

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Data Report, Two Earthquake-Source Refraction Profiles Crossing  
Epicentral Region of the 1983 Coalinga, California Earthquakes

Nan Macgregor-Scott<sup>1</sup> and Alan W. Walter<sup>1</sup>

Open-File Report 85-435

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

1. USGS, Menlo Park, California

1985

## TABLE OF CONTENTS

Introduction.....	1
Description of Survey.....	1
Instrumentation and Data Reduction	
Seismic Recorders.....	4
Data Reduction.....	4
Record Sections.....	6
Acknowledgments.....	7
References.....	8
Appendix A : Seismic Recorder Locations.....	28
Appendix B : Recorder Data Sheets and Tape Grade Codes.....	34

## FIGURES

1. Geologic Map of Study Area.....	2
2. Schematic Diagram of Seismic Recorders.....	5
3. System Response Curve for Recording Units.....	5
4-10 Record Sections - Northwest-Southeast Profile.....	9
11-22 Record Sections - East-West Profile.....	16

## TABLES

1. Aftershock List.....	3
-------------------------	---

## PLATES

1. Deployment Map - Station Location Numbers	
Record Sections - Northwest-Southeast Profile	
1. Aftershock No. 2	
2. Aftershock No. 3,5	
3. Aftershock No. 7	
Record Sections - East-West Profile	
4. Aftershock No. 8	
5. Aftershock No. 15	
6. Aftershock No. 9,19	



## INTRODUCTION

Two days after the May 2, 1983,  $M_S=6.7$  earthquake near Coalinga, CA, the U.S. Geological Survey began a seismic refraction experiment in the area. One objective was to record aftershocks using a dense, linear array of portable seismographs in order to derive a velocity model for the middle to lower crust in this region. Such a model would, in conjunction with the velocity model derived from a parallel survey using explosive sources (Colburn and Walter, 1984), provide further information on the geologic structure of the Coalinga area.

Aftershocks were recorded along two profiles crossing the epicentral region of the main shock (Figure 1 and Plate 1). On May 4 a northwest-southeast trending profile was deployed which extended from the epicentral region along the syncline west of the Kettleman Hills. On May 7 an east-west trending profile was deployed which extended from the interior of the Diablo Range west of Coalinga, across the source region of the aftershocks, and into the San Joaquin Valley near the town of Lemoore, CA. Figure 1 shows the location of these profiles in relation to the local geology. The geologic setting is presented by Wentworth, Zoback and Bartow (1984).

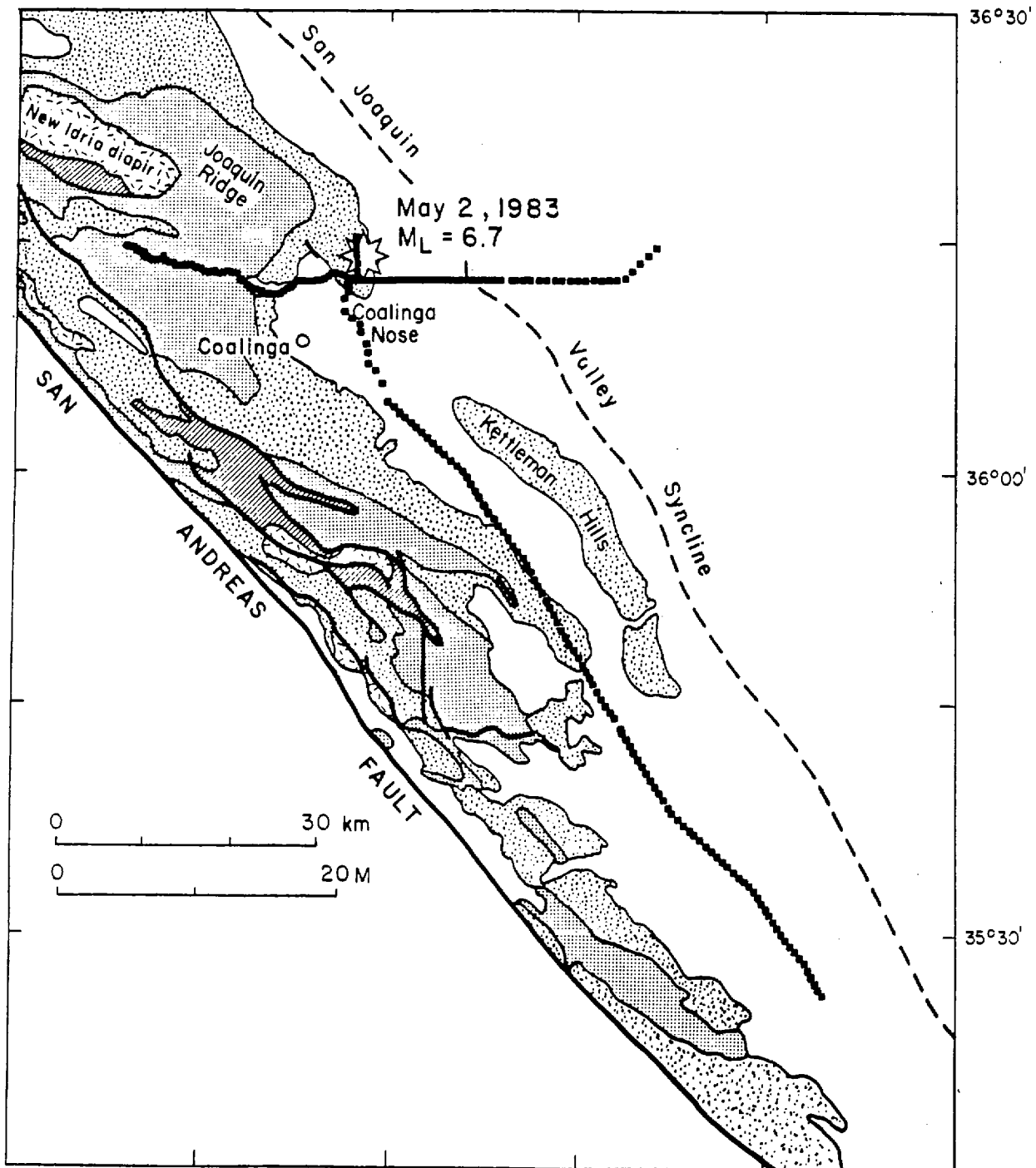
This report is a compilation of the data obtained from the 1983 seismic refraction survey using selected aftershocks. These aftershocks were located with the computer program Hypo 71 (Lee and Lahr, 1975) using J. Eaton's model as modified by Eberhardt-Phillips and Reasenber (1984). An interpretation of this data will be published separately after analysis of the data is completed.

## DESCRIPTION OF SURVEY

The 1983 Coalinga aftershock data supplement seismic refraction data reported by Colburn and Walter (1984) for a survey conducted along roughly the same profiles using explosive sources.

For the NW-SE profile, one-hundred and twenty seismic recorders were deployed at approximately 1 km spacing along a 110 km-long line. Aftershocks 1 through 6 were recorded on this array (Plate 1 and Table 1). For the E-W profile, these same instruments were deployed at approximately .5 km spacing along a 68 km-long line. Aftershocks 8 through 19 were recorded on this array (Plate 1 and Table 1). An additional aftershock recorded on June 30, 1983 along the NW-SE explosion profile (Colburn and Walter, 1984) is included as aftershock No. 7 (Plate 1 and Table 1).

The instruments were programmed to record two thirteen-minute time windows during each deployment. The selected aftershocks were located using hand-timed arrivals at nearby Calnet permanent stations and temporary three-component seismographs, as well as at stations along the profiles. The uncertainty in the resulting hypocenter locations is approximately 1 km (horizontal) and 2 km (vertical) (Eberhart-Phillips and Reasenber, 1984). Table 1 lists the date, time, location, depth and magnitude for each aftershock. Plate 1 shows the epicentral locations. The instrument locations and elevations were determined to an accuracy of 15 m using USGS 1:24,000 topographic maps (Appendix A).











- 120°30'                      120°00'                      119°30'
- 36°30'
- 36°00'
- 35°30'
- Explanation**
-  Quaternary and Pleistocene and (or) Pliocene sediments
  -  Tertiary sedimentary rocks
  -  Mesozoic Great Valley sequence
  -  Mesozoic Franciscan assemblage
  -  Mesozoic ultramafic rocks
  -  Fault
  -  Mainshock Epicenter
  -  Seismic recorder location

Figure 1: Geologic map of the Coalinga, California area.

## COALINGA AFTERSHOCKS

NUMBER	DATE	LATITUDE	LONGITUDE	ORIGIN TIME	DEPTH	MAGNITUDE
1	MAY 4, 1983	36 7.9900	120 15.9300	124 9 6 36.720	7.12	1.75
2	MAY 4, 1983	36 5.5000	120 13.0600	124 9 7 40.480	7.50	2.70
3	MAY 4, 1983	36 11.9800	120 16.8200	124 9 9 13.700	7.62	1.95
4	MAY 4, 1983	36 9.6500	120 19.2100	124 9 9 54.590	5.16	1.47
5	MAY 4, 1983	36 9.4300	120 18.3300	124 9 10 30.270	8.76	2.66
6	MAY 4, 1983	36 7.8100	120 15.1100	124 9 41 7.950	8.51	2.11
7	JUN 30, 1983	36 8.8500	120 17.1400	181 6 45 40.810	8.03	2.60
8	MAY 7, 1983	36 13.2200	120 17.0500	127 6 5 51.690	7.65	1.98
9	MAY 7, 1983	36 12.7400	120 17.5600	127 6 8 13.100	7.07	1.05
10	MAY 7, 1983	36 6.9400	120 15.6100	127 6 11 16.410	1.66	1.24
11	MAY 7, 1983	36 14.5900	120 20.2500	127 6 11 59.330	9.43	1.18
12	MAY 7, 1983	36 9.8500	120 18.4900	127 6 34 26.470	8.18	1.30
13	MAY 7, 1983	36 12.1400	120 16.0200	127 6 37 59.540	5.44	1.48
14	MAY 7, 1983	36 16.5600	120 17.4800	127 6 40 9.990	9.45	0.86
15	MAY 7, 1983	36 14.6000	120 19.8800	127 6 41 39.440	9.86	0.71
16	MAY 7, 1983	36 16.1000	120 17.6900	127 9 6 40.470	6.74	1.18
17	MAY 7, 1983	36 9.4100	120 17.3300	127 9 10 51.060	11.62	0.95
18	MAY 7, 1983	36 16.4600	120 20.2500	127 9 31 44.430	8.85	1.05
19	MAY 7, 1983	36 13.2900	120 15.9400	127 9 33 54.070	7.08	1.07

Table 1: The Aftershock List contains the aftershock number, the origin time (using Greenwich Mean Time), the epicenter location, the hypocenter depth and the aftershock magnitude.

## INSTRUMENTATION AND DATA REDUCTION

### Seismic Recorders

Each instrument (Healy and others, 1982) contains a 2-hz vertical component geophone. The signal from the geophone is sent through three parallel amplifiers, each with an adjustable gain setting. The three amplified seismic signals, a fixed reference frequency, and an internally generated time code are recorded as a frequency modulated, multiplexed signal in analog form on a cassette tape (Figure 2). Each instrument contains a USGS time code generator (clock) with a memory board that can be programmed for up to ten separate recording times. The response curve for the system peaks at about 20 hz (Figure 3). The instruments are powered by two 6-volt rechargeable batteries.

Before each deployment, field technicians program the recording times and synchronize the clock unit of each instrument with a master reference clock. After the instruments are retrieved, the clock drift for each instrument is measured relative to the master clock and recorded on data sheets. The master clock, which drifts approximately 1 millisecond a week, is synchronized to a Rubidium standard reference at the USGS Western Regional Headquarters in Menlo Park, CA. The Rubidium clock, accurate to 10-10 parts per unit time, is periodically set to an averaged WWVB reference signal.

### Data Reduction

Field technicians complete instrument data sheets that include information on instrument location, amplifier gain settings, clock drifts, and instrument performance. This information (Appendix B) is entered into a micro-computer and stored on a floppy disk .

After the instrument and aftershock data are entered into the computer, the analog seismic data recorded on each cassette are digitized using a micro-computer system. For each aftershock, the data are digitized for 20 seconds, starting  $t$  seconds after origin time:

$$t \text{ (start)} = t_{eq} + t_{cd} + t_{min} + x/v_{red}$$

where  $t_{eq}$  is the earthquake origin time  
 $t_{cd}$  is the recorder clock drift at earthquake origin time  
 $t_{min}$  is reduced start time (integer number of seconds)  
 $x$  is earthquake to recorder distance  
 $v_{red}$  is the digitizing reduction velocity

The seismic data are digitized at a sampling rate of 200 samples/sec and are written to floppy disks.

After the seismic data are digitized, the traces are evaluated for data quality. A tape grade code is assigned to each trace (Appendix B). Traces are usually deleted from the record sections where a very large background noise level results in a low signal-to-noise ratio. The final version of digitized data is archived on 9-track magnetic tape.

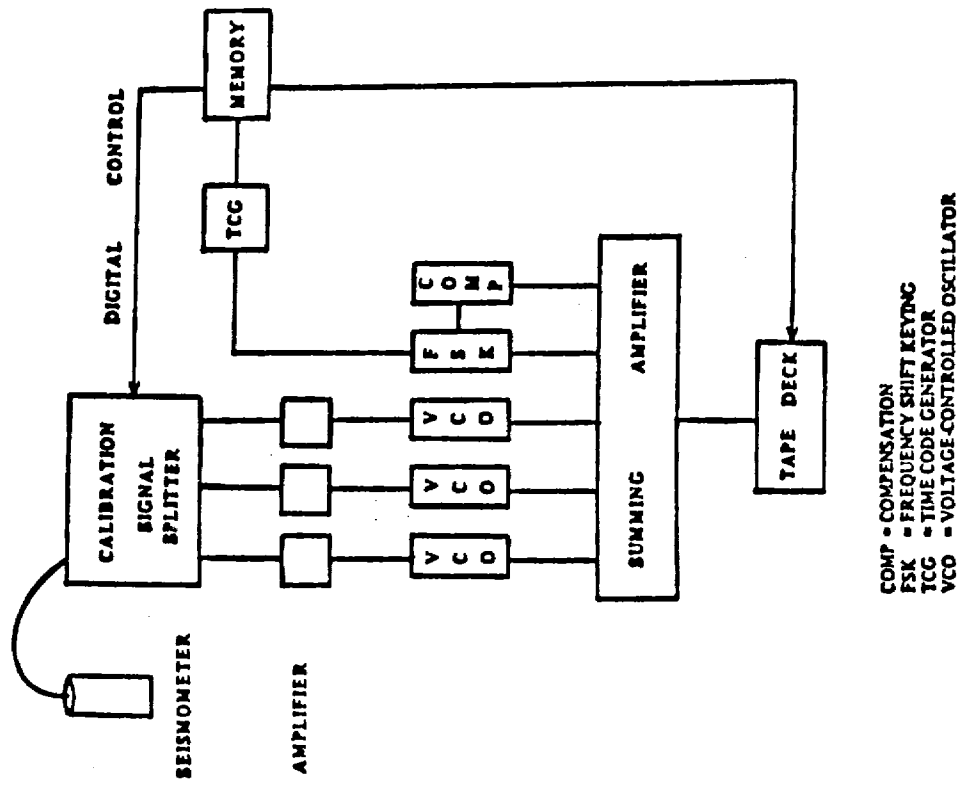


Figure 2. Schematic diagram of seismic recorders

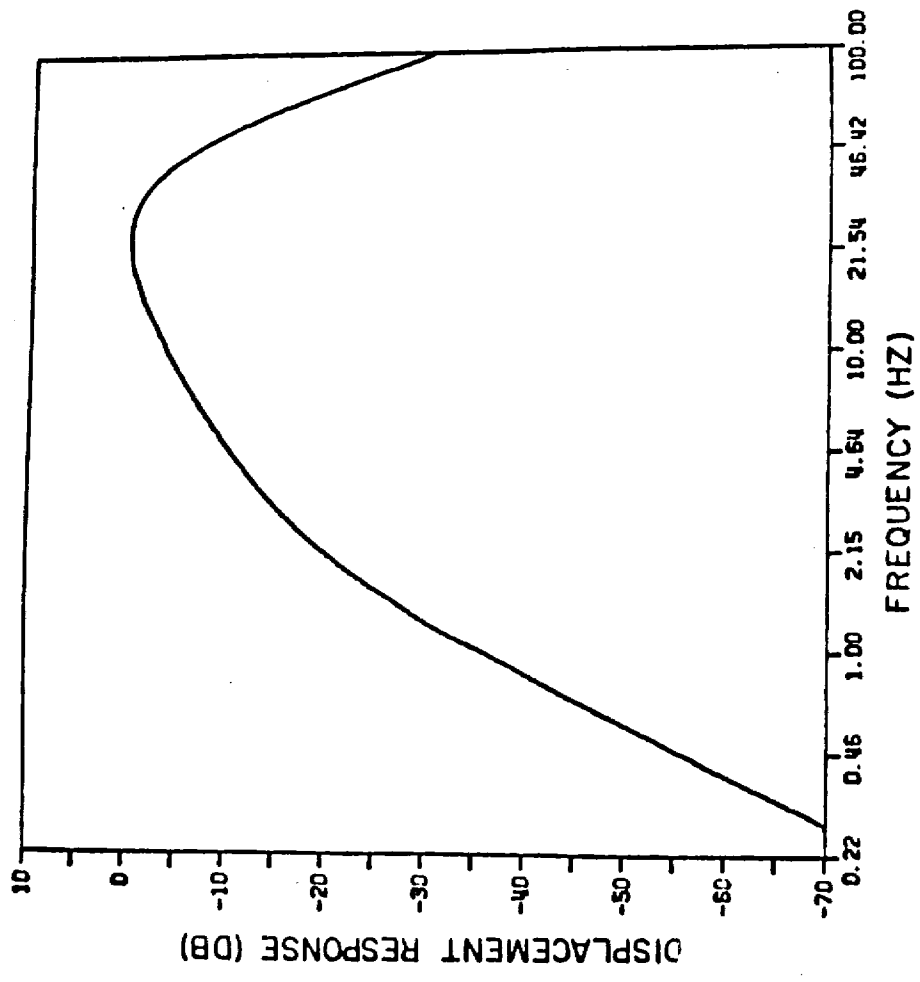


Figure 3. System response curve for cassette recording units with 2 Hz seismometers



## RECORD SECTIONS

The record sections are plotted with the time reduced by a velocity of 6.0 km/sec; i.e. the time shown for each trace is defined as:

$$T - X/6$$

where T is the absolute elapsed time (seconds) from the origin time and X is the aftershock-to-receiver distance (km). Negative distances indicate instrument locations west of the aftershock on the E-W line, and southeast on the NW-SE line. The signal-to-noise ratio of the data is affected by cultural noise at the recorder sites. On the NW-SE profile the arrivals disappeared into the background noise at ranges between 70 and 80 km to the SE, therefore the seismic traces at greater ranges were not plotted on the record sections. All record sections were filtered using a 1-15 hz bandpass filter.

Page-sized normalized record sections for each aftershock are presented on Figures 4-22. Since aftershock No. 7 (Figure 10) occurred near the end of the programmed time window, the seismic traces are plotted as straight lines for the time periods after recording terminated.

For aftershocks 2,7,8, and 15 a normalized and true-amplitude record section are shown on Plates 2,4,5 and 6 respectively. For aftershocks 3,5,9 and 19 normalized record sections are shown on Plates 3 and 7. Each record section is plotted at a scale of 5 mm/km for the distance axis and 25 mm/sec for the time axis. The normalized traces are plotted with a uniform maximum amplitude of 7.5 mm.

For the true-amplitude record sections, the width of each trace represents its relative amplitude after adjustments for instrument gain, and distance from the origin. The true amplitude  $A(t)$  is computed from the observed amplitude  $A_0(t)$  by

$$A(t) = A_0(t)f_a$$

where  $f_a$  is a multiplicative factor adjusting for the instrument amplifier gain.

The multiplication factor for amplification is:

$$f_a = 10(\text{dB}/20)$$

where dB is the gain attenuator setting of the selected channel in decibels for each trace.

Some trace amplitudes were extremely high due to excessive cultural noise, causing these traces to overlap adjacent traces on the true-amplitude record sections. Other trace amplitudes were unrealistically low on the true-amplitude record sections because of a seismic recorder amplifier problem. All of these traces were deleted from the true-amplitude plots but retained for the normalized plots.

ACKNOWLEDGEMENTS

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COALINGA AFTERSHOCK NO. 1 NORMALIZED

