX E

1984-1986 Focal mechanisms
with table summarizing mechanisms computed 1979-1983

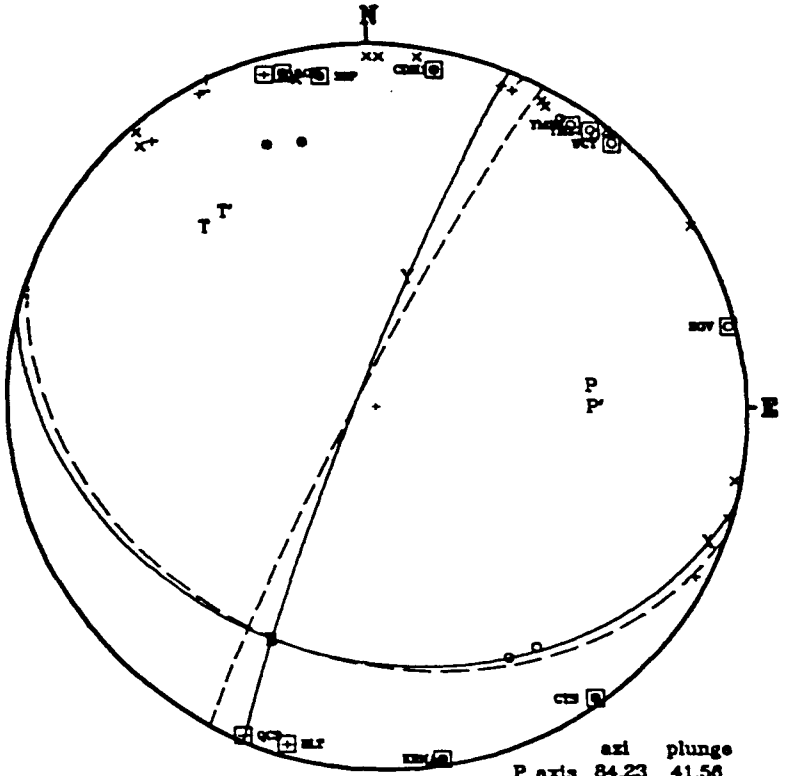
The focal mechanisms of Appendix E were obtained by selecting the best-fitting solution(s) from the application of the computer program "FOCMEC" (Snoke and others, 1984) to the ray data generated by HYPO71, and in some instances, to amplitude data. We plot data on the lower focal hemisphere using the equal-area projection (Lee and Stewart, 1979). The symbols represent first-motion $P-$polarities, and their positions represent the points where the HYPO71-determined raypaths intersect the focal hemisphere. The darkened circles represent impulsive compressional arrivals, the + symbols represent emergent compressionals, the open circles represent impulsive dilitationals, the − symbols represent emergent dilitationals, and the × symbols represent indeterminate or nodal readings. The + symbol at the center of each mechanism is *not* a compression; it is a point of reference for readers who may wish to search for alternative solutions using a Schmidt net. In the following figures the **P** and **T** symbols represent the pressure and tension axes, respectively. The **X** and **Y** symbols represent slip vectors for each nodal plane, and **B** is the null axis. Primed symbols are the respective vectors for alternate (dashed) solutions when they are presented. Some mechanisms are composited using data from several events that are clustered in time and space. Composite solutions are noted in each figure.

For several mechanisms, the information contained in P-wave polarities was not adequate to effectively constrain the nodal planes. In these instances, first motion P- and SV- amplitude data were gathered at selected stations, indicated by a large square around the polarity symbol. The observed and theoretical $\log_{10}(SV/P)_z$ ratios and the difference between the logarithms of observed and theoretical ratios are computed for hundreds of potential solutions whose nodal planes conform to P-wave first-motion polarities. The theoretical values shown in each figure are for the "optimum" solution shown, having the lowest rms error and fewest polarity inconsistencies. If the difference between observed and theoretical values is greater than a specified limit, err_{max}, that station's amplitude data are not used in the solution and an asterisk is placed by its name in the solution table. We always set $err_{max} \leq 0.3$, corresponding to a maximum factor between theoretical and observed amplitude ratios of 2.0.

Kisslinger and others (1981) and Rogers and others (1987) discuss several assumptions that must be satisfied for the $(SV/P)_z$ amplitude ratio method to be valid. Their comments and observations are included herein by reference.

St, *strike of nodal plane*; Dp, *dip of nodal plane*; Rk, *rake of slip vector*; Tr, *trend of axis*; Pl, *plunge of axis*. ML, *local (SGB) magnitude*; Tsm, *type of source mechanism*: 1, *single event focal mechanism*; 2, *composite focal mechanism*. Nodal planes: No inferred fault planes for these focal mechanisms are available at publication time. See Harmsen and Rogers (1986) and Rogers and others (1987) for general remarks about state of crustal stress and implications concerning preferred nodal planes. Rmk: Remarks, designated by *, means that $(SV/P)_z$ amplitude ratios were used to constrain or help determine the focal mechanism.

Catalog/ Index	Origin time (UTC) Date	Time	North latitude	West longitude	Focal depth (km)	Quadrangle	Magnitude (ML)	Tsm	Nodal planes 1st St	Dp	Rk	2nd St	Dp	Rk	Principal axes P Tr	Pl	T Tr	Pl	B Tr	Pl	Rmk
1	1984-07-05	18:58:20.9	37.125	116.254	5.33	Ammonia Tanks	1.6	2	105	30	-9	203	86	240	84	42	318	34	205	30	*
2	1984-07-06	4:32:45.9	37.126	116.259	5.32	Ammonia Tanks	1.6	1	105	30	-9	203	86	240	84	42	318	34	205	30	*
3	1985-01-10	17:53:00.9	36.613	116.105	2.68	Specter Range SE	1.6	1	71	66	-18	333	74	155	31	29	299	5	200	60	
4	1985-01-13	22:21:14.5	36.366	115.769	14.40	Mt. Sterling	2.3	1	64	65	-80	221	27	250	353	68	147	20	240	9	
5	1985-01-20	18:40:54.1	36.619	116.447	5.4	Lathrop Wells SW	2.3	2	75	50	-4	168	87	220	40	30	295	24	172	50	
6	1985-05-15	10:29:13.8	37.459	115.308	0.40	Hancock Summit	2.3	1	260	87	-4	350	86	183	215	5	305	0	40	85	
7	1985-05-30	5:46:20.9	37.113	116.249	5.53	Tippipah Spring	1.7	2	177	74	50	69	43	156	296	20	47	46	190	38	*
8	1985-11-01	11:56:01.7	37.089	117.411	5.46	Ubehebe Crater	2.0	1	232	31	-70	30	61	258	272	72	128	15	35	10	*
9	1985-11-26	7:56:44.4	37.302	116.500	1.50	Trail Ridge	1.3	2	46	42	-50	178	59	240	38	63	290	9	195	25	*
10	1985-11-28	19:19:34.6	36.698	116.260	9.15	Striped Hills	1.3	1	255	85	-1	345	89	185	210	4	120	3	0	85	*
11	1985-12-12	11:57:53.1	36.859	116.727	5.00	Bare Mountain	1.5	1	93	66	-33	198	60	208	53	40	146	3	240	50	*
12	1986-01-16	14:28:58.8	36.896	115.970	1.70	Frenchman Flat	1.0	2	221	45	-45	345	60	235	204	59	100	9	5	30	*
13	1986-01-16	15:24:51.9	36.873	115.981	2.68	Frenchman Flat	2.0	1	240	74	-37	341	54	199	195	37	294	13	40	50	
14	1986-02-17	20:29:25.1	37.019	116.465	8.38	Timber Mountain	1.5	2	87	86	50	352	40	174	208	30	323	36	90	40	
15	1986-03-06	20:16:53.1	37.159	117.358	7.91	Ubehebe Crater	2.6	1	195	50	-90	15	40	270	105	85	285	5	15	0	
16	1986-03-06	20:29:10.8	37.159	117.364	5.94	Ubehebe Crater	1.8	1	249	88	-30	341	60	183	201	23	299	19	65	60	*
17	1986-03-14	16:35:57.7	37.342	117.239	2.0	Scottys Junction SW	2.4	1	253	37	-52	28	62	245	256	64	136	14	40	22	
18	1986-03-23	7:58:12.0	37.429	116.774	0.38	Tolicha Peak	2.2	1	75	88	-14	165	76	182	30	5	120	1	225	85	
19	1986-04-04	20:09:33.3	37.577	117.425	1.40	Montezuma Peak SW	1.4	2	27	65	-85	195	25	259	308	69	113	20	205	5	
20	1986-04-28	8:51:07.1	36.947	116.356	4.67	Topopah Spring	0.5	1	260	75	-1	350	89	195	216	11	124	10	355	75	*
21	1986-06-04	15:07:38.9	37.345	117.236	1.49	Scottys Junction SW	2.8	1	266	43	-65	53	52	248	236	69	338	5	70	20	
22	1986-06-18	21:07:25.5	37.150	117.398	7.09	Ubehebe Crater	2.3	2	51	58	-32	53	52	248	17	44	284	4	190	46	*
23	1986-07-02	8:10:21.7	36.599	116.407	5.21	Lathrop Wells SW	2.6	1	244	86	-25	159	63	216	197	20	293	14	55	65	
24	1986-07-05	14:04:15.8	37.339	117.243	2.50	Scottys Junction SW	2.4	1	245	47	-69	36	47	249	230	75	140	0	50	15	
25	1986-07-08	3:02:49.5	36.645	117.195	11.75	Stovepipe Wells	2.3	1	232	78	-28	328	63	194	187	28	283	10	30	60	*
26	1986-12-06	9:20:00.7	36.462	116.165	9.87	Amargosa Flat	2.5	1	207	56	-78	6	36	253	154	76	288	10	20	10	
27	1986-12-10	15:03:52.6	36.633	116.331	6.00	Striped Hills	2.5	1	230	62	-22	331	71	210	192	34	98	6	0	55	



AMMONIA TANKS
DATE/TIME: 840705 18 58 20.92
LAT: 37.125 LONG: 116.254
DEPTH, km: 5.33 +/- 1.3 ML: 1.6
COMPOSITE WITH 840706 4 31 53.62

