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CATALOG OF OROVILLE, CALIFORNIA EARTHQUAKES

JUNE 7, 1975 to JULY 31, 1976

by

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Table of Contents

INTRODUCTION

On August 1, 1975, at 2020 GMT a magnitude 5.7 (M_L) earthquake occurred 15 km south of Oroville, California, in the western foothills of the Sierra Nevada. It was preceded by 61 foreshocks that began on June 7, 1975, and was followed by thousands of aftershocks. Several studies have reported locations or analyses of various subsets of the Oroville sequence, including Morrison and others (1975), Savage and others (1975), Lester and others (1975), Toppozada and others (1975), Ryall and others (1975), Bufe and others (1976), Morrison and others (1976), and Lahr and others (1976). In this report arrival time data have been compiled from the original records at several institutions to produce a single catalog of the Oroville sequence from June 7, 1975, through July 31, 1976. This study has four objectives:

(1) to compile a list of earthquakes in the Oroville sequence that is as complete as possible above the minimum magnitude threshold of approximately 1.0;
(2) to determine accurate and uniform hypocentral coordinates for the earthquakes;
(3) to determine reliable and consistent magnitude values for the sequence; and
(4) to provide a statistically uniform basis for further investigation of the physical processes involved in the Oroville sequence as revealed by the parameters of the foreshocks and aftershocks.

The basis and procedures for the data analysis are described in this report.

SEISMOGRAPH STATIONS

During the Oroville earthquake sequence, major changes occurred in the seismograph station coverage of the source area. In this study, arrival time data were used from the stations operated in the Oroville area by the California Department of Water Resources (DWR) (3 stations throughout the sequence, 2 portables during July and August, 1975), Woodward-Clyde Consultants (WCC) (4 stations, August 2-30, 1975), and the U.S. Geological Survey (USGS) (10 to 16 stations, August 6, 1975 - July 31, 1976). For larger events, these readings are sometimes supplemented by arrival times from regional stations recorded by DWR and operated by the University of California at Berkeley (stations WDC and MIN) and by the University of Nevada, Reno (stations NRR and HBT). Data on all stations are listed in Table 2; station locations are shown on the maps in Figures 1a and 1b. The period of study carried out by each agency is shown in Figure 2. All stations (except ORV LP) are short-period high-gain seismographs. Typical response curves for each type of instrument are shown in Figure 3. The four Sprengnether MEQ-800 smoked-paper recorders operated by WCC have similar amplitude response to that of the USGS instruments.

Data collection procedures for the DWR and WC data are described in Morrison and others (1975) and Savage and others (1975), respectively. Data from the USGS stations were recorded locally on an analog tape recorder between August 6 and September 7. After that time, the data were telemetered to Menlo Park and were recorded both on magnetic tape and on 16 mm Develocorder film as part of the USGS data collection program in central California (Eaton, 1975, 1977). P- and S-wave arrival times were read from analog

playbacks of the data on magnetic tape or, when playbacks were not available, arrival times were read from the Develocorder films. USGS, DWR, and WCC personnel read arrival times as shown in Figure 2; all coda lengths were read by USGS personnel.

EVENT SELECTION

This section describes the selection and processing of individual earthquakes for the Oroville sequence catalog. Table 1 summarizes the processing procedure.

Earthquakes were initially selected for processing on the basis of coda length from continuous paper-drum records of station ORV. When these records were not available, 16 mm Geotech Develocorder films were continuously scanned. (The coda length is defined here as the time interval, in seconds, from the onset of the S wave to the time the peak to peak amplitude falls below 1.0 cm, when read from 16 mm film on a 20x magnification viewer.) A minimum coda length was established (Table 3), above which every effort was made to make the catalog complete. This was 1 second ($M_L \sim 0.6$) for the foreshock period, June 7 to-August 1, 1975. Due to the vast number of small earthquakes that occurred during the first few weeks following the main event, the minimum coda length was 20 seconds ($M_L \sim 1.2$) for the month of August, 15 seconds ($M_L \sim 1.1$) for September and October, and 10 seconds ($M_L \sim 1$) for the last 9 months of the aftershock sequence (November 1975-July 1976). The data set is estimated to be essentially complete (95-99%) above these cutoff values, except for the periods immediately following larger ($M_L > 3.5$)

events, when saturated instruments make the detection of all small events impossible. Events that occurred while the daily paper or film records were being changed may also have been missed. Approximately five minutes of data were missed each day because of this. Many earthquakes smaller than the minimum magnitude have been included in the data, but no completeness is implied below the stated limits.

Location Procedure

The computer program HYPOELLIPSE (Lahr and others, 1978) was used to calculate origin time, hypocentral location, and magnitude for each event. A simple velocity model was used, consisting of a horizontal layer of thickness 1.0 km and velocity 4.0 km/sec over a half-space of 5.9 km/sec, with a Vp/Vs ratio of 1.7. Arrival times were systematically late at Sacramento Valley sites because of the thick Cretaceous sediments that underly these stations. To compensate for the delays, small station corrections (listed in Table 2) were used. In addition, for stations operating prior to August 6, small corrections were determined by taking the average residual, at these stations, for a set of well-located earthquakes later in the sequence. This has the effect of minimizing systematic shifts in the earthquake locations due to the large change on August 6 in the number of stations used.

Hypo-Central Quality

The depth is generally the least well determined parameter of an earthquake location. Thus, one measure of the solution quality is the standard

error assigned to the depth estimate (ERZ in Table 4). The solutions were also graded qualitatively as A, B, C, or D (column Q in Table 4). (See Lahr et al., 1978, for a discussion of these quality assignments.)

As the number of local stations varied by almost an order of magnitude during the sequence, the uncertainties associated with the hypo-central coordinates varied considerably also.

7 June - 2 August, 1975:

Arrival times from the three local stations operated by DWR form the bulk of the data during this period. For small foreshocks, S arrival times were included whenever possible. For large events ($M > 2.5$), arrival times from regional stations ($\Delta > 100$ km) were sometimes used. This unavoidably resulted in a heterogeneous data set whose relative errors are often large, and whose average errors are two km or greater (see the first few pages of Table 4). During the foreshock period the situation is somewhat better, both because a great deal of attention was spent on the locations and because the events are all in about the same place (Lindh and others, 1978). The hypocenters listed for the early aftershocks must, however, be treated with some caution. In particular, depth control for the shallower events is often very poor.

1700 GMT; 2 August - 6 August, 1975:

On August 2, Woodward-Clyde Consultants began installing portable seismograph stations in the epicentral area near Palermo; this resulted in greatly improved hypocentral control during the next few days, with 1 km a representative uncertainty.

6 August, 1975 - 31 July, 1976:

On August 6, the USGS completed installation of and began recording 13 seismographs in the area; at least 10 USGS stations continued in operation throughout the sequence. The large number of stations available resulted in so many arrivals being timed for each earthquake (usually 15 or more) that the calculated uncertainties, even in depth, are of the order of 1 km or less. This is likely a fair measure of the relative uncertainty, as many of the cross-sections plotted in Figures 9-24 have a well-resolved fault plane of about 1 km width. Shear arrivals were used whenever possible. They were generally of good quality for events smaller than magnitude two (Figure 4).

MAGNITUDES

For most Oroville events, local magnitude (M_L) was calculated from the event's coda length, τ, by procedures discussed in Bakun and Lindh (1977). Codas were read from 16 mm Develocorder films (as described in Event Selection) or from paper playbacks of analog magnetic tape recordings.

From June 28 to August 15, most magnitudes were calculated from the coda length at station ORV, with the relation

$$M_L = .60 + .25 (\log_{10}\tau_{ORV})^3 \qquad \text{(Relation 1.)}$$

Relation 1 was determined from the data shown in Figure 6. When the ORV coda was obscured, the coda was read from station ORV long-period. When the long-period coda was less than or equal to 30 seconds, it was converted to the equivalent short-period coda from the LP-SP plot shown in Figure 5, and magnitude was calculated from Relation 1. When the long-period coda was between 30 seconds and 1000 seconds, magnitude was calculated from the relation (Bakun and Lindh, 1977)

$$M_L = 0.31 + 1.76 \log_{10}\tau_{ORV\ LP} \qquad \text{(Relation 2.)}$$

From August 15 to the end of the sequence, coda lengths were read from the USGS stations listed in Figure 2. To compensate for differences in average coda length from station to station, the coda length at each station was multiplied by a correction factor; these factors range from 0.8 to 1.4 and are listed in Table 2.

From the corrected coda length, a separate magnitude was calculated for each station from one of the following relations (Bakun and Lindh, 1977):

When the corrected coda was less than 30 seconds,

$$M_L = 0.28 + 0.71 \log_{10}\tau_{USGS} \qquad \text{(Relation 3.)}$$

When the corrected coda was greater than 30 seconds,

$$M_L = -3.59 + 3.32 \log_{10}\tau_{USGS} \qquad \text{(Relation 4.)}$$

These individual station magnitudes were then averaged to obtain the magnitude of the event.

MULTIPLE EVENTS

This section describes the special procedures that are necessary to find the locations and magnitudes of multiple events. A multiple event is two or more events that occur at nearly the same time so that part or all of the events' coda lengths overlap. In the Oroville sequence, most multiple events occurred in the two-day period immediately after the main event. Particular care was taken to identify multiple events and to separate them for processing, but because they sometimes occurred when instruments were already saturated, some multiple events were missed.

Because of overlapping coda lengths, the magnitudes of individual events within a multiple event were difficult to determine. Separate codas could be read for some multiple events when viewed on ORV LP film; magnitudes for these events were calculated in the following manner.

When $\tau_{ORV\ LP} \lesssim$ 30 seconds, an equivalent short-period coda was found from a plot of SP vs LP coda (Figure 5) and magnitude was calculated from Relation 1. These events are designated by a "P" in column S of Table 4.

When 30 seconds $\lesssim \tau_{ORV\ LP} \lesssim$ 1000 seconds, magnitudes were calculated directly from Relation 2. These events are designated by an "L" in column S of Table 4.

Some multiple events' coda lengths could not be separated, therefore magnitudes for them could not be calculated by our methods. For the last foreshock, the main event, the two immediate aftershocks, and two events on August 2, amplitude-based magnitudes were obtained from Morrison and others (1975). These events are designated by a "W" in column S of Table 4. For other inseparable multiple events, the total coda length of the multiple event was treated as a single coda length, and magnitude was found from Relation 1 or 2. These events are designated by an "M" in column S of Table 4.

The procedure for determining an individual event's hypocentral location depended on the event's position within the multiple. If the event was first, its arrivals were read and its location found by the method described in Event Selection. If the event was subsequent, its arrivals were often obscured by the preceding event's coda and the event was assigned the location of the timed event immediately preceding it. Events with assigned locations are designated by an "F" in column Q of Table 4. Events for which a hypocenter could not be calculated or assigned are designated by an "X" in column Q of Table 4.

DISCUSSION

The primary product of this study is the catalog of origin times, hypocentral coordinates, and magnitude for the 13 months of Oroville sequence data (Table 4). Figure 7 shows the decay with time of the number of

aftershocks. Figures 8 through 24 show epicentral plots and cross-sections for various time periods during the interval studied.

Events occurred in distinct zones, with some correlation between location and time of occurrence. The main fault plane is a single planar feature, striking N 10° E and dipping 60° to the west (Figures 8-24), and no more than 1 km wide. The foreshocks occurred on the main fault plane at a depth of 7-8 km, within a small volume, no more than 2 km in diameter. It appears that their epicenters may have migrated southward within this volume prior to the main event. The main event initiated at the southern end of the main fault plane just south (1 km) of the last foreshock locations.

Aftershocks occurred in three areas: the main fault plane, a northern fault plane, and a southern zone. Those that occurred in the area of the main fault plane were located around its outer perimeter, with the central region almost totally devoid of aftershocks. The northern fault plane, which appears to be a single planar feature of 1-2 km width striking due north and dipping 80°-90°, first appeared a week after the main event. Many large aftershocks were located on this segment, and at the point at which it intersects the main fault plane. The site of the greatest amount of aftershock activity was the southern zone, composed of either a large number of subparallel fault planes, or of events distributed throughout a three-dimensional volume.

Acknowledgements

We thank Paul Morrison and Dave Kessler of the California Department of Water Resources for providing many of the arrival times in this catalogue and for supplying the Develocorder films from DWR stations. We are grateful to Bill Bakun, and Fred Klein for reviewing the manuscript and for making many valuable suggestions. Gene Taylor, Al Vaughn, Herb Mills and Tom Burdette installed and maintained the USGS stations that provided the bulk of the data for this study, and they were directly responsible for the excellent performance of the stations throughout the sequence. We also thank Jeanne Taylor, Bob Somera, and Juan Richardson for making the playbacks, and Grover Buhr for drafting.

REFERENCES

Bakun, W. H., and Dratler, J., Jr., (1976). Empirical transfer functions for stations in the central California seismological network, U.S. Geological Survey Open-File Report 76-259.

Bakun, W. H., and Lindh, A. G., (1977). Local magnitudes, seismic moments and coda durations for earthquakes near Oroville, California, Seismological Society of America Bulletin, 67, 615-629.

Bufe, C. G., Lester, F. W., Lahr, K. M., Lahr, J. C., Seekins, L. C., and Hanks, T. C., (1976), Oroville earthquakes: Normal faulting in the Sierra Nevada foothills, Science, 192, 72-74.

Clark, M. M., Sharp, R. V., Castle, R. O., and Harsh, P. W., (1976). Surface faulting near Lake Oroville, California in August 1975, Bulletin of the Seismological Society of America, 66, 1101-1110.

Eaton, J. P., (1975). Harmonic magnification of the complete telemetered seismic system, from seismometer to film viewer screen, U.S. Geological Survey Open-file Report No. 75-99.

Eaton, J. P., (1977). Frequency response of the U.S. Geological Survey short period telemetered seismic system and its suitability for network studies of local earthquakes, U.S. Geological Survey Open-file Report No. 77-844.

Koyanagi, R. Y., Stevenson, P., Endo, E. T., and Okamura, A. T. (1978). Hawaiian Volcano Observatory, Summary 74, January to December 1974, U.S. Geological Survey Open-File Report.

Lahr, J. C., Klein, F., and Ward, P., (in preparation). HYPOELLIPSE: A computer program for determining local earthquake hypocentral parameters, magnitude and first motion pattern, U.S. Geological Survey Open-file Report.

Lahr, K. M., Lahr, J. C., Lindh, A. G., Bufe, C. G., and Lester, F. W., (1976). The August 1975 Oroville earthquake, Seismological Society of America Bulletin, 66, 1085-1099.

Lester, F. W., Bufe, C. G., Lahr, K. M., and Stewart, S. W., (1975). Aftershocks of the Oroville earthquakes of August 1, 1975, in California Division of Mines and Geology Special Report 124, R. W. Sherburne and C. J. Haughe, editors, 131-138.

Lindh, A. G., Fuis, G., and Mantis, C. E., (1978). Seismic amplitude measurements suggest foreshocks have different focal mechanisms than aftershocks: Science, 201, 56-59.

Morrison, P. W., Jr., Stump, B. W., and Uhrhammer, R., (1975). The Oroville earthquake sequence of August 1975, in Oroville, California, earthquake, 1 August 1975, California Division of Mines and Geology Special Report 124, 147-151.

Morrison, P. W., Jr., Stump, B. W., and Uhrhammer, R., (1976). The Oroville earthquake sequence of August 1975, Bulletin of the Seismological Society of America, 66, 1065-1084.

Ryall, A., and Van Wormer, J. D., (1975). Field-seismic investigation of the Oroville, California earthquakes of August 1975, California Division of Mines and Geology Special Report 124, 139-146.

Savage, W. V., Tocher, D., and Birkhahn, P. C., (1975). Micro-aftershock study of the Oroville, California, earthquake sequence of August 1975, California Division of Mines and Geology Special Report 124, 123-130.

Toppozada, T. R., Wells, W. M., Power, J. H., and Hanks, T. C., (1975). Strong motion accelerograms of the aftershocks, California Division of Mines and Geology Special Report 124, 101-108.

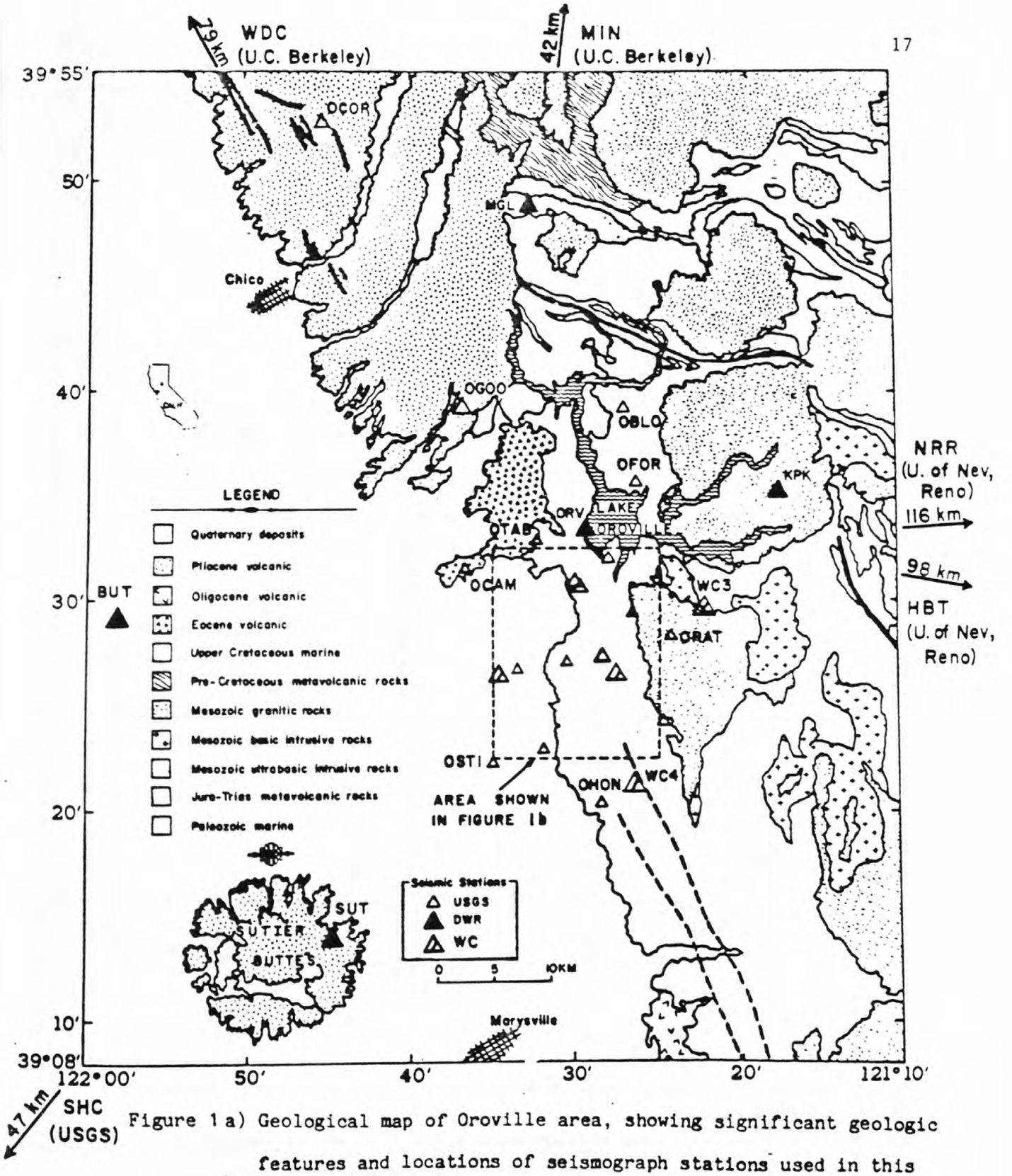

Figure 1 a) Geological map of Oroville area, showing significant geologic features and locations of seismograph stations used in this study. Arrows in margin indicate direction and distance from map edge to station named.

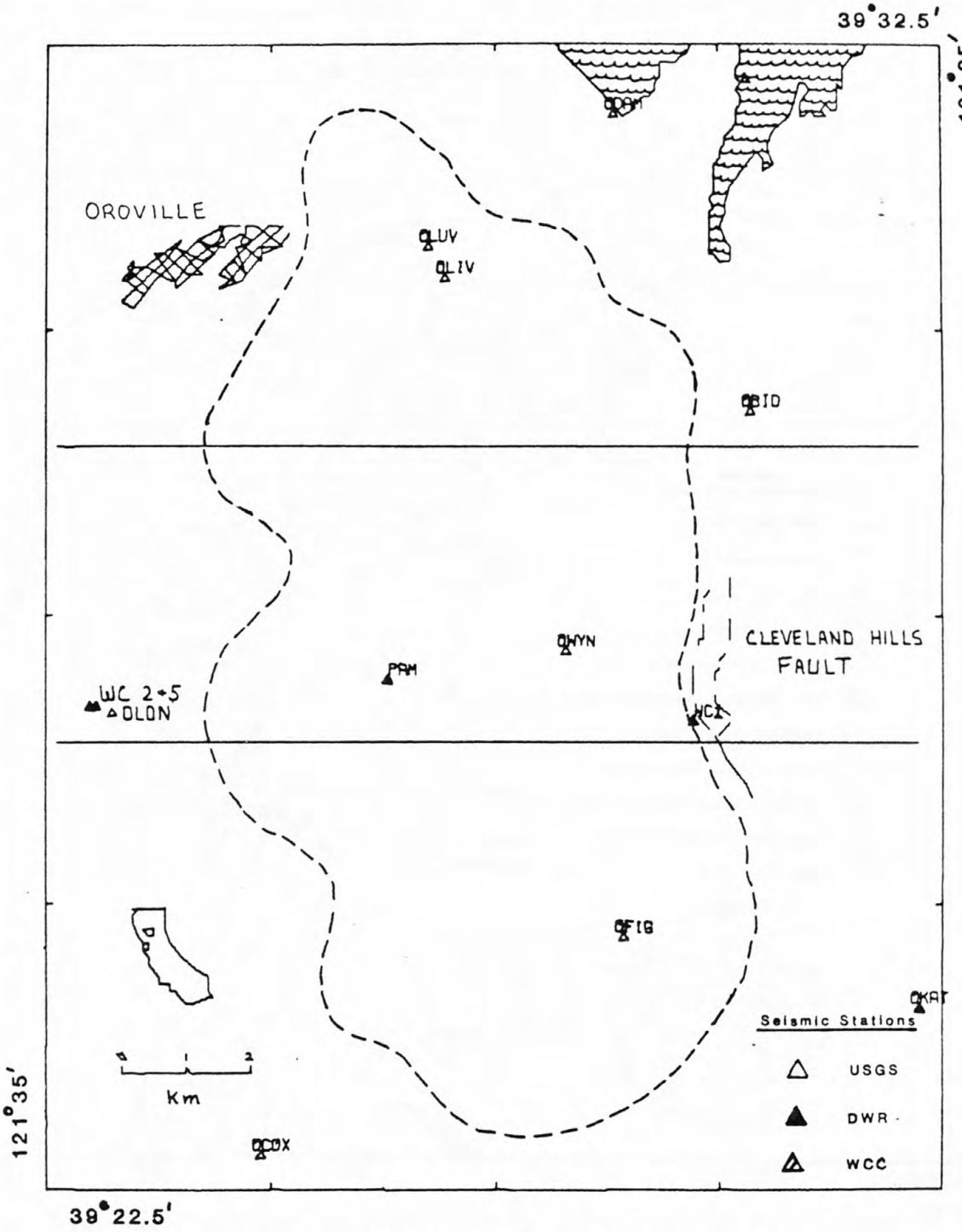

Figure 1b) Detail of dashed window in Figure 1a, showing locations of U.S.G.S., D.W.R. and W. C. C. stations within that area. Dashed line encloses area defined by aftershocks. Faulting from Clark and others (1976).

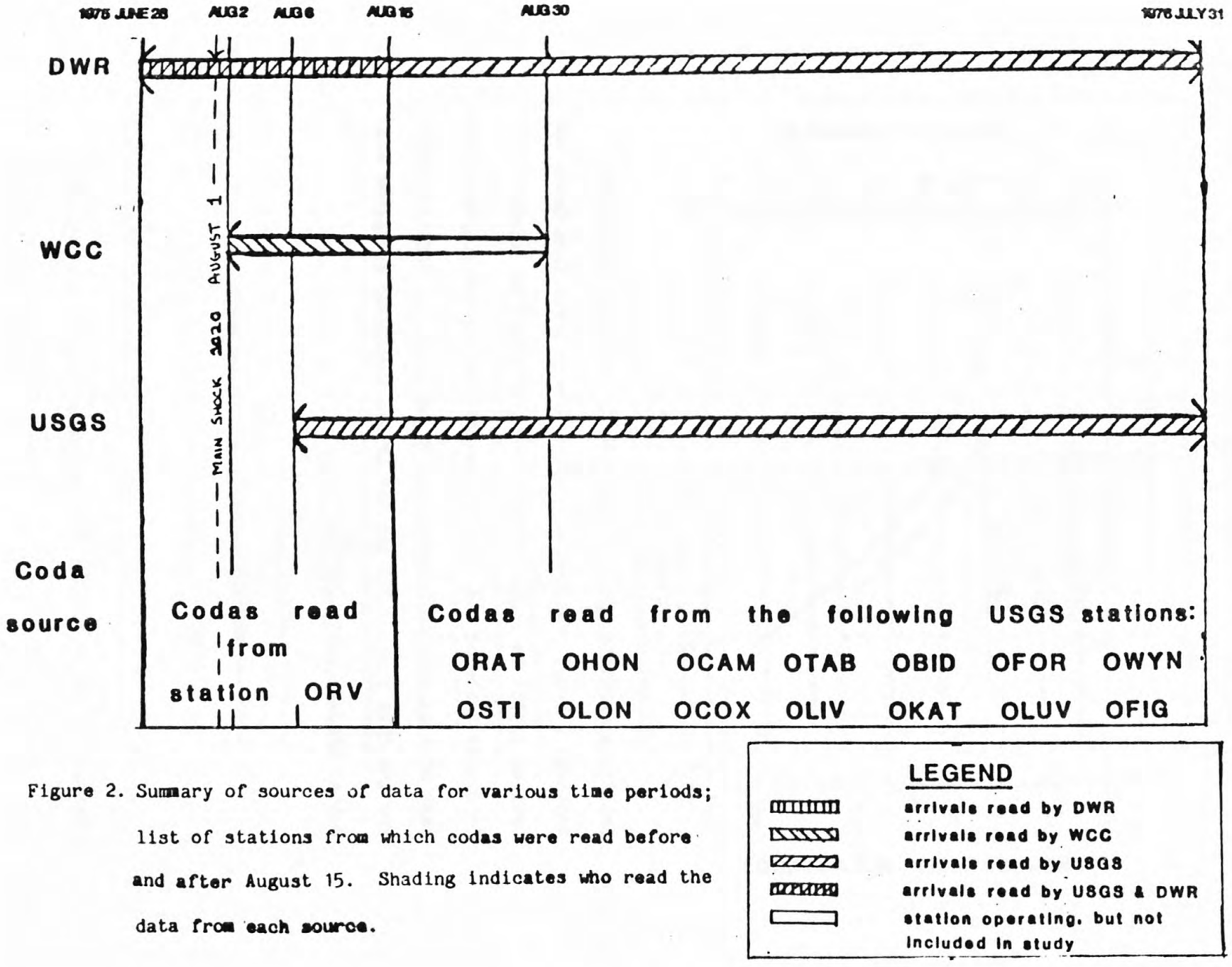

Figure 2. Summary of sources of data for various time periods; list of stations from which codas were read before and after August 15. Shading indicates who read the data from each source.

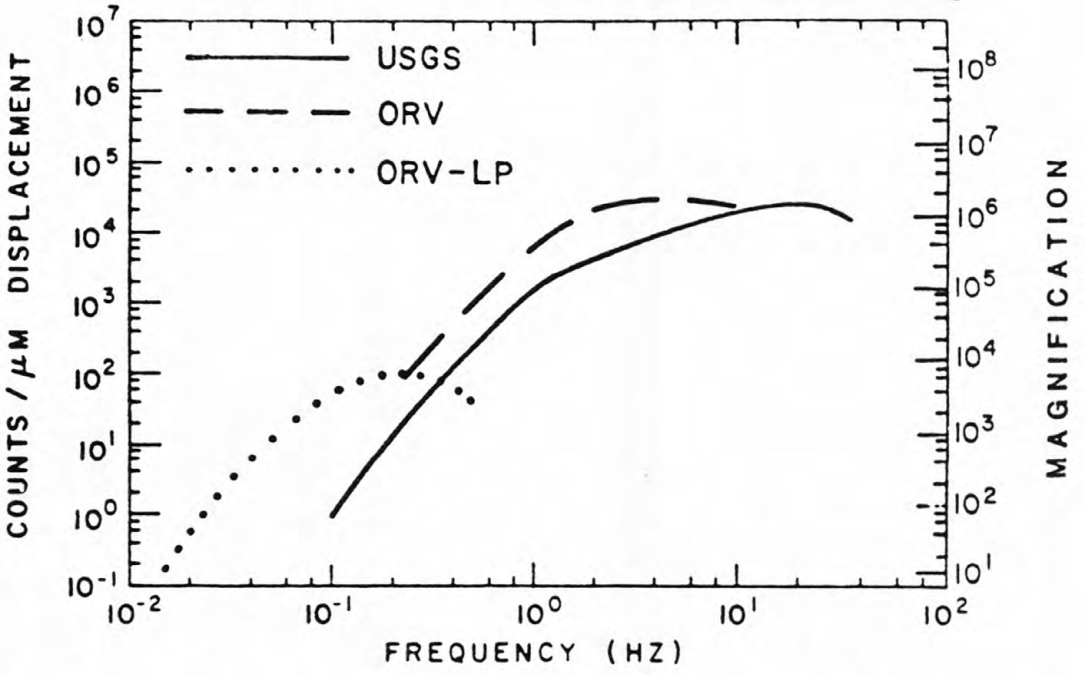

Figure 3. Amplitude response for a typical (12-dB amplifier attenuator setting) U.S.G.S. seismograph (solid trace) taken from Bakun and Dratler (1976) in units of digitizer increments per micron (ordinate scale on the left) and magnification for playback from tape at 1 cm/volt (ordinate scale on the right). Magnification for the CDWR station ORV and ORV LP are displayed as dashed and dotted traces, respectively.

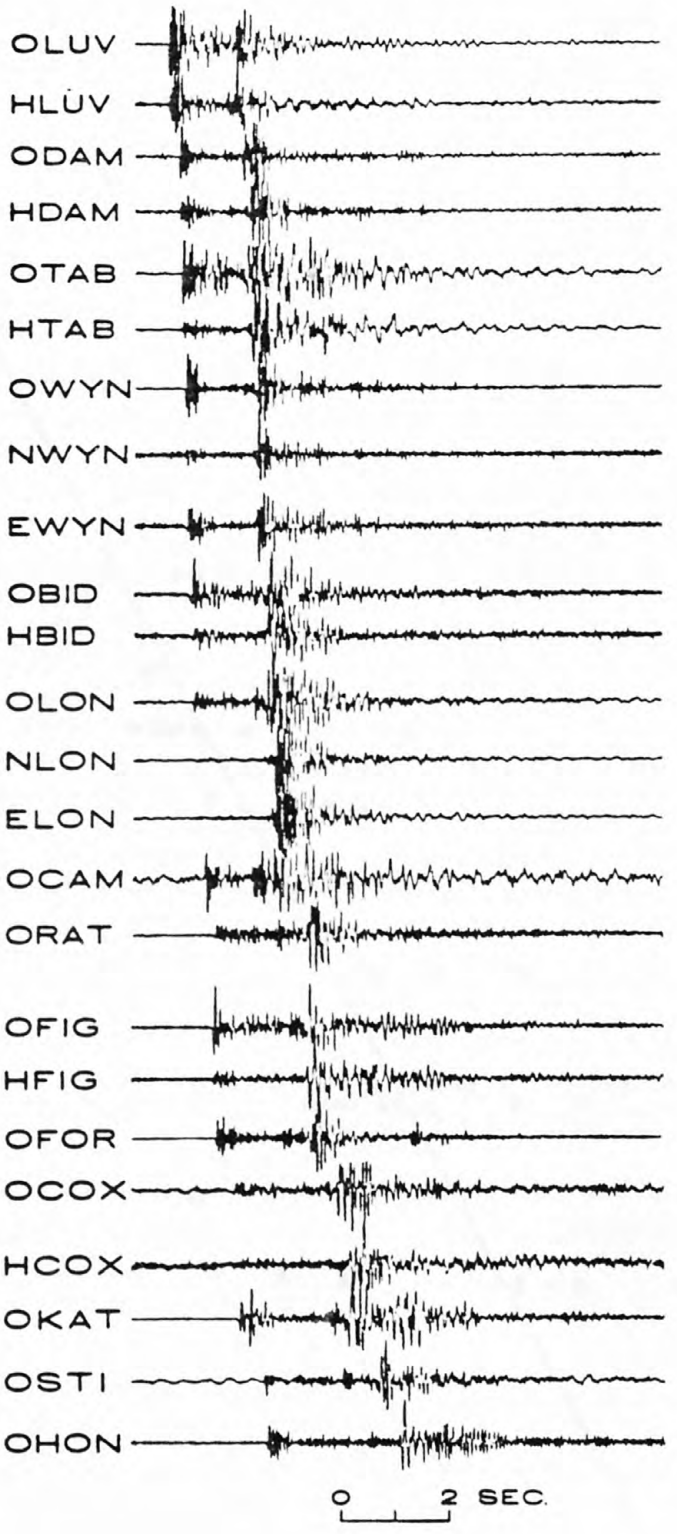

Figure 4. Typical wave forms at USGS stations at Oroville.

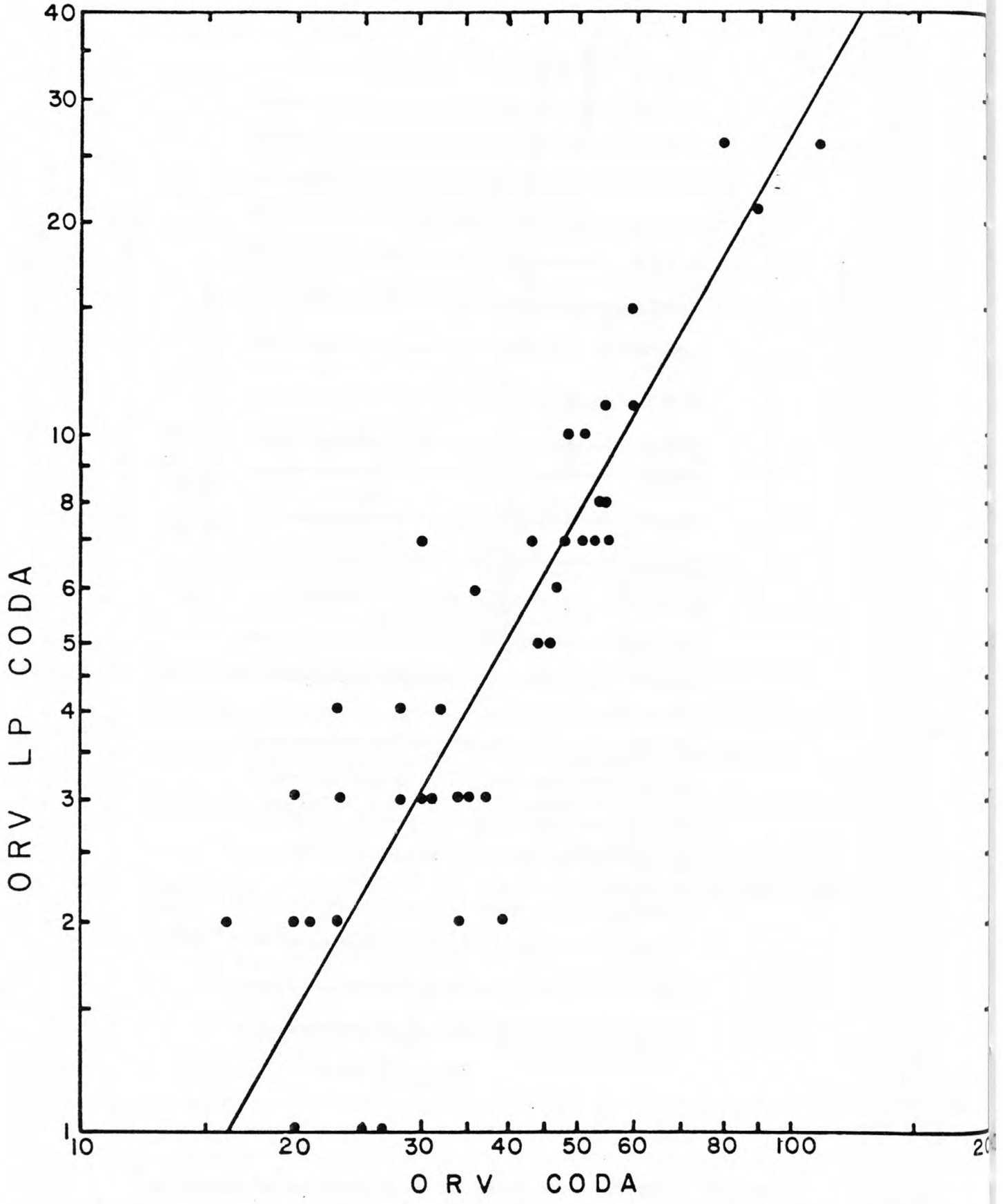

Figure 5. Coda lengths of a sample of local events at station ORV plotted versus coda lengths of same event at station ORV LP (log/log scale).

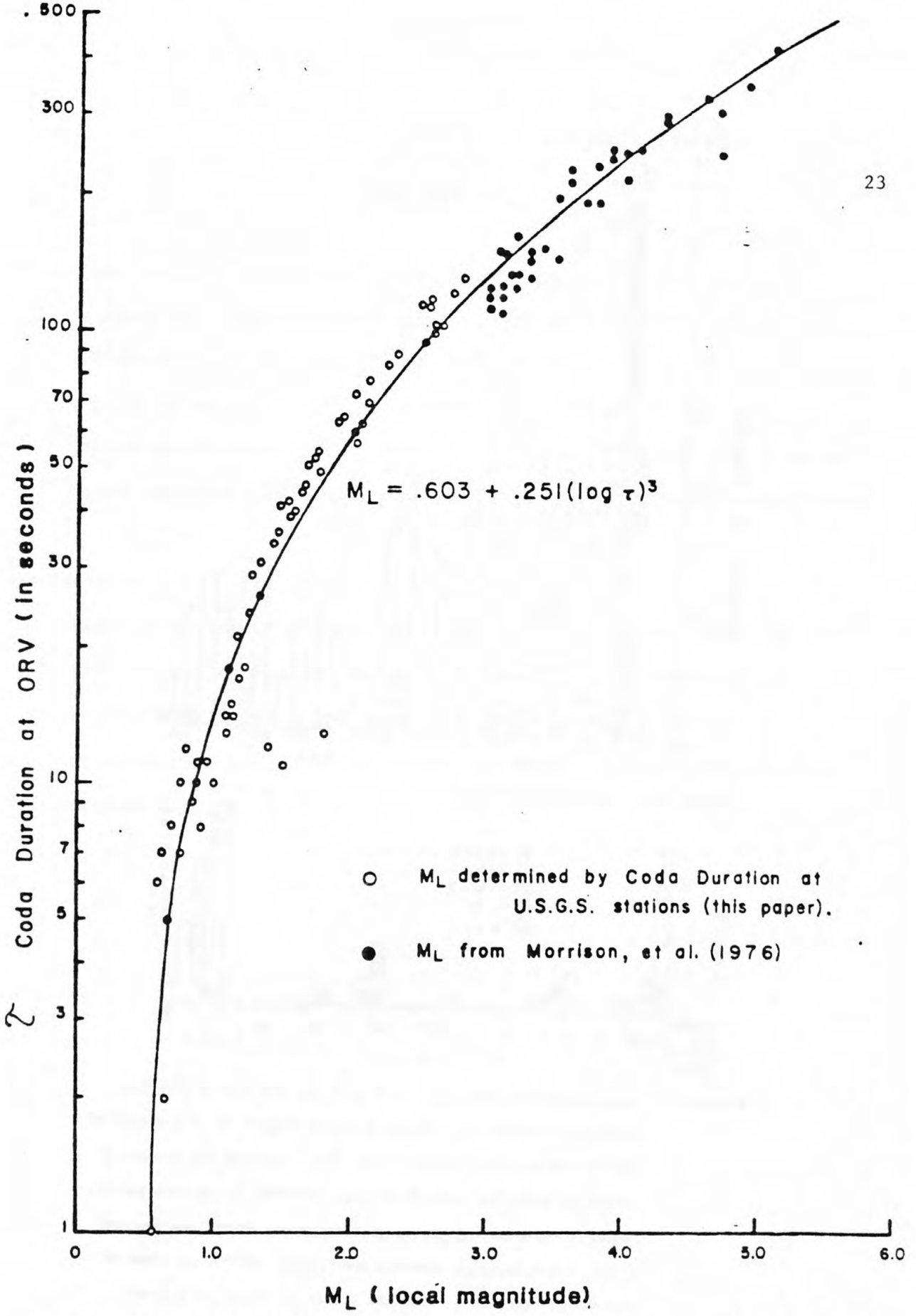

Figure 6. Plot of magnitude (M_L) vs. coda (τ) for a sample of Oroville events. The resulting curve is described by the relation $M_L = .603 + .251 (\log \tau)^3$.

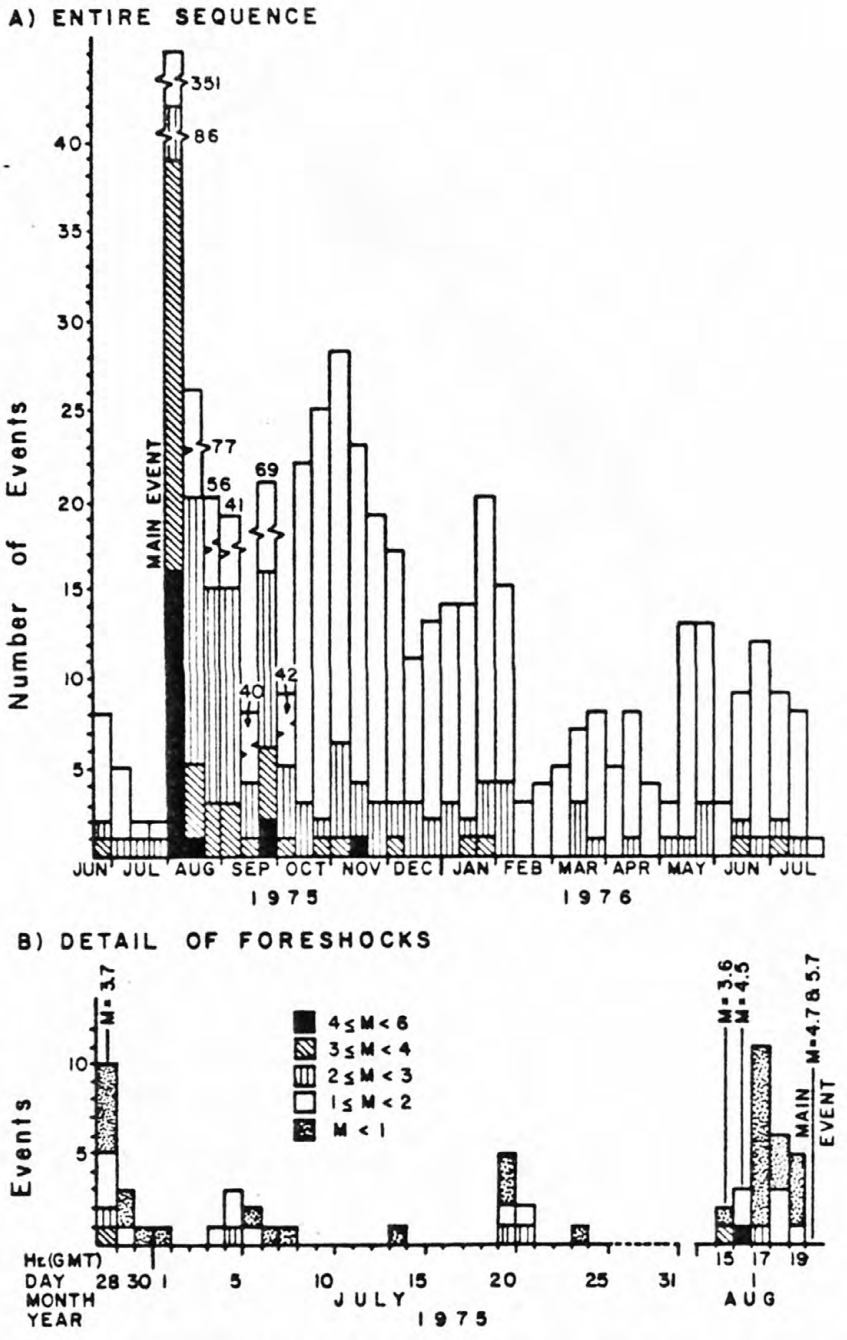

Figure 7. Time magnitude histogram. In Figure 7a, the entire Oroville sequence is broken into 10 day preiods; Figure 7b is a detail of the foreshocks, in 1 day periods. Bars indicate the number of events of each magnitude (0-6) that occurred during each period. Segments representing the largest magnitude events are plotted first, and subsequent segments are plotted on top, in order of decreasing magnitude. When the number of events of a given magnitude exceeds the size of the plot, the number of events of that magnitude is written inside the bar and the size of the bar is irrelevant.

Figures 8 - 24

Maps: Maps show locations, magnitudes, and depths of events. Plotted numbers (0-9) are depths of events in kilometers; letters indicate depths of 10 km or more (A = 10 to 11 km, B = 11 to 12, C = 12 to 13, D = 13 to 14, and X = 14 km). The size of the number plotted indicates the magnitude of the event (see key in Figure 9a). Maps and cross sections marked "A + B solutions" show well located events only.

Cross Sections:

Maps are divided into three sections: south (S), middle (M), and north (N). Cross sections of each of these sections follow the map of monthly activity. Y-axis is depth in kilometers; X-axis is the distance from western map edge in kilometers. Key in Figure 9b lists symbols and the magnitudes they represent.

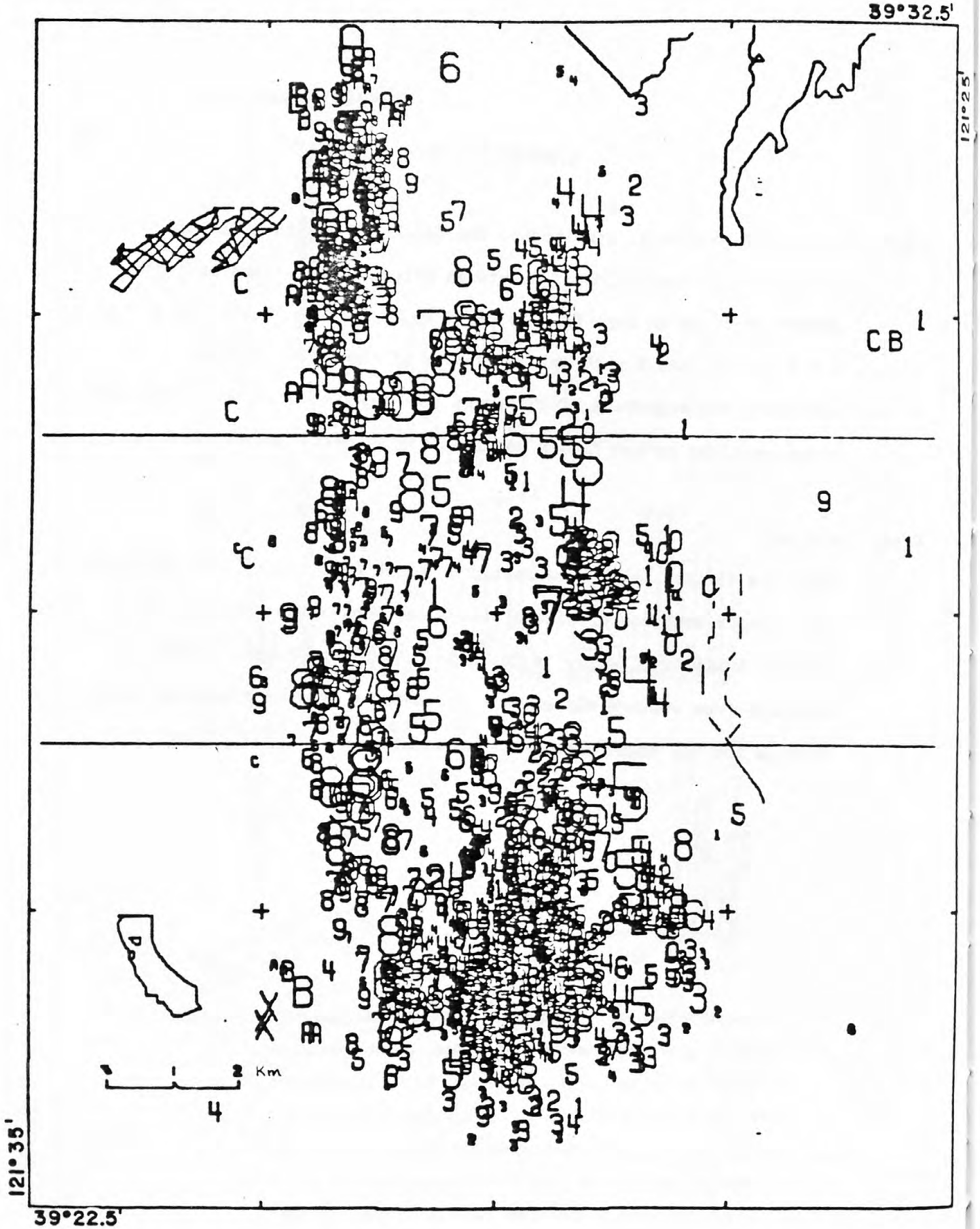

FIGURE 8 A OROVILLE EARTHQUAKES

JUNE 1975-JULY 1976

NUMBER PLOTTED IS DEPTH (KM)

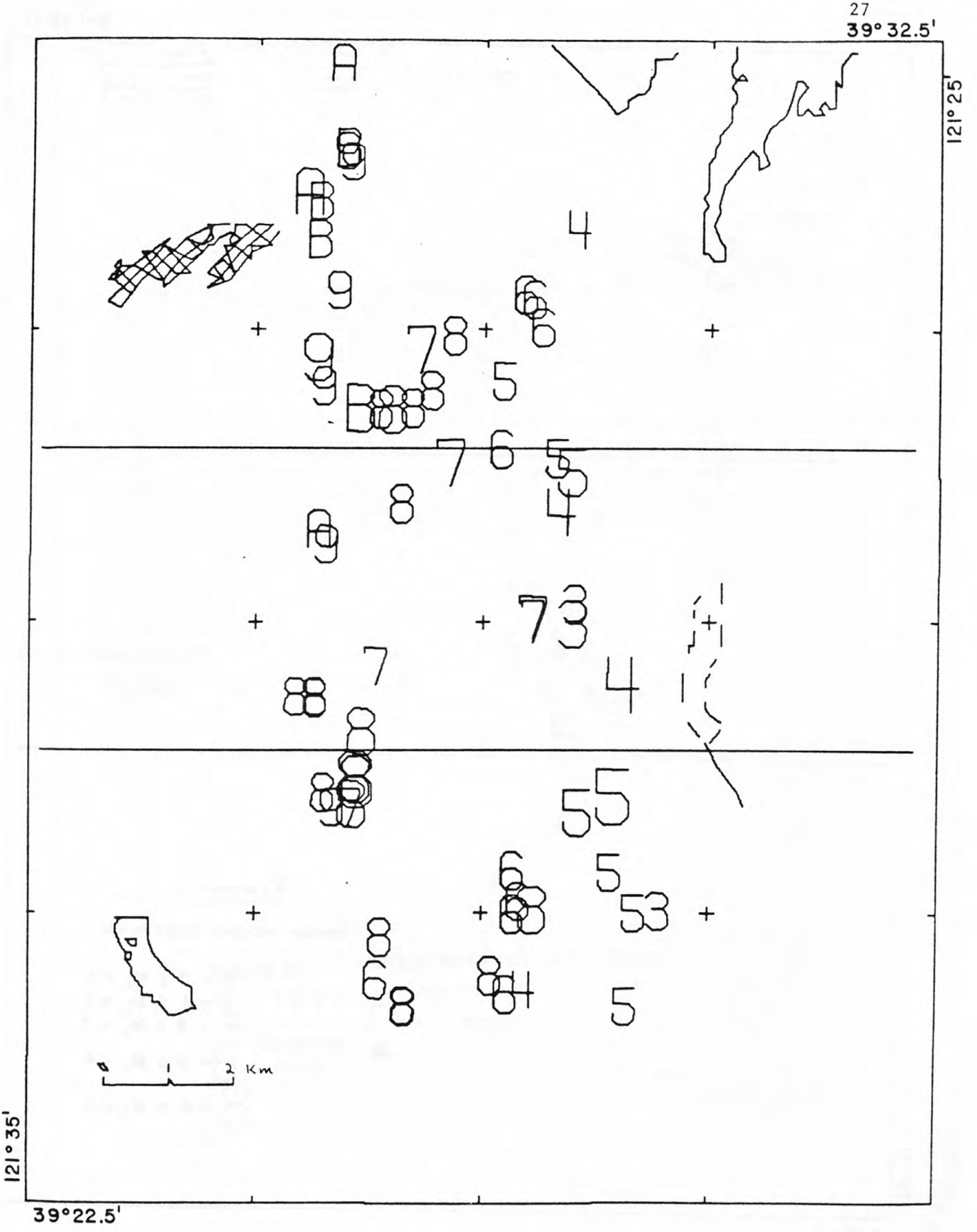

FIGURE 8 B OROVILLE. M ≥ 3

JUNE 1975-JULY 1976

NUMBER PLOTTED IS DEPTH (KM)

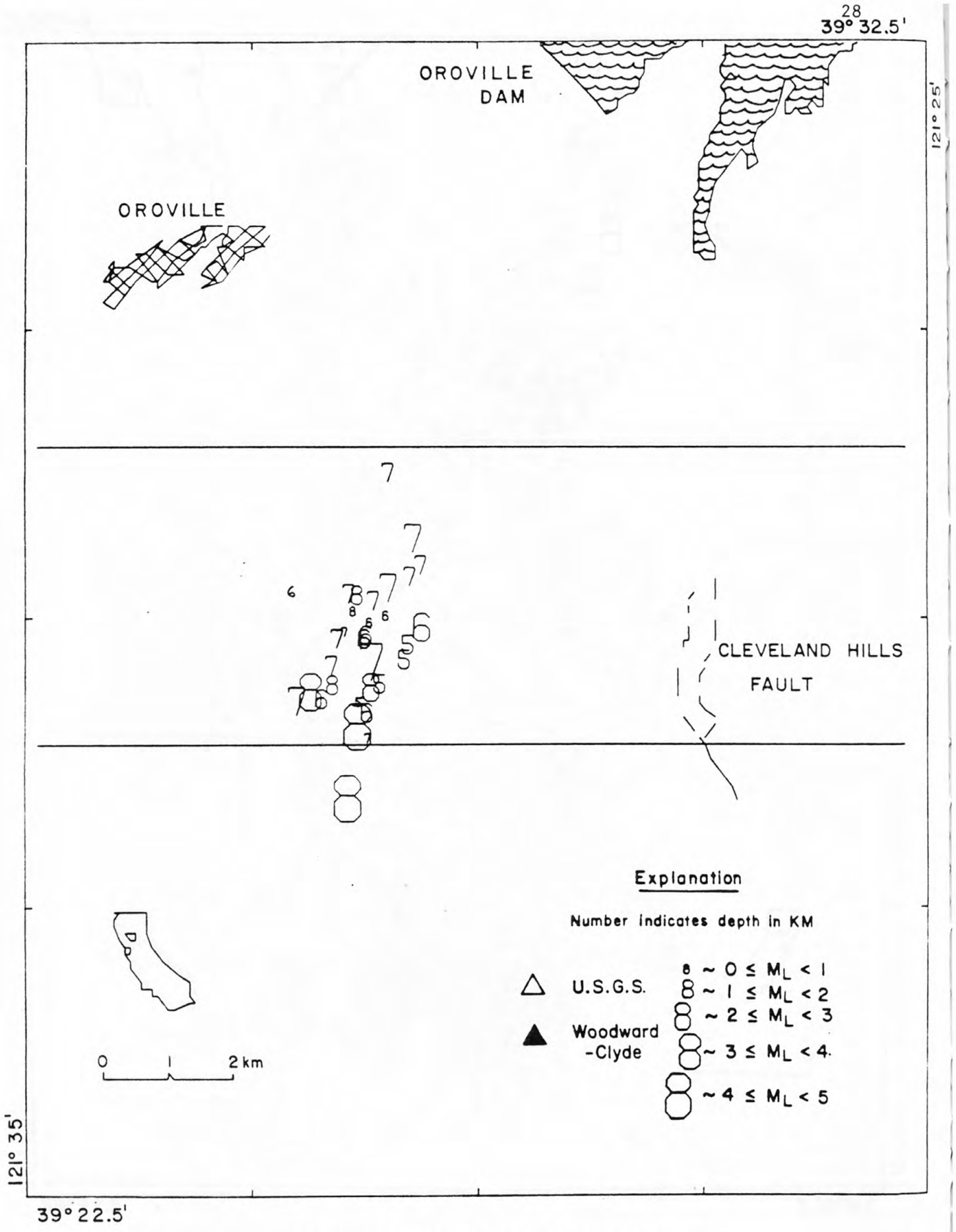

FIGURE 9 A OROVILLE FORESHOCKS, A ‡ B SOLN

JUNE 28-AUG 1, 1975

NUMBER PLOTTED IS DEPTH (KM)