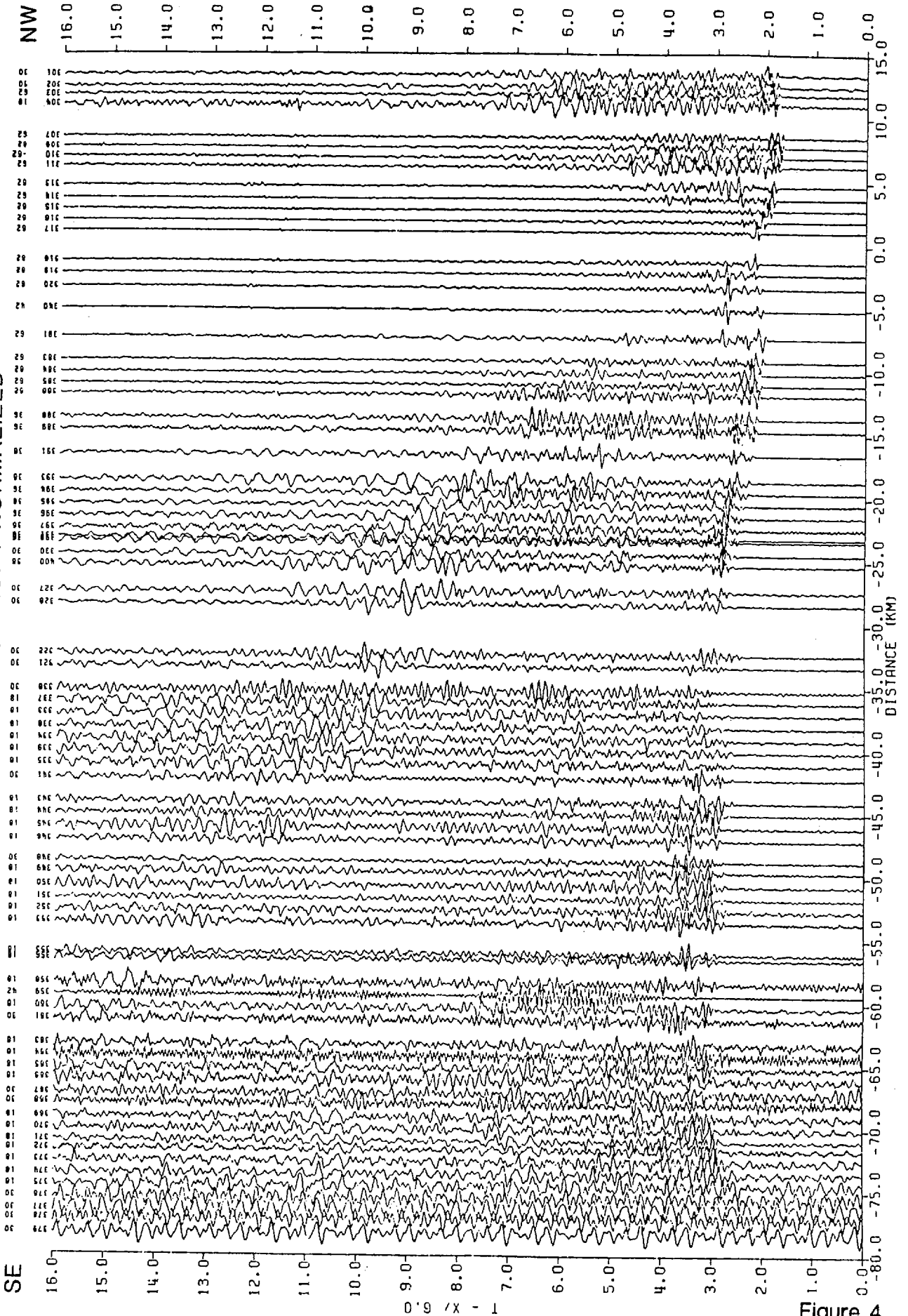


Figure 4

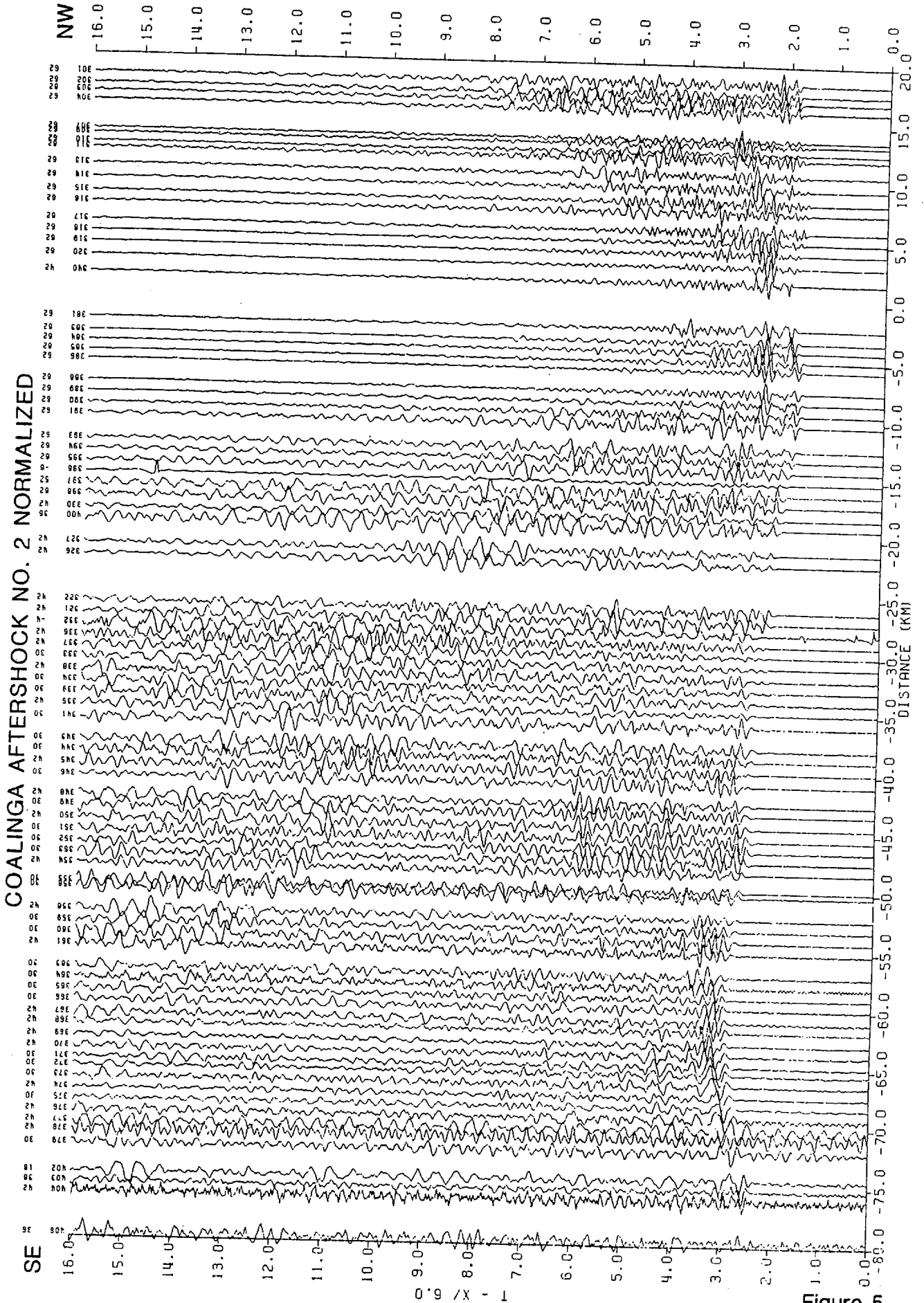


Figure 5

COALINGA AFTERSHOCK NO. 3 NORMALIZED

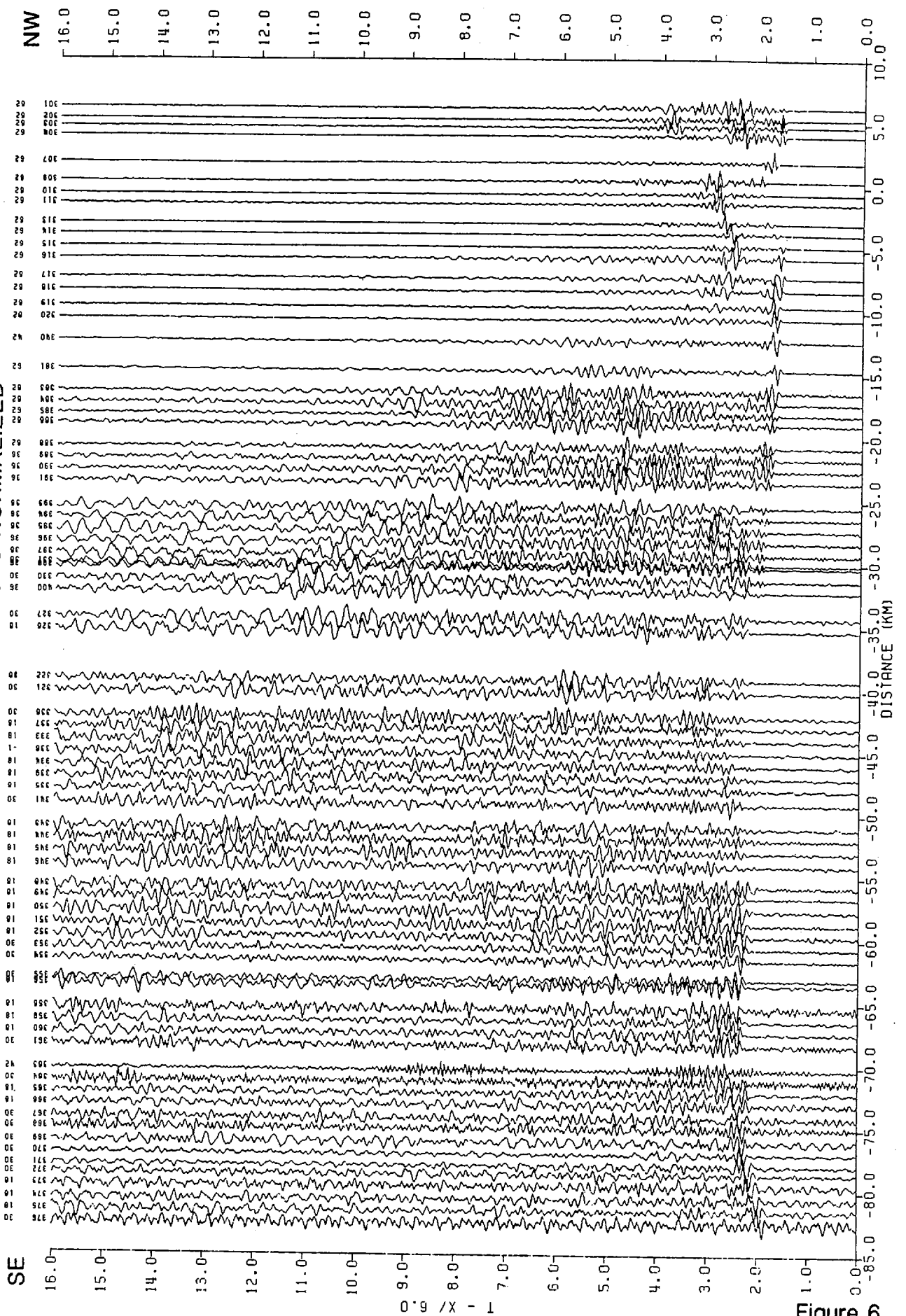


Figure 6

GOALINGA AFTERSHOCK NO. 4 NORMALIZED

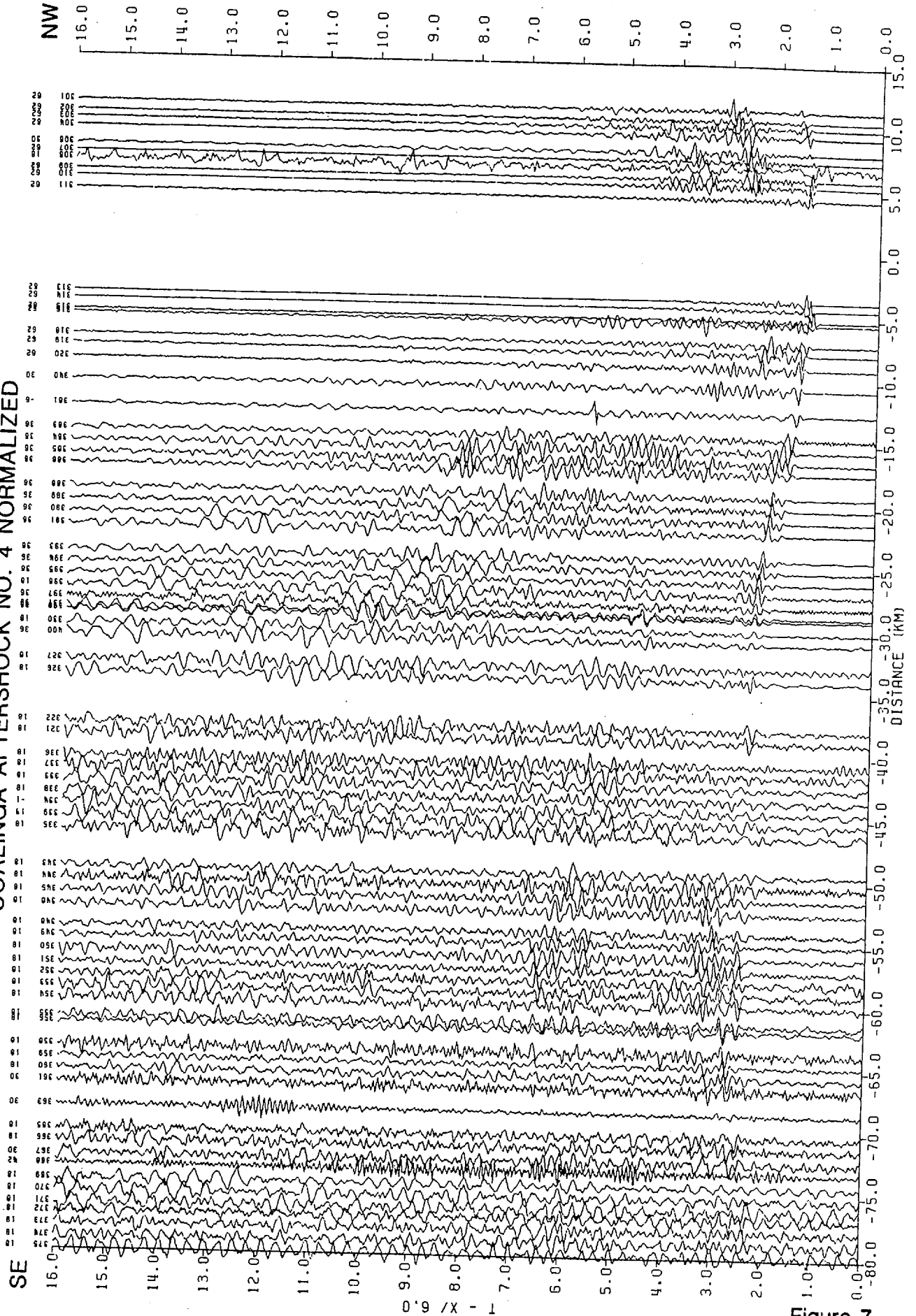


Figure 7

COALINGA AFTERSHOCK NO. 5 NORMALIZED

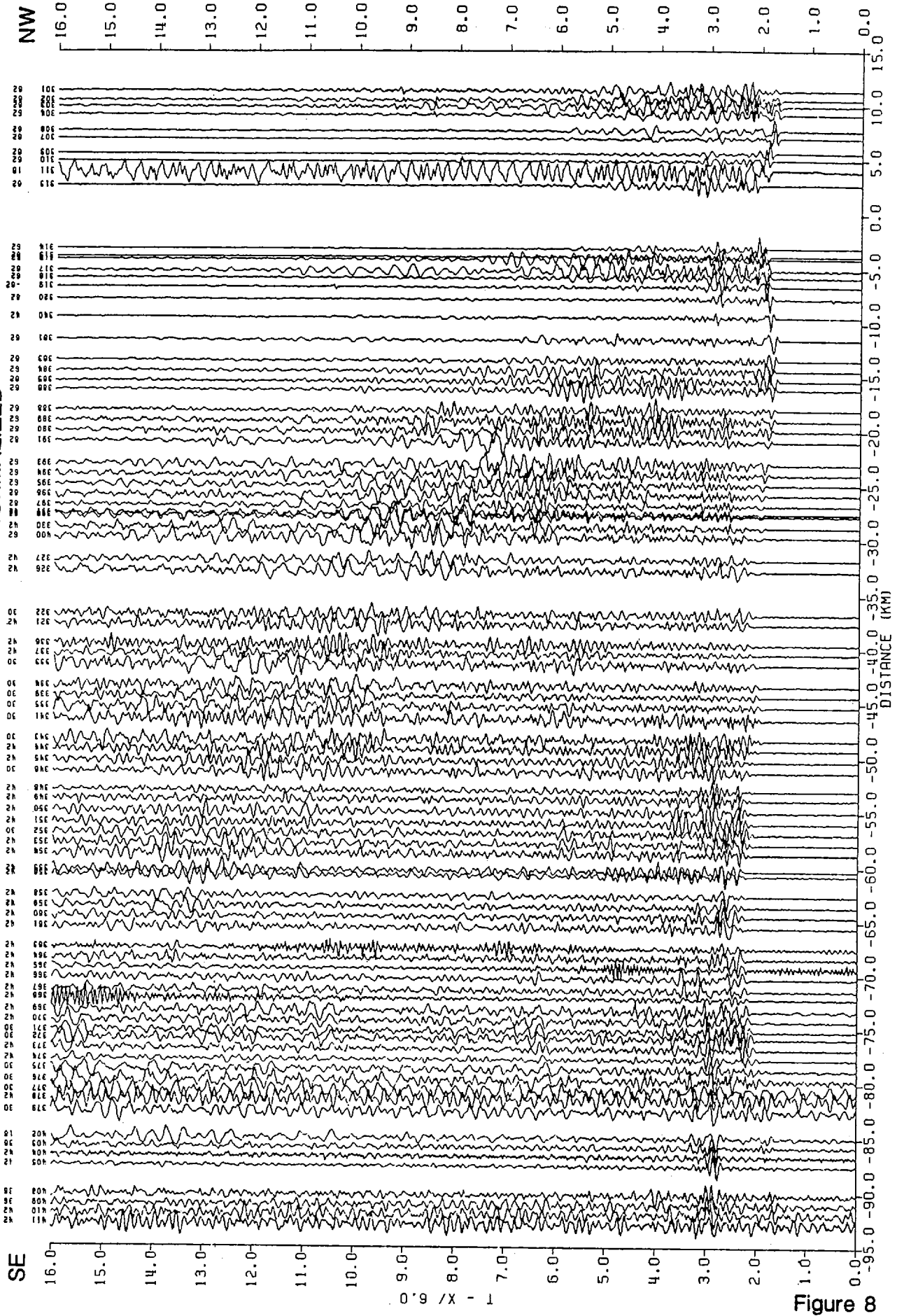
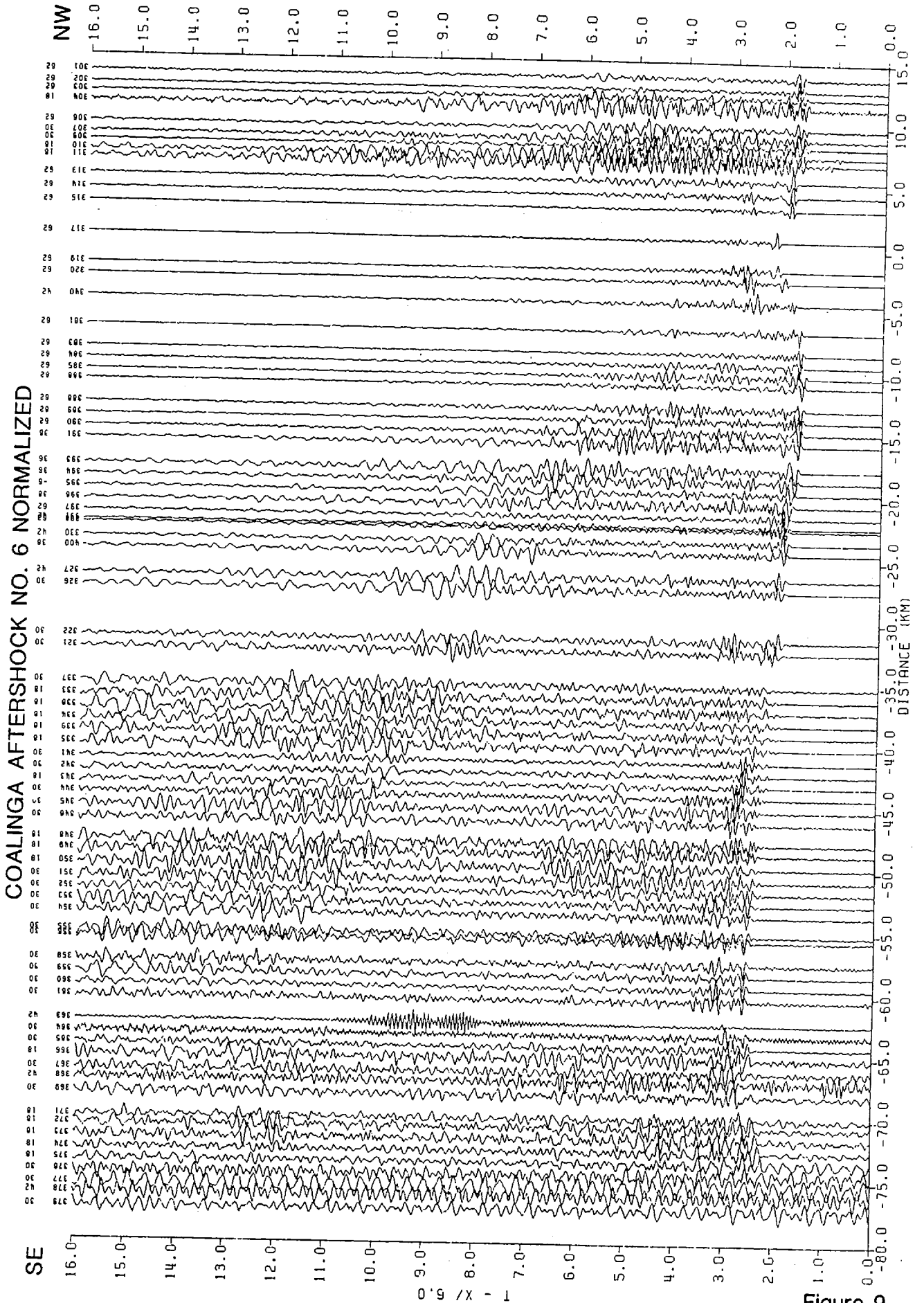