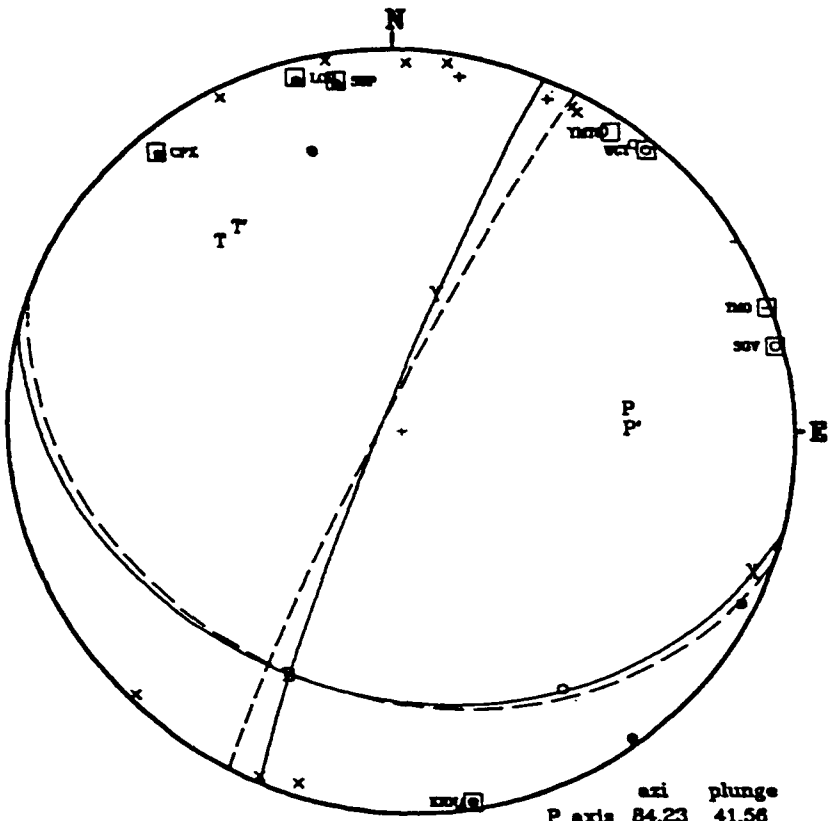
	axi	plunge
P axis	84.23	41.56
T axis	317.81	33.81
B axis	205.05	30.02
X axis	112.53	4.34
Y axis	15.10	59.60

	strike	dip	rake
Soln 1	105.10	30.40	-8.60
Soln 2	110.80	30.40	-8.60

Log10(SV/P)z Observed	Theoretical	Difference	Station
0.5188	0.3562	0.1196	SSP
0.2831	0.3302	-0.0471	CCM1
0.7678	0.6211	0.1467	YMT5
0.4595	0.5188	-0.0515	LOP
0.9141	0.5577	0.3565	*BLT
0.4583	0.6694	-0.1638	VCT
0.3637	0.6829	-0.3191	*KNNA
-0.1736	0.9891	-1.0827	*SGV
0.2126	0.8525	-0.6398	*CTS
1.0814	1.5581	-0.4587	*SOCS
0.4847	0.5529	-0.1483	LOP
0.2838	0.5581	-0.4463	*YMT1

The average rms error = .123

Figure E1. This solution is fairly well-constrained without using amplitude data, which in any case were not very helpful. The 30°-dipping nodal plane has right-lateral slip, and the steeply-dipping plane has predominantly normal slip.



AMMONIA TANKS
DATE/TIME: 840706 4 32 45.85
LAT: 37.126 LONG: 116.259
DEPTH, km: 5.32 +/- 1.2 ML: 1.6

	axi	plunge
P axis	84.23	41.56
T axis	317.81	33.81
B axis	205.05	30.02
X axis	112.53	4.34
Y axis	15.10	59.60

	strike	dip	rake
Soln 1	105.10	30.40	-8.60
Soln 2	110.10	30.40	-8.60

Log10(SV/P)z Observed	Theoretical	Difference	Station
0.3968	0.4383	-0.0344	SSP
0.4743	0.6984	-0.2241	CPX
0.5378	0.5297	0.0028	YMT5
0.5426	0.5418	0.0008	LOP
0.4716	0.6678	-0.1953	VCT
0.5435	0.6829	-0.1353	KNNA
-0.2414	0.9891	-1.1585	*SGV
0.7846	0.8698	-0.1644	TMO

The average rms error = .148

Figure E2. This solution is fairly well-constrained without using amplitude data, which in this case were consistent with the polarity-determined solution. The 30°-dipping nodal plane has right-lateral slip, and the steeply-dipping plane has predominantly normal slip.

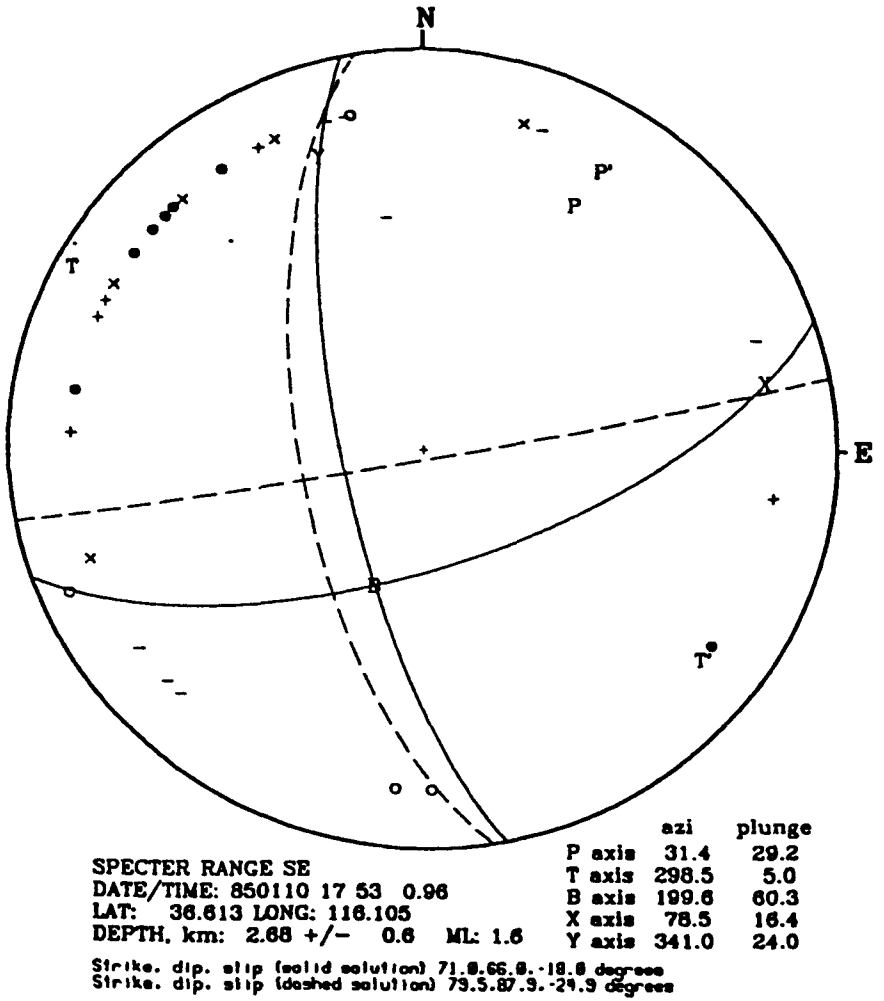


Figure E3. The range of admissible solutions indicates predominantly strike slip on both nodal planes.

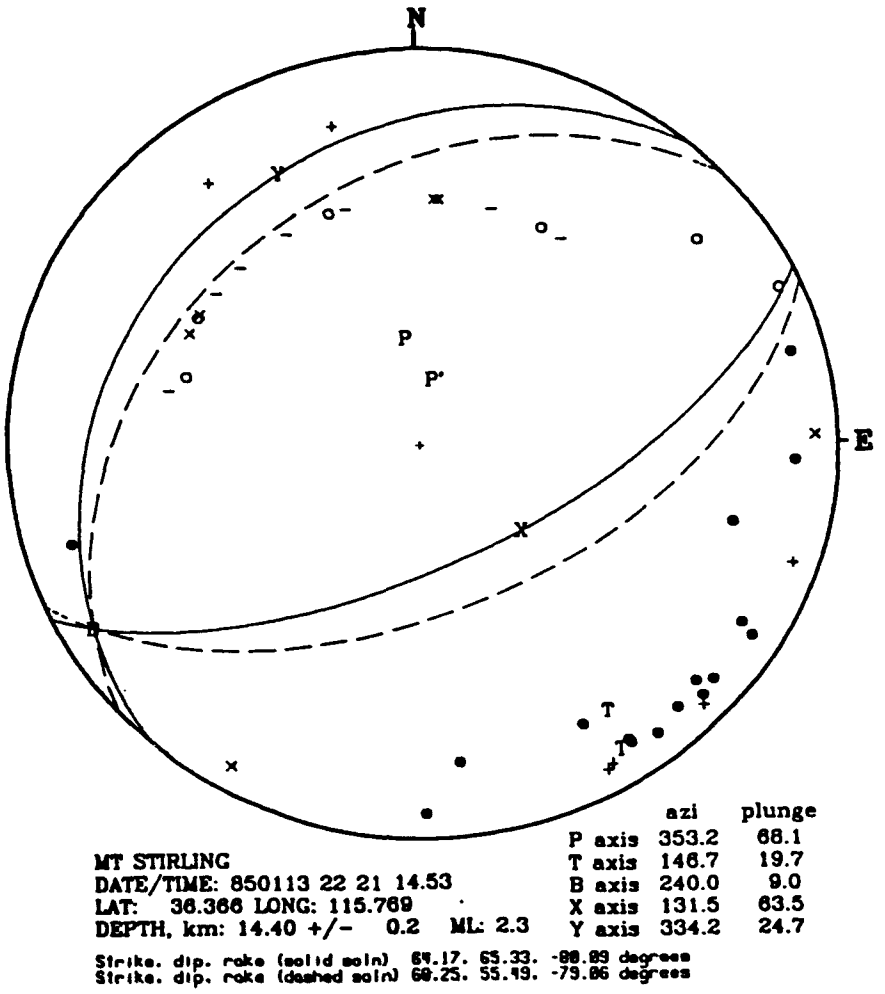
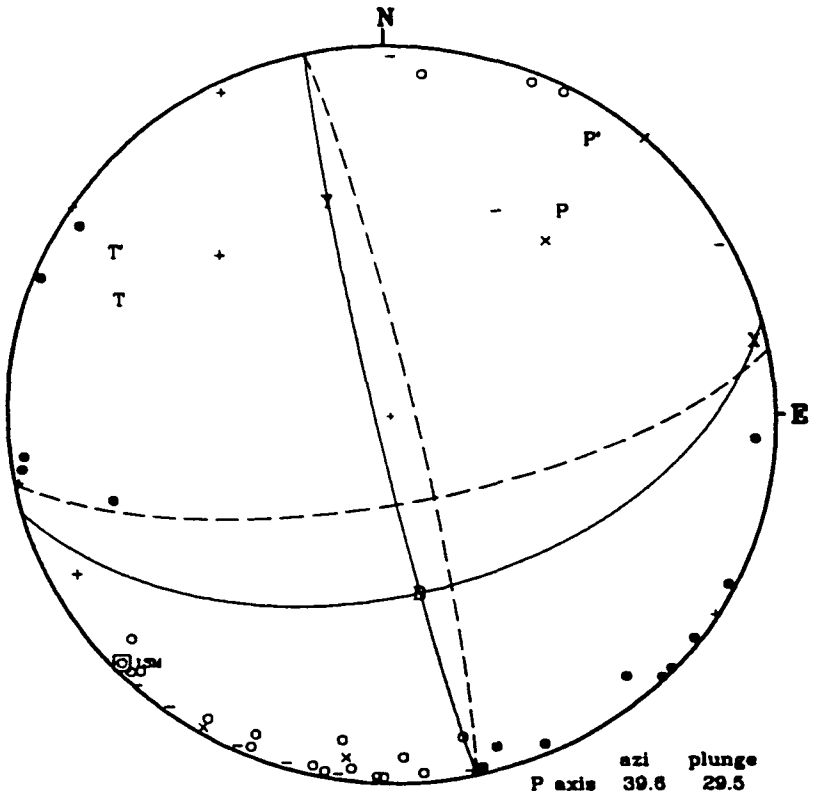