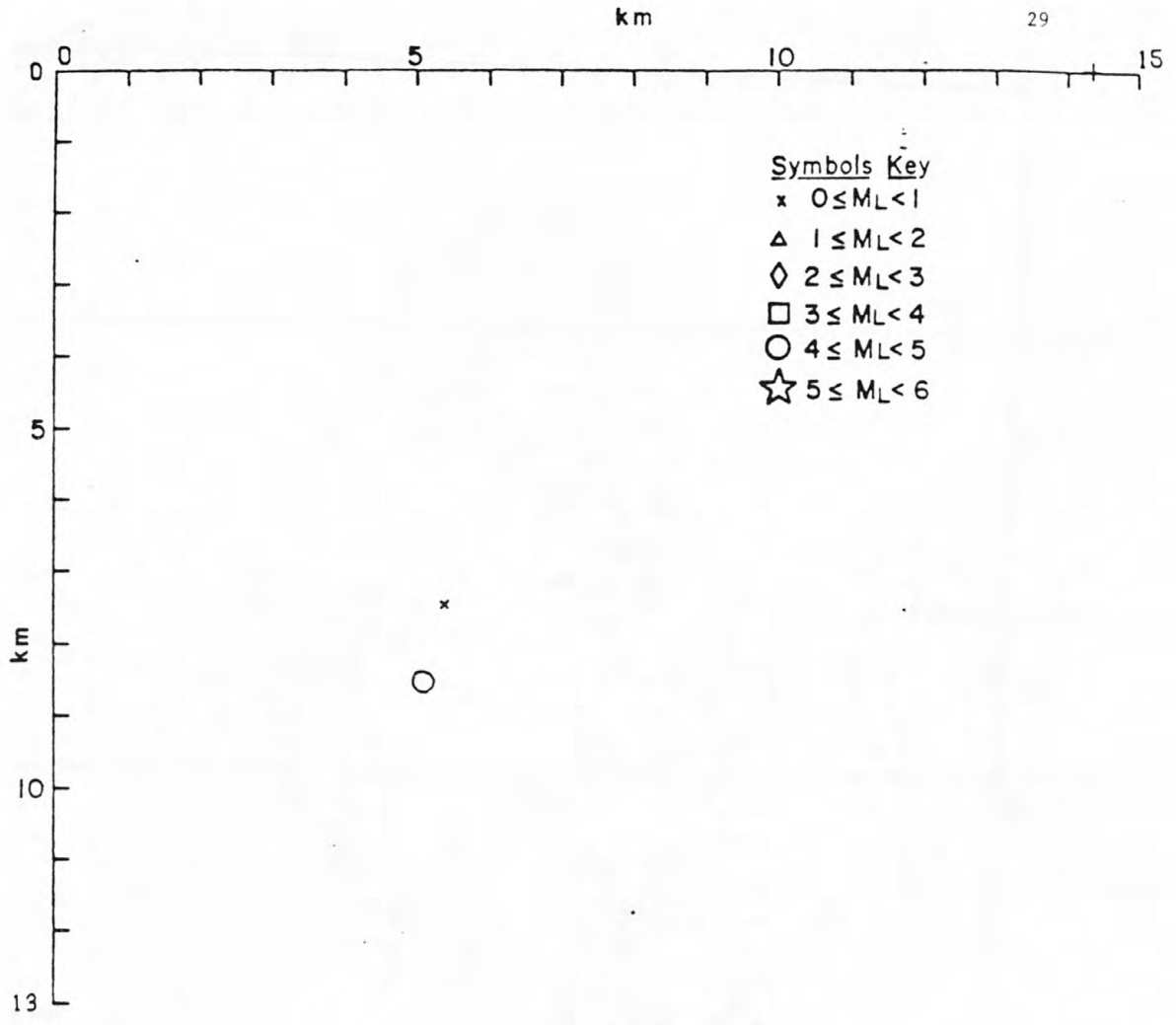

FIGURE 9B OROVILLE FORESHOCKS. A & B SOLN
JUNE 28-AUG 1. 1975
S CROSS-SECTION

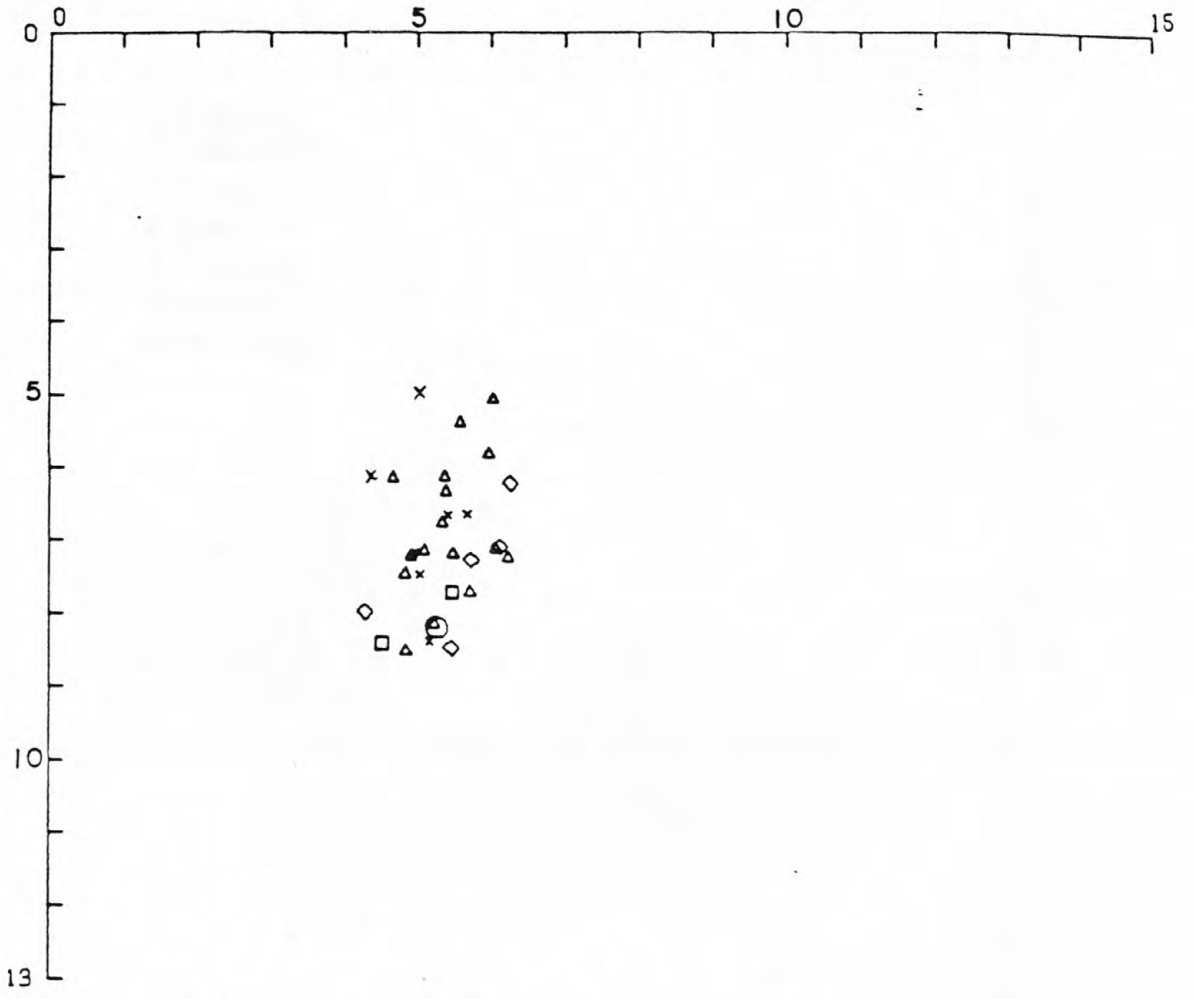

FIGURE 9C OROVILLE FORESHOCKS. A + B SOLN
JUNE 28-AUG 1. 1975
M CROSS-SECTION

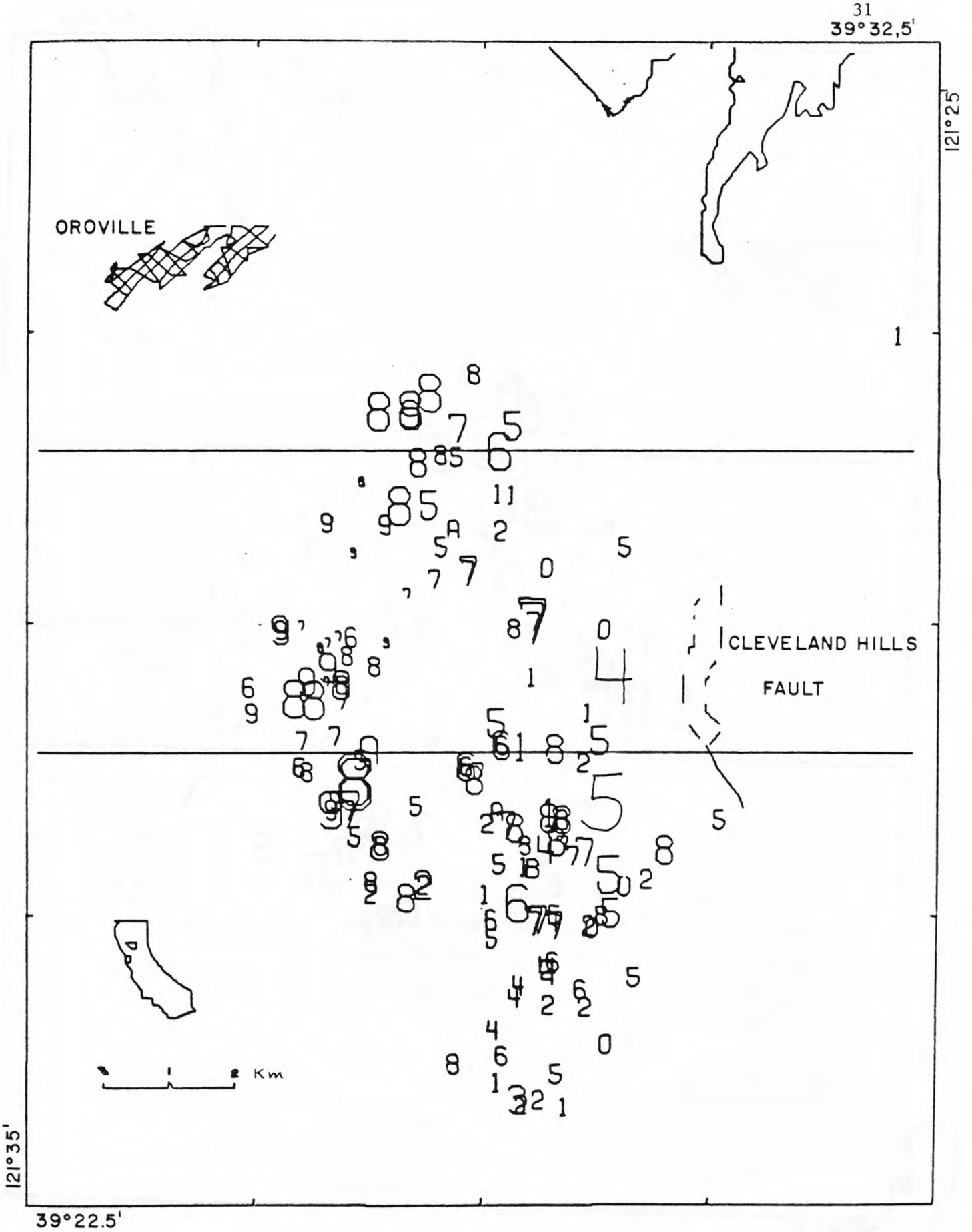

FIGURE 10A OROVILLE AFTERSHOCKS

AUG 1-2, 1975

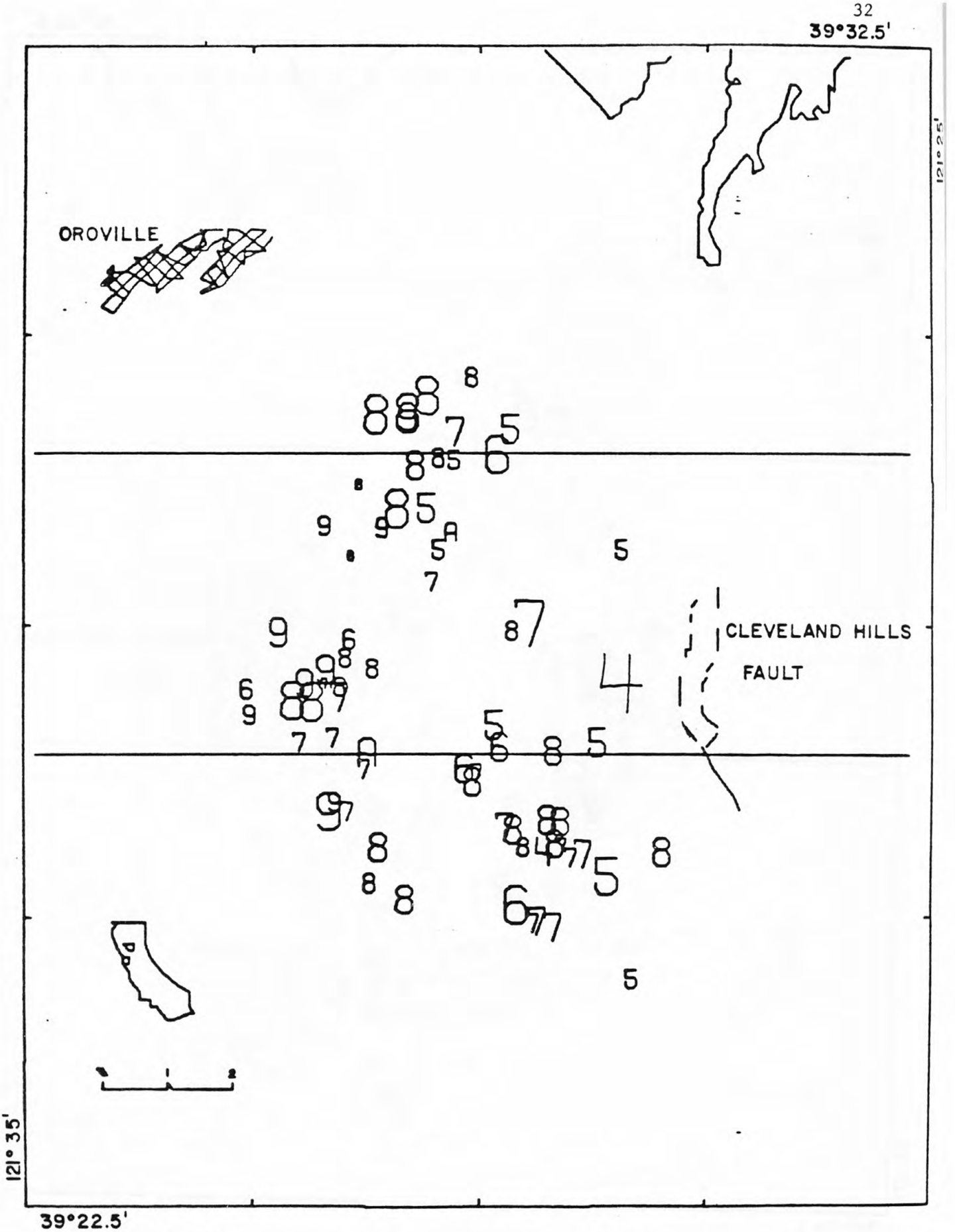

FIGURE 10B OROVILLE AFTERSHOCKS, A & B SOL

AUG 1-2, 1975

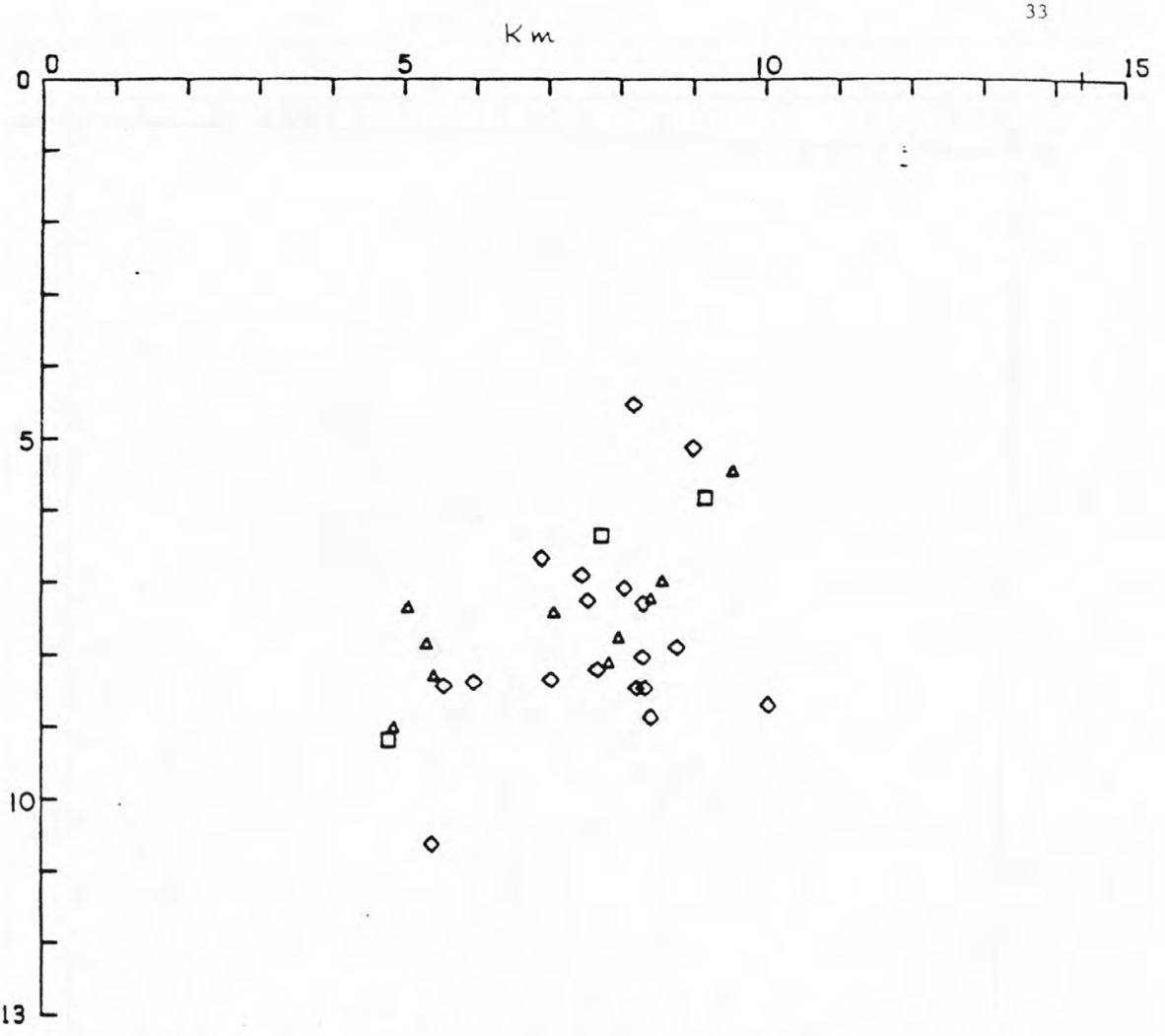

FIGURE 10C OROVILLE AFTERSHOCKS. A ≤ B SOL
AUG 1-2. 1975
S CROSS-SECTION

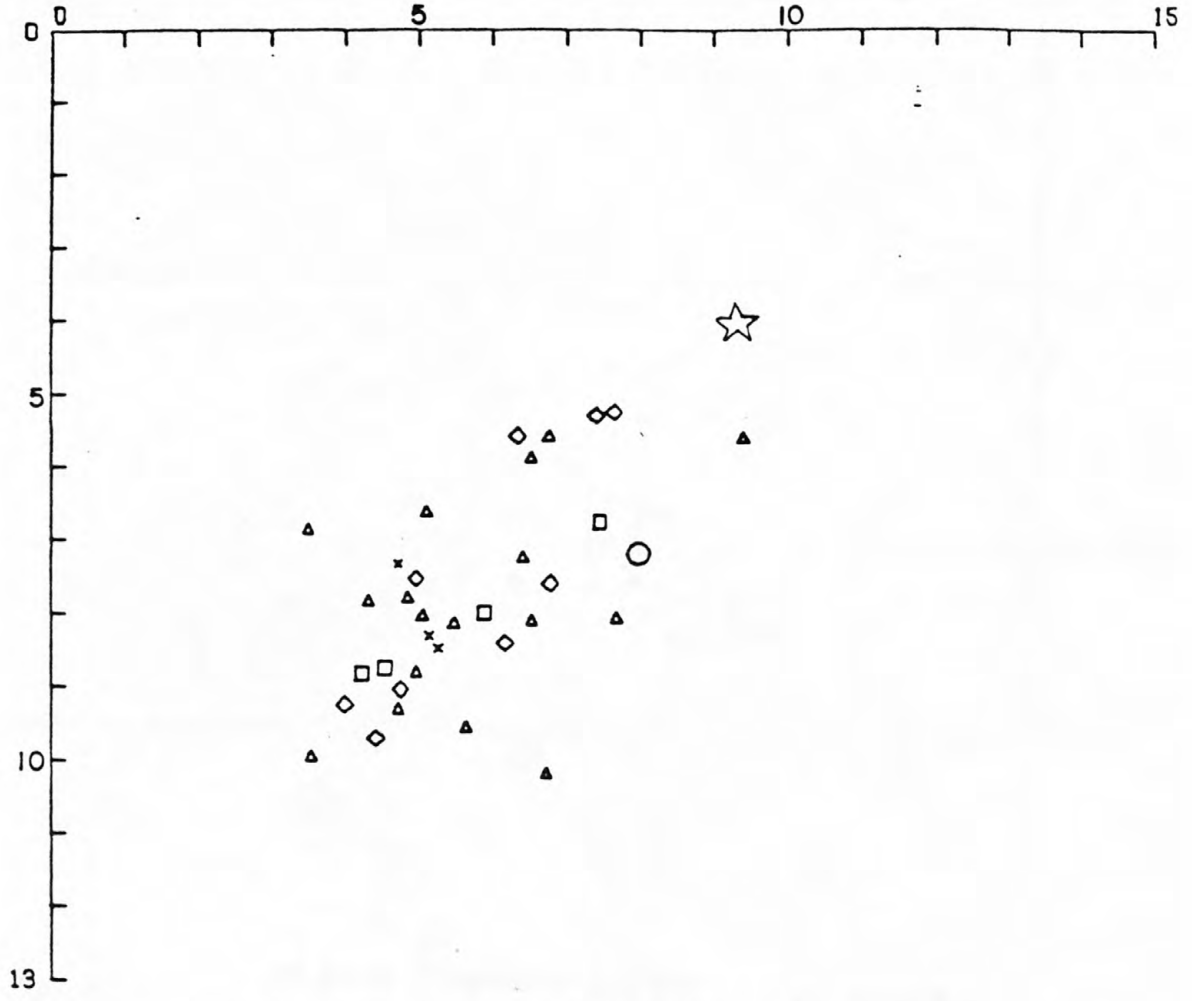

FIGURE 10D OROVILLE AFTERSHOCKS. A ≤ B SOL
AUG 1-2. 1975
M CROSS-SECTION

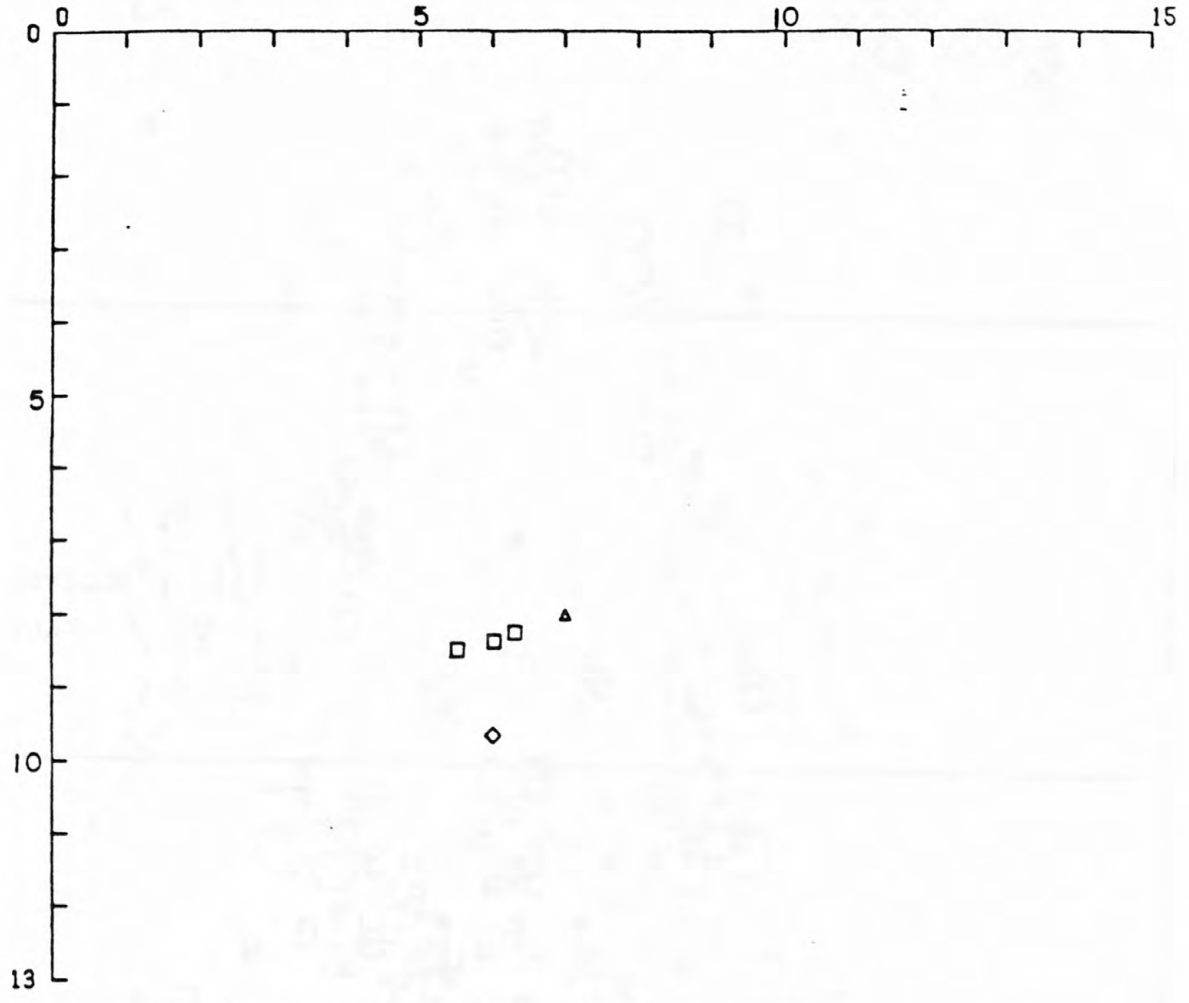

FIGURE 10E OROVILLE AFTERSHOCKS. A ↑ B SOL
AUG 1-2. 1975
N CROSS-SECTION

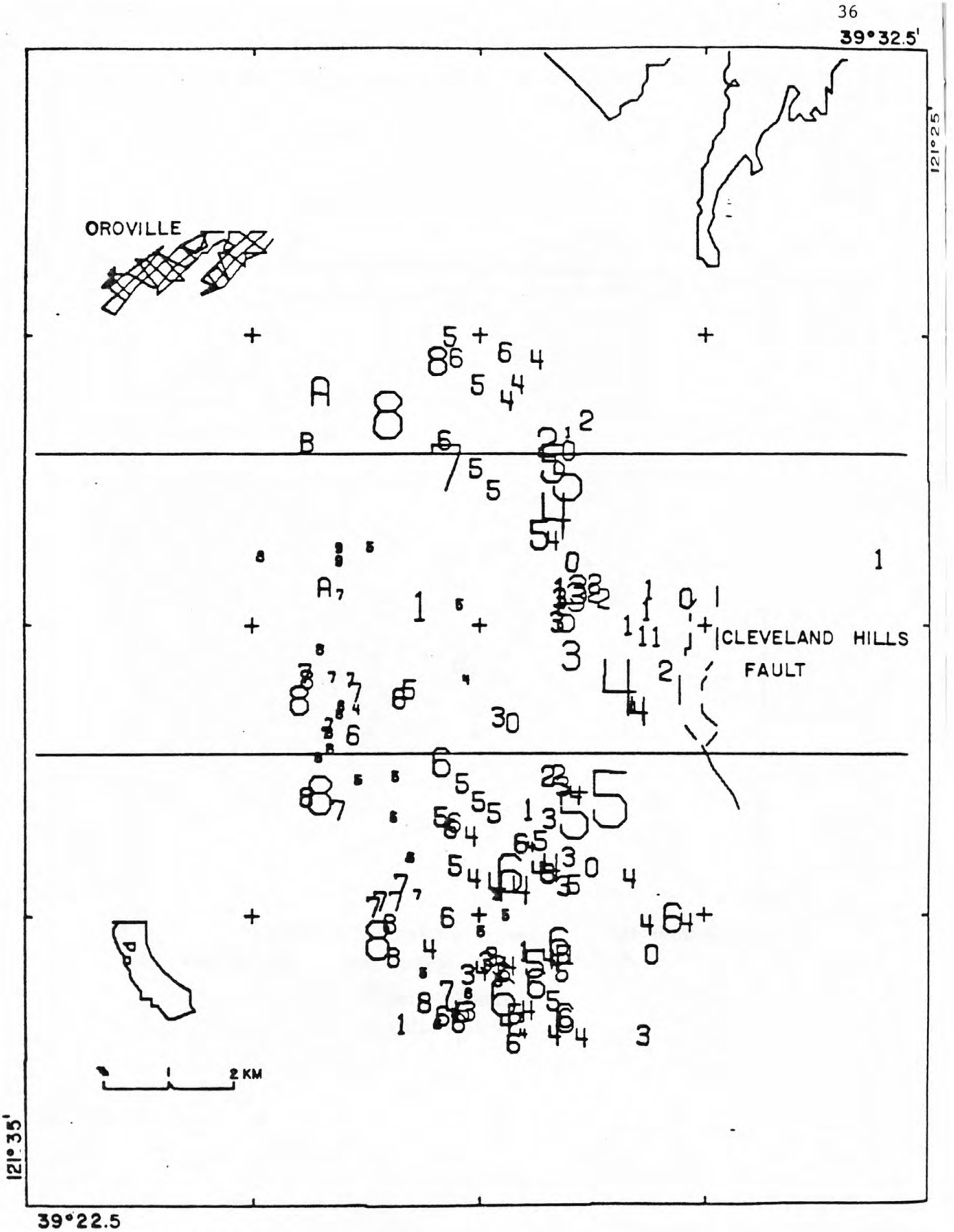

FIGURE 11A OROVILLE AFTERSHOCKS

AUG 2-5, 1975

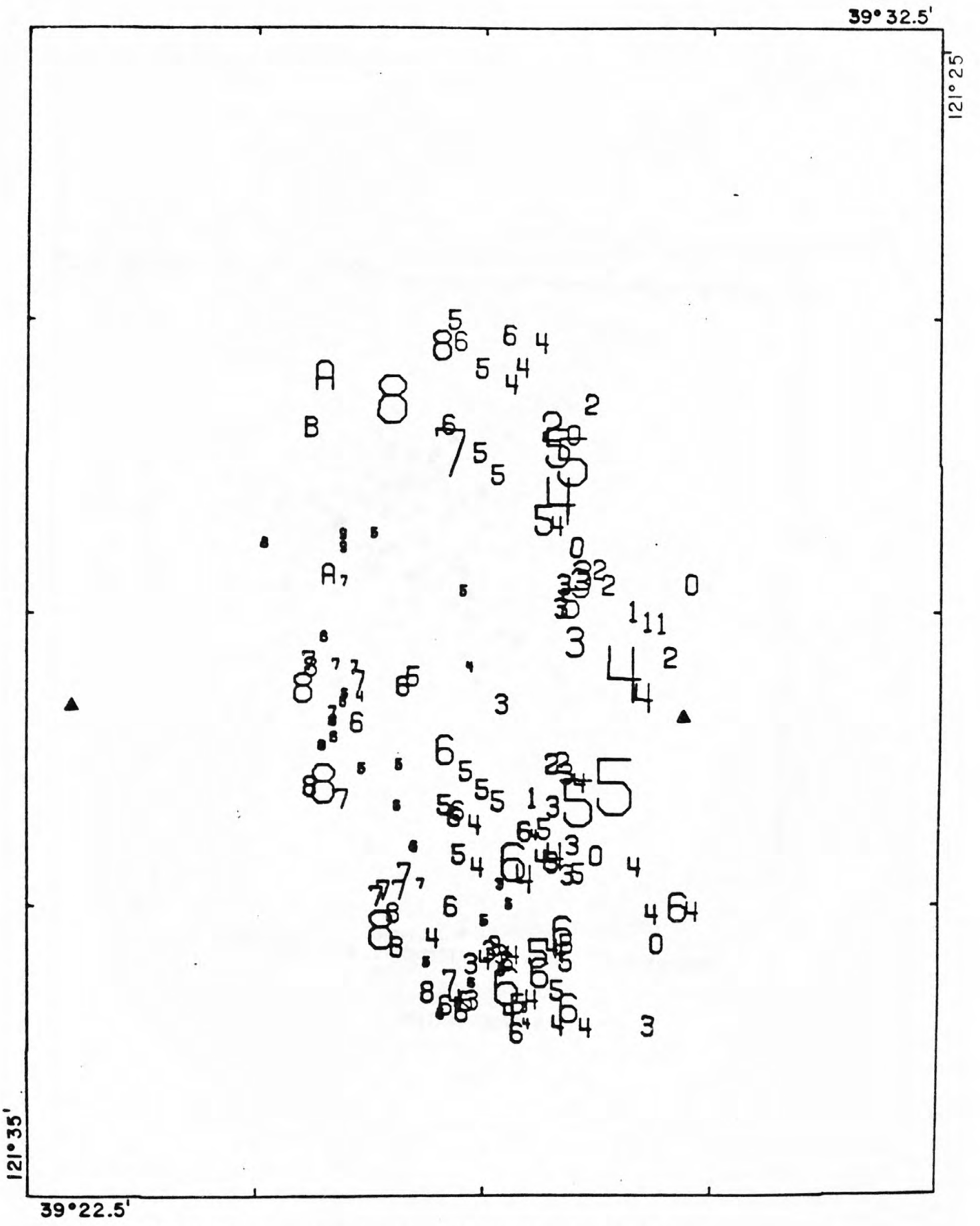

FIGURE 11B OROVILLE AFTERSHOCKS, A & B SOL

AUG 2-5, 1975

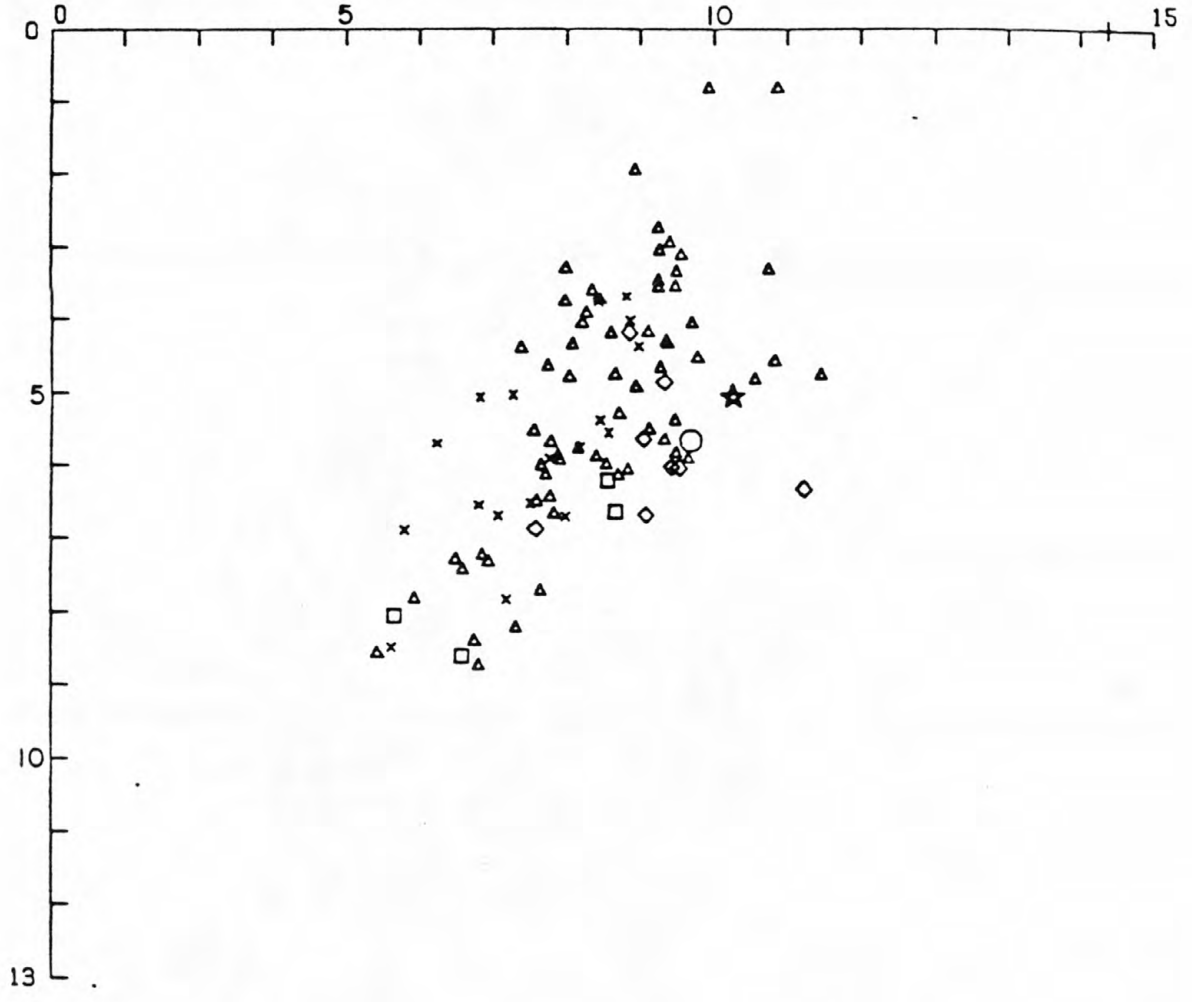

FIGURE 11C OROVILLE AFTERSHOCKS, A ≤ B SOL
AUG 2-5, 1975
S CROSS-SECTION

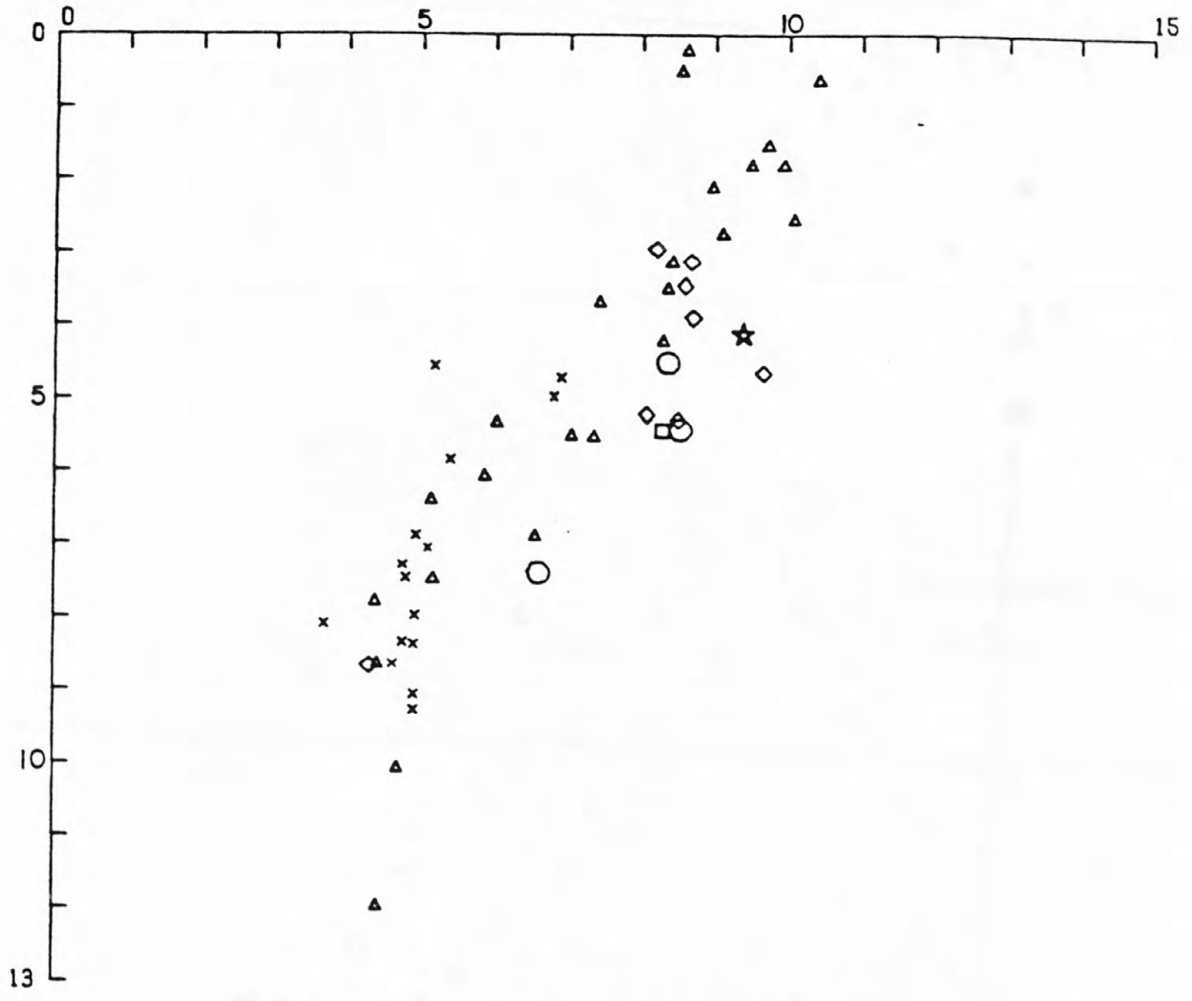

FIGURE 11D OROVILLE AFTERSHOCKS. A ≥ B SOL
AUG 2-5. 1975
M CROSS-SECTION

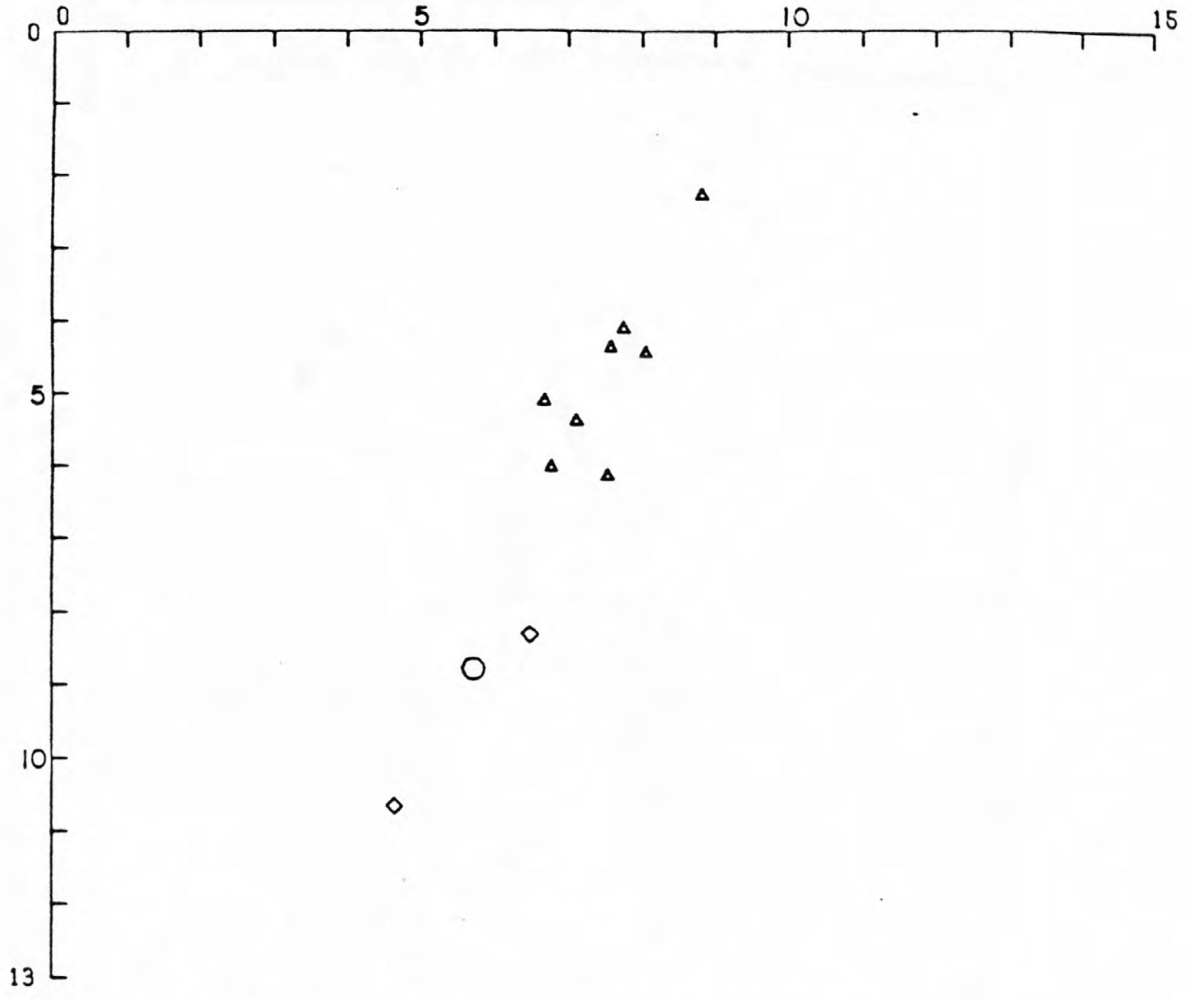

FIGURE 11E OROVILLE AFTERSHOCKS. A & B SOL
AUG 2-5. 1975
N CROSS-SECTION

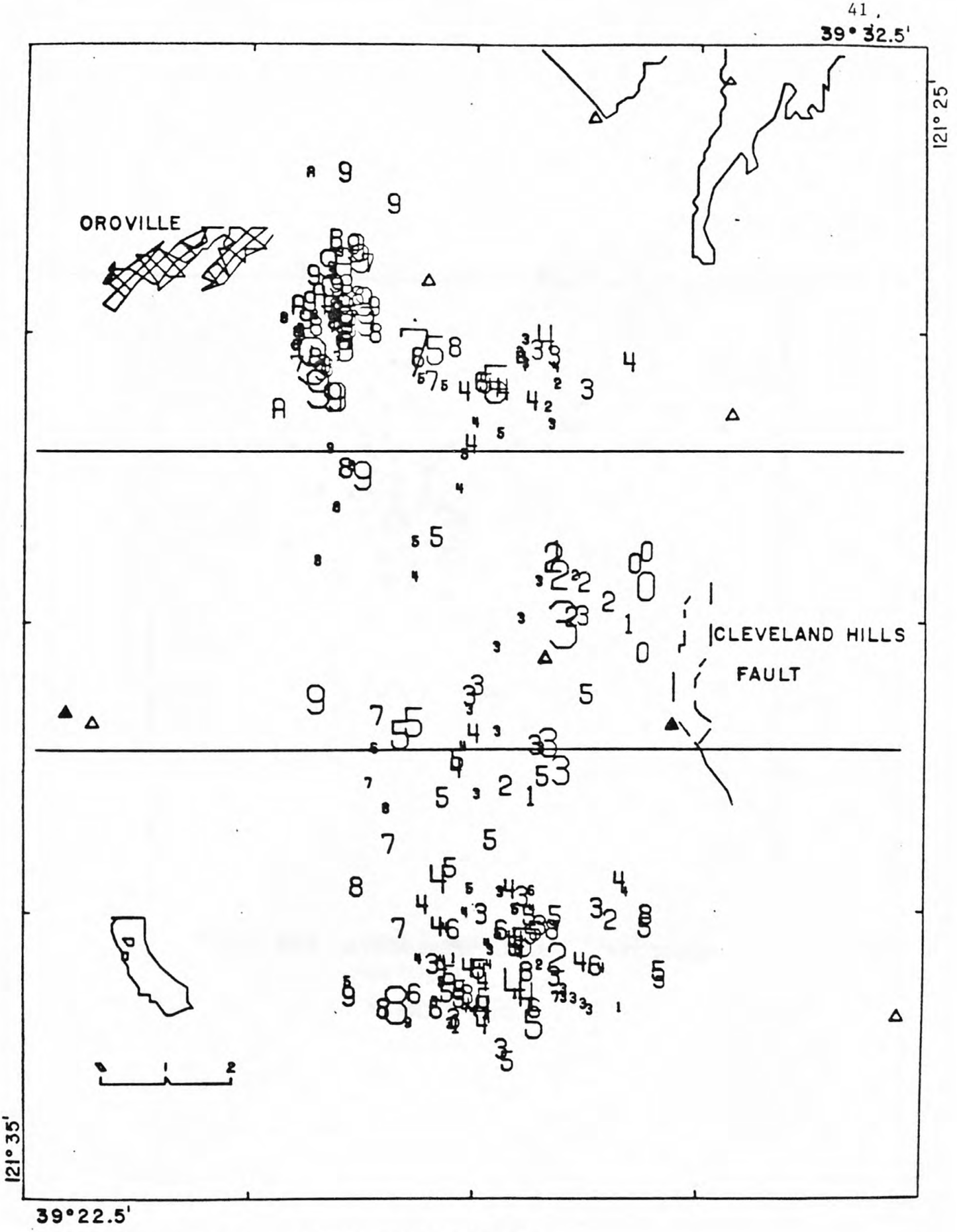

FIGURE 12A OROVILLE AFTERSHOCKS

AUG 6-15, 1975

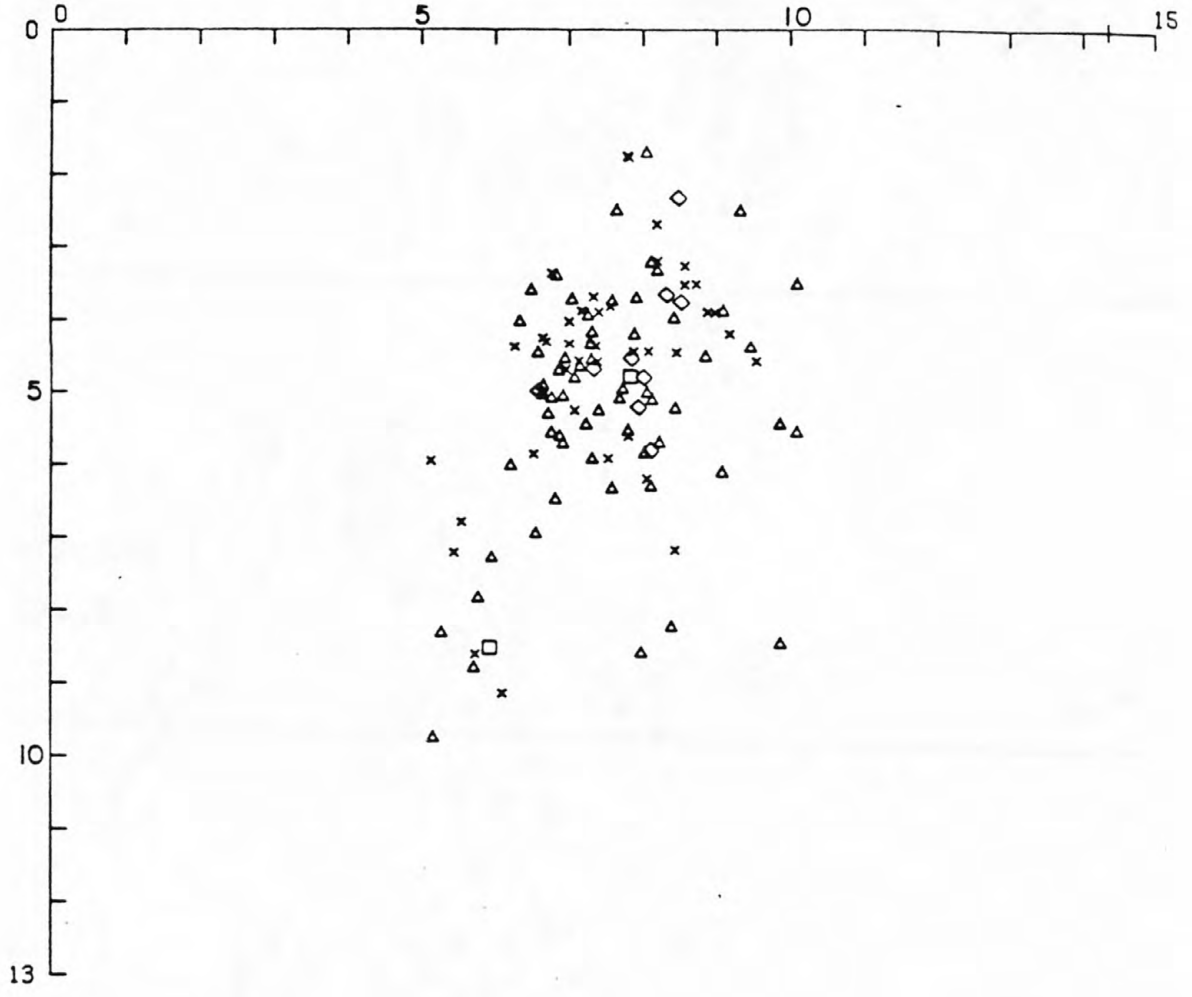

FIGURE 12B OROVILLE AFTERSHOCKS, A ‡ B SOL
AUG 6-15, 1975
S CROSS-SECTION

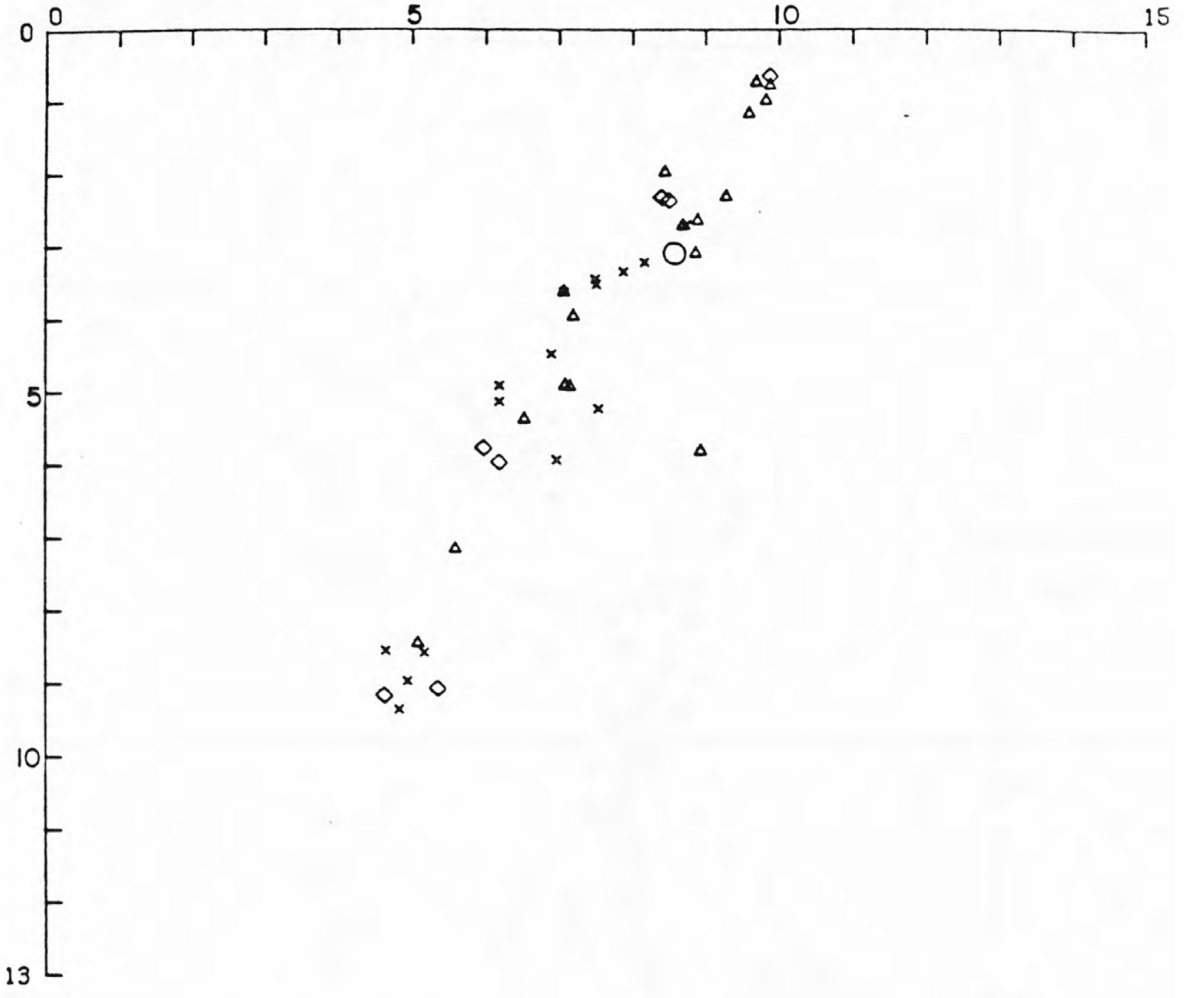

FIGURE 12C OROVILLE AFTERSHOCKS. A ≤ B SOL
AUG 6-15. 1975
M CROSS-SECTION

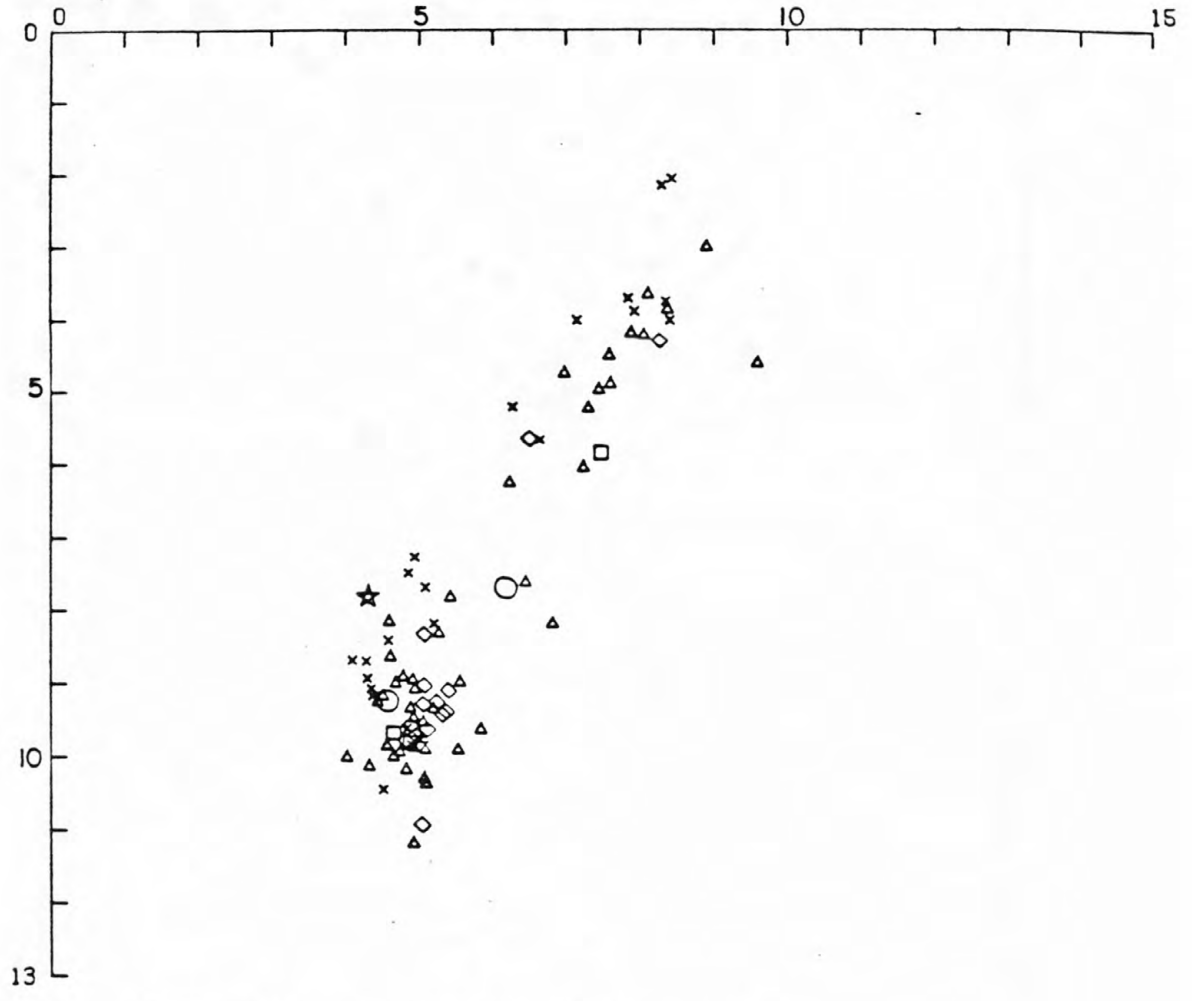

FIGURE 12D OROVILLE AFTERSHOCKS. A & B SOL
AUG 6-15, 1975
N CROSS-SECTION

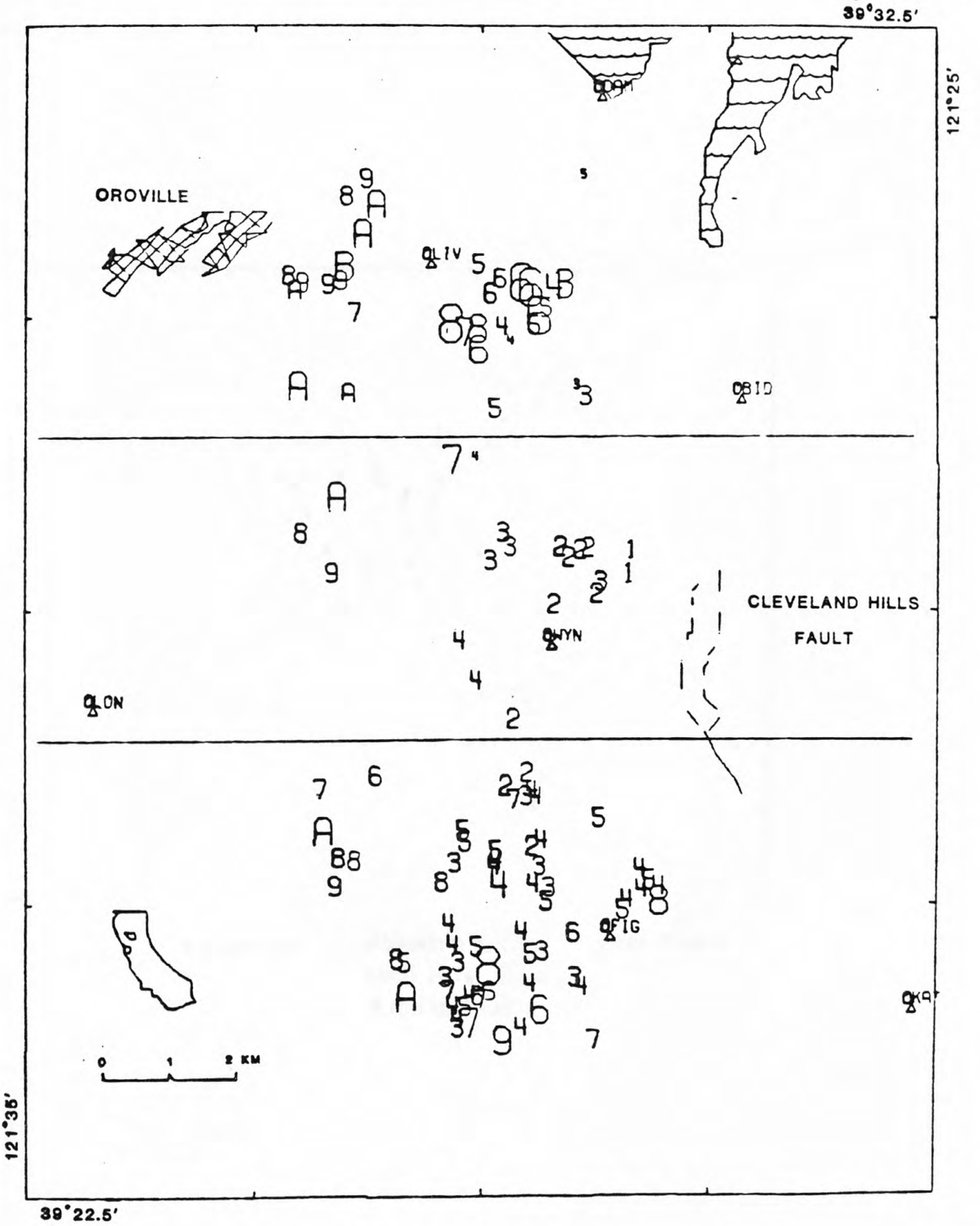

FIGURE 13A OROVILLE AFTERSHOCKS

AUGUST 16-31, 1975

NUMBER PLOTTED IS DEPTH (KM)

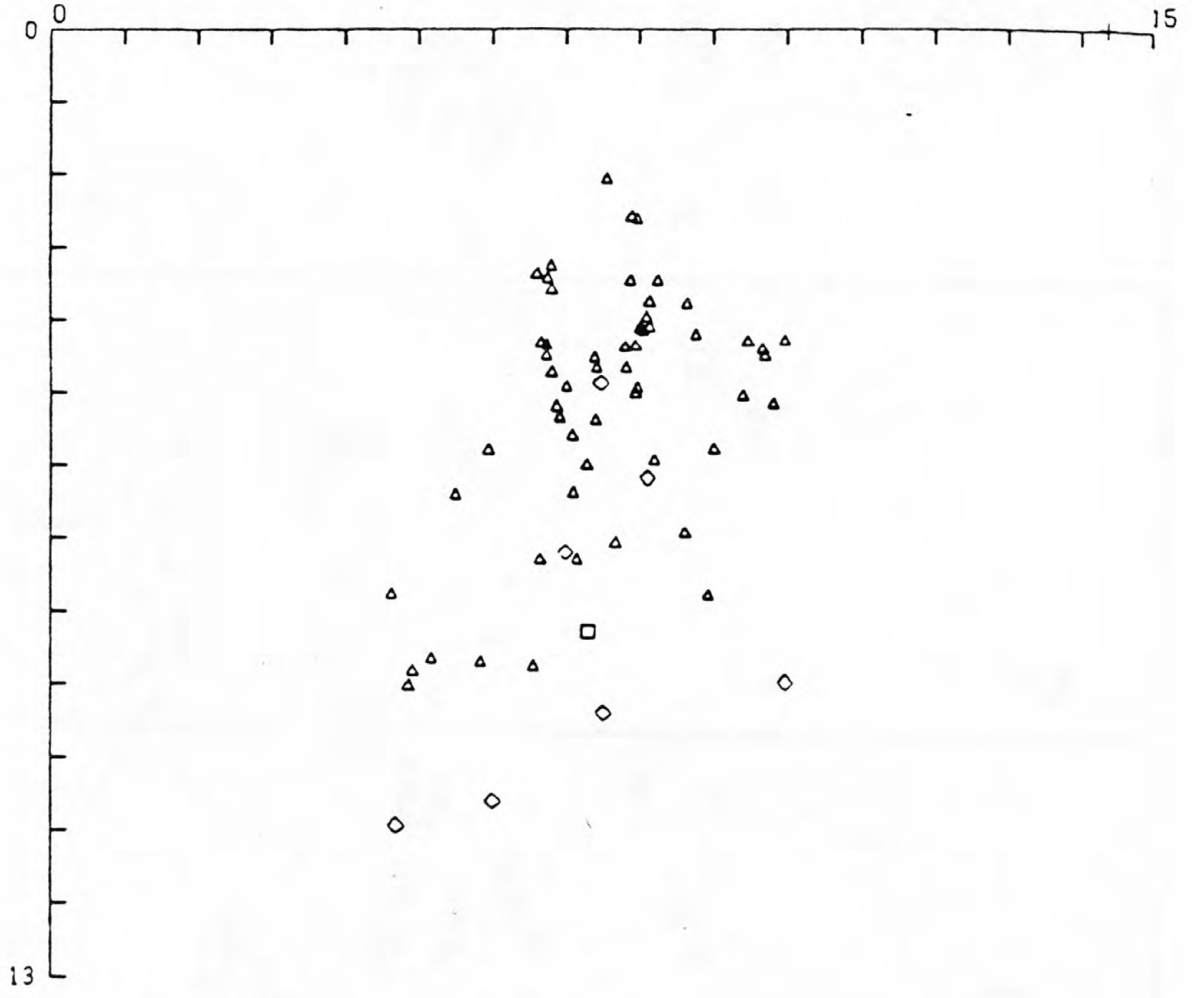

FIGURE 13B OROVILLE AFTERSHOCKS
AUGUST 16-31. 1975
S CROSS-SECTION

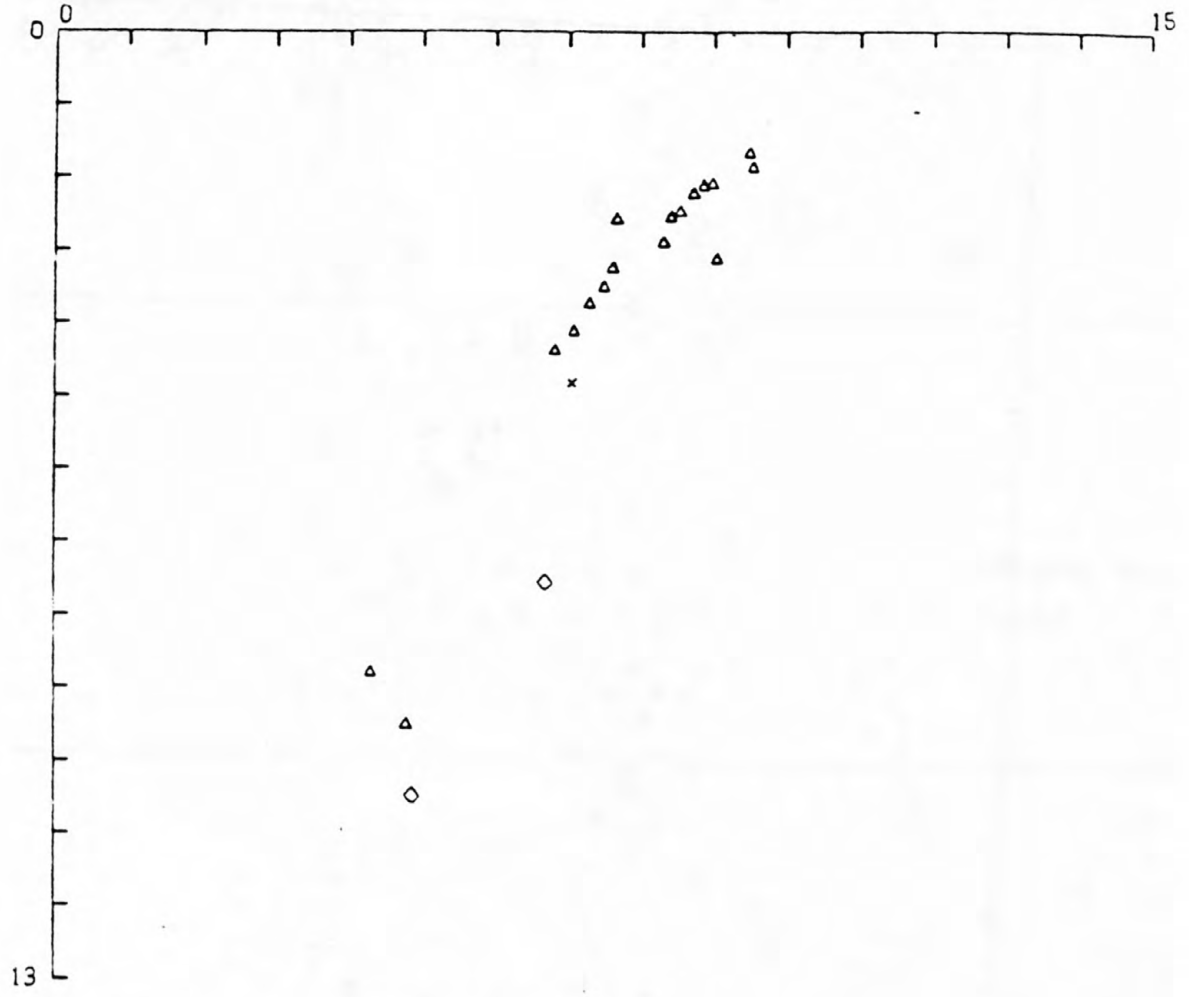

FIGURE 13C OROVILLE AFTERSHOCKS
AUGUST 16-31, 1975
■ CROSS-SECTION

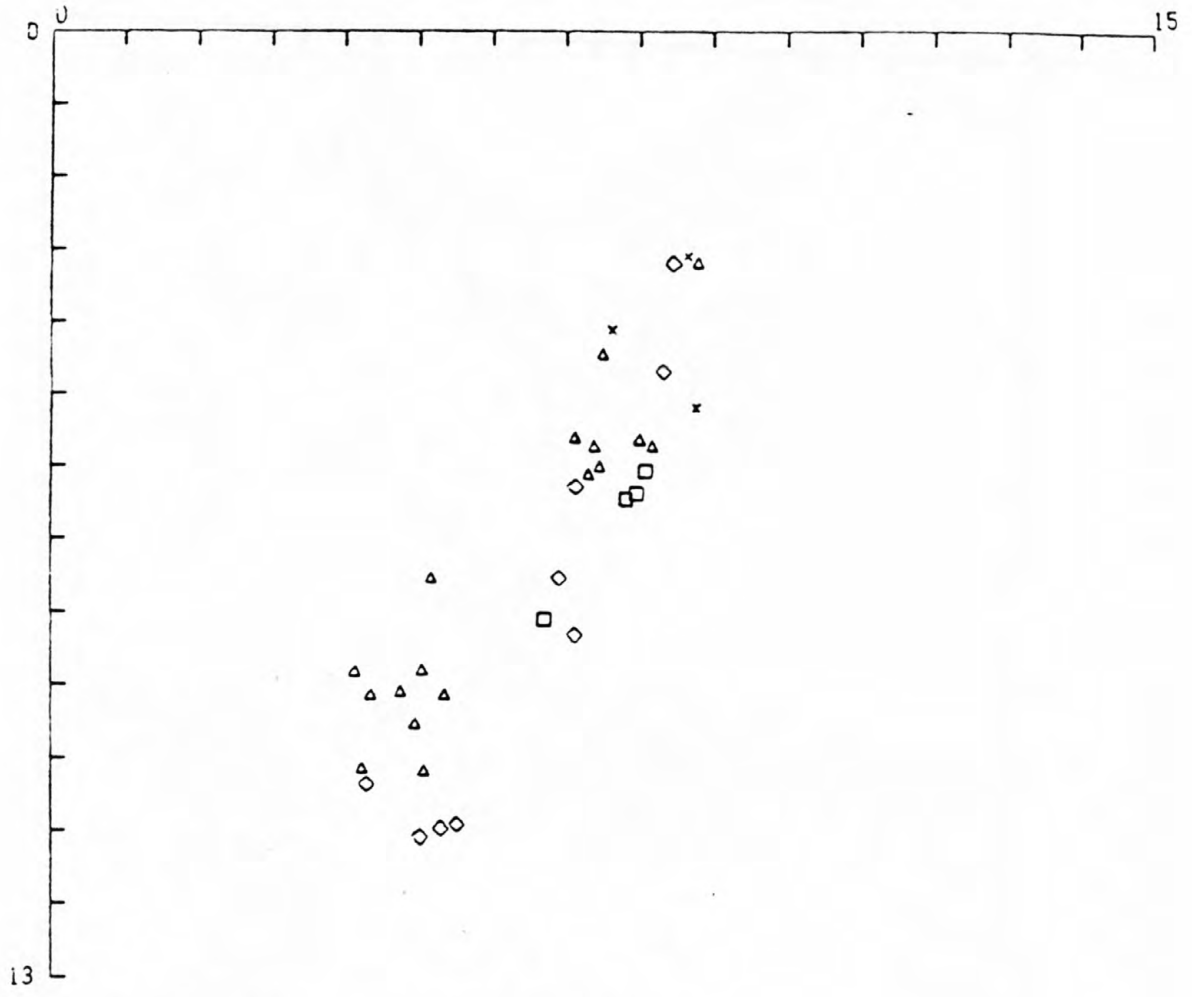

FIGURE 13D OROVILLE AFTERSHOCKS
AUGUST 16-31, 1975
N CROSS-SECTION

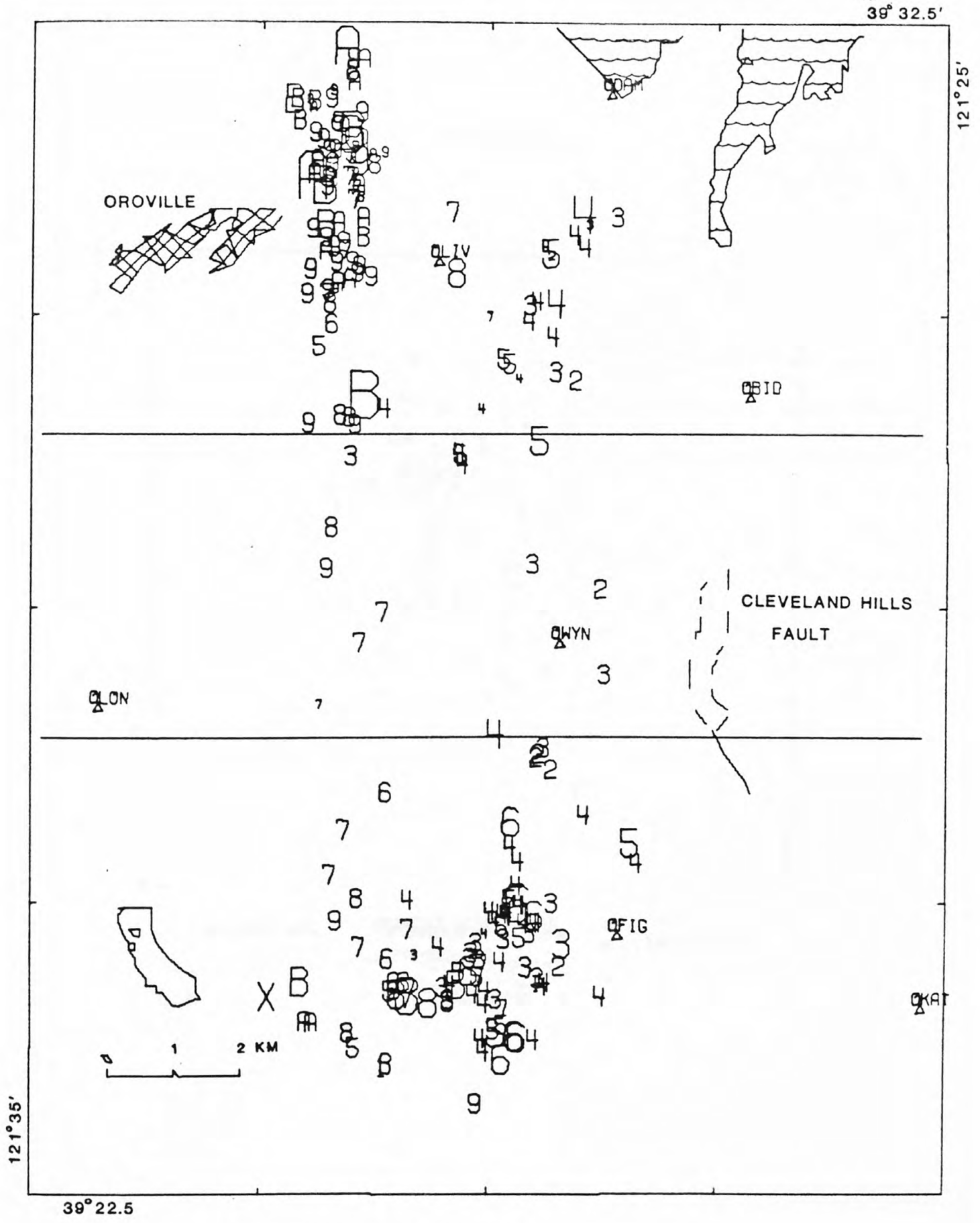

FIGURE 14A OROVILLE AFTERSHOCKS

SEPTEMBER, 1975

NUMBER PLOTTED IS DEPTH (KM)