Figure 8





COALINGA AFTERSHOCK NO. 7 NORMALIZED

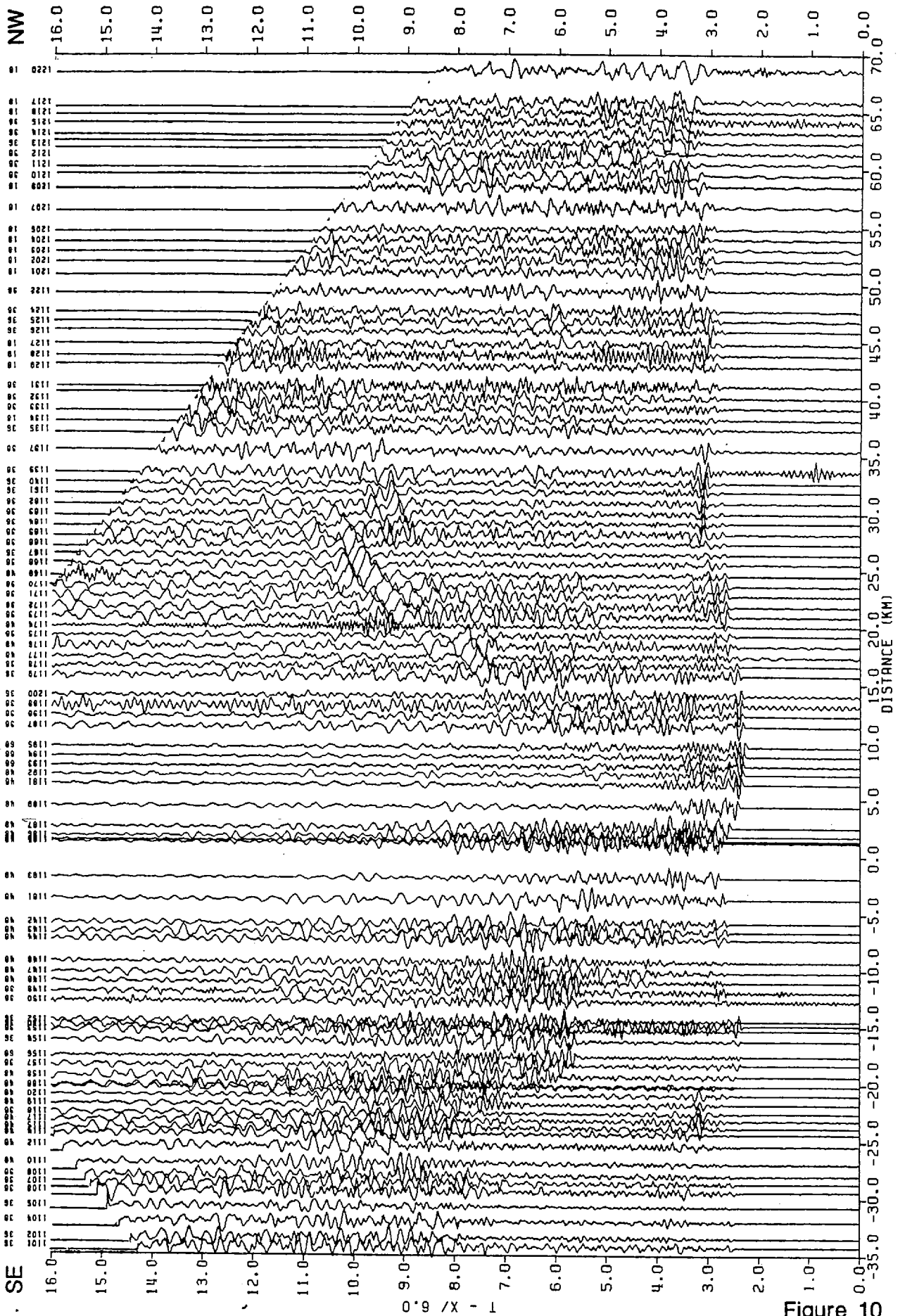


Figure 10

COALINGA AFTERSHOCK NO. 8 NORMALIZED

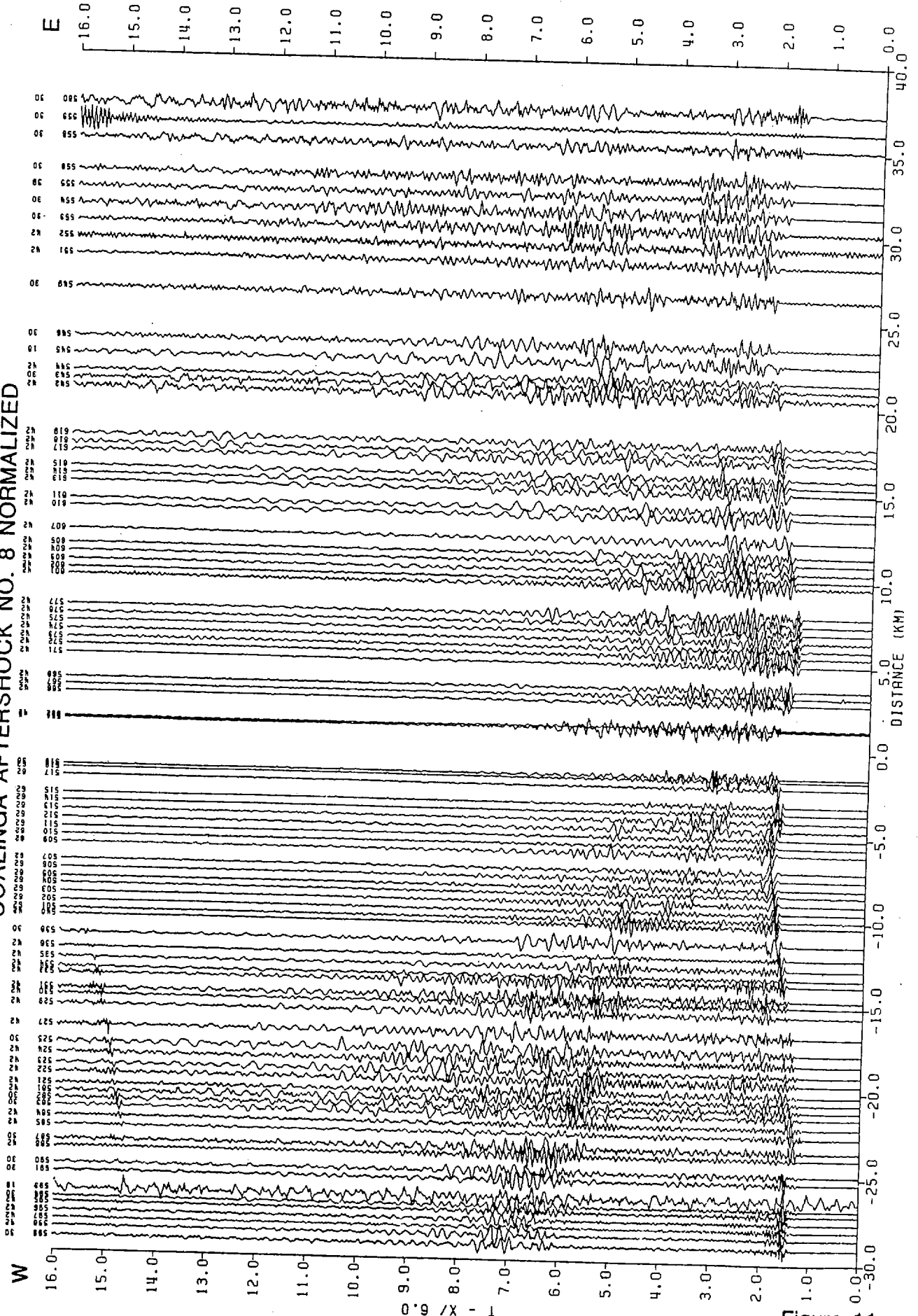


Figure 11

COALINGA AFTERSHOCK NO. 9 NORMALIZED

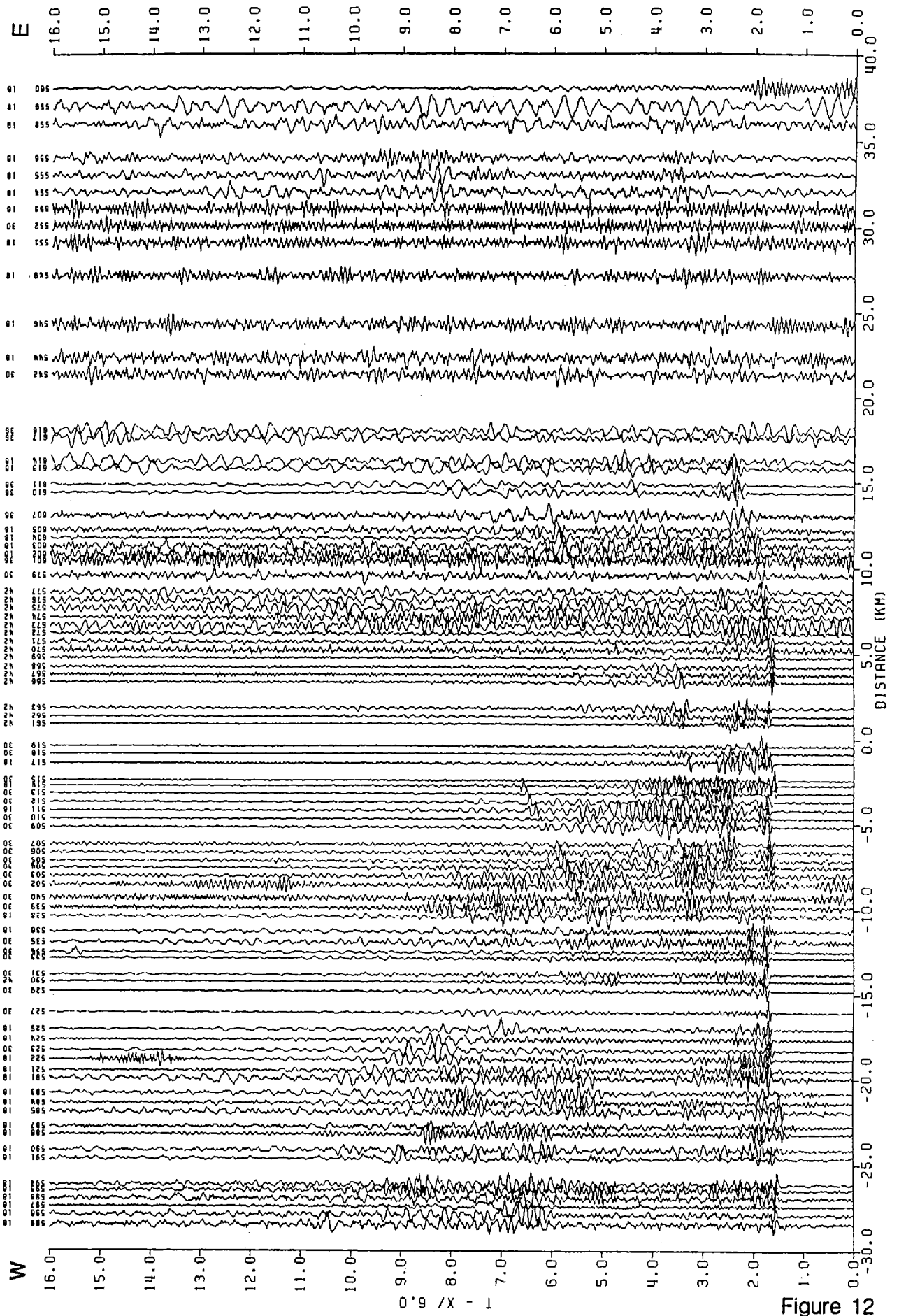


Figure 12

COALINGA AFTERSHOCK NO. 10 NORMALIZED

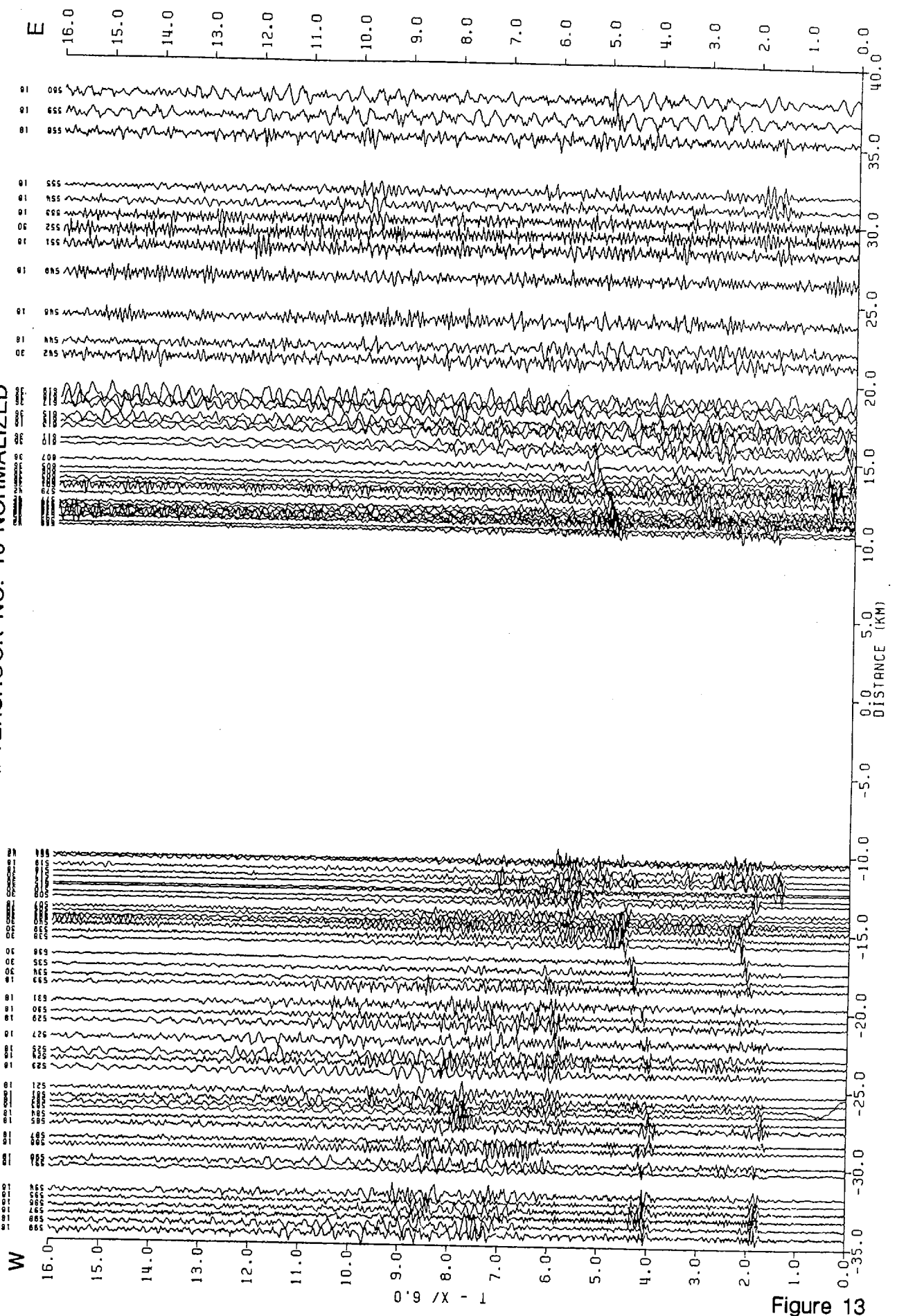


Figure 13

COALINGA AFTERSHOCK NO. 11 NORMALIZED

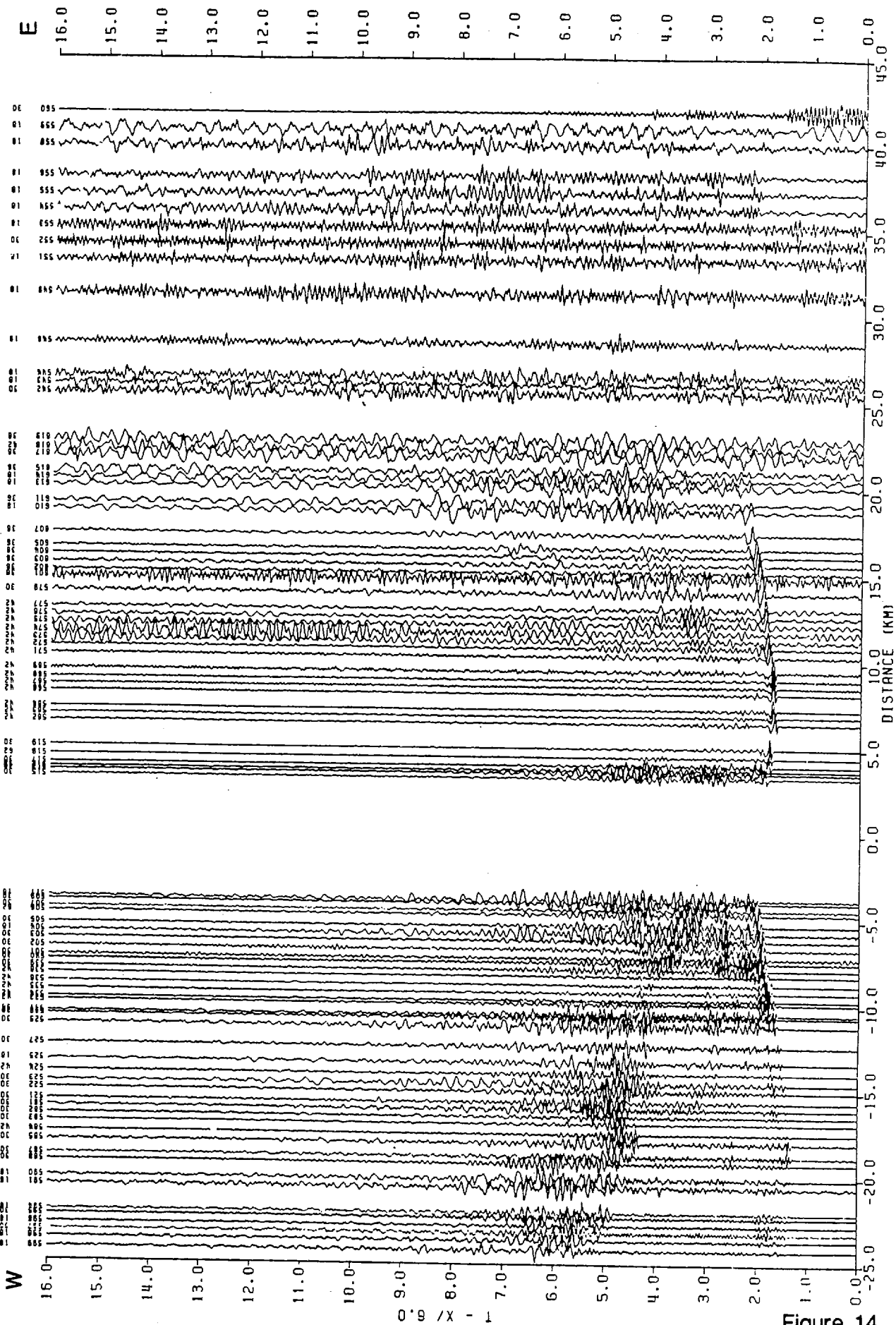


Figure 14

COALINGA AFTERSHOCK NO. 12 NORMALIZED

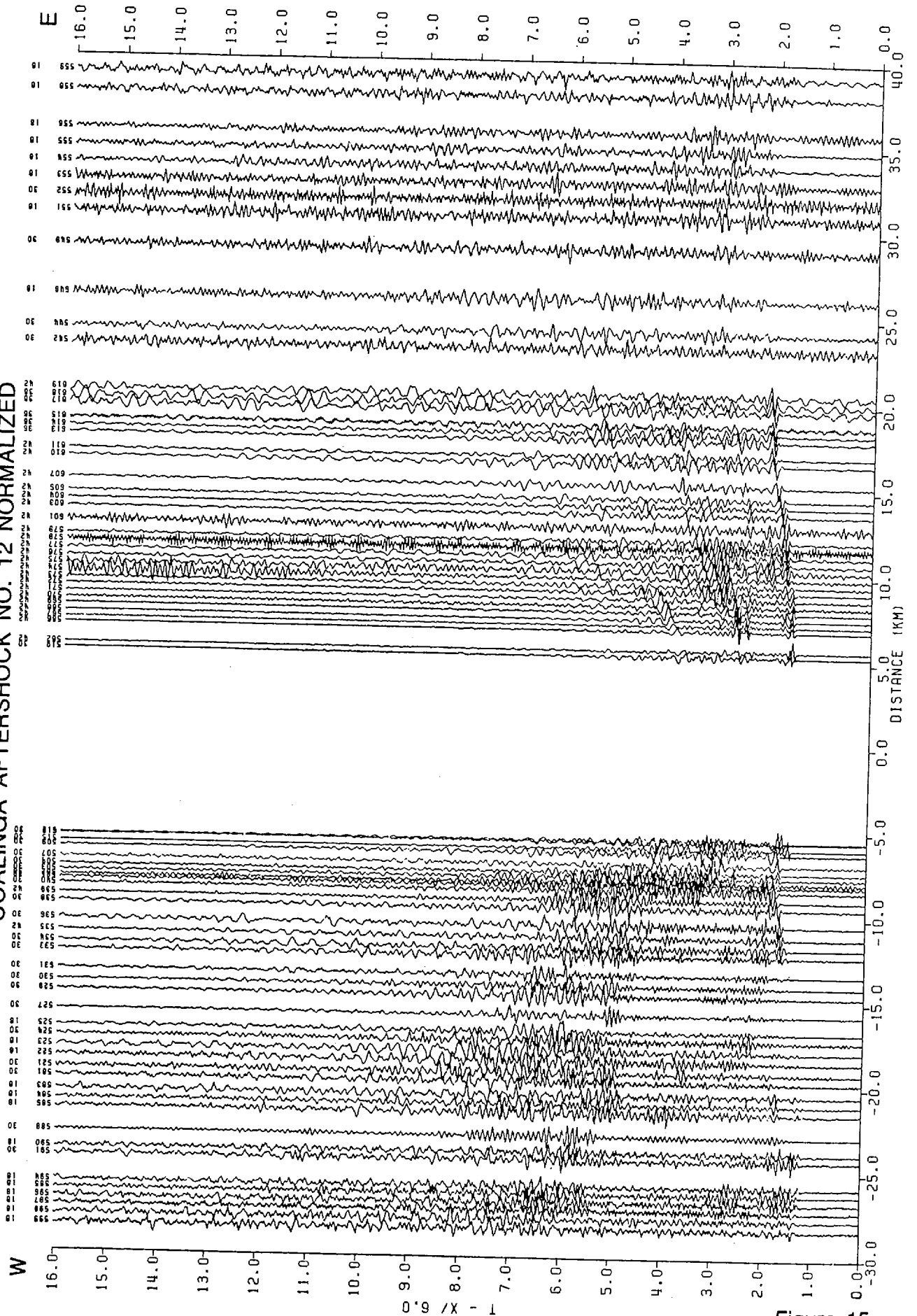


Figure 15



COALINGA AFTERSHOCK NO. 13 NORMALIZED

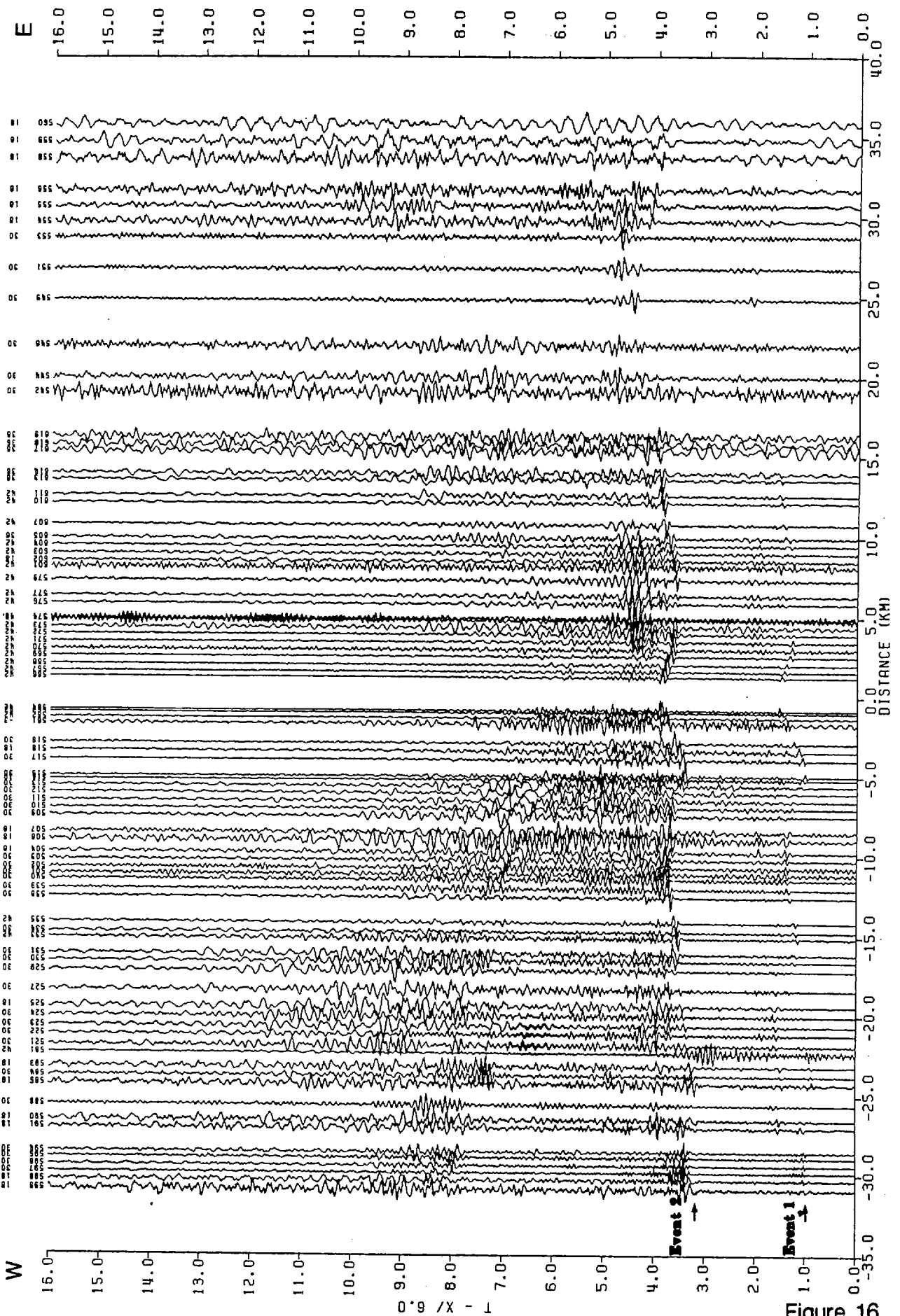


Figure 16



COALINGA AFTERSHOCK NO. 14 NORMALIZED

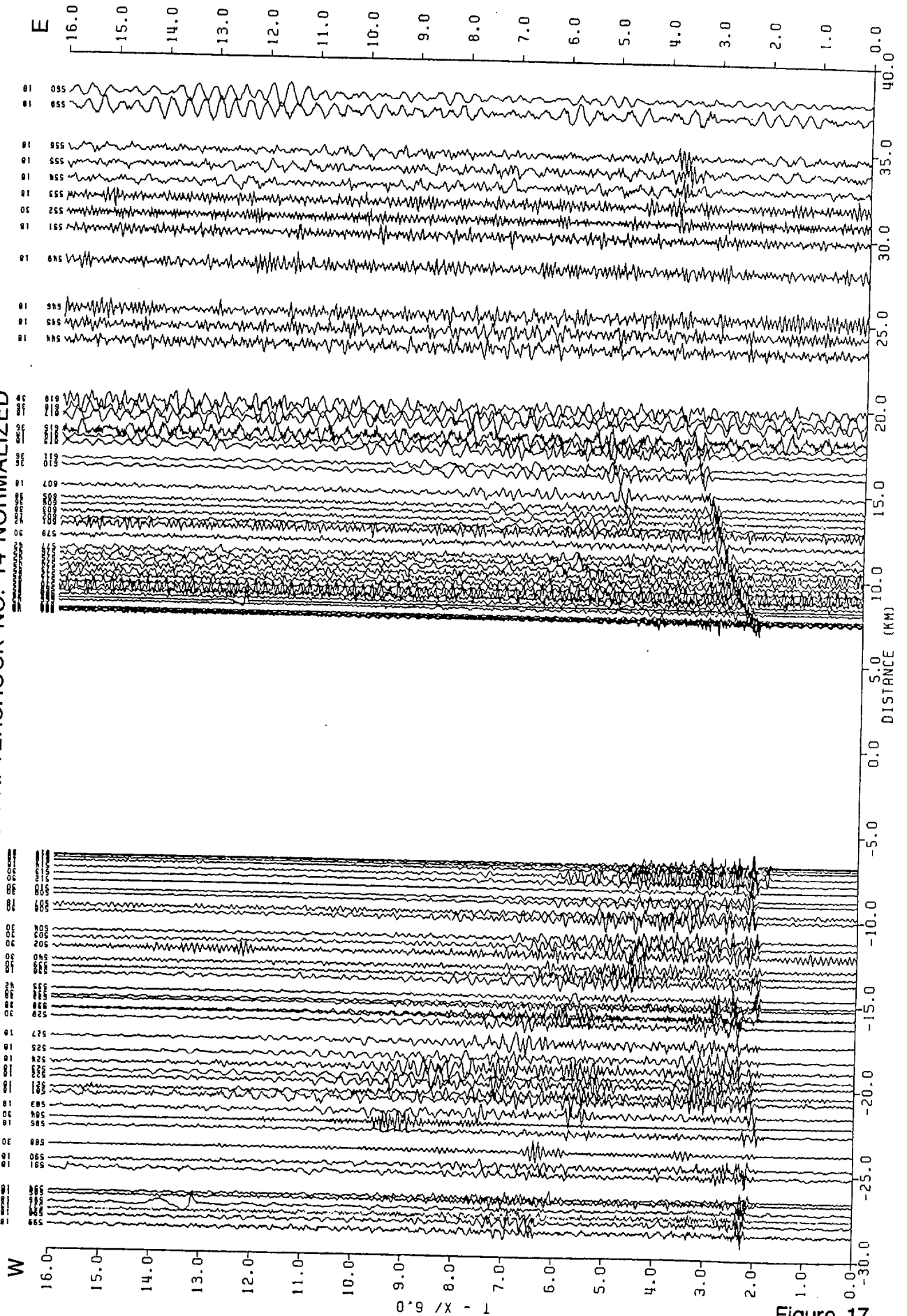


Figure 17

COALINGA AFTERSHOCK NO. 15 NORMALIZED

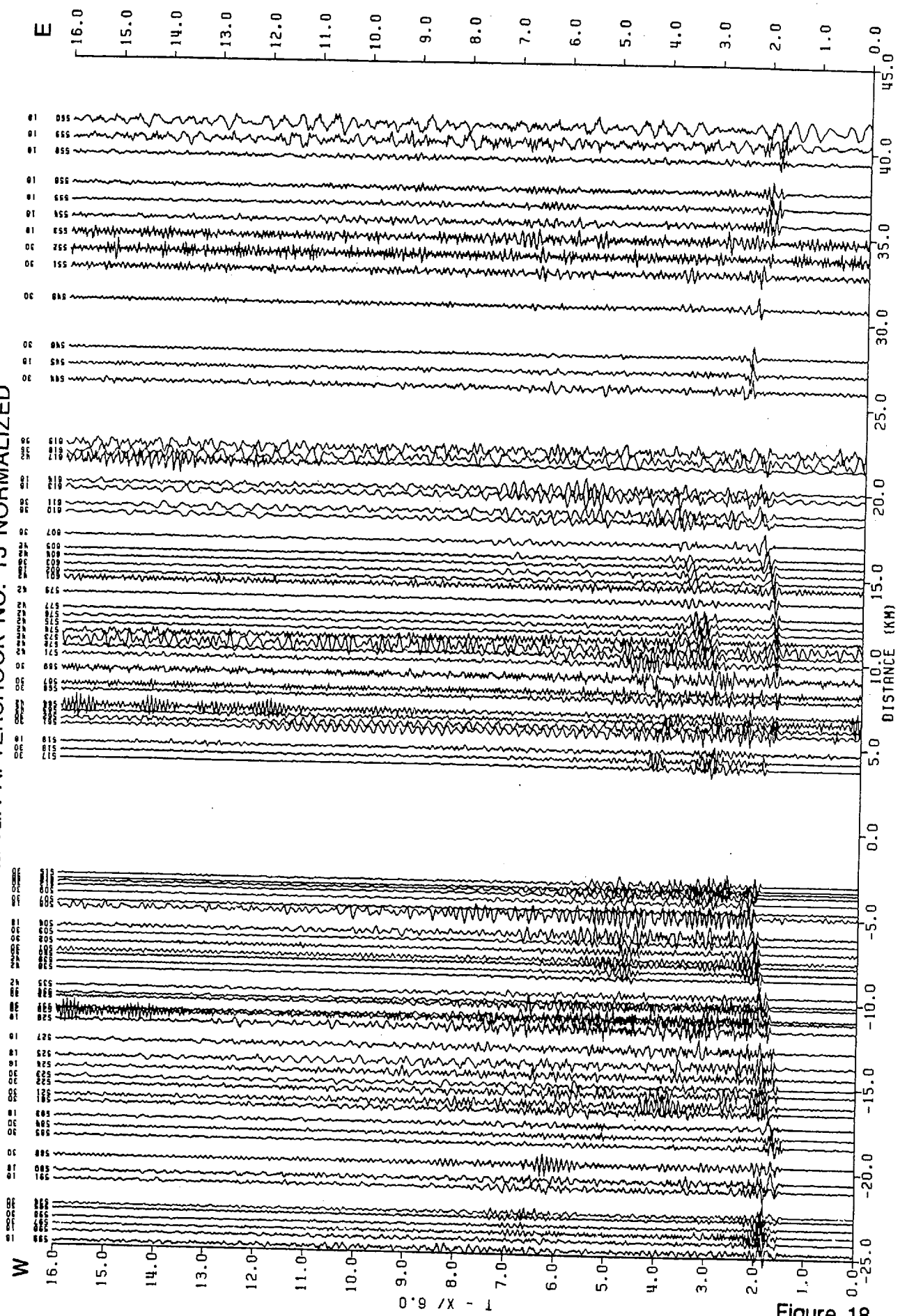


Figure 18

COALINGA AFTERSHOCK NO. 16 NORMALIZED

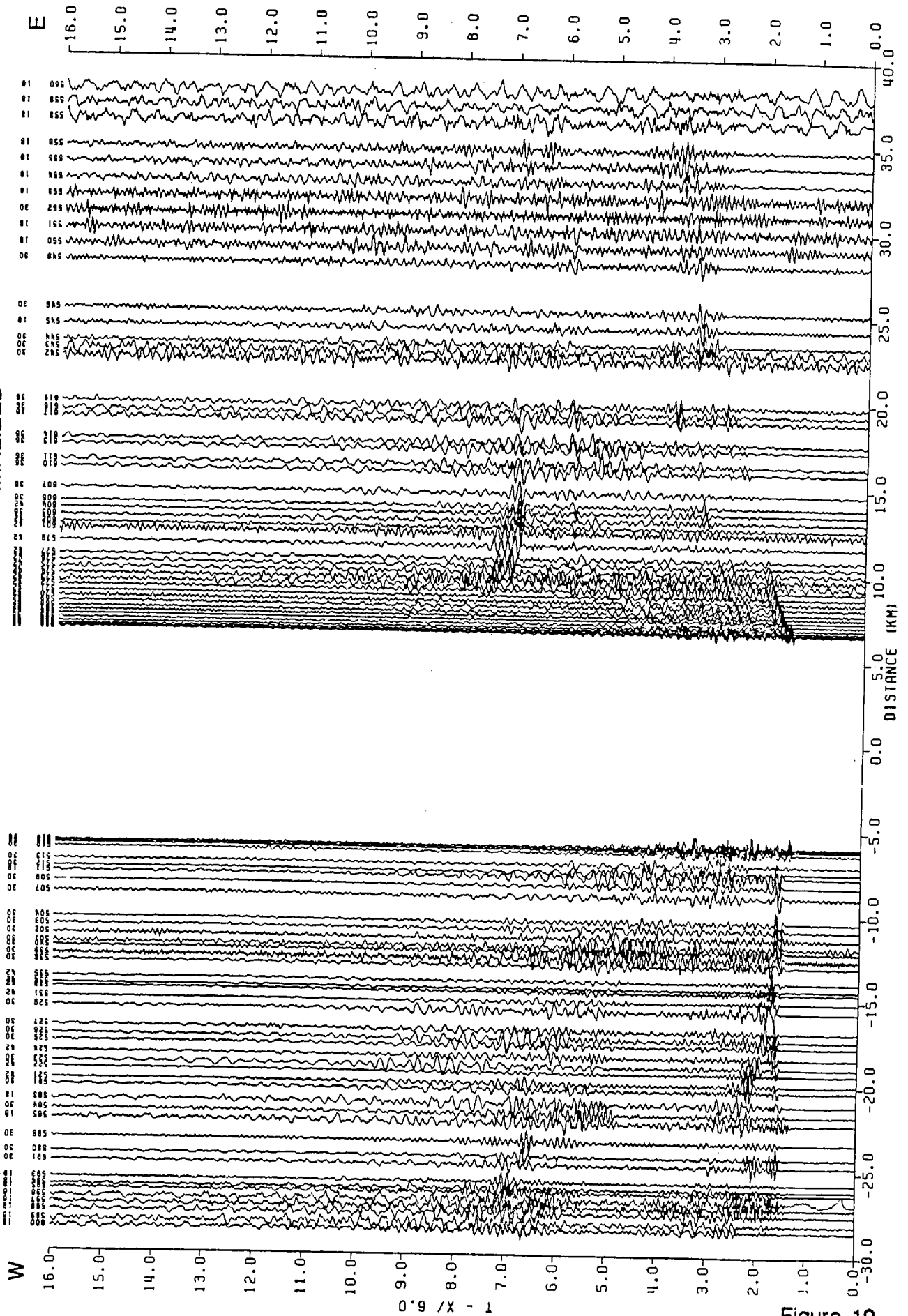


Figure 19

COALINGA AFTERSHOCK NO. 17 NORMALIZED

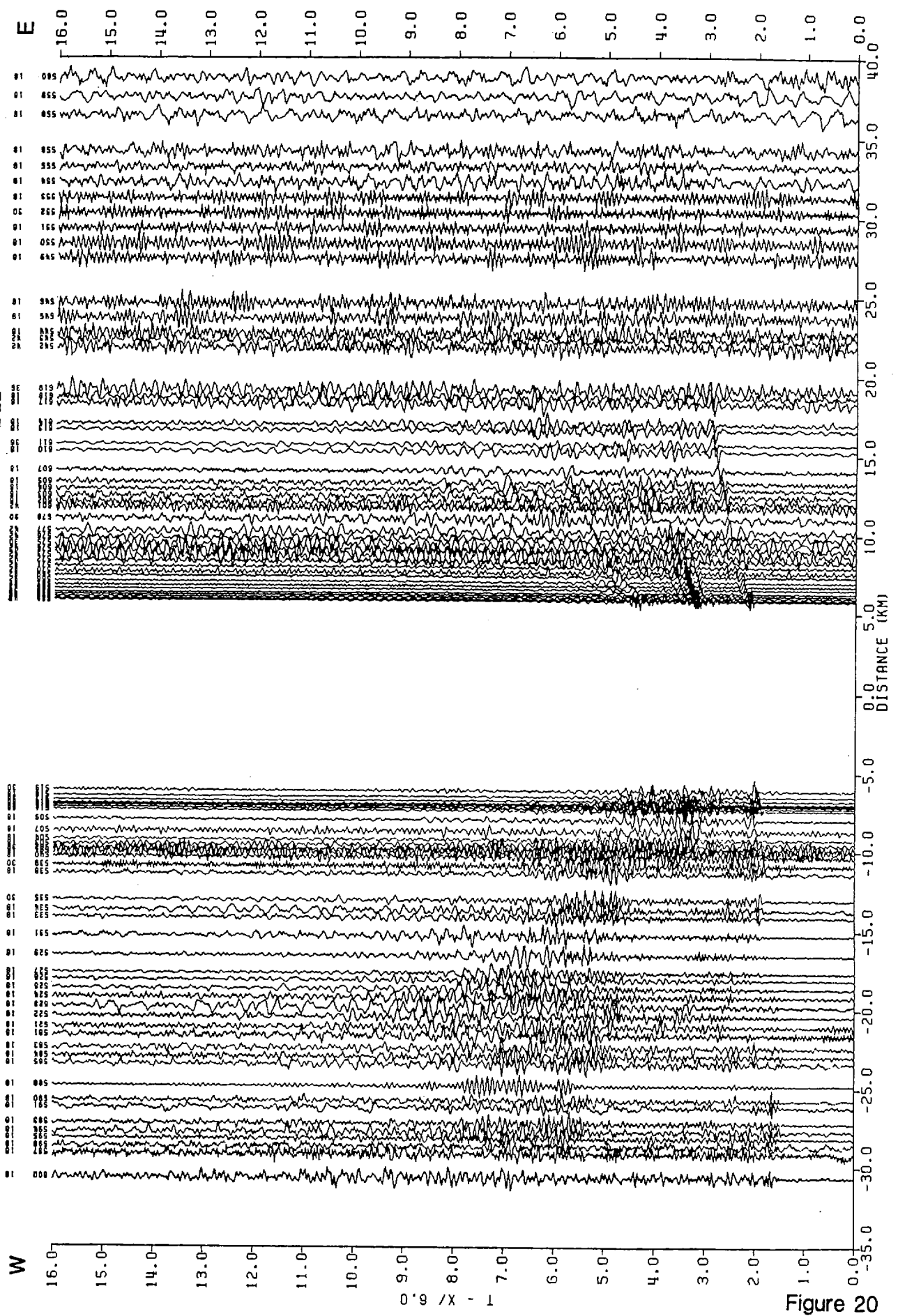


Figure 20

COALINGA AFTERSHOCK NO. 18 NORMALIZED

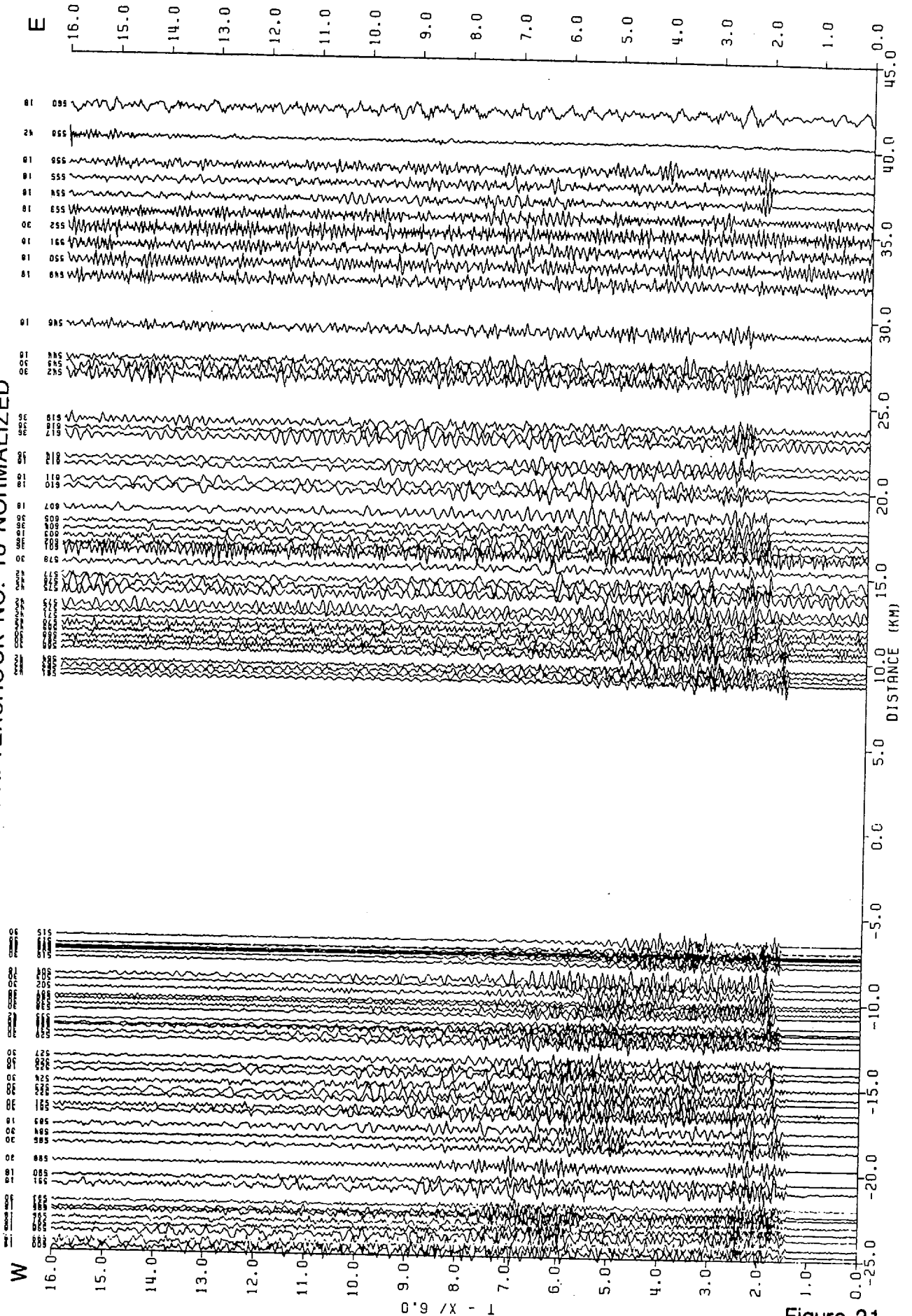


Figure 21

COALINGA AFTERSHOCK NO. 19 NORMALIZED

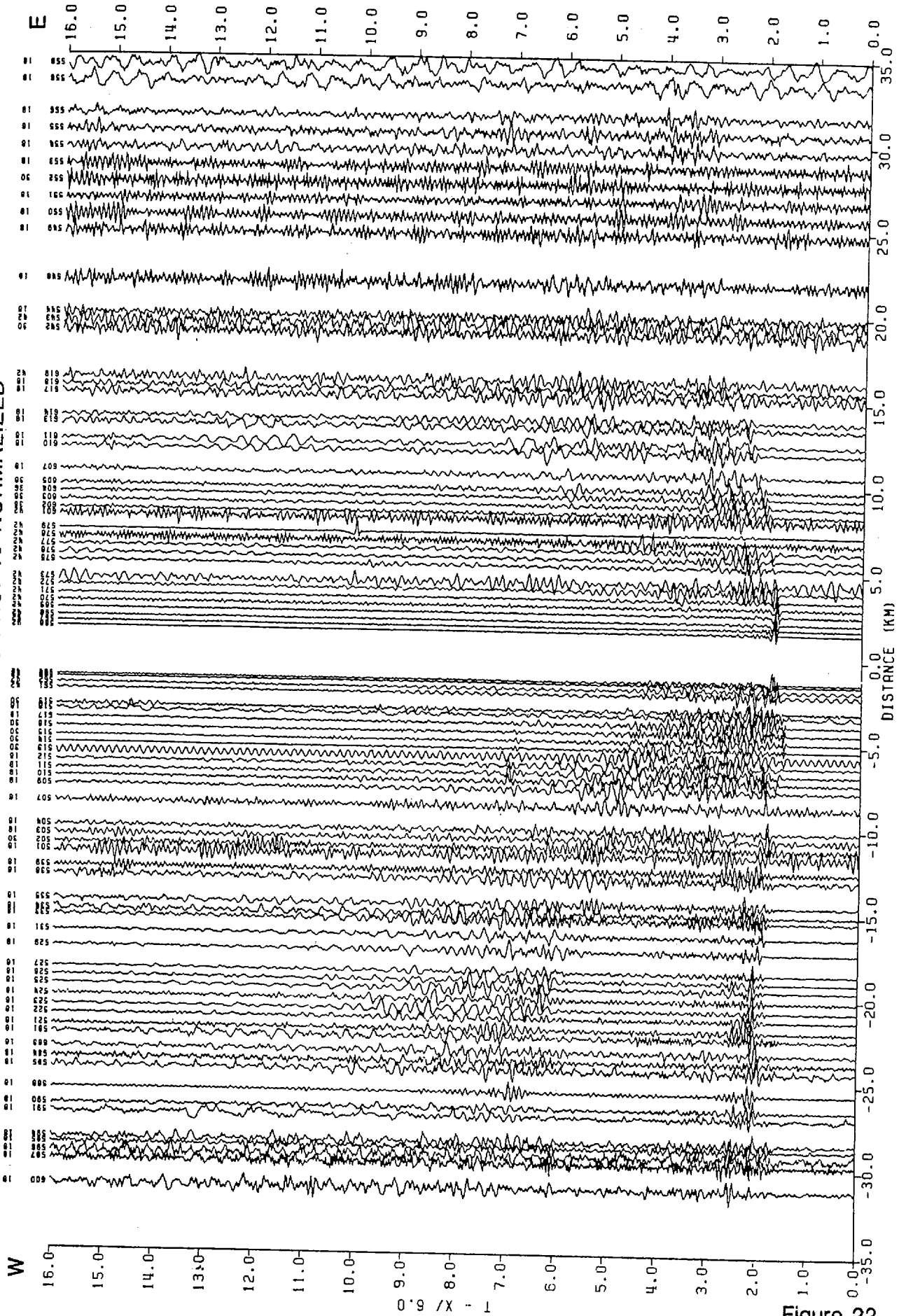


Figure 22

## APPENDIX A

## Seismic Recorder Locations

Appendix A is a listing of the seismic recorder locations. Included are the location numbers of the seismic recorder sites, the latitude and longitude in degrees, minutes, and seconds, and the elevation of the seismic recorder sites in feet.

U.S.G.S. SEISMIC STATION LOCATIONS  
COALINGA, CA, 1983 AFTERSHOCKS 1-6

LOCATION NUMBER	LATITUDE (DEG,MIN,SEC)	LONGITUDE (DEG,MIN,SEC)	ELEV
301	36 15 14.0	120 15 51.9	580
302	36 14 43.4	120 15 49.4	585
303	36 14 22.5	120 15 48.7	580
304	36 13 57.2	120 15 48.5	595
305	36 13 29.8	120 15 48.4	595
306	36 13 3.1	120 15 49.1	620
307	36 12 35.4	120 15 49.6	685
308	36 12 34.8	120 16 22.3	720
309	36 12 7.7	120 16 36.4	780
310	36 11 42.2	120 16 36.7	830
311	36 11 14.8	120 16 57.8	780
313	36 10 23.4	120 16 57.1	670
314	36 9 57.5	120 16 24.2	635
315	36 9 30.9	120 15 47.7	590
316	36 9 1.1	120 15 41.0	620
317	36 8 14.0	120 15 15.6	575
318	36 7 39.6	120 15 10.8	585
319	36 6 57.3	120 15 10.4	587
320	36 6 31.1	120 14 38.8	590
322	35 53 26.8	120 2 48.4	560
323	35 53 55.3	120 3 3.7	545
324	35 54 19.2	120 3 32.0	570
325	35 54 45.3	120 3 52.5	600
326	35 55 14.2	120 4 17.2	640
327	35 55 38.3	120 4 39.7	670
328	35 56 4.1	120 5 2.6	680
329	35 56 30.6	120 5 23.1	700
330	35 57 25.0	120 5 46.6	730
331	35 58 1.4	120 6 6.7	705
332	35 52 58.2	120 6 32.5	710
333	35 51 35.0	120 2 31.6	550
334	35 50 35.8	120 1 41.7	545
335	35 49 38.3	120 1 7.1	540
336	35 52 28.3	120 0 32.8	550
337	35 52 2.2	120 2 17.1	550
338	35 51 5.8	120 2 2.3	550
339	35 50 8.2	120 1 22.6	530