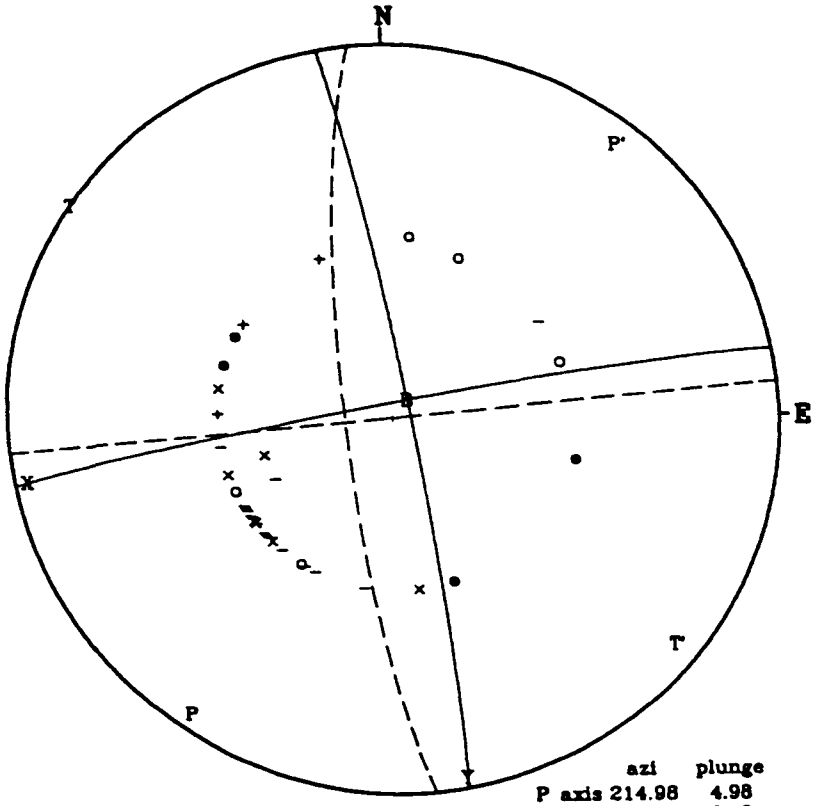
Figure E4. The range of admissible solutions indicates predominantly normal slip on both nodal planes.



		azi	plunge
LATHROP WELLS SW	P axis	39.6	29.5
DATE/TIME: 850120 16 40 54.05	T axis	294.7	24.4
LAT: 36.619 LONG: 116.447	B axis	172.0	50.0
DEPTH, km: 5.43 +/- 0.6 ML: 2.3	X axis	76.2	3.2
COMPOSITE WITH 850120 16 46 51.57	Y axis	345.5	39.8

Strike, dip, rake (solid solution) 75.48 58.18 -9.18 degree
Strike, dip, rake (dashed solution) 79.92 78.71 5.38 degree

Figure E5. The range of admissible solutions indicates predominantly strike slip on both nodal planes.



HANCOCK SUMMIT
DATE/TIME: 850515 10 29 13.79
LAT: 37.459 LONG: 115.308
DEPTH, km: 0.40 +/- 0.5 ML: 2.3

Strike-slip mainshock.

	azi	plunge
P axis	214.98	4.98
T axis	305.02	0.43
B axis	39.98	85.00
X axis	260.10	3.82
Y axis	169.89	3.21

	strike	dip	rake
Soln 1	259.89	86.79	-3.83
Soln 2	265.00	90.00	10.00

Figure E6. This shallow-focus focal mechanism is strike slip. The solution is sensitive to depth of focus and depth of refractor interfaces. If these are incorrectly modeled and/or estimated, changing either may make normal- and oblique-slip solutions possible.

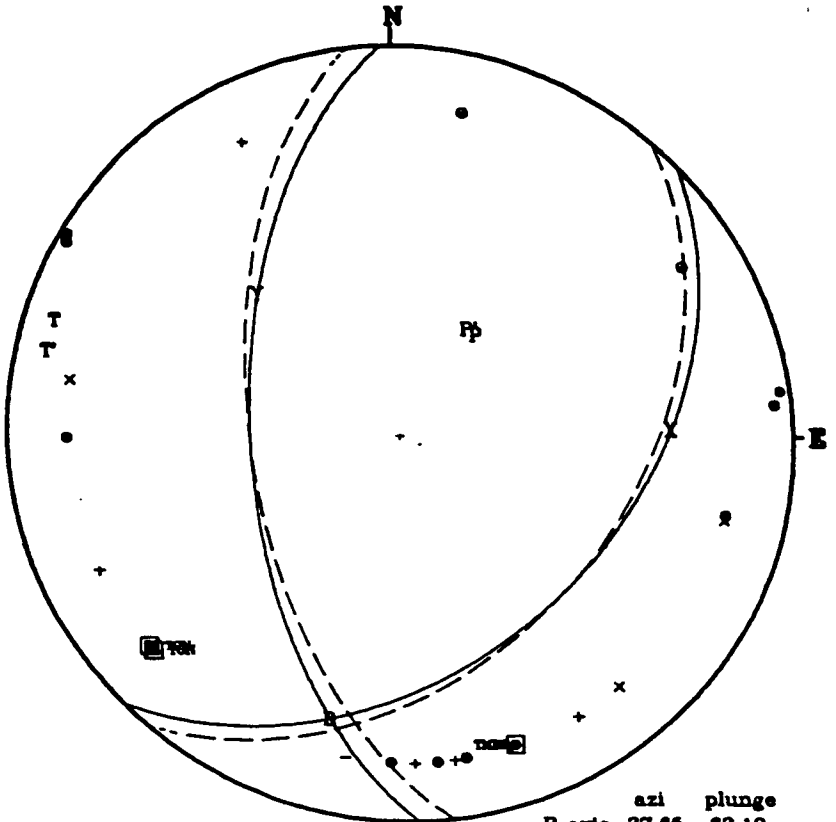


Figure E7. This shallow-focus focal mechanism is predominantly normal slip on both nodal planes. A right-lateral component of slip is also present.

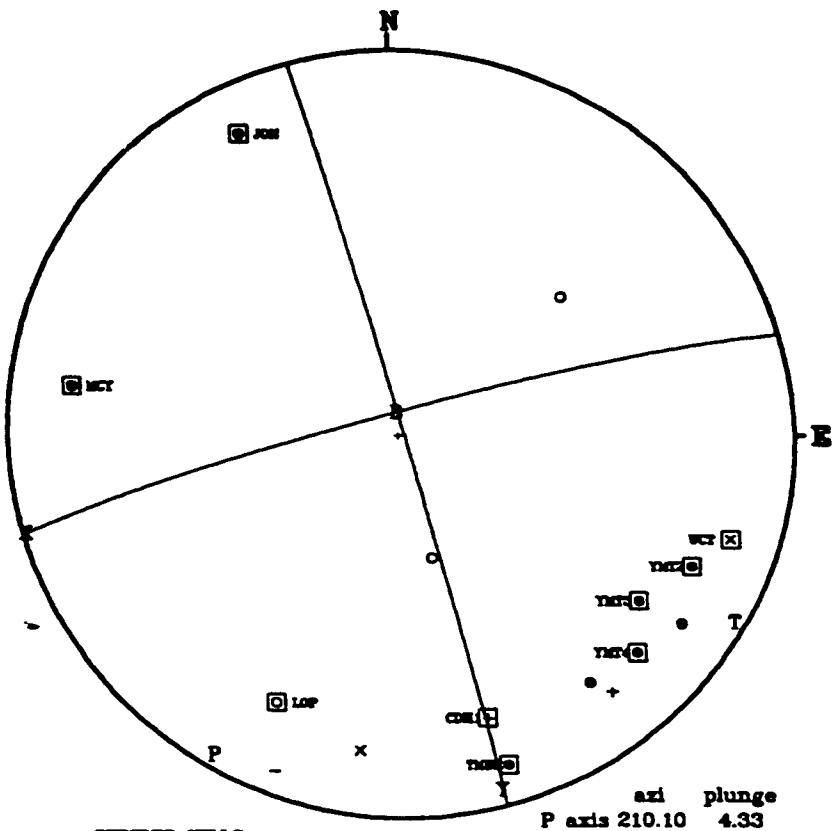
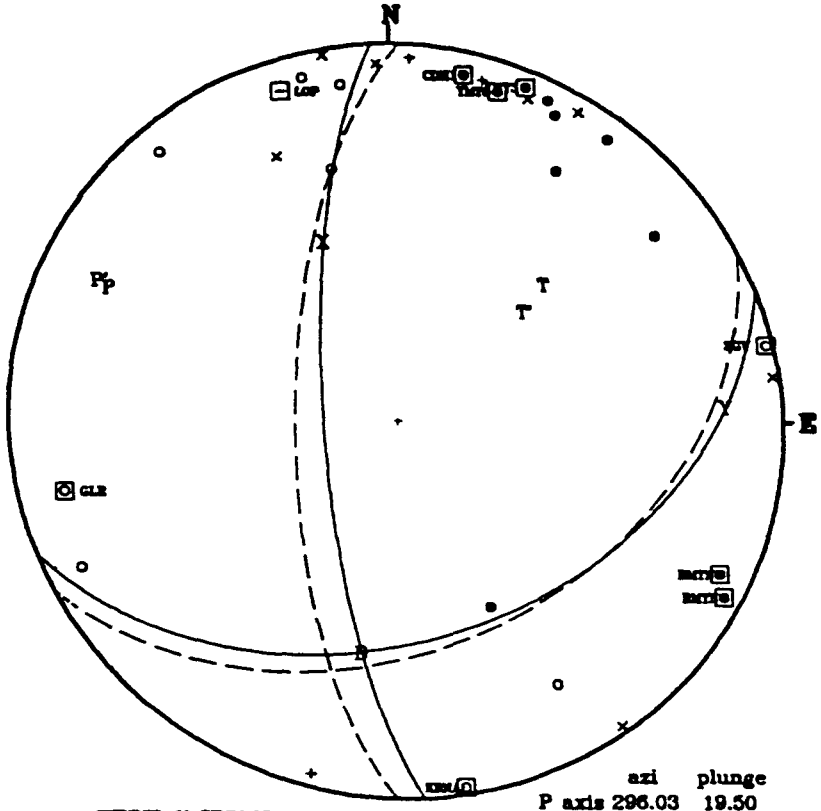


Figure E8. Both nodal planes exhibit strike slip.