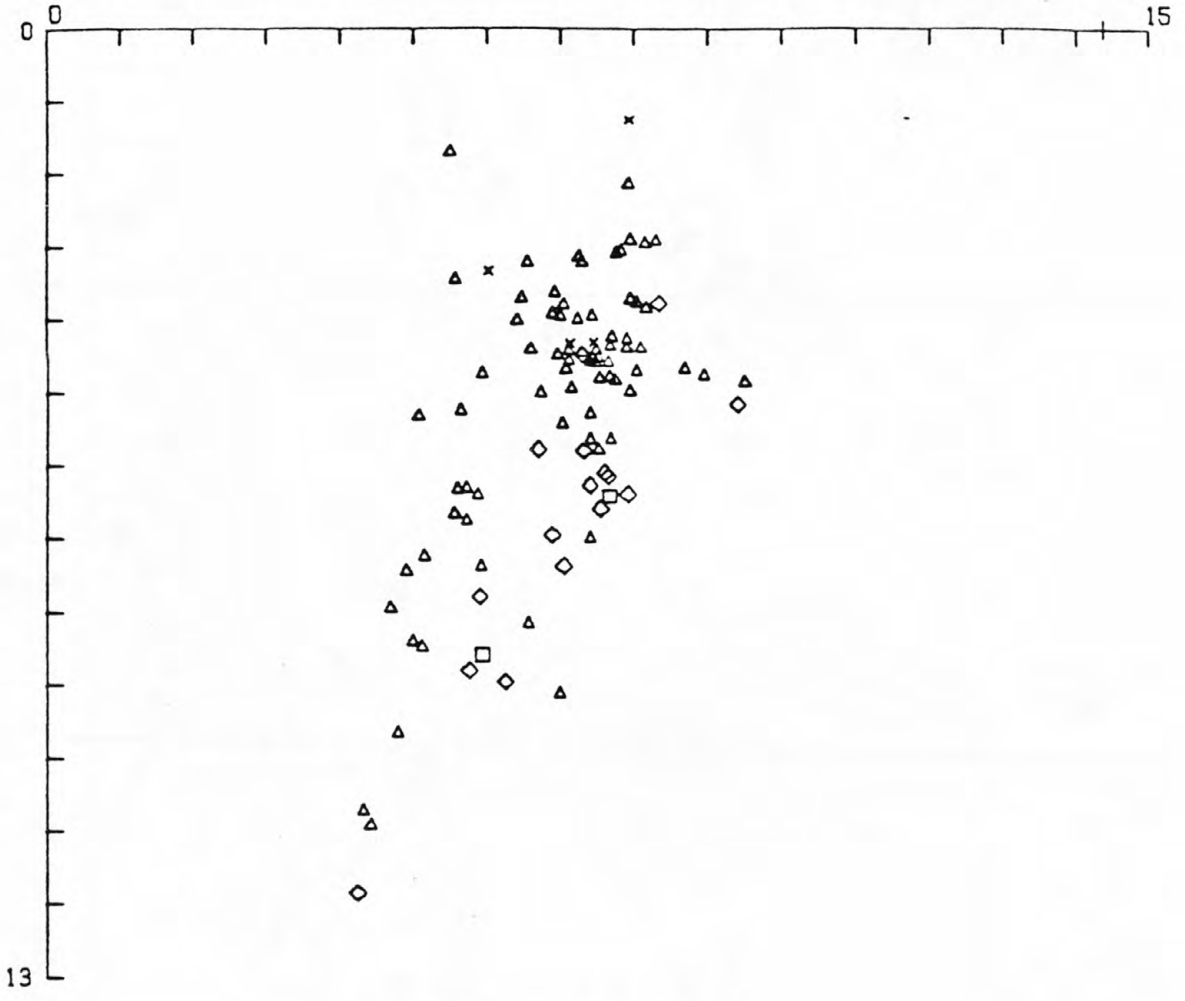

FIGURE 14B ◇ OROVILLE AFTERSHOCKS
SEPTEMBER. 1975
§ CROSS-SECTION

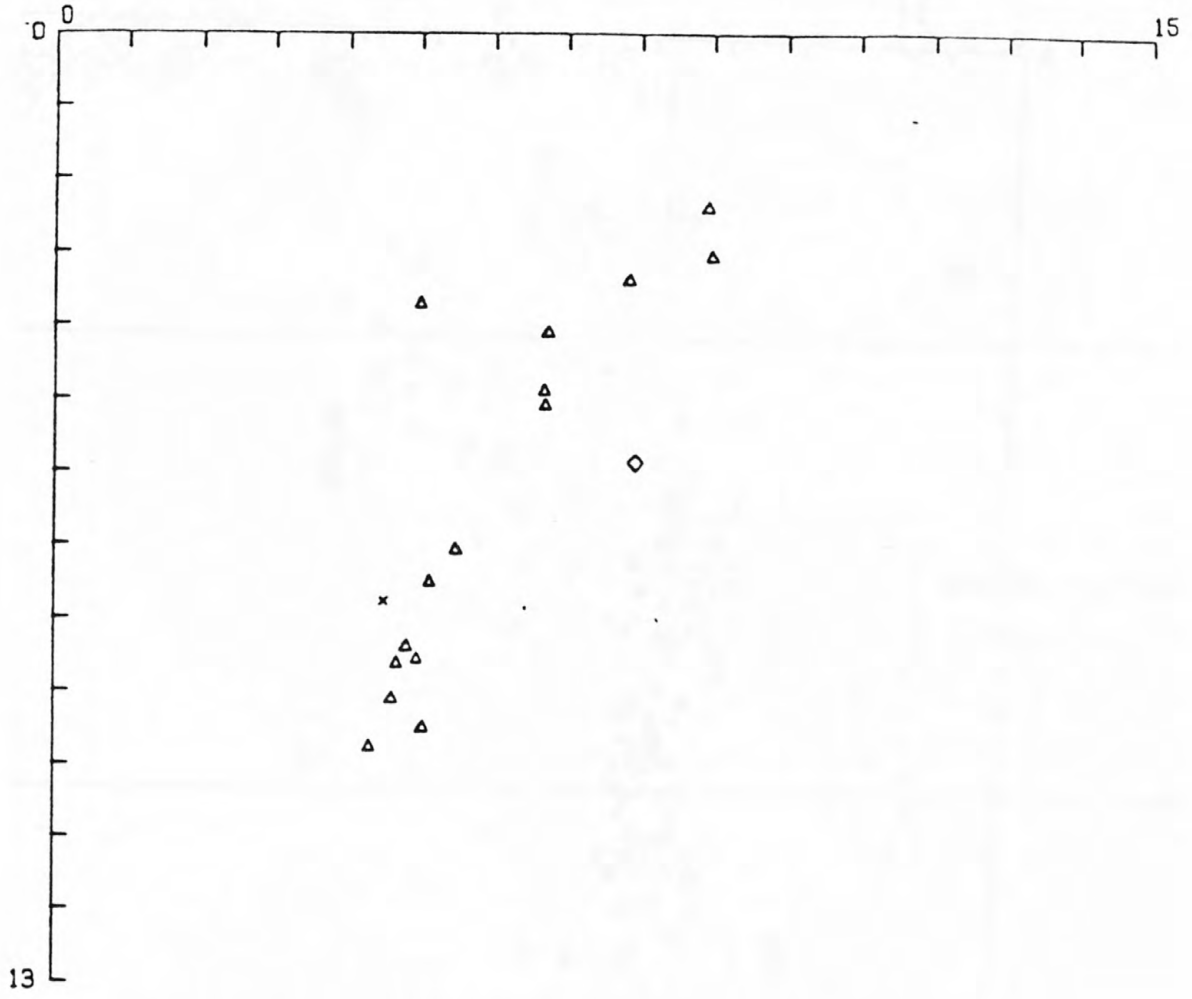

FIGURE 14C OROVILLE AFTERSHOCKS
SEPTEMBER, 1975
CROSS-SECTION

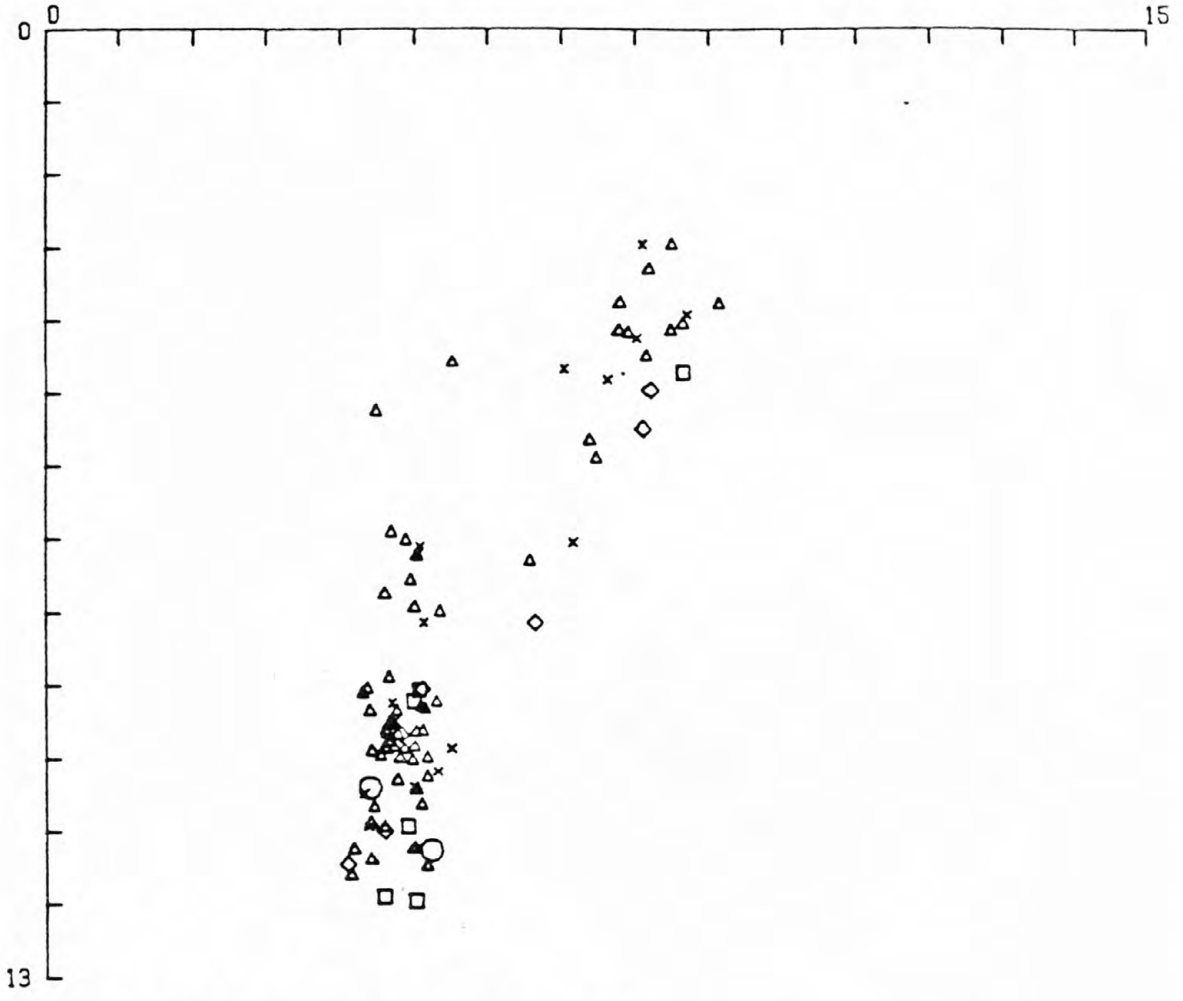

FIGURE 14D OROVILLE AFTERSHOCKS
SEPTEMBER, 1975
N CROSS-SECTION

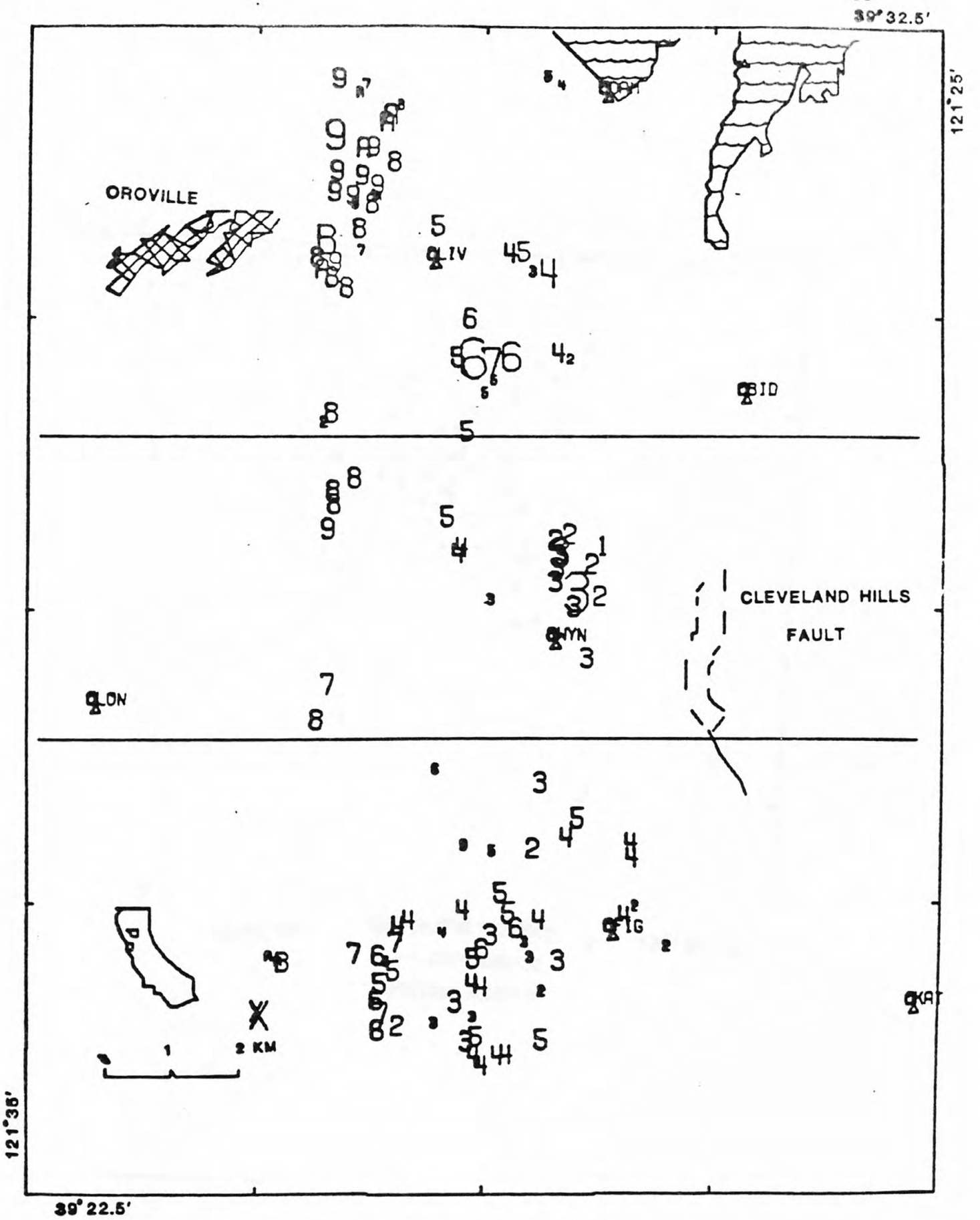

FIGURE 15A OROVILLE AFTERSHOCKS

OCTOBER 1975

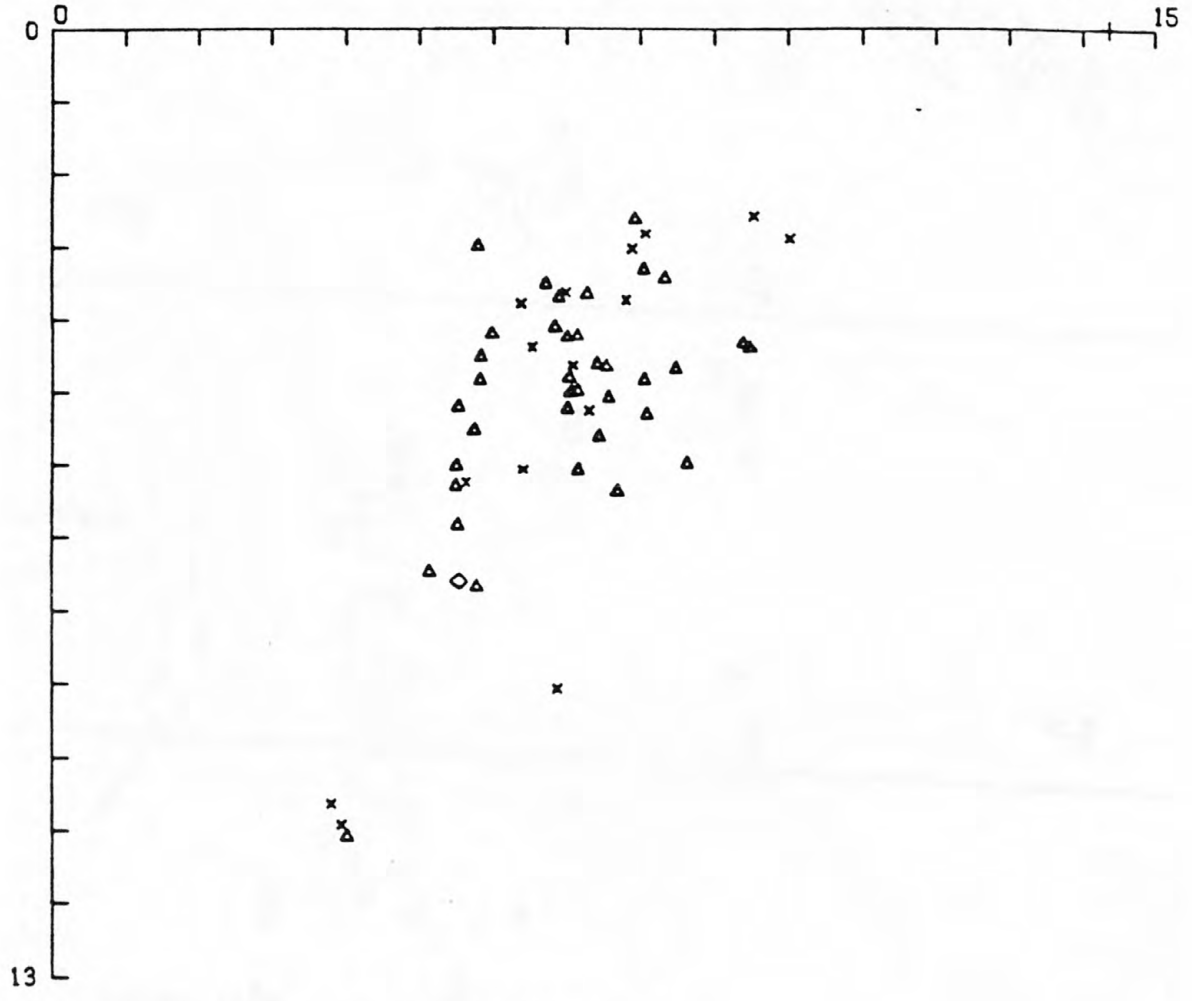

FIGURE 15B ◇ OROVILLE AFTERSHOCKS
OCTOBER 1975
S CROSS-SECTION

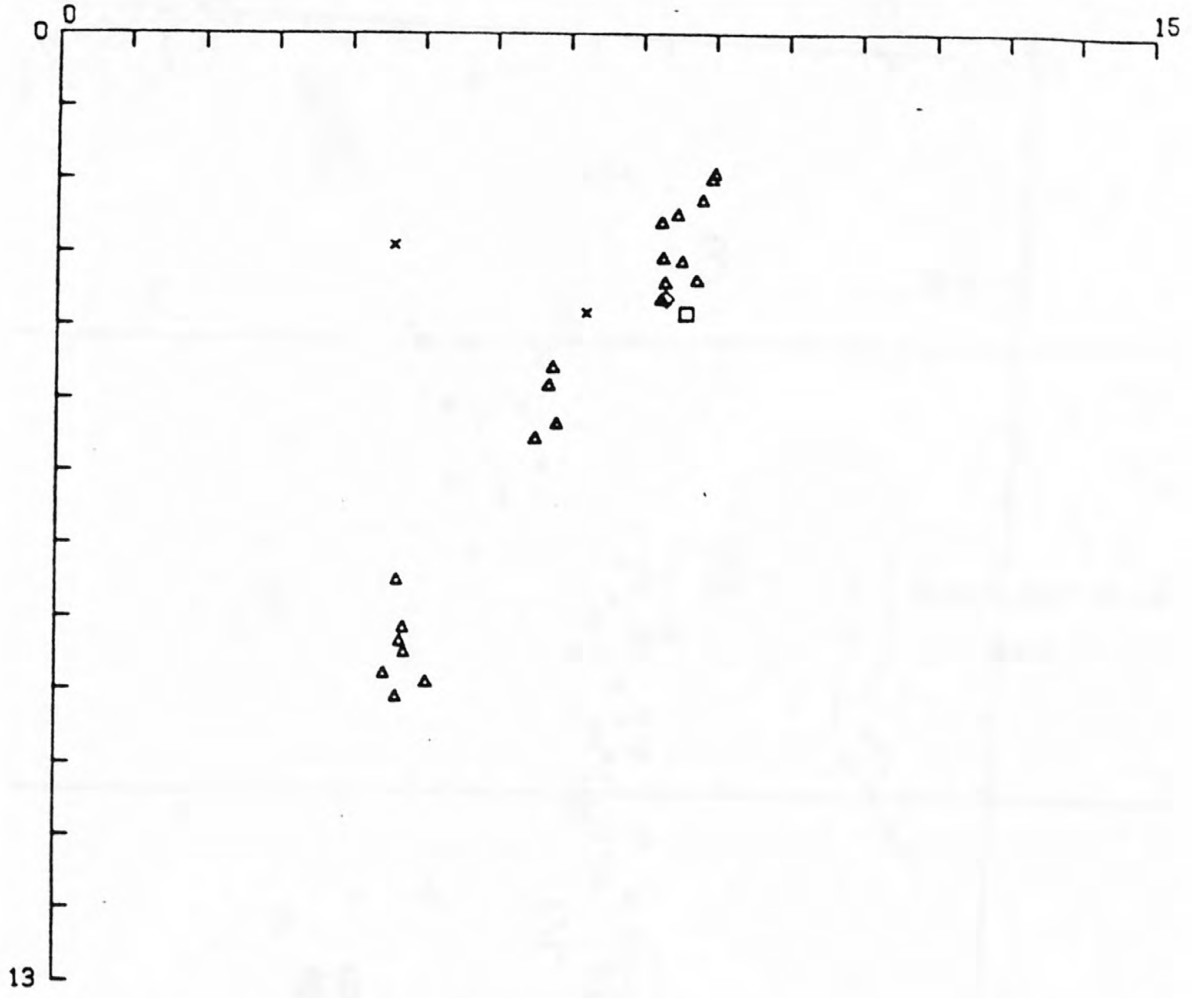

FIGURE 15C OROVILLE AFTERSHOCKS
OCTOBER 1975
CROSS-SECTION

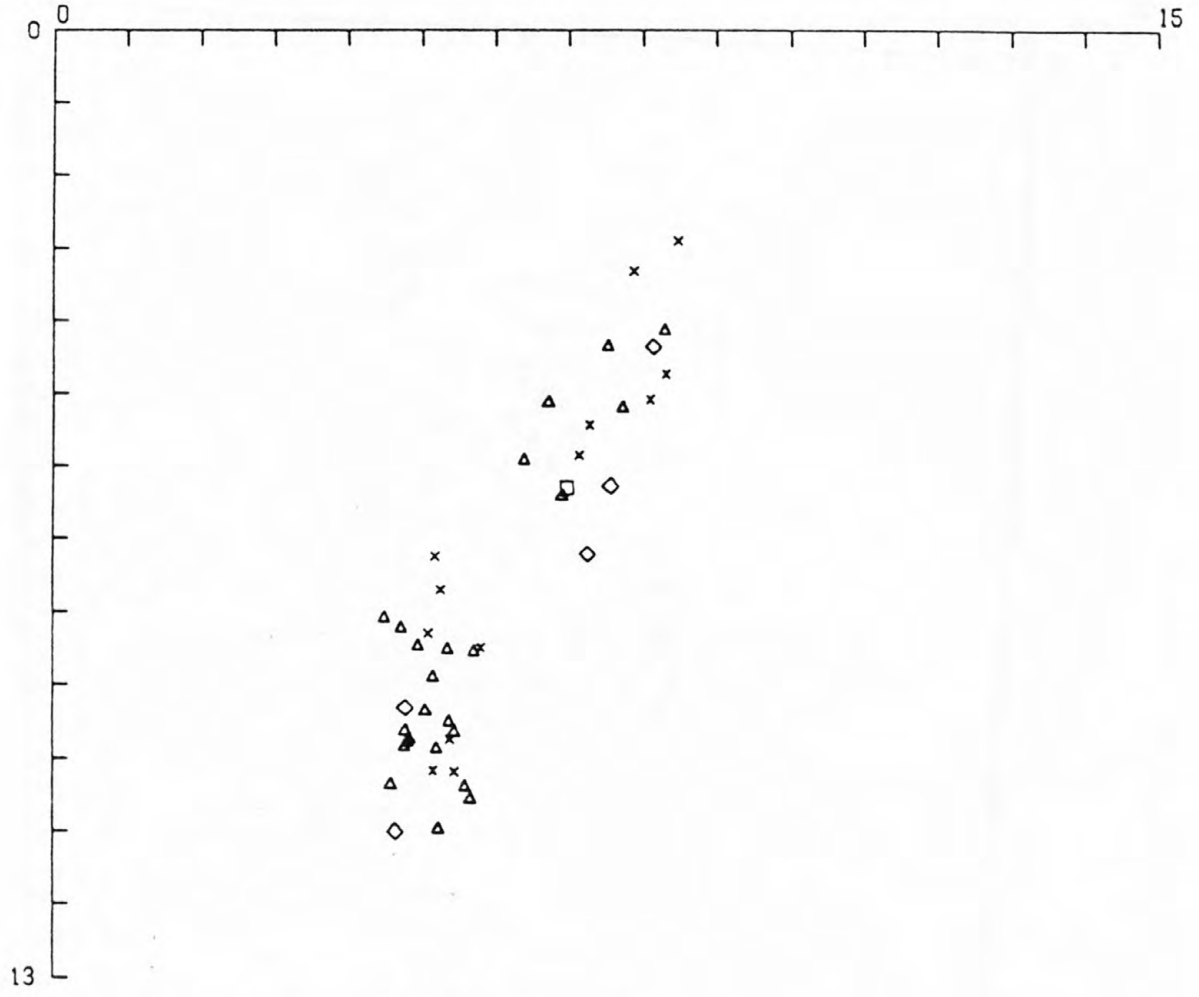

FIGURE 15D OROVILLE AFTERSHOCKS
OCTOBER 1975
N CROSS-SECTION

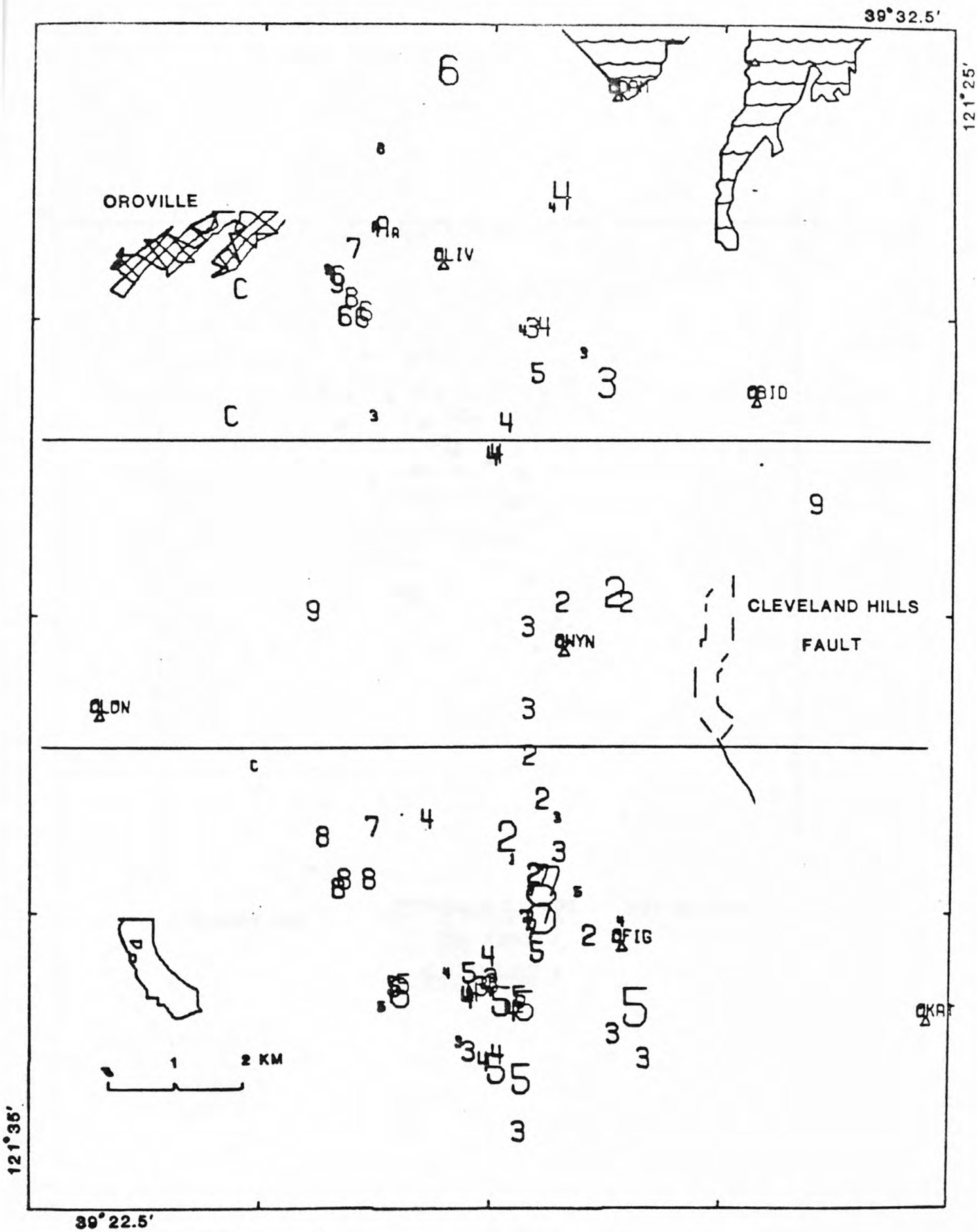

FIGURE 16A OROVILLE AFTERSHOCKS

NOVEMBER 1975

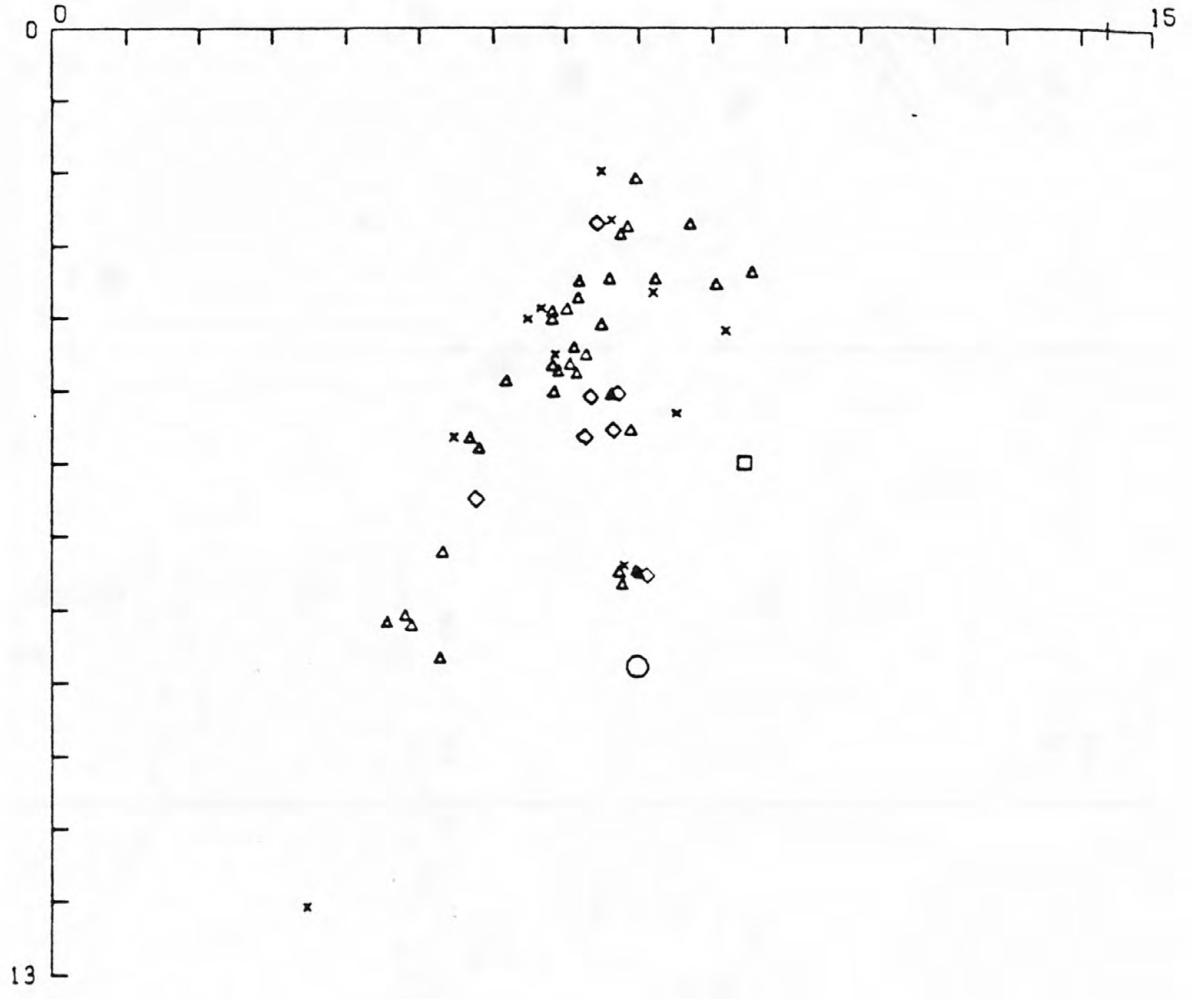

FIGURE 16B OROVILLE AFTERSHOCKS
NOVEMBER 1975
S CROSS-SECTION

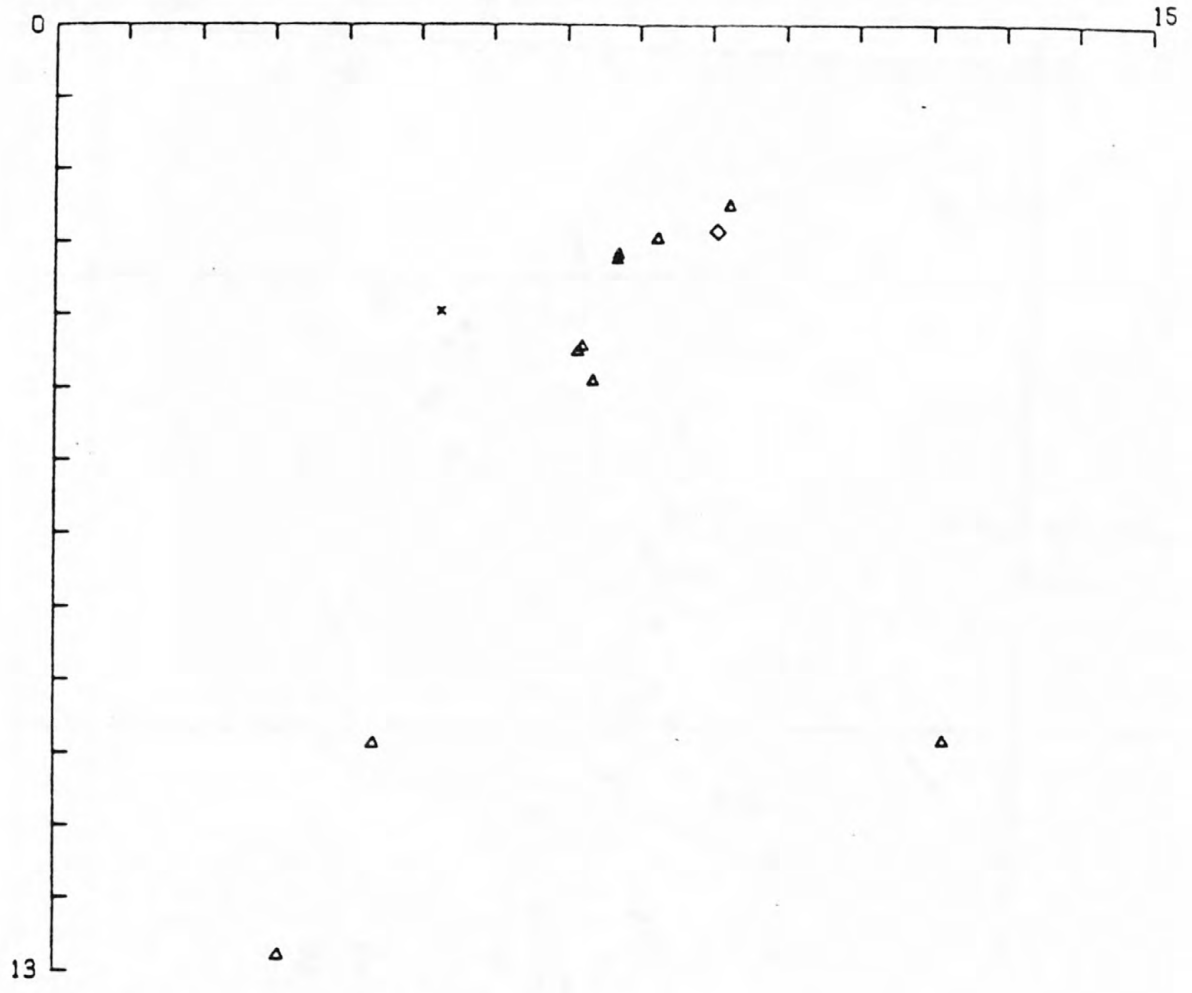

FIGURE 16C OROVILLE AFTERSHOCKS
NOVEMBER 1975
■ CROSS-SECTION

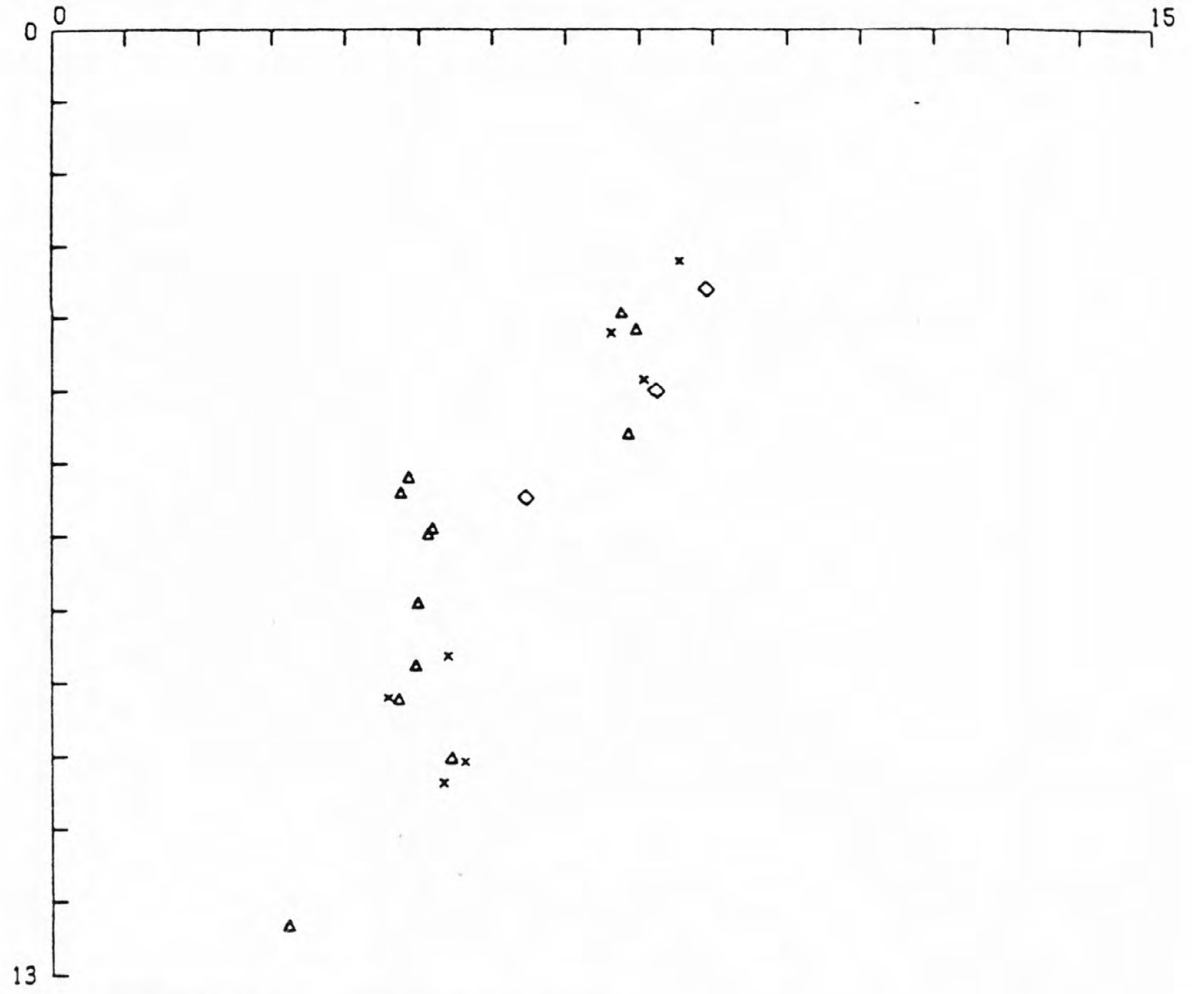

FIGURE 16D OROVILLE AFTERSHOCKS
NOVEMBER 1975
N CROSS-SECTION

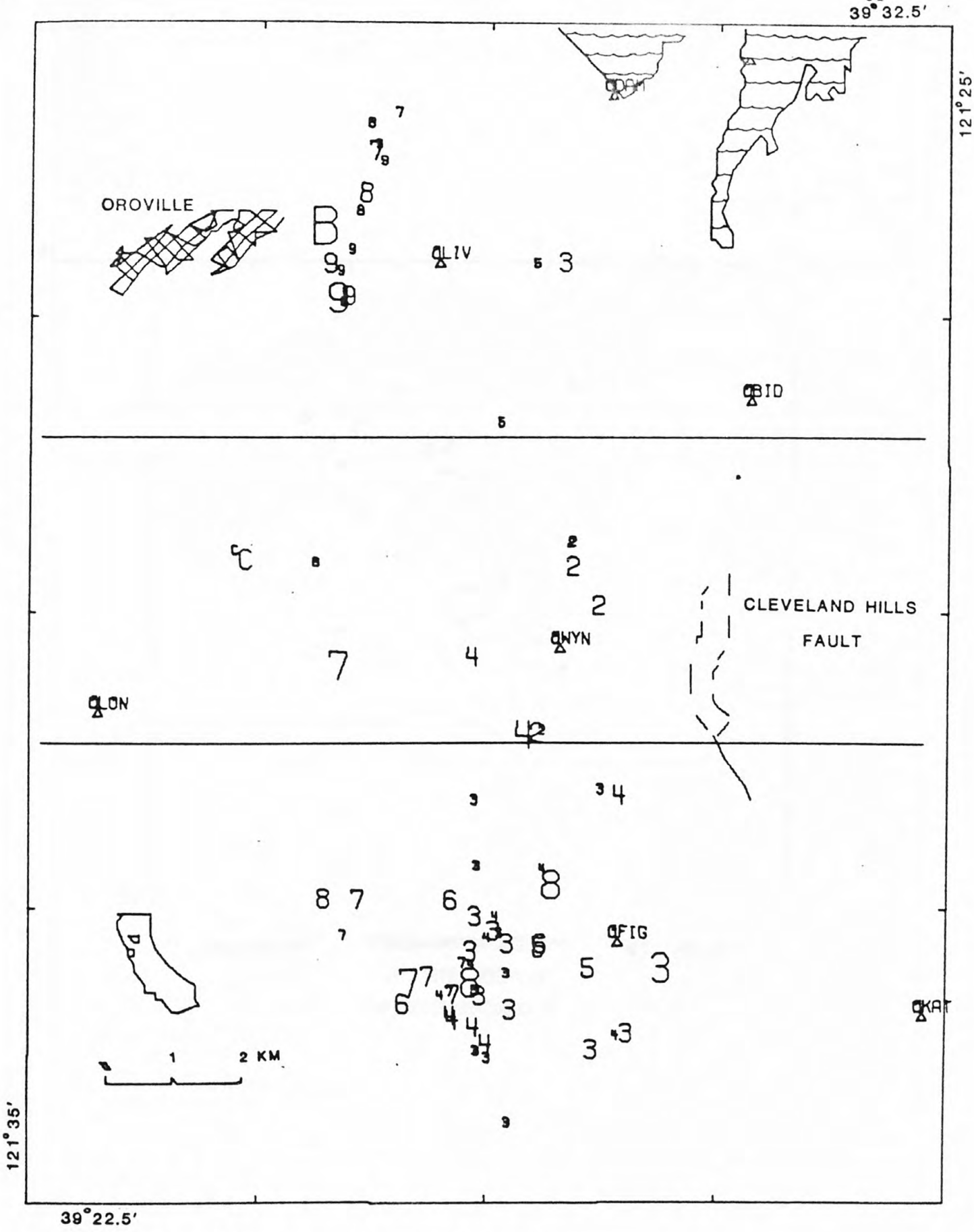

FIGURE 17A OROVILLE AFTERSHOCKS

DECEMBER 1975

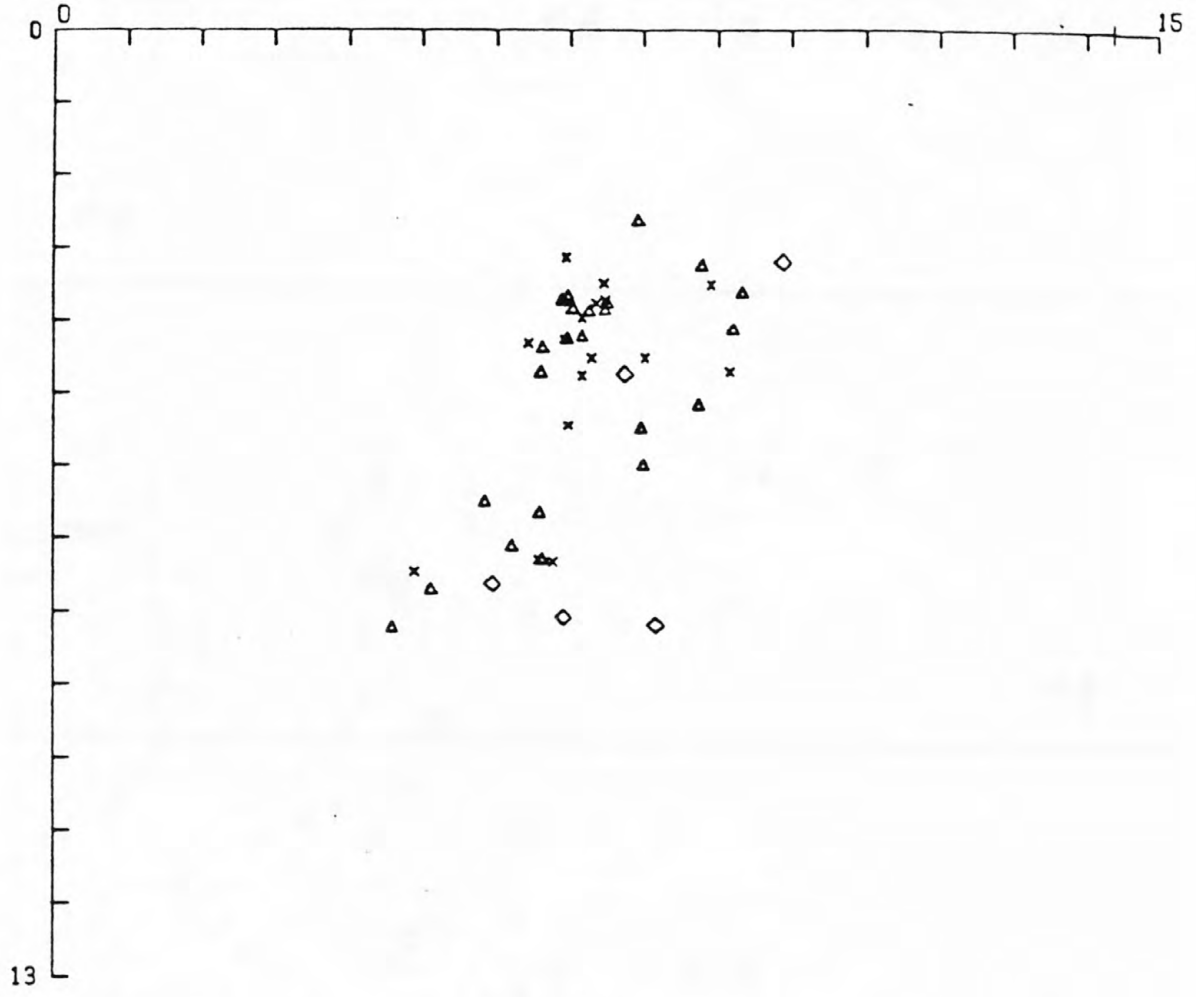

FIGURE 17B OROVILLE AFTERSHOCKS
DECEMBER 1975
S CROSS-SECTION

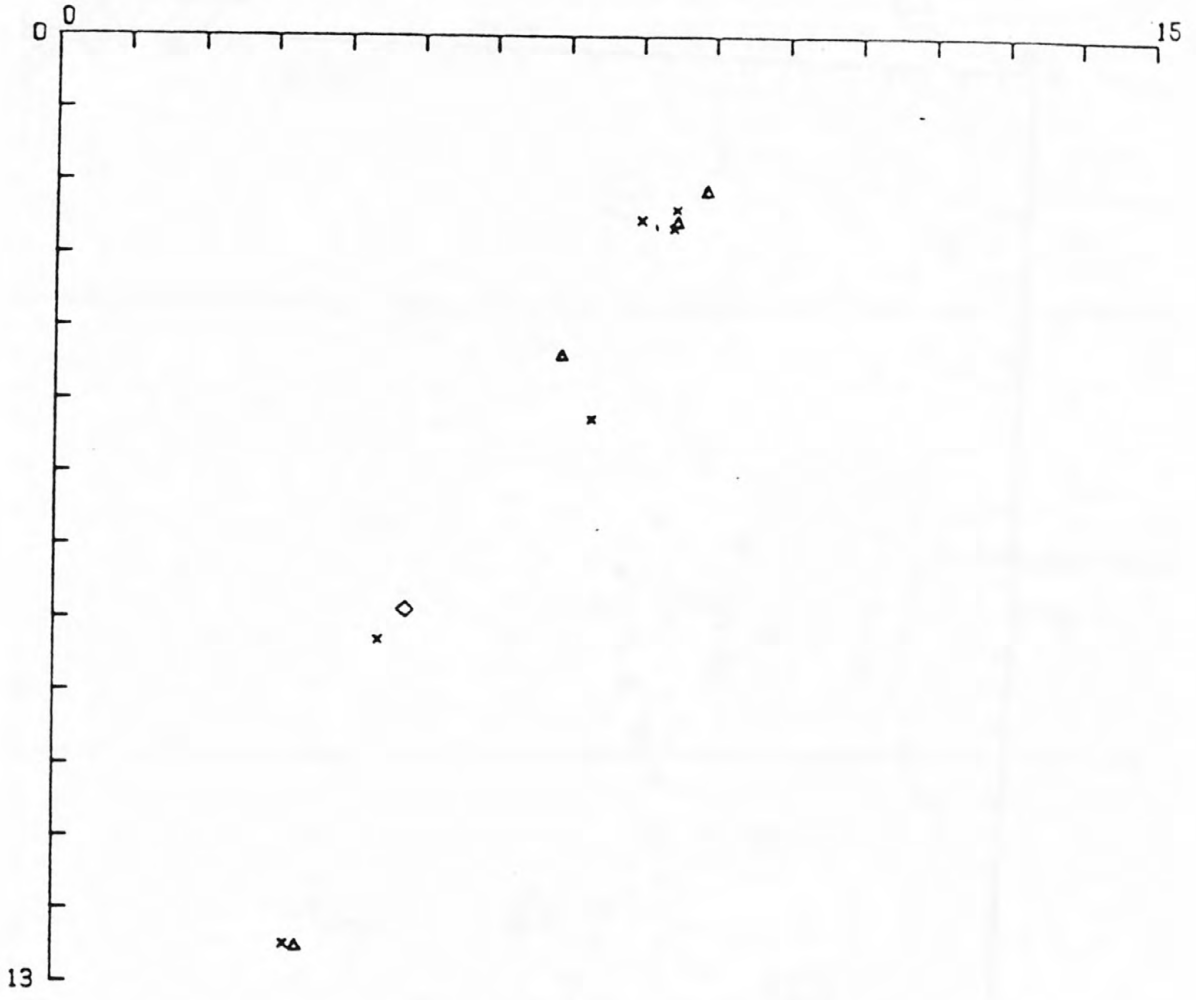

FIGURE 17C OROVILLE AFTERSHOCKS
DECEMBER 1975
M CROSS-SECTION

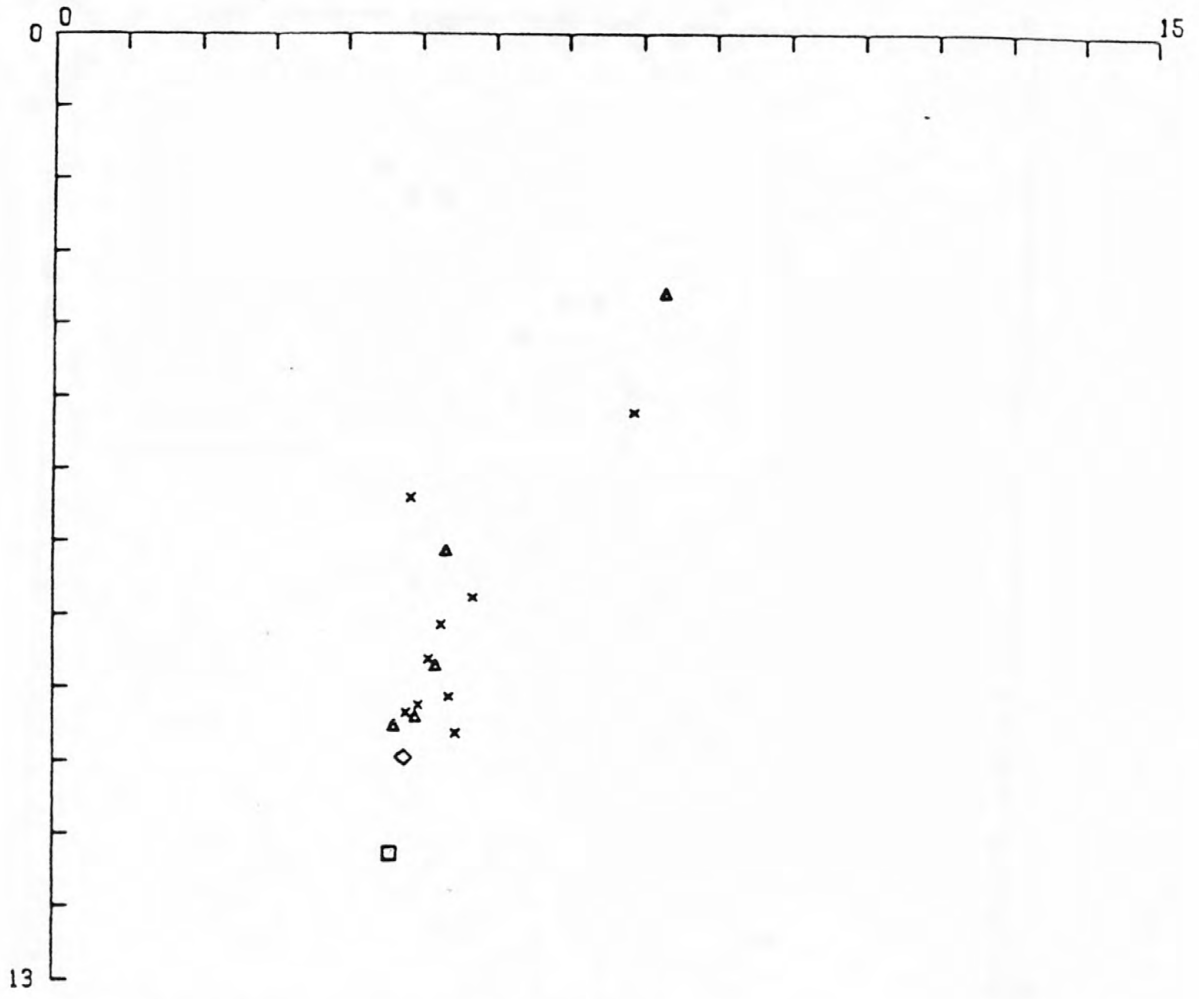

FIGURE 17D OROVILLE AFTERSHOCKS
DECEMBER 1975
N CROSS-SECTION

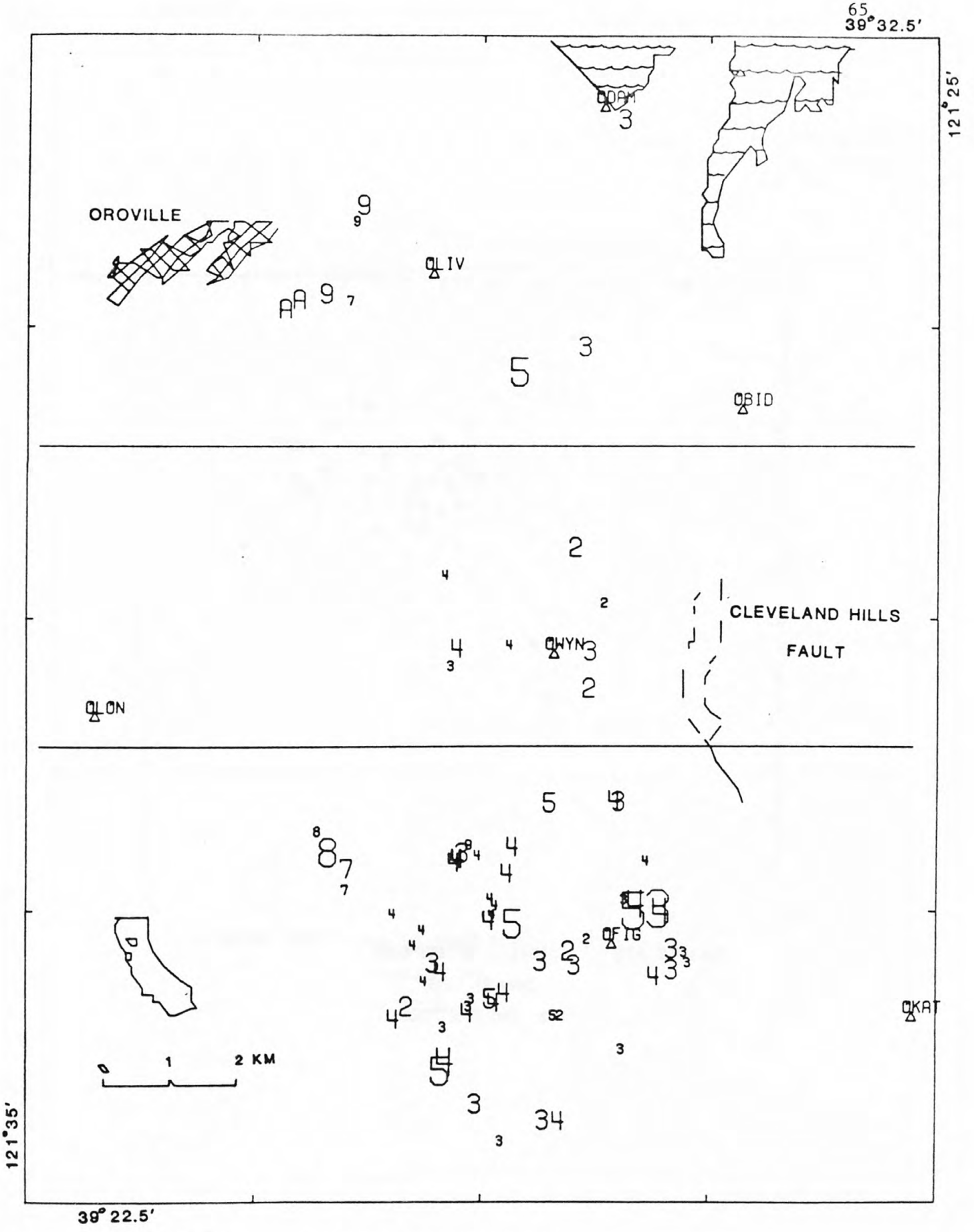

FIGURE 18A OROVILLE AFTERSHOCKS

JANUARY 1976