340	36 5 38.8	120 0 49.4	520
341	35 49 4.4	120 14 7.0	615
342	35 48 35.4	119 59 57.1	540
343	35 48 9.2	119 59 38.5	525
344	35 47 44.6	119 59 16.8	515
345	35 47 16.4	119 58 53.8	514
346	35 46 45.7	119 58 35.4	513
347	35 46 22.1	119 58 21.4	508
348	35 45 56.5	119 58 6.1	495
349	35 45 32.0	119 57 50.8	488
350	35 45 0.0	119 57 31.5	475
351	35 44 29.3	119 57 13.1	480

U.S.G.S. SEISMIC STATION LOCATIONS  
COALINGA, CA, 1983 AFTERSHOCKS 1-6

LOCATION NUMBER	LATITUDE (DEG,MIN,SEC)	LONGITUDE (DEG,MIN,SEC)	ELEV
352	35 44 2.4	119 56 54.9	480
353	35 43 39.1	119 56 30.6	477
354	35 43 12.5	119 56 13.2	485
355	35 42 29.1	119 55 43.7	522
356	35 42 16.0	119 55 36.8	540
357	35 41 49.2	119 55 19.7	560
358	35 41 21.5	119 55 2.0	570
359	35 40 53.9	119 54 43.8	570
360	35 40 25.9	119 54 25.7	590
361	35 39 58.7	119 54 6.3	610
362	35 39 30.8	119 53 48.4	630
363	35 39 3.6	119 53 29.5	640
364	35 38 37.0	119 53 10.3	650
365	35 38 10.3	119 52 52.7	655
366	35 37 44.0	119 52 34.8	653
367	35 37 12.9	119 52 12.8	648
368	35 36 50.6	119 51 57.4	648
369	35 36 24.5	119 51 25.2	640
370	35 36 2.3	119 50 58.0	630
371	35 35 40.1	119 50 30.6	622
372	35 35 23.8	119 50 10.8	616
373	35 35 2.2	119 49 43.0	620
374	35 34 39.0	119 49 15.0	615
375	35 34 17.1	119 48 48.2	620
376	35 33 54.8	119 48 20.5	635
377	35 33 32.3	119 47 52.8	625
378	35 33 16.1	119 47 31.2	620
379	35 32 49.7	119 46 59.9	595
380	35 32 28.7	119 46 34.2	595
381	36 4 26.8	120 13 43.3	655
382	36 4 5.6	120 13 14.2	670
383	36 3 43.2	120 12 48.4	695
384	36 3 21.2	120 12 20.6	715
385	36 3 0.6	120 11 51.1	735
386	36 2 41.4	120 11 28.5	740
387	36 2 20.2	120 11 1.5	750
388	36 1 58.0	120 10 34.7	760
389	36 1 35.6	120 10 7.6	770
390	36 1 13.4	120 9 39.9	780
391	36 0 51.4	120 9 12.8	780
392	36 0 25.6	120 8 42.6	780
393	36 0 4.2	120 8 13.4	770
394	35 59 43.1	120 7 46.7	760
395	35 59 16.9	120 7 27.1	750
396	35 58 49.6	120 7 8.0	745
397	35 58 21.9	120 6 48.6	730
398	35 57 54.7	120 6 29.5	710
399	35 57 26.8	120 6 10.4	710
400	35 56 59.9	120 5 50.1	725
401	35 32 12.4	119 46 12.8	585



U.S.G.S. SEISMIC STATION LOCATIONS  
 COALINGA, CA, 1983 AFTERSHOCKS 1-6

LOCATION NUMBER	LATITUDE (DEG,MIN,SEC)	LONGITUDE (DEG,MIN,SEC)	ELEV
402	35 31 54.9	119 45 50.0	580
403	35 31 33.8	119 45 27.7	578
404	35 31 9.7	119 45 10.4	575
405	35 30 45.2	119 44 53.3	557
406	35 30 21.3	119 44 35.7	560
407	35 29 57.1	119 44 18.1	550
408	35 29 30.3	119 44 0.0	540
409	35 29 4.4	119 43 42.4	530
410	35 28 40.7	119 43 22.9	540
411	35 28 15.9	119 43 4.3	545
412	35 27 51.2	119 42 42.3	550
413	35 27 28.7	119 42 20.2	555
414	35 27 5.1	119 41 57.4	555
415	35 26 41.9	119 41 36.2	555
416	35 26 14.0	119 41 21.0	560
417	35 25 49.2	119 41 4.6	560
418	35 25 24.4	119 40 48.9	555
419	35 24 59.0	119 40 33.4	545
420	35 24 34.0	119 40 18.0	540