TIPPIPAH SPRING
DATE/TIME: 850530 5 46 20.89
LAT: 37.113 LONG: 116.249
DEPTH, km: 5.53 +/- 1.7 ML: 1.7
COMPOSITE WITH 850920 13 49 37.16

	azi	plunge
P axis	296.03	19.50
T axis	47.21	45.57
B axis	189.99	37.97
X axis	339.45	47.82
Y axis	87.40	15.60

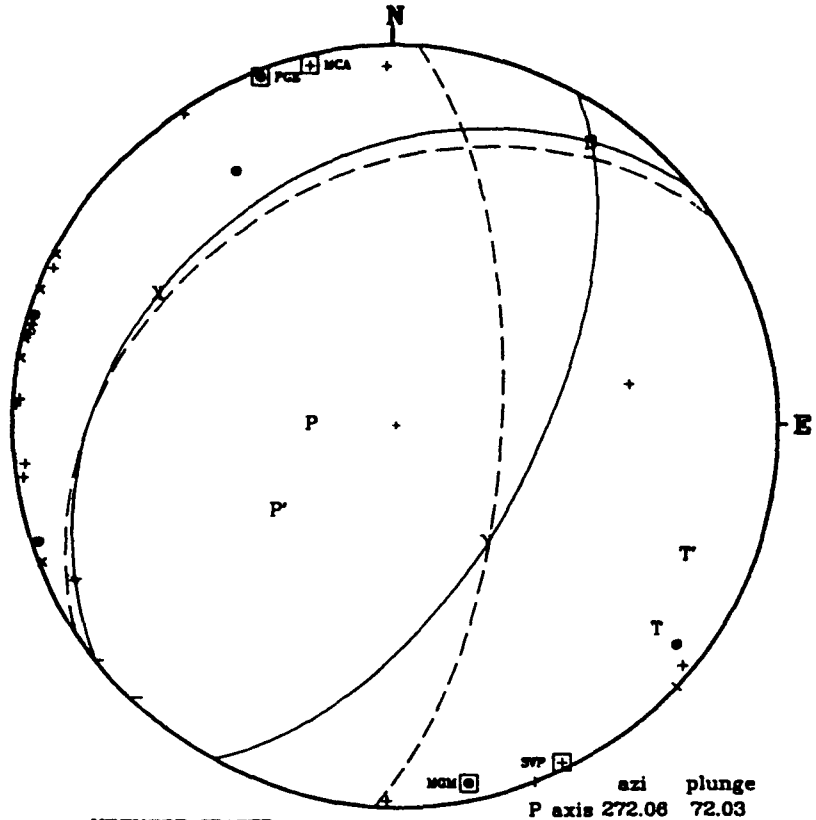
	strike	dip	rake
Soln 1	177.40	74.40	50.30
Soln 2	181.50	68.20	55.20

Log10(SV/P)z

Observed	Theoretical	Difference	Station
0.0881	0.6748	-0.6659	*CDMI
0.7498	0.6527	0.0971	YHT3
0.5158	0.5985	-0.0655	BMTN
0.4657	0.4311	0.0357	KRNR
-0.0489	1.3863	-1.4272	*SGV
-0.0874	0.7107	-0.7261	*GLR
0.5373	0.5307	-0.0089	YHT6
0.0769	0.7101	-0.6332	*BMTN
0.2831	0.2136	0.0695	LOP

The average rms error = .063

Figure E9. This focal mechanism is predominantly reverse slip on the 68°-to- 74° dipping nodal plane, but is predominantly right-lateral strike slip on the more shallow-dipping nodal plane. The polarity inconsistencies at station **BMT** render this mechanism suspect.



UBEHEBE CRATER
DATE/TIME: 851101 11 56 1.71
LAT: 37.089 LONG: 117.411
DEPTH, km: 5.46 +/- 2.0 ML: 2.0

	azi	plunge
P axis	272.06	72.03
T axis	127.66	14.77
B axis	35.00	10.00
X axis	299.27	29.49
Y axis	141.74	58.53

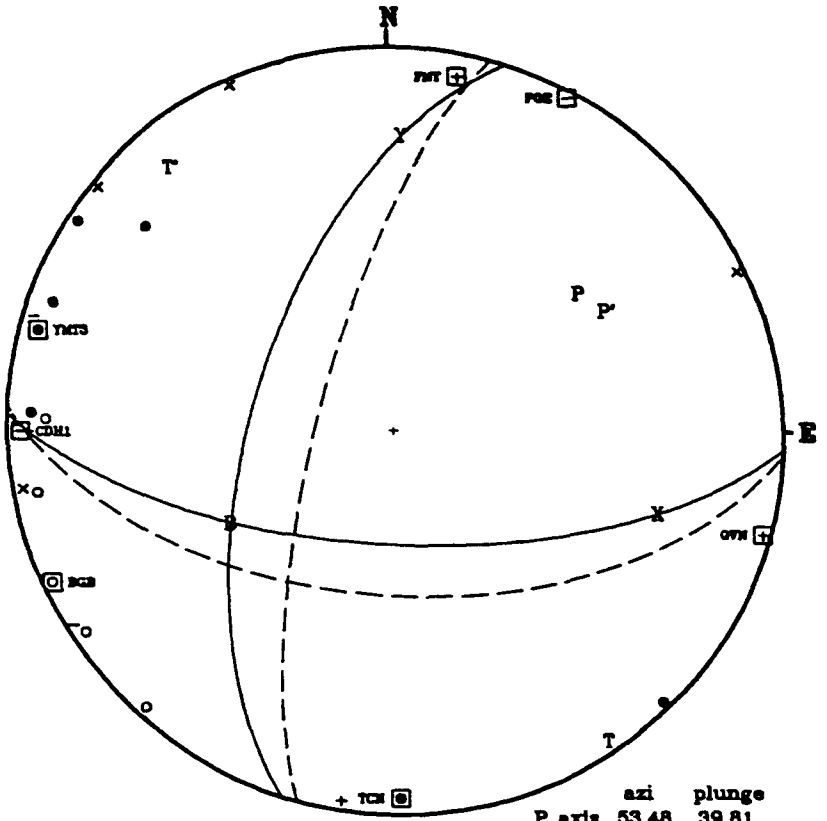
	strike	dip
P.P. 1	231.74	31.47

Log10(SV/P)z

Observed	Theoretical	Difference	Station
0.1349	0.0656	0.0693	MCN
0.5668	0.5111	0.0549	MCA
0.0785	0.3039	-0.2334	SVP
0.3043	0.4673	-0.1630	PGE

The average (rms) ratio error is 0.149

Figure E10. The range of focal mechanisms is predominantly normal slip on both nodal planes.



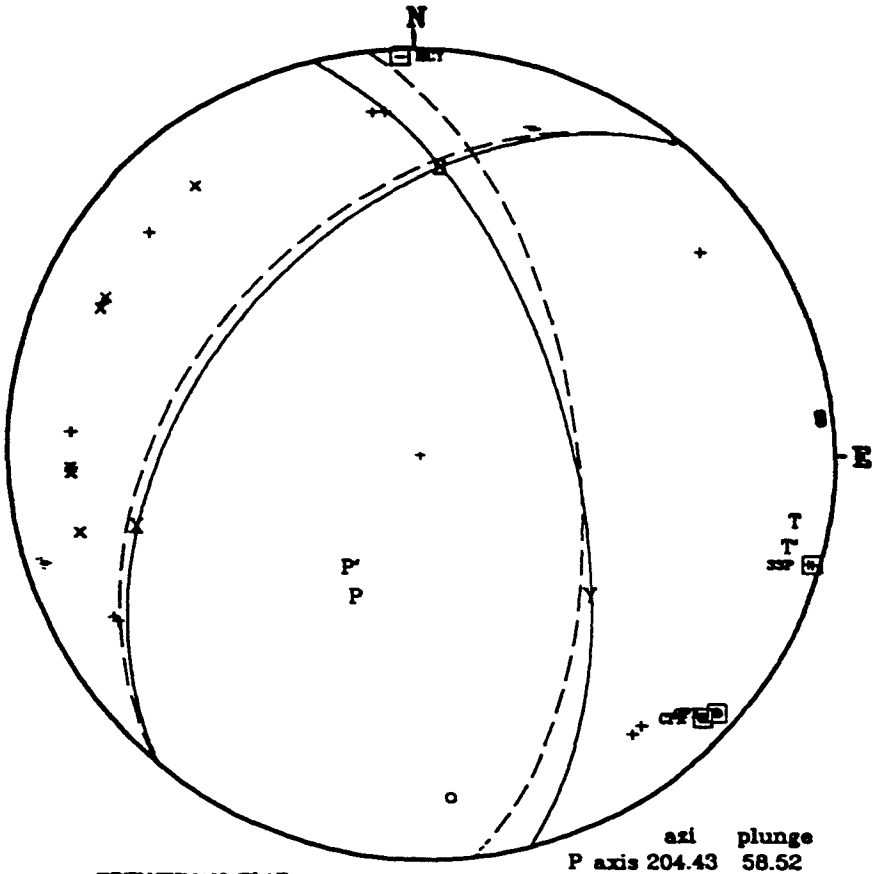
BARE MTN
DATE/TIME: 851212 11 57 53.05
LAT: 36.859 LONG: 116.727
DEPTH, km: 5.00 +/- 1.6 ML: 1.5

	azi	plunge
P axis	53.48	39.81
T axis	146.16	3.21
B axis	240.00	50.00
X axis	107.60	29.50
Y axis	2.73	24.40

	strike	dip	rake
Soln 1	92.73	65.80	-32.73
Soln 2	93.67	54.37	-19.53

Log10(SV/P)z Observed	Theoretical	Difference	Station
0.0483	1.4529	-0.5221	*FMT
0.6186	0.3465	0.2721	YMT3
0.5794	0.3875	0.2919	TCN
1.0699	1.0875	-0.0176	*CDH1
0.2563	0.6993	-0.4338	*BGB
0.5664	0.6225	-0.0561	GVN
0.5456	0.9080	-0.3624	PGE

The rms ratio error for the acceptable solutions is 0.271.