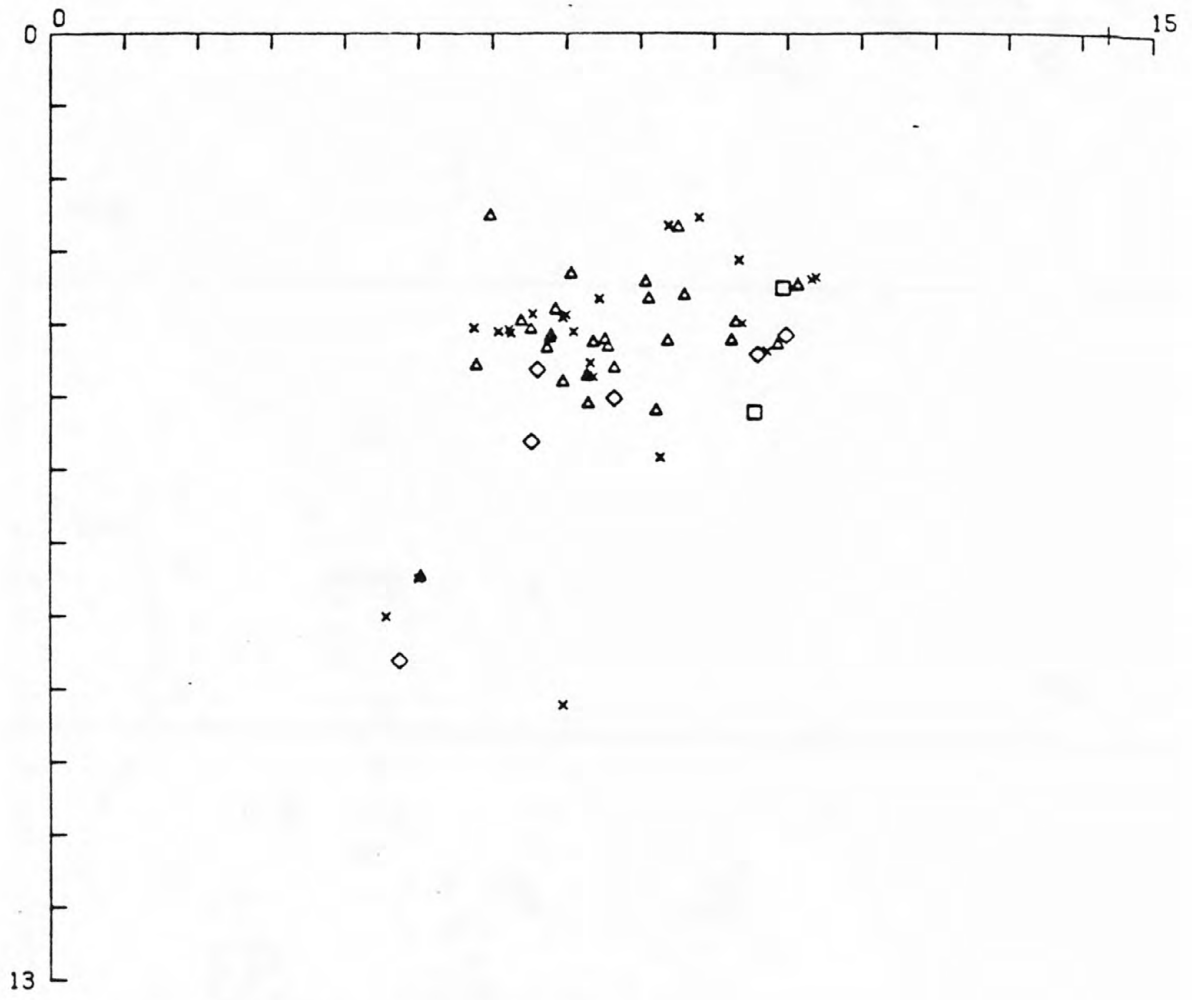

FIGURE 18B OROVILLE AFTERSHOCKS

JANUARY 1976

S CROSS-SECTION

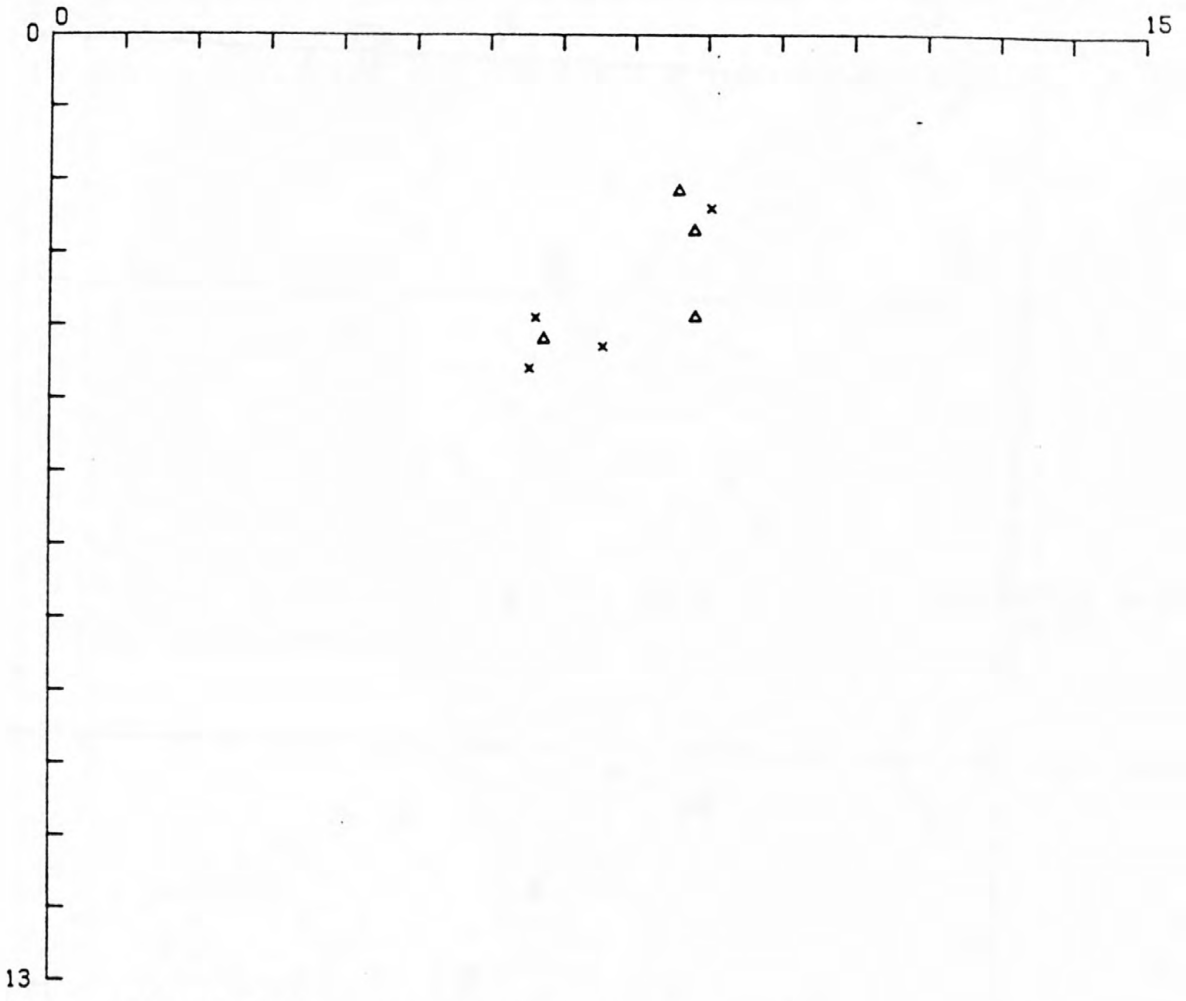

FIGURE 18C OROVILLE AFTERSHOCKS

JANUARY 1976

■ CROSS-SECTION

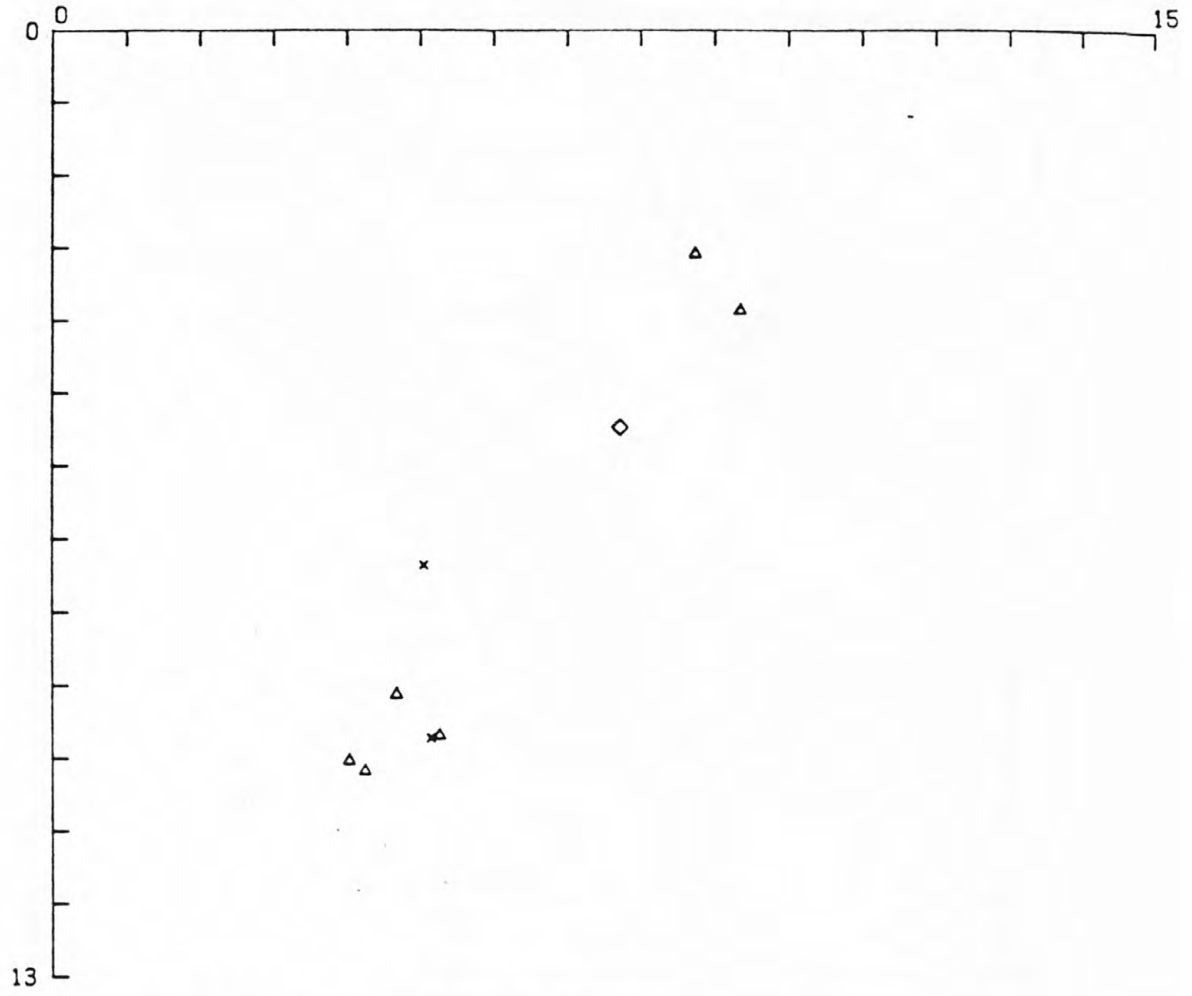

FIGURE 18D OROVILLE AFTERSHOCKS
JANUARY 1976
N CROSS-SECTION

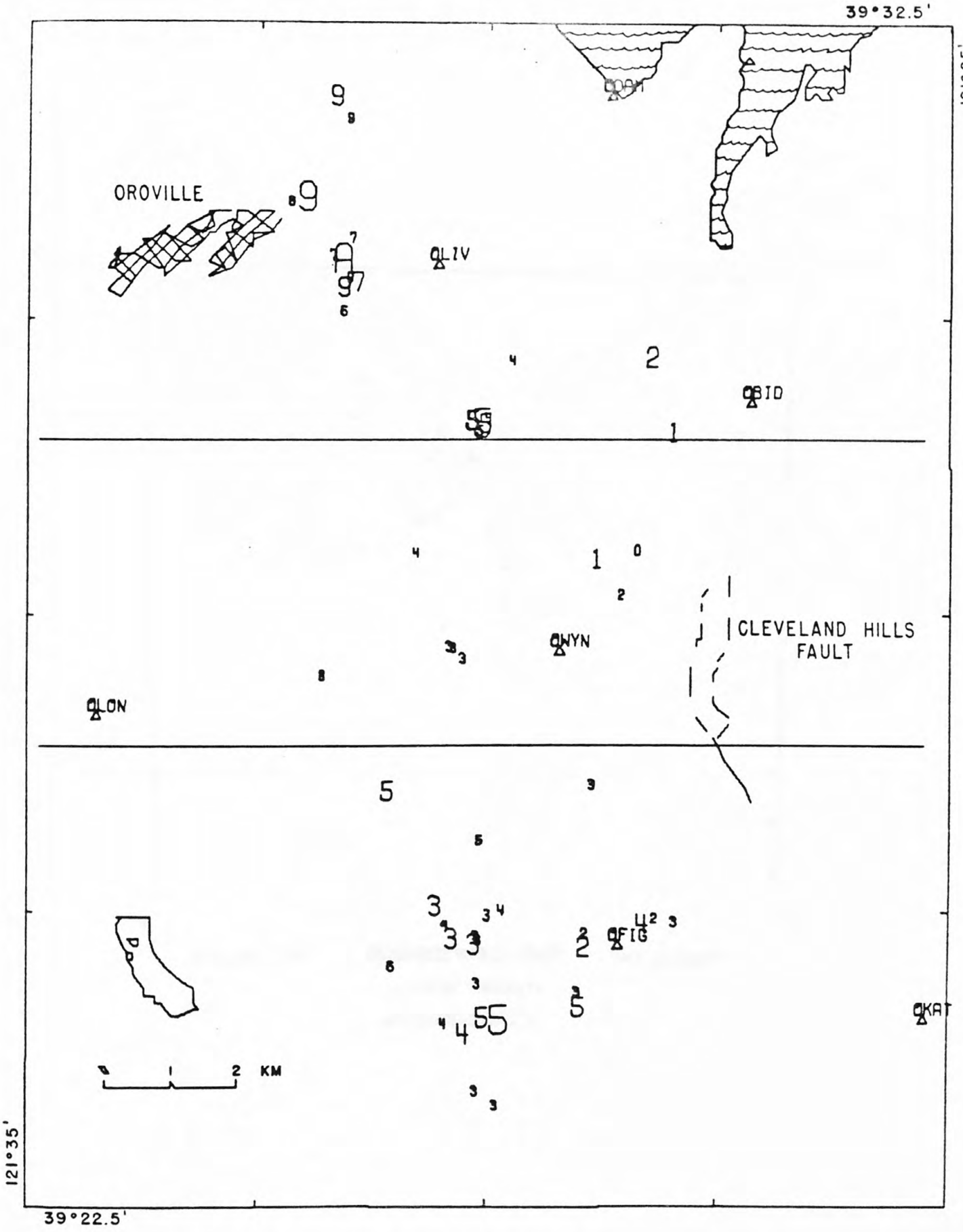

FIGURE 19A OROVILLE AFTERSHOCKS

FEBRUARY 1976

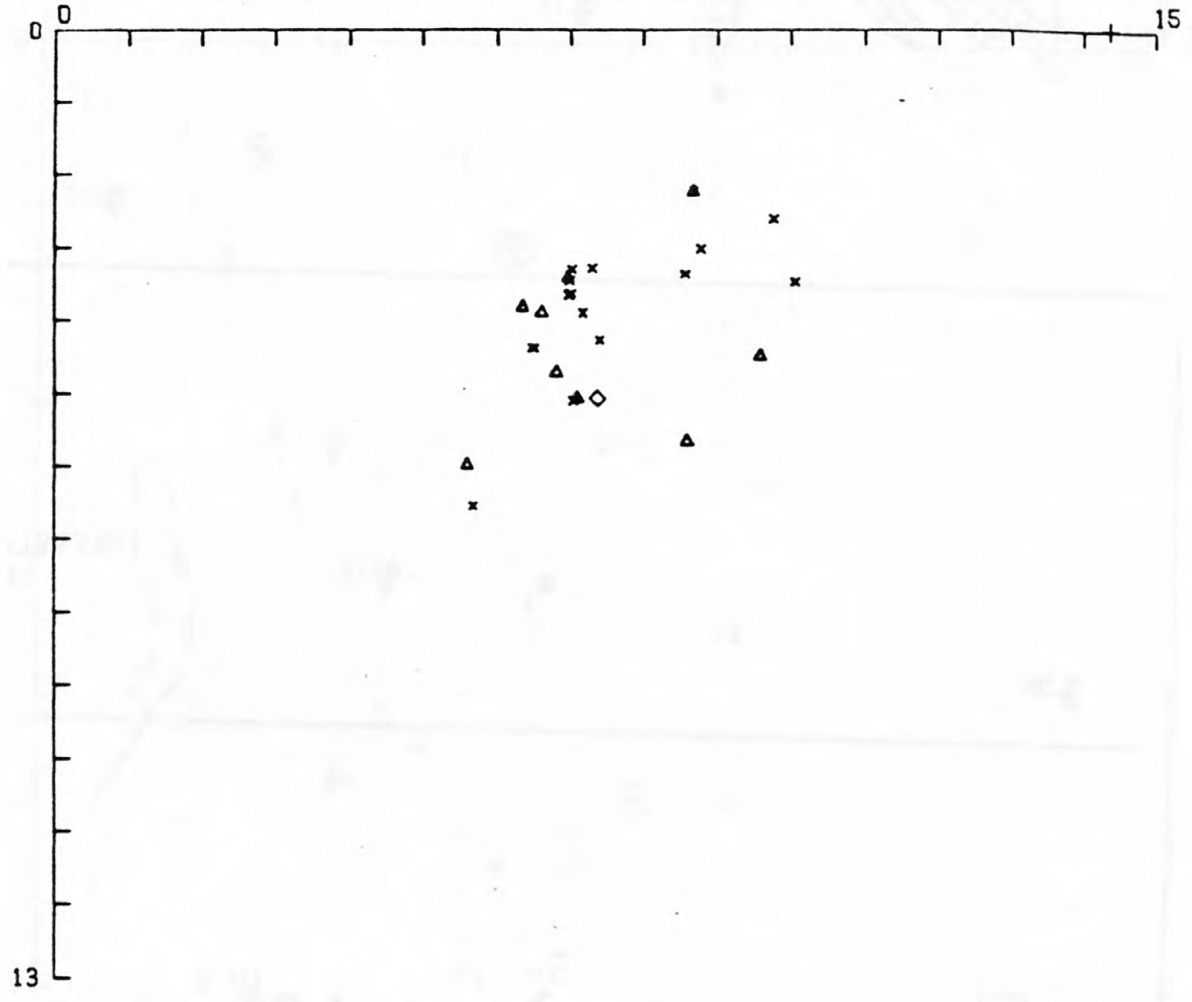

FIGURE 19B OROVILLE AFTERSHOCKS
FEBRUARY 1976
S CROSS-SECTION

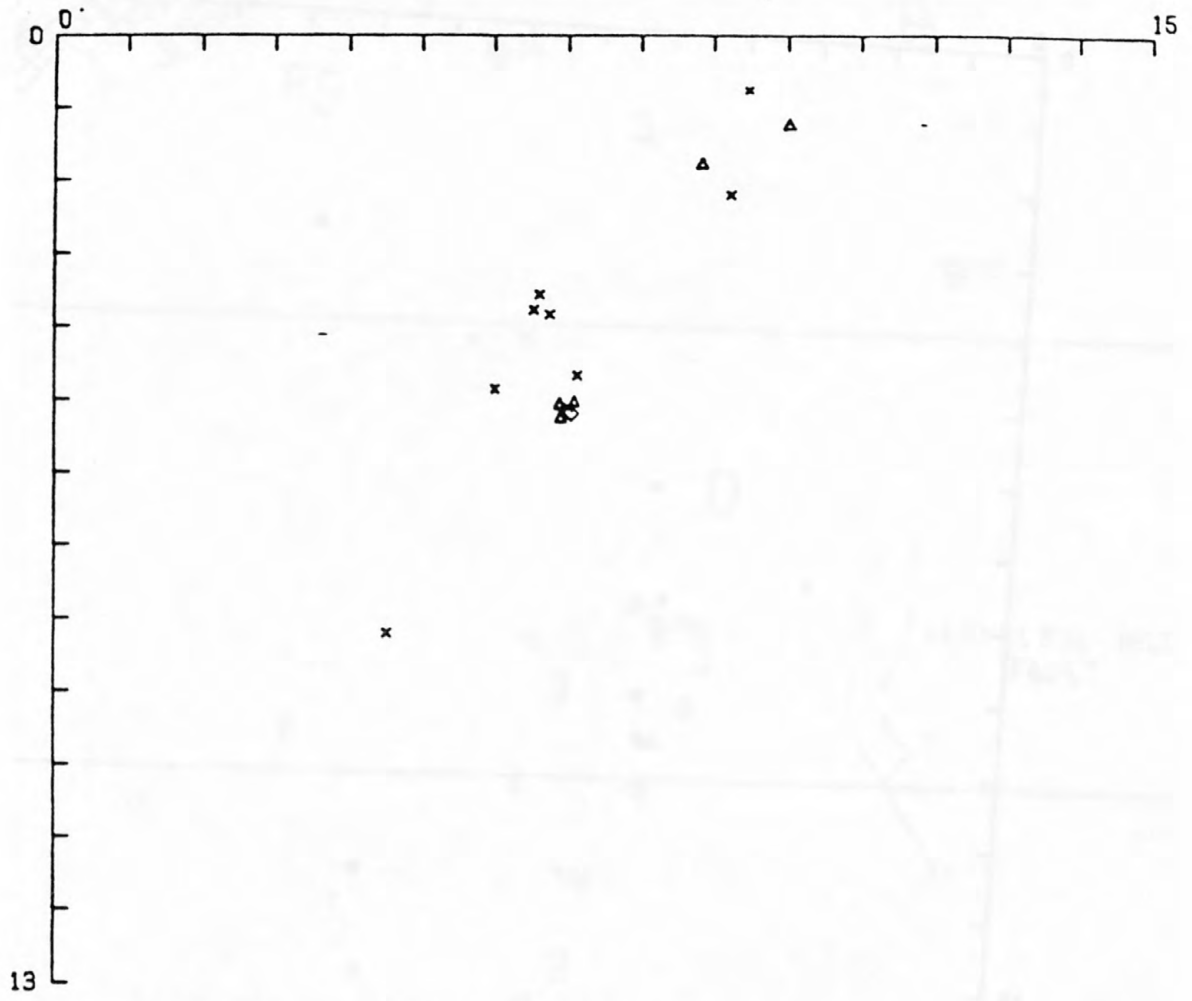

FIGURE 19C OROVILLE AFTERSHOCKS
FEBRUARY 1976
M CROSS-SECTION

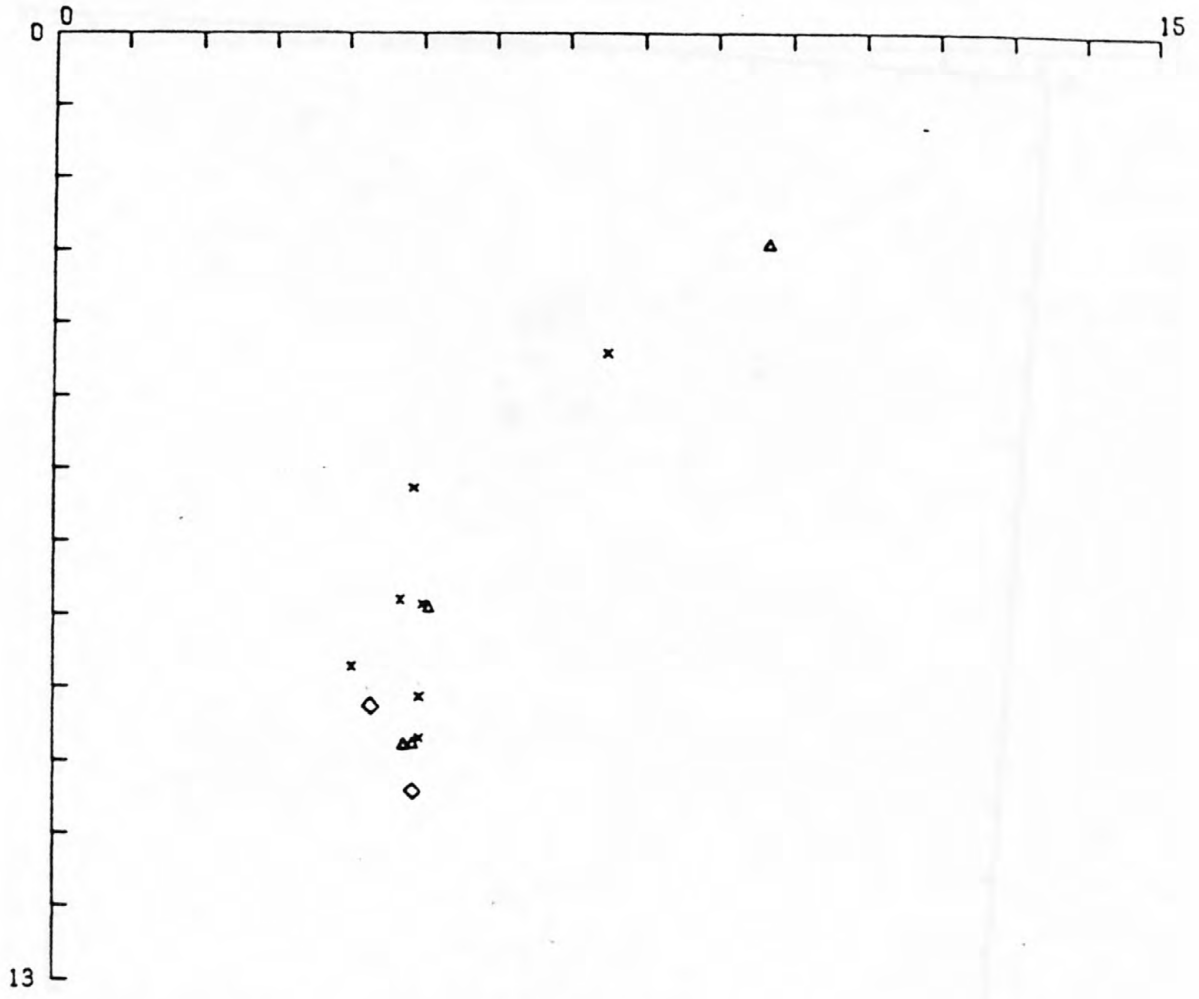

FIGURE 19D OROVILLE AFTERSHOCKS
FEBRUARY 1976
N CROSS-SECTION

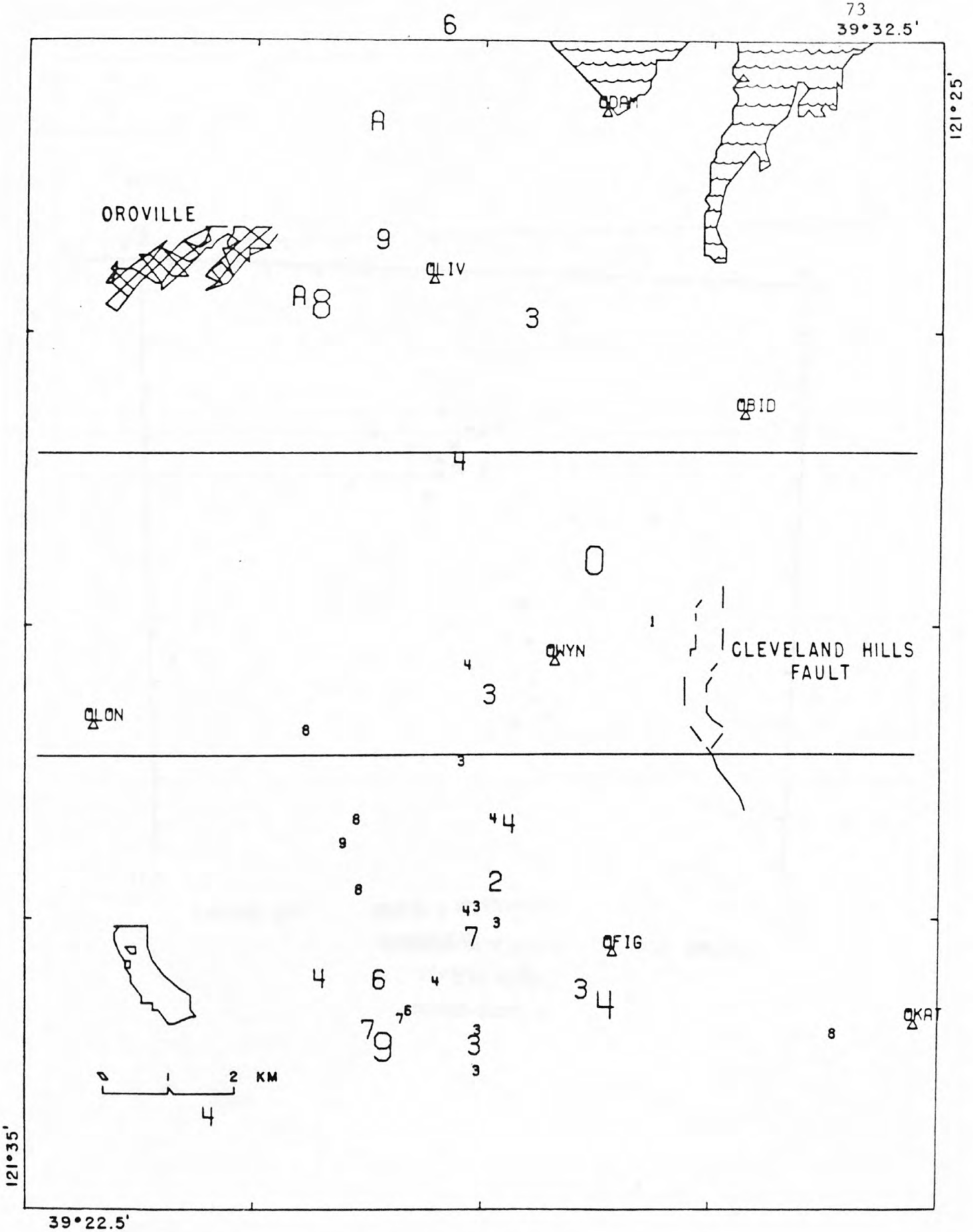

FIGURE 20A OROVILLE AFTERSHOCKS

MARCH 1976

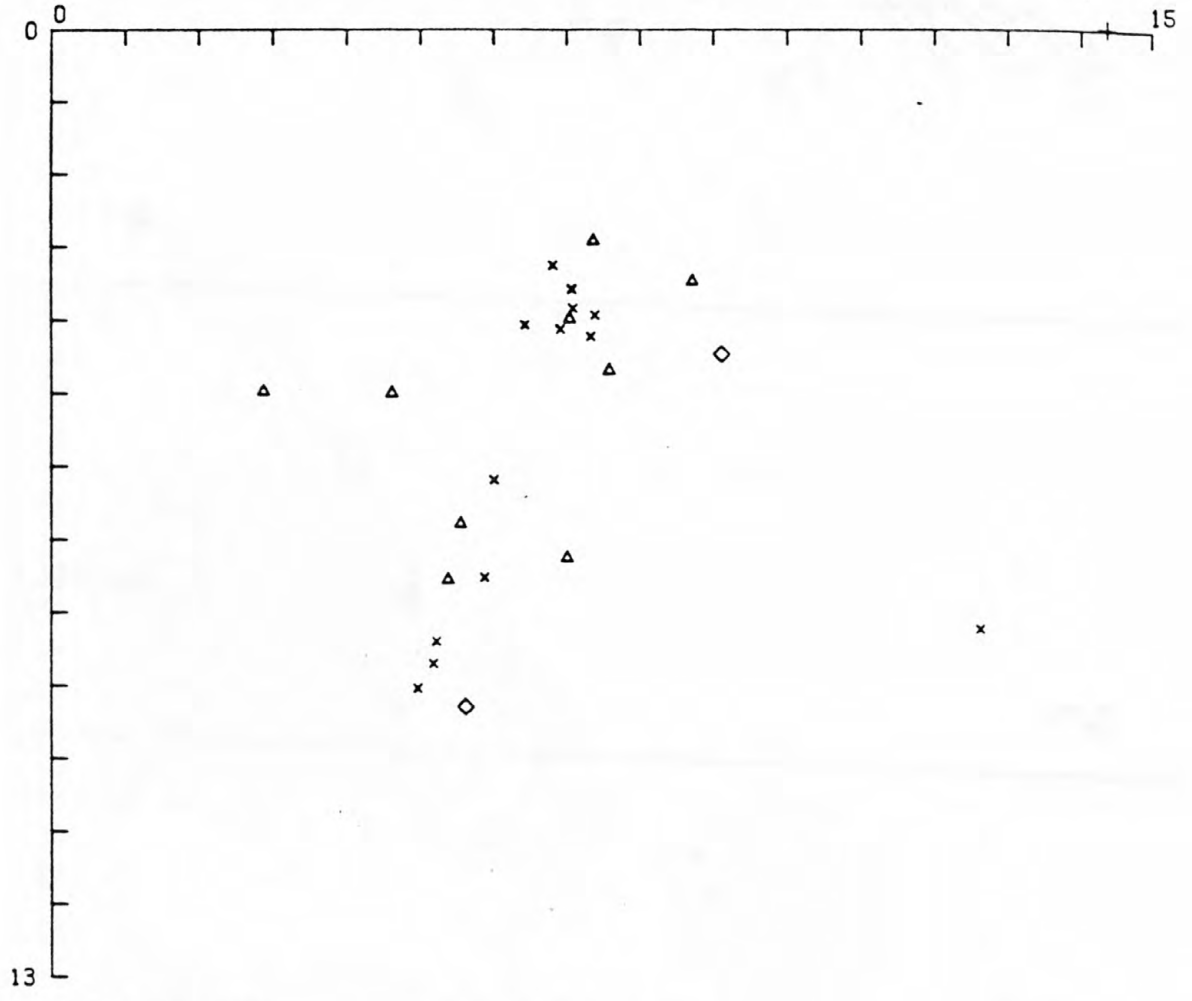

FIGURE 20B

OROVILLE AFTERSHOCKS

MARCH 1976

S CROSS-SECTION

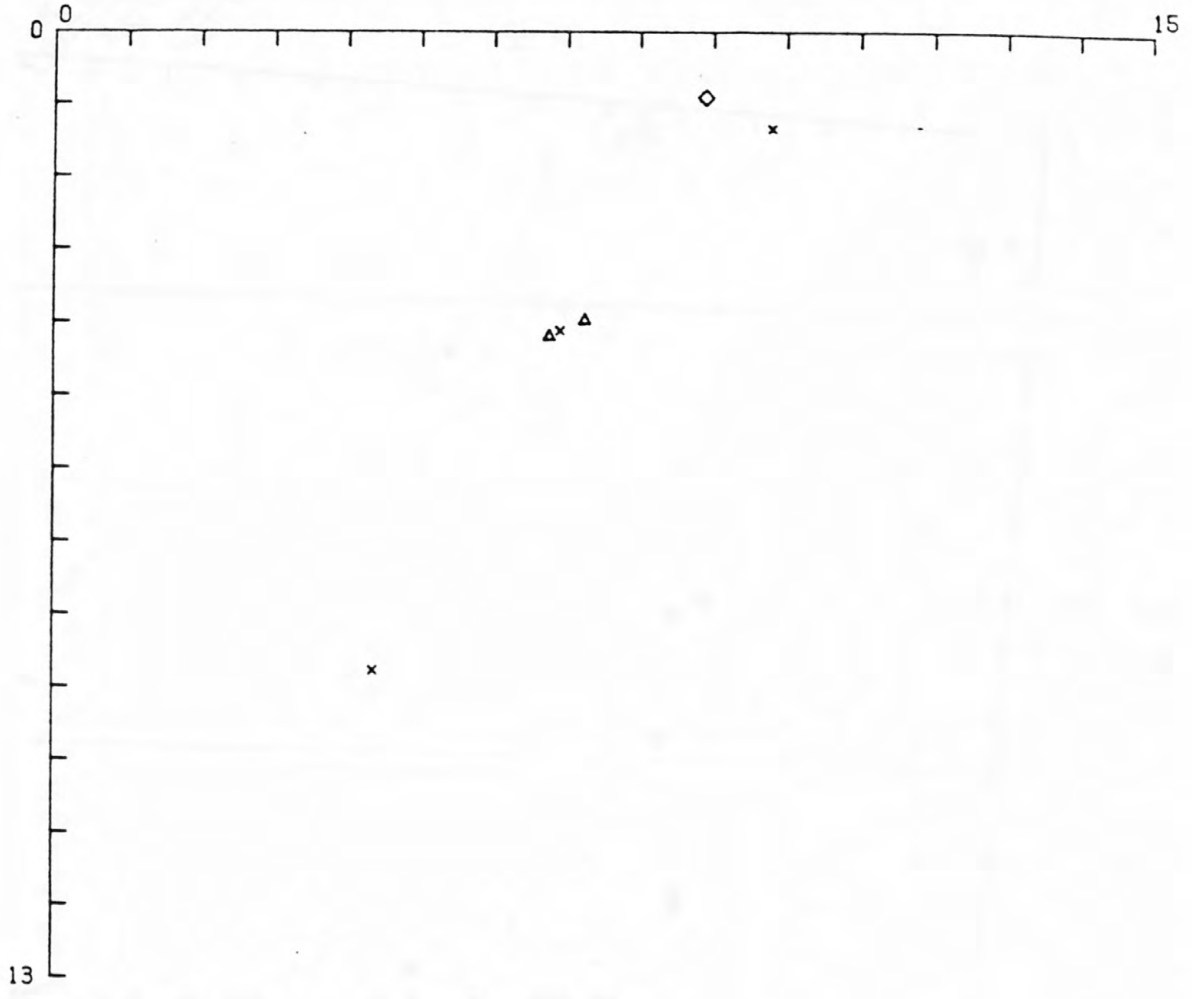

FIGURE 20C OROVILLE AFTERSHOCKS
MARCH 1976
M CROSS-SECTION

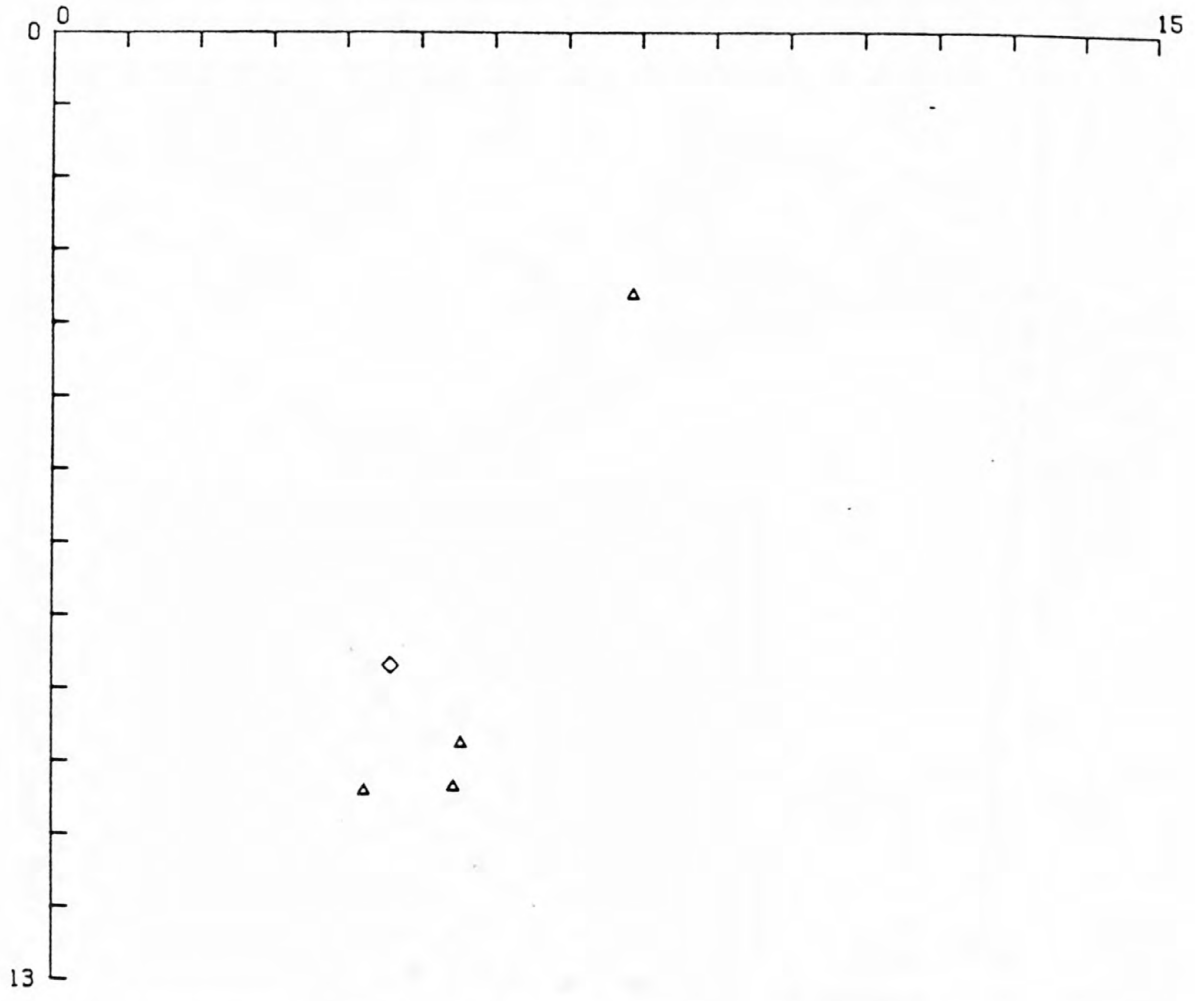

FIGURE 20D OROVILLE AFTERSHOCKS
MARCH 1976
N CROSS-SECTION

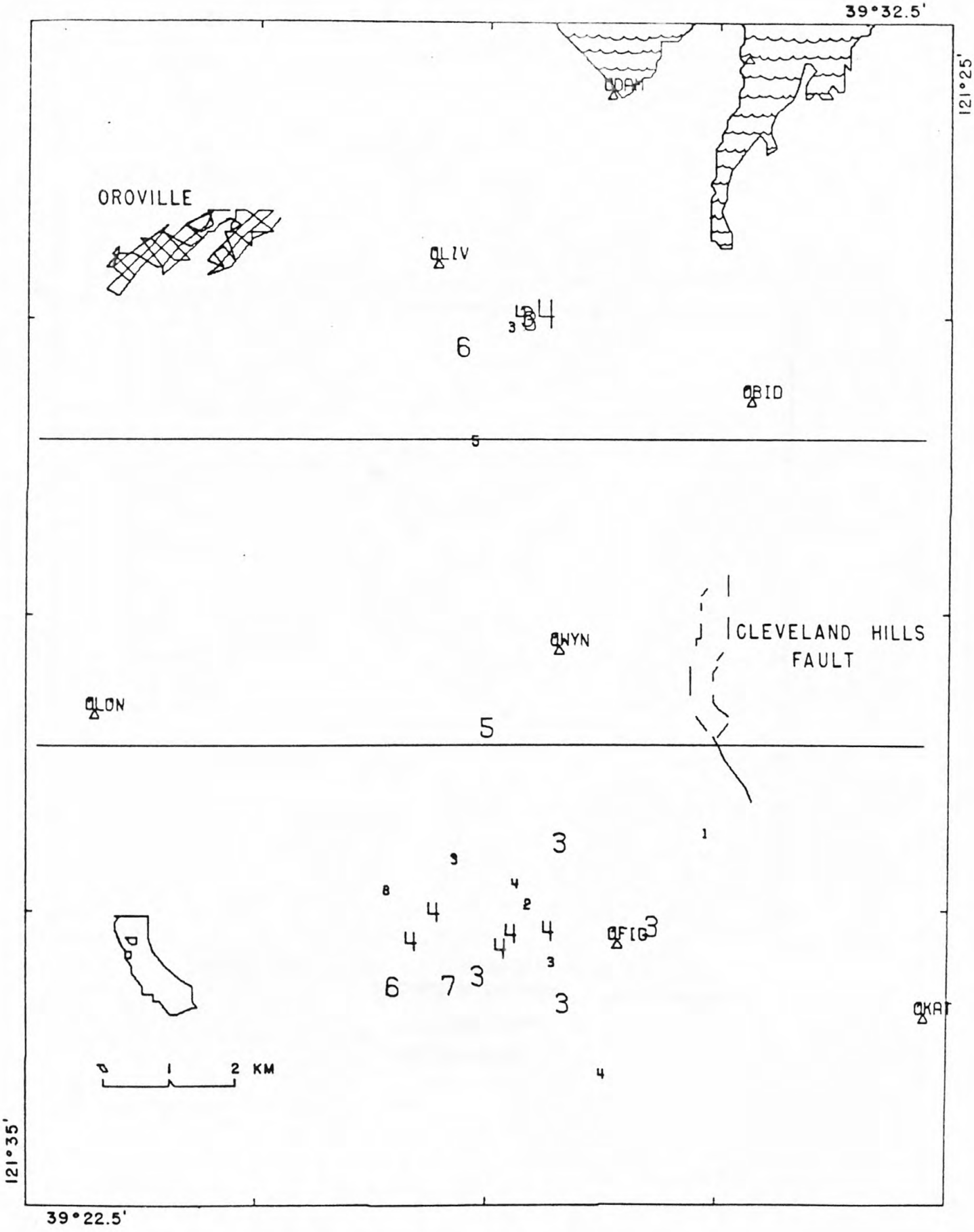

FIGURE 21A OROVILLE AFTERSHOCKS

APRIL 1976

NUMBER PLOTTED IS DEPTH (KM)

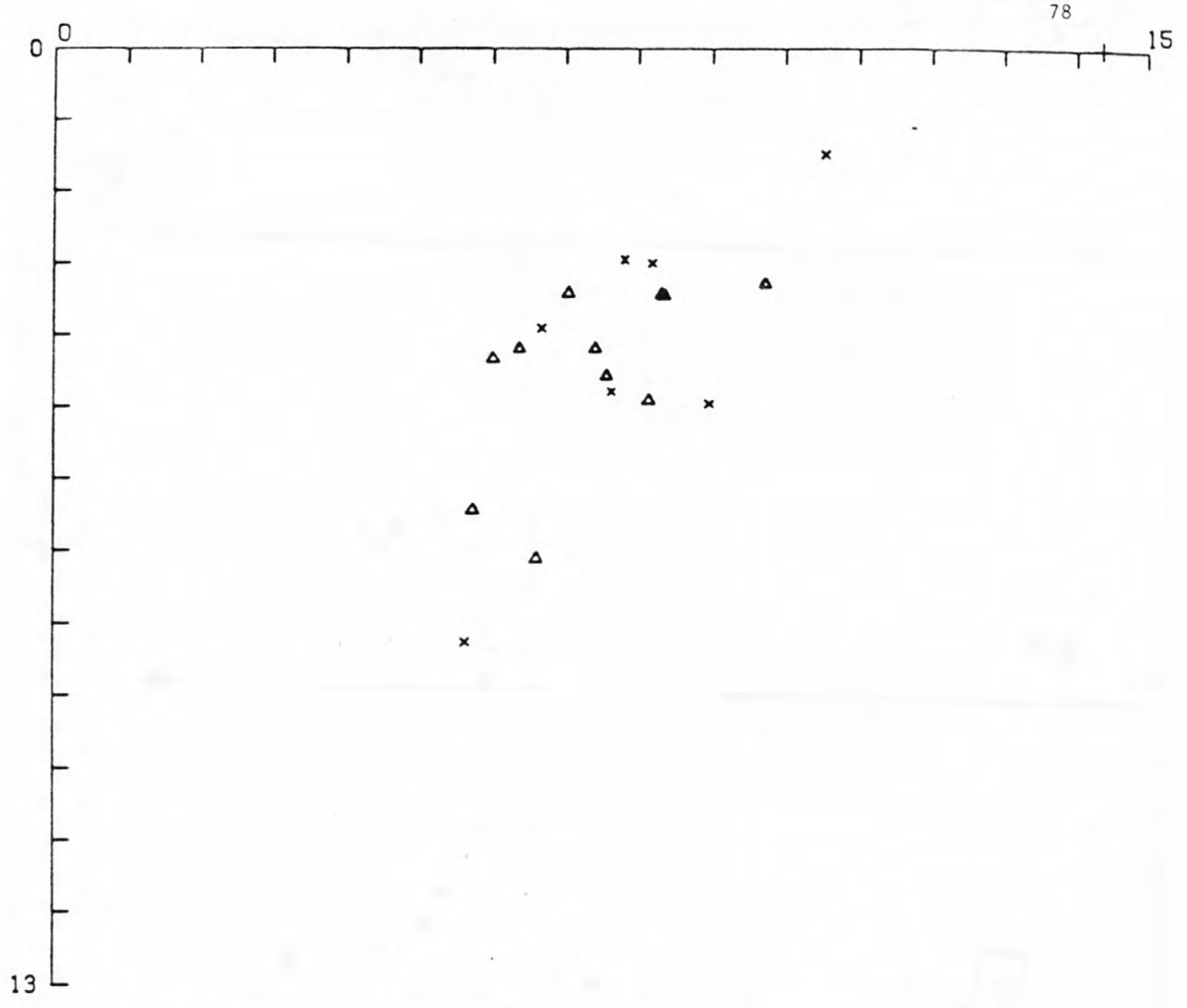

FIGURE 21B OROVILLE AFTERSHOCKS
APRIL 1976
S CROSS-SECTION

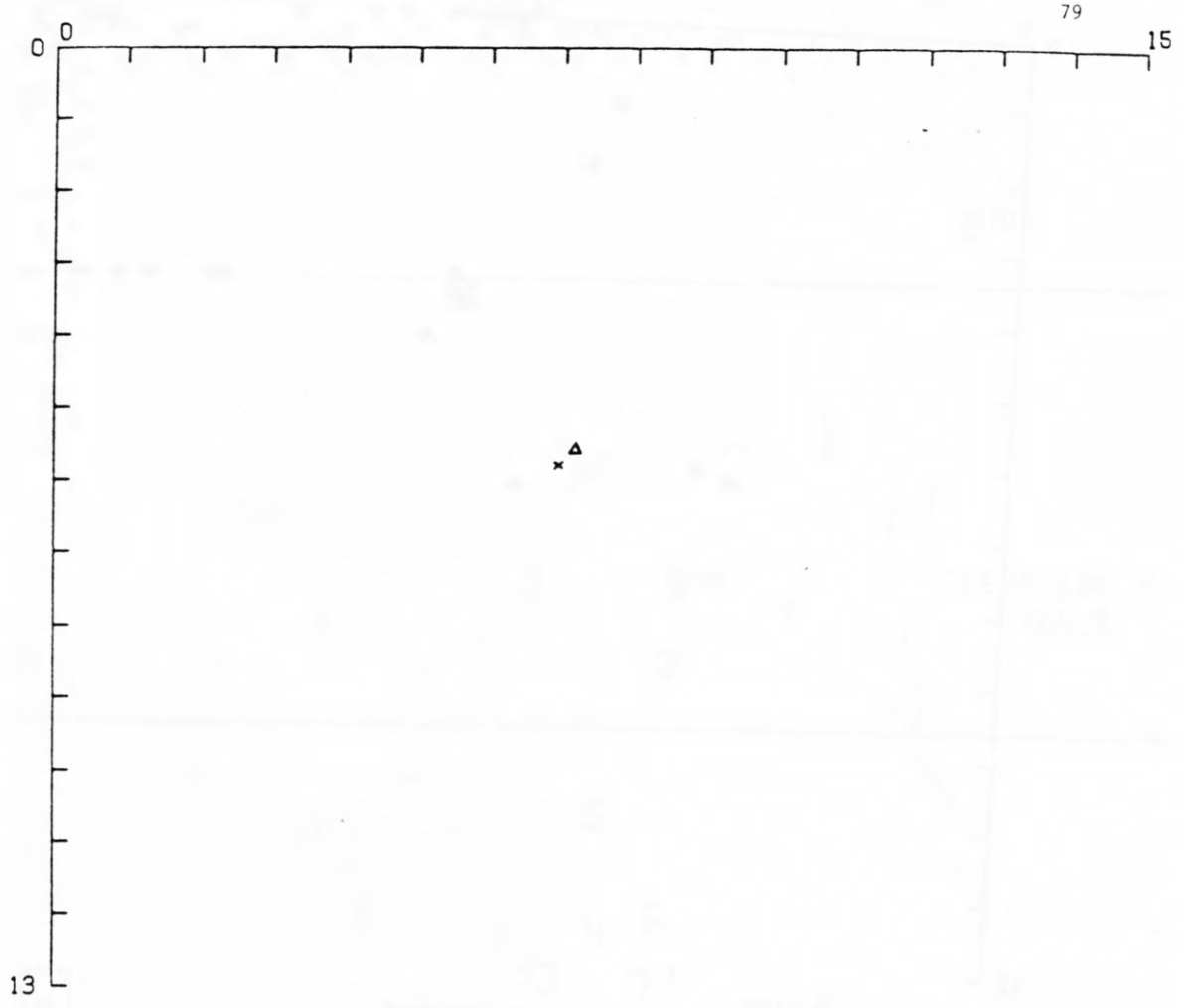

FIGURE 21C OROVILLE AFTERSHOCKS
APRIL 1976
M CROSS-SECTION

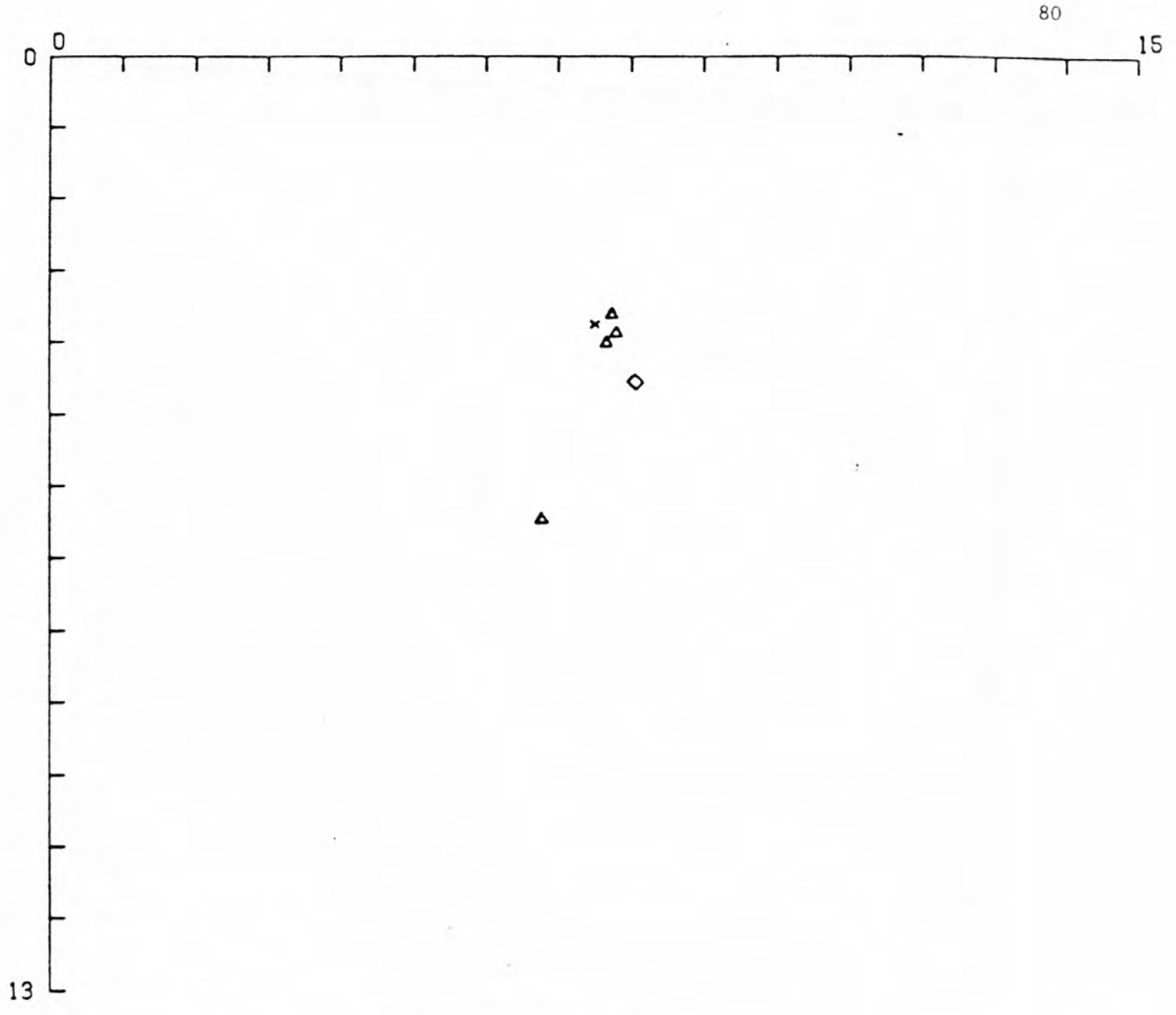

FIGURE 21D OROVILLE AFTERSHOCKS
APRIL 1976
N CROSS-SECTION

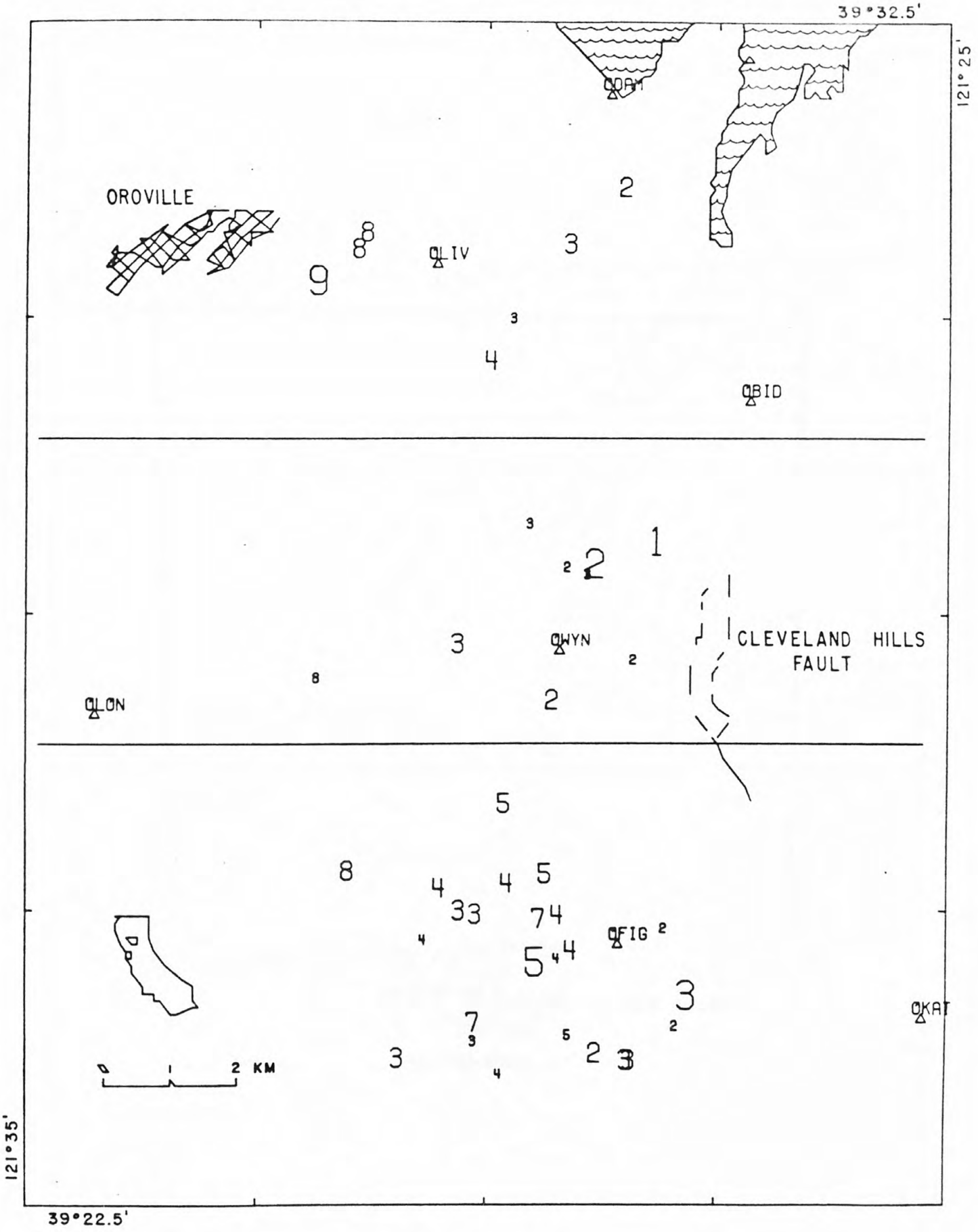

FIGURE 22A OROVILLE AFTERSHOCKS

MAY 1976

NUMBER PLOTTED IS DEPTH (KM)