U.S.G.S. SEISMIC STATION LOCATIONS  
 COALINGA, CA, 1983 AFTERSHOCK 7

LOCATION NUMBER	LATITUDE (DEG,MIN,SEC)	LONGITUDE (DEG,MIN,SEC)	ELEV
1101	36 24 3.8	120 30 26.9	1210
1102	36 23 52.5	120 29 53.4	1320
1103	36 23 29.2	120 29 42.4	1660
1104	36 23 9.6	120 29 30.1	1675
1105	36 22 34.7	120 28 57.4	1680
1106	36 22 27.9	120 28 35.8	1610
1107	36 22 15.5	120 27 7.2	1120
1108	36 22 19.0	120 27 54.9	1280
1109	36 22 6.0	120 26 33.6	1190
1110	36 21 42.7	120 26 0.1	1429
1111	36 21 18.6	120 25 37.8	1550
1112	36 21 7.6	120 25 10.4	1490
1113	36 20 49.5	120 25 12.9	1590
1114	36 20 36.6	120 24 53.3	1780
1115	36 20 29.3	120 24 26.9	1670
1117	36 20 19.5	120 23 54.2	1540
1118	36 19 55.5	120 23 56.4	1630
1119	36 19 25.6	120 23 58.0	2200
1120	36 18 59.5	120 23 50.9	2530
1121	35 46 28.8	119 58 24.4	510
1122	35 46 54.5	119 58 39.3	515
1123	35 47 20.9	119 58 55.5	515
1124	35 47 45.6	119 59 11.2	515
1125	35 48 6.6	119 59 34.2	515
1126	35 48 30.7	119 59 52.8	520
1127	35 49 5.4	120 0 12.3	528
1128	35 49 33.4	120 0 29.0	528
1129	35 50 3.1	120 0 45.8	525
1130	35 50 28.4	120 1 1.5	540
1131	35 50 54.1	120 1 17.3	527
1132	35 51 25.3	120 1 34.0	530
1133	35 51 51.0	120 1 52.2	549
1134	35 52 19.0	120 2 10.8	550
1135	35 52 45.6	120 2 24.7	550
1136	35 53 14.0	120 2 40.8	545
1137	35 53 40.1	120 2 54.7	550
1139	35 54 28.7	120 3 39.1	575
1140	35 54 54.8	120 4 1.6	600
1141	36 10 49.0	120 19 20.4	706
1142	36 11 14.0	120 19 49.2	750
1143	36 11 32.3	120 20 10.0	778
1144	36 12 3.0	120 20 10.8	810
1145	36 12 19.2	120 20 45.2	850
1146	36 12 41.5	120 21 13.8	903
1147	36 13 10.2	120 21 33.5	990
1148	36 13 29.0	120 21 56.8	1062
1149	36 13 57.1	120 22 9.6	1190
1150	36 14 12.0	120 22 38.5	1270
1151	36 14 40.1	120 22 49.2	1315
1152	36 15 7.7	120 23 6.1	1390

U.S.G.S. SEISMIC STATION LOCATIONS  
COALINGA, CA, 1983 AFTERSHOCK 7

LOCATION NUMBER	LATITUDE (DEG, MIN, SEC)	LONGITUDE (DEG, MIN, SEC)	ELEV
1153	36 15 27.9	120 23 29.2	1550
1154	36 15 50.2	120 23 53.7	1570
1155	36 16 12.5	120 23 58.0	1760
1156	36 16 37.8	120 24 6.0	1950
1157	36 17 7.1	120 24 11.0	2360
1158	36 17 38.7	120 24 24.5	2957
1159	36 18 2.7	120 24 41.2	3350
1160	36 18 15.2	120 24 16.2	3500
1161	35 55 15.9	120 4 18.4	635
1162	35 55 41.4	120 4 41.7	675
1163	35 56 5.6	120 5 3.3	685
1164	35 56 29.2	120 5 23.4	705
1165	35 56 52.7	120 5 44.2	725
1166	35 57 17.1	120 6 2.0	705
1167	35 57 43.2	120 6 21.0	700
1168	35 58 8.1	120 6 36.8	720
1169	35 58 34.9	120 6 57.2	740
1170	35 59 1.3	120 7 15.6	750
1171	35 59 25.6	120 7 34.1	750
1172	35 59 51.5	120 7 54.7	765
1173	36 0 11.1	120 8 20.3	775
1174	36 0 29.7	120 8 46.2	790
1175	36 0 49.6	120 9 10.9	785
1176	36 1 10.9	120 9 37.2	785
1177	36 1 33.1	120 10 4.6	770
1178	36 1 50.9	120 10 26.3	765
1179	36 2 11.7	120 10 51.1	750
1180	36 2 30.7	120 11 16.5	750
1181	36 10 22.6	120 18 52.3	665
1182	36 9 56.0	120 18 32.6	635
1183	36 9 31.5	120 18 0.4	615
1184	36 9 5.4	120 17 45.0	605
1185	36 8 38.7	120 17 19.9	605
1186	36 8 13.5	120 16 56.4	600
1187	36 7 49.1	120 16 39.6	600
1188	36 7 22.5	120 16 15.9	600
1189	36 6 56.3	120 15 55.6	600
1190	36 6 30.9	120 15 32.5	595
1191	36 6 4.6	120 15 10.6	598
1192	36 5 37.8	120 15 0.8	610
1193	36 5 16.7	120 14 44.6	625
1194	36 4 36.1	120 14 19.7	638
1195	36 4 36.1	120 13 53.8	647
1196	36 4 13.3	120 13 32.1	655
1197	36 3 54.4	120 13 3.0	680
1198	36 3 32.3	120 12 34.7	705
1199	36 3 12.1	120 12 8.9	725
1200	36 2 52.7	120 11 39.9	635
1201	35 46 3.6	119 58 9.8	498
1202	35 45 36.2	119 57 52.4	489

U.S.G.S. SEISMIC STATION LOCATIONS  
COALINGA, CA, 1983 AFTERSHOCK 7

LOCATION NUMBER	LATITUDE (DEG, MIN, SEC)	LONGITUDE (DEG, MIN, SEC)	ELEV
1203	35 45 8.6	119 57 36.4	480
1204	35 44 41.2	119 57 20.0	480
1205	35 44 15.8	119 57 4.2	478
1206	35 43 49.4	119 56 37.9	478
1207	35 43 24.5	119 56 20.7	480
1208	35 42 58.3	119 56 3.8	499
1209	35 42 32.3	119 55 46.9	520
1210	35 42 4.6	119 55 29.4	526
1211	35 41 38.0	119 55 11.7	540
1212	35 41 12.2	119 54 55.6	562
1213	35 40 46.3	119 54 38.5	575
1214	35 40 22.0	119 54 20.4	590
1215	35 39 53.4	119 54 4.5	612
1216	35 39 28.7	119 53 47.9	637
1217	35 39 3.4	119 53 29.8	640
1218	35 38 36.6	119 53 11.2	650
1219	35 38 11.7	119 52 53.2	660
1220	35 37 44.8	119 52 35.5	665

U.S.G.S. SEISMIC STATION LOCATIONS  
COALINGA, CA, 1983 AFTERSHOCKS 8-19

LOCATION NUMBER	LATITUDE (DEG,MIN,SEC)	LONGITUDE (DEG,MIN,SEC)	ELEV
501	36 11 40.1	120 23 25.5	820
502	36 11 52.1	120 23 10.3	835
503	36 12 0.2	120 22 51.0	845
504	36 12 5.0	120 22 32.2	870
505	36 12 15.6	120 22 18.5	890
506	36 12 32.0	120 22 0.7	905
507	36 12 32.1	120 21 41.0	895
508	36 12 32.2	120 21 20.0	880
509	36 12 32.3	120 21 0.5	890
510	36 12 32.2	120 20 40.9	870
511	36 12 33.0	120 20 21.6	850
512	36 12 33.6	120 20 1.5	850
513	36 12 41.1	120 19 42.5	950
514	36 12 48.1	120 19 24.2	970
515	36 13 1.9	120 19 9.1	1070
516	36 13 3.6	120 18 48.5	1040
517	36 12 57.6	120 18 27.1	940
518	36 12 52.7	120 18 5.9	880
519	36 12 42.1	120 17 49.7	830
520	36 12 34.8	120 17 30.0	790
521	36 13 20.2	120 30 32.0	1300
522	36 13 15.9	120 30 5.4	1260
523	36 13 4.1	120 29 44.9	1220
524	36 13 0.8	120 29 20.0	1180
525	36 13 6.6	120 28 54.9	1230
526	36 12 58.0	120 28 34.8	1160
527	36 13 1.9	120 28 14.9	1100
528	36 13 8.8	120 27 50.1	1050
529	36 13 2.2	120 27 25.7	1040
530	36 12 57.7	120 27 2.9	1000
531	36 12 33.4	120 26 46.6	950
532	36 12 28.7	120 26 27.5	950
533	36 12 13.5	120 26 7.4	930
534	36 12 4.0	120 25 51.7	930
535	36 11 58.5	120 25 27.4	920
536	36 11 51.4	120 25 0.6	880
537	36 11 40.4	120 24 47.3	840
538	36 11 39.7	120 24 23.1	840
539	36 11 39.7	120 24 2.6	840
540	36 11 39.7	120 23 38.7	840
541	36 12 38.2	120 3 59.9	335
542	36 12 38.3	120 3 21.6	323
543	36 12 38.6	120 3 1.4	318
544	36 12 37.4	120 2 42.9	314
545	36 12 37.5	120 2 3.3	305
546	36 12 37.4	120 1 23.7	298
547	36 12 37.4	120 0 44.3	288
548	36 12 37.3	120 0 7.2	280
549	36 12 37.4	119 59 27.7	273
550	36 12 37.3	119 58 48.9	267

U.S.G.S. SEISMIC STATION LOCATIONS  
COALINGA, CA, 1983 AFTERSHOCKS 8-19

LOCATION NUMBER	LATITUDE (DEG,MIN,SEC)	LONGITUDE (DEG,MIN,SEC)	ELEV
551	36 12 37.6	119 58 10.0	260
552	36 12 39.0	119 57 30.0	253
553	36 12 37.9	119 56 51.0	245
554	36 12 39.0	119 56 11.6	242
555	36 12 39.2	119 55 32.2	235
556	36 12 45.2	119 54 52.8	230
557	36 13 13.5	119 54 16.4	225
558	36 13 44.0	119 53 37.5	218
559	36 14 14.7	119 52 58.5	213
560	36 14 45.1	119 52 19.4	209
561	36 12 33.7	120 17 0.7	760
562	36 12 34.2	120 16 42.8	720
563	36 12 35.3	120 16 22.2	720
564	36 12 35.4	120 16 4.4	710
565	36 12 34.5	120 15 43.6	680
566	36 12 34.4	120 15 22.2	600
567	36 12 34.7	120 15 4.7	550
568	36 12 35.0	120 14 46.3	520
569	36 12 35.6	120 14 24.3	480
570	36 12 35.2	120 14 6.1	460
571	36 12 35.6	120 13 46.8	450
572	36 12 35.7	120 13 26.2	445
573	36 12 35.8	120 13 8.5	445
574	36 12 35.8	120 12 48.6	445
575	36 12 36.0	120 12 28.3	445
576	36 12 36.1	120 12 9.5	445
577	36 12 36.4	120 11 49.8	440
578	36 12 37.4	120 11 30.1	435
579	36 12 37.3	120 11 11.5	430
580	36 12 37.6	120 10 52.9	430
581	36 13 30.4	120 30 50.0	1360
582	36 13 30.0	120 31 7.0	1342
583	36 13 29.4	120 31 23.8	1450
584	36 13 26.9	120 31 47.7	1400
585	36 13 27.0	120 32 8.6	1435
586	36 13 38.5	120 32 23.9	1430
587	36 13 38.7	120 32 42.3	1460
588	36 13 44.4	120 32 59.2	1480
589	36 14 2.3	120 33 13.4	1515
590	36 13 51.1	120 33 36.4	1550
591	36 13 49.0	120 33 55.9	1580
592	36 13 47.1	120 34 16.3	1600
593	36 13 52.9	120 34 36.9	1640
594	36 14 2.7	120 34 55.6	1640
595	36 14 19.0	120 35 7.3	1640
596	36 14 23.1	120 35 26.3	1720
597	36 14 29.8	120 35 43.3	1760
598	36 14 41.0	120 36 0.6	1840
599	36 14 43.3	120 36 23.9	1880
600	36 14 46.5	120 36 39.4	1920

U.S.G.S. SEISMIC STATION LOCATIONS  
 COALINGA, CA, 1983 AFTERSHOCKS 8-19

LOCATION NUMBER	LATITUDE (DEG,MIN,SEC)	LONGITUDE (DEG,MIN,SEC)	ELEV
601	36 12 36.7	120 10 37.6	423
602	36 12 36.8	120 10 22.7	420
603	36 12 36.6	120 10 3.6	415
604	36 12 36.6	120 9 44.0	413
605	36 12 37.3	120 9 25.2	411
606	36 12 37.3	120 9 8.6	410
607	36 12 37.4	120 8 31.7	407
608	36 12 37.4	120 8 34.0	403
609	36 12 36.6	120 8 16.2	398
610	36 12 37.4	120 7 58.0	395
611	36 12 37.5	120 7 39.7	392
612	36 12 38.1	120 7 18.0	385
613	36 12 38.1	120 7 0.7	380
614	36 12 38.1	120 6 44.3	373
615	36 12 38.2	120 6 26.1	368
616	36 12 38.6	120 6 7.8	363
617	36 12 38.2	120 5 49.6	359
618	36 12 38.2	120 5 32.9	355
619	36 12 37.4	120 5 12.6	348
620	36 12 37.8	120 4 19.7	335

## APPENDIX B

## Team Data Sheets

The data sheets contain all the information related to the performance of the seismic recorders. This appendix provides a computer printout of this information as stored on a floppy disk. The recorders are grouped into six teams of twenty instruments. Each set of teams is listed in aftershock order. The origin time lists the Julian day and the GMT hour, minute, and second. The column headings are as follows:

LOC	- field location number of the seismic recorder unit
DIST (KM)	- distance from the epicenter to the recorder location in kilometers
AZIM	- azimuth from the epicenter to the recorder location measured clockwise from north
UNIT	- I. D. number of the recording unit
CHRON	- time correction in milliseconds for the recorder clock at origin time (calculated from the total drift assuming a linear drift rate)
CHAN	- seismic channel number (1, 2, or 3) which was digitized
C1 C2 C3	- gain attenuator settings (dB) for a given channel
TAPE GRADE	- number that codes the instrument performance, the data quality, and/or the reason for omitting the trace from a record section

DIRECTORY OF TAPE GRADE CODES

- 0 - Seismic record digitized
- 1 - Recorder did not operate; tape did not advance
- 2 - Tape advanced but no signal was recorded
- 3 - Skipped recording time
- 6 - Weak signal; low recording level;  
cannot interpret time code
- 7 - Continuous calibration by recorder unit
- 8 - Noise, sinusoidal
- 9 - Noise, spike
- 10 - High frequency noise; trace filtered  
for normalized plots (1-15 hz bandpass filter)
- 11 - High amplitude cultural noise;  
not used for true amplitude plots
- 12 - High cultural noise; poor signal to noise ratio
- 13 - Defective clock unit
- 17 - Noisy time code record
- 18 - Tape speed incorrect; belt slipped
- 20 - Unit not deployed
- 21 - Geophone disconnected or shorted
- 24 - Late start; missed shot time
- 25 - Geophone response test failed  
(usually no seismic signal)
- 26 - One or more seismic channels missing
- 28 - Unit damaged in field
- 29 - Incorrect program time
- 31 - amplifier out of balance;  
trace not used for true amplitude plots
- 32 - Crossfeed on time code due to strong seismic signal;  
timing accuracy of only +20 milliseconds
- 34 - Trace deleted from record section to prevent  
the overlapping of adjacent traces

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 1 TEAM 1  
 ORIGIN TIME: 124: 9: 6:36.720

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	301	13.397	0.4	1	6	1	30	18	62	0
2	302	12.453	0.7	2	-16	1	30	18	62	0
3	303	11.810	0.9	3	4	1	30	18	62	6
4	304	11.030	0.9	4	-53	2	30	18	62	0
5	305	10.186	1.0	5	22	2	30	18	62	6
6	306	9.363	1.0	6	3	3	30	18	62	6
7	307	8.508	1.0	7	-6	3	30	18	62	0
8	308	8.513	355.5	8	31	2	30	18	62	0
9	309	7.720	352.5	9	8	3	30	18	62	0
10	310	6.942	351.5	10	3	3	30	18	62	0
11	311	6.218	345.6	11	13	3	30	18	62	0
12	312			12	61	1	30	18	62	1
13	313	4.695	340.9	13	-5	3	30	18	62	0
14	314	3.708	349.0	14	34	3	30	18	62	0
15	315	2.828	4.1	15	2	3	30	18	62	0
16	316	1.937	11.0	16	10	3	30	18	62	0
17	317	1.101	65.9	17	18	3	30	18	62	0
18	318	1.280	118.5	18	-2	3	30	18	62	0
19	319	2.227	149.3	19	-4	3	30	18	62	0
20	320	3.328	144.7	20	1	3	30	18	62	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 1 TEAM 3  
 ORIGIN TIME: 124: 9: 6:36.720

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	341	42.197	146.0	41	4	1	30	18	42	0
2	342	43.173	146.2	42	3	2	30	18	42	6
3	343	44.106	146.3	43	-7	2	30	18	42	12
4	344	45.037	146.2	44	-12	2	30	18	42	0
5	345	46.081	146.2	45	1	2	30	18	42	0
6	346	47.126	146.4	46	-25	2	30	18	42	0
7	347	47.927	146.5	47	3	2	30	18	42	6
8	348	48.796	146.7	48	-17	1	30	18	42	0
9	349	49.639	146.8	49	4	2	30	18	42	0
10	350	50.731	146.9	50	-2	2	30	18	42	0
11	351	51.776	147.1	51	4	2	30	18	42	0
12	352	52.719	147.1	52	-3	2	30	18	42	0
13	353	53.656	147.0	53	2	2	30	18	42	0/12
14	354	54.580	147.1	54	-5	2	30	18	42	0
15	355	56.106	147.2	55	-4	2	30	18	42	0
16	356	56.541	147.3	56	3	2	30	18	42	0
17	357	57.467	147.4	57	-24	2	30	18	42	1
18	358	58.428	147.4	58	0	2	30	18	42	12
19	359	59.391	147.5	59	0	3	30	18	42	0
20	360	60.361	147.6	60	-3	2	30	18	42	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 1 TEAM 2  
 ORIGIN TIME: 124: 9: 6:36.720

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	321	33.347	143.8	21	-8	1	30	18	42	0
2	322	32.414	143.4	22	3	1	30	18	42	0
3	323	31.401	143.6	23	--		30	18	42	1
4	324	30.446	143.5	24	-7		30	18	42	1
5	325	29.363	143.4	25	-12		30	18	42	1
6	326	28.429	143.5	26	0	1	30	18	42	0
7	327	27.450	143.4	27	-6	1	30	18	42	0
8	328	26.488	143.3	28	4		30	18	42	1
9	329	25.536	143.3	29	2		30	18	42	1
10	330	24.491	143.0	30	1	1	30	18	42	0
11	331	23.205	142.6	31	--	1	30	18	42	0
12	332	34.309	144.1	32	6		30	18	42	9
13	333	37.124	144.8	33	-10	2	30	18	42	0
14	334	39.117	145.3	34	2	2	30	18	42	0
15	335	41.064	145.7	35	-12	2	30	18	42	0
16	336	35.269	144.5	36	0	1	30	18	42	0
17	337	36.140	144.7	37	8	2	30	18	42	0
18	338	38.137	145.0	38	0	2	30	18	42	0
19	339	40.069	145.5	39	1	2	30	18	42	0
20	340	5.094	147.9	40	2	3	30	18	42	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 1 TEAM 4  
 ORIGIN TIME: 124: 9: 6:36.720

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	361	61.332	147.6	61	6	1	30	18	42	0
2	362	62.298	147.7	62	-5		30	18	42	1
3	363	63.262	147.7	63	3	2	30	18	42	12/21
4	364	64.215	147.8	64	4	2	30	18	42	0
5	365	65.148	147.8	65	3	2	30	18	42	12
6	366	66.071	147.9	66	0	2	30	18	42	12
7	367	67.177	147.9	67	-6	1	30	18	42	12/21
8	368	67.967	147.9	68	-22	1	30	18	42	12/21
9	369	69.079	147.7	69	1	2	30	18	42	12
10	370	70.023	147.5	70	9	2	30	18	42	0/12
11	371	70.969	147.4	71	-6	2	30	18	42	0/12
12	372	71.661	147.3	72	7	2	30	18	42	12
13	373	72.600	147.1	73	-2	2	30	18	42	12
14	374	73.584	146.9	74	-3	2	30	18	42	12
15	375	74.515	146.8	75	5	2	30	18	42	12
16	376	75.473	146.6	76	-4	1	30	18	42	12
17	377	76.436	146.5	77	2	1	30	18	42	12
18	378	77.153	146.3	78	1	1	30	18	42	12/21
19	379	78.266	146.2	79	-3	1	30	18	42	12/21
20	380	79.164	146.0	80	5	2	30	18	42	21

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 1 TEAM 5  
 ORIGIN TIME: 124: 9: 6:36.720

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	381	7.343	153.2	81	-18	3	36	18	62	0
2	382	8.262	150.7	82	-2		36	18	62	17
3	383	9.182	149.3	83	7	3	36	18	62	0
4	384	10.125	147.9	84	26	3	36	18	62	0
5	385	11.058	146.4	85	-10	3	36	18	62	0
6	386	11.864	145.7	86	0	3	36	18	62	0
7	387	12.788	144.8	87	3		36	18	62	17
8	388	13.733	144.2	88	9	1	36	18	62	0
9	389	14.691	143.6	89	4	1	36	18	62	0
10	390	15.654	143.1	90	3		36	18	62	17
11	391	16.604	142.6	91	2	1	36	18	62	0
12	392	17.695	142.2	92	3	2	36	18	62	21
13	393	18.665	141.7	93	0	1	36	18	62	0
14	394	19.590	141.3	94	6	1	36	18	62	0
15	395	20.528	141.7	95	9	1	36	18	62	0
16	396	21.487	142.1	96	-7	1	36	18	62	0
17	397	22.457	142.4	97	2	1	36	18	62	12
18	398	23.416	142.7	98	-2	1	36	18	62	0
19	399	24.390	143.1	99	7		36	18	62	6
20	400	25.358	143.3	100	4	1	36	18	62	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 2 TEAM 1  
 ORIGIN TIME: 124: 9: 7:40.480

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	301	18.486	346.8	1	6	3	30	18	62	0
2	302	17.553	346.3	2	-16	3	30	18	62	0
3	303	16.924	345.9	3	5	3	30	18	62	0
4	304	16.167	345.2	4	-53	3	30	13	62	0
5	305	15.351	344.4	5	22		30	18	62	2
6	306	14.565	343.5	6	3	2	30	18	62	0
7	307	13.752	342.4	7	-6	3	30	18	62	0
8	308	14.003	339.2	8	31	2	30	18	62	0
9	309	13.362	336.5	9	8	3	30	18	62	0
10	310	12.647	335.1	10	3	3	30	18	62	0
11	311	12.132	331.1	11	13	3	30	18	62	0
12	312			12	61		30	18	62	1
13	313	10.764	327.1	13	-5	3	30	18	62	0
14	314	9.650	328.7	14	34	3	30	18	62	0
15	315	8.484	331.1	15	2	3	30	18	62	0
16	316	7.605	328.8	16	10	3	30	18	62	0
17	317	6.037	326.8	17	18	3	30	18	62	0
18	318	5.106	321.5	18	-2	3	30	18	62	0
19	319	4.158	310.3	19	-4	3	30	18	62	0
20	320	3.036	308.3	20	1	3	30	18	62	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 1 TEAM 6  
 ORIGIN TIME: 124: 9: 6:36.720

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	401	79.882	145.9	101	7		36	18	42	2
2	402	80.710	145.8	102	2		36	18	42	2
3	403	81.562	145.7	103	1	2	36	18	42	12
4	404	82.422	145.8	104	0		36	18	42	2
5	405	83.291	145.8	105	8	2	36	18	42	0
6	406	84.151	145.9	106	-4		36	18	42	2
7	407	85.017	145.9	107	-18		36	18	42	6
8	408	85.957	145.9	108	4	2	36	18	42	0
9	409	86.870	146.0	109	0	1	36	18	42	0
10	410	87.750	146.0	110	9	1	36	18	42	0
11	411	88.646	146.0	111	9	3	36	18	42	0
12	412	89.590	146.0	112	-2		36	18	42	12
13	413	90.475	146.0	113	-2		36	18	42	12
14	414	91.399	145.9	114	-3		36	18	42	12
15	415	92.232	145.9	115	1		36	18	42	12
16	416	93.222	146.0	116	7	3	36	18	42	0
17	417	94.087	146.0	117	-7	3	36	18	42	0
18	418	94.946	146.1	118	0	3	36	18	42	0
19	419	95.815	146.2	119	0	3	36	18	42	0
20	420	96.673	146.2	120	1		36	18	42	12

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 2 TEAM 2  
 ORIGIN TIME: 124: 9: 7:40.480

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	321	27.097	145.3	21	-8	3	30	18	42	0
2	322	26.158	144.9	22	3	3	30	18	42	0
3	323	25.149	145.3	23	--		30	18	42	6
4	324	24.193	145.2	24	-7		30	18	42	2
5	325	23.109	145.2	25	-12		30	18	42	1
6	326	22.177	145.3	26	0	3	30	18	42	0
7	327	21.198	145.4	27	-6	3	30	18	42	0
8	328	20.233	145.3	28	4		30	18	42	1
9	329	19.283	145.4	29	2		30	18	42	2
10	330	18.233	145.1	30	1	3	30	18	42	0
11	331	16.942	144.7	31	--		30	18	42	1
12	332	28.063	145.7	32	6	3	30	18	42	6
13	333	30.891	146.4	33	-10	1	30	18	42	0
14	334	32.892	146.9	34	2	1	30	18	42	0
15	335	34.846	147.3	35	-12	3	30	18	42	0
16	336	29.030	146.1	36	0	3	30	18	42	0
17	337	29.905	146.4	37	8	3	30	18	42	0
18	338	31.906	146.6	38	0	3	30	18	42	0
19	339	33.846	147.1	39	1	1	30	18	42	0
20	340	1.610	279.7	40	2	3	30	18	42	0



DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 2 TEAM 3  
ORIGIN TIME: 124: 9: 7:40.480

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	341	35.984	147.6	41	4	1	30	18	42	0
2	342	36.964	147.8	42	3	1	30	18	42	6
3	343	37.898	147.8	43	-7	1	30	18	42	0
4	344	38.828	147.7	44	-12	1	30	18	42	0
5	345	39.872	147.7	45	1	3	30	18	42	0
6	346	40.919	147.9	46	-25	1	30	18	42	0
7	347	41.723	148.0	47	3	3	30	18	42	2
8	348	42.594	148.1	48	-17	3	30	18	42	0
9	349	43.439	148.2	49	4	1	30	18	42	0
10	350	44.534	148.3	50	-2	3	30	18	42	0
11	351	45.582	148.5	51	4	1	30	18	42	0
12	352	46.526	148.5	52	-3	1	30	18	42	0
13	353	47.460	148.4	53	2	1	30	18	42	0
14	354	48.385	148.4	54	-5	3	30	18	42	0
15	355	49.914	148.5	55	-4	1	30	18	42	0
16	356	50.350	148.6	56	3	1	30	18	42	0
17	357	51.277	148.6	57	-25	3	30	18	42	2
18	358	52.240	148.7	58	0	3	30	18	42	0
19	359	53.205	148.8	59	0	1	30	18	42	0
20	360	54.176	148.8	60	-3	1	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 2 TEAM 5  
ORIGIN TIME: 124: 9: 7:40.480

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	381	2.186	207.0	81	-18	3	36	18	62	12
2	382	2.614	185.8	82	-2		36	18	62	2
3	383	3.314	173.4	83	7	3	36	18	62	0
4	384	4.114	164.8	84	26	3	36	18	62	0
5	385	4.949	158.5	85	-10	3	36	18	62	0
6	386	5.714	155.4	86	0	3	36	18	62	0
7	387	6.601	152.4	87	3	3	36	18	62	9
8	388	7.522	150.3	88	9	3	36	18	62	0
9	389	8.461	148.6	89	4	3	36	18	62	0
10	390	9.409	147.2	90	4	3	36	18	62	0
11	391	10.349	146.1	91	2	3	36	18	62	0
12	392	11.432	145.2	92	3	3	36	18	62	21
13	393	12.393	144.1	93	0	3	36	18	62	0
14	394	13.312	143.4	94	6	3	36	18	62	0
15	395	14.254	143.8	95	9	3	36	18	62	0
16	396	15.217	144.2	96	-7	3	36	18	62	0
17	397	16.193	144.6	97	2	3	36	18	62	0
18	398	17.155	144.9	98	-2	3	36	18	62	0
19	399	18.134	145.2	99	7	3	36	18	62	17
20	400	19.104	145.4	100	4	1	36	18	62	0

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 2 TEAM 4  
ORIGIN TIME: 124: 9: 7:40.480

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	361	55.147	148.8	61	6	3	30	18	42	0
2	362	56.115	148.9	62	-5	3	30	18	42	1
3	363	57.079	148.9	63	3	1	30	18	42	0
4	364	58.033	148.9	64	4	1	30	18	42	0
5	365	58.967	149.0	65	3	1	30	18	42	0
6	366	59.891	149.0	66	0	1	30	18	42	0
7	367	60.998	149.0	67	-6	3	30	18	42	0
8	368	61.788	149.1	68	-22	3	30	18	42	0
9	369	62.895	148.8	69	1	3	30	18	42	0
10	370	63.834	148.6	70	9	3	30	18	42	0
11	371	64.777	148.4	71	-6	1	30	18	42	0
12	372	65.466	148.2	72	7	1	30	18	42	0
13	373	66.401	148.0	73	-2	1	30	18	42	0
14	374	67.381	147.9	74	-3	3	30	18	42	0
15	375	68.309	147.7	75	5	1	30	18	42	0
16	376	69.264	147.5	76	-4	3	30	18	42	0
17	377	70.224	147.3	77	2	3	30	18	42	0
18	378	70.938	147.2	78	1	3	30	18	42	0
19	379	72.049	147.0	79	-3	1	30	18	42	0
20	380	72.944	146.8	80	5		30	18	42	2

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 2 TEAM 6  
ORIGIN TIME: 124: 9: 7:40.480

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	401	73.660	146.7	101	7	2	36	18	42	12
2	402	74.427	146.6	102	2		36	18	42	6
3	403	75.276	146.5	103	1	1	36	18	42	12
4	404	76.137	146.5	104	0	3	36	18	42	12
5	405	77.005	146.6	105	8		36	18	42	12
6	406	77.865	146.6	106	-4		36	18	42	12
7	407	78.731	146.6	107	-18	1	36	18	42	6
8	408	79.671	146.7	108	4	1	36	18	42	12
9	409	80.647	146.7	109	0	1	36	18	42	12
10	410	81.527	146.7	110	9	1	36	18	42	12
11	411	82.423	146.7	111	9	3	36	18	42	12
12	412	83.367	146.7	112	-2		36	18	42	12
13	413	84.252	146.6	113	-2		36	18	42	12
14	414	85.175	146.6	114	-3		36	18	42	12
15	415	86.067	146.5	115	1	1	36	18	42	17
16	416	86.999	146.6	116	7	3	36	18	42	12
17	417	87.864	146.7	117	-7	3	36	18	42	12
18	418	88.724	146.8	118	0		36	18	42	12
19	419	89.595	146.8	119	0	3	36	18	42	12
20	420	90.454	146.9	120	1		36	18	42	12

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 3 TEAM 3  
ORIGIN TIME: 124: 9: 9:13.700

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	341	49.150	149.5	41	4	1	30	18	42	0
2	342	50.133	149.6	42	3	3	30	18	42	0
3	343	51.068	149.6	43	-7	2	30	18	42	0
4	344	51.996	149.5	44	-12	2	30	18	42	0
5	345	53.038	149.5	45	1	2	30	18	42	0
6	346	54.089	149.6	46	-25	2	30	18	42	0
7	347	54.895	149.6	47	3	2	30	18	42	21
8	348	55.768	149.7	48	-17	2	30	18	42	0
9	349	56.615	149.8	49	4	2	30	18	42	0
10	350	57.712	149.8	50	-2	2	30	18	42	0
11	351	58.762	149.9	51	4	2	30	18	42	0
12	352	59.707	149.9	52	-3	2	30	18	42	0
13	353	60.637	149.8	53	2	1	30	18	42	0
14	354	61.564	149.8	54	-5	1	30	18	42	0
15	355	63.093	149.8	55	-4	1	30	18	42	0
16	356	63.530	149.9	56	3	2	30	18	42	0
17	357	64.459	149.9	57	-25	2	30	18	42	2
18	358	65.423	149.9	58	0	2	30	18	42	12
19	359	66.388	150.0	59	0	2	30	18	42	0
20	360	67.361	150.0	60	-3	2	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 3 TEAM 1  
ORIGIN TIME: 124: 9: 9:13.700

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	301	6.185	13.4	1	6	3	30	18	62	0
2	302	5.288	16.4	2	-16	3	30	18	62	0
3	303	4.680	18.8	3	5	3	30	18	62	0
4	304	3.952	22.6	4	-53	3	30	18	62	0
5	305	3.189	28.4	5	22	3	30	18	62	2
6	306	2.486	37.1	6	3	3	30	18	62	2
7	307	1.868	52.9	7	-6	3	30	18	62	0
8	308	1.295	31.2	8	31	3	30	18	62	2
9	309	0.422	49.5	9	8	3	30	18	62	0
10	310	0.601	148.6	10	3	3	30	18	62	0
11	311	1.375	189.0	11	13	3	30	18	62	0
12	312			12	61	3	30	18	62	1
13	313	2.948	183.9	13	-5	3	30	18	62	0
14	314	3.792	170.5	14	34	3	30	18	62	0
15	315	4.810	161.4	15	2	3	30	18	62	0
16	316	5.736	162.7	16	10	3	30	18	62	0
17	317	7.314	161.3	17	18	3	30	18	62	0
18	318	8.360	162.9	18	-2	3	30	18	62	0
19	319	9.617	165.1	19	-4	3	30	18	62	0
20	320	10.614	162.1	20	1	3	30	18	62	0

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 3 TEAM 4  
ORIGIN TIME: 124: 9: 9:13.700

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	361	68.332	150.0	61	6	1	30	18	42	12
2	362	69.301	150.0	62	-5	1	30	18	42	1
3	363	70.265	150.0	63	3	3	30	18	42	12
4	364	71.219	150.0	64	4	1	30	18	42	12
5	365	72.154	150.1	65	3	2	30	18	42	0
6	366	73.078	150.1	66	0	2	30	18	42	12
7	367	74.185	150.1	67	-6	1	30	18	42	12/21
8	368	74.976	150.1	68	-22	1	30	18	42	12
9	369	76.077	149.8	69	1	1	30	18	42	12
10	370	77.012	149.7	70	9	1	30	18	42	0
11	371	77.950	149.5	71	-6	1	30	18	42	0
12	372	78.635	149.4	72	7	1	30	18	42	12
13	373	79.565	149.2	73	-2	2	30	18	42	12
14	374	80.617	149.0	74	-3	2	30	18	42	12
15	375	81.541	148.8	75	5	2	30	18	42	12
16	376	82.491	148.7	76	-4	1	30	18	42	12/21
17	377	83.446	148.5	77	2	1	30	18	42	12
18	378	84.156	148.4	78	1	1	30	18	42	12
19	379	85.261	148.2	79	-3	1	30	18	42	12
20	380	86.152	148.1	80	5	1	30	18	42	2

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 3 TEAM 2  
ORIGIN TIME: 124: 9: 9:13.700

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	321	40.219	148.4	21	-8	1	30	18	42	0
2	322	39.271	148.3	22	3	2	30	18	42	0
3	323	38.273	148.6	23	--		30	18	42	17
4	324	37.316	148.6	24	-7		30	18	42	17
5	325	36.235	148.7	25	-12		30	18	42	1
6	326	35.306	148.9	26	0	2	30	18	42	0
7	327	34.331	149.0	27	-6	1	30	18	42	0
8	328	33.366	149.0	28	4		30	18	42	1
9	329	32.422	149.2	29	2		30	18	42	17
10	330	31.366	149.2	30	1	1	30	18	42	0
11	331	30.070	149.1	31	--		30	18	42	0
12	332	41.192	148.6	32	6		30	18	42	17
13	333	44.034	148.9	33	-10	2	30	18	42	0
14	334	46.045	149.2	34	2	2	30	18	42	0
15	335	48.008	149.4	35	-12	2	30	18	42	0
16	336	42.168	148.8	36	0	1	30	18	42	0
17	337	43.048	148.9	37	8	2	30	18	42	0
18	338	45.053	149.0	38	0	2	30	18	42	0
19	339	47.002	149.2	39	1	2	30	18	42	0
20	340	12.393	160.9	40	2	3	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 3 TEAM 5  
 ORIGIN TIME: 124: 9: 9:13.700

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	381	14.687	161.5	81	-18	3	36	18	62	0
2	382	15.544	159.8	82	-2		36	18	62	17
3	383	16.419	158.5	83	7	3	36	18	62	0
4	384	17.311	157.2	84	26	3	36	18	62	0
5	385	18.186	155.8	85	-10	3	36	18	62	0
6	386	18.959	155.0	86	0	3	36	18	62	0
7	387	19.842	154.0	87	3	3	36	18	62	17
8	388	20.751	153.2	88	9	3	36	18	62	0
9	389	21.675	152.4	89	4	1	36	18	62	0
10	390	22.605	151.6	90	4	1	36	18	62	0
11	391	23.526	151.0	91	2	1	36	18	62	0
12	392	24.589	150.3	92	3	3	36	18	62	2
13	393	25.526	149.6	93	0	1	36	18	62	0
14	394	26.425	149.1	94	6	1	36	18	62	0
15	395	27.371	149.1	95	-7	1	36	18	62	0
16	396	28.340	149.1	96	-9	1	36	18	62	0
17	397	29.320	149.2	97	2	1	36	18	62	12
18	398	30.287	149.2	98	-2	1	36	18	62	0
19	399	31.271	149.3	99	7	7	36	18	62	17
20	400	32.242	149.2	100	4	1	36	18	62	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 4 TEAM 1  
 ORIGIN TIME: 124: 9: 9:54.590

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	301	11.478	25.9	1	6	3	30	18	62	12
2	302	10.666	28.4	2	-16	3	30	18	62	12
3	303	10.115	30.2	3	5	3	30	18	62	12
4	304	9.452	32.6	4	-53	3	30	18	62	0
5	305	8.754	35.6	5	22	3	30	18	62	6
6	306	8.089	38.9	6	3	1	30	18	62	12
7	307	7.436	43.0	7	-6	3	30	18	62	12
8	308	6.888	38.1	8	31	2	30	18	62	12
9	309	6.020	40.4	9	8	3	30	18	62	12
10	310	5.440	45.7	10	3	3	30	18	62	12
11	311	4.479	48.8	11	13	3	30	18	62	12
12	312			12	61		30	18	62	12
13	313	3.651	68.0	13	-5	3	30	18	62	12
14	314	4.247	82.3	14	34	3	30	18	62	12
15	315	5.127	92.8	15	2	3	30	18	62	12
16	316	5.416	102.5	16	10	3	30	18	62	12
17	317	6.478	113.9	17	18	3	30	18	62	9
18	318	7.077	121.3	18	-2	3	30	18	62	17
19	319	7.845	129.5	19	-4	3	30	18	62	12
20	320	8.967	130.2	20	1	3	30	18	62	12

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 3 TEAM 6  
 ORIGIN TIME: 124: 9: 9:13.700

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	401	86.864	147.9	101	7	1	36	18	42	0
2	402	87.627	147.8	102	2	2	36	18	42	0
3	403	88.474	147.7	103	1	1	36	18	42	0
4	404	89.336	147.7	104	0	1	36	18	42	0/12
5	405	90.207	147.8	105	8	1	36	18	42	0/12
6	406	91.067	147.8	106	-4	3	36	18	42	0
7	407	91.935	147.8	107	-18	1	36	18	42	6
8	408	92.877	147.8	108	4	1	36	18	42	12
9	409	93.792	147.9	109	0	1	36	18	42	0
10	410	94.671	147.8	110	9	1	36	18	42	12
11	411	95.568	147.8	111	9	3	36	18	42	12
12	412	96.510	147.8	112	-2	3	36	18	42	6
13	413	97.393	147.7	113	-2	3	36	18	42	12
14	414	98.314	147.7	114	-3	3	36	18	42	17
15	415	99.205	147.6	115	1	3	36	18	42	12
16	416	100.140	147.7	116	7	3	36	18	42	12
17	417	101.006	147.8	117	-7	3	36	18	42	12
18	418	101.868	147.8	118	0	1	36	18	42	12
19	419	102.740	147.8	119	0	1	36	18	42	17
20	420	103.601	147.9	120	1	3	36	18	42	6

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 4 TEAM 2  
 ORIGIN TIME: 124: 9: 9:54.590

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	321	38.795	140.6	21	-8	2	30	18	42	0
2	322	37.875	140.2	22	3	2	30	18	42	0
3	323	36.856	140.3	23	--		30	18	42	17
4	324	35.906	140.1	24	-7		30	18	42	17
5	325	34.827	139.9	25	-12		30	18	42	1
6	326	33.894	139.9	26	0	2	30	18	42	0
7	327	32.918	139.7	27	-6	2	30	18	42	12
8	328	31.962	139.5	28	4	2	30	18	42	1
9	329	31.011	139.4	29	2		30	18	42	17
10	330	29.979	139.0	30	1	2	30	18	42	0
11	331	28.707	138.5	31	--	1	30	18	42	0
12	332	29.745	140.9	32	6		30	18	42	17
13	333	42.531	141.8	33	-10	2	30	18	42	0
14	334	44.504	142.3	34	2	2	30	18	42	0
15	335	46.434	142.8	35	-12	2	30	18	42	0
16	336	40.631	141.3	36	0	2	30	18	42	0
17	337	41.552	141.6	37	8	2	30	18	42	12
18	338	43.536	142.0	38	0	2	30	18	42	0
19	339	45.449	142.6	39	1	2	30	18	42	12
20	340	10.638	134.1	40	2	1	30	18	42	12

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 4 TEAM 3  
ORIGIN TIME: 124: 9: 9:54.590

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	341	47.555	143.1	41	4	2	30	18	42	0
2	342	48.524	143.4	42	3	3	30	18	42	6
3	343	49.452	143.5	43	-7	2	30	18	42	6
4	344	50.384	143.5	44	-12	2	30	18	42	6
5	345	51.427	143.6	45	1	2	30	18	42	0
6	346	52.464	143.8	46	-25	2	30	18	42	0
7	347	53.260	143.9	47	3	3	30	18	42	6
8	348	54.123	144.1	48	-17	2	30	18	42	0
9	349	54.960	144.2	49	4	2	30	18	42	12
10	350	56.046	144.4	50	-2	2	30	18	42	0
11	351	57.085	144.6	51	4	2	30	18	42	0
12	352	58.024	144.7	52	-3	2	30	18	42	0
13	353	58.965	144.6	53	2	2	30	18	42	0
14	354	59.885	144.7	54	-5	2	30	18	42	0
15	355	61.406	144.9	55	-4	2	30	18	42	6
16	356	61.837	145.0	56	3	2	30	18	42	6
17	357	62.760	145.1	57	-25	0	30	18	42	1
18	358	63.717	145.2	58	0	2	30	18	42	6
19	359	64.677	145.3	59	0	2	30	18	42	6
20	360	65.643	145.4	60	-3	2	30	18	42	6

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 4 TEAM 5  
ORIGIN TIME: 124: 9: 9:54.590

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	381	12.666	139.4	81	-18	3	36	18	62	0
2	382	13.636	138.9	82	-2		36	18	62	17
3	383	14.580	138.8	83	7	1	36	18	62	0
4	384	15.551	138.5	84	26	1	36	18	62	0
5	385	16.514	138.0	85	-10	1	36	18	62	0
6	386	17.332	137.9	86	0	1	36	18	62	0
7	387	18.272	137.8	87	3	1	36	18	62	17
8	388	19.229	137.6	88	9	1	36	18	62	0
9	389	20.195	137.5	89	4	1	36	18	62	0
10	390	21.169	137.4	90	4	1	36	18	62	0
11	391	22.127	137.3	91	2	1	36	18	62	0
12	392	23.224	137.3	92	3	3	36	18	62	2
13	393	24.205	137.0	93	0	1	36	18	62	0
14	394	25.136	136.9	94	6	1	36	18	62	0
15	395	26.063	137.4	95	9	1	36	18	62	0
16	396	27.008	137.8	96	-7	2	36	18	62	0
17	397	27.966	138.3	97	2	1	36	18	62	0
18	398	28.913	138.7	98	-2	1	36	18	62	0
19	399	29.876	139.1	99	7	1	36	18	62	17
20	400	30.835	139.4	100	4	1	36	18	62	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 4 TEAM 4  
ORIGIN TIME: 124: 9: 9:54.590

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	361	66.612	145.5	61	6	1	30	18	42	6
2	362	67.574	145.6	62	-5		30	18	42	17
3	363	68.536	145.6	63	3	1	30	18	42	0
4	364	69.487	145.7	64	4	3	30	18	42	12
5	365	70.417	145.8	65	3	2	30	18	42	6
6	366	71.338	145.8	66	0	2	30	18	42	6
7	367	72.442	145.9	67	-6	1	30	18	42	6
8	368	73.231	145.9	68	-22	3	30	18	42	12
9	369	74.351	145.8	69	1	2	30	18	42	6
10	370	75.301	145.6	70	9	2	30	18	42	0
11	371	76.254	145.5	71	-6	2	30	18	42	0
12	372	76.950	145.4	72	7	2	30	18	42	0
13	373	77.896	145.3	73	-2	2	30	18	42	0
14	374	78.886	145.1	74	-3	2	30	18	42	0
15	375	79.822	145.0	75	5	2	30	18	42	0
16	376	80.840	144.9	76	-4	1	30	18	42	0
17	377	81.808	144.8	77	2	2	30	18	42	12
18	378	82.529	144.7	78	1	1	30	18	42	12
19	379	83.648	144.5	79	-3		30	18	42	12
20	380	84.551	144.4	80	5		30	18	42	12

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 4 TEAM 6  
ORIGIN TIME: 124: 9: 9:54.590

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	401	85.273	144.3	101	7		36	18	42	6
2	402	86.047	144.2	102	2		36	18	42	6
3	403	86.901	144.2	103	1	2	36	18	42	0
4	404	87.759	144.2	104	0	1	36	18	42	0
5	405	88.626	144.3	105	8	1	36	18	42	0
6	406	89.484	144.3	106	-4		36	18	42	6
7	407	90.350	144.4	107	-18		36	18	42	6
8	408	91.287	144.5	108	4	1	36	18	42	0
9	409	92.197	144.5	109	0	1	36	18	42	0
10	410	93.077	144.5	110	9	1	36	18	42	0
11	411	93.972	144.6	111	9	1	36	18	42	6
12	412	94.917	144.6	112	-2		36	18	42	6
13	413	95.803	144.5	113	-2		36	18	42	6
14	414	96.729	144.5	114	-3		36	18	42	6
15	415	97.622	144.5	115	1		36	18	42	6
16	416	98.549	144.6	116	7		36	18	42	6
17	417	99.411	144.7	117	-7	3	36	18	42	0
18	418	100.267	144.7	118	0	1	36	18	42	0
19	419	101.134	144.6	119	0	3	36	18	42	0
20	420	101.990	144.9	120	1		36	18	42	6

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 5 TEAM 1  
ORIGIN TIME: 124: 9:10:30.270

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	301	11.351	19.0	1	6	3	30	18	62	12
2	302	10.484	21.0	2	-16	3	30	18	62	12
3	303	9.894	22.4	3	5	3	30	18	62	0
4	304	9.180	24.3	4	-53	3	30	18	62	0
5	305	8.418	26.7	5	22	3	30	18	62	6
6	306	7.683	29.3	6	3	3	30	18	62	0
7	307	6.945	32.7	7	-6	3	30	18	62	0
8	308	6.522	26.7	8	31	2	30	18	62	0
9	309	5.619	27.4	9	8	3	30	18	62	12
10	310	4.930	31.5	10	3	3	30	18	62	0
11	311	3.934	31.4	11	13	2	30	18	62	12
12	312			12	61		30	18	62	1
13	313	2.723	49.4	13	-5	3	30	18	62	0
14	314	3.050	71.3	14	34	3	30	18	62	0
15	315	3.805	87.6	15	2	3	30	18	62	0
16	316	4.042	100.9	16	10	3	30	18	62	0
17	317	5.110	115.7	17	18	3	30	18	62	0
18	318	5.749	124.7	18	-2	3	30	18	62	0
19	319	6.588	134.0	19	-4	3	30	18	62	9
20	320	7.716	134.3	20	1	3	30	18	62	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 5 TEAM 3  
ORIGIN TIME: 124: 9:10:30.270

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	341	46.444	144.1	41	4	1	30	18	42	0
2	342	47.416	144.4	42	3	1	30	18	42	6
3	343	48.346	144.5	43	-7	1	30	18	42	9
4	344	49.278	144.5	44	-12	3	30	18	42	12
5	345	50.322	144.5	45	1	3	30	18	42	0
6	346	51.362	144.7	46	-25	1	30	18	42	0
7	347	52.159	144.8	47	3	1	30	18	42	6
8	348	53.025	145.0	48	-17	3	30	18	42	0
9	349	53.864	145.1	49	4	3	30	18	42	0
10	350	54.952	145.3	50	-2	3	30	18	42	0
11	351	55.993	145.5	51	4	3	30	18	42	0
12	352	56.934	145.6	52	-3	1	30	18	42	0
13	353	57.874	145.5	53	2	3	30	18	42	0
14	354	58.796	145.6	54	-5	3	30	18	42	0
15	355	60.319	145.7	55	-4	3	30	18	42	0
16	356	60.751	145.8	56	3	3	30	18	42	0
17	357	61.675	145.9	57	-25	0	30	18	42	1
18	358	62.634	146.0	58	0	3	30	18	42	0
19	359	63.595	146.1	59	0	3	30	18	42	0
20	360	64.563	146.2	60	-3	3	30	18	42	0

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 5 TEAM 2  
ORIGIN TIME: 124: 9:10:30.270

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	321	37.649	141.7	21	-9	3	30	18	42	0
2	322	36.724	141.3	22	3	1	30	18	42	0
3	323	35.707	141.5	23	--		30	18	42	17
4	324	34.755	141.3	24	-7		30	18	42	17
5	325	33.674	141.2	25	-12		30	18	42	1
6	326	32.740	141.2	26	0	3	30	18	42	0
7	327	31.762	141.1	27	-6	3	30	18	42	0
8	328	30.804	140.9	28	4		30	18	42	1
9	329	29.852	140.8	29	2		30	18	42	17
10	330	28.815	140.4	30	1	3	30	18	42	12
11	331	27.537	140.0	31	--	3	30	18	42	12
12	332	38.604	142.0	32	6		30	18	42	17
13	333	41.402	142.9	33	-10	1	30	18	42	0
14	334	43.382	143.4	34	-2	1	30	18	42	0
15	335	45.319	143.9	35	-12	1	30	18	42	0
16	336	39.555	142.4	36	0	3	30	18	42	12
17	337	40.420	142.7	37	8	3	30	18	42	9
18	338	42.409	143.1	38	0		30	18	42	17
19	339	44.329	143.6	39	1	1	30	18	42	9
20	340	9.428	137.9	40	2	3	30	18	42	0