FRENCHMAN FLAT
DATE/TIME: 860116 14 28 58.81
LAT: 36.869 LONG: 115.970
DEPTH, km: 1.70 +/- 0.5 ML: 1.0
COMPOSITE WITH 860116 14 37 44.78

	azi	plunge
P axis	204.43	58.52
T axis	100.04	8.65
B axis	5.00	30.00
X axis	255.70	29.78
Y axis	130.53	45.19

	strike	dip
F.P. 1	220.53	44.81

Log10(SV/P)z Observed	Theoretical	Difference	Station
-0.0877	-0.0167	-0.0710	CPX
-0.0351	-0.1006	0.0655	SSP
0.3079	1.0619	-0.7540	*MCY

The rms error for the acceptable solutions is 0.068.

Figure E11. The range of focal mechanisms is predominantly strike slip on both nodal planes.

Figure E12. The range of focal mechanisms is oblique normal for both nodal planes.

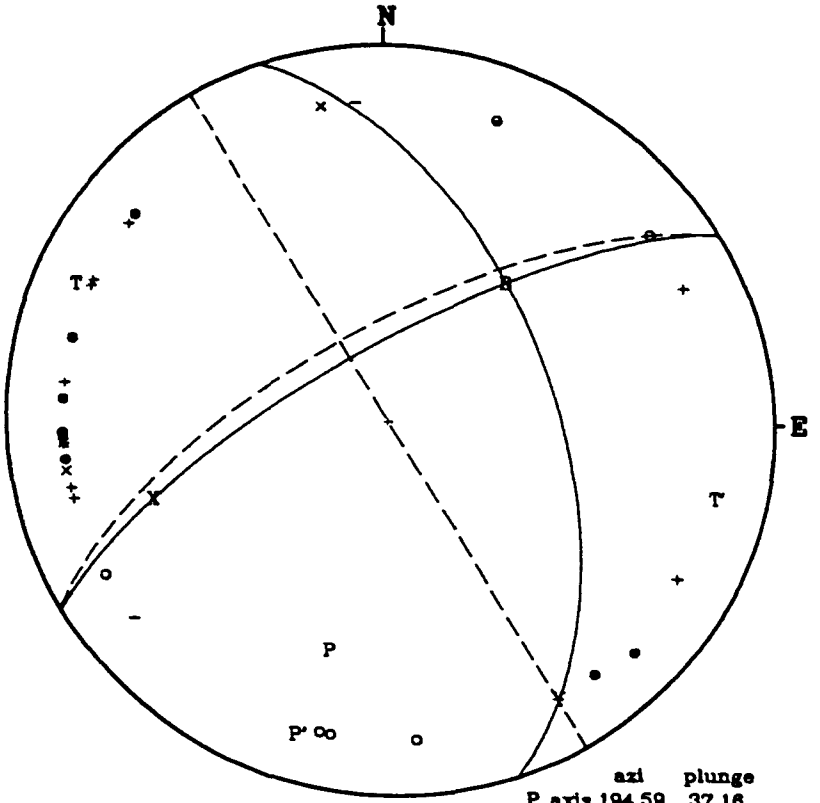


Figure E13. This Frenchman Flat quadrangle focal mechanism has a wide range of predominantly strike-slip solutions.

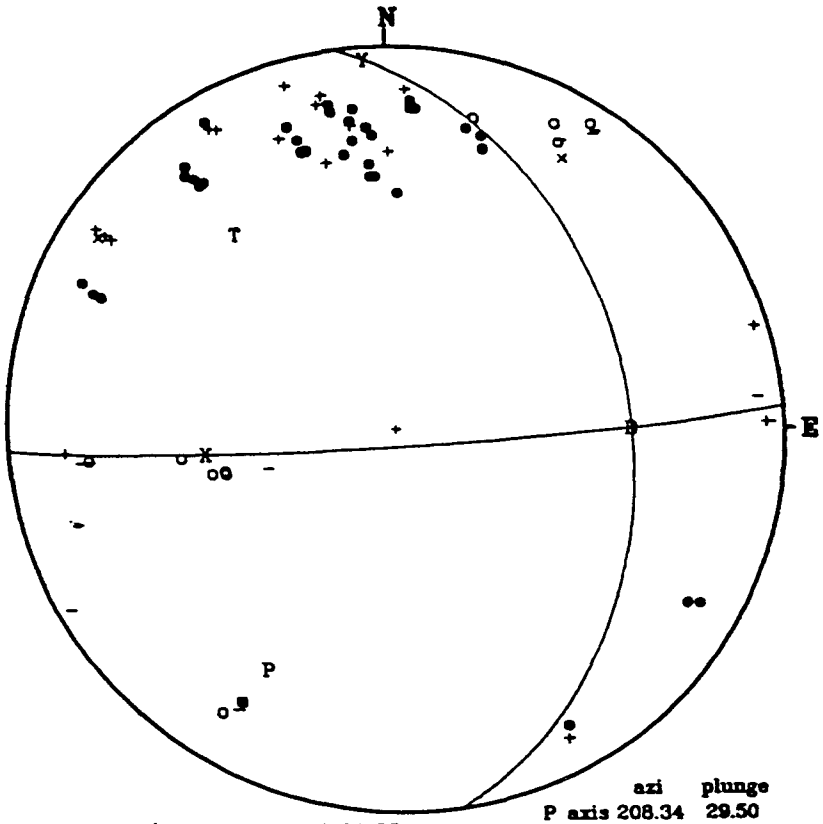
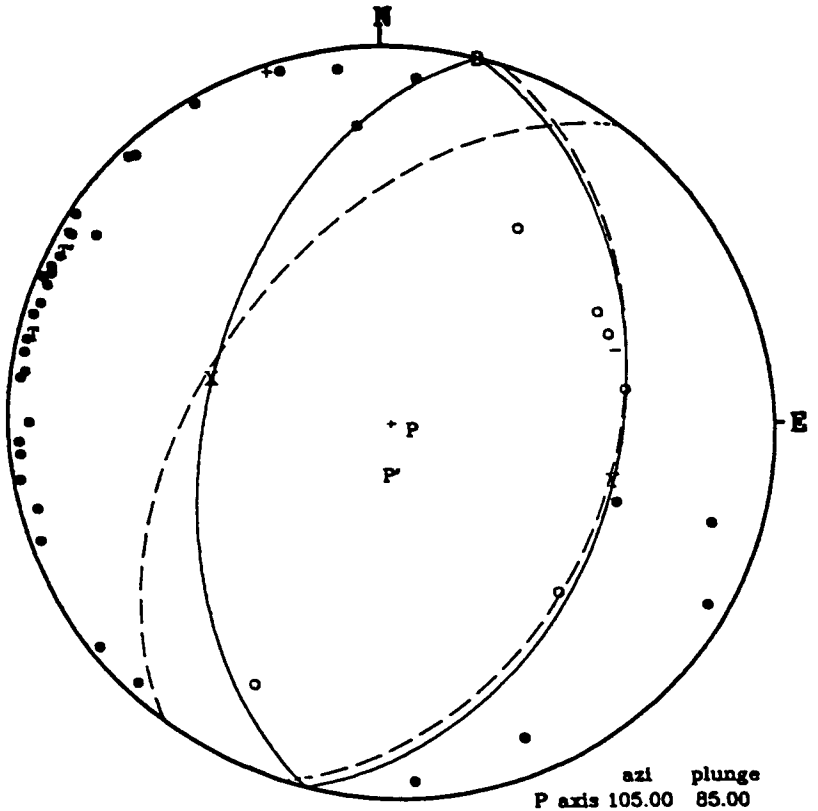


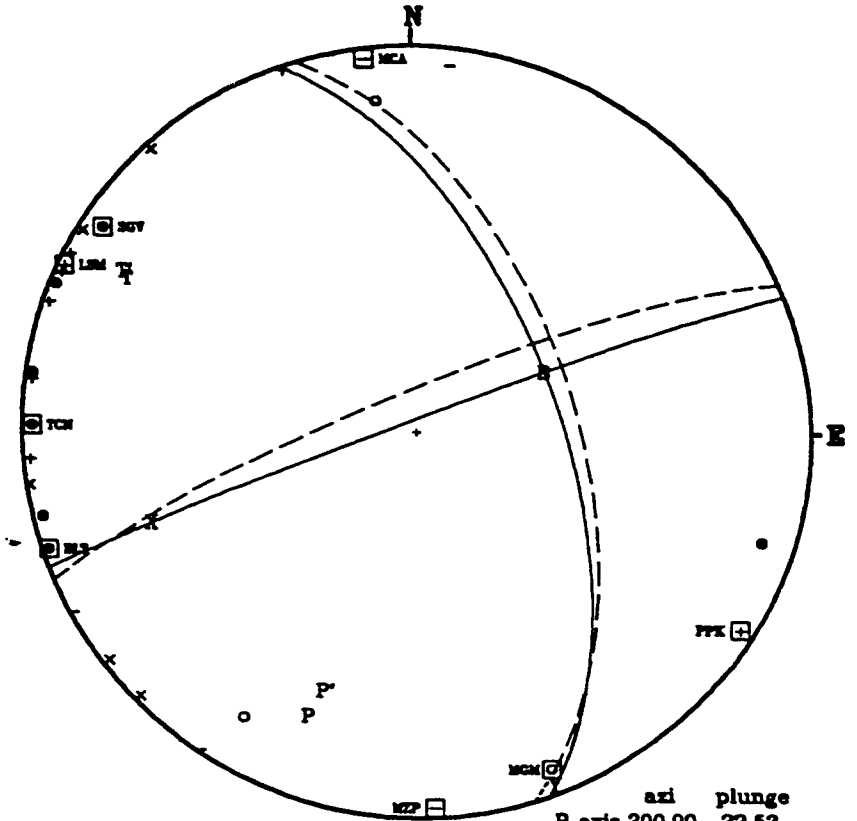
Figure E14. This Timber Mountain quadrangle focal mechanism is right-lateral strike slip on the north-trending nodal plane, and oblique slip on the west-trending, steeply-dipping nodal plane.



UBEHEBE CRATER
DATE/TIME: 860306 20 16 53.09
LAT: 37.159 LONG: 117.358
DEPTH, km: 7.91 +/- 0.5 ML: 2.6
Grapevine Mountains Mainshock

	azi	plunge
P axis	105.00	85.00
T axis	285.00	5.00
B axis	15.00	0.00
X axis	285.00	50.00
Y axis	105.00	40.00
	strike	dip
F.P. 1	195.00	50.00

Figure E15. The range of focal mechanisms is predominantly normal slip on both nodal planes. (This earthquake was felt in Goldfield and Scottys Junction.)