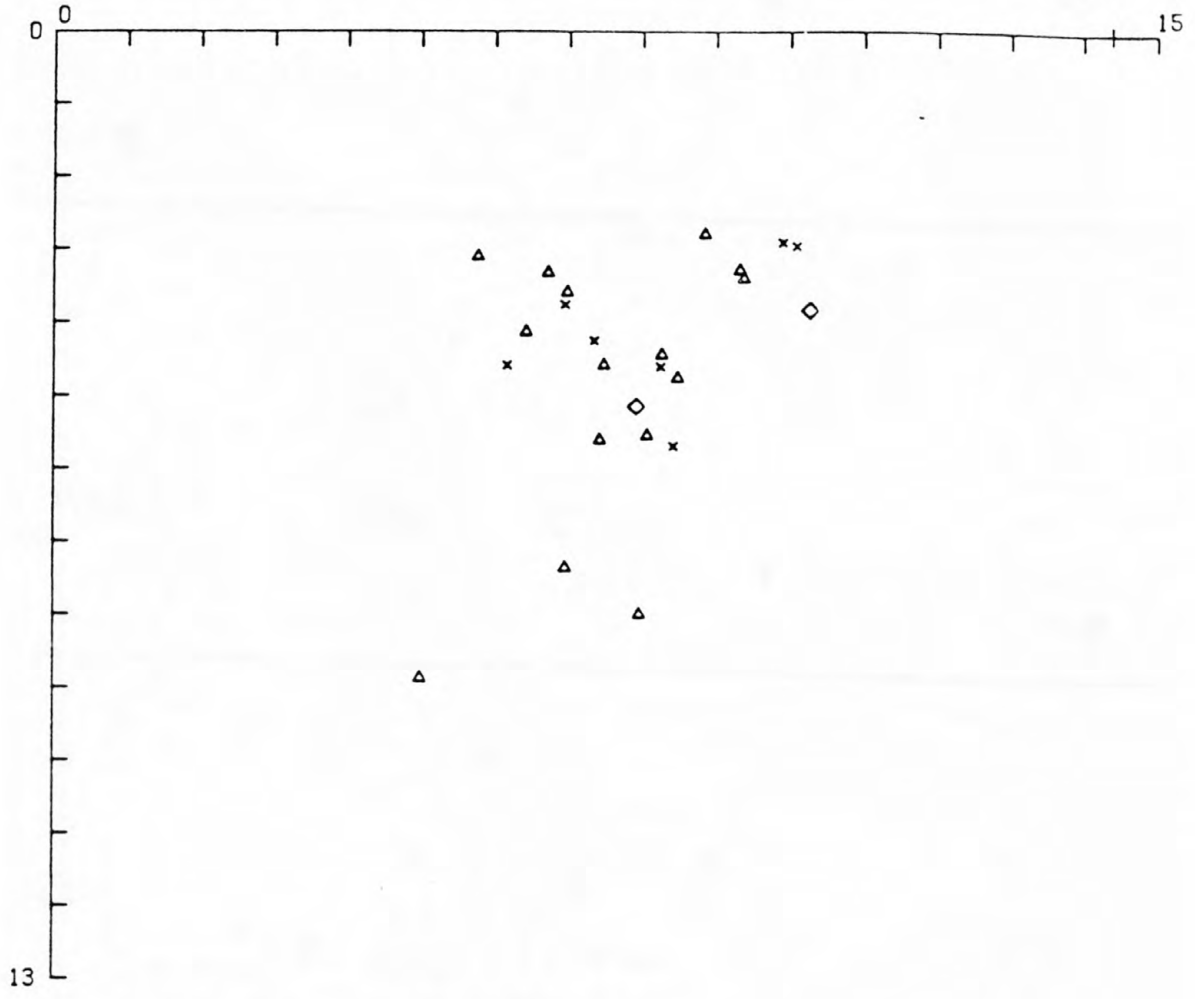

FIGURE 22B OROVILLE AFTERSHOCKS

MAY 1976

S CROSS-SECTION

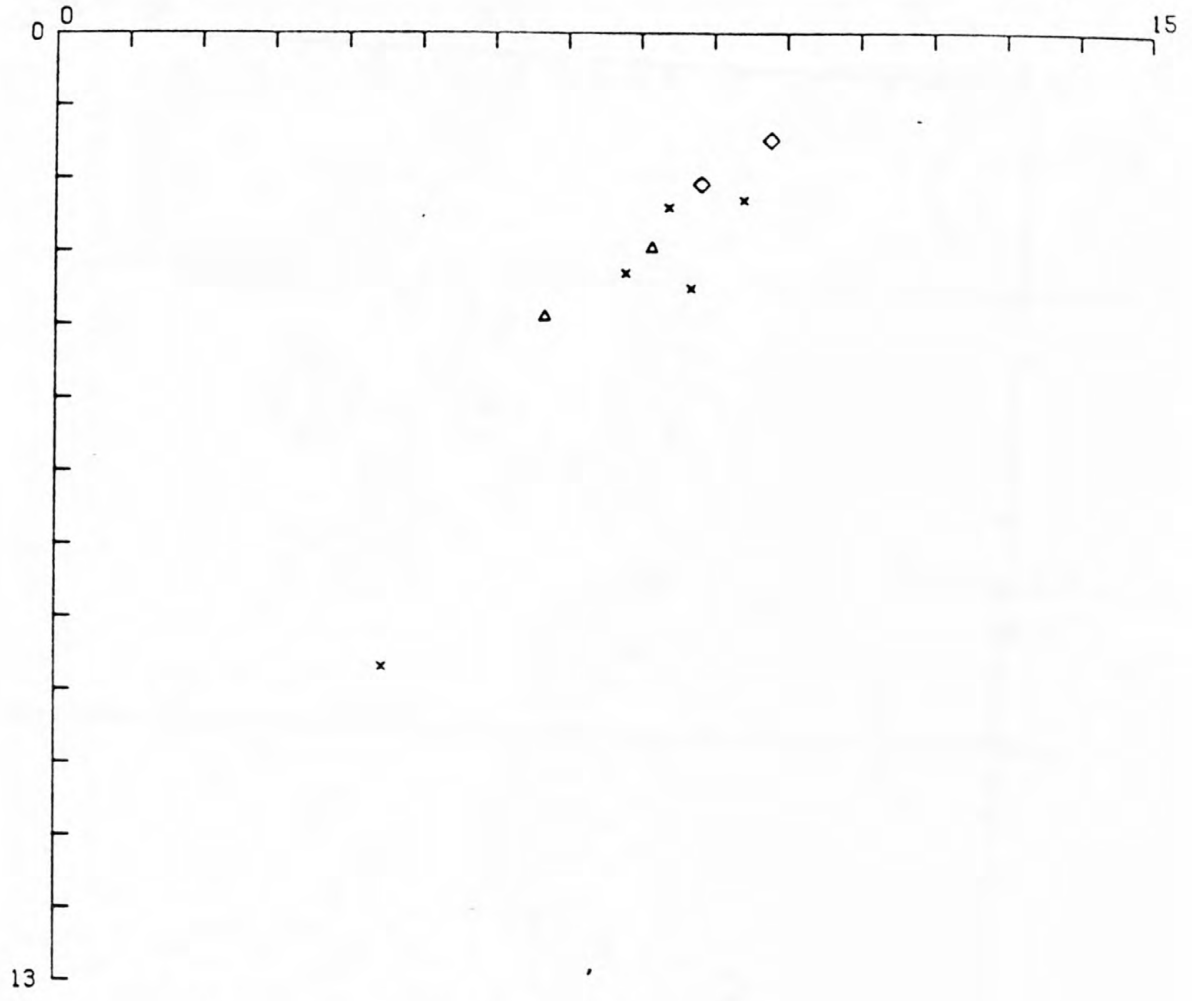

FIGURE 22C OROVILLE AFTERSHOCKS
MAY 1976
M CROSS-SECTION

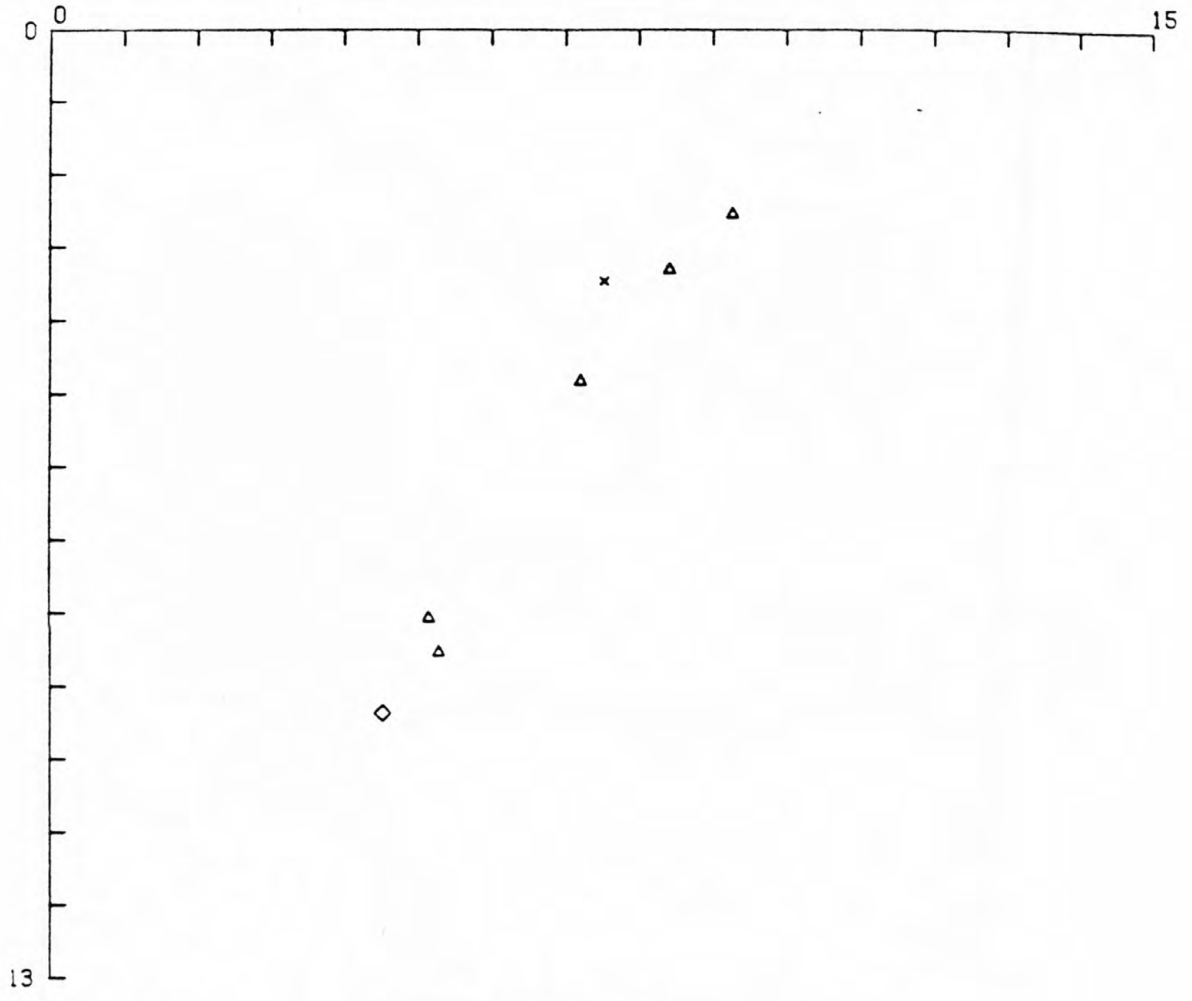

FIGURE 22D OROVILLE AFTERSHOCKS
MAY 1976
N CROSS-SECTION

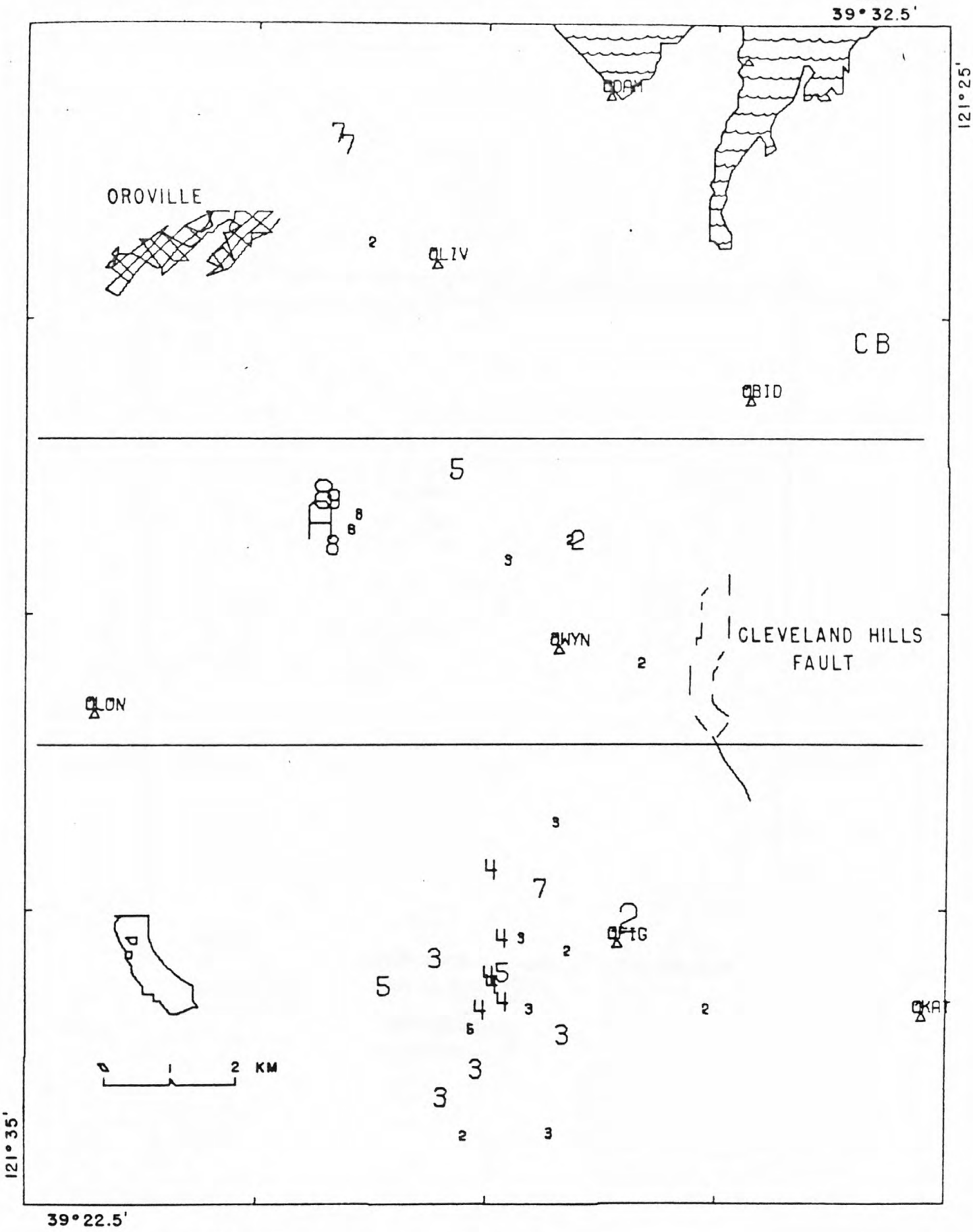

FIGURE 23A OROVILLE AFTERSHOCKS

JUNE 1976

NUMBER PLOTTED IS DEPTH (KM)

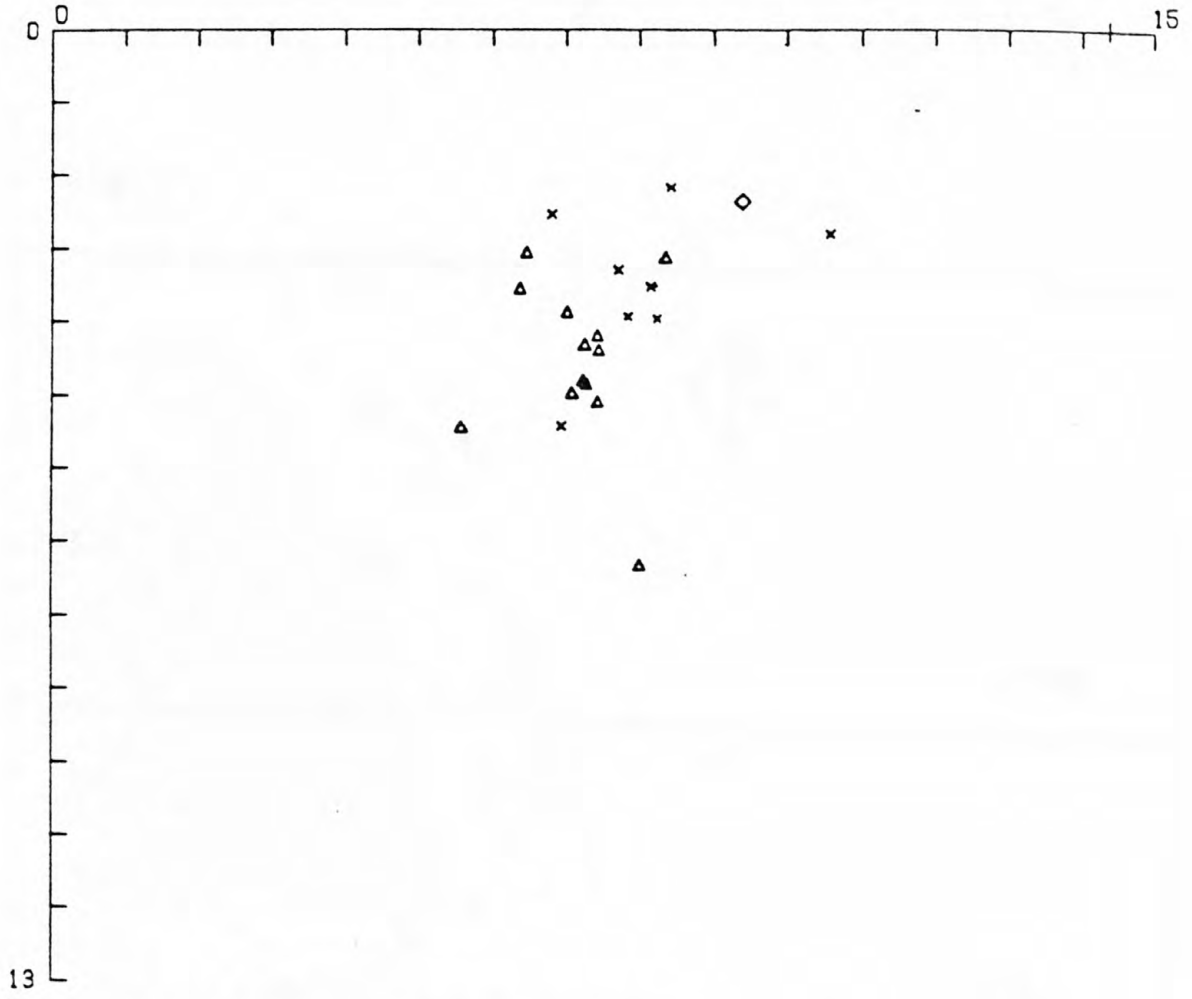

FIGURE 23B OROVILLE AFTERSHOCKS
5 JUNE 1976
CROSS-SECTION

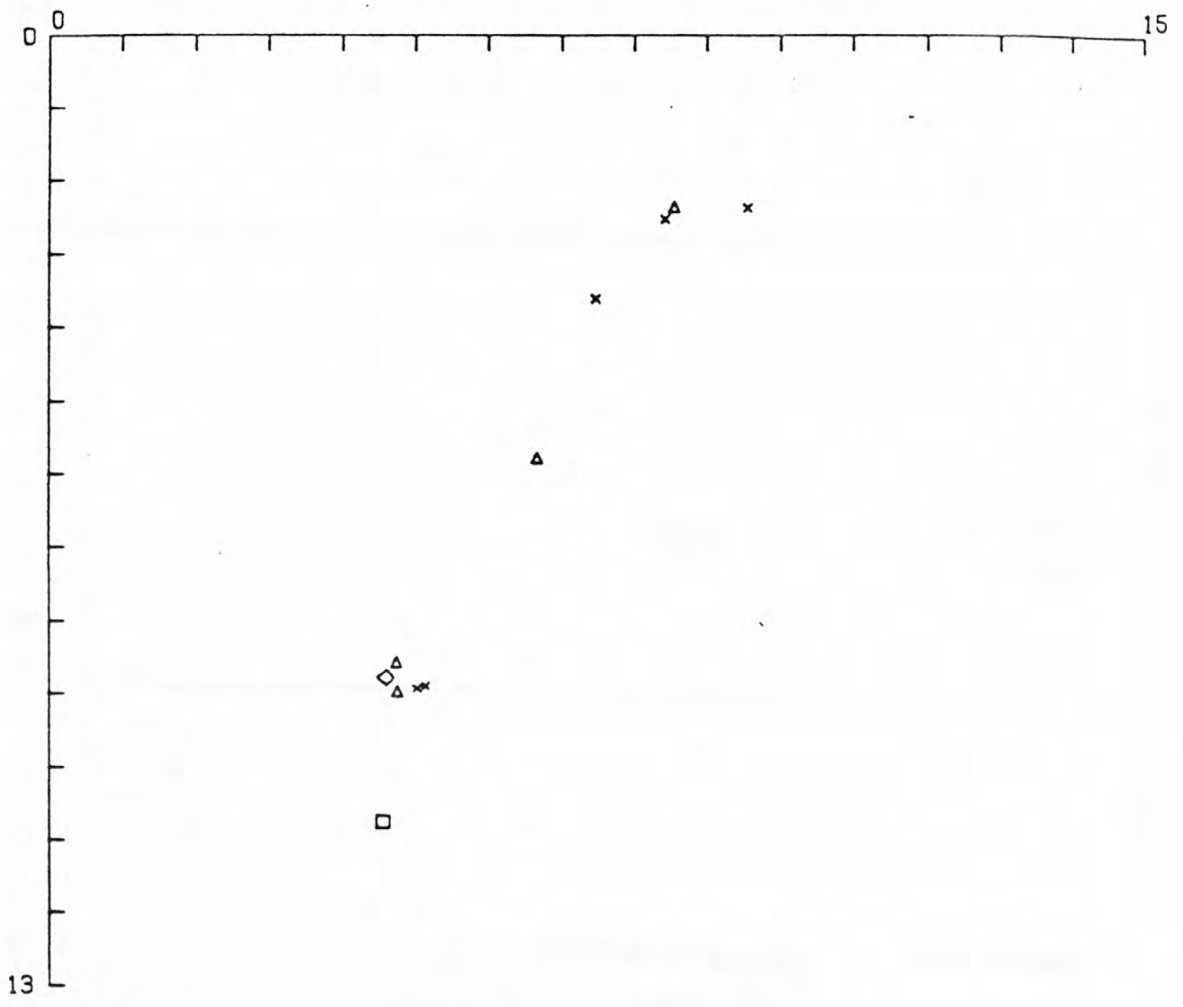

FIGURE 23C OROVILLE AFTERSHOCKS
JUNE 1976
M CROSS-SECTION

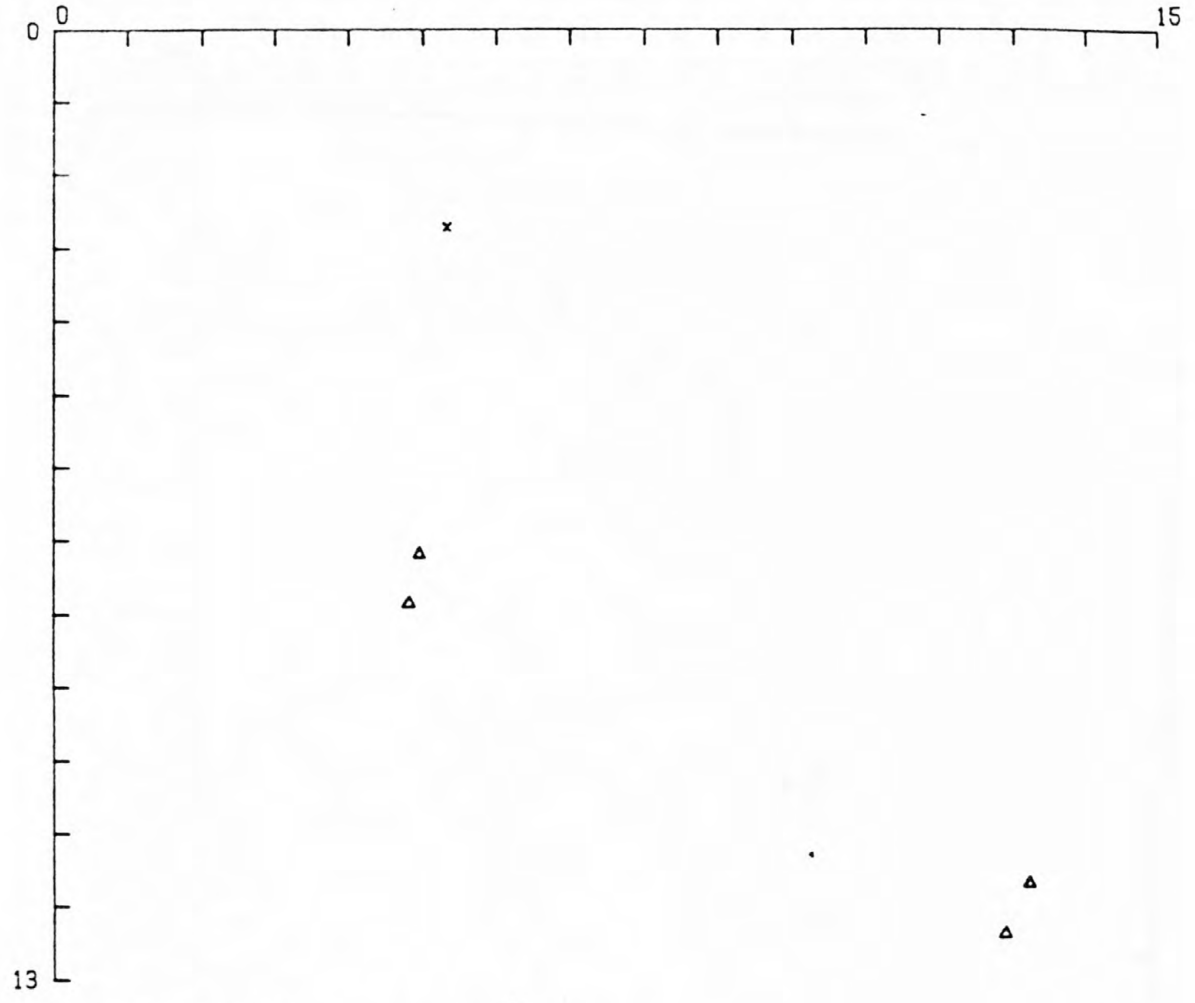

FIGURE 23D OROVILLE AFTERSHOCKS
JUNE 1976
N CROSS-SECTION

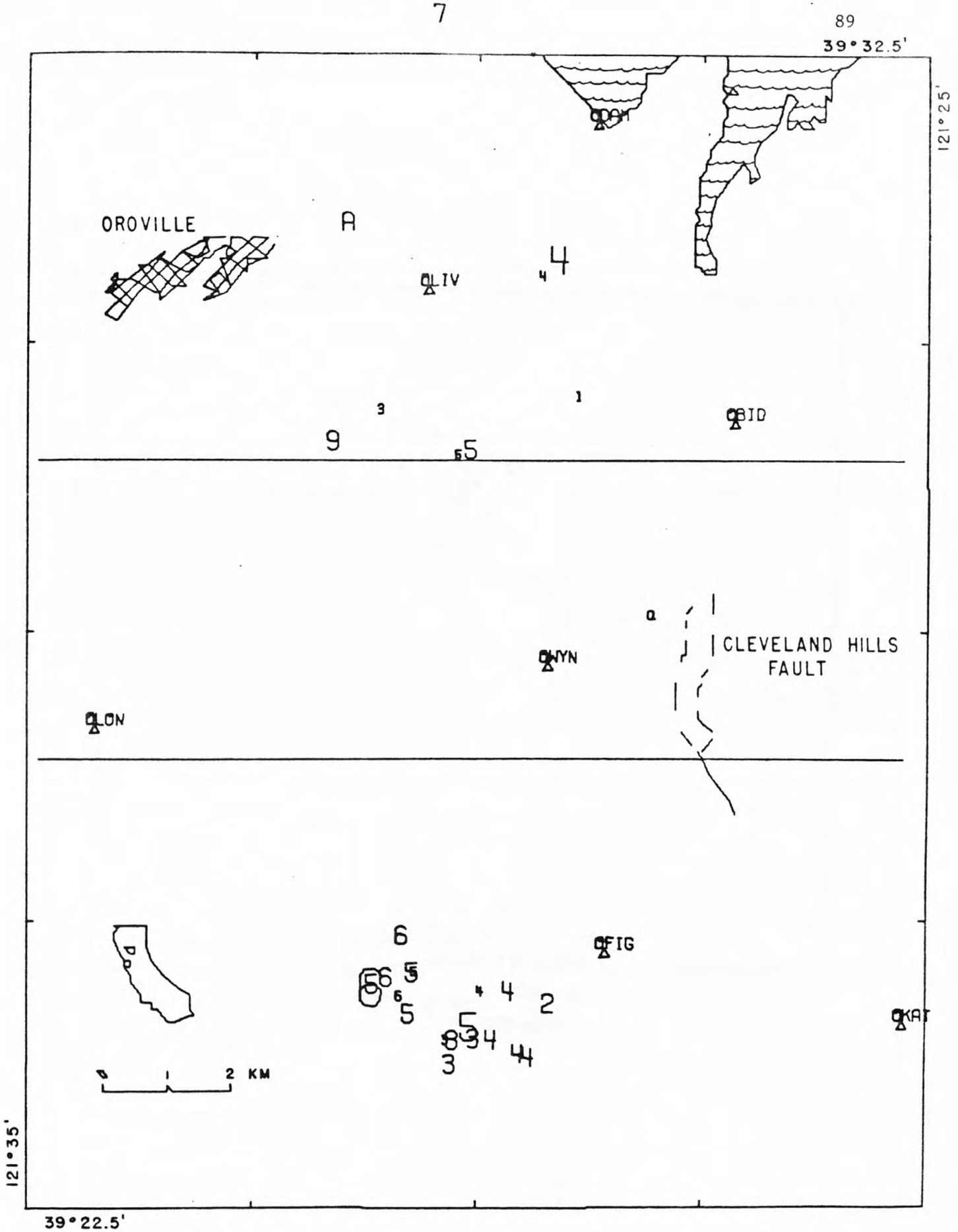

FIGURE 24A OROVILLE AFTERSHOCKS

JULY 1976

NUMBER PLOTTED IS DEPTH (KM)

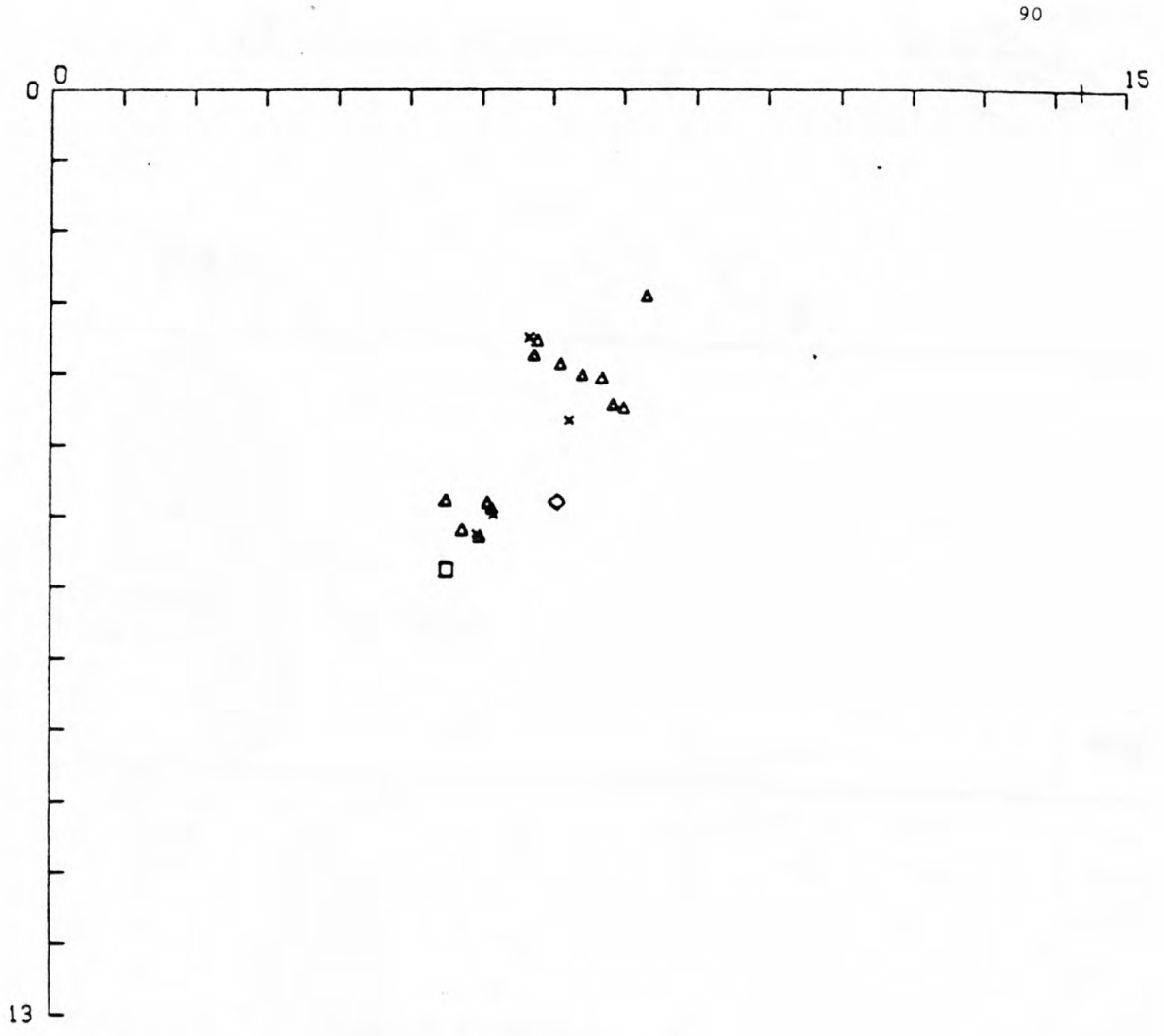

FIGURE 24B OROVILLE AFTERSHOCKS
JULY 1976
S CROSS-SECTION

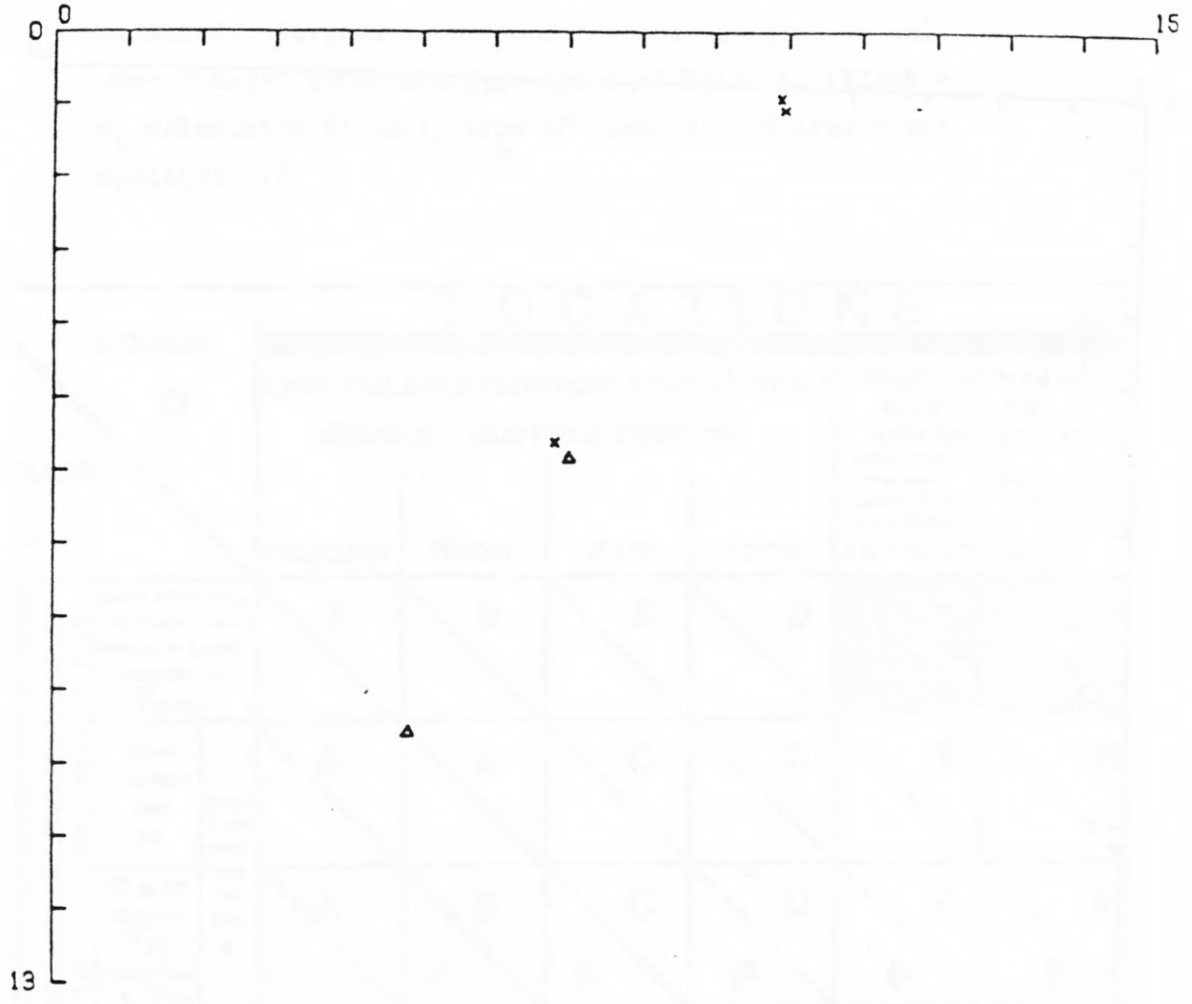

FIGURE 24C OROVILLE AFTERSHOCKS
JULY 1975
M CROSS-SECTION

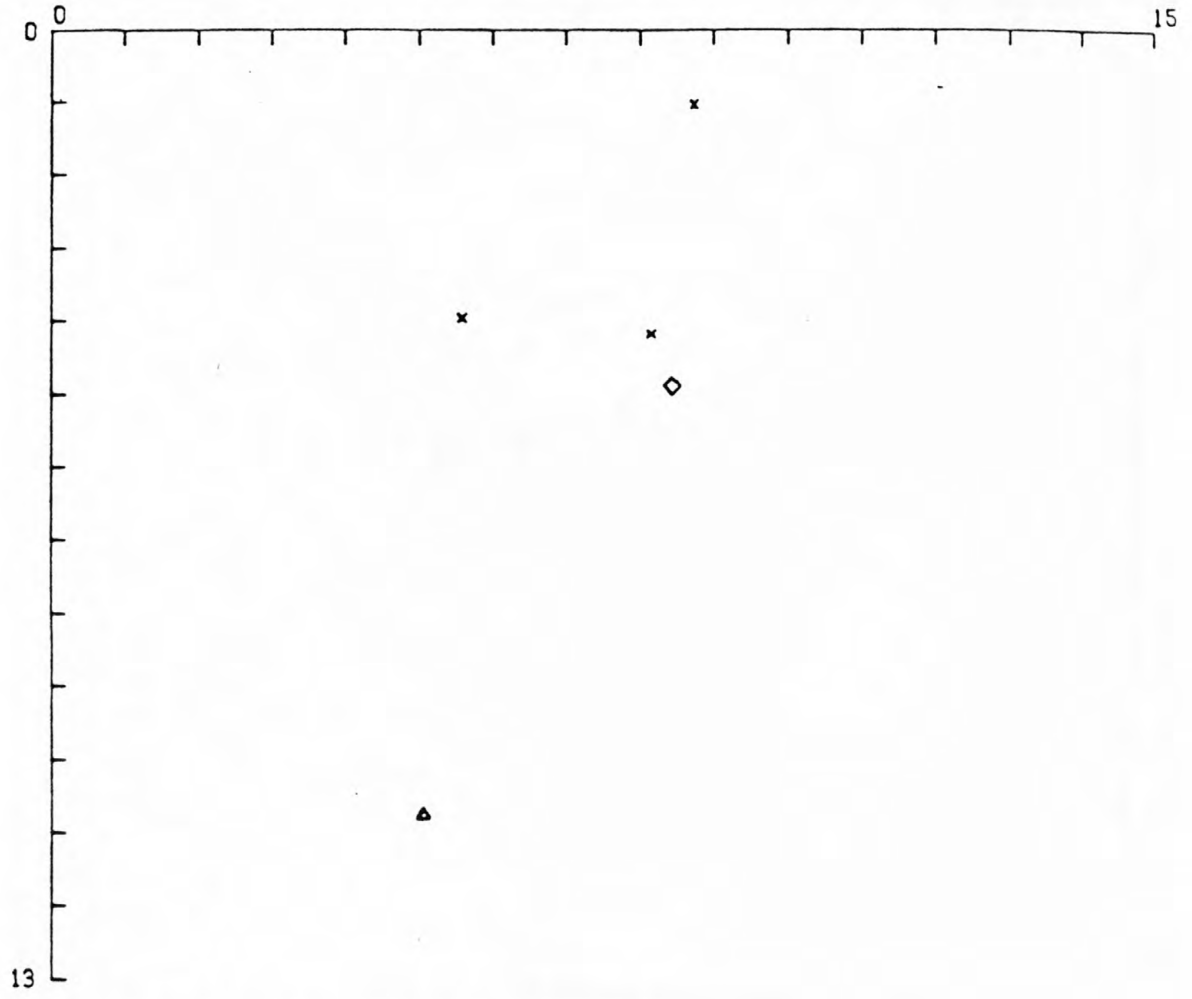

FIGURE 24D OROVILLE AFTERSHOCKS
JULY 1976
N CROSS-SECTION

Table 1 - Indicates source and quality of locations and magnitudes. Arrows indicate order in which options were examined. Letters correspond to those entered in columns S and Q (source and quality) of Table 4. (Blank = M_L calculated directly from SP coda; shaded area = not applicable.)

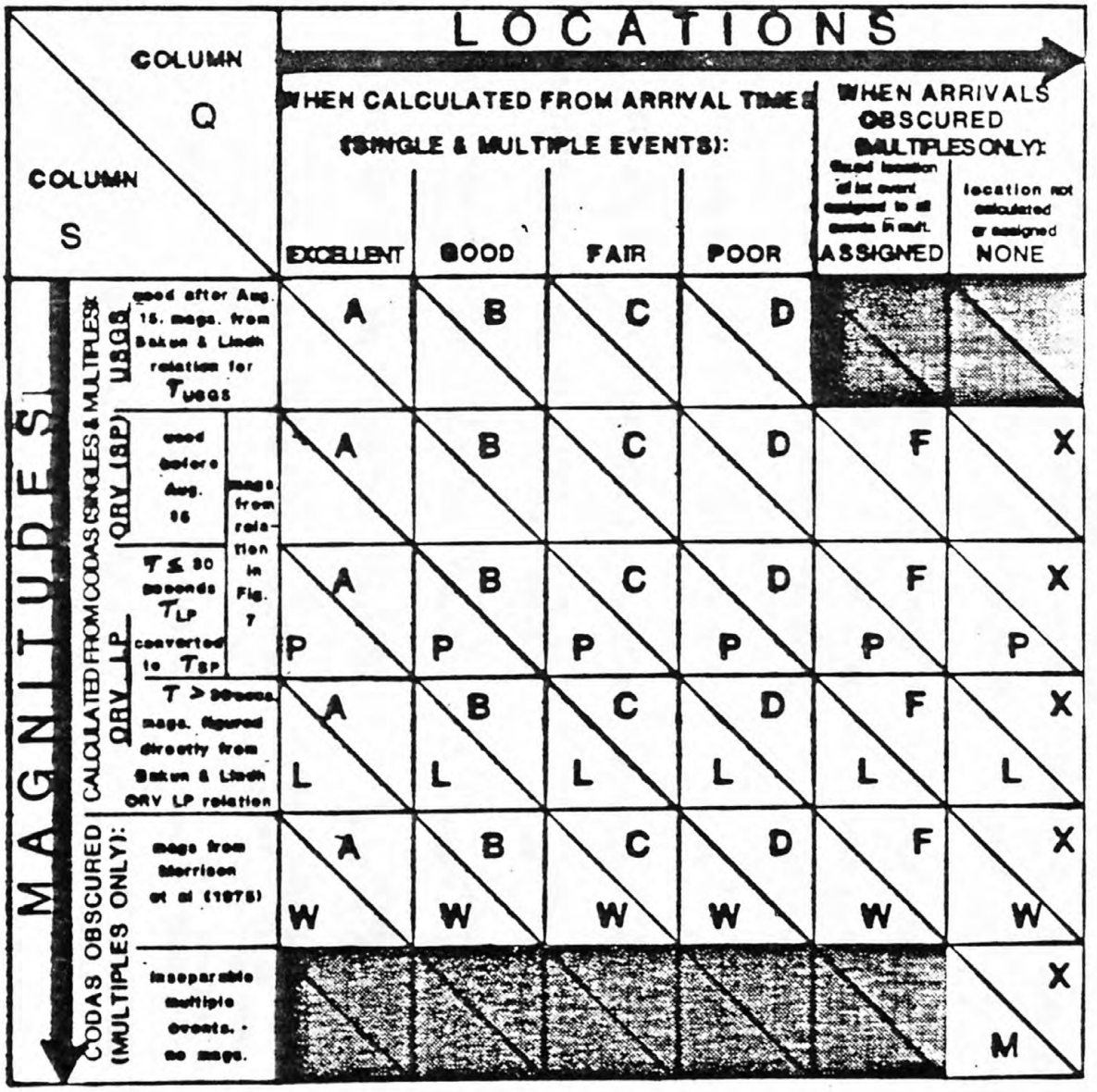

TABLE 2

Seismographic Stations

Station Operated By	Station Name	Component	North Latitude	West Longitude	Elev. (M)	Operating Interval	Amplifier Attenuator Setting (dB)	M_L Correction Factor	Δt Station Correction
USGS	ORAT (Rattlesnake Point)	Vert.	39°28.13'	121°24.80'	585	6 Aug. 75-	12	1.00	
	OCOX (Cox Rd.)	Vert.	39°22.80'	121°32.60'	36	5 Nov. 75-	24-18*	1.24	
	HCOX (Cox Rd.)	NW-SE	39°22.80'	121°32.60'	36	5 Nov. 75-	30-18*	1.31	
	OHON (Honcut)	Vert.	39°20.18'	121°29.05	76	6 Aug. 75-	24-18**	1.31	
	OCAM (Campbell Hill)	Vert.	39°31.43'	121°37.40'	98	6 Aug. 75-	18	.92	.20
	OSTI (Stimpson Road)	Vert.	39°22.12'	121°35.80'	29	3 Aug. 75-	18	.85	.17
	ODAM (Oroville Dam)	Vert.	39°31.88'	121°28.67'	268	6 Aug. 75-	24		
	HDAM (Oroville Dam)	N-S	39°31.88'	121°28.67'	268	18 Aug. 75-31 Oct. 75	30		
	HDAM (Oroville Dam)	E-W	39°31.88'	121°28.67'	268	31 Oct. 75-	30		
	OLON (Lone Tree Road)	Vert.	39°26.65'	121°34.25'	53	6 Aug. 75-	18	1.06	.11
	ELON (Lone Tree Road)	E-W	39°26.65'	121°34.25'	53	1 Nov. 75-	24		.11
	NLON (Lone Tree Road)	N-S	39°26.65'	121°34.25'	53	7 Nov. 75-	24		.11

TABLE 2

Seismographic Stations

Station Operated By	Station Name	Component	North Latitude	West Longitude	Elev. (M)	Operating Interval	Amplifier Attenuator Setting (dB)	M_L Correction Factor	Δt Station Corrections
USGS	OWYN (Wyandotte)	Vert.	39°27.19'	121°29.20'	177	6 Aug. 75-	18	1.21	
	NWYN (Wyandotte)	N20°E	39°27.19'	121°29.20'	177	31 Oct. 75-	30		
	EWYN (Wyandotte)	N60°W	39°27.19'	121°29.20'	177	31 Oct. 75-	30		
	OKAT (Katskill Hills)	Vert.	39°24.08'	121°25.26'	250	6 Aug. 75-	12	1.00	
	OFIG (Fine Gold Gulch)	Vert.	39°24.70'	121°28.56'	360	6 Aug. 75-	18	1.19	
	HFIG (Fine Gold Gulch)	E-W	39°24.70'	121°28.56'	360	31 Oct. 75-	24		
	OTAB (Table Mtn)	Vert.	39°32.75'	121°33.65'	223	6 Aug. 75-	18	.96	
	HTAB (Table Mtn)	NE-SW	39°32.75'	121°33.65'	223	18 Aug. 75- 6 Nov. 75	24		
	HTAB (Table Mtn)	NW-SE	39°32.75'	121°33.65'	223	6 Nov. 75-	24		
	OBID (Bidwell Canyon)	Vert.	39°29.29'	121°27.14'	306	6 Aug. 75-	18	1.26	
	HBID (Bidwell Canyon)	NE-SW	39°29.29'	121°27.14'	306	18 Aug. 75- 30 Oct. 75	30		
	HBID (Bidwell Canyon)	E-W	39°29.29'	121°27.14'	306	30 Oct. 75- 10 Feb. 76	30		

TABLE 2

Seismographic Stations

Station Operated By	Station Name	Component	North Latitude	West Longitude	Elev. (M)	Operating Interval	Amplifier Attenuator Setting (dB)	M_L Correction Factor	Δt Station Corrections
USGS	OFOR(Foreman Creek)	Vert.	39°35.55'	121°26.92'	378	6 Aug. 75-	18	1.29	
	OLIV(Olive Highway)	Vert.	39°30.45'	121°30.55'	166	6 Aug. 75-15 Oct. 75	24	1.22	
	OLUV(Olive Highway)	Vert	39°30.72'	121°30.74'	170	15 Oct. 75-	24	1.22	
	HLUV(Olive Highway	E-W	39°30.72'	121°30.74'	170	1 Nov. 75-	24***		
	OBLO(Bloomer Hill)	Vert.	39°30.10'	121°27.70'	916	6 Aug. 75-32 Oct. 75	18		
	OGOO(Van Goodin Ranch)	Vert.	39°39.22'	121°36.72'	158	28 Dec. 76-	12		
	OCOR(Cohasset Ridge)	Vert.	39°52.55'	121°45.93'	530	20 Dec. 76-	12		
	SHC (Mt.St. Helena)	Vert.	38°40.22'	122°38.03'	1200	8 Dec. 73-20 Jan. 77	12		-.26
	OSUT (Sutter Buttes)	Vert.	39°16.23'	121°51.10'	67	1 April 76-	12		----

Seismographic Stations

Station Operated By	Station Name	Component	North Latitude	West Longitude	Elev. (M)	Operating Interval	Amplifier Attenuator Setting(dB)	M_L Correction Factor	Δt Station Corrections
DWR	ORV (Oroville)	Vert.	39°33.23'	121°30.02'	360	Entire Sequence			
	ORV' (Oroville)	Vert. LP	39°33.23'	121°30.02'	360	Entire Sequence			
	KPK (Kanaka Peak)	Vert.	39°35.01'	121°18.32'	897	Entire Sequence			
	MGL (Magalia)	Vert.	39°48.71'	121°33.42'	1010	Entire Sequence			-.30
	PAM (Palermo)	Vert.	39°26.94'	121°31.19'	131	6 April 76-			
	SUT (Sutter Buttes) (Portable)	Vert.	39°10.45'	121°45.15'	60	1 July 75-			+.45
	BUT (Butte City) (Portable)	Vert.	39°29.06'	121°58.05'	30	1 July 75-			+.65
WCC	WC1 (Woodward-Clyde 1) (Portable)	Vert.	39°26.58'	121°27.78'	195	2 Aug. 75-31 Aug. 75			+.07
	WC2 (Woodward-Clyde 2) (Portable)	Vert.	39°26.70'	121°34.49'	55	2 Aug. 75-31 Aug. 75			+.12
	WC3 (Woodward-Clyde 3) (Portable)	Vert.	39°29.83'	121°22.53'	579	2 Aug. 75-31 Aug. 75			
	WC4 (Woodward-Clyde 4) (Portable)	Vert.	39°21.29'	121°26.20'	126	2 Aug. 75-31 Aug. 75			
	WC5 (Woodward-Clyde 5) (Portable)	Vert.	39°26.70'	121°34.43'	55	2 Aug. 75-31 Aug. 75			

TABLE 2

Seismographic Stations

Station Operated By	Station Name	Component	North Latitude	West Longitude	Elev. (M)	Operating Interval	Amplifier Attenuator Setting(dB)	M_L Correction Factor	Δt Station Correction
U.C. Berkeley	WDC (Whiskey-town Dam)	Vert.	40°34.80'	122°32.40'	300	8 March 73-			-.35
U. of Nevada, Reno	NRR (North Reno)	Vert.	39°34.33'	119°50.96'	1634	Entire Sequence			+.18
	HBT (Hobart Mills)	Vert.	39°25.60'	120°09.80'	1804	Entire Sequence			-.57

*Change to 18 dB on December 1, 1975.
**Change to 18 dB on June 23, 1976.
***Gain used as if attenuator setting = 30 dB (equipment malfunction assumed).

TABLE 3

Time Period	Minimum Coda Length	Minimum Magnitude
75/06/07 - 75/08/01 at 2020 GMT	1 sec	0.6
75/08/01 - 75/08/31	20 sec	1.2
75/09/01 - 75/10/31	15 sec	1.1
75/11/01 - 76/07/31	10 sec	1.0

Description - Table 4

Heading	Explanation[a]
YEAR, MON, DA	Year, month, day.
HRMN, SEC	Hour, minute and second, Greenwich mean time.
LAT N, DEG MIN	Degrees and minutes, north latitude.
LON W, DEG MIN	Degrees and minutes, west longitude.
DEPTH KM	Depth of focus, in kilometers.
DUR MAG	Magnitude, based on coda duration.
S	Source of magnitude (see Table 1).
DUR MO	Log_{10} Moment, derived from the duration magnitudes by the formula $\log_{10} M_o = 17 + 1.2 M_L$ (Bakun and Lindh, 1977).
NR	Number of arrivals (P and S) used for solution.
NS	Number of S arrivals used for solution.
GAP DEG	Largest azimuthal separation in degrees between stations.
RMS SEC	Root mean square error of time residuals, in seconds.
D3	Distance to third most distant station, in kilometers.
ERH KM	Standard error of the epicenter, in kilometers.
ERZ KM	Standard error of depth of focus, in kilometers.
Q	Quality of location (see Table 1; also Lahr, et al., in preparation).

[a] From Koyanagi and others (1978) and from Lahr and others (in preparation).

TABLE 4 - OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	JUN	7	1015	6.63	39	27.66	121	31.87	6.10	.6	17.72		6	3	302	.04	39	1.8	3.0	B
		28	231	54.44	39	27.35	121	31.23	6.14	1.4	18.68		6	3	303	.03	40	1.7	3.1	B
		28	419	53.27	39	27.12	121	31.16	7.72	3.7	21.44		6	0	137	.01	40	1.6	2.0	A
		28	443	29.73	39	27.32	121	31.55	7.22	1.9	19.28		4	1	303	.00	40	3.6	3.4	B
		28	5 4	10.46	39	27.70	121	31.33	8.16	1.2	18.44		5	3	316	.01	39	1.7	2.7	B
		28	5 4	24.67	39	27.70	121	31.33	8.16	.6	17.72		0	0	0	.00		0.0	0.0	F
		28	639	40.43	39	27.71	121	31.42	7.14	1.6	18.92		6	3	302	.03	39	2.0	3.5	B
		28	1046	9.55	39	27.85	121	31.28	7.40	.6	17.72		6	3	316	.04	23	59.0	79.5	D
		28	1131	23.98	39	27.90	121	31.42	7.30	.6	17.72		4	2	317	.02		58.2	80.1	D
		28	1416	19.24	39	28.19	121	30.71	7.09	2.2	19.64		4	1	300	.00	38	3.4	2.2	B
		28	1821	59.41	39	28.76	121	30.99	7.71	1.6	18.92		6	3	297	.04	37	1.4	1.2	A
		29	2020	40.06	39	27.86	121	30.75	7.11	1.2	18.44		4	2	313	.00	39	2.8	2.1	B
		29	2027	25.74	39	27.46	121	31.20	6.67	.8	17.96		6	3	316	.02	23	2.7	2.4	B
		29	2115	3.42	39	27.87	121	31.14	7.40	.6	17.72		5	3	315	.04	23	58.6	79.8	D
		30	528	55.83	39	27.84	121	31.53	7.35	.8	17.96		4	2	317	.03		58.8	79.7	D
	JUL	1	1623	57.00	0	0.00	0	0.00	0.00	.6	17.72		0	0	0	.00		0.0	0.0	X
		2	3 4	37.77	39	27.92	121	31.60	7.23	.6	17.72		4	2	318	.01		58.2	80.1	D
		5	1819	16.01	39	27.32	121	31.25	6.76	1.0	18.20		5	2	303	.03	40	2.4	3.2	B
		6	611	2.34	39	27.96	121	30.63	7.24	1.7	19.04		5	2	301	.00	39	2.9	2.5	B
		6	1321	58.94	39	27.76	121	30.98	7.27	2.1	19.52		4	1	301	.00	39	4.3	2.0	B
		6	1435	45.67	39	27.65	121	31.15	7.19	1.2	18.44		5	2	302	.03	39	3.2	1.8	B
		7	014	35.00	39	26.80	121	31.72	6.15	1.0	18.20		4	2	320	.00	41	2.3	2.5	B
		7	1054	4.51	39	27.38	121	31.47	7.47	.8	17.96		6	3	318	.01	24	1.5	2.4	A
		8	2119	58.74	39	27.67	121	31.61	7.57	.8	17.96		4	2	318	.04		1.2	.6	D
		9	1025	29.73	39	27.38	121	31.59	7.94	.6	17.72		5	3	318	.01	24	58.8	79.7	D
		14	137	37.47	39	27.56	121	31.38	8.39	.8	17.96		5	3	317	.03	39	1.7	2.0	A
		14	1949	.29	39	26.83	121	31.24	5.06	.7	17.84		5	3	305	.04	41	2.9	5.5	C
		20	928	9.34	39	26.78	121	31.99	7.98	2.6	20.12		4	1	305	.00	41	4.3	2.7	B
		20	1030	23.11	39	27.50	121	31.41	7.83	.8	17.96		6	3	317	.02	23	2.2	.6	D
		20	1032	13.00	0	0.00	0	0.00	0.00	.6	17.72		0	0	0	.00		0.0	0.0	X
		20	1038	52.38	39	27.09	121	31.61	7.47	1.6	18.92		4	1	304	.00	40	3.8	3.3	B
		20	1232	58.89	39	27.63	121	31.38	7.67	.7	17.84		5	3	317	.03	23	58.6	79.8	D
		21	417	37.24	39	27.42	121	30.61	6.22	2.6	20.12		4	1	303	.00	40	4.2	2.9	B
		21	514	48.62	39	27.27	121	30.77	5.06	1.2	18.44		6	3	303	.03	40	1.8	4.0	B
		22	1117	6.99	39	27.67	121	30.83	4.16	.7	17.84		5	3	314	.03	39	1.4	3.4	B
		24	729	42.43	39	27.64	121	30.97	7.74	.6	17.72		4	2	314	.03		58.6	79.8	D
	AUG	1	1545	37.49	39	26.86	121	31.83	8.42	3.6	21.32		10	0	121	.10	36	.8	1.2	A
		1	1556	13.46	39	27.68	121	31.23	7.62	.9	18.08		5	3	316	.04	23	58.2	80.1	D
		1	16 0	4.89	39	27.05	121	31.89	7.31	1.0	18.20		5	2	304	.02	40	6.2	8.6	C
		1	1627	17.61	39	26.56	121	31.31	8.20	4.5	22.40		6	0	137	.02	41	1.6	2.1	A
		1	1646	20.76	39	27.52	121	31.02	6.65	.9	18.08		5	3	315	.04	39	1.9	1.5	A
		1	1711	52.95	39	27.67	121	31.31	7.36	.7	17.84		4	2	316	.00	39	9.7	2.5	C
		1	1717	11.96	39	27.71	121	31.62	7.50	.7	17.84		4	2	318	.01		2.7	.7	D
		1	1720	5.38	39	26.46	121	31.22	7.48	.9	18.08		6	3	306	.05	41	1.3	2.2	A
		1	1723	21.96	39	27.05	121	31.63	7.00	.6	17.72		3	2	360	.00		51.1	84.8	D

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	1	1726	49.87	39	26.90	121	31.17	8.48	2.9		20.48	5	1	264	.01	40	4.7	2.6	B
		1	1729	57.00	0	0.00	0	0.00	0.00	.6		17.72	0	0	0	.00		0.0	0.0	X
		1	1733	11.71	39	27.62	121	31.33	7.68	.6		17.72	4	2	316	.03		59.3	79.3	D
		1	1736	28.00	0	0.00	0	0.00	0.00	.6		17.72	0	0	0	.00		0.0	0.0	X
		1	1737	55.46	39	27.23	121	31.42	8.19	.6		17.72	4	2	318	.04		1.2	.6	D
		1	1741	14.49	39	26.39	121	31.92	6.50	.6		17.72	4	2	321	.00	41	1.8	5.9	C
		1	1742	32.75	39	27.74	121	31.81	7.43	.6		17.72	4	3	360	.01	24	2.9	.7	D
		1	1750	39.73	39	27.52	121	31.59	7.76	.7		17.84	4	2	318	.02	24	1.6	.8	D
		1	18	3 53.65	39	28.10	121	31.46	7.02	.7		17.84	4	2	316	.01		58.9	79.6	D
		1	1810	41.12	39	27.36	121	31.52	7.18	.9		18.08	6	3	303	.05	40	1.3	2.4	B
		1	1813	58.35	39	26.93	121	31.08	5.39	1.1		18.32	5	2	304	.01	40	2.9	4.4	B
		1	1817	22.66	39	26.92	121	31.60	8.52	1.5		18.80	4	1	304	.00	40	3.6	3.0	B
		1	1848	32.74	39	27.26	121	31.76	8.08	.7		17.84	4	2	319	.00		59.0	79.5	D
		1	1849	28.12	39	27.14	121	30.81	5.81	1.4		18.68	5	2	304	.00	40	3.2	4.3	B
		1	19	6 11.80	39	27.53	121	31.70	7.72	.7		17.84	4	2	319	.05		58.9	79.6	D
		1	1913	51.75	39	26.92	121	32.47	8.37	.6		17.72	4	2	323	.04		58.6	79.8	D
		1	1915	31.09	39	26.43	121	32.17	7.00	.6		17.72	3	2	360	.00		47.6	86.8	D
		1	1935	42.97	39	26.68	121	31.22	6.34	1.8		19.16	4	1	305	.00	41	3.7	4.0	B
		1	1940	59.25	39	27.70	121	31.78	7.48	.7		17.84	4	2	319	.03		2.3	.7	D
		1	2020	4.41	39	26.15	121	31.37	8.76	4.5	W	22.40	10	0	124	.07	35	.8	1.2	A
		1	2020	12.00	39	26.15	121	31.37	8.76	5.7	W	23.84	0	0	0	.00		0.0	0.0	F
		1	2025	0.00	39	26.15	121	31.37	8.76	4.7	W	22.64	0	0	0	.00		0.0	0.0	F
		1	2029	13.00	39	26.15	121	31.37	8.76	4.6	W	22.52	0	0	0	.00		0.0	0.0	F
		1	2032	39.53	39	26.28	121	30.15	6.68	2.5		20.00	7	0	126	.05	36	.9	1.7	A
		1	2034	11.51	39	26.28	121	30.15	6.68	1.7		19.04	0	0	0	.00		0.0	0.0	F
		1	2034	25.51	39	26.28	121	30.15	6.68	1.3	P	18.56	0	0	0	.00		0.0	0.0	F
		1	2036	15.00	0	0.00	0	0.00	0.00	1.3	P	18.56	0	0	0	.00		0.0	0.0	X
		1	2036	25.00	0	0.00	0	0.00	0.00	1.5	P	18.80	0	0	0	.00		0.0	0.0	X
		1	2036	45.00	0	0.00	0	0.00	0.00	1.3	P	18.56	0	0	0	.00		0.0	0.0	X
		1	2037	26.96	39	25.91	121	31.45	7.38	1.8	P	19.16	4	0	308	.00		0.0	0.0	B
		1	2037	40.08	39	25.91	121	31.45	7.38	3.7	L	21.44	0	0	0	.00		0.0	0.0	F
		1	2039	38.08	39	25.91	121	31.45	7.38	1.3	P	18.56	0	0	0	.00		0.0	0.0	F
		1	2039	49.08	39	25.91	121	31.45	7.38	1.7	P	19.04	0	0	0	.00		0.0	0.0	F
		1	2040	28.11	39	26.42	121	31.22	10.65	2.3		19.76	7	1	127	.13	36	1.0	1.2	A
		1	2041	41.13	39	25.82	121	29.09	8.90	2.3		19.76	7	1	129	.07	37	.9	1.4	A
		1	2042	21.12	39	25.82	121	29.09	8.90	1.5	P	18.80	0	0	0	.00		0.0	0.0	F
		1	2043	3.12	39	25.82	121	29.09	8.90	1.5	P	18.80	0	0	0	.00		0.0	0.0	F
		1	2043	23.02	39	25.56	121	29.26	4.55	2.3		19.76	8	1	129	.06	36	.8	1.9	A
		1	2045	18.08	39	27.52	121	29.42	7.20	3.0		20.60	7	0	124	.07	39	.9	1.5	A
		1	2046	.07	39	27.52	121	29.42	7.20	3.7	L	21.44	0	0	0	.00		0.0	0.0	F
		1	2047	4.07	39	27.52	121	29.42	7.20	1.8	P	19.16	0	0	0	.00		0.0	0.0	F
		1	2048	29.00	0	0.00	0	0.00	0.00	2.3		19.76	0	0	0	.00		0.0	0.0	X
		1	2050	2.00	0	0.00	0	0.00	0.00	1.2		18.44	0	0	0	.00		0.0	0.0	X
		1	2050	25.00	0	0.00	0	0.00	0.00	1.1		18.32	0	0	0	.00		0.0	0.0	X
		1	2050	36.00	0	0.00	0	0.00	0.00	1.6		18.92	0	0	0	.00		0.0	0.0	X