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 5 TEAM 4  
ORIGIN TIME: 124: 9:10:30.270

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	361	65.532	146.2	61	6	3	30	18	42	0
2	362	66.496	146.3	62	-5		30	18	42	17
3	363	67.458	146.4	63	3	3	30	18	42	0
4	364	68.410	146.4	64	4	3	30	18	42	0
5	365	69.342	146.5	65	3	3	30	18	42	0
6	366	70.264	146.5	66	0	3	30	18	42	0
7	367	71.369	146.6	67	-6	3	30	18	42	0
8	368	72.158	146.6	68	-22	3	30	18	42	0
9	369	73.276	146.4	69	1	3	30	18	42	0
10	370	74.223	146.3	70	9	3	30	18	42	0
11	371	75.174	146.2	71	-6	1	30	18	42	0
12	372	75.869	146.0	72	7	1	30	18	42	0
13	373	76.812	145.9	73	-2	3	30	18	42	0
14	374	77.800	145.8	74	-3	3	30	18	42	0
15	375	78.735	145.6	75	5	1	30	18	42	0
16	376	79.637	145.5	76	-4	1	30	18	42	0
17	377	80.720	145.4	77	2	1	30	18	42	0
18	378	81.439	145.3	78	1	3	30	18	42	0
19	379	82.556	145.1	79	-3	1	30	18	42	0
20	380	83.457	145.0	80	5		30	18	42	2

## DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 5 TEAM 5  
ORIGIN TIME: 124: 9:10:30.270

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	381	11.523	143.1	81	-18	3	36	18	62	0
2	382	12.483	142.2	82	-2	3	36	18	62	17
3	383	13.424	141.9	83	7	3	36	18	62	0
4	384	14.389	141.4	84	26	3	36	18	62	0
5	385	15.345	140.7	85	-10	3	36	18	62	0
6	386	16.161	140.5	86	0	3	36	18	62	0
7	387	17.098	140.1	87	3	3	36	18	62	17
8	388	18.052	139.9	88	9	3	36	18	62	0
9	389	19.017	139.6	89	4	3	36	18	62	0
10	390	19.988	139.4	90	4	3	36	18	62	0
11	391	20.944	139.2	91	2	3	36	18	62	0
12	392	22.040	139.1	92	3	3	36	18	62	2
13	393	23.018	138.8	93	0	3	36	18	62	0
14	394	23.947	138.6	94	6	3	36	18	62	0
15	395	24.879	139.0	95	9	3	36	18	62	0
16	396	25.830	139.4	96	-7	3	36	18	62	0
17	397	26.793	139.8	97	2	3	36	18	62	0
18	398	27.745	140.2	98	-2	3	36	18	62	0
19	399	28.712	140.5	99	7	3	36	18	62	17
20	400	29.675	140.8	100	4	3	36	18	62	0

## DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 6 TEAM 1  
ORIGIN TIME: 124: 9:41: 7.950

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	301	13.776	355.3	1	6	3	30	18	62	0
2	302	12.829	355.2	2	-17	3	30	18	62	0
3	303	12.187	355.0	3	5	3	30	18	62	0
4	304	11.410	354.7	4	-56	2	30	18	62	12
5	305	10.568	354.3	5	23	3	30	18	62	2
6	306	9.752	353.7	6	3	3	30	18	62	0
7	307	8.904	353.1	7	-7	1	30	18	62	0
8	308	9.021	347.9	8	32	2	30	18	62	0
9	309	8.295	344.3	9	8	1	30	18	62	0
10	310	7.543	342.6	10	3	2	30	18	62	0
11	311	6.936	336.4	11	14	2	30	18	62	0
12	312			12	64		30	18	62	1
13	313	5.513	329.9	13	-5	3	30	18	62	0
14	314	4.421	334.0	14	35	3	30	18	62	0
15	315	3.317	341.9	15	2	3	30	18	62	0
16	316	2.395	338.9	16	10	3	30	18	62	2
17	317	0.814	343.9	17	18	3	30	18	62	0
18	318	0.298	200.8	18	-3	3	30	18	62	1
19	319	1.585	183.4	19	-4	3	30	18	62	0
20	320	2.488	163.8	20	1	3	30	18	62	0

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 5 TEAM 6  
ORIGIN TIME: 124: 9:10:30.270

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	401	84.178	144.9	101	7	3	36	18	42	2
2	402	84.950	144.8	102	2	2	36	18	42	0
3	403	85.803	144.7	103	1	1	36	18	42	0
4	404	86.663	144.8	104	0	3	36	18	42	0
5	405	87.530	144.9	105	8	3	36	18	42	0
6	406	88.389	144.9	106	-4		36	18	42	2
7	407	89.255	144.9	107	-18		36	18	42	2
8	408	90.194	145.0	108	4	1	36	18	42	0
9	409	91.104	145.1	109	0	1	36	18	42	0
10	410	91.984	145.1	110	9	3	36	18	42	0
11	411	92.879	145.1	111	9	3	36	18	42	0
12	412	93.824	145.1	112	-2		36	18	42	2
13	413	94.711	145.0	113	-2		36	18	42	2
14	414	95.635	145.0	114	-3		36	18	42	2
15	415	96.529	145.0	115	1		36	18	42	2
16	416	97.457	145.1	116	7	3	36	18	42	0
17	417	98.320	145.2	117	-7	3	36	18	42	0
18	418	99.177	145.2	118	0	3	36	18	42	0
19	419	100.045	145.3	119	0	3	36	18	42	0
20	420	100.901	145.4	120	1		36	18	42	2

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 6 TEAM 2  
ORIGIN TIME: 124: 9:41: 7.950

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	321	32.360	145.2	21	-9	1	30	18	42	0
2	322	31.422	144.8	22	3	1	30	18	42	0
3	323	30.413	145.1	23	--		30	18	42	17
4	324	29.456	145.0	24	-7		30	18	42	17
5	325	28.373	145.0	25	-12		30	18	42	1
6	326	27.440	145.1	26	0	1	30	18	42	0
7	327	26.461	145.1	27	-6	3	30	18	42	0
8	328	25.497	145.0	28	4		30	18	42	1
9	329	24.547	145.2	29	2		30	18	42	17
10	330	23.497	144.9	30	2	3	30	18	42	0
11	331	22.206	144.6	31	--		30	18	42	0
12	332	33.326	145.4	32	6		30	18	42	17
13	333	36.151	146.1	33	-11	2	30	18	42	0
14	334	38.151	146.5	34	2		30	18	42	0
15	335	40.104	146.9	35	-12	2	30	18	42	0
16	336	34.292	145.8	36	0		30	18	42	17
17	337	35.166	146.0	37	9	1	30	18	42	0
18	338	37.166	146.3	38	0	2	30	18	42	12
19	339	39.105	146.7	39	1	2	30	18	42	12
20	340	4.267	159.6	40	2	3	30	18	42	12

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 6 TEAM 3  
ORIGIN TIME: 124: 9:41: 7.950

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	341	41.240	147.2	41	5	1	30	18 42	0	0
2	342	42.219	147.3	42	3	1	30	18 42	0	0
3	343	43.153	147.4	43	-7	2	30	18 42	0	0
4	344	44.083	147.3	44	-13	1	30	18 42	0	0
5	345	45.127	147.3	45	1	1	30	18 42	0	0
6	346	46.175	147.5	46	-26	1	30	18 42	0	0
7	347	46.977	147.6	47	3	3	30	18 42	6	6
8	348	47.848	147.7	48	-17	2	30	18 42	0	0
9	349	48.692	147.8	49	5	2	30	18 42	0	0
10	350	49.786	147.9	50	-2	2	30	18 42	0	0
11	351	50.834	148.0	51	4	1	30	18 42	0	0
12	352	51.778	148.1	52	-3	1	30	18 42	0	0
13	353	52.712	147.9	53	2	1	30	18 42	0	0
14	354	53.637	148.0	54	-6	1	30	18 42	0	0
15	355	55.165	148.1	55	-4	1	30	18 42	0	0
16	356	55.601	148.2	56	3	1	30	18 42	0	0
17	357	56.528	148.2	57	-26	0	30	18 42	17	17
18	358	57.490	148.3	58	0	1	30	18 42	0	0
19	359	58.454	148.4	59	0	1	30	18 42	0	0
20	360	59.426	148.4	60	-3	1	30	18 42	0	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 6 TEAM 5  
ORIGIN TIME: 124: 9:41: 7.950

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	381	6.560	161.5	81	-18	3	36	18 62	0	0
2	382	7.425	157.8	82	-2		36	18 62	17	17
3	383	8.316	155.4	83	7	3	36	18 62	0	0
4	384	9.230	153.3	84	27	3	36	18 62	0	0
5	385	10.134	151.2	85	-10	3	36	18 62	0	0
6	386	10.926	150.0	86	0	3	36	18 62	0	0
7	387	11.835	148.8	87	3	3	36	18 62	17	17
8	388	12.769	147.8	88	10	3	36	18 62	0	0
9	389	13.715	146.9	89	4	3	36	18 62	0	0
10	390	14.669	146.1	90	4	3	36	18 62	0	0
11	391	15.611	145.5	91	2	1	36	18 62	0	0
12	392	16.695	144.9	92	3	1	36	18 62	2	2
13	393	17.657	144.2	93	0	1	36	18 62	0	0
14	394	18.576	143.7	94	6	1	36	18 62	0	0
15	395	19.518	143.9	95	10	3	36	18 62	0	0
16	396	20.481	144.2	96	-7	1	36	18 62	0	0
17	397	21.456	144.5	97	3	3	36	18 62	0	0
18	398	22.419	144.7	98	-2	3	36	18 62	0	0
19	399	23.398	145.0	99	8	3	36	18 62	17	17
20	400	24.368	145.1	100	5	1	36	18 62	0	0

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 6 TEAM 4  
ORIGIN TIME: 124: 9:41: 7.950

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	361	60.396	148.4	61	6	1	30	18 42	0	0
2	362	61.363	148.5	62	-5		30	18 42	17	17
3	363	62.328	148.5	63	4	3	30	18 42	12	12
4	364	63.281	148.6	64	4	1	30	18 42	12	12
5	365	64.215	148.6	65	3	1	30	18 42	0	0
6	366	65.139	148.6	66	0	2	30	18 42	0	0
7	367	66.245	148.7	67	-6	1	30	18 42	12	12
8	368	67.036	148.7	68	-23	3	30	18 42	12	12
9	369	68.145	148.4	69	2	1	30	18 42	12	12
10	370	69.085	148.3	70	10	2	30	18 42	12	12
11	371	70.029	148.1	71	-6	2	30	18 42	12	12
12	372	70.718	147.9	72	7	2	30	18 42	12	12
13	373	71.655	147.8	73	-2	2	30	18 42	12	12
14	374	72.636	147.6	74	-3	2	30	18 42	12	12
15	375	73.565	147.4	75	6	2	30	18 42	12	12
16	376	74.521	147.3	76	-4	1	30	18 42	12	12
17	377	75.482	147.1	77	2	1	30	18 42	12/12	12/12
18	378	76.196	147.0	78	1	3	30	18 42	12/12	12/12
19	379	77.308	146.8	79	-3	1	30	18 42	12/6	12/6
20	380	78.203	146.7	80	5		30	18 42	6	6

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 6 TEAM 6  
ORIGIN TIME: 124: 9:41: 7.950

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	401	78.920	146.5	101	8		36	18 42	6	6
2	402	79.687	146.4	102	2		36	18 42	2	2
3	403	80.599	146.3	103	1	2	36	18 42	0	0
4	404	81.460	146.4	104	0	1	36	18 42	0	0
5	405	82.329	146.4	105	8	2	36	18 42	0	0
6	406	83.189	146.4	106	-4		36	18 42	2	2
7	407	84.056	146.5	107	-19		36	18 42	2	2
8	408	84.997	146.5	108	5	1	36	18 42	0	0
9	409	85.910	146.6	109	0	1	36	18 42	0	0
10	410	86.790	146.6	110	9	1	36	18 42	0	0
11	411	87.686	146.6	111	10	1	36	18 42	0	0
12	412	88.630	146.5	112	-2		36	18 42	2	2
13	413	89.515	146.5	113	-2		36	18 42	6	6
14	414	90.438	146.4	114	-3		36	18 42	6	6
15	415	91.330	146.4	115	1		36	18 42	6	6
16	416	92.262	146.5	116	8	3	36	18 42	0	0
17	417	93.127	146.6	117	-7		36	18 42	0	0
18	418	93.987	146.6	118	0	2	36	18 42	0	0
19	419	94.858	146.7	119	0	3	36	18 42	0	0
20	420	95.716	146.7	120	1		36	18 42	2	2

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 7 TEAM 1  
 ORIGIN TIME: 181: 6:45:40.000

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	1101	34.268	323.5	1	17	1	36	18	68	0
2	1102	33.494	324.3	2	-32	1	36	18	68	0
3	1103	32.751	324.0	3	9	1	36	18	68	0
4	1104	32.083	323.8	4	-16	1	36	18	68	0
5	1105	30.733	323.8	5	55	1	36	18	68	25
6	1106	30.248	324.4	6	10	1	36	18	48	1
7	1107	28.693	327.6	7	-20	1	36	18	48	0
8	1108	29.438	325.7	8	83	1	36	18	48	0
9	1109	28.003	328.7	9	15	1	36	18	48	25
10	1110	26.957	329.4	10	-4	3	36	18	48	0
11	1111	26.036	329.7	11	68	3	36	18	48	17
12	1112	25.400	330.6	12	7	3	36	18	48	0
13	1113	24.948	329.8	13	21	3	36	18	48	17/ 9
14	1114	24.359	330.4	14	85	3	36	18	48	0
15	1115	23.843	331.5	15	1	3	36	18	48	0
16				16	--					20
17	1117	23.192	332.9	17	43	3	36	18	48	0
18	1118	22.564	331.9	18	4	1	36	18	48	0
19	1119	21.776	330.7	19	43	3	36	18	48	0
20	1120	20.990	330.0	20	14	3	36	18	48	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 7 TEAM 3  
 ORIGIN TIME: 181: 6:45:40.000

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	1141	4.830	309.4	41	--		36	18	48	6
2	1142	5.875	310.7	42	4	3	36	18	48	0
3	1143	6.639	311.5	43	-27	3	36	18	48	0
4	1144	7.314	317.0	44	-27	3	36	18	48	0
5	1145	8.270	315.0	45	3	3	36	18	48	0
6	1146	9.262	314.8	46	-72	3	36	18	48	0
7	1147	10.237	316.4	47	26	3	36	18	48	0
8	1148	11.059	316.3	48	-55	3	36	18	48	0
9	1149	11.911	318.1	49	3	1	36	18	68	0
10	1150	12.738	317.0	50	0	1	36	18	68	0
11	1151	13.559	318.7	51	17	0	36	18	68	0
12	1152	14.478	319.7	52	0	1	36	18	88	0
13	1153	15.326	319.5	53	3	1	36	18	88	0
14	1154	16.246	319.5	54	-17	1	36	18	68	0
15	1155	16.841	320.7	55	-9	2	36	18	68	21/25
16	1156	17.576	321.8	56	3	3	36	18	68	0
17	1157	18.368	323.2	57	-53	1	36	18	68	12
18	1158	19.353	324.2	58	-6	3	36	18	48	18
19	1159	20.196	324.4	59	-4	3	36	18	48	0
20	1160	20.158	326.5	60	-8	3	36	18	48	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 7 TEAM 2  
 ORIGIN TIME: 181: 6:45:40.000

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	1121	50.280	146.5	21	-5	1	36	18	68	0
2	1122	49.413	146.4	22	10	1	36	18	68	0
3	1123	48.508	146.3	23	19	1	36	18	68	0
4	1124	47.656	146.1	24	-14	1	36	18	68	0
5	1125	46.798	146.3	25	5	1	36	18	68	0
6	1126	45.919	146.3	26	6	1	36	18	68	0
7	1127	44.759	146.0	27	-13	2	36	18	68	0
8	1128	43.809	145.8	28	10	2	36	18	48	0
9	1129	42.816	145.6	29	12	2	36	18	48	0
10	1130	41.949	145.5	30	5	3	36	18	48	0
11	1131	41.072	145.3	31	9	1	36	18	48	0
12	1132	40.044	145.0	32	1	1	36	18	48	0
13	1133	39.134	144.9	33	10	1	36	18	48	0
14	1134	38.158	144.7	34	5	2	36	18	48	0
15	1135	37.288	144.4	35	-40	1	36	18	48	0
16	1136	36.342	144.1	36	-3	1	36	18	48	17
17	1137	35.487	143.8	37	29	1	36	18	48	0
18	1138			38	--					28
19	1139	33.618	143.9	39	7	1	36	18	48	0
20	1140	32.636	143.8	40	6	1	36	18	48	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 7 TEAM 4  
 ORIGIN TIME: 181: 6:45:40.000

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	1161	31.864	143.7	61	13	1	36	18	48	0
2	1162	30.885	143.8	62	12	1	36	18	48	0
3	1163	29.961	143.8	63	10	1	36	18	48	0
4	1164	29.079	143.7	64	13	1	36	18	48	25
5	1165	28.187	143.7	65	1	1	36	18	48	0
6	1166	27.315	143.5	66	-4	1	36	18	48	0
7	1167	26.384	143.3	67	-14	1	36	18	48	0
8	1168	25.534	143.0	68	-14	1	36	18	48	0
9	1169	24.568	142.8	69	7	3	36	18	48	0
10	1170	23.639	142.5	70	20	1	36	18	48	0
11	1171	22.766	142.3	71	-9	1	36	18	48	0
12	1172	21.818	142.0	72	17	1	36	18	48	0
13	1173	20.946	142.4	73	-8	1	36	18	48	0
14	1174	20.099	142.9	74	-15	3	36	18	48	0
15	1175	19.236	143.2	75	13	1	36	18	48	0
16	1176	18.316	143.7	76	-10	3	36	18	48	0
17	1177	17.359	144.1	77	2	3	36	18	48	0
18	1178	16.595	144.6	78	3	1	36	18	48	0
19	1179	15.714	145.0	79	17	1	36	18	48	0
20	1180	14.872	145.8	80	14	1	36	18	48	0



DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 7 TEAM 5  
 ORIGIN TIME: 181: 6:45:40.000

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	1181	3.775	306.6	81	-10	3	36	18	48	0
2	1182	2.914	299.4	82	--		36	18	48	17
3	1183	1.860	291.2	83	15	3	36	18	48	0
4	1184	1.356	264.5	84	17	3	36	18	48	0
5	1185	1.196	217.2	85	-48	3	36	18	48	0
6	1186	1.736	184.4	86	-67	3	36	18	48	12
7	1187	2.498	173.4	87	--	3	36	18	48	0
8	1188	3.416	165.1	88	146	3	36	18	48	1
9	1189	4.336	161.3	89	13	3	36	18	48	0
10	1190	5.271	158.1	90	5	3	36	18	48	25
11	1191	6.230	156.2	91	6	3	36	18	48	0
12	1192	7.087	157.1	92	8	3	36	18	48	2
13	1193	7.842	156.2	93	-13	3	36	18	68	0
14	1194	8.674	154.1	94	13	3	36	18	68	0
15	1195	9.525	152.3	95	28	3	36	18	68	0
16	1196	10.398	151.4	96	-28	3	36	18	68	1
17	1197	11.265	149.6	97	10	1	36	18	68	0
18	1198	12.214	148.3	98	18	1	36	18	68	0
19	1199	13.086	147.4	99	7	1	36	18	68	12
20	1200	13.983	146.2	100	11	1	36	18	48	12

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 8 TEAM 1  
 ORIGIN TIME: 127: 6: 5:51.690

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	501	9.975	253.3	1	13	3	30	18	62	0
2	502	9.509	254.8	2	-22	3	30	18	62	12
3	503	8.979	255.5	3	8	3	30	18	62	0
4	504	8.488	255.7	4	-120	3	30	18	62	0
5	505	8.077	257.3	5	45	3	30	18	62	0
6	506	7.544	260.3	6	2	3	30	18	62	0
7	507	7.059	259.7	7	-6	3	30	18	62	0
8	508	6.544	258.9	8	72	2	30	18	62	0
9	509	6.064	258.0	9	19	3	30	18	62	0
10	510	5.587	256.9	10	6	3	30	18	62	0
11	511	5.114	256.0	11	42	3	30	18	62	0
12	512	4.624	254.7	12	7	3	30	18	62	0
13	513	4.105	256.1	13	-8	3	30	18	62	0
14	514	3.610	257.6	14	77	3	30	18	62	0
15	515	3.169	263.7	15	5	3	30	18	62	0
16	516	2.652	263.6	16	21	3	30	18	62	2
17	517	2.155	257.1	17	39	3	30	18	62	0
18	518	1.693	248.1	18	-17	3	30	18	62	0
19	519	1.509	230.6	19	-22	1	30	18	62	0
20	520	1.361	209.7	20	4	3	30	18	62	2

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 7 TEAM 6  
 ORIGIN TIME: 181: 6:45:40.000

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	1201	51.129	146.7	101	19	2	36	18	48	0/12
2	1202	52.074	146.8	102	4	2	36	18	48	0/12
3	1203	53.008	146.9	103	6	2	36	18	48	0/12
4	1204	53.940	147.0	104	0	2	36	18	48	0/12
5	1205	54.815	147.1	105	16	2	36	18	48	0/12
6	1206	55.854	147.0	106	-11	2	36	18	48	1
7	1207	56.734	147.1	107	-72	2	36	18	48	0/12
8	1208	57.645	147.2	108	10	2	36	18	48	2
9	1209	58.548	147.2	109	2	2	36	18	48	0/12
10	1210	59.503	147.3	110	24	1	36	18	48	0/12
11	1211	60.434	147.4	111	8	1	36	18	48	0/12
12	1212	61.322	147.5	112	-3	1	36	18	48	0/12
13	1213	62.225	147.5	113	-7	1	36	18	48	0/12
14	1214	63.102	147.5	114	3	1	36	18	48	0/12
15	1215	64.063	147.7	115	-4	1	36	18	48	0/12
16	1216	64.926	147.7	116	10	2	36	18	48	0/12
17	1217	65.829	147.7	117	9	2	36	18	48	0/12
18	1218	66.779	147.8	118	8	2	36	18	48	8/12
19	1219	67.668	147.8	119	1	2	36	18	48	1
20	1220	68.609	147.9	120	2	2	36	18	48	0/12

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 8 TEAM 2  
 ORIGIN TIME: 127: 6: 5:51.690

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	521	20.207	270.6	21	-5	3	30	18	42	0
2	522	19.541	270.2	22	6	3	30	18	42	0
3	523	19.033	269.2	23	0	3	30	18	42	0
4	524	18.413	268.8	24	-5	3	30	18	42	0
5	525	17.781	269.3	25	-13	1	30	18	42	0
6	526	17.285	268.5	26	1	3	30	18	42	1
7	527	16.785	268.8	27	0	3	30	18	42	0
8	528	16.163	269.5	28	7	3	30	18	42	1
9	529	15.556	268.7	29	5	3	30	18	42	0
10	530	14.991	268.2	30	4	3	30	18	42	0
11	531	14.628	265.2	31	4	3	30	18	42	0
12	532	14.168	264.4	32	8	3	30	18	42	12
13	533	13.722	262.3	33	-9	3	30	18	42	0
14	534	13.378	260.8	34	6	3	30	18	42	0
15	535	12.809	259.6	35	-14	3	30	18	42	0
16	536	12.194	258.1	36	0	3	30	18	42	0
17	537	11.946	256.2	37	14	3	30	18	42	0
18	538	11.366	255.3	38	8	1	30	18	42	12
19	539	10.870	254.6	39	2	1	30	18	42	0
20	540	10.297	253.7	40	5	3	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 8 TEAM 3  
 ORIGIN TIME: 127: 6: 5:51.690

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	541	19.591	93.2	41	7	30	18	42	24	0
2	542	20.544	93.0	42	4	3	30	18	42	0
3	543	21.049	92.9	43	-16	1	30	18	42	0
4	544	21.512	92.9	44	-30	3	30	18	42	0
5	545	22.499	92.8	45	0	2	30	18	42	0
6	546	23.488	92.7	46	-59	1	30	18	42	0
7	547	24.470	92.6	47	5	30	18	42	6	0
8	548	25.396	92.5	48	-39	3	30	18	42	0
9	549	26.381	92.4	49	7	1	30	18	42	0
10	550	27.351	92.3	50	-5	3	30	18	42	6
11	551	28.321	92.2	51	5	3	30	18	42	0
12	552	29.318	92.1	52	-16	3	30	18	42	0
13	553	30.293	92.1	53	3	1	30	18	42	0
14	554	31.276	91.9	54	-15	1	30	18	42	0
15	555	32.259	91.9	55	-11	1	30	18	42	0
16	556	33.236	91.5	56	2	1	30	18	42	17
17	557	34.133	90.0	57	-63	1	30	18	42	0
18	558	35.114	88.5	58	-7	1	30	18	42	0
19	559	36.124	87.0	59	-5	1	30	18	42	0
20	560	37.156	85.6	60	-9	1	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 8 TEAM 5  
 ORIGIN TIME: 127: 6: 5:51.690