UBEHEBE CRATER
DATE/TIME: 860306 20 29 10.80
LAT: 37.159 LONG: 117.364
DEPTH, km: 5.94 +/- 1.1 ML: 1.8

	azi	plunge
P axis	200.90	22.53
T axis	298.99	18.75
B axis	64.99	60.00
X axis	250.77	29.88
Y axis	159.33	2.50
	strike	dip
F.P. 1	249.33	87.50

Log10(SV/P)z

Observed	Theoretical	Difference	Station
0.1541	1.5583	-1.1852	MTCM
-0.0961	0.1881	-0.2342	SSV
0.6416	0.4273	0.2143	PPK
0.0861	-0.0329	0.1290	TCN
0.9751	0.9190	0.0561	MCA
0.0899	0.5300	0.1799	MZP
1.1055	0.2201	0.8854	LSM
0.0157	0.0757	-0.0600	BLT

The rms error for the acceptable solutions is 0.162

Figure E16. The range of focal mechanisms for this earthquake, an aftershock of the event whose mechanism is shown in Figure E15, is predominantly strike slip.

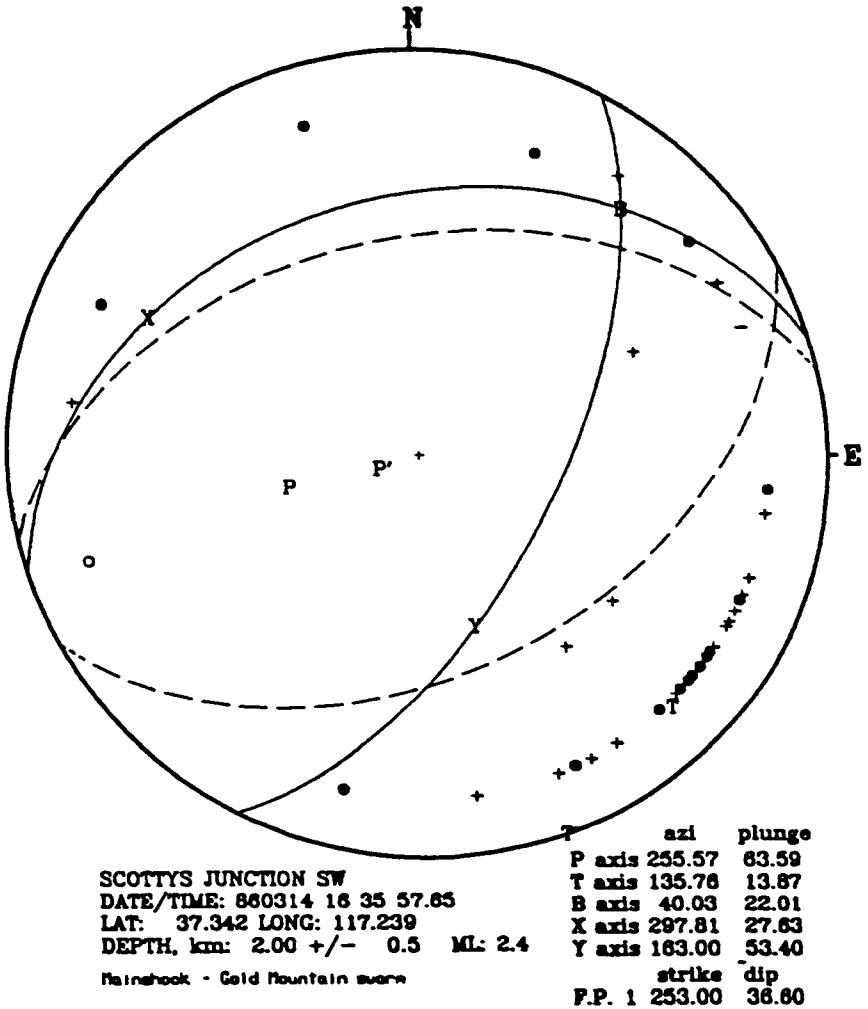


Figure E17. The range of focal mechanisms is normal slip on both nodal planes.

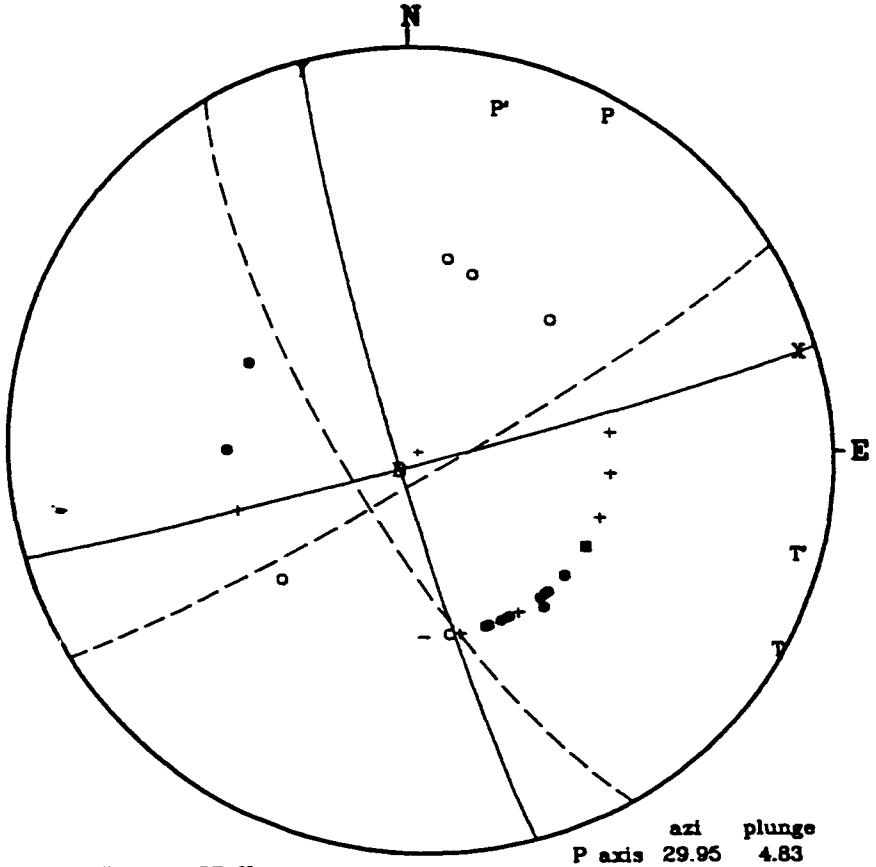
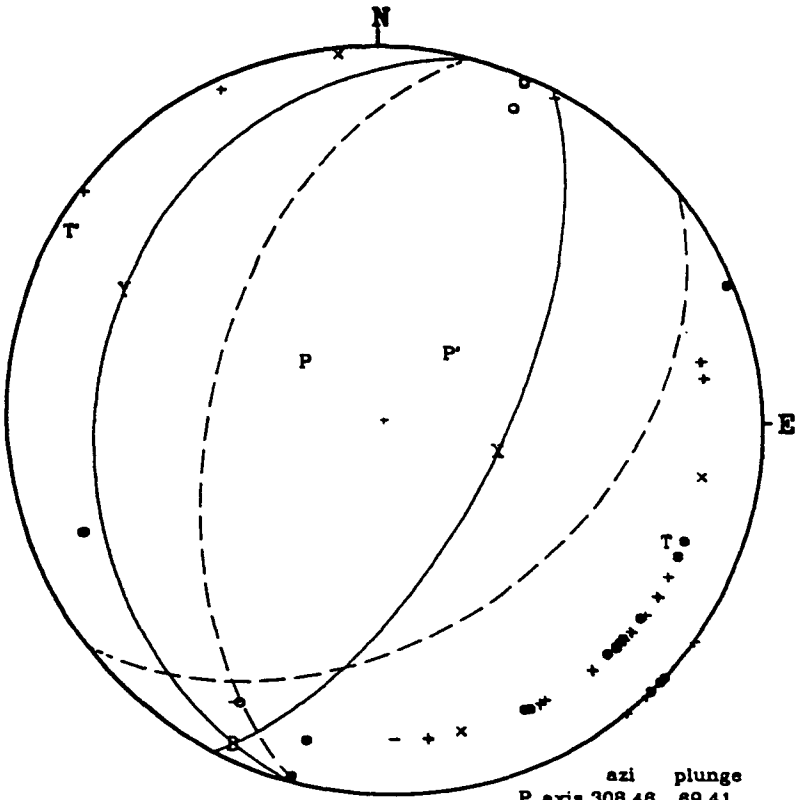


Figure E18. The range of solutions is strike slip. The solutions are sensitive to the depth-of-focus estimate and to the modeled depths of interfaces on which refraction of seismic waves occurs. Because this hypocenter is in the Silent Canyon Caldera, unmodeled volcanic rock velocities differing from those of the average southern Great Basin crust may bias the depth-of-focus estimate.



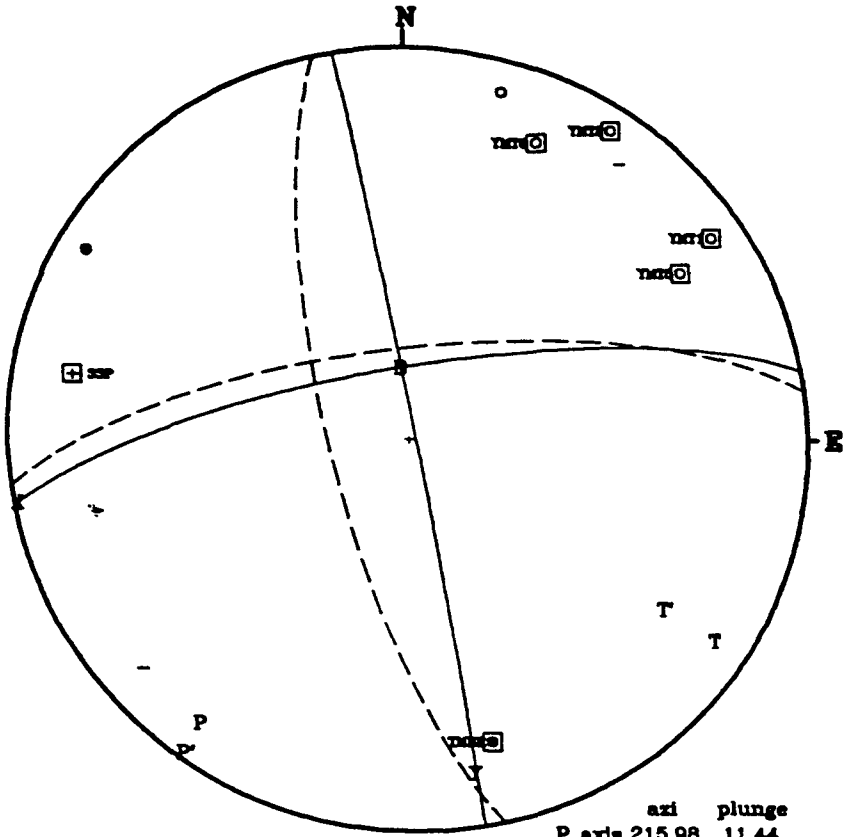
MONTEZUMA PEAK SW
DATE/TIME: 860404 20 9 33.25
LAT: 37.577 LONG: 117.425
DEPTH, km: 1.40 +/- 1.2 ML: 2.3
COMPOSITE WITH 860404 18 44 4.00
860404 20 36 35.31

Shallow-focus earthquakes near Montezuma Peak

	azi	plunge
P axis	308.46	69.41
T axis	113.19	19.92
B axis	205.00	5.00
X axis	104.43	64.54
Y axis	297.33	24.90

	strike	dip	rake
Soln 1	27.33	65.10	-84.49
Soln 2	52.18	43.96	-60.48

Figure E19. The range of solutions is predominantly normal slip on both nodal planes.