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	1	2051	20.00	0	0.00	0	0.00	0.00	2.0		19.40	0	0	0	.00		0.0	0.0	X
		1	2051	36.00	0	0.00	0	0.00	0.00	1.4		18.68	0	0	0	.00		0.0	0.0	X
		1	2053	8.00	0	0.00	0	0.00	0.00	1.5		18.80	0	0	0	.00		0.0	0.0	X
		1	2054	22.00	0	0.00	0	0.00	0.00	1.5		18.80	0	0	0	.00		0.0	0.0	X
		1	2054	54.35	39	24.91	121	29.17	7.32	2.4		19.88	4	0	190	.00	44	2.9	4.4	B
		1	2056	21.00	0	0.00	0	0.00	0.00	2.4		19.88	0	0	0	.00		0.0	0.0	X
		1	2057	48.00	0	0.00	0	0.00	0.00	1.4		18.68	0	0	0	.00		0.0	0.0	X
		1	21 2	26.00	0	0.00	0	0.00	0.00	1.6		18.92	0	0	0	.00		0.0	0.0	X
		1	21 3	2.99	39	27.45	121	32.20	9.25	2.4		19.88	5	0	156	.06	37	1.1	2.9	B
		1	21 4	49.01	39	27.45	121	32.20	9.25	1.2		18.44	0	0	0	.00		0.0	0.0	F
		1	21 5	8.01	39	27.45	121	32.20	9.25	1.5		18.80	0	0	0	.00		0.0	0.0	F
		1	21 5	39.65	39	26.46	121	29.76	6.92	2.8		20.36	7	0	171	.07	37	1.1	1.3	A
		1	21 7	35.64	39	26.46	121	29.76	6.92	1.0		18.20	0	0	0	.00		0.0	0.0	F
		1	21 9	6.31	39	28.37	121	31.70	9.33	1.9		19.28	8	1	118	.07	38	.8	1.0	A
		1	2110	15.46	39	26.16	121	30.06	8.37	2.3		19.76	8	1	126	.06	36	.9	1.5	A
		1	2111	32.07	39	23.56	121	29.82	1.20	1.9		19.28	4	1	316	.01	47	2.7	99.0	D
		1	2112	26.19	39	23.56	121	29.82	1.20	1.8P		19.16	0	0	0	.00		0.0	0.0	F
		1	2113	15.77	39	26.96	121	32.55	6.87	1.9		19.28	4	1	304	.00	40	4.3	3.7	B
		1	2116	23.46	39	25.91	121	31.64	9.20	3.0		20.60	7	0	124	.03	35	.9	1.5	A
		1	2117	22.44	39	25.91	121	31.64	9.20	1.9P		19.28	0	0	0	.00		0.0	0.0	F
		1	2119	24.33	39	25.68	121	31.38	5.82	1.7		19.04	4	1	309	.00	43	3.7	5.6	C
		1	2120	7.47	39	25.75	121	29.61	8.23	2.6		20.12	8	1	128	.09	36	.9	1.5	A
		1	2121	50.40	39	26.85	121	31.83	8.75	3.7		21.44	8	0	121	.02	36	.9	1.2	A
		1	2124	2.00	0	0.00	0	0.00	0.00	1.9P		19.28	0	0	0	.00		0.0	0.0	X
		1	2125	31.00	0	0.00	0	0.00	0.00	1.2		18.44	0	0	0	.00		0.0	0.0	X
		1	2125	58.73	39	28.51	121	30.89	8.00	3.0		20.60	8	0	119	.07	38	.9	1.1	A
		1	2128	17.00	0	0.00	0	0.00	0.00	1.3M		18.56	0	0	0	.00		0.0	0.0	X
		1	2129	23.72	39	26.86	121	32.04	8.83	3.3		20.96	7	0	159	.06	36	1.0	1.2	A
		1	2132	8.00	0	0.00	0	0.00	0.00	1.6P		18.92	0	0	0	.00		0.0	0.0	X
		1	2132	11.00	0	0.00	0	0.00	0.00	1.8P		19.16	0	0	0	.00		0.0	0.0	X
		1	2139	40.00	0	0.00	0	0.00	0.00	1.3P		18.56	0	0	0	.00		0.0	0.0	X
		1	2139	59.29	39	26.89	121	31.53	7.53	2.0		19.40	8	1	122	.11	36	.8	1.4	A
		1	2141	4.00	0	0.00	0	0.00	0.00	1.9		19.28	0	0	0	.00		0.0	0.0	X
		1	2143	44.00	0	0.00	0	0.00	0.00	1.2		18.44	0	0	0	.00		0.0	0.0	X
		1	2144	2.00	0	0.00	0	0.00	0.00	1.2P		18.44	0	0	0	.00		0.0	0.0	X
		1	2144	5.00	0	0.00	0	0.00	0.00	1.5P		18.80	0	0	0	.00		0.0	0.0	X
		1	2144	34.00	0	0.00	0	0.00	0.00	1.7		19.04	0	0	0	.00		0.0	0.0	X
		1	2145	37.80	39	27.14	121	31.17	8.15	1.4		18.68	5	3	317	.02	40	2.2	2.5	B
		1	2146	23.34	39	27.34	121	31.05	8.12	.6		17.72	4	2	316	.03		2.1	1.3	D
		1	2147	1.83	39	25.31	121	28.16	2.44	1.6		18.92	4	1	312	.07	44	3.3	28.0	D
		1	2154	35.82	39	25.82	121	27.37	5.24	1.8		19.16	4	1	307	.00	43	3.3	5.0	C
		1	2158	13.96	39	25.60	121	29.50	8.15	1.9		19.28	7	1	129	.07	36	.9	1.5	A
		1	22 3	10.67	39	24.53	121	29.26	2.59	1.4		18.68	6	3	313	.08	45	1.6	16.0	D
		1	22 4	55.64	39	25.60	121	31.10	8.45	2.6		20.12	8	0	126	.06	35	.9	1.2	A
		1	22 6	40.62	39	25.60	121	31.10	8.45	1.3		18.56	0	0	0	.00		0.0	0.0	F

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	1	22 7	11.44	39	25.94	121	30.71	5.91	1.8	19.16		4	1	308	.00	42	3.6	5.0	C
		1	22 8	.11	39	29.17	121	30.26	7.60	2.5	20.00		7	0	118	.07	36	.8	1.3	A
		1	2211	4.37	39	26.43	121	29.17	8.06	2.7	20.24		8	0	127	.09	37	.9	1.2	A
		1	2214	56.69	39	29.98	121	25.44	1.17	1.5	18.80		4	1	265	.04	36	3.4	65.3	D
		1	2215	41.96	39	24.39	121	29.57	4.63	1.4	18.68		4	1	314	.00	45	3.4	9.9	C
		1	2221	14.35	39	24.89	121	28.76	.19	1.4	18.68		4	1	313	.03	45	75.0	64.6	D
		1	2223	43.51	39	25.15	121	30.81	8.40	2.9	20.48		8	0	128	.08	34	.9	1.3	A
		1	2226	4.33	39	25.77	121	29.70	7.27	2.1	19.52		7	0	128	.08	36	.9	1.6	A
		1	2230	11.51	39	28.31	121	30.30	10.22	1.2	18.44		6	3	299	.05	38	2.3	1.2	A
		1	2233	22.47	39	26.31	121	28.86	2.49	1.5	18.80		6	3	308	.06	42	2.6	12.5	D
		1	2236	15.22	39	24.47	121	28.30	5.50	1.6	18.92		5	3	315	.03	45	1.4	3.9	B
		1	2250	20.14	39	25.54	121	28.84	7.93	2.5	20.00		7	1	130	.06	36	.9	1.5	A
		1	2252	56.24	39	24.95	121	29.40	7.81	1.2P	18.44		6	0	131	.07	35	1.1	1.7	A
		1	2253	1.21	39	24.95	121	29.40	7.81	2.1P	19.52		0	0	0	.00		0.0	0.0	F
		1	2253	29.21	39	24.95	121	29.40	7.81	1.8P	19.16		0	0	0	.00		0.0	0.0	F
		1	2255	38.61	39	26.98	121	31.53	8.83	1.0P	18.20		4	1	304	.00	40	3.6	2.4	B
		1	2255	41.73	39	26.98	121	31.53	8.83	2.1P	19.52		0	0	0	.00		0.0	0.0	F
		1	2257	15.43	39	25.18	121	29.95	1.01	1.2	18.44		4	1	311	.01	44	2.5	0.0	D
		1	2257	33.59	39	25.18	121	29.95	1.01	1.2	18.44		0	0	0	.00		0.0	0.0	F
		1	2259	44.00	0	0.00	0	0.00	0.00	1.0P	18.20		0	0	0	.00		0.0	0.0	X
		1	2259	47.00	0	0.00	0	0.00	0.00	1.2P	18.44		0	0	0	.00		0.0	0.0	X
		1	23 4	12.59	39	27.46	121	29.63	8.09	1.9	19.28		7	1	124	.09	39	.9	1.3	A
		1	2310	43.46	39	28.35	121	31.06	9.58	1.8	19.16		6	1	135	.07	38	1.6	1.5	A
		1	2311	47.33	39	27.88	121	30.52	7.25	1.2	18.44		5	3	301	.04	39	3.1	3.6	B
		1	2313	12.80	39	23.89	121	28.61	.82	1.2	18.44		5	2	316	.02	46	75.3	64.3	D
		1	2314	40.82	39	25.19	121	31.20	2.11	1.7	19.04		5	2	310	.07	44	2.8	25.3	D
		1	2325	56.43	39	25.60	121	29.09	7.27	1.2	18.44		5	3	313	.03	43	1.5	4.0	B
		1	2331	32.46	39	26.27	121	31.27	7.88	1.9	19.28		6	0	127	.05	35	1.1	1.6	A
		1	2333	44.00	0	0.00	0	0.00	0.00	1.2P	18.44		0	0	0	.00		0.0	0.0	X
		1	2335	23.37	39	27.49	121	31.98	7.72	.6	17.72		4	2	320	.02		2.5	1.1	D
		1	2337	9.80	39	25.25	121	28.41	.93	1.8	19.16		5	2	312	.03	44	75.8	63.7	D
		1	2342	25.00	0	0.00	0	0.00	0.00	1.8P	19.16		0	0	0	.00		0.0	0.0	X
		1	2344	40.67	39	29.32	121	31.12	8.51	3.4	21.08		8	0	117	.07	36	.9	1.1	A
		1	2350	53.31	39	27.23	121	31.47	8.05	1.9	19.28		5	0	136	.00	40	2.1	2.9	B
		1	2351	50.00	0	0.00	0	0.00	0.00	2.1M	19.52		0	0	0	.00		0.0	0.0	X
		1	2356	10.39	39	25.79	121	29.92	2.09	1.6M	18.92		4	1	309	.03	43	3.8	30.5	D
		2	0 2	47.00	0	0.00	0	0.00	0.00	1.8M	19.16		0	0	0	.00		0.0	0.0	X
		2	0 3	31.81	39	26.28	121	31.99	6.54	1.7	19.04		4	1	307	.00	42	4.6	5.7	C
		2	0 9	59.61	39	25.00	121	29.17	5.87	1.8	19.16		5	0	141	.09	44	3.0	5.2	C
		2	010	2.00	0	0.00	0	0.00	0.00	1.8M	19.16		0	0	0	.00		0.0	0.0	X
		2	013	27.82	39	24.96	121	29.35	7.10	2.0	19.40		6	1	141	.06	44	2.9	4.4	B
		2	018	37.00	0	0.00	0	0.00	0.00	2.2	19.64		0	0	0	.00		0.0	0.0	X
		2	023	53.05	39	28.61	121	29.67	1.49	1.6	18.92		5	2	298	.03	38	2.2	28.2	D
		2	035	4.37	39	25.51	121	28.98	7.02	1.8	19.16		7	1	130	.06	36	.9	1.6	A
		2	035	53.36	39	25.51	121	28.98	7.02	1.0	18.20		0	0	0	.00		0.0	0.0	F

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	2	036	12.36	39	25.51	121	28.98	7.02	1.2	18.44		0	0	0	.00		0.0	0.0	F
		2	038	3.05	39	23.79	121	29.76	6.21	1.4	18.68		4	1	315	.00	46	3.6	7.6	C
		2	046	38.71	39	25.89	121	29.81	10.32	1.3	18.56		4	2	314	.03		59.0	79.5	D
		2	052	48.25	39	29.33	121	30.77	8.40	3.9	21.68		8	0	117	.10	36	.8	1.1	A
		2	058	28.37	39	24.80	121	29.87	5.99	1.4	18.68		5	2	312	.01	45	2.2	5.2	C
		2	058	55.51	39	27.13	121	31.68	9.05	2.0	19.40		6	0	136	.05	38	1.3	1.9	A
		2	059	42.28	39	25.26	121	30.62	2.43	2.0	19.40		4	1	310	.00	44	6.2	34.2	D
		2	1 0	30.45	39	25.26	121	30.62	2.43	1.7	19.04		0	0	0	.00		0.0	0.0	F
		2	1 1	17.45	39	25.26	121	30.62	2.43	1.2	18.44		0	0	0	.00		0.0	0.0	F
		2	1 3	14.00	0	0.00	0	0.00	0.00	1.5M	18.80		0	0	0	.00		0.0	0.0	X
		2	1 3	50.00	0	0.00	0	0.00	0.00	1.5M	18.80		0	0	0	.00		0.0	0.0	X
		2	115	5.00	0	0.00	0	0.00	0.00	1.3P	18.56		0	0	0	.00		0.0	0.0	X
		2	114	51.00	0	0.00	0	0.00	0.00	1.5M	18.80		0	0	0	.00		0.0	0.0	X
		2	122	19.77	39	29.64	121	30.08	8.06	1.4	18.68		5	2	293	.03	36	2.5	1.3	B
		2	131	29.18	39	26.23	121	30.03	7.46	1.9M	19.28		5	2	307	.06	42	2.5	3.0	B
		2	135	22.00	0	0.00	0	0.00	0.00	1.5P	18.80		0	0	0	.00		0.0	0.0	X
		2	135	35.00	0	0.00	0	0.00	0.00	1.7P	19.04		0	0	0	.00		0.0	0.0	X
		2	135	45.00	0	0.00	0	0.00	0.00	1.4	18.68		0	0	0	.00		0.0	0.0	X
		2	141	36.96	39	26.54	121	31.61	7.81	1.8	19.16		5	2	306	.01	41	2.6	2.8	B
		2	144	12.32	39	29.30	121	30.78	9.69	2.2	19.64		7	0	117	.05	36	.9	1.2	A
		2	211	57.92	39	27.45	121	28.64	.96	1.5	18.80		5	2	303	.10	40	76.9	62.3	D
		2	219	23.03	39	23.41	121	29.35	2.63	1.2	18.44		6	3	317	.06	47	2.5	34.8	D
		2	227	4.72	39	25.83	121	29.23	8.49	2.8	20.36		7	0	129	.06	37	.9	1.5	A
		2	230	54.26	39	28.16	121	28.42	5.63	1.6	18.92		4	1	297	.00	39	4.0	2.4	B
		2	231	50.34	39	24.52	121	29.24	4.77	2.1	19.52		4	1	313	.00	45	3.4	7.9	C
		2	239	47.00	0	0.00	0	0.00	0.00	1.9M	19.28		0	0	0	.00		0.0	0.0	X
		2	252	54.75	39	25.00	121	28.66	8.23	1.7	19.04		4	1	312	.00	44	3.9	5.8	C
		2	3 2	15.45	39	25.99	121	31.59	9.04	1.4	18.68		4	1	308	.00	42	3.8	3.3	B
		2	3 5	34.49	39	27.76	121	30.82	7.61	.6	17.72		4	2	313	.02		3.6	1.9	D
		2	315	20.81	39	25.88	121	29.23	1.11	2.4	19.88		5	0	139	.02	43	3.9	9.2	C
		2	327	32.52	39	28.72	121	31.32	8.49	.6	17.72		5	3	343	.03	37	1.8	3.0	B
		2	328	15.83	39	28.11	121	31.41	8.32	.6	17.72		6	3	300	.01	38	1.8	1.4	A
		2	329	13.66	39	27.40	121	31.57	7.46	.6	17.72		5	3	318	.01	40	2.0	5.7	C
		2	342	7.43	39	24.29	121	29.61	4.63	1.7	19.04		4	1	314	.00	46	3.4	8.7	C
		2	351	34.68	39	25.56	121	27.96	8.73	2.1	19.52		5	2	310	.10	44	2.3	2.7	B
		2	358	47.83	39	24.60	121	29.19	6.20	1.3	18.56		6	3	313	.02	45	1.8	6.3	C
		2	4 9	13.33	39	24.94	121	29.18	4.94	1.7	19.04		4	1	312	.00	44	3.5	8.2	C
		2	417	49.16	39	24.21	121	28.84	2.99	1.6	18.92		4	1	315	.00	46	6.2	44.7	D
		2	419	5.84	39	28.16	121	30.44	5.90	1.7	19.04		4	1	300	.00	38	3.6	3.2	B
		2	423	13.24	39	24.23	121	29.24	2.51	1.9	19.28		4	1	314	.05	46	3.6	32.2	D
		2	443	35.39	39	26.50	121	28.68	5.15	2.3	19.76		6	1	139	.04	42	2.7	4.4	B
		2	445	24.16	39	25.63	121	29.15	8.49	2.9	20.48		7	0	129	.09	36	.9	1.6	A
		2	533	5.39	39	28.88	121	30.69	8.42	2.0	19.40		4	1	297	.00	37	3.4	1.1	B
		2	547	12.10	39	23.72	121	30.29	8.19	1.9	19.28		4	1	315	.00	46	6.2	13.3	D
		2	548	38.55	39	25.02	121	28.55	5.12	2.1	19.52		4	1	313	.00	44	3.3	7.6	C

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	2	549	59.31	39	28.62	121	29.82	1.24	1.6		18.92	4	1	298	.00	38	4.0	80.5	D
		2	557	50.83	39	23.41	121	29.58	3.39	2.0		19.40	4	1	316	.00	47	3.4	15.4	D
		2	559	37.43	39	27.05	121	31.48	7.00	.6		17.72	3	2	360	.00		50.8	85.0	D
		2	620	13.98	39	26.74	121	28.82	1.93	1.3		18.56	4	1	306	.03	41	5.4	61.5	D
		2	630	12.35	39	23.63	121	29.16	5.69	1.9		19.28	4	1	316	.00	47	6.5	21.2	D
		2	631	56.84	39	26.65	121	29.82	5.30	2.9		20.48	7	0	138	.05	41	1.0	1.7	A
		2	637	11.80	39	26.45	121	29.55	1.46	2.0		19.40	4	1	307	.00	42	5.8	98.9	D
		2	649	24.84	39	27.05	121	29.44	1.01	1.3		18.56	4	1	305	.01	40	2.8	0.0	D
		2	649	53.68	39	25.40	121	29.41	11.04	1.6		18.92	4	2	315	.05		58.8	79.7	D
		2	659	12.73	39	24.01	121	29.85	4.52	1.7		19.04	4	1	315	.01	46	3.5	11.0	D
		2	711	3.71	39	26.34	121	31.32	5.91	1.5		18.80	5	3	307	.01	42	3.3	5.4	C
		2	744	8.19	39	25.44	121	29.79	5.87	1.8		19.16	5	2	310	.02	43	2.6	5.7	C
		2	746	40.00	0	0.00	0	0.00	0.00	1.5	M	18.80	0	0	0	.00		0.0	0.0	X
		2	751	34.08	39	26.50	121	31.98	7.85	1.2		18.44	6	3	306	.02	41	1.7	2.3	A
		2	830	32.34	39	23.37	121	29.53	2.89	1.8		19.16	4	1	316	.00	47	3.5	19.5	D
		2	838	1.32	39	26.24	121	31.91	8.54	1.7		19.04	4	1	307	.00	42	5.7	8.1	C
		2	854	50.00	0	0.00	0	0.00	0.00	1.5		18.80	0	0	0	.00		0.0	0.0	X
		2	925	52.62	39	25.29	121	31.20	8.33	1.7		19.04	5	2	310	.01	43	2.8	3.3	B
		2	933	59.47	39	24.91	121	28.80	2.42	1.8		19.16	4	1	313	.00	45	5.5	55.5	D
		2	954	41.00	0	0.00	0	0.00	0.00	1.2		18.44	0	0	0	.00		0.0	0.0	X
		2	956	58.39	39	27.30	121	31.77	8.02	.6		17.72	4	2	360	.00	24	1.5	.9	D
		2	10 7	55.45	39	27.01	121	31.91	9.72	2.4		19.88	7	0	121	.06	36	.9	1.4	A
		2	1011	53.40	39	29.48	121	30.56	8.28	3.2		20.84	8	0	117	.06	36	.8	1.0	A
		2	1014	30.29	39	28.93	121	30.27	5.60	1.9		19.28	4	1	296	.00	37	3.4	2.2	B
		2	1028	8.84	39	28.30	121	29.78	2.35	1.8		19.16	5	2	299	.02	38	4.8	17.0	D
		2	1037	34.00	0	0.00	0	0.00	0.00	1.9		19.28	0	0	0	.00		0.0	0.0	X
		2	1048	59.80	39	25.35	121	28.57	5.85	3.1		20.72	7	0	140	.09	43	1.0	1.8	A
		2	1053	53.52	39	28.95	121	30.44	8.12	1.5		18.80	4	1	296	.00	37	3.4	1.1	B
		2	1054	30.00	0	0.00	0	0.00	0.00	1.4		18.68	0	0	0	.00		0.0	0.0	X
		2	1132	30.46	39	23.35	121	29.08	1.67	1.3		18.56	5	2	317	.02	47	3.8	46.1	D
		2	1136	33.88	39	27.39	121	31.43	6.62	1.2		18.44	5	2	303	.03	40	2.3	2.7	B
		2	1150	17.75	39	26.74	121	32.52	9.97	1.2		18.44	5	2	305	.04	41	2.4	1.5	B
		2	1151	21.37	39	24.36	121	28.89	6.42	1.2		18.44	4	1	314	.00	46	4.4	7.4	C
		2	1151	50.49	39	28.98	121	29.79	6.76	3.2		20.84	7	0	120	.07	37	.8	1.4	A
		2	1221	47.28	39	27.01	121	31.70	7.33	.6		17.72	6	3	319	.01	24	2.8	4.8	B
		2	1229	22.08	39	29.20	121	29.65	5.25	2.1		19.52	4	1	295	.00	37	3.3	2.0	B
		2	1320	48.46	39	25.42	121	29.52	1.32	1.3		18.56	5	2	310	.08	43	4.2	99.0	D
		2	1351	37.39	39	27.34	121	31.69	7.98	.6		17.72	4	2	319	.06		58.4	80.0	D
		2	1359	42.29	39	28.52	121	30.57	5.58	2.1		19.52	5	2	298	.00	38	4.7	3.3	B
		2	14 2	54.36	39	27.96	121	30.14	7.50	1.2		18.44	4	2	309	.06		58.3	80.0	D
		2	14 3	11.51	39	27.96	121	30.14	7.50	1.8	P	19.16	0	0	0	.00		0.0	0.0	F
		2	14 3	28.51	39	27.96	121	30.14	7.50	2.0		19.40	0	0	0	.00		0.0	0.0	F
		2	1410	18.61	39	27.98	121	29.28	.09	1.2		18.44	4	1	301	.01	39	76.9	62.3	D
		2	1441	51.50	39	24.96	121	29.88	6.19	1.5		18.80	5	2	312	.03	44	2.7	5.5	C
		2	1444	38.47	39	25.10	121	29.57	6.37	3.3		20.96	8	0	130	.09	35	.9	1.4	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	2	1449	40.00	0	0.00	0	0.00	0.00	1.2	18.44		0	0	0	.00		0.0	0.0	X
		2	1454	38.64	39	24.11	121	29.03	6.04	2.0	19.40		5	1	264	.02	25	1.3	3.5	B
		2	1458	35.79	39	24.11	121	29.03	6.04	1.5	18.80		0	0	0	.00		0.0	0.0	F
		2	1525	34.71	39	24.66	121	29.06	5.84	1.3	18.56		5	1	257	.00	25	1.3	4.0	B
		2	1534	48.92	39	25.26	121	28.94	5.93	1.7	19.04		5	1	248	.02	24	1.4	3.6	B
		2	1543	49.00	0	0.00	0	0.00	0.00	1.6	18.92		0	0	0	.00		0.0	0.0	X
		2	1611	.14	39	26.14	121	30.18	5.87	1.7	19.04		5	1	233	.02	24	1.2	3.0	B
		2	1644	39.00	0	0.00	0	0.00	0.00	1.2	18.44		0	0	0	.00		0.0	0.0	X
		2	1651	44.87	39	25.36	121	29.64	6.64	3.6	21.32		9	0	129	.08	24	.7	1.0	A
		2	1724	29.04	39	28.78	121	29.00	5.45	4.4	22.28		9	0	121	.09	19	.8	1.0	A
		2	1731	57.15	39	26.58	121	31.69	7.00	.7	17.84		3	2	360	.00		48.0	86.6	D
		2	1734	43.90	39	24.66	121	28.08	.83	1.2	18.44		6	2	256	.03	24	2.7	3.7	B
		2	1735	9.95	39	24.66	121	28.08	.83	1.8	19.16		0	0	0	.00		0.0	0.0	F
		2	1743	23.94	39	28.90	121	29.17	5.46	3.8	21.56		9	0	121	.08	19	.8	1.1	A
		2	1813	37.82	39	25.75	121	30.30	6.13	1.6	18.92		7	2	219	.03	14	.8	1.4	A
		2	1836	44.79	39	26.66	121	31.65	7.30	.6	17.72		9	5	180	.02	12	.6	1.4	A
		2	19 0	20.00	0	0.00	0	0.00	0.00	1.2	18.44		0	0	0	.00		0.0	0.0	X
		2	19 9	43.89	39	28.23	121	29.17	4.24	1.4	18.68		6	2	199	.02	9	.8	1.6	A
		2	1912	55.15	39	28.28	121	29.32	5.24	2.3	19.76		9	0	79	.07	9	.6	1.0	A
		2	1920	28.35	39	26.95	121	30.76	5.36	1.8	19.16		6	2	256	.02	23	1.6	1.3	A
		2	1922	12.44	39	26.95	121	30.76	5.36	1.6	18.92		0	0	0	.00		0.0	0.0	F
		2	1932	2.02	39	27.06	121	31.62	7.48	.6	17.72		7	3	161	.03	12	1.1	2.0	A
		2	1932	40.40	39	27.04	121	31.89	8.66	1.2	18.44		8	3	162	.04	12	.9	1.3	A
		2	1958	36.55	39	26.86	121	31.97	8.68	2.9	20.48		10	0	117	.05	12	.7	.9	A
		2	2014	28.29	39	26.56	121	31.38	6.41	1.9	19.28		7	2	184	.02	12	.7	1.3	A
		2	2022	16.17	39	26.96	121	28.41	4.14	5.2	23.24		10	0	90	.07	12	.7	.9	A
		2	2030	.12	39	26.76	121	28.21	4.67	2.3	19.76		5	3	284	.12	21	1.2	2.6	B
		2	2030	7.38	39	26.76	121	28.21	4.67	2.2	19.64		0	0	0	.00		0.0	0.0	F
		2	2031	9.38	39	26.76	121	28.21	4.67	1.5	18.80		0	0	0	.00		0.0	0.0	F
		2	2035	48.39	39	28.44	121	29.12	4.53	4.0	21.80		10	0	64	.11	9	.6	.9	A
		2	2044	37.58	39	27.68	121	30.21	5.00	.7	17.84		7	3	133	.03	10	.6	2.1	A
		2	2049	44.81	39	26.87	121	30.87	6.09	1.9	19.28		6	1	170	.05	12	1.1	1.7	A
		2	2058	55.49	39	26.00	121	28.52	5.07	3.8W	21.56		10	0	129	.13	14	.7	.7	A
		2	2059	0.00	39	26.00	121	28.52	5.07	5.2W	23.24		0	0	0	.00		0.0	0.0	F
		2	21 6	26.00	0	0.00	0	0.00	0.00	1.7	19.04		0	0	0	.00		0.0	0.0	X
		2	21 9	19.57	39	25.41	121	28.74	.83	1.3	18.56		6	1	246	.02	15	2.1	2.7	B
		2	2111	44.29	39	27.24	121	28.97	3.47	2.6	20.12		10	0	91	.14	11	.6	.9	A
		2	2117	48.61	39	23.96	121	28.17	3.32	1.7	19.04		7	3	265	.06	17	1.2	2.3	A
		2	2118	40.74	39	23.96	121	28.17	3.32	1.3	18.56		0	0	0	.00		0.0	0.0	F
		2	2120	29.52	39	26.03	121	28.91	4.07	1.6	18.92		6	1	221	.02	13	2.2	2.6	B
		2	2121	56.82	39	25.64	121	29.31	5.52	1.2	18.44		6	3	233	.05	14	.8	2.1	A
		2	2133	56.13	39	27.67	121	30.64	1.82	2.1	19.52		8	4	136	.47	10	.8	8.1	C
		2	2134	1.20	39	27.67	121	30.64	1.82	1.9	19.28		0	0	0	.00		0.0	0.0	F
		2	2140	1.14	39	25.86	121	28.92	5.67	4.1	21.92		9	0	129	.10	23	.9	1.2	A
		2	2153	47.52	39	26.17	121	31.33	5.71	.6	17.72		7	4	201	.05	13	.7	1.8	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	2	2230	52.10	39	27.11	121	27.93	2.58	1.4	18.68		10	5	111	.04	9	.9	1.3	A
		2	2235	8.20	39	23.94	121	28.85	4.55	1.7	19.04		8	3	263	.06	14	1.0	1.3	A
		2	2243	52.43	39	29.01	121	29.01	.53	1.0	18.20		7	3	161	.10	9	.9	1.3	A
		2	2250	5.42	39	28.10	121	32.40	8.10	.7	17.84		4	1	267	.00	15	2.6	2.8	B
		2	2255	56.11	39	25.68	121	30.07	4.81	1.1	18.32		8	4	224	.08	13	1.2	1.1	A
		2	2259	43.34	39	26.92	121	31.36	7.50	1.6	18.92		7	2	168	.02	12	1.4	2.2	A
		2	23 0	23.64	39	29.08	121	29.24	2.97	2.0	19.40		8	3	112	.10	9	.6	3.7	B
		2	2315	1.38	39	25.88	121	29.82	5.89	1.2	18.44		7	3	216	.05	13	3.0	1.3	B
		2	2326	50.51	39	26.78	121	31.35	4.57	.6	17.72		16	8	174	.04	12	.5	1.5	A
		2	2330	13.06	39	26.74	121	31.54	8.39	.6	17.72		7	3	176	.02	12	.8	1.3	A
		2	2330	58.83	39	25.59	121	29.42	4.39	.8	17.96		7	3	234	.02	13	.8	1.2	A
		2	2334	31.12	39	25.40	121	29.17	4.87	2.0	19.40		7	2	238	.06	13	2.2	1.0	A
		2	2349	53.64	39	27.41	121	28.18	1.55	1.7	19.04		7	2	102	.04	9	1.3	3.7	B
		2	2350	59.94	39	27.78	121	28.72	2.33	1.8	19.16		6	1	108	.03	10	1.9	5.2	C
		2	2352	5.50	39	25.31	121	30.04	4.37	1.8	19.16		8	3	238	.06	14	2.3	1.2	A
		3	0 8	35.97	39	26.20	121	29.22	2.75	1.5	18.80		7	1	206	.05	12	1.3	2.8	B
		3	016	3.62	39	27.63	121	28.14	1.35	1.6	18.92		6	0	102	.04	9	.9	9.7	C
		3	041	40.96	39	25.83	121	29.21	3.07	1.6	18.92		9	3	226	.04	12	1.0	1.4	A
		3	1 3	5.49	39	29.32	121	30.99	8.77	4.6	22.52		11	0	72	.05	7	.5	.7	A
		3	119	3.14	39	29.10	121	30.38	6.92	1.9	19.28		7	1	120	.06	8	1.0	2.6	B
		3	136	55.81	39	28.08	121	25.57	1.10	1.3	18.56		5	1	175	.07	13	1.1	62.8	D
		3	140	12.42	39	27.78	121	29.09	1.63	2.2	19.64		7	2	116	.07	10	1.1	6.1	C
		3	2 0	32.68	39	26.37	121	31.77	8.50	.6	17.72		9	5	139	.02	12	.7	1.4	A
		3	2 5	59.36	39	24.07	121	30.45	6.53	.8	17.96		7	3	180	.04	8	.9	1.4	A
		3	2 9	10.00	0	0.00	0	0.00	0.00	1.2	18.44		0	0	0	.00		0.0	0.0	X
		3	221	51.03	39	24.33	121	30.11	6.71	.7	17.84		8	4	170	.04	8	.8	1.4	A
		3	247	8.55	39	28.86	121	30.35	7.41	4.1	21.92		11	0	55	.06	11	.5	.9	A
		3	3 0	42.81	39	27.74	121	28.91	3.14	2.0	19.40		8	2	95	.02	10	.6	1.2	A
		3	315	5.18	39	24.43	121	29.78	5.39	.6	17.72		8	4	163	.05	8	.7	2.3	A
		3	317	7.60	39	24.15	121	29.60	5.31	1.3	18.56		8	3	167	.07	8	.7	1.3	A
		3	318	20.80	39	24.51	121	29.07	5.41	1.5	18.80		8	3	152	.06	9	.6	1.2	A
		3	340	38.12	39	28.18	121	31.20	5.86	.9	18.08		7	2	130	.09	10	.6	1.4	A
		3	343	49.95	39	24.57	121	29.78	3.74	1.4	18.68		10	4	161	.07	8	.5	1.5	A
		3	350	43.89	39	27.30	121	31.75	8.66	.6	17.72		7	2	159	.05	11	1.2	2.8	B
		3	353	52.11	39	26.20	121	30.92	5.07	.7	17.84		6	2	141	.04	11	1.0	1.8	A
		3	359	24.73	39	25.17	121	29.80	3.78	.6	17.72		7	3	149	.05	9	.8	2.8	B
		3	436	57.94	39	27.03	121	30.14	4.74	.6	17.72		9	4	145	.10	11	.6	1.2	A
		3	455	28.61	39	29.44	121	29.68	4.37	1.0	18.20		8	3	122	.07	9	.5	1.9	A
		3	519	45.57	39	25.35	121	29.22	3.57	1.9	19.28		8	1	138	.03	9	.6	1.4	A
		3	536	44.77	39	23.98	121	29.50	4.03	.7	17.84		8	4	169	.04	9	.6	1.8	A
		3	545	46.12	39	24.12	121	29.53	3.69	.7	17.84		8	4	166	.05	9	.6	1.9	A
		3	555	43.22	39	28.06	121	31.54	9.29	.6	17.72		9	5	134	.05	10	.6	1.3	A
		3	619	58.35	39	29.58	121	30.01	5.39	1.2	18.44		9	3	130	.13	8	.6	1.6	A
		3	626	54.00	0	0.00	0	0.00	0.00	1.3	18.56		0	0	0	.00		0.0	0.0	X
		3	635	18.03	39	26.71	121	29.78	3.70	1.0	18.20		9	4	117	.06	11	.5	1.4	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	3	641	47.00	0	0.00	0	0.00	0.00	1.2		18.44	0	0	0	.00		0.0	0.0	X
		3	657	18.89	39	26.11	121	29.06	3.55	1.9		19.28	7	0	123	.03	10	.6	1.5	A
		3	740	33.85	39	29.58	121	29.56	4.11	1.4		18.68	9	4	121	.05	9	.5	2.0	A
		3	8	9 22.55	39	28.17	121	31.54	9.08	.6		17.72	11	4	119	.05	10	.6	1.3	A
		3	817	58.03	39	24.51	121	30.61	5.04	.7		17.84	7	3	173	.08	9	.9	2.3	A
		3	818	18.88	39	27.83	121	31.70	10.10	1.2		18.44	8	2	131	.06	10	.8	1.3	A
		3	910	22.65	39	27.86	121	28.71	2.13	1.6	M	18.92	9	3	94	.03	10	.5	1.7	A
		3	920	34.48	39	24.64	121	29.85	3.61	1.6		18.92	10	4	160	.09	8	.5	1.4	A
		3	944	39.57	39	25.85	121	30.41	5.54	1.9		19.28	8	2	141	.06	10	.6	1.8	A
		3	10	2 56.45	39	24.58	121	29.14	4.35	1.8		19.16	9	4	152	.08	9	.6	1.2	A
		3	10	5 35.94	39	27.73	121	29.09	3.15	1.3		18.56	9	3	96	.04	10	.5	1.3	A
		3	1126	22.61	39	25.98	121	29.99	5.78	1.8		19.16	7	3	135	.06	10	.6	1.3	A
		3	1151	14.45	39	26.81	121	31.52	6.89	.7		17.84	12	5	124	.04	12	.5	1.2	A
		3	1245	26.80	39	25.25	121	29.05	3.36	1.5		18.80	9	3	138	.05	8	.6	1.1	A
		3	1253	39.60	39	26.44	121	31.64	6.89	.6		17.72	12	5	136	.06	12	.5	1.2	A
		3	1254	7.78	39	26.58	121	31.65	8.36	.6		17.72	9	3	132	.04	13	.7	1.6	A
		3	1315	33.68	39	24.93	121	27.68	4.77	1.2		18.44	7	3	126	.06	10	.8	1.3	A
		3	1325	39.88	39	24.86	121	29.97	5.76	.9		18.08	7	3	157	.01	9	.8	1.9	A
		3	1332	5.34	39	27.77	121	31.53	7.99	.6		17.72	8	3	127	.07	10	.7	1.9	A
		3	1350	1.11	39	27.53	121	29.13	3.52	1.0		18.20	7	3	139	.02	11	.7	1.2	A
		3	1425	56.46	39	24.07	121	29.68	4.21	1.6		18.92	8	3	169	.12	8	.7	1.4	A
		3	15	2 43.50	39	27.05	121	31.41	7.07	.7		17.84	8	3	117	.04	12	.7	2.1	A
		3	15	3 10.71	39	24.58	121	29.37	5.65	2.7		20.24	8	0	104	.07	8	.6	1.5	A
		3	1516	32.00	0	0.00	0	0.00	0.00	1.2	M	18.44	0	0	0	.00		0.0	0.0	X
		3	1538	7.33	39	24.51	121	29.72	6.00	1.5		18.80	6	0	161	.04	8	1.2	3.4	B
		3	16	7 46.77	39	27.81	121	28.89	3.91	2.2		19.64	10	0	77	.08	10	.5	1.0	A
		3	1615	28.32	39	24.52	121	29.95	4.08	1.4		18.68	8	3	164	.10	8	.6	1.4	A
		3	1646	46.59	39	24.18	121	29.44	4.94	1.4		18.68	7	2	264	.04	17	1.5	1.7	A
		3	1654	56.49	39	24.64	121	30.94	8.76	1.8		19.16	6	1	255	.02	16	2.3	1.7	A
		3	17	9 19.73	39	24.77	121	29.10	6.03	2.1		19.52	7	1	148	.04	9	.8	1.2	A
		3	1740	16.79	39	25.31	121	28.31	4.83	1.8		19.16	6	2	193	.06	15	1.6	1.0	A
		3	1747	59.43	39	25.21	121	29.51	4.19	2.5		20.00	9	0	73	.06	15	.6	1.2	A
		3	1918	31.40	39	24.62	121	29.21	4.68	1.5		18.80	8	2	207	.04	14	1.1	1.2	A
		3	1954	12.10	39	24.69	121	29.49	1.40	1.9		19.28	7	1	154	.06	14	1.5	39.6	D
		3	2030	42.00	0	0.00	0	0.00	0.00	1.5		18.80	0	0	0	.00		0.0	0.0	X
		3	2036	29.13	39	27.57	121	29.02	5.32	2.9		20.48	10	0	77	.08	11	.6	1.1	A
		3	2053	44.09	39	25.24	121	29.78	4.01	2.0		19.40	6	0	147	.01	13	1.2	6.3	C
		3	22	0 34.44	39	27.50	121	28.34	1.83	1.3		18.56	11	5	95	.05	9	.5	1.5	A
		3	2224	59.68	39	25.27	121	30.85	7.33	1.4		18.68	9	4	159	.07	10	.6	1.2	A
		3	2238	46.47	39	28.67	121	29.83	5.55	1.2		18.44	7	1	117	.06	8	.6	2.4	A
		3	2310	32.64	39	25.18	121	30.68	7.84	.8		17.96	8	4	159	.07	10	.6	1.3	A
		3	2349	3.33	39	29.78	121	30.45	8.30	2.8		20.36	10	0	85	.06	11	.5	1.0	A
		4	011	52.00	0	0.00	0	0.00	0.00	1.7		19.04	0	0	0	.00		0.0	0.0	X
		4	052	59.06	39	29.08	121	31.89	11.99	1.5		18.80	8	1	136	.08	8	1.0	2.0	A
		4	156	12.15	39	29.86	121	29.71	6.13	1.8		19.16	7	0	122	.03	9	.7	2.3	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	4	3 3	6.41	39	24.97	121	27.84	6.33	2.9		20.48	10	0	72	.08	10	.6	.9	A
		4	355	53.09	39	25.00	121	29.70	5.56	.7		17.84	6	3	259	.03	14	2.4	1.7	A
		4	440	11.94	39	24.60	121	29.91	3.93	1.5		18.80	11	5	162	.10	8	.5	1.3	A
		4	539	48.00	0	0.00	0	0.00	0.00	1.7		19.04	0	0	0	.00		0.0	0.0	X
		4	637	29.00	0	0.00	0	0.00	0.00	1.3		18.56	0	0	0	.00		0.0	0.0	X
		4	657	34.55	39	25.38	121	29.33	4.19	1.9		19.28	7	0	139	.04	9	.6	1.7	A
		4	728	33.00	39	25.36	121	29.22	3.48	1.6		18.92	9	2	138	.05	9	.7	1.3	A
		4	740	36.86	39	28.86	121	30.04	5.54	1.2		18.44	10	4	122	.07	8	.5	1.4	A
		4	831	24.40	39	27.09	121	31.91	7.81	1.3		18.56	10	3	116	.09	12	.7	1.0	A
		4	836	15.42	39	29.79	121	29.35	4.44	1.5		18.80	8	1	118	.05	9	.6	1.8	A
		4	851	53.00	0	0.00	0	0.00	0.00	1.2	M	18.44	0	0	0	.00		0.0	0.0	X
		4	910	24.60	39	23.96	121	29.15	4.32	1.3		18.56	10	4	164	.09	9	.5	1.3	A
		4	910	53.52	39	25.50	121	29.00	3.12	1.7		19.04	8	3	133	.04	9	.7	1.8	A
		4	922	44.90	39	27.40	121	28.03	1.83	1.2		18.44	8	2	107	.06	9	.6	1.9	A
		4	947	44.61	39	24.79	121	31.10	8.62	3.1		20.72	11	0	97	.04	10	.6	.8	A
		4	954	56.15	39	24.93	121	30.98	8.41	1.6		18.92	7	0	169	.03	10	.9	2.2	A
		4	1028	40.68	39	24.08	121	30.22	6.68	1.5		18.80	10	3	176	.03	8	.7	1.2	A
		4	11 2	47.36	39	24.17	121	30.16	5.94	1.9		19.28	8	1	174	.03	8	.8	1.5	A
		4	1110	2.82	39	25.12	121	30.91	7.24	1.7		19.04	9	4	163	.07	10	.8	1.6	A
		4	1138	32.00	0	0.00	0	0.00	0.00	1.2		18.44	0	0	0	.00		0.0	0.0	X
		4	1153	16.15	39	24.91	121	28.12	4.60	1.5		18.80	9	2	132	.06	10	.7	1.3	A
		4	1230	9.09	39	24.16	121	30.26	5.91	.8		17.96	7	3	175	.06	8	.8	2.0	A
		4	1343	26.36	39	25.80	121	30.26	6.44	1.4		18.68	9	2	140	.03	10	.8	1.3	A
		4	1447	4.19	39	29.99	121	30.32	5.11	1.3		18.56	8	1	128	.09	9	.6	2.1	A
		4	15 2	36.14	39	29.81	121	30.25	6.01	1.4		18.68	8	1	126	.08	8	.6	2.0	A
		4	17 5	42.88	39	24.71	121	30.53	4.41	1.1		18.32	8	3	167	.05	9	.6	1.3	A
		4	1719	20.20	39	24.41	121	29.35	6.69	2.5		20.00	9	1	98	.07	9	.6	.7	A
		4	20 5	55.88	39	25.50	121	30.75	6.69	.8		17.96	7	2	152	.03	10	.8	1.7	A
		4	2013	22.76	39	26.02	121	31.90	8.58	1.4		18.68	8	1	152	.03	12	.8	1.4	A
		4	2125	35.68	39	24.14	121	30.39	6.51	1.0		18.20	7	3	178	.06	8	.8	1.4	A
		4	2133	52.97	39	29.27	121	28.81	2.27	1.3		18.56	9	2	107	.07	9	.6	4.3	B
		4	2222	44.52	39	26.21	121	29.11	2.95	1.7		19.04	7	0	121	.04	10	.6	1.6	A
		4	2350	29.05	39	27.73	121	27.70	.65	1.3		18.56	8	2	107	.03	10	.9	1.0	A
		5	2 6	50.77	39	25.91	121	29.44	1.96	1.2		18.44	9	4	130	.06	10	.5	2.1	A
		5	226	53.70	39	24.56	121	29.64	4.78	1.5		18.80	10	5	159	.09	8	.6	1.5	A
		5	228	57.01	39	24.30	121	29.71	6.22	3.2		20.84	17	0	48	.06	8	.4	.8	A
		5	241	23.67	39	24.07	121	30.85	1.42	1.3		18.56	8	3	185	.22	8	.7	11.9	D
		5	419	1.78	39	24.98	121	30.34	6.01	1.5		18.80	8	2	215	.04	14	.9	2.3	A
		5	451	13.87	39	24.26	121	29.17	5.67	1.2		18.44	6	2	158	.07	9	.8	1.2	A
		5	455	28.55	39	24.66	121	28.98	1.06	1.2		18.44	8	3	148	.06	9	.8	43.9	D
		5	511	50.52	39	25.91	121	31.55	7.83	1.9		19.28	13	2	80	.05	6	.5	1.1	A
		5	6 6	21.09	39	25.85	121	30.94	6.55	.8		17.96	8	4	146	.06	11	.8	1.3	A
		5	724	56.99	39	27.73	121	28.61	2.78	1.4		18.68	7	0	93	.06	10	.6	2.3	A
		5	759	1.00	0	0.00	0	0.00	0.00	1.2		18.44	0	0	0	.00		0.0	0.0	X
		5	8 8	3.33	39	28.05	121	28.96	.24	1.6		18.92	11	1	98	.05	8	.4	.6	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	5	910	13.80	39	29.17	121	29.02	1.64	.9	18.08		8	3	109	.06	9	.5	6.9	C
		5	913	33.58	39	26.32	121	30.40	6.87	2.3	19.76		14	0	77	.05	6	.5	.8	A
		5	1044	5.59	39	27.81	121	28.11	1.20	1.6	18.92		11	1	87	.08	8	.5	7.7	C
		5	1247	47.70	39	24.19	121	30.28	4.66	1.3M	18.56		11	4	175	.07	8	.5	1.2	A
		5	13 3	14.62	39	25.12	121	31.09	7.43	1.3	18.56		11	4	166	.06	10	.8	1.1	A
		5	1343	16.53	39	23.90	121	29.61	6.16	1.2	18.44		8	1	172	.07	9	.8	2.5	B
		5	15 3	55.72	39	25.43	121	30.25	5.70	1.7	19.04		10	1	79	.05	7	.5	2.3	A
		5	15 5	57.31	39	24.49	121	30.11	3.77	1.2	18.44		10	5	167	.09	8	.6	1.6	A
		5	1626	56.49	39	25.62	121	29.52	6.07	1.7	19.04		13	1	67	.03	7	.5	1.5	A
		5	18 0	5.86	39	24.35	121	30.35	7.73	1.7	19.04		9	3	173	.03	8	.9	1.4	A
		5	18 0	5.81	39	24.25	121	30.59	8.23	1.7	19.04		9	0	79	.04	8	.8	2.4	A
		5	1821	22.24	39	25.07	121	31.16	7.30	1.0	18.20		7	3	168	.06	10	1.3	2.1	A
		5	2044	24.39	39	26.04	121	31.74	8.06	3.1	20.72		18	0	53	.10	6	.4	.7	A
		5	21 6	39.08	39	24.18	121	30.10	3.31	1.3	18.56		10	5	173	.04	8	.6	2.2	A
		5	2357	30.80	39	29.52	121	31.74	10.65	2.2	19.64		7	0	139	.04	8	1.0	2.1	A
		6	040	13.80	39	28.20	121	30.66	5.14	.9	18.08		8	3	123	.08	9	.6	1.4	A
		6	211	27.79	39	29.50	121	29.67	4.90	1.7	19.04		11	2	65	.08	7	.5	1.3	A
		6	212	22.11	39	24.25	121	29.86	5.93	1.6	18.92		11	1	78	.04	8	.5	2.5	B
		6	350	29.82	39	29.76	121	31.81	9.24	4.7	22.64		15	0	42	.07	7	.5	.7	A
		6	354	23.17	39	29.67	121	31.99	7.81	1.7	19.04		13	6	116	.09	8	.6	1.2	A
		6	355	4.81	39	30.27	121	31.85	9.18	1.2	18.44		6	3	246	.05	13	1.5	1.3	A
		6	355	27.42	39	29.01	121	31.62	9.37	.9	18.08		6	1	152	.05	8	1.1	2.0	A
		6	355	55.99	39	30.01	121	32.00	8.94	.8	17.96		11	6	125	.05	8	.6	1.3	A
		6	4 8	40.12	39	30.61	121	31.48	10.94	2.4	19.88		5	0	131	.00	34	1.2	1.2	A
		6	415	42.21	39	29.73	121	31.69	9.95	1.5	18.80		19	4	75	.05	7	.4	.9	A
		6	423	21.18	39	29.88	121	31.46	9.03	2.3	19.76		6	3	292	.03	35	2.5	1.4	B
		6	429	50.54	39	29.45	121	31.59	9.58	2.0	19.40		10	0	77	.04	7	.6	1.5	A
		6	433	22.02	39	24.22	121	30.42	5.86	.7	17.84		10	5	99	.07	8	.4	1.6	A
		6	435	57.16	39	29.35	121	32.19	10.02	1.8	19.16		18	3	83	.08	7	.5	1.1	A
		6	457	34.67	39	30.13	121	32.14	8.69	.9	18.08		13	6	129	.06	8	.6	1.2	A
		6	458	32.36	39	30.00	121	31.12	8.99	1.3	18.56		4	2	340	.00	35	3.5	1.7	B
		6	525	4.88	39	27.49	121	28.27	1.17	1.6	18.92		24	9	69	.06	8	.2	3.9	B
		6	6 4	41.78	39	29.42	121	29.35	4.21	1.8	19.16		10	0	63	.06	7	.5	2.0	A
		6	615	8.41	39	24.54	121	29.81	4.59	.9	18.08		10	5	162	.12	8	.7	1.4	A
		6	626	52.05	39	29.04	121	30.03	4.92	1.6	18.92		13	3	60	.05	8	.4	1.7	A
		6	658	30.25	39	24.86	121	28.07	5.45	1.4	18.68		10	2	80	.08	9	.6	1.9	A
		6	723	24.57	39	24.96	121	29.07	5.23	1.6	18.92		10	1	73	.04	8	.6	2.7	B
		6	732	50.62	39	31.12	121	30.92	9.64	1.2	18.44		4	1	285	.00	33	3.5	.8	B
		6	825	46.39	39	25.17	121	29.69	3.82	.8	17.96		10	5	147	.11	9	.6	2.1	A
		6	828	6.07	39	29.68	121	31.73	9.01	1.4	18.68		10	0	79	.04	7	.6	1.5	A
		6	949	33.66	39	29.45	121	31.54	9.72	2.3	19.76		10	0	129	.03	10	.6	.8	A
		6	10 5	35.16	39	28.50	121	31.54	8.98	.9	18.08		11	4	127	.07	10	.6	1.3	A
		6	10 6	43.28	39	30.24	121	31.98	10.14	1.8	19.16		11	1	80	.03	7	.6	1.6	A
		6	1035	22.77	39	25.99	121	30.34	5.04	1.7	19.04		20	5	57	.04	6	.3	1.1	A
		6	1145	8.49	39	29.80	121	31.55	7.27	.8	17.96		9	4	163	.01	8	.6	1.3	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	6	13 3	28.17	39	30.07	121	31.43	9.63	2.6		20.12	15	0	41	.07	8	.5	.7	A
		6	13 9	30.76	39	30.10	121	31.23	9.10	2.3		19.76	12	0	69	.07	8	.5	.8	A
		6	1310	17.09	39	30.18	121	31.56	9.89	1.5		18.80	17	4	96	.05	6	.5	1.2	A
		6	1423	33.99	39	24.93	121	28.45	2.51	1.9		19.28	12	2	77	.08	9	.5	3.8	B
		6	1445	50.57	39	24.44	121	29.08	3.98	1.6		18.92	22	8	66	.09	7	.3	1.1	A
		6	1544	6.00	39	30.42	121	31.45	9.92	1.4		18.68	12	3	73	.07	8	.7	1.3	A
		6	1625	47.18	39	24.26	121	29.37	4.80	2.9		20.48	20	1	47	.09	7	.4	1.1	A
		6	1629	47.49	39	30.12	121	31.59	9.35	1.5		18.80	11	1	75	.05	7	.6	1.4	A
		6	1641	51.70	39	29.52	121	31.75	9.68	3.9		21.68	13	0	63	.05	6	.5	.9	A
		6	1645	54.85	39	29.94	121	31.46	10.31	1.8		19.16	12	1	75	.04	6	.6	1.4	A
		6	1715	46.44	39	24.25	121	28.87	3.51	.9		18.08	9	4	154	.07	9	.6	1.5	A
		6	1839	20.62	39	30.11	121	31.57	8.96	1.3		18.56	13	2	75	.06	6	.5	.7	A
		6	1940	52.38	39	27.95	121	28.83	1.70	1.6		18.92	22	7	58	.06	6	.3	1.4	A
		6	1942	48.12	39	29.88	121	31.62	10.12	2.4		19.88	14	0	67	.06	7	.5	1.1	A
		6	2054	45.47	39	24.96	121	29.36	5.85	1.8		19.16	10	0	72	.04	8	.5	1.8	A
		6	21 0	32.70	39	24.19	121	30.84	8.51	3.0	L	20.60	20	2	90	.08	7	.4	.6	A
		6	21 0	58.00	39	24.19	121	30.84	8.51	3.0	L	20.60	0	0	0	.00		0.0	0.0	F
		6	2110	9.49	39	28.66	121	30.16	4.49	.9		18.08	8	3	122	.06	8	.5	2.3	A
		6	2122	56.36	39	29.81	121	29.12	3.85	1.4		18.68	10	1	64	.03	6	.5	1.2	A
		6	2336	14.17	39	30.08	121	31.44	10.38	1.1		18.32	12	1	92	.05	6	.7	1.4	A
		6	2352	1.49	39	24.17	121	29.98	4.66	1.5		18.80	13	3	78	.07	8	.5	1.1	A
		7	115	16.12	39	25.20	121	30.03	5.26	.8		17.96	7	3	151	.04	9	.6	1.3	A
		7	219	3.12	39	29.59	121	30.49	7.62	1.4		18.68	15	3	64	.05	7	.5	.8	A
		7	228	25.34	39	24.88	121	29.24	3.33	1.6		18.92	8	1	74	.04	8	.5	3.6	B
		7	412	23.64	39	24.84	121	29.10	8.24	1.2		18.44	9	4	115	.09	9	.8	1.5	A
		7	451	55.66	39	25.18	121	29.34	6.20	.8		17.96	7	3	143	.06	8	.8	1.5	A
		7	515	48.43	39	24.02	121	29.30	5.80	2.0		19.40	12	4	144	.08	9	.5	1.2	A
		7	6 6	58.19	39	30.23	121	31.14	9.92	1.3		18.56	4	2	312	.00	34	4.3	4.0	B
		7	1154	19.21	39	29.88	121	30.23	8.19	1.2		18.44	5	3	350	.00	35	2.7	1.2	B
		7	1410	44.16	39	24.48	121	27.91	5.56	1.5		18.80	8	2	136	.10	10	.7	1.3	A
		7	1420	44.97	39	30.59	121	31.64	9.78	2.7		20.24	14	1	58	.12	8	.5	.7	A
		7	1520	54.16	39	24.98	121	29.90	3.95	1.0		18.20	10	5	154	.09	9	.4	1.3	A
		7	16 6	49.95	39	24.51	121	30.33	4.92	1.0		18.20	9	4	169	.04	8	.6	1.5	A
		7	1646	2.71	39	24.72	121	29.83	4.37	.8		17.96	8	3	158	.09	8	.6	1.3	A
		7	1912	55.70	39	30.20	121	31.46	8.33	2.3		19.76	16	0	70	.10	6	.5	.8	A
		7	1925	34.92	39	30.34	121	31.75	10.01	1.5		18.80	16	3	96	.10	7	.5	1.1	A
		7	1926	9.13	39	27.86	121	29.27	3.23	.8		17.96	6	2	175	.03	10	.7	2.1	A
		7	2015	39.40	39	24.60	121	29.04	2.32	2.3		19.76	22	1	46	.13	6	.3	1.3	A
		7	2028	42.45	39	29.79	121	31.79	8.16	1.0		18.20	11	3	91	.09	7	.7	1.6	A
		7	2031	19.90	39	30.11	121	31.47	9.29	2.7		20.24	24	2	41	.10	6	.4	.6	A
		7	2044	33.27	39	25.38	121	30.25	5.09	1.8		19.16	9	0	63	.04	8	.5	1.9	A
		7	2130	.86	39	30.50	121	31.81	9.86	1.5		18.80	17	3	98	.10	7	.5	1.0	A
		7	2242	7.71	39	24.16	121	30.99	8.80	1.7		19.04	10	1	82	.05	8	.6	2.0	A
		7	2243	26.60	39	24.53	121	28.62	6.11	1.3		18.56	9	3	196	.10	9	.9	1.8	A
		7	2342	14.63	39	24.84	121	29.67	6.34	1.6		18.92	6	0	72	.02	7	.7	4.1	B

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	8	053	22.74	39	25.22	121	31.30	8.32	1.9	19.28		10	1	74	.07	9	.6	1.9	A
		8	5 1	42.79	39	29.76	121	29.47	4.18	1.6	18.92		22	7	68	.07	6	.4	1.1	A
		8	618	10.24	39	24.45	121	30.25	5.57	1.5	18.80		11	2	74	.04	7	.6	2.0	A
		8	632	25.15	39	29.75	121	28.27	4.61	1.2	18.44		9	2	75	.09	6	.7	1.6	A
		8	7 0	49.81	39	29.83	121	30.68	7.69	4.8	22.76		20	0	57	.05	6	.4	.7	A
		8	719	35.87	39	29.53	121	29.78	4.98	1.7	19.04		17	6	69	.07	7	.5	1.1	A
		8	8 0	4.18	39	26.96	121	29.95	3.97	1.3	18.56		18	6	57	.04	6	.4	1.1	A
		8	916	17.44	39	26.87	121	30.04	3.63	1.4	18.68		21	8	52	.09	6	.3	.9	A
		8	951	54.74	39	29.79	121	30.64	6.25	1.1	18.32		24	10	81	.08	6	.4	.7	A
		8	1023	39.63	39	29.53	121	29.68	4.51	1.2	18.44		18	8	68	.06	7	.4	1.0	A
		8	1055	9.94	39	24.58	121	30.33	4.25	.7	17.84		8	4	167	.10	8	.7	1.9	A
		8	1156	14.66	39	24.82	121	29.53	1.75	.8	17.96		25	11	66	.09	6	.3	2.6	B
		8	1215	19.37	39	26.09	121	29.63	2.51	1.0	18.20		24	10	55	.10	7	.3	1.1	A
		8	1249	57.90	39	29.57	121	29.08	2.06	.9	18.08		17	8	106	.07	7	.3	2.5	A
		8	1337	53.60	39	29.56	121	29.76	5.84	3.0	20.60		16	0	39	.06	7	.4	1.0	A
		8	1427	56.27	39	28.06	121	29.10	2.33	2.0	19.40		8	0	84	.02	7	.5	1.6	A
		8	1434	24.18	39	29.50	121	30.11	4.75	1.1	18.32		16	6	83	.06	7	.5	1.0	A
		8	1451	39.69	39	29.85	121	30.45	5.64	2.0	19.40		16	3	79	.06	6	.5	1.2	A
		8	15 7	15.85	39	29.57	121	29.88	5.23	1.0	18.20		17	6	71	.05	7	.5	.8	A
		8	1519	.18	39	30.06	121	31.78	8.64	1.4	18.68		13	5	125	.04	7	.6	1.0	A
		8	1519	51.12	39	24.07	121	30.20	3.40	1.4	18.68		12	2	79	.05	7	.5	2.0	A
		8	1550	8.37	39	27.91	121	29.03	2.37	2.2	19.64		21	2	52	.05	6	.3	1.0	A
		8	1619	5.63	39	29.52	121	28.75	3.00	1.7	19.04		11	2	110	.04	6	.5	2.3	A
		8	17 6	30.59	39	24.03	121	30.18	1.10	1.0	18.20		7	3	177	.06	8	.7	74.8	D
		8	1716	36.92	39	30.39	121	31.55	9.09	1.0	18.20		14	2	96	.05	7	.6	1.1	A
		8	1717	45.29	39	25.59	121	30.95	7.84	1.5	18.80		4	2	319	.00	43	2.5	3.2	B
		8	1818	10.15	39	29.71	121	31.66	8.92	1.4	18.68		10	1	87	.03	7	.7	2.2	A
		8	19 3	27.24	39	24.34	121	29.50	4.79	3.2	20.84		15	0	81	.06	8	.5	1.5	A
		8	19 6	35.43	39	24.29	121	29.52	1.77	.8	17.96		10	5	163	.14	8	.5	4.4	B
		8	2134	18.30	39	29.55	121	30.35	5.66	.9	18.08		13	4	83	.07	8	.5	1.1	A
		8	2321	12.92	39	24.11	121	29.85	3.69	.7	17.84		10	5	171	.05	8	.6	2.0	A
		8	2350	56.88	39	26.17	121	29.22	5.71	1.3	18.56		19	5	54	.06	7	.4	.8	A
		9	056	38.43	39	24.26	121	28.98	3.26	.6	17.72		8	3	156	.10	9	.6	1.8	A
		9	114	50.52	39	26.12	121	31.18	7.21	.6	17.72		11	4	96	.08	9	.5	1.3	A
		9	149	26.36	39	24.48	121	29.39	8.60	1.9	19.28		12	1	79	.10	8	.6	1.7	A
		9	2 1	50.04	39	25.06	121	30.55	4.03	1.0	18.20		12	4	68	.05	8	.5	1.3	A
		9	2 9	21.53	39	26.42	121	29.24	3.20	.9	18.08		8	1	64	.02	7	.5	1.6	A
		9	226	22.20	39	24.29	121	30.64	6.02	1.6	18.92		19	6	146	.07	7	.5	1.3	A
		9	235	7.50	39	28.86	121	31.38	8.59	.6	17.72		11	3	75	.02	7	.7	1.8	A
		9	237	17.37	39	26.56	121	29.73	3.53	.9	18.08		9	0	58	.04	8	.5	1.5	A
		9	237	26.47	39	24.51	121	29.88	4.26	.8	17.96		10	1	75	.05	7	.5	2.6	B
		9	250	32.25	39	27.91	121	28.87	2.71	.8	17.96		8	3	155	.07	10	.6	1.7	A
		9	3 0	55.35	39	24.17	121	29.86	4.18	1.4	18.68		18	5	75	.07	7	.4	1.5	A
		9	314	35.94	39	24.55	121	30.44	3.60	1.1	18.32		17	8	74	.07	7	.4	1.7	A
		9	338	23.83	39	25.02	121	29.52	5.61	.8	17.96		14	5	118	.04	7	.5	1.8	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	9	425	31.04	39	25.02	121	29.33	4.45	.8	17.96		24	9	63	.10	6	.3	.8	A
		9	452	41.22	39	24.54	121	29.25	2.69	.9	18.08		14	7	80	.05	8	.4	2.2	A
		9	542	10.14	39	30.22	121	31.56	.48	1.2	18.44		14	3	94	.05	7	.6	.9	A
		9	649	12.74	39	29.90	121	32.01	8.70	.7	17.84		18	8	90	.06	7	.5	.9	A
		9	652	10.18	39	24.30	121	29.87	4.57	1.3	18.56		9	0	76	.07	8	.5	2.7	B
		9	738	47.13	39	24.15	121	29.85	4.68	2.9	20.48		9	0	80	.04	7	.5	2.6	B
		9	1010	3.24	39	29.23	121	29.99	4.00	.8	17.96		26	12	69	.08	6	.3	1.0	A
		9	1133	25.63	39	28.04	121	31.75	8.56	.8	17.96		17	7	73	.05	8	.5	1.2	A
		9	1211	35.07	39	30.27	121	31.25	9.39	2.3	19.76		11	1	94	.13	6	.6	1.4	A
		9	1318	15.44	39	24.86	121	30.30	4.31	.6	17.72		11	5	80	.05	7	.4	1.6	A
		9	1318	27.10	39	30.04	121	31.96	9.08	.8	17.96		15	6	92	.05	7	.5	1.1	A
		9	1319	22.54	39	29.98	121	31.95	9.18	.7	17.84		16	7	91	.05	7	.5	1.1	A
		9	1457	40.45	39	29.75	121	20.44	3.88	0.0	17.00		21	10	67	.08	6	.3	.0	A
		9	1528	14.53	39	24.67	121	29.80	3.90	.9	18.08		10	2	73	.05	7	.5	1.5	A
		9	1713	49.67	39	24.51	121	30.03	4.82	1.0	18.20		8	1	73	.07	7	.6	1.9	A
		9	1723	14.32	39	29.37	121	29.18	2.15	.8	17.96		15	6	101	.07	7	.4	1.8	A
		9	1729	58.65	39	25.26	121	28.35	4.39	1.4	18.68		12	3	72	.06	7	.5	1.9	A
		9	1921	36.63	39	30.60	121	31.21	7.82	1.6	18.92		17	3	8	.03	5	.5	.1	A
		9	2016	32.39	39	29.95	121	29.44	3.88	.7	17.84		9	3	140	.05	7	.5	1.7	A
		9	2043	37.15	39	24.39	121	30.34	5.02	.9	18.08		9	1	75	.09	7	.6	2.9	B
		9	2045	30.89	39	24.73	121	29.42	5.21	2.4	19.88		21	1	44	.05	6	.4	1.0	A
		9	2133	2.25	39	24.25	121	30.14	5.72	1.8	19.16		10	0	76	.05	7	.6	2.6	B
		9	2137	45.97	39	25.19	121	20.57	4.07	1.7	19.04		10	0	67	.04	7	.5	2.1	A
		9	23 0	11.12	39	29.71	121	29.10	4.00	.8	17.96		13	5	107	.07	5	.5	1.0	A
		9	2321	46.94	39	24.81	121	29.71	5.92	.7	17.84		11	6	155	.10	8	.5	1.2	A
		10	327	48.34	39	24.40	121	31.40	5.95	.7	17.84		14	6	80	.08	8	.4	1.1	A
		10	423	25.76	39	29.84	121	20.50	3.70	.8	17.96		15	6	98	.07	5	.4	.9	A
		10	449	10.05	39	26.00	121	29.35	1.71	1.0	18.20		9	1	62	.09	7	.5	2.4	A
		10	518	33.67	39	29.95	121	29.20	4.29	2.9	20.48		10	0	106	.02	5	.6	1.4	A
		10	520	44.89	39	29.86	121	29.31	3.65	1.6	18.92		20	5	77	.04	5	.3	1.1	A
		10	6 5	1.19	39	26.32	121	30.17	5.62	1.1	18.32		15	3	54	.03	6	.4	1.2	A
		10	6 6	8.94	39	30.32	121	31.32	8.32	1.4	18.68		19	4	94	.05	6	.5	1.1	A
		10	642	41.57	39	25.13	121	29.44	3.71	1.7	19.04		19	5	62	.07	6	.3	1.2	A
		10	836	57.61	39	30.12	121	31.90	9.26	1.0	18.20		16	7	93	.07	7	.5	.8	A
		10	917	51.03	39	30.05	121	31.61	7.49	.9	18.08		26	11	91	.09	6	.4	.9	A
		10	1113	39.56	39	26.70	121	31.08	7.16	1.8	19.16		10	0	52	.03	7	.6	1.6	A
		10	12 3	10.31	39	26.54	121	29.98	4.94	1.0	18.20		13	3	55	.04	7	.4	1.3	A
		10	12 4	27.54	39	26.43	121	30.11	4.70	.9	18.08		15	4	54	.04	7	.4	.9	A
		10	1234	27.54	39	24.97	121	28.06	8.47	1.4	18.68		13	3	77	.10	7	.5	1.1	A
		10	1331	29.71	39	20.61	121	30.61	5.21	.7	17.84		12	3	75	.06	5	.4	1.0	A
		10	1435	25.23	39	24.32	121	30.12	4.55	1.9	19.28		16	2	75	.05	7	.4	1.3	A
		10	1922	20.92	39	24.15	121	28.69	3.90	.7	17.84		9	4	153	.09	10	.6	1.4	A
		10	20 7	41.21	39	24.20	121	28.76	3.89	.7	17.84		9	4	154	.08	9	.7	1.5	A
		10	2116	1.03	39	24.51	121	28.55	4.19	.8	17.96		10	5	145	.08	9	.5	1.3	A
		10	2125	44.75	39	26.22	121	29.01	3.75	2.0	19.40		9	4	197	.06	11	.6	.9	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	10	2154	12.93	30	30.43	121	31.57	.88	1.0	18.20		14	3	7	.05	6	.7	.1	A
		10	2251	54.27	39	28.96	121	30.11	5.95	.8	17.96		9	4	125	.10	8	.5	1.4	A
		11	047	46.21	39	26.24	121	30.18	4.72	1.7	19.04		22	5	55	.04	6	.3	1.0	A
		11	147	19.93	39	28.01	121	28.20	.74	1.4	18.68		15	4	62	.07	6	.4	.4	A
		11	240	16.39	39	27.81	121	28.07	.65	2.8	20.36		24	3	58	.07	5	.3	.5	A
		11	256	16.76	39	27.55	121	28.90	2.72	1.6	18.92		8	0	77	.02	8	.5	1.3	A
		11	314	27.20	39	28.11	121	28.07	.78	1.3	18.56		11	3	97	.05	6	.4	.5	A
		11	611	36.30	39	27.48	121	28.98	3.10	4.4	22.28		10	0	48	.05	5	.4	.9	A
		11	621	58.62	39	24.85	121	30.21	6.49	1.4	18.68		21	4	69	.05	5	.5	1.2	A
		11	623	6.95	39	27.24	121	28.11	.90	1.1	18.32		12	1	74	.05	5	.4	1.8	A
		11	634	50.71	39	25.28	121	30.37	4.99	2.2	19.64		18	0	56	.05	6	.4	1.1	A
		11	718	34.36	39	27.54	121	29.47	3.36	.8	17.96		16	4	56	.04	5	.5	1.1	A
		11	736	9.62	39	30.19	121	31.37	8.19	.8	17.96		27	8	93	.06	6	.4	.7	A
		11	741	38.82	39	24.71	121	29.49	4.54	2.2	19.64		27	4	45	.06	5	.3	.0	A
		11	942	8.02	39	27.68	121	28.49	2.32	1.2	18.44		19	2	64	.05	4	.4	1.2	A
		11	1026	2.89	39	28.13	121	29.07	1.98	1.0	18.20		24	7	54	.06	3	.3	1.3	A
		11	1032	.65	39	26.42	121	31.11	6.79	.8	17.96		8	3	133	.07	12	.8	1.6	A
		11	1122	50.97	30	24.50	121	30.60	4.38	.7	17.84		7	3	171	.06		.4	1.7	A
		11	1520	13.62	39	24.80	121	29.34	5.02	1.9	19.28		22	5	65	.06	4	.4	1.0	A
		11	1559	5.37	39	30.34	121	31.59	9.81	3.8	21.56		19	0	57	.06	6	.5	.8	A
		11	16 1	4.40	39	29.90	121	31.45	7.69	.8	17.96		8	4	234	.08	8	.7	.3	B
		11	16 6	41.76	39	24.88	121	29.06	4.46	0.0	17.00		22	10	64	.06	4	.3	.0	A
		11	1622	59.11	39	30.70	121	31.52	9.74	.9	18.08		14	2	100	.05	7	.7	1.5	A
		11	1624	23.60	39	30.76	121	31.37	9.36	1.3	18.56		14	2	101	.06	7	.6	1.5	A
		11	1631	17.78	39	24.02	121	29.88	4.35	1.4	18.68		19	5	77	.06	6	.4	1.0	A
		11	17 1	29.85	39	24.86	121	30.82	7.20	1.5	18.80		10	5	168	.05	9	.6	1.1	A
		11	1848	18.48	39	30.52	121	31.59	9.84	.8	17.96		16	6	114	.04	7	.6	.8	A
		11	2026	26.48	30	27.85	121	28.76	2.65	1.4	18.68		10	3	50	.08	4	.4	.5	A
		11	2136	53.75	39	24.87	121	30.38	4.47	1.5	18.80		22	6	69	.08	5	.4	1.2	A
		11	2221	8.98	39	24.30	121	30.28	5.31	1.6	18.92		13	0	76	.03	7	.5	1.7	A
		12	1 5	21.25	39	24.50	121	29.92	5.46	1.9	19.28		24	3	71	.06	7	.4	1.2	A
		12	220	44.54	39	26.02	121	20.06	3.88	0.0	17.00		20	7	56	.05	6	.3	1.0	A
		12	429	2.07	39	26.46	121	29.15	3.65	2.3	19.76		17	0	65	.04	6	.4	1.1	A
		12	455	48.59	39	24.16	121	30.40	6.06	1.0	18.20		7	3	230	.03	15	1.2	1.4	A
		12	7 4	26.03	39	24.27	121	31.38	9.76	1.2	18.44		15	0	82	.06	6	.6	2.0	A
		12	713	10.52	39	26.44	121	29.30	3.22	1.4	18.68		21	5	63	.04	6	.4	.6	A
		12	1120	32.57	39	25.90	121	30.98	8.61	.8	17.96		7	4	278	.05	14	1.5	1.3	A
		12	1145	21.16	39	24.32	121	30.14	5.07	1.7	19.04		24	4	75	.06	5	.4	1.0	A
		12	1158	51.64	39	26.84	121	31.76	9.17	2.8	20.36		21	0	51	.03	6	.4	.6	A
		12	12 5	14.45	39	24.17	121	28.36	1.98	.7	17.84		6	3	221	.04	13	1.5	5.1	C
		12	1250	49.66	39	24.26	121	29.07	7.18	.6	17.72		5	2	240	.02	14	2.0	2.4	A
		12	1615	4.40	30	23.70	121	20.60	5.10	1.0	18.20		6	3	226	.01	18	1.2	2.8	B
		12	1730	42.66	39	24.16	121	29.30	6.31	1.5	18.80		20	2	71	.06	6	.4	1.2	A
		12	1842	8.49	39	30.73	121	31.34	9.26	2.3	19.76		18	0	60	.06	5	.5	.7	A
		12	1945	12.09	39	26.53	121	30.81	5.77	2.1	19.52		23	4	53	.05	5	.4	1.0	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	12	23 1	.05	30	30.24	121	31.63	10.10	1.4	18.68		13	3	8	.04	7	.7	.1	A
		13	157	3.36	39	24.70	121	20.52	5.54	1.3	18.56		22	6	75	.05	6	.4	.8	A
		13	319	28.37	39	30.81	121	31.56	11.20	1.5	18.80		12	1	78	.10	8	.6	1.4	A
		13	520	14.46	39	27.90	121	30.66	4.92	.8	17.96		15	7	93	.05	6	.4	.8	A
		13	727	40.05	39	24.04	121	30.72	9.15	.6	17.72		6	3	265	.04	16	1.2	1.8	A
		13	8 9	49.80	39	24.33	121	28.98	3.52	.9	18.08		18	8	86	.06	5	.4	1.1	A
		13	840	8.87	39	30.16	121	31.80	8.42	.7	17.84		17	6	123	.05	6	.5	.8	A
		13	1533	40.06	39	31.39	121	31.85	10.46	.9	18.08		7	3	241	.11	14	1.0	1.1	A
		13	16 2	28.60	39	28.77	121	31.25	9.08	2.3	19.76		23	2	72	.07	6	.5	1.0	A
		13	16 3	31.07	39	28.84	121	31.44	8.46	1.8	19.16		25	4	75	.05	6	.5	.9	A
		13	1752	34.73	39	24.42	121	27.91	3.52	1.0	18.20		8	3	192	.14	13	1.0	1.5	A
		13	1820	50.20	39	23.81	121	29.67	3.75	1.4	18.68		31	12	78	.07	6	.3	1.0	A
		13	2047	8.00	39	28.24	121	30.42	5.38	1.4	18.68		28	8	59	.05	5	.3	.7	A
		13	2140	39.85	39	29.58	121	20.03	6.05	1.6	18.92		26	7	50	.05	5	.4	.4	A
		13	2248	14.01	39	30.57	121	31.62	9.62	.7	17.84		16	7	73	.05	5	.6	.7	A
		14	253	34.38	39	24.28	121	30.05	3.73	1.0	18.20		8	4	225	.04	15	1.0	.7	B
		14	3 1	29.95	39	24.83	121	29.29	5.12	1.6	18.92		26	6	64	.06	4	.4	.9	A
		14	357	2.22	39	24.03	121	30.25	3.36	.8	17.96		17	7	80	.05	7	.3	1.6	A
		14	4 4	35.85	39	27.56	121	28.78	3.10	1.2	18.44		8	4	188	.00	11	2.1	1.0	A
		14	455	45.44	39	30.25	121	31.47	9.54	1.5	18.80		24	4	73	.06	6	.5	1.1	A
		14	545	11.90	39	29.14	121	29.71	5.25	.9	18.08		7	3	196	.08	10	1.1	1.6	A
		14	655	44.45	39	30.64	121	31.29	9.43	2.0	19.40		26	5	70	.06	5	.4	.8	A
		14	11 3	29.53	39	29.22	121	29.14	3.74	.6	17.72		18	8	78	.06	4	.4	1.0	A
		14	1231	4.94	39	26.88	121	28.73	5.83	1.0	18.20		8	4	190	.07	11	2.4	1.0	A
		14	1247	21.01	39	25.17	121	28.30	4.58	.7	17.84		23	11	71	.07	4	.4	.8	A
		14	22 6	58.53	39	26.75	121	30.04	3.64	.8	17.96		18	7	67	.05	6	.3	1.2	A
		15	344	14.81	39	25.62	121	29.80	5.27	1.3	18.56		26	8	59	.06	3	.4	.7	A
		15	5 9	42.59	39	24.71	121	20.46	4.21	1.2	18.44		25	8	66	.07	5	.3	.8	A
		15	655	30.07	39	24.14	121	20.00	4.58	.8	17.96		24	10	76	.06	6	.3	1.0	A
		15	827	25.08	39	27.29	121	29.74	3.46	.8	17.96		18	9	90	.06	5	.4	.8	A
		15	9 1	2.44	39	24.99	121	30.08	4.03	.8	17.96		24	10	67	.06	4	.3	1.0	A
		15	1032	9.96	39	31.39	121	31.47	9.77	1.5	18.80		26	4	64	.04	4	.5	1.0	A
		15	1154	54.14	39	25.03	121	28.61	3.88	1.0	18.20		8	4	137	.05		.6	1.3	A
		15	1321	11.78	39	24.56	121	28.78	4.52	1.5	18.80		23	8	83	.05	5	.4	1.1	A
		15	1414	16.92	39	24.68	121	29.47	4.45	.8	17.96		6	3	154	.01	8	.9	2.8	B
		15	1455	7.59	39	24.60	121	30.21	1.18	.8	17.96		6	3	250	.08	16	1.2	26.7	D
		16	347	5.33	39	24.16	121	30.08	4.34	.9	18.08		8	4	173	.06	8	.6	1.7	A
		16	548	9.11	39	28.20	121	31.70	8.50	4.1	21.92		22	0	42	.08	5	.4	.6	A
		16	922	27.82	39	28.28	121	31.87	10.72	2.1	19.52		14	0	78	.07	5	.6	1.6	A
		16	936	3.53	39	26.01	121	29.71	2.16	1.2	18.44		17	6	58	.04	7	.3	1.8	A
		16	1217	27.99	39	24.50	121	30.82	5.78	1.2	18.44		22	11	76	.06	6	.4	1.0	A
		16	1223	24.19	39	29.86	121	30.27	7.11	3.1	20.72		21	0	41	.07	5	.4	.6	A
		16	1320	56.28	39	25.99	121	31.77	7.79	1.6	18.92		15	2	70	.07	5	.5	1.1	A
		16	14 0	8.36	39	29.77	121	30.03	6.85	2.7	20.24		21	0	41	.08	4	.4	.7	A
		16	14 9	29.73	39	29.75	121	30.20	6.44	2.8	20.36		21	0	41	.08	5	.4	.7	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	16	1918	28.84	39	24.51	121	30.22	3.56	1.4	18.68		11	2	73	.06	7	.5	1.8	A
		17	016	.32	39	25.63	121	31.71	10.99	2.0	19.40		15	1	75	.07	5	.7	1.9	A
		17	033	4.51	39	24.76	121	29.52	4.71	1.4	18.68		17	5	74	.06	6	.4	1.0	A
		17	052	3.30	39	30.09	121	29.29	5.76	1.6	18.92		17	3	97	.07	3	.4	1.1	A
		17	711	37.40	39	28.05	121	29.67	3.29	1.1	18.32		16	5	53	.04	5	.3	.7	A
		17	835	12.45	39	27.65	121	28.71	2.11	1.0	18.20		13	5	76	.04	5	.3	.7	A
		17	1045	3.17	39	30.34	121	29.78	6.03	1.5	18.80		16	2	88	.05	4	.5	.8	A
		17	1119	47.62	39	25.39	121	31.40	8.67	1.1	18.32		17	5	74	.06	5	.6	.9	A
		17	1231	7.23	39	27.75	121	28.66	3.12	1.8	19.16		17	3	62	.06	6	.4	1.2	A
		17	14 6	7.79	39	28.17	121	29.74	3.55	1.1	18.32		19	8	53	.04	4	.3	.7	A
		17	1715	9.43	39	24.38	121	30.37	3.37	1.3	18.56		19	7	76	.07	7	.3	1.2	A
		18	016	37.55	39	25.16	121	29.76	4.88	2.1	19.52		14	0	63	.05	7	.5	1.5	A
		18	121	23.97	39	27.84	121	31.65	9.58	1.7	19.04		15	1	69	.08	5	.6	1.3	A
		18	2 2	43.59	39	27.92	121	29.88	3.78	1.0	18.20		14	5	88	.03	6	.5	1.0	A
		18	237	46.62	39	26.12	121	29.47	2.60	1.5	18.80		15	2	61	.06	7	.4	1.5	A
		18	356	53.04	39	24.08	121	29.99	6.27	2.5	20.00		21	0	79	.07	7	.4	.8	A
		18	512	25.99	39	24.22	121	30.09	4.95	1.4	18.68		21	8	77	.05	7	.4	1.1	A
		18	711	42.25	39	24.10	121	29.26	5.70	2.6	20.12		21	0	87	.07	6	.4	.8	A
		18	727	56.11	39	23.83	121	28.74	7.80	1.5	18.80		6	0	101	.05	7	1.1	2.4	A
		18	737	11.25	39	25.54	121	29.29	4.14	1.1	18.32		20	8	62	.07	6	.4	1.1	A
		18	950	43.87	39	29.43	121	28.93	3.16	.8	17.96		18	8	82	.05	4	.4	1.2	A
		18	1031	12.66	39	24.32	121	29.43	4.36	1.2	18.44		19	8	82	.06	6	.3	1.1	A
		18	1755	49.94	39	24.18	121	30.00	7.31	1.6	18.92		10	0	78	.07	8	.6	2.3	A
		18	1852	36.71	39	24.84	121	30.32	4.29	1.5	18.80		21	7	69	.07	7	.4	1.3	A
		19	116	59.93	39	25.18	121	29.39	4.17	1.1	18.32		16	7	61	.06	6	.4	1.1	A
		19	154	30.08	39	30.30	121	31.96	9.15	1.1	18.32		21	8	79	.05	6	.5	.8	A
		19	225	3.68	39	25.92	121	29.48	3.47	1.1	18.32		18	9	104	.05	7	.4	1.0	A
		19	4 0	.06	39	24.59	121	29.29	3.78	1.6	18.92		12	0	78	.06	6	.5	1.4	A
		19	435	4.29	39	24.25	121	29.88	5.99	1.8	19.16		12	0	78	.07	7	.5	1.7	A
		19	914	38.68	39	23.94	121	30.24	3.29	1.2	18.44		17	7	81	.06	7	.3	1.5	A
		19	1116	15.83	39	26.10	121	31.15	6.43	1.1	18.32		20	9	61	.07	5	.4	.8	A
		19	1755	24.18	39	24.63	121	30.01	5.57	1.3	18.56		15	6	72	.06	7	.4	1.3	A
		19	2032	50.25	39	24.57	121	29.43	5.04	1.7	19.04		10	0	77	.06	8	.5	1.8	A
		20	211	37.04	39	26.57	121	29.62	2.66	1.3	18.56		19	8	59	.07	6	.4	2.1	A
		20	230	16.15	39	24.54	121	29.89	6.87	3.2	20.84		18	0	74	.07	7	.5	1.1	A
		20	825	33.12	39	27.56	121	29.20	2.92	1.2	18.44		18	8	83	.05	4	.4	1.1	A
		20	2137	21.85	39	29.31	121	31.43	9.94	1.3	18.56		15	0	75	.07	6	.7	1.9	A
		21	049	11.42	39	24.12	121	30.14	5.37	1.8	19.16		13	0	78	.05	7	.5	1.8	A
		21	722	26.95	39	30.17	121	31.98	9.65	1.4	18.68		16	0	80	.07	6	.6	1.3	A
		21	12 8	2.18	39	25.19	121	30.41	8.28	1.8	19.16		16	0	66	.05	6	.6	1.6	A
		21	1731	53.64	39	23.93	121	29.54	4.36	1.5	18.80		15	5	87	.06	7	.5	1.6	A
		21	19 0	38.73	39	25.33	121	28.09	5.74	2.7	20.24		12	0	69	.06	10	.5	1.0	A
		21	1913	57.46	39	25.13	121	28.03	4.29	1.3	18.56		16	4	76	.07	7	.5	1.5	A
		21	21 2	32.47	39	25.46	121	29.81	5.40	1.4	18.68		15	6	61	.06	7	.5	1.5	A
		21	2320	16.86	39	30.22	121	29.87	6.13	1.6	18.92		8	0	64	.02	8	.6	1.6	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	22	241	33.01	39	25.71	121	28.53	5.14	1.7	19.04		7	0	157	.04	7	.9	1.7	A
		22	3 9	56.01	39	25.20	121	28.12	5.19	1.3	18.56		21	8	75	.07	5	.4	1.0	A
		22	1139	27.43	39	25.30	121	28.23	4.47	1.2	18.44		21	9	75	.07	5	.4	.9	A
		22	1437	56.21	39	30.32	121	31.54	9.57	1.3	18.56		23	10	74	.07	5	.5	.9	A
		23	050	24.54	39	25.53	121	30.16	5.36	1.5	18.80		14	0	61	.05	6	.5	1.4	A
		23	437	.14	39	26.91	121	30.03	4.14	1.7	19.04		14	0	54	.07	6	.4	1.2	A
		23	1155	46.11	39	24.65	121	30.28	4.35	1.1	18.32		19	7	71	.06	7	.3	1.0	A
		23	1259	24.36	39	29.42	121	32.00	10.40	2.2	19.64		15	0	83	.06	6	.6	1.5	A
		23	1525	17.06	39	29.94	121	29.78	4.45	1.1	18.32		20	8	84	.07	4	.3	.8	A
		23	1717	53.75	39	29.92	121	29.41	5.28	2.0	19.40		15	0	55	.06	4	.5	1.3	A
		23	1831	52.97	39	29.82	121	29.43	5.27	3.1	20.72		21	0	43	.06	4	.4	.7	A
		24	829	38.63	39	28.81	121	30.05	4.86	.9	18.08		18	8	72	.06	4	.4	1.0	A
		24	9 9	41.32	39	25.97	121	29.41	4.95	1.2	18.44		23	12	62	.06	7	.4	.9	A
		24	910	37.35	39	30.23	121	29.58	5.59	3.4	21.08		20	0	40	.07	4	.4	.6	A
		24	955	57.22	39	30.24	121	29.07	3.04	2.1	19.52		16	0	62	.08	3	.4	1.1	A
		24	1249	24.04	39	25.04	121	28.36	4.31	1.4	18.68		13	0	74	.06	5	.5	1.2	A
		24	1655	11.85	39	25.62	121	30.17	5.19	1.0	18.20		18	8	60	.08	6	.4	1.1	A
		24	2119	53.87	39	24.02	121	30.22	4.74	1.5	18.80		20	9	80	.06	7	.4	1.4	A
		25	255	47.74	39	25.11	121	28.21	4.51	1.0	18.20		19	9	73	.07	5	.4	.9	A
		25	555	43.96	39	29.34	121	28.83	3.21	1.0	18.20		17	5	89	.05	3	.4	1.0	A
		25	939	44.89	39	25.36	121	29.80	4.70	1.2	18.44		17	6	62	.05	7	.4	1.1	A
		25	1150	22.44	39	31.04	121	31.47	8.83	1.3	18.56		25	12	69	.07	4	.5	.8	A
		25	1326	13.55	39	25.14	121	29.22	3.49	1.1	18.32		15	5	61	.07	6	.4	.9	A
		25	1335	11.21	39	30.10	121	29.49	4.89	3.2	20.84		18	0	52	.06	6	.4	.8	A
		25	1653	6.62	39	24.20	121	30.00	6.47	2.0	19.40		12	0	78	.07	7	.5	1.7	A
		25	1939	44.14	39	29.73	121	30.01	6.29	2.3	19.76		13	0	60	.05	6	.5	1.3	A
		25	22 4	.85	39	30.44	121	31.49	11.08	2.0	19.40		15	0	73	.06	5	.6	1.5	A
		25	2236	51.84	39	30.27	121	29.19	4.71	2.1	19.52		15	0	61	.06	3	.5	1.3	A
		25	2340	54.23	39	29.24	121	29.83	5.75	1.7	19.04		15	0	58	.06	4	.4	1.1	A
		26	039	40.51	39	25.40	121	31.56	8.83	1.1	18.32		11	0	76	.06	5	.6	2.2	A
		26	721	24.64	39	25.02	121	29.25	5.95	1.3	18.56		19	6	62	.05	6	.4	.8	A
		26	8 0	7.83	39	24.37	121	28.93	3.79	1.2	18.44		22	9	85	.07	5	.4	.9	A
		26	1256	20.87	39	28.04	121	28.82	2.15	1.8	19.16		13	0	57	.05	5	.4	1.5	A
		26	13 5	17.96	39	28.05	121	29.12	2.57	1.2	18.44		17	6	54	.06	4	.4	1.3	A
		26	1316	33.51	39	27.96	121	29.00	2.43	1.1	18.32		16	7	73	.04	4	.4	1.5	A
		26	1353	38.29	39	28.02	121	28.88	2.25	1.6	18.92		14	0	57	.06	5	.4	1.4	A
		26	16 8	34.72	39	25.32	121	29.82	4.55	1.6	18.92		13	0	62	.05	7	.5	1.5	A
		26	1622	57.00	39	25.17	121	31.62	9.08	1.9	19.28		15	0	79	.06	5	.6	1.7	A
		26	1827	43.78	39	24.51	121	31.65	8.17	2.3	19.76		20	0	62	.26	6	.4	.7	A
		26	20 4	1.44	39	30.45	121	30.03	5.65	1.2	18.44		15	3	81	.04	3	.5	.9	A
		27	157	43.03	39	24.95	121	28.43	5.05	1.3	18.56		23	8	76	.06	5	.5	.7	A
		27	447	27.23	39	24.25	121	30.34	7.33	1.7	19.04		17	2	77	.10	7	.5	1.5	A
		27	714	6.54	39	25.35	121	30.27	3.45	1.2	18.44		18	7	63	.06	6	.4	.9	A
		27	720	14.22	39	25.32	121	29.32	4.02	1.1	18.32		17	9	98	.05	6	.4	.8	A
		27	939	44.10	39	31.19	121	31.25	9.21	1.6	18.92		17	4	69	.06	4	.6	1.0	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	AUG	27	1717	14.01	39	28.48	121	31.59	10.55	2.1	19.52		16	1	75	.07	5	.6	1.1	A
		27	1737	5.11	39	28.17	121	31.97	8.83	1.3	18.56		18	7	78	.05	5	.5	1.1	A
		27	1753	51.20	39	24.28	121	28.86	4.23	1.2	18.44		16	7	88	.06	5	.4	1.1	A
		27	1929	25.77	39	30.05	121	31.39	7.56	1.2	18.44		23	11	73	.07	5	.4	.8	A
		28	247	23.76	39	24.12	121	30.31	4.52	1.4	18.68		18	8	79	.05	7	.4	1.3	A
		28	553	22.09	39	29.81	121	29.66	4.15	.9	18.08		12	3	94	.04	5	.6	1.4	A
		28	1437	1.94	39	25.89	121	29.61	7.08	1.7	19.04		15	0	59	.06	7	.5	1.3	A
		28	1915	2.15	39	27.85	121	28.34	1.19	1.2	18.44		15	6	66	.06	6	.4	14.1	D
		29	733	11.02	39	28.02	121	28.34	1.96	1.5	18.80		15	0	61	.04	5	.4	1.7	A
		29	945	31.77	39	28.68	121	30.33	6.40	2.6	20.12		20	0	42	.08	5	.4	.7	A
		29	948	13.00	39	30.60	121	31.24	9.22	2.6	20.12		19	0	40	.09	5	.5	.7	A
		29	14 6	25.82	39	30.91	121	31.23	10.03	2.5	20.00		19	0	42	.09	5	.5	.7	A
		30	338	3.92	39	25.93	121	29.37	4.16	1.8	19.16		15	0	62	.07	7	.4	1.2	A
		30	1136	6.69	39	24.75	121	28.95	6.91	1.5	18.80		10	0	78	.07	8	.6	1.8	A
		30	12 3	46.45	39	31.23	121	28.86	5.21	.7	17.84		9	3	122	.06	4	.9	.9	A
		30	2253	31.45	39	30.29	121	31.68	9.12	1.0	18.20		9	3	88	.02	8	.9	1.6	A
		31	032	14.32	39	24.24	121	29.78	5.72	2.6	20.12		13	0	79	.07	9	.5	1.0	A
		31	10 5	47.85	39	30.37	121	32.10	8.82	1.1	18.32		23	10	80	.06	5	.4	.7	A
		31	1029	45.46	39	25.48	121	29.40	2.66	1.1	18.32		16	6	60	.05	6	.4	1.1	A
	SEP	1	441	41.58	39	24.63	121	29.16	3.62	2.3	19.76		16	0	79	.07	6	.4	1.2	A
		1	721	5.63	39	24.43	121	29.17	2.93	1.2	18.44		21	10	82	.05	6	.4	1.2	A
		1	21 3	10.81	39	24.29	121	30.31	5.76	2.1	19.52		8	0	76	.06	8	.6	3.1	B
		1	2223	31.73	39	29.46	121	29.67	4.85	.9	18.08		12	5	129	.06	4	.4	.9	A
		2	158	51.71	39	24.68	121	29.80	3.95	1.1	18.32		14	6	73	.06	7	.4	1.6	A
		2	456	12.36	39	23.82	121	29.46	4.26	1.3	18.56		15	6	90	.05	6	.5	1.6	A
		2	946	15.13	39	31.74	121	31.40	9.32	1.1	18.32		23	10	81	.07	4	.4	.5	A
		2	949	53.43	39	31.90	121	31.40	9.95	1.8	19.16		16	0	61	.07	4	.6	1.2	A
		2	1427	23.90	39	24.97	121	29.61	4.27	1.0	18.20		17	9	131	.06	7	.3	1.2	A
		3	028	25.71	39	31.92	121	31.72	9.27	.9	18.08		16	8	152	.06	3	1.2	1.0	A
		3	050	19.21	39	23.76	121	31.45	5.31	1.4	18.68		16	7	92	.06	7	.4	1.2	A
		3	747	25.97	39	24.44	121	29.55	3.08	1.0	18.20		13	6	126	.03	6	.4	1.6	A
		3	21 1	52.89	39	30.11	121	29.48	4.20	1.5	18.80		20	9	71	.06	3	.4	1.1	A
		3	2120	53.68	39	30.05	121	29.27	4.74	2.1	19.52		15	0	55	.08	3	.4	1.1	A
		3	2356	26.24	39	29.93	121	31.72	6.92	1.2	18.44		18	8	78	.06	6	.4	.7	A
		4	117	1.51	39	24.39	121	32.17	12.23	2.9	20.48		16	0	93	.07	7	.7	1.7	A
		4	136	24.20	39	24.52	121	31.08	6.32	1.2	18.44		17	7	77	.08	6	.3	.9	A
		4	1246	3.55	39	30.19	121	31.99	9.10	1.5	18.80		21	8	80	.08	5	.5	.9	A
		4	1423	14.31	39	29.74	121	31.87	5.30	1.1	18.32		8	2	151	.13	9	.9	2.9	B
		4	1539	24.90	39	30.68	121	31.38	11.49	1.9	19.28		13	0	70	.06	5	.7	1.9	A
		4	16 3	43.51	39	24.43	121	30.07	7.40	2.0	19.40		13	0	74	.07	7	.6	1.8	A
		4	1952	51.91	39	25.62	121	31.57	7.43	1.3	18.56		15	6	73	.08	9	.5	1.0	A
		4	21 4	13.69	39	30.11	121	31.73	8.94	1.2	18.44		15	6	83	.05	6	.5	1.0	A
		5	1956	32.39	39	24.77	121	30.86	7.37	1.5	18.80		10	0	72	.05	8	.6	2.0	A
		5	21 1	38.90	39	24.25	121	30.75	6.93	3.2	20.84		11	0	79	.07	8	.5	1.8	A
		5	2353	46.56	39	24.26	121	29.43	1.30	.6	17.72		7	2	127	.07	8	.9	36.3	D

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	SEP	6	137	4.92	39	24.24	121	30.91	8.10	2.8	20.36		11	0	80	.05	8	.6	2.0	A
		6	942	37.90	39	24.88	121	29.46	6.39	2.1	19.52		10	0	72	.06	8	.5	1.8	A
		6	1427	4.03	39	30.46	121	31.49	9.63	1.2	18.44		19	6	73	.05	5	.6	.9	A
		6	2110	54.20	39	24.22	121	30.86	7.78	2.4	19.88		15	0	80	.05	7	.5	1.7	A
		7	031	30.08	39	28.93	121	29.44	5.91	2.0	19.40		8	0	149	.04	8	1.0	2.0	A
		7	036	12.21	39	27.21	121	31.40	7.52	1.9	19.28		11	3	204	.06	7	.7	1.5	A
		7	12 7	10.03	39	24.70	121	29.63	5.57	1.7	19.04		13	0	74	.06	8	.5	1.9	A
		7	1235	7.57	39	24.86	121	31.66	9.67	1.4	18.68		10	2	255	.06	10	1.2	1.5	A
		7	1447	54.89	39	24.49	121	29.83	4.57	1.4	18.68		10	3	263	.05	11	1.6	1.9	A
		7	1738	8.33	39	24.08	121	29.82	7.00	1.4	18.68		13	1	81	.06	7	.6	1.9	A
		7	2155	40.76	39	29.81	121	29.31	4.63	1.6	18.92		9	2	197	.03	6	1.5	2.5	B
		9	223	10.61	39	30.28	121	31.66	10.29	1.4	18.68		21	7	76	.07	5	.6	.8	A
		9	329	28.27	39	23.28	121	30.10	9.11	1.6	18.92		8	0	304	.06	13	5.4	4.8	C
		9	2048	25.98	39	24.34	121	32.00	11.48	2.3	19.76		18	1	90	.07	7	.6	1.6	A
		9	21 7	54.82	39	27.85	121	31.76	9.16	1.2	18.44		8	2	202	.03	9	2.6	3.5	B
		10	4 6	50.00	39	23.99	121	31.98	10.73	1.2	18.44		19	6	89	.07	6	.6	1.1	A
		10	417	49.61	39	29.14	121	31.52	8.57	1.3	18.56		21	6	76	.08	6	.5	1.0	A
		10	1024	22.17	39	31.01	121	31.41	8.15	.8	17.96		16	5	71	.04	4	.5	1.0	A
		10	1216	7.51	39	29.59	121	29.77	5.93	1.2	18.44		23	9	87	.07	4	.4	.7	A
		10	1238	30.61	39	31.32	121	31.33	8.37	3.4	21.08		17	0	65	.06	4	.5	1.1	A
		10	1253	18.04	39	25.24	121	31.72	7.94	1.1	18.32		22	10	80	.09	5	.4	1.0	A
		10	1257	33.07	39	25.47	121	29.73	4.83	1.1	18.32		17	7	60	.06	7	.4	1.0	A
		10	1258	10.43	39	30.67	121	31.78	9.87	1.2	18.44		28	13	74	.11	5	.4	.7	A
		10	1340	36.54	39	31.19	121	31.53	7.57	1.3	18.56		23	9	68	.07	4	.4	.8	A
		10	1351	41.11	39	31.30	121	31.26	8.00	1.2	18.44		26	11	78	.06	4	.4	.8	A
		10	1723	45.97	39	31.30	121	31.40	8.95	2.5	20.00		17	0	66	.06	4	.5	1.2	A
		10	1739	4.84	39	31.31	121	31.31	8.31	3.5	21.20		18	1	65	.07	4	.5	1.0	A
		10	1758	59.63	39	31.17	121	31.49	7.93	1.1	18.32		25	10	68	.08	4	.5	.7	A
		10	18 1	20.74	39	30.99	121	31.47	7.24	1.0	18.20		19	6	70	.06	4	.5	.9	A
		10	1850	39.44	39	31.19	121	31.30	8.33	2.8	20.36		18	1	66	.07	4	.5	1.0	A
		10	2146	1.37	39	27.47	121	31.15	7.09	1.2	18.44		24	11	58	.10	6	.4	.9	A
		10	2247	42.81	39	24.24	121	29.97	4.96	1.3	18.56		18	7	77	.05	7	.4	1.2	A
		11	051	49.11	39	24.57	121	30.15	3.62	1.2	18.44		18	8	72	.07	7	.3	1.2	A
		11	1145	30.92	39	30.23	121	31.67	9.46	.9	18.08		19	6	76	.05	5	.6	.8	A
		11	12 9	46.64	39	31.01	121	31.47	7.22	.8	17.96		18	8	71	.06	4	.5	.9	A
		11	1356	35.91	39	30.08	121	29.54	3.79	1.0	18.20		19	8	92	.06	4	.4	1.2	A
		11	1729	33.21	39	24.38	121	30.21	4.62	1.2	18.44		16	8	75	.07	7	.4	1.2	A
		11	1827	31.16	39	31.11	121	31.44	7.09	.9	18.08		14	5	108	.05	4	.5	1.0	A
		11	1842	32.67	39	28.72	121	30.28	4.12	1.0	18.20		13	5	96	.06	6	.4	1.8	A
		11	2347	4.60	39	24.11	121	30.03	4.60	1.2	18.44		19	10	79	.06	7	.4	1.0	A
		12	2 0	47.78	39	30.69	121	28.93	3.95	3.5	21.20		16	0	66	.07	4	.4	1.0	A
		12	3 7	51.50	39	30.51	121	29.31	2.97	.7	17.84		15	6	104	.06	3	.4	1.4	A
		12	1135	49.03	39	29.94	121	29.55	4.22	1.2	18.44		25	11	89	.07	4	.3	1.1	A
		12	1238	19.06	39	30.59	121	29.38	4.30	.6	17.72		16	8	102	.07	3	.5	1.0	A
		12	18 0	23.00	39	30.78	121	28.90	3.99	.9	18.08		15	6	112	.04	2	.5	1.0	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	SEP	13	1055	56.83	39	25.04	121	31.42	8.49	1.0	18.20		17	6	77	.08	5	.5	.9	A
		13	1818	22.80	39	23.95	121	29.82	5.66	1.6	18.92		19	3	83	.06	7	.5	1.5	A
		13	1827	50.09	39	23.88	121	29.89	5.81	2.0	19.40		16	0	83	.05	7	.5	1.6	A
		13	20 0	19.30	39	24.31	121	29.35	4.39	1.2	18.44		18	7	83	.06	6	.4	1.1	A
		14	440	1.81	39	29.63	121	29.84	5.68	1.2	18.44		23	8	77	.06	4	.4	.9	A
		14	19 8	8.61	39	24.73	121	29.52	3.07	1.1	18.32		18	8	74	.05	6	.4	1.0	A
		14	1910	6.84	39	28.85	121	30.33	4.94	1.1	18.32		18	7	61	.04	5	.4	1.1	A
		14	2112	31.64	39	24.35	121	29.43	3.72	1.3	18.56		16	6	81	.06	6	.4	1.2	A
		15	114	12.27	39	24.99	121	29.27	3.84	1.6	18.92		15	0	63	.05	6	.5	1.3	A
		15	336	6.79	39	30.69	121	29.05	4.17	1.2	18.44		24	10	65	.07	2	.3	.7	A
		15	422	.17	39	26.31	121	29.37	3.75	1.3	18.56		13	1	62	.05	6	.5	1.3	A
		15	537	6.66	39	29.52	121	29.26	3.31	1.0	18.20		16	6	87	.06	3	.4	1.3	A
		15	6 8	3.36	39	26.26	121	29.43	2.91	1.2	18.44		20	9	61	.06	6	.3	1.0	A
		15	1447	11.04	39	24.15	121	30.61	8.87	2.6	20.12		17	0	80	.06	7	.6	1.7	A
		15	1813	54.37	39	26.13	121	29.29	2.95	1.5	18.80		16	0	63	.05	7	.4	1.3	A
		15	2149	21.22	39	23.83	121	30.05	4.70	1.3	18.56		19	9	82	.07	7	.4	.9	A
		16	423	53.58	39	30.84	121	28.59	3.83	1.4	18.68		16	0	70	.06	4	.4	1.0	A
		16	1810	43.19	39	24.32	121	31.00	6.31	1.2	18.44		21	10	79	.07	6	.3	.8	A
		17	622	34.99	39	25.02	121	30.86	4.75	1.3	18.56		23	10	69	.07	6	.3	1.2	A
		17	718	58.82	39	24.82	121	29.44	4.99	1.5	18.80		15	0	73	.05	6	.5	1.4	A
		17	854	14.87	39	29.21	121	31.13	4.61	1.0	18.20		16	5	71	.05	6	.4	1.1	A
		17	1036	12.74	39	25.74	121	28.92	4.71	1.2	18.44		21	9	67	.07	6	.4	1.0	A
		17	1255	40.68	39	25.34	121	28.34	4.89	1.0	18.20		19	10	73	.06	5	.5	1.3	A
		18	034	43.49	39	23.62	121	31.09	3.44	1.7	19.04		12	0	92	.05	7	.5	2.7	B
		18	053	54.03	39	23.59	121	31.14	1.71	1.3	18.56		18	7	93	.06	7	.4	4.3	B
		18	626	39.45	39	29.21	121	30.07	4.64	.9	18.08		12	5	122	.06	7	.5	1.8	A
		18	1415	9.88	39	24.28	121	29.39	4.60	1.2	18.44		16	7	83	.06	6	.4	1.1	A
		18	2219	24.96	39	26.94	121	28.71	3.08	1.5	18.80		16	0	68	.04	5	.5	1.2	A
		19	5 8	9.54	39	30.55	121	31.77	10.93	1.6	18.92		16	0	75	.06	5	.6	1.5	A
		19	518	15.50	39	30.59	121	31.70	9.55	1.1	18.32		28	13	74	.08	5	.5	.8	A
		19	712	23.59	39	30.46	121	31.67	9.37	1.4	18.68		29	13	75	.08	5	.4	.7	A
		19	16 1	12.11	39	25.34	121	29.65	4.79	1.2	18.44		19	8	61	.07	7	.4	.9	A
		19	1827	22.69	39	30.40	121	31.95	9.05	1.0	18.20		17	8	78	.04	5	.6	1.0	A
		19	2114	51.73	39	24.17	121	30.41	3.23	1.3	18.56		19	10	79	.07	7	.3	1.5	A
		20	653	14.57	39	30.35	121	30.35	8.04	2.2	19.64		17	0	62	.05	5	.5	1.2	A
		20	754	42.71	39	28.82	121	31.50	3.66	1.1	18.32		23	11	75	.06	6	.3	1.4	A
		20	836	40.98	39	24.37	121	30.08	5.44	1.4	18.68		15	0	75	.05	7	.5	1.8	A
		20	1222	34.40	39	24.15	121	30.40	8.17	1.4	18.68		16	0	79	.05	7	.6	1.8	A
		21	035	53.45	39	30.00	121	30.00	7.05	.9	18.08		16	0	59	.05	4	.5	1.2	A
		21	210	2.44	39	24.51	121	30.07	3.79	1.1	18.32		17	7	73	.07	7	.4	1.2	A
		21	1213	39.60	39	24.55	121	30.78	3.34	.9	18.08		15	5	75	.07	6	.4	1.5	A
		21	1219	35.76	39	24.17	121	29.89	3.21	1.0	18.20		13	4	79	.07	7	.4	1.6	A
		21	1514	18.83	39	24.33	121	30.88	6.40	1.0	18.20		14	6	79	.08	6	.5	1.1	A
		21	1749	58.34	39	23.85	121	29.66	5.48	2.1	19.52		17	0	87	.07	6	.5	1.4	A
		21	2221	50.90	39	30.80	121	31.63	10.00	1.0	18.20		20	7	72	.08	5	.6	.9	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	SEP	22	15 2	12.84	39	24.63	121	31.37	7.24	1.0	18.20		18	7	78	.08	6	.5	1.0	A
		22	2125	8.67	39	25.68	121	29.72	6.59	2.4	19.88		15	0	58	.06	7	.5	1.6	A
		23	241	25.33	39	23.91	121	29.92	3.15	1.0	18.20		12	5	82	.07	7	.4	1.8	A
		23	543	30.34	39	26.69	121	31.86	7.83	.9	18.08		19	7	55	.08	6	.5	1.2	A
		23	717	45.38	39	27.01	121	29.46	3.94	1.3	18.56		18	6	59	.43	5	.3	1.2	A
		23	757	55.28	39	24.91	121	30.06	6.64	1.1	18.32		22	11	68	.55	7	.4	.9	A
		23	1127	18.86	39	23.72	121	30.02	4.44	1.1	18.32		18	7	84	.07	7	.4	1.0	A
		23	1224	14.20	39	24.62	121	30.51	4.01	1.0	18.20		18	9	73	.06	7	.4	1.4	A
		23	23 2	59.83	39	30.58	121	28.94	4.07	1.2	18.44		22	9	110	.06	4	.4	.8	A
		24	228	50.27	39	24.82	121	29.47	4.41	1.4	18.68		17	7	73	.06	6	.4	1.0	A
		24	1127	35.22	39	24.19	121	28.74	4.78	1.2	18.44		22	12	91	.07	6	.4	.8	A
		25	1346	22.90	39	25.49	121	28.49	4.78	2.0	19.40		15	0	72	.06	5	.5	1.3	A
		26	231	6.71	39	29.25	121	31.28	10.28	4.0	21.80		16	0	73	.07	6	.6	1.3	A
		26	3 6	32.05	39	29.09	121	31.45	9.52	1.4	18.68		21	7	75	.08	6	.5	.8	A
		26	3 9	29.97	39	29.16	121	31.62	8.39	1.0	18.20		19	6	78	.07	6	.5	.7	A
		26	435	52.44	39	23.88	121	29.73	5.35	2.5	20.00		17	0	85	.07	6	.5	1.5	A
		26	536	44.72	39	24.25	121	31.03	5.25	1.3	18.56		20	7	81	.07	6	.4	1.7	A
		26	815	8.05	39	24.26	121	30.98	6.79	1.6	18.92		15	0	80	.06	6	.5	1.8	A
		26	957	15.70	39	24.99	121	29.69	5.98	3.1	20.72		16	0	66	.07	7	.5	1.5	A
		26	1041	41.94	39	24.88	121	29.77	4.59	1.1	18.32		19	8	70	.06	7	.4	1.0	A
		26	1053	20.91	39	24.92	121	29.94	4.00	1.0	18.20		15	7	77	.07	7	.4	1.2	A
		26	1249	31.55	39	25.03	121	29.74	5.74	1.7	19.04		15	0	65	.06	7	.5	1.6	A
		26	1255	55.79	39	24.79	121	29.90	4.90	1.4	18.68		15	4	127	.03	7	.5	2.0	A
		26	13 1	27.80	39	24.90	121	29.75	4.39	1.3	18.56		20	9	70	.07	7	.3	1.0	A
		26	1543	6.39	39	24.82	121	29.83	4.20	1.1	18.32		16	7	71	.07	7	.4	1.2	A
		26	1812	46.59	39	24.81	121	29.58	4.83	1.8	19.16		24	9	73	.07	6	.3	.9	A
		27	122	57.95	39	28.82	121	30.30	5.11	1.1	18.32		19	8	73	.05	5	.5	1.3	A
		27	2 7	52.77	39	24.97	121	29.63	4.38	1.2	18.44		20	9	66	.07	6	.4	1.0	A
		27	210	36.11	39	24.21	121	30.13	4.48	1.7	19.04		19	4	76	.08	7	.4	1.4	A
		27	245	53.41	39	24.91	121	29.69	4.20	1.0	18.20		14	5	71	.07	7	.4	1.1	A
		27	247	10.23	39	23.67	121	29.86	5.88	2.1	19.52		16	0	86	.09	7	.5	1.6	A
		27	310	48.22	39	26.24	121	29.45	2.17	1.2	18.44		23	9	61	.06	7	.3	1.3	A
		27	454	4.07	39	30.19	121	31.77	7.75	1.0	18.20		26	11	77	.06	5	.4	.7	A
		27	13 5	14.71	39	30.52	121	29.31	5.45	2.3	19.76		17	0	62	.06	4	.5	1.0	A
		27	2234	37.65	39	31.20	121	31.93	10.42	4.6	22.52		16	0	72	.06	5	.6	1.5	A
		27	2240	14.25	39	31.69	121	31.93	10.53	2.9	20.48		17	0	67	.06	4	.6	1.2	A
		27	2244	31.43	39	31.45	121	31.84	9.73	.8	17.96		16	4	69	.04	4	.7	1.6	A
		27	2245	9.30	39	30.84	121	31.38	9.99	1.2	18.44		27	11	69	.06	4	.5	.7	A
		27	2245	46.21	39	31.17	121	31.75	9.66	1.2	18.44		26	9	70	.08	4	.4	.6	A
		27	2246	46.52	39	31.65	121	31.65	9.66	1.2	18.44		31	13	77	.08	4	.4	.6	A
		27	2248	6.58	39	31.75	121	31.79	10.75	1.3	18.56		16	0	65	.06	4	.6	1.5	A
		27	2251	10.92	39	31.55	121	31.89	9.85	1.4	18.68		22	5	68	.07	3	.6	.7	A
		27	2253	44.69	39	31.18	121	31.73	9.87	1.4	18.68		17	0	70	.07	5	.6	1.1	A
		27	2254	26.31	39	31.86	121	31.72	9.49	1.5	18.80		19	3	82	.07	3	.5	1.0	A
		27	2254	59.99	39	30.74	121	31.91	9.34	1.1	18.32		22	9	75	.06	4	.5	.7	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	SEP	27	2259	2.28	39	30.96	121	31.13	9.92	.8	17.96		14	3	66	.06	4	.6	1.5	A
		27	23 4	30.38	39	31.42	121	31.33	11.07	3.2	20.84		17	0	65	.09	4	.6	1.2	A
		27	23 7	43.50	39	31.45	121	31.88	10.16	1.6	18.92		17	0	69	.05	4	.6	1.3	A
		27	2312	35.92	39	31.50	121	31.81	9.95	1.1	18.32		23	8	71	.06	4	.4	.6	A
		27	2328	4.58	39	30.93	121	31.43	10.69	3.2	20.84		17	0	69	.06	5	.7	1.1	A
		27	2331	33.59	39	30.89	121	31.07	9.20	.8	17.96		18	7	68	.08	5	.5	1.2	A
		27	2338	8.06	39	30.60	121	31.58	9.88	2.8	20.36		17	0	73	.07	5	.5	1.1	A
		27	2342	33.61	39	31.45	121	31.68	9.50	.9	18.08		19	7	67	.09	4	.7	1.1	A
		28	0 3	49.48	39	31.28	121	31.70	9.42	1.7	19.04		20	3	69	.09	4	.6	1.1	A
		28	034	23.23	39	31.14	121	31.81	10.40	1.5	18.80		17	0	71	.06	5	.6	1.3	A
		28	146	56.77	39	30.34	121	31.29	9.22	1.5	18.80		17	1	71	.08	6	.5	1.3	A
		28	422	15.60	39	31.70	121	31.91	10.71	1.8	19.16		17	0	67	.07	4	.6	1.2	A
		28	444	1.40	39	24.52	121	30.17	3.92	1.2	18.44		20	9	73	.08	7	.3	1.2	A
		28	5 7	10.73	39	31.01	121	31.33	10.15	1.3	18.56		19	2	68	.07	5	.6	1.0	A
		28	747	4.49	39	30.37	121	31.43	9.29	1.3	18.56		19	3	73	.07	5	.5	1.1	A
		28	9 5	1.82	39	30.33	121	31.41	10.28	1.4	18.68		24	7	72	.10	6	.6	.8	A
		28	925	36.96	39	24.46	121	30.13	5.76	2.1	19.52		14	0	73	.05	7	.6	1.8	A
		28	930	14.82	39	30.23	121	31.78	9.92	1.4	18.68		15	1	77	.07	5	.6	1.2	A
		28	959	9.00	39	24.65	121	30.10	3.95	1.4	18.68		24	11	71	.07	7	.3	1.3	A
		28	1249	32.52	39	25.14	121	29.65	4.61	1.3	18.56		24	12	63	.09	7	.3	1.0	A
		28	1619	12.93	39	31.38	121	31.30	10.21	.9	18.08		22	10	73	.08	4	.6	.7	A
		28	17 7	23.31	39	30.63	121	31.59	9.87	1.2	18.44		21	5	73	.09	5	.6	.9	A
		28	1840	29.92	39	31.41	121	31.75	9.77	1.3	18.56		21	5	70	.07	4	.7	.8	A
		28	1941	25.13	39	28.20	121	31.73	8.61	1.1	18.32		22	9	75	.07	5	.5	.8	A
		28	1959	50.44	39	31.96	121	31.29	9.33	1.6	18.92		21	4	61	.08	4	.5	1.1	A
		28	21 7	14.26	39	32.06	121	31.38	9.82	3.4	21.08		17	0	63	.07	4	.6	1.1	A
		28	21 9	39.97	39	32.08	121	31.50	11.25	1.5	18.80		16	0	91	.05	3	.7	1.6	A
		29	019	1.07	39	31.11	121	31.77	9.61	1.2	18.44		27	11	71	.06	5	.4	.7	A
		29	2 3	36.12	39	26.42	121	29.88	4.25	2.3	19.76		17	0	57	.07	6	.5	1.3	A
		29	527	44.39	39	31.41	121	31.68	9.85	1.3	18.56		21	5	71	.09	4	.5	.8	A
		29	835	.48	39	32.19	121	31.38	10.25	1.1	18.32		26	11	95	.11	3	.4	.6	A
		29	925	56.35	39	24.99	121	29.75	4.30	.8	17.96		14	6	76	.07	7	.4	.9	A
		29	952	59.90	39	30.56	121	31.59	7.01	1.0	18.20		21	10	73	.05	5	.5	.9	A
		29	10 9	36.76	39	30.41	121	31.40	9.50	1.3	18.56		17	0	72	.05	5	.6	1.5	A
		29	1151	11.27	39	30.88	121	30.40	7.31	1.4	18.68		20	4	61	.04	4	.6	1.5	A
		29	16 6	35.14	39	29.10	121	31.96	9.79	1.2	18.44		26	12	83	.07	6	.5	.7	A
		29	2041	24.45	39	24.87	121	29.76	4.45	1.0	18.20		16	7	71	.06	7	.4	1.5	A
		30	042	6.85	39	31.39	121	31.14	9.86	.9	18.08		20	9	80	.06	4	.6	1.0	A
		30	127	16.55	39	27.88	121	29.50	3.44	1.0	18.20		16	8	91	.05	5	.5	1.0	A
		30	537	50.52	39	31.17	121	31.73	9.79	1.0	18.20		24	9	70	.06	4	.5	.7	A
		30	728	28.67	39	23.98	121	31.91	10.93	1.2	18.44		22	8	89	.07	7	.5	.7	A
		30	1345	57.87	39	24.29	121	30.38	4.42	1.1	18.32		19	8	77	.05	7	.4	1.2	A
		30	1438	.07	39	24.73	121	30.01	4.32	.9	18.08		14	6	74	.06	7	.4	1.4	A
		30	17 8	33.54	39	23.99	121	31.40	7.00	1.7	19.04		13	0	166	.07	8	.8	2.0	A
	OCT	1	255	43.92	39	24.50	121	29.18	3.44	1.5	18.80		19	3	81	.05	6	.5	1.2	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	OCT	1	847	3.39	39	29.19	121	31.68	8.34	1.0	18.20		19	7	79	.06	6	.5	.7	A
		1	1317	18.99	39	31.27	121	31.62	9.79	1.1	18.32		23	10	80	.10	4	.5	.7	A
		2	231	8.98	39	24.15	121	30.29	3.51	1.1	18.32		20	10	78	.09	7	.3	1.5	A
		2	538	47.70	39	25.46	121	29.45	2.64	1.0	18.20		14	4	60	.05	7	.4	1.2	A
		2	832	4.42	39	30.80	121	30.52	5.94	1.0	18.20		23	10	62	.06	3	.4	.7	A
		2	917	18.80	39	29.66	121	28.98	3.15	.9	18.08		17	7	90	.05	4	.3	.9	A
		2	1530	9.37	39	23.94	121	30.93	2.98	1.0	18.20		11	4	156	.04	7	.5	1.8	A
		2	2142	25.37	39	27.96	121	29.17	3.25	1.8	19.16		17	1	55	.05	6	.4	1.9	A
		2	2146	54.76	39	27.85	121	29.18	3.12	1.3	18.56		13	0	56	.06	6	.4	2.7	B
		2	2215	.14	39	27.99	121	29.16	3.62	2.6	20.12		15	0	55	.06	5	.4	1.1	A
		2	2238	28.22	39	27.74	121	29.20	3.63	1.7	19.04		10	0	57	.05	8	.5	3.6	B
		3	137	19.92	39	24.30	121	32.31	12.10	1.7	19.04		16	0	96	.07	6	.7	2.1	A
		3	214	.76	39	24.18	121	32.32	13.05	2.3	19.76		17	0	96	.07	6	.7	2.0	A
		3	228	8.08	39	30.57	121	29.59	5.17	1.5	18.80		18	3	60	.05	4	.4	1.2	A
		3	645	18.55	39	29.90	121	30.17	5.88	1.5	18.80		16	0	61	.06	4	.5	1.4	A
		3	7 6	15.21	39	27.59	121	29.92	3.86	.9	18.08		22	11	80	.05	5	.3	.7	A
		3	816	53.83	39	30.52	121	31.84	8.08	1.0	18.20		26	13	76	.06	5	.4	.7	A
		3	935	16.36	39	24.88	121	28.42	4.33	1.4	18.68		23	11	78	.06	5	.4	1.2	A
		3	1438	49.09	39	24.97	121	28.32	2.63	.9	18.08		13	6	104	.06	5	.4	1.1	A
		3	1516	54.60	39	25.56	121	29.05	4.71	1.4	18.68		23	11	65	.05	6	.4	1.4	A
		3	2215	48.35	39	24.85	121	30.80	4.19	1.0	18.20		19	9	71	.07	6	.3	1.0	A
		3	2215	53.91	39	24.80	121	30.92	4.51	1.0	18.20		18	9	143	.06	6	.4	1.1	A
		4	019	18.66	39	24.14	121	31.08	5.90	2.7	20.24		14	0	83	.06	8	.6	1.8	A
		4	023	27.32	39	31.58	121	31.65	9.30	2.4	19.88		18	8	90	.04	4	.7	.7	A
		4	047	37.16	39	32.08	121	29.32	5.09	.9	18.08		20	8	83	.05	2	.5	.6	A
		4	220	40.55	39	24.32	121	31.09	5.21	1.1	18.32		25	10	80	.07	6	.4	1.1	A
		4	614	.21	39	30.35	121	31.69	8.24	1.1	18.32		29	15	75	.07	5	.4	.7	A
		4	1228	14.64	39	30.98	121	31.40	8.97	1.8	19.16		17	0	69	.06	5	.5	1.2	A
		4	1340	19.50	39	24.50	121	31.06	6.14	.9	18.08		25	14	77	.09	6	.3	.8	A
		4	16 7	3.22	39	24.42	121	30.98	5.53	1.0	18.20		15	8	80	.08	8	.3	1.2	A
		4	2151	8.10	39	26.02	121	29.36	3.31	1.2	18.44		15	7	62	.06	7	.3	1.7	A
		5	137	6.57	39	24.52	121	29.48	3.04	.9	18.08		11	4	78	.07	6	.4	1.4	A
		5	749	26.47	39	31.34	121	31.00	8.53	1.2	18.44		28	11	74	.06	3	.4	.7	A
		5	926	52.06	39	31.92	121	31.39	10.20	.8	17.96		21	9	104	.03	3	.5	.6	A
		5	2049	8.60	39	32.06	121	31.61	9.71	1.1	18.32		20	8	90	.05	3	.6	.6	A
		5	2341	47.00	39	23.90	121	31.17	6.01	1.6	18.92		22	7	88	.08	7	.5	1.5	A
		6	2 9	23.37	39	28.09	121	29.21	2.65	1.0	18.20		19	7	70	.04	4	.4	.8	A
		7	049	7.55	39	30.78	121	31.39	8.90	1.0	18.20		26	14	76	.07	4	.5	.7	A
		7	447	31.00	39	31.74	121	31.03	10.55	1.4	18.68		23	9	83	.08	3	.5	.7	A
		7	632	29.54	39	23.68	121	29.81	4.62	1.3	18.56		17	8	87	.08	7	.4	1.5	A
		7	1328	22.12	39	24.85	121	29.36	4.84	1.2	18.44		20	10	75	.07	9	.4	1.3	A
		7	1626	4.90	39	31.05	121	31.19	10.19	.9	18.08		21	11	84	.05	4	.6	.7	A
		8	954	43.09	39	26.57	121	31.84	8.82	1.4	18.68		23	11	104	.09	8	.5	1.2	A
		8	1255	3.29	39	24.60	121	29.99	6.09	1.0	18.20		18	10	100	.08	8	.5	1.2	A
		8	13 8	37.94	39	31.82	121	30.94	8.48	1.0	18.20		17	8	98	.05	3	.6	.9	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	OCT	9	717	18.04	39	24.91	121	29.71	4.93	1.5	18.80		17	0	78	.07	9	.5	1.8	A
		9	720	51.03	39	24.66	121	29.53	3.74	.9	18.08		12	5	110	.05	8	.6	.9	A
		9	11 3	12.78	39	29.03	121	30.19	5.37	1.3	18.56		21	8	81	.09	4	.4	.9	A
		9	1251	56.52	39	24.72	121	29.91	3.63	1.1	18.32		14	6	79	.07	8	.5	2.1	A
		9	1329	26.30	39	29.35	121	30.01	5.86	.9	18.08		14	7	154	.07	7	.8	1.0	A
		9	1718	17.08	39	31.14	121	31.18	9.65	1.0	18.20		20	9	73	.04	4	.7	.8	A
		10	744	17.31	39	27.53	121	28.99	3.15	1.3	18.56		21	9	77	.06	4	.4	1.1	A
		10	744	47.42	39	27.65	121	28.96	3.88	3.8	21.56		15	0	60	.07	5	.5	1.2	A
		10	750	19.61	39	28.05	121	28.71	1.96	1.8	19.16		14	0	57	.06	5	.4	1.7	A
		10	1215	47.37	39	27.09	121	28.86	3.42	1.0	18.20		18	7	65	.04	5	.5	.8	A
		10	1753	25.61	39	27.62	121	28.73	2.06	1.1	18.32		14	8	113	.02	4	.5	1.5	A
		11	1158	41.83	39	23.60	121	29.99	5.00	1.1	18.32		17	9	85	.07	7	.4	1.1	A
		11	1333	50.80	39	23.68	121	30.07	4.80	1.2	18.44		22	11	83	.07	7	.4	1.0	A
		11	2354	58.68	39	31.47	121	31.24	9.50	1.3	18.56		28	11	75	.07	4	.4	.6	A
		12	440	53.40	39	28.15	121	29.05	2.44	1.3	18.56		20	4	76	.09	5	.4	1.3	A
		12	646	39.05	39	25.39	121	28.34	4.43	1.1	18.32		22	9	74	.06	5	.4	.9	A
		12	15 5	34.83	39	30.40	121	31.78	10.33	1.3	18.56		20	4	76	.06	5	.5	.9	A
		12	2324	17.20	39	23.85	121	30.05	5.01	1.3	18.56		22	7	82	.05	7	.4	.9	A
		13	1456	36.83	39	29.62	121	29.70	5.92	3.0	20.60		17	0	57	.05	4	.5	1.1	A
		13	16 6	51.07	39	29.52	121	29.87	6.40	2.9	20.48		17	0	58	.06	4	.5	1.0	A
		13	2130	6.81	39	25.70	121	28.99	5.43	1.8	19.16		17	1	75	.07	6	.5	1.2	A
		14	244	58.02	39	30.26	121	31.53	8.48	1.3	18.56		25	11	82	.07	5	.4	.7	A
		14	453	42.25	39	26.14	121	30.52	6.09	.8	17.96		13	7	171	.07	8	.7	1.1	A
		14	9 1	5.35	39	24.17	121	31.17	6.12	1.3	18.56		32	15	86	.08	6	.4	1.2	A
		14	2132	5.99	39	28.29	121	30.37	5.55	1.4	18.68		24	10	86	.06	5	.4	1.1	A
		15	0 3	22.80	39	28.43	121	31.65	8.48	1.2	18.44		28	14	97	.07	7	.4	.8	A
		15	1133	11.08	39	24.23	121	29.34	2.82	.8	17.96		15	7	91	.04	6	.6	1.4	A
		15	1417	31.04	39	26.85	121	31.70	7.57	1.0	18.20		24	11	102	.07	7	.5	1.0	A
		16	320	48.54	39	23.83	121	29.33	5.30	1.7	19.04		17	3	91	.05	6	.5	1.4	A
		16	911	25.86	39	31.68	121	31.08	10.40	1.3	18.56		22	9	90	.05	3	.5	.7	A
		17	1539	24.52	39	24.55	121	31.14	6.82	1.3	18.56		23	10	89	.08	8	.4	1.1	A
		18	1358	18.40	39	23.70	121	29.71	4.63	1.4	18.68		25	9	88	.06	7	.4	1.0	A
		18	1359	42.09	39	24.66	121	30.94	7.68	1.5	18.80		19	4	74	.06	6	.5	1.2	A
		18	1441	29.48	39	25.50	121	30.20	9.05	.9	18.08		19	7	62	.07	6	.6	.9	A
		18	2321	37.10	39	31.05	121	31.23	9.76	.8	17.96		21	9	71	.05	4	.6	.8	A
		19	048	36.04	39	30.58	121	31.37	7.26	.8	17.96		25	15	111	.06	5	.4	.9	A
		20	1440	.07	39	30.56	121	31.65	10.36	2.4	19.88		17	0	74	.05	5	.6	1.3	A
		20	1522	4.98	39	30.48	121	31.65	9.64	1.2	18.44		23	10	74	.06	5	.5	.8	A
		21	3 5	26.72	39	23.97	121	30.53	3.79	.9	18.08		19	8	82	.07	7	.4	1.2	A
		21	451	47.19	39	24.75	121	30.92	4.83	1.1	18.32		21	11	73	.07	6	.4	1.1	A
		21	1326	24.58	39	24.57	121	31.41	7.47	1.4	18.68		25	11	79	.09	6	.4	1.3	A
		22	0 1	13.27	39	29.11	121	31.77	2.91	.8	17.96		19	10	80	.07	6	.3	1.5	A
		22	029	13.14	39	24.50	121	32.20	11.10	1.2	18.44		23	8	94	.06	7	.7	1.0	A
		22	033	7.02	39	24.51	121	32.25	10.93	.9	18.08		21	10	95	.07	7	.7	.9	A
		22	835	23.47	39	25.42	121	29.90	5.25	.9	18.08		20	10	62	.06	7	.4	.9	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	OCT	22	1123	42.38	39	30.98	121	31.44	8.30	.8	17.96	23	10	70	.06	4	.5	.8	A
		22	1847	46.60	39	30.99	121	31.25	8.53	1.2	18.44	29	14	69	.06	4	.4	.6	A
		23	457	22.88	39	29.70	121	29.18	4.13	1.1	18.32	23	11	98	.06	4	.3	.8	A
		23	517	28.91	39	24.52	121	30.09	5.23	1.2	18.44	21	9	73	.06	7	.4	1.2	A
		23	532	33.38	39	23.81	121	30.16	3.70	1.2	18.44	18	6	82	.06	7	.3	1.4	A
		23	1726	32.22	39	24.30	121	30.09	4.24	1.0	18.20	16	7	76	.06	7	.4	1.8	A
		23	20 7	43.94	39	28.20	121	31.71	9.10	1.7	19.04	24	9	75	.08	5	.5	.8	A
		24	144	37.52	39	25.50	121	28.38	4.39	1.0	18.20	18	10	74	.07	5	.4	1.0	A
		24	1216	10.19	39	24.02	121	30.10	3.62	.8	17.96	15	9	79	.08	7	.3	1.7	A
		24	1548	51.18	39	24.74	121	30.42	4.39	.8	17.96	19	10	71	.07	7	.4	1.2	A
		25	249	50.80	39	24.63	121	27.97	2.89	.9	18.08	14	7	86	.06	5	.5	1.3	A
		25	10 0	24.69	39	30.55	121	29.72	4.38	1.0	18.20	22	10	91	.06	3	.3	.9	A
		25	2314	2.35	39	31.22	121	31.36	9.89	1.2	18.44	27	14	76	.07	4	.5	.7	A
		26	823	19.02	39	24.92	121	30.18	4.12	1.4	18.68	22	9	68	.06	7	.4	1.0	A
		26	1738	22.68	39	29.47	121	29.90	5.46	.8	17.96	23	10	73	.05	4	.4	.9	A
		26	2321	4.73	39	32.00	121	31.31	7.72	.9	18.08	21	10	107	.06	4	.4	.8	A
		27	4 4	29.18	39	24.55	121	32.35	10.64	.9	18.08	18	7	97	.07	7	.6	.9	A
		27	21 2	44.36	39	30.39	121	29.28	4.39	2.9	20.48	12	0	62	.03	4	.5	1.2	A
		27	2112	41.59	39	30.40	121	29.48	3.31	.9	18.08	22	11	98	.06	3	.3	1.1	A
		28	037	1.83	39	23.64	121	30.04	4.64	.9	18.08	18	8	120	.05	7	.5	1.4	A
		28	341	15.63	39	29.59	121	30.12	6.66	3.1	20.72	11	0	61	.03	7	.6	1.8	A
		28	435	2.50	39	29.67	121	30.29	5.13	1.1	18.32	21	9	69	.06	5	.4	1.2	A
		28	513	45.63	39	31.46	121	31.34	10.99	1.8	19.16	11	0	84	.02	4	.7	2.0	A
		29	1157	37.42	39	28.03	121	30.22	4.63	1.3	18.56	23	9	57	.06	5	.4	.8	A
		29	1159	19.44	39	27.98	121	30.27	4.87	1.0	18.20	23	12	85	.07	5	.3	.8	A
		29	1343	55.01	39	25.08	121	29.81	5.56	1.3	18.56	15	3	64	.08	7	.5	1.4	A
		30	14 9	18.45	39	24.29	121	29.99	4.24	1.5	18.80	21	9	77	.07	7	.4	1.4	A
		30	1524	38.20	39	28.63	121	31.42	8.91	1.4	18.68	22	8	109	.07	5	.5	.9	A
		30	1554	15.23	39	27.88	121	28.83	2.35	1.0	18.20	17	8	69	.03	4	.4	1.0	A
		31	118	22.42	39	24.78	121	29.62	6.37	1.8	19.16	27	12	73	.05	5	.5	.7	A
		31	416	25.10	39	28.53	121	31.65	8.17	1.1	18.32	21	8	76	.07	5	.4	.8	A
		31	857	25.90	39	32.00	121	29.17	4.70	.9	18.08	20	10	59	.06	3	.4	.7	A
	NOV	1	246	3.40	39	25.64	121	29.79	2.71	2.2	19.64	14	1	59	.05	7	.5	1.6	A
		1	747	58.99	39	28.46	121	26.44	9.82	1.1	18.32	7	1	131	.07	8	1.7	3.6	B
		1	1629	13.66	39	25.51	121	29.23	3.49	1.1	18.32	11	4	108	.03	8	.6	4.3	B
		1	2046	19.12	39	25.81	121	29.27	3.67	.9	18.08	18	7	63	.06	3	.4	.9	A
		1	2055	2.15	39	23.74	121	30.06	4.55	1.4	18.68	20	8	83	.05	7	.4	.9	A
		2	2054	17.48	39	24.29	121	30.22	4.50	.9	18.08	20	9	76	.07	6	.4	1.0	A
		2	2136	44.89	39	24.27	121	30.21	4.70	1.0	18.20	20	8	76	.06	6	.4	1.0	A
		3	10 0	55.69	39	32.12	121	30.50	6.44	2.1	19.52	20	5	94	.05	3	.4	.7	A
		3	1228	5.29	39	24.36	121	30.02	4.45	1.0	18.20	18	9	75	.06	5	.3	1.1	A
		3	16 3	37.03	39	23.60	121	29.63	5.52	2.6	20.12	16	2	91	.05	6	.5	1.4	A
		3	2317	38.42	39	23.68	121	29.88	5.60	2.7	20.24	16	1	86	.05	7	.5	1.6	A
		4	7 3	32.57	39	29.90	121	29.65	4.23	.7	17.84	18	8	87	.05	4	.4	1.1	A
		4	1459	12.51	39	23.82	121	30.24	3.91	1.2	18.44	20	9	83	.06	6	.3	1.0	A