TOPOPAH SPRING
DATE/TIME: 860428 8 51 7.13
LAT: 36.947 LONG: 116.358
DEPTH, km: 4.67 +/- 0.8 ML: 0.5

	azi	plunge
P axis	215.98	11.44
T axis	124.02	9.57
B axis	355.00	75.00
X axis	260.17	1.29
Y axis	169.82	14.94

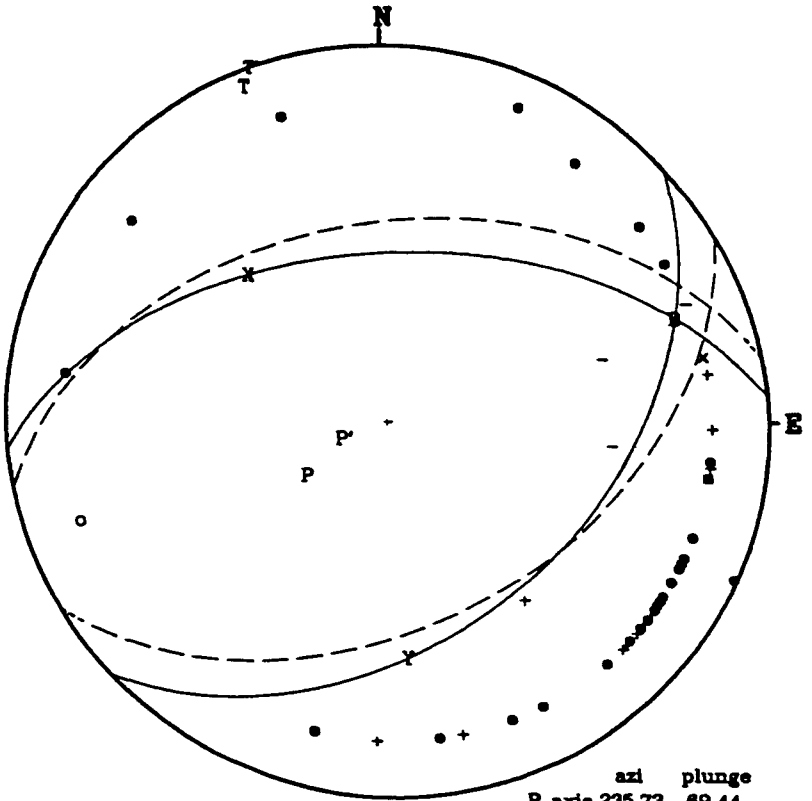
	strike	dip	rake
Soln 1	259.82	75.06	-1.34
Soln 2	262.80	71.10	16.70

Log10(SV/P)

Observed	Theoretical	Difference	Station
0.5614	0.3711	0.1903	TMBR
0.9118	0.6891	0.2277	YMT5
0.4498	0.4535	-0.0045	YMT6
0.7891	0.5916	0.1975	SSP
0.1698	0.4388	-0.2698	YMT1
0.0688	0.2229	-0.1541	YMT2

The rms error for the ratios is 0.194.

Figure E20. The range of solutions is predominantly strike slip. $(SV/P)_z$ amplitude ratio data help constrain these solutions. This focal mechanism was computed in spite of the earthquake's small magnitude because the epicenter is within 10 km of the potential Yucca Mountain repository site.

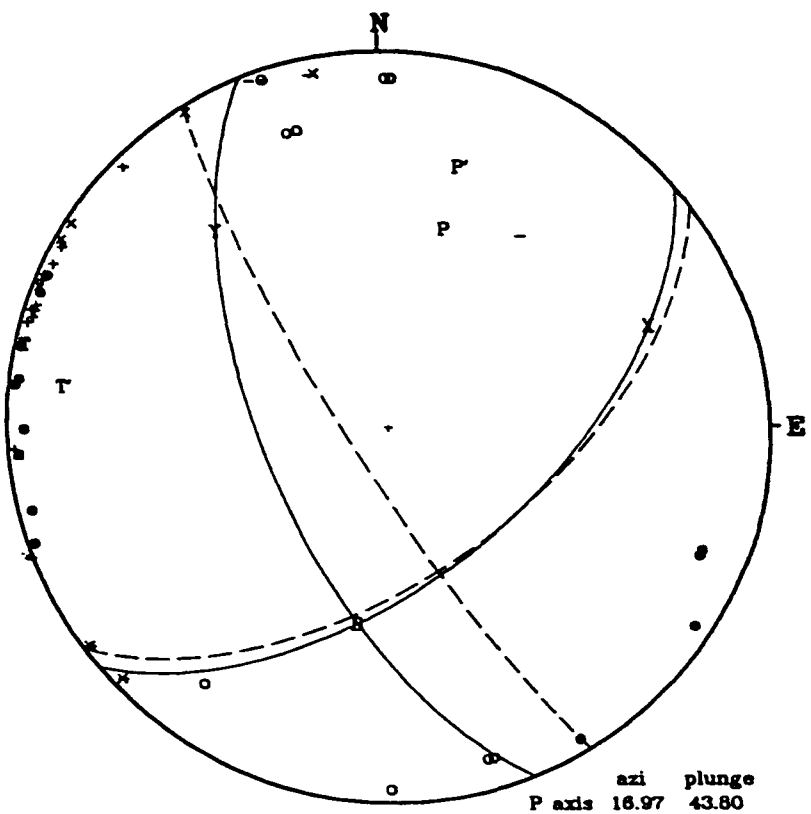


SCOTTYS JUNCTION SW
DATE/TIME: 860604 15 7 38.88
LAT: 37.345 LONG: 117.236
DEPTH, km: 1.49 +/- 0.6 ML: 2.8
Mainshock June. 1986 Gold Min. series

	azi	plunge
P axis	235.73	69.44
T axis	338.28	4.66
B axis	69.98	19.98
X axis	317.85	46.02
Y axis	176.00	37.20

	strike	dip	rake
Soln 1	266.00	52.80	-64.60
Soln 2	259.90	45.90	-76.00

Figure E21. The range of solutions is predominantly normal slip.

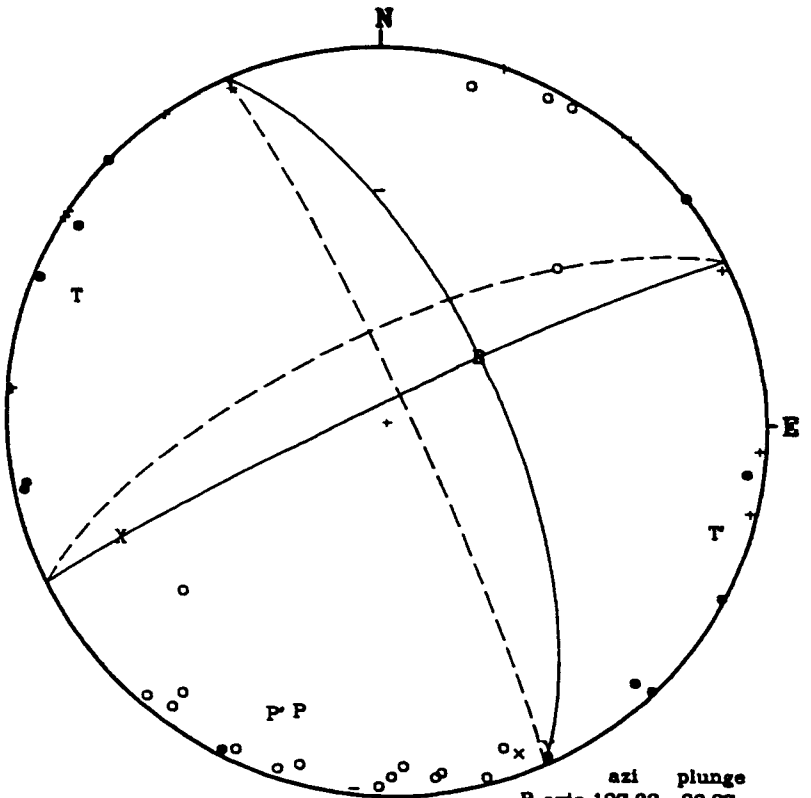


UBEHEBE CRATER
DATE/TIME: 860618 21 7 25.49
LAT: 37.150 LONG: 117.398
DEPTH, km: 7.09 +/- 1.0 ML: 2.3
COMPOSITE WITH 860618 23 3 48.98
Mainshock. On Cal.-Nev. border.

	azi	plunge
P axis	16.97	43.80
T axis	283.58	3.53
B axis	189.92	45.99
X axis	68.88	28.48
Y axis	320.60	32.20

	strike	dip	rake
Soln 1	50.60	57.80	-31.80
Soln 2	54.10	58.30	-9.90

Figure E22. The *solid-line* solution is oblique normal slip, whereas the equally appropriate *dashed-line* solution is mostly strike slip.