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	NOV	4	21 4	47.53	39	30.04	121	31.43	6.96	1.6	18.92	23	9	74	.06	5	.4	.7	A
		4	2148	59.50	39	30.03	121	31.59	6.20	1.1	18.32	24	11	76	.07	5	.4	.8	A
		4	23 4	12.10	39	29.19	121	32.83	12.79	1.6	18.92	22	8	99	.06	5	.6	.7	A
		5	537	46.70	39	24.20	121	28.38	5.96	3.3	20.96	17	2	94	.05	6	.5	1.3	A
		5	1930	38.42	39	30.08	121	31.38	6.87	1.6	18.92	24	9	73	.06	6	.4	.8	A
		5	21 3	32.45	39	26.73	121	29.58	3.17	1.1	18.32	22	7	59	.06	6	.4	1.1	A
		5	2318	6.27	39	26.33	121	29.56	2.89	1.3	18.56	13	0	60	.05	6	.5	1.3	A
		6	1159	25.79	39	24.81	121	28.91	2.70	1.4	18.68	15	0	68	.04	5	.5	1.4	A
		7	2358	42.23	39	24.26	121	30.24	4.08	1.9	19.28	25	9	75	.05	4	.4	1.1	A
		8	234	45.54	39	24.22	121	29.66	2.63	.9	18.08	21	13	81	.05	5	.3	1.0	A
		8	444	7.86	39	29.47	121	28.77	3.62	2.0	19.40	22	6	50	.06	4	.3	.7	A
		9	615	46.16	39	24.15	121	29.77	4.19	1.2	18.44	20	8	81	.06	6	.4	1.1	A
		9	11 5	25.98	39	24.31	121	30.16	4.76	1.0	18.20	21	10	75	.07	4	.3	.9	A
		10	0 7	44.30	39	24.37	121	30.08	3.92	1.0	18.20	21	8	75	.06	5	.3	.9	A
		10	436	54.45	39	23.79	121	29.93	4.46	1.8	19.16	18	3	84	.05	4	.4	1.0	A
		10	1659	36.45	39	28.86	121	29.91	4.47	1.4	18.68	25	11	57	.05	4	.4	.8	A
		10	17 0	41.64	39	28.85	121	29.97	4.49	1.3	18.56	25	10	58	.05	3	.4	.8	A
		10	2028	25.50	39	25.65	121	31.80	8.11	1.2	18.44	21	9	77	.07	4	.4	.7	A
		10	2127	1.24	39	27.42	121	29.59	3.24	1.1	18.32	22	12	72	.06	5	.4	.8	A
		11	1715	50.36	39	25.18	121	29.54	7.38	.8	17.96	18	8	57	.06	4	.5	.7	A
		11	2145	52.02	39	30.20	121	31.56	8.76	1.0	18.20	22	9	75	.05	5	.6	1.0	A
		12	1349	26.14	39	30.61	121	31.51	7.91	1.2	18.44	24	11	72	.06	5	.4	.8	A
		13	531	9.71	39	24.38	121	30.99	5.63	1.7	19.04	22	9	79	.06	6	.4	.8	A
		13	1146	2.92	39	27.62	121	29.21	3.08	1.5	18.80	21	7	58	.05	4	.4	1.0	A
		13	2335	53.33	39	24.68	121	29.46	5.55	1.4	18.68	19	8	76	.06	5	.4	.9	A
		14	1620	9.94	39	29.21	121	31.27	3.96	.8	17.96	12	6	140	.03	5	1.3	1.5	A
		15	335	1.61	39	25.04	121	29.42	8.37	4.1	21.92	16	0	63	.05	6	.5	1.4	A
		15	345	18.09	39	25.26	121	29.31	7.50	2.0	19.40	18	3	60	.06	4	.5	.8	A
		15	422	34.34	39	24.98	121	29.39	7.50	1.4	18.68	20	8	65	.05	4	.5	.8	A
		15	728	1.40	39	24.48	121	30.49	4.03	.8	17.96	23	11	70	.07	4	.4	1.0	A
		15	10 8	44.40	39	24.92	121	29.56	7.49	1.1	18.32	21	9	69	.06	4	.5	.8	A
		15	1341	16.71	39	24.40	121	30.92	5.76	1.6	18.92	21	6	72	.06	6	.5	1.1	A
		15	1558	25.62	39	24.41	121	29.94	3.51	1.0	18.20	18	7	76	.08	5	.3	1.0	A
		15	2023	27.53	39	24.44	121	29.96	3.78	1.2	18.44	19	7	75	.07	5	.4	1.0	A
		16	5 0	34.86	39	29.55	121	29.51	5.55	1.2	18.44	15	0	55	.04	4	.4	1.2	A
		16	10 4	27.79	39	26.25	121	32.54	12.09	.9	18.08	21	9	75	.05	5	.6	.7	A
		16	1415	18.85	39	23.14	121	29.64	3.56	1.0	18.20	16	7	97	.07	4	.4	1.1	A
		16	1917	14.27	39	24.34	121	30.96	6.39	2.4	19.88	19	3	73	.05	4	.5	1.1	A
		17	110	9.98	39	30.26	121	32.74	12.30	1.1	18.32	13	0	90	.04	7	.8	2.8	B
		17	1851	28.51	39	29.13	121	29.80	4.93	1.2	18.44	17	4	68	.04	4	.5	1.5	A
		18	847	6.41	39	24.86	121	29.54	7.64	1.2	18.44	18	6	72	.06	4	.5	.7	A
		18	1310	42.88	39	27.70	121	28.66	2.87	2.4	19.88	16	2	62	.05	6	.5	1.2	A
		20	1132	14.16	39	30.31	121	31.69	9.22	1.1	18.32	15	3	76	.04	5	.7	1.2	A
		20	1236	18.71	39	25.32	121	29.41	7.47	1.5	18.80	22	7	60	.05	3	.5	.8	A
		20	1851	38.87	39	24.64	121	29.98	4.77	1.3	18.56	20	9	72	.06	5	.4	.9	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	NOV	20	23 1	58.95	39	25.97	121	29.41	2.20	1.2		18.44	19	7	62	.05	3	.4	.8	A
		21	2355	18.73	39	23.90	121	30.32	3.84	.8		17.96	9	3	82	.05	6	.5	1.9	A
		22	445	19.09	39	24.90	121	28.56	4.19	.9		18.08	26	11	72	.06	4	.4	.8	A
		22	17 4	42.78	39	25.79	121	30.63	4.84	1.1		18.32	15	5	60	.06	4	.4	.8	A
		22	1751	58.75	39	27.55	121	31.92	9.79	1.1		18.32	12	0	80	.04	6	.8	2.0	A
		23	438	38.92	39	25.33	121	29.51	2.82	1.3		18.56	17	6	61	.06	3	.5	1.2	A
		23	732	53.19	39	24.21	121	29.58	5.01	2.1		19.52	14	0	82	.04	6	.5	1.5	A
		23	1627	7.70	39	24.48	121	30.21	5.04	1.1		18.32	19	9	73	.06	5	.4	1.0	A
		23	2142	6.78	39	24.30	121	29.64	5.04	1.6		18.92	14	1	80	.05	6	.5	1.4	A
		24	941	40.03	39	25.29	121	31.59	8.22	1.2		18.44	21	8	77	.07	5	.5	.7	A
		24	1111	19.25	39	24.22	121	31.16	5.65	.9		18.08	19	8	82	.07	6	.4	.9	A
		25	113	28.42	39	25.30	121	31.33	8.67	.9		18.08	15	4	73	.05	5	.5	.8	A
		25	1917	43.86	39	23.97	121	28.67	3.55	1.2		18.44	10	3	236	.04	6	1.1	1.1	A
		25	2134	4.84	39	29.73	121	28.99	3.22	.9		18.08	18	8	92	.05	3	.4	.8	A
		26	12 8	23.99	39	30.38	121	31.69	6.36	1.1		18.32	17	7	75	.09	5	.4	1.1	A
		26	1251	53.00	39	24.26	121	29.83	5.04	2.4		19.88	15	0	79	.05	6	.5	1.4	A
		26	1353	53.44	39	29.95	121	29.44	4.18	1.4		18.68	22	7	55	.06	4	.3	.9	A
		26	1559	23.48	39	29.93	121	29.58	3.98	1.1		18.32	19	6	89	.05	4	.4	1.1	A
		27	319	37.96	39	23.77	121	28.32	3.31	1.1		18.32	17	7	106	.06	6	.5	1.4	A
		27	4 0	.95	39	25.21	121	31.64	8.07	1.0		18.20	18	6	79	.07	5	.5	.7	A
		27	2314	22.30	39	25.45	121	29.75	2.10	.9		18.08	17	6	56	.05	3	.3	1.1	A
		27	2359	20.80	39	25.74	121	31.28	7.21	1.3		18.56	20	5	68	.06	4	.5	.8	A
		28	059	34.75	39	30.79	121	31.21	10.04	1.0		18.20	31	16	68	.06	4	.4	.6	A
		28	528	1.69	39	25.16	121	29.02	5.12	.8		17.96	15	6	66	.06	4	.4	1.0	A
		28	1147	47.09	39	27.60	121	28.53	2.58	1.0		18.20	18	7	65	.06	4	.3	.9	A
		28	1330	33.61	39	30.73	121	31.07	10.07	.9		18.08	33	17	67	.05	4	.5	.6	A
		28	1352	49.04	39	30.78	121	31.27	10.36	.7		17.84	17	5	69	.05	4	.7	.9	A
		29	747	27.87	39	31.45	121	31.23	8.63	.8		17.96	36	21	83	.05	4	.5	.6	A
		29	1418	6.04	39	30.43	121	31.80	9.16	.9		18.08	20	7	76	.04	5	.6	.8	A
		30	1023	20.66	39	31.05	121	29.24	4.95	2.1		19.52	21	6	65	.09	4	.4	.8	A
		30	1032	37.01	39	30.95	121	29.35	4.86	.9		18.08	17	7	99	.05	4	.5	.7	A
	DEC	1	750	29.24	39	27.90	121	29.07	2.56	1.0		18.20	12	2	64	.02	6	.4	1.5	A
		1	1831	36.64	39	28.11	121	29.08	2.67	.7		17.84	12	4	78	.01	4	.6	.9	A
		1	2258	58.96	39	24.29	121	30.37	7.22	.9		18.08	12	4	135	.03	4	.8	.9	A
		1	2326	26.95	39	24.24	121	30.08	3.89	1.3		18.56	23	11	76	.07	4	.4	1.0	A
		2	1253	33.64	39	24.27	121	30.33	7.23	1.0		18.20	12	4	133	.04	4	.6	.8	A
		2	1317	31.48	39	25.33	121	29.36	4.49	.9		18.08	16	6	77	.06	3	.5	.9	A
		2	1812	34.48	39	23.83	121	29.98	4.22	1.0		18.20	11	4	121	.04	4	.6	1.2	A
		3	133	11.79	39	24.06	121	30.32	4.38	1.6		18.92	19	5	76	.07	4	.4	.8	A
		3	450	23.41	39	25.91	121	30.13	3.08	.9		18.08	10	4	148	.04	3	.5	.9	A
		3	623	31.33	39	23.92	121	28.57	4.70	.8		17.96	14	6	99	.07	5	.4	.9	A
		3	712	12.82	39	25.20	121	29.26	8.15	2.7		20.24	16	0	60	.05	6	.5	1.4	A
		3	1013	9.37	39	23.93	121	28.45	3.56	1.2		18.44	16	4	101	.05	6	.5	1.3	A
		3	2359	10.41	39	24.44	121	29.76	3.52	.9		18.08	17	7	77	.08	5	.4	1.3	A
		4	046	9.59	39	24.75	121	29.97	4.77	.9		18.08	20	9	71	.07	5	.4	.9	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	DJ	ERH KM	ERZ KM	Q
1975	DEC	4	1341	5.45	39	24.25	121	30.49	4.31	.8	17.96		19	9	72	.08	4	.3	.8	A
		4	1759	9.55	39	23.78	121	28.84	3.19	1.4	18.68		16	4	99	.05	6	.5	1.3	A
		4	2340	17.62	39	24.12	121	29.74	3.81	1.0	18.20		14	5	82	.05	5	.4	1.2	A
		5	1111	57.97	39	23.78	121	30.12	3.68	.8	17.96		16	5	82	.06	6	.4	1.4	A
		5	1225	42.27	39	24.49	121	28.07	3.17	2.1	19.52		22	7	89	.07	5	.4	.8	A
		5	1624	53.58	39	24.19	121	30.89	6.49	1.3	18.56		25	12	72	.09	4	.4	.8	A
		5	2043	40.51	39	26.51	121	29.39	2.56	.9	18.08		26	15	62	.06	1	.3	.8	A
		5	2059	21.99	39	26.48	121	29.43	2.63	1.0	18.20		22	11	94	.07	4	.3	.8	A
		5	2151	41.45	39	24.41	121	30.63	7.09	1.5	18.80		27	14	69	.09	4	.4	.7	A
		6	14 4	53.58	39	30.46	121	29.15	3.56	1.5	18.80		29	13	63	.08	3	.3	.8	A
		7	6 6	15.01	39	24.77	121	31.59	7.40	.8	17.96		27	15	81	.09	4	.4	.7	A
		7	1342	7.65	39	31.07	121	31.36	8.71	1.2	18.44		30	14	72	.06	4	.5	.7	A
		9	2120	4.21	39	30.47	121	31.76	9.50	1.4	18.68		33	17	76	.07	5	.5	.7	A
		10	3 8	48.04	39	30.52	121	31.51	9.79	3.0	20.60		18	1	73	.05	5	.5	1.2	A
		10	311	46.84	39	30.40	121	31.65	9.31	.8	17.96		32	16	75	.06	5	.4	.5	A
		11	852	32.25	39	27.12	121	30.14	4.36	1.8	19.16		15	1	73	.05	6	.5	1.3	A
		12	132	2.84	39	24.31	121	30.08	5.39	.6	17.72		27	16	76	.08	5	.4	.8	A
		12	1333	14.75	39	32.82	121	29.86	4.57	1.0	18.20		23	10	74	.05	2	.4	.8	A
		13	254	43.21	39	26.47	121	29.57	4.62	2.2	19.64		19	2	60	.05	6	.4	1.1	A
		13	953	22.19	39	25.08	121	31.42	7.69	1.0	18.20		24	10	77	.09	5	.4	.7	A
		13	2140	31.26	39	30.20	121	31.56	9.39	1.3	18.56		33	17	75	.06	5	.5	.6	A
		14	2332	38.32	39	23.73	121	29.98	3.94	.8	17.96		26	14	84	.06	4	.4	1.0	A
		14	2337	53.96	39	30.58	121	31.53	9.21	.7	17.84		25	12	72	.05	5	.5	.6	A
		15	1645	44.02	39	27.94	121	31.91	8.27	.8	17.96		27	15	75	.07	4	.4	.8	A
		15	19 3	33.69	39	24.62	121	30.18	3.75	1.0	18.20		21	10	71	.07	5	.3	1.0	A
		15	1917	31.03	39	28.10	121	29.06	2.41	.8	17.96		17	8	83	.07	2	.4	.9	A
		16	454	50.10	39	30.14	121	31.60	6.36	.9	18.08		24	12	118	.07	5	.4	.8	A
		16	1239	22.68	39	28.04	121	32.78	12.47	.9	18.08		29	16	94	.07	5	.5	.6	A
		17	1139	16.07	39	25.07	121	30.37	6.59	1.0	18.20		20	9	63	.08	4	.4	.7	A
		18	428	48.01	39	30.91	121	31.44	8.60	.7	17.84		29	15	69	.07	4	.5	.7	A
		18	547	15.11	39	26.02	121	28.74	3.46	.7	17.84		21	11	70	.06	2	.3	.8	A
		18	1412	52.83	39	25.09	121	31.78	8.22	1.0	18.20		28	16	83	.10	5	.4	.7	A
		19	115	15.27	39	24.92	121	29.88	4.50	.9	18.08		24	12	69	.06	4	.4	1.0	A
		19	220	46.94	39	31.49	121	31.23	9.07	.9	18.08		27	13	84	.05	4	.5	.7	A
		19	646	49.57	39	27.06	121	31.63	7.86	2.1	19.52		27	11	56	.07	3	.4	.7	A
		20	614	45.33	39	23.97	121	30.15	4.32	1.2	18.44		22	11	79	.06	4	.3	.9	A
		20	738	18.44	39	30.18	121	31.65	9.91	2.0	19.40		23	7	76	.05	5	.5	.8	A
		20	1356	46.53	39	29.11	121	29.84	5.23	.9	18.08		29	15	66	.06	4	.4	.8	A
		21	4 8	4.34	39	24.49	121	28.87	5.15	1.4	18.68		20	6	84	.07	5	.4	.9	A
		22	043	20.13	39	27.96	121	32.65	12.49	1.2	18.44		33	18	90	.07	3	.5	.7	A
		22	2341	15.58	39	27.58	121	28.78	2.14	1.1	18.32		21	12	66	.05	1	.4	.9	A
		23	255	19.52	39	31.41	121	31.26	7.12	1.1	18.32		36	20	82	.08	4	.4	.7	A
		23	7 4	19.99	39	25.96	121	28.55	4.13	1.3	18.56		27	12	73	.06	2	.4	.9	A
		23	8 3	45.75	39	24.51	121	30.14	4.25	.6	17.72		18	10	72	.07	5	.3	.8	A
		23	1627	53.00	39	30.45	121	29.48	5.18	.8	17.96		21	8	99	.05	3	.5	.8	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1975	DEC	24	059	15.44	39	23.17	121	29.74	3.68	.7	17.84		13	7	94	.07	4	.5	1.0	A
		24	1 7	26.51	39	24.68	121	29.41	5.46	1.0	18.20		21	10	76	.07	5	.4	.7	A
		24	122	5.69	39	24.70	121	29.41	5.97	1.4	18.68		26	13	76	.07	5	.4	.7	A
		24	742	10.35	39	31.75	121	31.02	7.73	.7	17.84		24	10	91	.05	3	.5	.5	A
		25	2128	14.73	39	24.53	121	30.23	7.28	.8	17.96		20	9	71	.07	5	.5	.8	A
		26	114	24.33	39	24.33	121	30.86	7.62	2.0	19.40		19	3	71	.05	6	.5	1.4	A
		26	1322	8.03	39	24.81	121	29.91	3.90	1.3	18.56		21	9	70	.07	5	.4	1.0	A
		26	1931	48.73	39	24.70	121	29.76	3.88	1.1	18.32		18	8	73	.06	5	.5	1.0	A
		27	018	6.47	39	31.35	121	31.19	9.56	.8	17.96		23	11	79	.07	4	.6	.9	A
		27	544	49.80	39	24.36	121	30.15	8.04	2.1	19.52		19	3	74	.05	5	.5	1.2	A
		27	720	12.90	39	24.08	121	30.38	4.73	1.0	18.20		24	10	75	.06	4	.4	.9	A
		28	3 6	39.16	39	25.36	121	30.12	3.71	.9	18.08		24	12	58	.07	4	.4	.9	A
		28	1234	45.83	39	24.80	121	29.85	3.80	.8	17.96		24	13	71	.08	5	.3	1.1	A
		29	1212	56.39	39	24.93	121	30.12	3.66	1.4	18.68		23	11	67	.07	4	.3	.8	A
		30	329	4.58	39	31.66	121	31.31	8.11	.7	17.84		30	16	92	.08	3	.4	.7	A
1976	JAN	1	1858	39.07	39	24.88	121	29.63	4.97	2.2	19.64		17	2	71	.05	6	.4	1.3	A
		1	2123	54.00	39	27.64	121	28.65	2.38	.7	17.84		14	6	75	.02	4	.5	1.1	A
		2	522	59.59	39	24.56	121	29.33	3.37	1.2	18.44		23	11	79	.06	5	.4	.8	A
		2	1022	9.45	39	27.24	121	28.81	3.87	1.2	18.44		24	9	65	.06	4	.4	.9	A
		2	1030	13.93	39	24.18	121	30.12	3.91	.9	18.08		22	11	77	.07	4	.4	.9	A
		3	917	23.41	39	25.12	121	29.89	4.70	.8	17.96		24	12	61	.07	4	.4	.8	A
		3	1435	38.97	39	25.48	121	31.59	8.79	2.1	19.52		24	8	75	.05	5	.5	1.0	A
		4	1048	32.35	39	24.55	121	28.98	3.55	1.2	18.44		26	11	82	.06	5	.3	.8	A
		4	1541	37.59	39	30.16	121	32.17	9.99	1.6	18.92		26	10	83	.06	6	.5	.7	A
		4	1550	4.30	39	30.24	121	32.03	10.13	1.2	18.44		30	15	80	.05	5	.5	.5	A
		5	825	16.31	39	23.82	121	28.46	3.12	.8	17.96		17	7	103	.06	5	.4	.9	A
		5	15 9	26.17	39	25.37	121	31.49	7.44	1.0	18.20		32	16	75	.08	5	.4	.6	A
		5	1840	46.28	39	25.32	121	29.68	4.31	1.3	18.56		24	12	56	.07	4	.3	.7	A
		5	1926	22.16	39	23.35	121	30.03	3.32	1.1	18.32		22	11	88	.06	4	.4	1.3	A
		6	13 8	32.28	39	24.65	121	27.75	3.38	.8	17.96		19	9	86	.06	5	.4	1.1	A
		7	1544	10.41	39	27.88	121	30.40	4.60	.9	18.08		28	15	56	.08	2	.3	.7	A
		8	2158	37.95	39	25.55	121	29.63	4.59	1.2	18.44		26	13	58	.07	3	.4	.6	A
		9	057	26.03	39	24.96	121	30.95	4.03	.8	17.96		23	12	70	.06	5	.3	.7	A
		9	921	58.16	39	24.25	121	29.86	5.03	1.0	18.20		22	9	78	.06	5	.4	.6	A
		9	1143	23.77	39	28.12	121	28.94	2.07	1.1	18.32		26	10	55	.09	2	.3	1.0	A
		9	1754	25.65	39	29.62	121	29.58	5.46	2.1	19.52		26	10	56	.06	4	.4	.8	A
		10	336	21.11	39	23.99	121	30.41	3.83	.8	17.96		18	10	76	.07	4	.4	.9	A
		10	1546	44.32	39	23.04	121	29.78	3.58	.9	18.08		19	10	95	.06	4	.4	1.2	A
		12	541	1.35	39	23.21	121	29.29	3.61	1.1	18.32		16	7	102	.07	5	.4	1.0	A
		12	838	19.97	39	24.12	121	29.13	2.63	.9	18.08		18	9	88	.06	6	.4	1.3	A
		12	13 7	46.76	39	24.29	121	29.75	4.24	1.0	18.20		21	9	79	.07	5	.4	.9	A
		13	317	35.42	39	24.68	121	27.88	3.46	1.2	18.44		19	7	85	.06	5	.4	1.1	A
		13	2054	43.19	39	25.47	121	30.01	4.11	.9	18.08		27	15	56	.07	3	.3	.8	A
		13	2216	51.04	39	24.97	121	29.86	4.52	.9	18.08		22	12	68	.05	4	.4	.7	A
		14	353	22.63	39	29.84	121	28.85	3.08	1.0	18.20		23	10	98	.05	3	.4	1.0	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	ID3	ERH KM	ERZ KM	Q
1976	JAN	14	1412	47.59	39	24.43	121	28.08	4.26	1.0	18.20	27	13	91	.07	4	.4	.6	A
		15	2041	17.54	39	24.70	121	30.76	4.12	.9	18.08	24	12	69	.07	4	.3	.8	A
		16	057	45.67	39	24.47	121	30.46	4.10	1.0	18.20	26	14	70	.07	4	.3	.8	A
		16	454	8.21	39	24.55	121	30.54	3.90	1.1	18.32	25	13	69	.06	4	.3	.7	A
		16	12 2	49.02	39	24.24	121	30.09	3.86	.8	17.96	20	10	76	.05	4	.4	.8	A
		16	21 5	23.39	39	23.21	121	29.13	4.22	1.5	18.80	23	10	105	.08	5	.4	.9	A
		16	2331	44.96	39	31.79	121	28.44	3.84	1.5	18.80	27	11	75	.09	3	.3	.8	A
		17	515	24.88	39	25.68	121	31.80	7.96	.7	17.84	24	12	76	.07	5	.4	.7	A
		17	715	19.76	39	25.05	121	28.27	4.38	2.9	20.48	16	0	74	.06	5	.5	1.2	A
		17	9 5	.16	39	25.10	121	28.42	3.96	.8	17.96	28	14	73	.06	4	.3	.9	A
		17	1232	48.11	39	24.13	121	30.10	4.75	1.0	18.20	22	10	78	.06	4	.4	.8	A
		18	037	22.91	39	25.00	121	28.31	5.15	3.1	20.72	17	1	76	.05	5	.5	1.2	A
		19	1446	47.58	39	24.83	121	30.60	4.03	.8	17.96	26	12	67	.08	5	.3	1.1	A
		19	1516	12.13	39	24.91	121	29.88	4.65	1.0	18.20	20	10	125	.04	4	.4	.8	A
		19	1534	4.67	39	25.04	121	29.82	4.67	.8	17.96	21	13	71	.06	4	.3	.7	A
		20	558	24.68	39	25.94	121	28.49	3.99	1.0	18.20	30	14	74	.08	3	.3	.7	A
		21	657	45.97	39	25.19	121	31.51	7.46	.6	17.72	25	11	77	.06	5	.5	.7	A
		22	745	.98	39	25.50	121	30.22	3.76	1.1	18.32	23	10	58	.07	3	.3	.8	A
		22	816	41.54	39	25.45	121	30.22	4.13	1.5	18.80	24	10	59	.07	4	.4	1.0	A
		22	817	27.87	39	25.45	121	30.24	4.18	1.2	18.44	25	13	59	.06	4	.3	.8	A
		22	1157	37.56	39	26.92	121	28.80	2.68	1.3	18.56	30	14	67	.08	5	.3	1.0	A
		23	1212	33.64	39	25.42	121	30.27	4.32	1.1	18.32	25	13	77	.07	4	.3	.7	A
		23	1313	18.53	39	24.21	121	29.83	4.24	1.7	19.04	20	7	79	.05	5	.4	.9	A
		25	331	21.83	39	24.66	121	29.02	2.64	1.2	18.44	24	12	79	.06	5	.4	.8	A
		25	8 1	21.71	39	27.10	121	30.34	3.90	.6	17.72	30	16	47	.06	2	.3	.6	A
		26	056	8.94	39	30.29	121	31.74	9.09	1.0	18.20	34	18	76	.06	5	.5	.6	A
		26	2 1	42.37	39	24.99	121	27.99	4.14	2.7	20.24	20	4	77	.06	4	.5	1.0	A
		26	755	3.55	39	24.18	121	30.78	2.68	1.3	18.56	28	16	70	.08	4	.3	1.0	A
		26	1940	.65	39	25.02	121	28.03	3.49	3.1	20.72	18	2	76	.06	4	.4	1.2	A
		26	21 8	13.82	39	25.95	121	28.52	4.23	1.4	18.68	30	14	74	.07	2	.4	.8	A
		26	2258	35.56	39	25.57	121	30.12	9.18	.8	17.96	19	11	80	.07	3	.6	.7	A
		27	217	16.27	39	25.42	121	28.18	4.33	.8	17.96	16	9	82	.05	4	.5	1.1	A
		27	1850	2.69	39	24.55	121	27.71	3.24	.9	18.08	15	8	89	.07	4	.4	1.3	A
		27	2137	51.97	39	24.50	121	27.90	3.39	1.3	18.56	15	6	90	.06	4	.5	1.2	A
		28	352	19.20	39	23.71	121	30.37	4.56	2.5	20.00	20	4	79	.06	7	.5	1.5	A
		28	856	4.47	39	27.27	121	29.68	4.29	.8	17.96	23	13	82	.06	5	.4	.6	A
		28	20 2	54.39	39	30.23	121	31.48	7.32	.9	18.08	28	15	74	.11	6	.3	.7	A
		28	2341	34.82	39	23.63	121	30.42	5.58	2.2	19.64	20	4	81	.08	7	.5	1.2	A
		29	315	24.84	39	24.06	121	30.95	4.54	1.3	18.56	30	16	73	.06	4	.3	.7	A
		29	358	44.17	39	24.39	121	30.63	4.11	.7	17.84	22	12	70	.09	4	.3	.8	A
		29	449	23.63	39	24.10	121	29.18	5.80	.9	18.08	19	9	88	.08	5	.4	.8	A
		29	1223	9.78	39	25.93	121	29.24	5.15	1.1	18.32	30	15	64	.08	2	.4	.6	A
		30	325	26.95	39	31.06	121	31.33	9.66	1.0	18.20	34	20	72	.06	4	.4	.7	A
		30	6 0	6.43	39	27.24	121	30.25	4.16	1.1	18.32	35	19	48	.06	2	.3	.6	A
		30	815	32.69	39	24.78	121	28.73	2.93	.8	17.96	24	12	62	.07	5	.3	.9	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1976	JAN	31	2344	5.68	39	30.91	121	31.39	9.69	.9		18.08	37	22	69	.06	4	.4	.5	A
	FEB	1	015	31.68	39	26.08	121	28.86	2.87	.9		18.08	32	18	69	.05	2	.3	.6	A
		1	836	20.50	39	23.92	121	30.24	4.75	1.0		18.20	25	15	79	.07	4	.4	.9	A
		1	18 7	56.58	39	30.71	121	31.88	8.81	2.4		19.88	22	8	75	.17	5	.5	.8	A
		2	1911	57.71	39	24.07	121	29.82	5.03	2.0		19.40	31	15	81	.07	5	.3	.7	A
		2	2143	58.18	39	24.08	121	30.03	5.08	1.7		19.04	30	15	79	.07	4	.3	.6	A
		4	624	24.25	39	27.99	121	28.79	1.98	1.0		18.20	27	13	79	.09	3	.3	1.4	A
		5	811	53.98	39	24.02	121	30.49	4.33	.7		17.84	18	11	75	.08	4	.3	.9	A
		5	1257	46.80	39	31.89	121	31.67	9.70	1.1		18.32	33	19	105	.08	3	.4	.6	A
		6	945	17.85	39	29.65	121	29.75	4.32	.9		18.08	35	21	80	.07	4	.3	.6	A
		7	1246	25.98	39	30.30	121	31.46	9.51	.8		17.96	32	19	73	.06	5	.4	.6	A
		9	139	12.90	39	27.69	121	28.51	2.59	.9		18.08	25	13	100	.04	4	.4	1.2	A
		9	956	47.71	39	29.16	121	30.16	5.08	1.4		18.68	27	13	60	.07	4	.3	.8	A
		9	10 9	33.36	39	29.16	121	30.15	5.28	1.1		18.32	31	17	60	.07	4	.3	.7	A
		9	11 6	46.28	39	29.13	121	30.06	5.21	2.0		19.40	28	13	59	.06	4	.3	.7	A
		9	1333	5.26	39	30.29	121	31.48	10.01	2.8		20.36	20	4	73	.07	6	.4	.7	A
		9	1342	38.80	39	29.67	121	28.20	2.90	1.1		18.32	32	17	63	.09	4	.3	.6	A
		9	1357	48.73	39	30.28	121	31.58	9.74	1.7		19.04	32	17	75	.08	5	.4	.5	A
		9	2215	13.79	39	26.02	121	31.10	5.95	1.3		18.56	27	15	72	.07	3	.4	.6	A
		10	426	45.98	39	25.02	121	30.54	3.99	1.1		18.32	25	15	65	.08	4	.4	.9	A
		10	747	51.77	39	24.37	121	29.02	3.02	.7		17.84	15	9	134	.06	5	.5	1.3	A
		10	934	16.91	39	24.86	121	30.44	4.41	.8		17.96	32	19	71	.07	5	.3	.7	A
		10	1445	20.86	39	28.02	121	28.32	1.37	.8		17.96	16	10	132	.06	2	.4	2.6	B
		10	2052	5.83	39	24.88	121	28.29	4.43	1.0		18.20	29	15	147	.05	4	.5	.5	A
		12	1226	16.35	39	25.59	121	30.08	5.11	.9		18.08	26	14	56	.06	3	.3	.6	A
		14	636	27.33	39	24.18	121	28.99	5.64	1.1		18.32	32	18	89	.07	5	.4	.8	A
		14	818	39.78	39	31.70	121	31.52	9.07	.9		18.08	38	22	79	.06	4	.3	.4	A
		14	1456	27.44	39	24.99	121	29.81	4.34	.8		17.96	30	18	66	.07	4	.3	.6	A
		15	327	4.36	39	24.34	121	30.11	3.65	.8		17.96	22	15	131	.07	5	.3	.7	A
		15	820	10.74	39	24.88	121	27.94	3.52	.8		17.96	23	14	79	.09	4	.4	1.1	A
		15	2013	59.05	39	24.93	121	28.15	2.56	.7		17.84	27	15	78	.06	4	.3	1.1	A
		16	115	26.44	39	24.71	121	28.90	2.11	1.0		18.20	25	13	79	.08	5	.3	1.1	A
		16	118	3.91	39	24.81	121	28.92	2.21	.8		17.96	23	13	70	.07	4	.3	1.0	A
		17	2130	34.90	39	31.04	121	32.19	8.77	.8		17.96	23	13	127	.16	4	.6	.7	A
		18	233	3.25	39	23.38	121	29.86	3.32	.9		18.08	18	10	90	.05	4	.3	.8	A
		18	1756	46.01	39	24.53	121	31.04	6.57	.9		18.08	36	20	74	.08	4	.3	.5	A
		19	10 3	9.49	39	30.32	121	31.45	7.91	1.1		18.32	35	19	73	.10	5	.4	.5	A
		19	1214	44.63	39	27.15	121	30.25	3.79	.8		17.96	35	21	47	.09	2	.2	.5	A
		20	530	23.73	39	23.48	121	30.12	3.58	.8		17.96	23	15	85	.04	4	.4	1.0	A
		20	530	35.09	39	27.24	121	30.41	3.84	.8		17.96	32	21	77	.08	2	.2	.5	A
		22	1738	35.13	39	27.24	121	30.35	3.65	.9		18.08	34	22	76	.08	2	.2	.5	A
		23	959	33.09	39	29.14	121	30.03	5.11	1.4		18.68	35	19	59	.08	4	.3	.5	A
		23	10 1	9.42	39	29.07	121	30.06	5.12	.8		17.96	29	18	90	.06	4	.3	.7	A
		23	10 2	48.83	39	29.18	121	30.00	4.70	.9		18.08	29	14	59	.07	4	.3	.6	A
		25	17 5	3.79	39	24.75	121	30.09	3.21	.8		17.96	27	16	70	.08	5	.2	.8	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1976	FEB	25	18 3	38.37	39	29.04	121	27.97	1.67	1.1	18.32		21	8	59	.05	4	.3	2.2	A
		25	2334	16.53	39	24.71	121	30.14	3.55	1.2	18.44		25	14	70	.07	5	.3	.9	A
		25	2340	1.68	39	24.78	121	30.11	3.46	.8	17.96		28	16	69	.07	5	.3	.8	A
		26	741	4.93	39	27.01	121	31.81	8.16	.8	17.96		32	19	97	.06	4	.3	.5	A
		26	1611	14.75	39	24.73	121	30.43	3.98	1.0	18.20		26	16	71	.07	5	.3	.7	A
		27	540	23.72	39	30.09	121	31.59	6.27	.5	17.60		20	12	118	.05	6	.5	1.1	A
		27	1645	.66	39	30.55	121	31.72	7.79	1.0	18.20		32	17	75	.08	5	.3	.5	A
		28	9 1	9.09	39	24.95	121	29.99	3.91	.9	18.08		24	13	68	.06	4	.3	.7	A
		29	533	33.10	39	28.07	121	30.82	4.76	.6	17.72		17	11	101	.05	3	.4	1.1	A
		29	1053	14.69	39	30.68	121	31.49	7.84	.6	17.72		20	11	113	.05	5	.6	.8	A
	MAR	2	159	28.00	39	24.48	121	31.12	6.75	1.2	18.44		27	13	75	.09	4	.3	.7	A
		4	615	38.54	39	24.46	121	30.53	4.06	.8	17.96		25	15	70	.08	4	.3	.7	A
		4	810	7.50	39	24.50	121	31.74	4.94	1.2	18.44		31	18	85	.08	5	.3	.6	A
		4	952	23.58	39	27.55	121	28.14	1.47	.8	17.96		18	9	70	.02	2	.4	1.2	A
		5	850	32.76	39	25.86	121	29.85	4.23	.9	18.08		30	15	57	.06	3	.3	.6	A
		6	12 6	30.24	39	26.92	121	29.89	3.93	1.5	18.80		33	16	55	.07	5	.4	.6	A
		8	2251	34.96	39	25.32	121	29.84	2.90	1.0	18.20		20	8	71	.06	4	.4	1.0	A
		10	12 7	47.43	39	24.39	121	28.88	3.46	1.0	18.20		22	9	85	.05	5	.4	.7	A
		12	538	26.44	39	28.90	121	30.26	4.21	1.2	18.44		26	12	61	.08	6	.3	1.0	A
		12	549	21.22	39	27.17	121	30.13	4.06	.8	17.96		24	16	92	.08	1	.3	.5	A
		13	0 7	40.58	39	18.82	121	42.46	1.22	.8	17.96		38	21	2955	.71	16	.9	51.7	D
		14	9 8	5.27	39	30.80	121	31.11	9.72	1.0	18.20		32	17	67	.05	4	.4	.5	A
		14	2338	9.51	39	25.80	121	29.67	4.71	1.0	18.20		25	14	58	.08	3	.3	.5	A
		15	652	31.61	39	28.05	121	28.76	1.15	2.0	19.40		16	3	57	.05	6	.4	25.5	D
		15	714	18.93	39	23.90	121	31.00	8.90	2.7	20.24		20	2	73	.06	7	.6	1.2	A
		15	716	32.78	39	24.15	121	30.89	7.48	.9	18.08		25	15	134	.07	4	.4	.8	A
		17	2326	42.88	39	24.21	121	30.80	6.18	.9	18.08		27	16	71	.07	4	.4	.6	A
		18	133	44.40	39	24.03	121	30.06	3.84	.8	17.96		21	12	79	.05	4	.3	.6	A
		19	214	55.95	39	32.54	121	30.39	6.79	1.6	18.92		32	14	77	.07	3	.4	.4	A
		19	12 9	37.77	39	24.98	121	29.81	3.92	.9	18.08		22	12	67	.06	4	.3	.7	A
		20	1157	13.61	39	26.36	121	30.22	3.23	.7	17.84		19	11	124	.07	2	.3	.6	A
		20	12 9	41.79	39	24.25	121	28.60	4.45	2.0	19.40		24	8	91	.07	6	.4	1.1	A
		20	2314	39.28	39	24.01	121	26.11	8.17	.7	17.84		22	13	127	.04	4	.7	.9	A
		21	14 3	25.69	39	23.30	121	32.97	4.95	1.8	19.16		30	13	95	.08	6	.4	.7	A
		22	259	36.54	39	25.86	121	31.35	8.61	.8	17.96		27	14	67	.10	4	.4	.6	A
		23	1811	48.87	39	24.04	121	31.26	7.53	1.0	18.20		29	18	77	.07	4	.4	.6	A
		23	2048	28.24	39	25.24	121	31.35	8.36	.8	17.96		20	11	74	.07	5	.4	.6	A
		24	1812	41.51	39	25.65	121	31.54	9.05	.9	18.08		20	11	99	.05	4	.4	.5	A
		26	230	28.99	39	23.91	121	30.07	3.96	1.0	18.20		18	8	81	.08	4	.3	.7	A
		27	3 4	37.78	39	25.07	121	30.13	4.13	.7	17.84		21	14	126	.07	4	.3	.7	A
		27	1551	42.40	39	30.13	121	29.47	3.68	1.4	18.68		25	9	55	.06	4	.3	.8	A
		28	815	31.61	39	31.83	121	31.19	10.29	1.0	18.20		25	10	85	.07	3	.4	.5	A
		28	842	5.47	39	30.25	121	31.77	8.62	2.0	19.40		32	14	77	.07	5	.4	.6	A
		28	1315	50.54	39	23.70	121	30.01	3.54	.8	17.96		20	11	84	.07	4	.4	1.1	A
		28	1419	29.88	39	25.11	121	30.05	3.57	.9	18.08		23	13	61	.08	4	.3	.8	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1976	MAR	30	19 3	9.49	39	24.84	121	30.08	7.22	1.0		18.20	29	16	69	.08	5	.3	.5	A
		31	2058	32.02	39	30.32	121	32.04	10.36	1.3		18.56	33	18	80	.07	5	.4	.5	A
	APR	1	23 3	9.13	39	25.16	121	31.06	8.20	.9		18.08	14	3	71	.05	5	.6	2.0	A
		1	23 7	55.21	39	24.21	121	29.15	3.43	1.1		18.32	23	10	86	.09	6	.3	1.2	A
		2	431	9.82	39	25.42	121	30.32	3.91	.8		17.96	22	13	78	.05	4	.3	.7	A
		3	2249	31.99	39	24.67	121	29.83	4.20	1.2		18.44	31	17	73	.07	5	.3	.6	A
		4	18 4	31.49	39	24.82	121	29.28	4.88	1.9		19.28	26	11	75	.06	4	.4	.6	A
		5	941	22.29	39	29.76	121	30.26	6.41	1.1		18.32	24	8	62	.08	5	.4	.7	A
		7	233	47.98	39	26.62	121	30.08	5.40	1.1		18.32	33	20	98	.10	2	.4	.5	A
		8	13 0	25.91	39	28.96	121	30.11	5.75	.8		17.96	28	16	90	.06	4	.4	.6	A
		12	454	30.72	39	29.98	121	29.52	3.92	1.1		18.32	31	16	91	.07	4	.3	.7	A
		12	743	5.46	39	24.86	121	28.17	3.33	1.4		18.68	30	14	79	.08	5	.3	.8	A
		12	1757	21.54	39	24.35	121	30.38	7.04	1.1		18.32	25	12	72	.06	4	.3	.5	A
		13	2115	20.86	39	24.72	121	30.77	4.28	1.0		18.20	35	18	69	.07	4	.3	.5	A
		16	625	29.46	39	25.04	121	29.53	2.95	.9		18.08	21	10	63	.05	4	.3	1.0	A
		16	1711	50.50	39	30.04	121	29.37	4.54	2.4		19.88	22	4	54	.06	3	.4	.8	A
		16	1713	46.65	39	29.93	121	29.74	3.79	.8		17.96	32	18	73	.07	4	.3	.7	A
		16	1721	36.69	39	30.03	121	29.58	3.66	1.3		18.56	31	16	56	.07	4	.3	.8	A
		16	1721	47.48	39	30.03	121	29.64	4.02	1.3		18.56	27	13	89	.09	4	.3	.8	A
		19	1837	43.15	39	24.98	121	30.50	4.13	1.0		18.20	31	18	65	.08	4	.3	.5	A
		24	117	52.52	39	25.22	121	29.64	4.75	.9		18.08	19	11	117	.04	4	.3	.7	A
		25	2 4	43.00	39	24.79	121	29.67	4.53	1.0		18.20	28	15	72	.07	4	.3	.5	A
		26	349	25.04	39	24.35	121	30.97	6.40	1.0		18.20	28	17	79	.08	5	.3	.5	A
		26	20 7	48.36	39	24.55	121	29.27	2.98	.9		18.08	19	9	79	.04	5	.3	.6	A
		27	229	11.96	39	23.60	121	28.72	4.89	.9		18.08	20	12	104	.07	5	.4	.7	A
		27	925	15.73	39	24.43	121	30.07	3.40	1.0		18.20	26	15	74	.07	5	.3	.7	A
		30	7 5	50.78	39	25.64	121	27.62	1.56	.9		18.08	25	13	89	.06	4	.3	1.4	A
		30	2051	39.02	39	25.57	121	29.18	3.40	1.5		18.80	21	6	63	.05	4	.3	1.1	A
	MAY	1	8 8	52.96	39	24.75	121	30.66	4.57	.9		18.08	28	15	68	.07	5	.3	.6	A
		2	0 5	36.06	39	27.91	121	29.11	2.38	.8		17.96	19	10	86	.04	1	.4	.5	A
		4	451	41.61	39	24.02	121	27.96	2.84	.8		17.96	20	11	104	.07	4	.3	.7	A
		4	623	16.11	39	28.25	121	29.53	3.29	.8		17.96	22	13	113	.05	3	.3	.7	A
		4	1153	1.72	39	27.16	121	28.41	2.25	.9		18.08	26	14	71	.09	1	.3	.5	A
		6	1215	30.22	39	25.30	121	29.34	5.51	1.0		18.20	28	16	60	.08	3	.3	.5	A
		7	741	43.34	39	27.94	121	28.80	2.08	2.0		19.40	17	7	79	.04	1	.3	.7	A
		7	13 5	49.25	39	27.85	121	28.89	3.47	.8		17.96	20	10	80	.06	1	.4	.6	A
		7	1348	3.10	39	25.00	121	30.30	3.31	1.4		18.68	21	8	67	.08	4	.3	.8	A
		8	1549	51.61	39	26.95	121	31.96	8.92	.9		18.08	24	13	99	.08	3	.4	.5	A
		11	2 5	32.03	39	30.62	121	29.15	3.29	1.0		18.20	23	11	64	.04	2	.3	.5	A
		11	1120	43.37	39	25.33	121	31.51	8.82	1.0		18.20	22	11	76	.08	4	.4	.6	A
		11	2138	21.41	39	24.65	121	29.06	4.71	1.2		18.44	17	8	79	.04	5	.4	1.0	A
		12	1 7	17.98	39	24.98	121	30.11	3.56	1.3		18.56	27	13	67	.08	4	.3	.6	A
		12	925	30.06	39	25.23	121	29.74	4.55	1.3		18.56	28	16	56	.08	4	.3	.5	A
		12	1429	15.16	39	23.79	121	28.79	2.78	1.2		18.44	17	8	99	.05	6	.4	1.5	A
		15	956	10.04	39	24.93	121	29.41	7.96	1.0		18.20	24	12	67	.06	4	.4	.5	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	DUR MAG	DUR S	MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1976	MAY	15	1536	7.42	39	24.96	121	29.20	4.38	1.7	19.04	24	9	61	.07	4	.3	.7	A
		17	1713	7.86	39	26.77	121	29.23	2.96	1.1	18.32	27	13	63	.09	4	.3	.9	A
		18	946	46.55	39	28.11	121	28.15	1.64	2.3	19.76	22	4	61	.07	5	.3	2.1	A
		19	110	2.97	39	31.12	121	28.52	2.56	1.2	18.44	31	15	72	.06	3	.2	.6	A
		20	3 8	2.97	39	30.02	121	29.72	3.42	.7	17.84	27	16	86	.06	4	.3	.9	A
		20	727	34.17	39	29.64	121	29.93	4.79	1.6	18.92	28	11	59	.08	5	.3	.6	A
		21	1841	42.13	39	25.19	121	30.49	4.12	1.0	18.20	30	18	106	.06	3	.2	.6	A
		23	646	51.81	39	24.60	121	29.22	4.62	.9	18.08	25	14	79	.09	5	.3	.7	A
		24	719	20.11	39	23.59	121	29.90	4.28	.9	18.08	23	11	87	.06	4	.3	.7	A
		24	11 8	17.03	39	24.27	121	27.80	3.83	2.3	19.76	23	6	98	.06	6	.4	.8	A
		24	1359	59.76	39	27.23	121	30.31	3.98	1.1	18.32	32	16	48	.07	2	.2	.5	A
		24	15 9	24.28	39	23.74	121	30.96	3.10	1.2	18.44	24	12	76	.06	4	.3	.7	A
1975	MAY	24	2126	49.76	39	25.90	121	29.80	5.54	1.1	18.32	33	19	57	.08	3	.3	.4	A
1976	MAY	26	355	24.72	39	30.32	121	31.84	9.32	2.2	19.64	31	13	77	.07	5	.4	.5	A
		27	1355	38.60	39	24.04	121	30.12	7.29	1.0	18.20	30	16	78	.07	4	.3	.5	A
		30	051	.08	39	23.90	121	30.13	3.75	.9	18.08	20	11	80	.04	4	.3	.8	A
		30	1826	18.20	39	23.73	121	28.48	3.23	1.0	18.20	24	12	105	.08	5	.3	.7	A
		30	2111	31.11	39	23.72	121	28.43	3.39	1.0	18.20	25	12	106	.08	5	.3	.7	A
		31	236	.47	39	30.68	121	31.29	8.31	1.9	19.28	26	7	69	.07	4	.4	.6	A
		31	355	44.86	39	24.86	121	28.08	2.88	.8	17.96	30	18	79	.09	4	.3	.6	A
		31	530	2.09	39	24.56	121	29.44	5.06	2.1	19.52	19	2	78	.05	5	.4	.8	A
		31	831	42.86	39	30.53	121	31.36	7.85	1.7	19.04	30	11	71	.06	5	.4	.6	A
		31	1135	3.31	39	23.94	121	29.07	5.63	.8	17.96	21	12	93	.04	5	.3	.6	A
	JUN	1	2238	23.05	39	24.15	121	30.02	4.94	1.0	18.20	27	15	78	.04	4	.3	.6	A
		4	014	55.35	39	27.95	121	29.76	3.61	.9	18.08	25	15	78	.06	2	.2	.5	A
		4	2336	14.94	39	24.15	121	29.52	3.93	.9	18.08	22	12	84	.05	5	.2	.7	A
		6	1214	18.53	39	25.18	121	29.40	7.31	1.1	18.32	39	23	58	.08	4	.3	.4	A
		9	720	28.96	39	30.66	121	31.27	2.69	.7	17.84	27	17	100	.06	4	.2	.8	A
		9	853	57.80	39	24.75	121	29.81	4.16	1.0	18.20	29	16	72	.06	5	.3	.6	A
		12	1338	21.24	39	23.93	121	29.14	3.13	1.0	18.20	28	16	92	.06	5	.2	.7	A
		14	637	28.15	39	28.36	121	31.56	8.50	2.1	19.52	30	12	73	.10	4	.4	.5	A
		14	1836	6.08	39	31.47	121	31.53	7.17	1.5	18.80	28	12	73	.10	4	.4	.5	A
		14	2117	35.00	39	23.64	121	30.10	3.84	1.0	18.20	20	9	83	.10	4	.4	1.0	A
		14	2330	26.10	39	28.19	121	31.69	8.95	3.9	21.68	25	0	40	.08	5	.4	.6	A
		14	2351	54.41	39	28.08	121	31.64	8.44	1.2	18.44	33	16	72	.08	4	.3	.4	A
		15	231	17.86	39	24.44	121	29.92	4.74	1.0	18.20	27	15	75	.07	5	.2	.5	A
		15	342	25.09	39	24.65	121	29.10	2.08	.7	17.84	24	13	79	.07	5	.3	1.1	A
		15	357	2.50	39	28.23	121	31.49	8.88	.9	18.08	31	16	71	.07	4	.3	.5	A
		15	1234	45.69	39	28.36	121	31.39	8.89	.8	17.96	29	15	71	.07	4	.3	.5	A
		15	1322	13.22	39	28.70	121	30.30	5.85	1.1	18.32	36	18	60	.07	3	.2	.4	A
		16	034	17.76	39	28.14	121	29.09	2.51	.8	17.96	23	10	79	.05	2	.3	.6	A
		18	556	47.27	39	27.09	121	28.32	2.40	.8	17.96	27	12	73	.05	4	.2	.6	A
		18	23 1	11.31	39	28.13	121	28.99	2.37	1.0	18.20	23	9	59	.06	2	.3	.6	A
		20	525	30.66	39	24.15	121	27.61	2.77	.9	18.08	16	7	103	.07	7	.4	.9	A
		21	1244	4.44	39	23.07	121	30.24	2.58	.6	17.72	19	11	95	.05	4	.3	1.0	A

OROVILLE EARTHQUAKES

YEAR	MON	DA	ORIGIN TIME HRMN	SEC	LAT N DEG	MIN	LON W DEG	MIN	DEPTH KM	MAG	DUR S	DUR MO	NR	NS	GAP DEG	RMS SEC	D3	ERH KM	ERZ KM	Q
1976	JUN	23	1 6	19.57	39	25.74	121	29.24	3.95	.6	17.72		22	13	63	.05	3	.2	.6	A
		23	519	35.81	39	23.10	121	29.26	3.47	.8	17.96		14	7	104	.05	5	.4	.9	A
		23	711	6.90	39	24.36	121	31.09	5.36	1.3	18.56		31	15	75	.06	4	.3	.5	A
		23	1358	13.31	39	29.80	121	25.93	12.33	1.1	18.32		26	10	104	.07	5	.5	.5	A
		23	14 3	7.69	39	29.80	121	25.72	11.63	1.0	18.20		27	11	109	.08	6	.4	.6	A
		24	12 1	19.33	39	23.41	121	30.46	3.05	1.1	18.32		17	8	89	.05	4	.3	1.1	A
		25	821	44.60	39	28.48	121	31.66	9.01	1.0	18.20		30	15	76	.06	4	.3	.5	A
		25	1912	22.20	39	24.92	121	28.40	2.32	2.0	19.40		25	9	77	.04	5	.3	1.1	A
		26	6 3	.36	39	24.20	121	29.80	4.36	1.9	19.28		23	7	80	.07	5	.4	.8	A
		27	1527	4.48	39	23.99	121	30.12	5.38	.8	17.96		27	14	79	.07	4	.3	.6	A
		27	1949	59.62	39	24.76	121	29.60	3.27	.9	18.08		19	9	73	.05	5	.3	.7	A
		28	1 2	2.60	39	25.34	121	29.90	4.30	1.0	18.20		22	10	56	.06	3	.3	.6	A
		29	7 3	58.25	39	31.57	121	31.63	7.81	1.2	18.44		31	15	75	.10	4	.3	.4	A
		29	838	59.20	39	24.48	121	29.79	5.05	1.0	18.20		30	17	76	.07	5	.3	.5	A
		29	1259	42.54	39	24.38	121	29.89	4.80	1.0	18.20		21	10	76	.06	5	.3	.6	A
		30	018	12.37	39	24.58	121	30.55	3.55	1.2	18.44		29	16	68	.06	4	.2	.6	A
	JUL	1	059	54.33	39	30.68	121	29.07	4.59	2.5	20.00		26	7	65	.08	2	.4	.6	A
		6	355	17.49	39	24.32	121	31.00	6.38	4.1	21.92		25	3	67	.09	4	.4	.5	A
		6	417	35.90	39	23.81	121	29.40	4.47	1.4	18.68		28	12	91	.09	5	.3	.6	A
		6	759	33.86	39	24.45	121	31.13	5.47	1.3	18.56		29	14	75	.06	4	.3	.5	A
		6	1654	37.19	39	24.18	121	30.72	5.81	1.3	18.56		28	15	71	.07	4	.3	.5	A
		6	2124	9.34	39	24.51	121	30.99	6.15	1.3	18.56		30	14	73	.07	4	.3	.5	A
		6	2318	23.54	39	24.37	121	29.62	4.00	1.3	18.56		25	12	79	.06	5	.3	.5	A
		7	343	47.98	39	32.62	121	30.27	7.46	1.3	18.56		32	16	104	.06	4	.3	.5	A
		9	530	40.40	39	24.77	121	30.78	5.90	1.0	18.20		30	15	69	.06	4	.3	.5	A
		11	2319	20.14	39	23.80	121	29.86	5.21	2.6	20.12		20	2	85	.07	6	.4	1.3	A
		11	2320	23.88	39	23.95	121	30.28	3.52	1.0	18.20		29	15	78	.08	4	.3	.7	A
		14	3 1	57.30	39	24.55	121	30.70	5.87	1.0	18.20		33	19	69	.07	4	.3	.5	A
		14	3 4	14.73	39	24.55	121	30.68	5.94	.9	18.08		32	20	69	.08	4	.2	.5	A
		14	2118	44.40	39	29.55	121	28.87	1.35	.8	17.96		25	13	74	.06	4	.3	3.9	B
		17	1959	57.01	39	23.96	121	30.04	3.87	1.0	18.20		31	17	80	.07	4	.2	.6	A
		18	1341	6.50	39	23.96	121	30.33	3.46	.9	18.08		28	16	77	.07	4	.3	.7	A
		19	1134	42.71	39	30.59	121	29.29	4.18	.9	18.08		26	15	105	.05	5	.3	.6	A
		19	1836	44.81	39	23.74	121	30.28	3.72	1.2	18.44		28	15	80	.06	4	.3	.6	A
		20	533	9.64	39	23.94	121	29.83	4.12	1.5	18.80		27	12	83	.08	5	.3	.8	A
		20	747	23.81	39	23.84	121	29.53	4.46	1.1	18.32		28	15	88	.07	5	.3	.6	A
		20	2115	40.31	39	24.29	121	29.15	2.92	1.3	18.56		27	12	85	.05	5	.3	.9	A
		20	2122	50.18	39	29.43	121	31.10	3.92	.8	17.96		27	16	80	.06	5	.3	.6	A
		23	1621	15.68	39	30.85	121	31.28	10.25	1.0	18.20		31	14	68	.07	5	.4	.5	A
		24	1226	43.49	39	24.35	121	30.84	6.21	.6	17.72		27	17	75	.07	4	.3	.5	A
		24	1257	2.05	39	28.99	121	30.00	5.49	1.3	18.56		33	15	58	.08	4	.3	.5	A
		24	1258	47.13	39	28.94	121	30.15	5.21	.9	18.08		34	18	60	.06	4	.3	.5	A
		27	349	48.22	39	24.39	121	29.93	4.63	.5	17.60		22	13	76	.05	5	.3	.6	A
		28	1436	56.30	39	27.66	121	28.04	1.02	.5	17.60		21	12	69	.05	3	.3	17.9	D
		28	1437	3.53	39	27.66	121	28.06	1.04	.5	17.60		19	11	69	.06	3	.3	9.0	C
1976	JUL	30	1727	41.44	39	29.17	121	31.61	9.57	1.1	18.32		34	17	78	.08	5	.4	.5	A