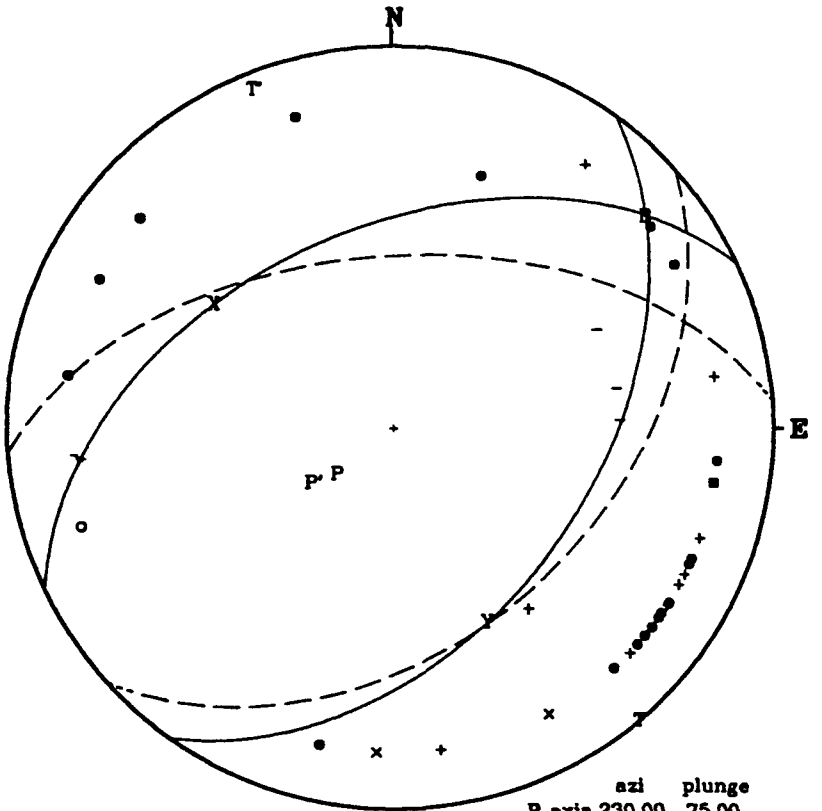
LATHROP WELLS SW
DATE/TIME: 860702 8 10 21.68
LAT: 36.599 LONG: 116.407
DEPTH, km: 5.21 +/- 1.0 ML: 2.6

Striped Hills - Rock Valley.
Probable left-lateral strike slip
on east-northeast trending fault.

	azi	plunge
P axis	197.32	20.27
T axis	292.63	14.06
B axis	55.05	64.97
X axis	246.03	24.63
Y axis	154.10	4.20

	strike	dip	rake
Soln 1	244.10	85.80	-24.70
Soln 2	244.10	70.70	-5.40

Figure E23. The range of solutions is predominantly strike slip.



SCOTTYS JUNCTION SW
DATE/TIME: 860705 14 4 15.75
LAT: 37.339 LONG: 117.243
DEPTH, km: 2.50 +/- 0.5 ML: 2.4

Fixed depth solution - free depth was
essentially at the surface.

	azi	plunge
P axis	230.00	75.00
T axis	140.00	0.00
B axis	50.00	15.00
X axis	305.49	43.08
Y axis	154.51	43.08

	strike	dip	rake
Soln 1	244.51	46.92	-69.25
Soln 2	266.01	52.84	-64.58

Figure E24. The range of solutions is predominantly normal slip. The focal mechanism solution assumed a fixed depth of 2.5 km below sea-level, whereas the free-depth hypocenter location converged near the surface. The surface-focus hypocenter had phase-arrival angles-of-incidence that were inconsistent with any focal mechanism, and was therefore rejected.

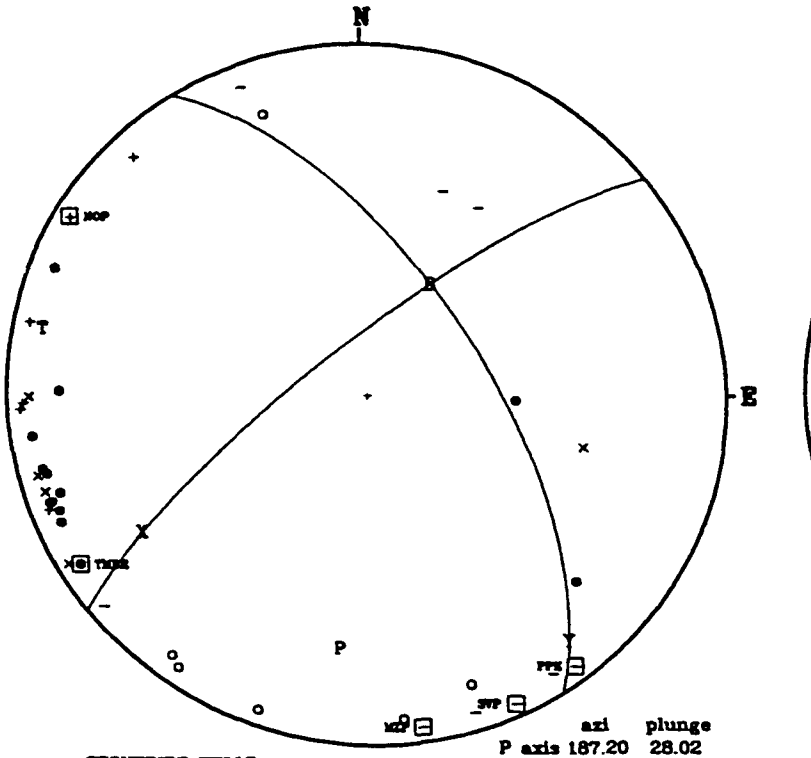


Figure E25. The northwest-trending nodal plane is predominantly right-lateral strike slip, whereas the northeast-trending nodal plane is oblique left-lateral strike slip.

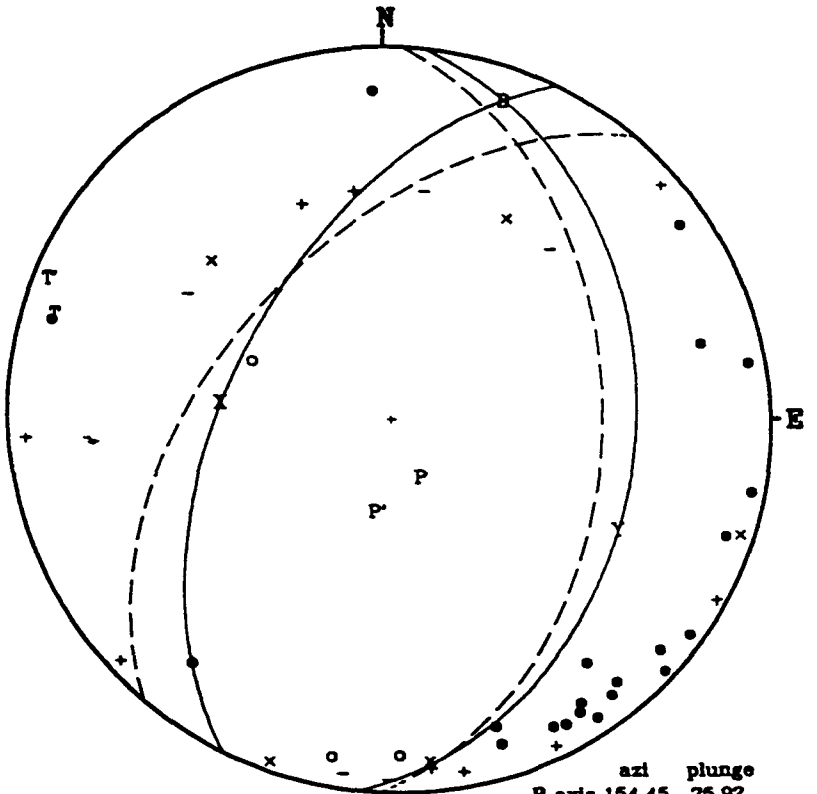


Figure E26. Both nodal planes of this focal mechanism exhibit predominantly normal slip.

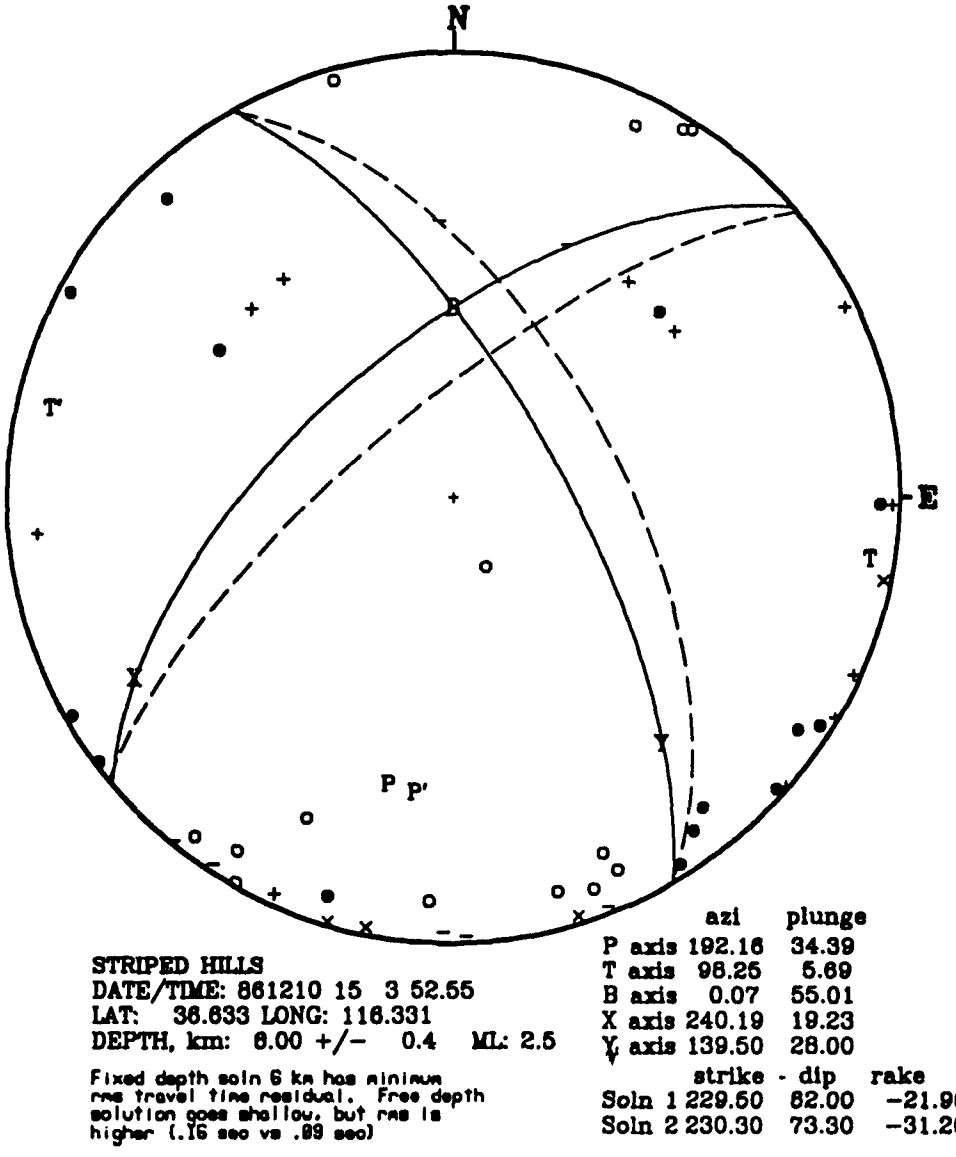


Figure E27. The northeast-trending nodal planes of the indicated range of solutions exhibit predominantly left-lateral strike slip, whereas the northwest-trending nodal planes have oblique right-lateral slip.

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