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	581	20.663	271.5	81	-37	3	30	18	42	0
2	582	21.085	271.4	82	-3	1	30	18	42	0
3	583	21.504	271.3	83	17	1	30	18	42	0
4	584	22.101	271.1	84	22	3	30	18	42	0
5	585	22.623	271.1	85	-19	3	30	18	42	0
6	586	23.014	271.9	86	2	3	30	18	42	1
7	587	23.472	271.9	87	9	1	30	18	42	0
8	588	23.901	272.3	88	22	3	30	18	42	0
9	589	24.283	273.6	89	10	1	30	18	42	1
10	590	24.837	272.7	90	8	1	30	18	42	0
11	591	25.321	272.5	91	7	1	30	18	42	0
12	592	25.827	272.3	92	9	3	30	18	42	0
13	593	26.348	272.7	93	8	2	30	18	42	6
14	594	26.830	273.3	94	15	1	30	18	42	0
15	595	27.154	274.3	95	22	3	30	18	42	0
16	596	27.637	274.5	96	-11	3	30	18	42	0
17	597	28.077	274.8	97	7	3	30	18	42	0
18	598	28.537	275.4	98	-3	3	30	18	42	0
19	599	29.122	275.5	99	15	1	30	18	42	0
20	600	29.517	275.6	100	12	1	30	18	42	2

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 8 TEAM 4  
 ORIGIN TIME: 127: 6: 5:51.690

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	561	1.217	177.3	61	4	3	30	18	42	0
2	562	1.303	157.2	62	1	3	30	18	42	0
3	563	1.551	138.9	63	2	1	30	18	42	0
4	564	1.871	128.5	64	3	1	30	18	42	0
5	565	2.313	121.0	65	2	2	30	18	42	0
6	566	2.787	115.4	66	0	3	30	18	42	12
7	567	3.184	111.9	67	-6	3	30	18	42	0
8	568	3.612	109.0	68	-5	3	30	18	42	0
9	569	4.130	106.3	69	1	1	30	18	42	0
10	570	4.570	104.8	70	8	1	30	18	42	0
11	571	5.036	103.3	71	-4	3	30	18	42	0
12	572	5.537	102.1	72	6	3	30	18	42	0
13	573	5.969	101.2	73	-3	3	30	18	42	0
14	574	6.459	100.3	74	0	3	30	18	42	0
15	575	6.958	99.5	75	4	3	30	18	42	0
16	576	7.419	98.9	76	-3	3	30	18	42	0
17	577	7.904	98.3	77	2	3	30	18	42	0
18	578	8.387	97.6	78	0	1	30	18	42	0
19	579	8.849	97.2	79	0	1	30	18	42	0
20	580	9.308	96.8	80	5	2	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 8 TEAM 6  
 ORIGIN TIME: 127: 6: 5:51.690

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	601	9.693	96.7	101	10	3	36	18	42	0
2	602	10.062	96.4	102	6	3	36	18	42	0
3	603	10.535	96.1	103	1	3	36	18	42	0
4	604	11.024	95.9	104	1	3	36	18	42	0
5	605	11.488	95.5	105	12	3	36	18	42	0
6	606	11.901	95.3	106	-4	3	36	18	42	6
7	607	12.321	95.1	107	-22	3	36	18	42	0
8	608	12.761	95.0	108	4	3	36	18	42	6
9	609	13.206	94.9	109	4	3	36	18	42	6
10	610	13.658	94.6	110	13	3	36	18	42	0
11	611	14.112	94.5	111	13	3	36	18	42	0
12	612	14.652	94.2	112	0	3	36	18	42	6
13	613	15.083	94.1	113	0	3	36	18	42	0
14	614	15.492	94.0	114	-2	3	36	18	42	0
15	615	15.944	93.9	115	3	3	36	18	42	0
16	616	16.401	93.7	116	7	3	36	18	42	1
17	617	16.855	93.7	117	6	3	36	18	42	0
18	618	17.271	93.6	118	0	3	36	18	42	0
19	619	17.778	93.6	119	0	3	36	18	42	0
20	620	18.098	93.3	120	2	3	36	18	42	6

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 9 TEAM 1  
 ORIGIN TIME: 127: 6: 8:13.100

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	501	9.011	257.3	1	13	1	30	18	62	1
2	502	8.564	259.2	2	-22	1	30	18	62	0
3	503	8.045	260.3	3	8	1	30	18	62	0
4	504	7.538	260.8	4	-120	1	30	18	62	0
5	505	7.171	262.9	5	46	1	30	18	62	0
6	506	6.683	266.7	6	2	1	30	18	62	0
7	507	6.192	266.5	7	-6	1	30	18	62	0
8	508	5.669	266.2	8	72	2	30	18	62	0
9	509	5.181	265.9	9	19	1	30	18	62	0
10	510	4.693	265.4	10	6	1	30	18	62	0
11	511	4.212	265.2	11	42	2	30	18	62	0
12	512	3.711	264.8	12	7	1	30	18	62	0
13	513	3.222	268.2	13	-8	1	30	18	62	0
14	514	2.764	272.3	14	77	2	30	18	62	0
15	515	2.446	282.8	15	5	1	30	18	62	0
16	516	1.963	287.5	16	21	1	30	18	62	6
17	517	1.397	286.9	17	39	2	30	18	62	0
18	518	0.845	287.5	18	-17	1	30	18	62	0
19	519	0.409	260.2	19	-22	1	30	18	62	0
20	520	0.308	163.0	20	4	1	30	18	62	1

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 9 TEAM 3  
 ORIGIN TIME: 127: 6: 8:13.100

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	541	20.327	90.5	41	7	30	18	42	3	3
2	542	21.282	90.5	42	4	1	30	18	42	0
3	543	21.788	90.5	43	-16	1	30	18	42	0
4	544	22.250	90.6	44	-30	2	30	18	42	0
5	545	23.239	90.5	45	0	30	18	42	6	6
6	546	24.228	90.5	46	-59	2	30	18	42	6
7	547	25.212	90.5	47	5	30	18	42	6	6
8	548	26.138	90.5	48	-39	2	30	18	42	6
9	549	27.125	90.5	49	7	2	30	18	42	6
10	550	28.095	90.4	50	-5	2	30	18	42	6
11	551	29.066	90.4	51	5	2	30	18	42	6
12	552	30.065	90.3	52	-16	1	30	18	42	0
13	553	31.040	90.4	53	3	2	30	18	42	0
14	554	32.024	90.3	54	-15	2	30	18	42	0
15	555	33.008	90.3	55	-11	2	30	18	42	0
16	556	33.991	90.0	56	2	2	30	18	42	0
17	557	34.910	88.5	57	-63	2	30	18	42	17
18	558	35.914	87.1	58	-7	2	30	18	42	0
19	559	36.945	85.7	59	-5	2	30	18	42	0
20	560	37.996	84.4	60	-9	2	30	18	42	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 9 TEAM 2  
 ORIGIN TIME: 127: 6: 8:13.100

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	521	19.474	273.3	21	-5	2	30	18	42	0
2	522	18.803	273.0	22	6	2	30	18	42	0
3	523	18.277	271.9	23	0	1	30	18	42	0
4	524	17.653	271.6	24	-5	2	30	18	42	0
5	525	17.030	272.3	25	-13	2	30	18	42	0
6	526	16.521	271.5	26	1	1	30	18	42	1
7	527	16.028	271.9	27	0	1	30	18	42	0
8	528	15.417	272.8	28	7	1	30	18	42	1
9	529	14.799	272.1	29	5	1	30	18	42	0
10	530	14.226	271.6	30	4	3	30	18	42	0
11	531	13.817	268.6	31	4	1	30	18	42	0
12	532	13.346	267.9	32	8	1	30	18	42	6
13	533	12.869	265.8	33	-9	1	30	18	42	0
14	534	12.506	264.3	34	6	1	30	18	42	0
15	535	11.920	263.2	35	-14	1	30	18	42	0
16	536	11.286	261.7	36	0	2	30	18	42	0
17	537	11.013	259.7	37	14	1	30	18	42	6
18	538	10.423	259.0	38	8	2	30	18	42	0
19	539	9.920	256.4	39	2	1	30	18	42	0
20	540	9.337	257.7	40	5	1	30	18	42	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 9 TEAM 4  
 ORIGIN TIME: 127: 6: 8:13.100

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	561	0.885	111.8	61	4	3	30	18	42	0
2	562	1.307	103.9	62	1	3	30	18	42	0
3	563	1.806	98.9	63	2	3	30	18	42	0
4	564	2.246	97.1	64	3	3	30	18	42	0
5	565	2.763	96.3	65	2	2	30	18	42	0
6	566	3.296	95.3	66	0	3	30	18	42	0
7	567	3.731	94.6	67	-6	3	30	18	42	0
8	568	4.130	94.0	68	-5	3	30	18	42	0
9	569	4.737	93.3	69	1	3	30	18	42	0
10	570	5.190	93.1	70	8	3	30	18	42	0
11	571	5.672	92.7	71	-4	3	30	18	42	0
12	572	6.185	92.5	72	6	3	30	18	42	0
13	573	6.626	92.3	73	-3	3	30	18	42	0
14	574	7.124	92.1	74	0	3	30	18	42	0
15	575	7.631	91.9	75	4	3	30	18	42	12
16	576	8.099	91.8	76	-3	3	30	18	42	0
17	577	8.590	91.6	77	2	3	30	18	42	0
18	578	9.081	91.4	78	0	3	30	18	42	2
19	579	9.547	91.3	79	0	1	30	18	42	1
20	580	10.010	91.2	80	5	1	30	18	42	12

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 9 TEAM 5  
 ORIGIN TIME: 127: 6: 8:13.100

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	581	19.943	274.1	81	-37	2	30	18	42	0
2	582	20.364	274.0	82	-3	2	30	18	42	0
3	583	20.782	273.8	83	18	2	30	18	42	0
4	584	21.374	273.5	84	22	2	30	18	42	0
5	585	21.896	273.4	85	-19	2	30	18	42	0
6	586	22.300	274.3	86	2	2	30	18	42	1
7	587	22.758	274.2	87	9	2	30	18	42	0
8	588	23.192	274.6	88	22	2	30	18	42	0
9	589	23.595	275.8	89	10	2	30	18	42	1
10	590	24.135	274.9	90	8	2	30	18	42	0
11	591	24.615	274.6	91	7	2	30	18	42	0
12	592	25.118	274.4	92	9	2	30	18	42	6
13	593	25.644	274.7	93	8	2	30	18	42	6
14	594	26.136	275.3	94	15	2	30	18	42	0
15	595	26.476	276.3	95	22	2	30	18	42	0
16	596	26.963	276.5	96	-11	2	30	18	42	0
17	597	27.408	276.8	97	7	2	30	18	42	0
18	598	27.879	277.4	98	-3	2	30	18	42	0
19	599	28.464	277.4	99	15	2	30	18	42	0
20	600	28.860	277.5	100	12	2	30	18	42	3

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 10 TEAM 1  
 ORIGIN TIME: 127: 6:11:16.410

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	501	14.623	306.7	1	13	1	30	18	62	12
2	502	14.549	308.8	2	-22	1	30	18	62	9
3	503	14.338	310.8	3	8	1	30	18	62	0
4	504	14.086	312.5	4	-120	1	30	18	62	0
5	505	14.061	314.4	5	46	1	30	18	62	0
6	506	14.111	317.1	6	2	1	30	18	62	0
7	507	13.785	318.6	7	-6	2	30	18	62	12
8	508	13.446	320.3	8	72	2	30	18	62	8
9	509	13.143	322.0	9	19	1	30	18	62	0
10	510	12.843	323.7	10	6	1	30	18	62	0
11	511	12.584	325.5	11	42	2	30	18	62	6
12	512	12.323	327.5	12	7	1	30	18	62	0
13	513	12.275	330.0	13	-8	1	30	18	62	0
14	514	12.241	332.3	14	78	1	30	18	62	0
15	515	12.456	334.8	15	5	1	30	18	62	6
16	516	12.291	337.0	16	21	1	30	18	62	1
17	517	11.920	339.1	17	39	1	30	18	62	0
18	518	11.597	341.2	18	-17	2	30	18	62	12
19	519	11.164	342.7	19	-22	2	30	18	62	7
20	520	10.810	344.8	20	4	4	30	18	62	1

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 9 TEAM 6  
 ORIGIN TIME: 127: 6: 8:13.100

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	601	10.395	91.3	101	10	1	36	18	42	12
2	602	10.766	91.2	102	6	2	36	18	42	0
3	603	11.242	91.2	103	1	2	36	18	42	0
4	604	11.734	91.2	104	1	2	36	18	42	0
5	605	12.201	91.0	105	12	2	36	18	42	0
6	606	12.617	91.0	106	-4	2	36	18	42	2
7	607	13.039	90.9	107	-22	1	36	18	42	12
8	608	13.480	90.9	108	4	2	36	18	42	12
9	609	13.925	91.0	109	4	2	36	18	42	17
10	610	14.380	90.9	110	13	1	36	18	42	0
11	611	14.836	90.8	111	13	1	36	18	42	0
12	612	15.378	90.7	112	0	2	36	18	42	12
13	613	15.810	90.7	113	0	2	36	18	42	12
14	614	16.221	90.7	114	-2	2	36	18	42	0
15	615	16.674	90.7	115	3	1	36	18	42	12
16	616	17.132	90.6	116	7	1	36	18	42	1
17	617	17.586	90.6	117	6	1	36	18	42	12
18	618	18.004	90.6	118	0	1	36	18	42	12
19	619	18.510	90.7	119	0	1	36	18	42	12
20	620	19.833	90.6	120	2	1	36	18	42	6

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 10 TEAM 2  
 ORIGIN TIME: 127: 6:11:16.410

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	521	25.313	297.9	21	-5	2	30	18	42	0
2	522	24.664	298.3	22	6	2	30	18	42	0
3	523	24.041	298.1	23	0	2	30	18	42	0
4	524	23.445	298.6	24	-5	2	30	18	42	0
5	525	22.983	299.8	25	-13	2	30	18	42	0
6	526	22.417	299.8	26	1	2	30	18	42	1
7	527	22.048	300.7	27	0	2	30	18	42	0
8	528	21.628	302.1	28	7	2	30	18	42	1
9	529	21.004	302.5	29	5	2	30	18	42	0
10	530	20.449	303.0	30	4	2	30	18	42	0
11	531	19.706	301.8	31	4	2	30	18	42	0
12	532	19.225	302.2	32	8	2	30	18	42	17
13	533	18.550	301.8	33	-9	2	30	18	42	0
14	534	18.062	301.7	34	6	1	30	18	42	0
15	535	17.458	302.2	35	-14	1	30	18	42	12
16	536	16.775	302.8	36	0	1	30	18	42	0
17	537	16.314	302.5	37	14	1	30	18	42	17
18	538	15.793	303.6	38	8	1	30	18	42	0
19	539	15.368	304.6	39	2	1	30	18	42	12
20	540	14.882	305.9	40	5	1	30	18	42	12

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 10 TEAM 3  
 ORIGIN TIME: 127: 6:11:16.410

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	541	20.353	58.8	41	7	30	18	42	3	
2	542	21.178	60.2	42	4	30	18	42	12	
3	543	21.625	60.8	43	-16	2	30	18	42	12
4	544	22.010	61.5	44	-30	2	30	18	42	6
5	545	22.886	62.7	45	0	30	18	42	6	
6	546	23.769	63.8	46	-59	2	30	18	42	6
7	547	24.655	64.8	47	5	30	18	42	6	
8	548	25.496	65.7	48	-40	1	30	18	42	12
9	549	26.399	66.5	49	7	2	30	18	42	6
10	550	27.292	67.4	50	-5	30	18	42	6	
11	551	28.194	68.1	51	5	2	30	18	42	6
12	552	29.140	68.8	52	-16	1	30	18	42	6
13	553	30.039	69.5	53	3	2	30	18	42	6
14	554	30.975	70.1	54	-15	2	30	18	42	6
15	555	31.904	70.7	55	-11	2	30	18	42	6
16	556	32.894	70.9	56	2	3	30	18	42	6
17	557	34.043	70.0	57	-63	2	30	18	42	17
18	558	35.278	69.1	58	-7	2	30	18	42	6
19	559	36.529	68.3	59	-5	2	30	18	42	6
20	560	37.785	67.5	60	-9	2	30	18	42	6

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 10 TEAM 5  
 ORIGIN TIME: 127: 6:11:16.410

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	581	25.857	298.0	81	-37	2	30	18	42	0
2	582	26.226	297.6	82	-3	2	30	18	42	0
3	583	26.591	297.1	83	18	2	30	18	42	0
4	584	27.091	296.4	84	22	2	30	18	42	0
5	585	27.562	295.9	85	-19	2	30	18	42	0
6	586	28.060	296.2	86	2	2	30	18	42	1
7	587	28.475	295.8	87	9	2	30	18	42	0
8	588	28.932	295.8	88	22	2	30	18	42	0
9	589	29.492	296.4	89	10	2	30	18	42	1
10	590	29.859	295.3	90	8	2	30	18	42	0
11	591	30.273	294.8	91	7	2	30	18	42	0
12	592	30.712	294.3	92	9	2	30	18	42	6
13	593	31.254	294.3	93	8	2	30	18	42	6
14	594	31.804	294.4	94	15	2	30	18	42	0
15	595	32.279	295.0	95	22	2	30	18	42	0
16	596	32.764	294.9	96	-11	2	30	18	42	0
17	597	33.235	294.9	97	7	2	30	18	42	0
18	598	33.772	295.1	98	-3	2	30	18	42	0
19	599	34.329	294.8	99	15	2	30	18	42	0
20	600	34.722	294.7	100	12	2	30	18	42	3

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 10 TEAM 4  
 ORIGIN TIME: 127: 6:11:16.410

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	561	10.608	348.6	61	4	30	18	42	0	
2	562	10.543	351.0	62	1	30	18	42	0	
3	563	10.508	353.8	63	2	30	18	42	0	
4	564	10.471	356.2	64	3	30	18	42	0	
5	565	10.423	359.0	65	2	30	18	42	6	
6	566	10.426	2.0	66	0	30	18	42	0	
7	567	10.457	4.4	67	-6	30	18	42	0	
8	568	10.512	6.9	68	-5	30	18	42	0	
9	569	10.610	9.8	69	1	30	18	42	0	
10	570	10.686	12.2	70	3	30	18	42	0	
11	571	10.810	14.7	71	-4	30	18	42	0	
12	572	10.951	17.3	72	6	30	18	42	0	
13	573	11.093	19.5	73	-3	30	18	42	0	
14	574	11.272	21.9	74	0	30	18	42	0	
15	575	11.478	24.2	75	5	30	18	42	0	
16	576	11.679	26.3	76	-3	30	18	42	0	
17	577	11.914	28.4	77	2	30	18	42	0	
18	578	12.183	30.4	78	0	30	18	42	12	
19	579	12.423	32.2	79	0	30	18	42	0	
20	580	12.684	34.0	80	5	30	18	42	12	

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 10 TEAM 6  
 ORIGIN TIME: 127: 6:11:16.410

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	601	12.880	35.5	101	10	1	36	18	42	0
2	602	13.101	36.8	102	6	1	36	18	42	0
3	603	13.388	38.4	103	1	1	36	18	42	0
4	604	13.699	40.0	104	1	1	36	18	42	0
5	605	14.021	41.5	105	12	1	36	18	42	0
6	606	14.300	42.7	106	-4	1	36	18	42	6
7	607	14.591	43.9	107	-22	1	36	18	42	0
8	608	14.901	45.1	108	4	1	36	18	42	6
9	609	15.203	46.4	109	4	1	36	18	42	17
10	610	15.553	47.5	110	13	1	36	18	42	0
11	611	15.893	48.6	111	13	1	36	18	42	0
12	612	16.317	49.8	112	0	2	36	18	42	6
13	613	16.650	50.8	113	0	2	36	18	42	0
14	614	16.970	51.6	114	-2	2	36	18	42	0
15	615	17.329	52.6	115	3	1	36	18	42	1
16	616	17.703	53.4	116	7	1	36	18	42	0
17	617	18.062	54.3	117	6	1	36	18	42	0
18	618	18.403	55.1	118	0	1	36	18	42	0
19	619	18.808	56.0	119	0	1	36	18	42	0
20	620	19.925	58.1	120	2	1	36	18	42	1

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 11 TEAM 1  
 ORIGIN TIME: 127: 6:11:59.330

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	501	7.198	221.4	1	13	1	30	18 62	0	0
2	502	6.671	221.0	2	-22	1	30	18 62	0	0
3	503	6.169	219.2	3	8	1	30	18 62	0	0
4	504	5.764	216.5	4	-120	2	30	18 62	0	0
5	505	5.298	215.6	5	46	1	30	18 62	0	0
6	506	4.631	214.7	6	2	3	30	18 62	12	12
7	507	4.365	209.5	7	-6	1	30	18 62	0	0
8	508	4.130	203.2	8	72	2	30	18 62	0	0
9	509	3.959	196.7	9	19	1	30	18 62	0	0
10	510	3.852	189.6	10	6	1	30	18 62	0	0
11	511	3.778	182.5	11	42	2	30	18 62	0	0
12	512	3.769	174.9	12	7	1	30	18 62	12	12
13	513	3.614	167.0	13	-8	1	30	18 62	0	0
14	514	3.544	159.0	14	78	2	30	18 62	0	0
15	515	3.318	150.3	15	5	1	30	18 62	0	0
16	516	3.560	142.7	16	21	1	30	18 62	1	1
17	517	4.044	138.2	17	39	1	30	18 62	0	0
18	518	4.520	134.5	18	-17	3	30	18 62	0	0
19	519	5.035	133.9	19	-22	1	30	18 62	0	0
20	520	5.549	132.0	20	4	1	30	18 62	1	1

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 11 TEAM 3  
 ORIGIN TIME: 127: 6:11:59.330

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	541	24.620	98.4	41	7	1	30	18 42	3	3
2	542	25.565	98.1	42	4	1	30	18 42	12	12
3	543	26.064	97.9	43	-16	2	30	18 42	12	12
4	544	26.526	97.9	44	-30	2	30	18 42	6	6
5	545	27.506	97.6	45	0	0	30	18 42	6	6
6	546	28.487	97.3	46	-59	2	30	18 42	6	6
7	547	29.463	97.1	47	5	1	30	18 42	6	6
8	548	30.382	96.9	48	-40	1	30	18 42	12/ 6	12/ 6
9	549	31.361	96.7	49	7	2	30	18 42	12/ 6	12/ 6
10	550	32.325	96.5	50	-5	0	30	18 42	6	6
11	551	33.290	96.3	51	5	2	30	18 42	12/ 6	12/ 6
12	552	34.279	96.0	52	-16	1	30	18 42	12/ 6	12/ 6
13	553	35.251	95.9	53	3	2	30	18 42	12/ 6	12/ 6
14	554	36.227	95.7	54	-15	2	30	18 42	6	6
15	555	37.205	95.5	55	-11	2	30	18 42	6	6
16	556	38.167	95.1	56	2	2	30	18 42	6	6
17	557	39.005	93.7	57	-63	2	30	18 42	17	17
18	558	39.922	92.3	58	-7	2	30	18 42	6	6
19	559	40.868	90.9	59	-5	2	30	18 42	6	6
20	560	41.838	89.6	60	-9	1	30	18 42	0	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 11 TEAM 2  
 ORIGIN TIME: 127: 6:11:59.330

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	521	15.581	261.4	21	-5	1	30	18 42	9	9
2	522	14.945	260.6	22	6	1	30	18 42	9	9
3	523	14.508	258.8	23	0	1	30	18 42	9	9
4	524	13.920	257.9	24	-5	3	30	18 42	12	12
5	525	13.267	258.1	25	-13	2	30	18 42	0	0
6	526	12.837	256.5	26	1	1	30	18 42	1	1
7	527	12.326	256.5	27	0	1	30	18 42	9	9
8	528	11.674	256.8	28	7	1	30	18 42	1	1
9	529	11.132	255.0	29	5	1	30	18 42	9	9
10	530	10.622	253.5	30	4	1	30	18 42	0	0
11	531	10.477	249.0	31	4	1	30	18 42	0	0
12	532	10.090	247.2	32	8	1	30	18 42	17	17
13	533	9.827	243.6	33	-9	3	30	18 42	9	9
14	534	9.618	241.0	34	6	3	30	18 42	12	12
15	535	9.180	238.2	35	-14	3	30	18 42	12	12
16	536	8.743	234.7	36	0	3	30	18 42	12	12
17	537	8.680	231.6	37	14	1	30	18 42	17	17
18	538	8.230	228.8	38	8	3	30	18 42	12	12
19	539	7.851	226.4	39	2	1	30	16 42	8	8
20	540	7.432	223.2	40	5	1	30	18 42	8	8

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 11 TEAM 4  
 ORIGIN TIME: 127: 6:11:59.330

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	561	6.133	127.7	61	4	4	30	18 42	1	1
2	562	6.484	125.2	62	1	3	30	18 42	12	12
3	563	6.894	122.5	63	2	3	30	18 42	12	12
4	564	7.271	120.6	64	3	3	30	18 42	12	12
5	565	7.734	118.8	65	2	1	30	18 42	6	6
6	566	8.208	117.0	66	0	3	30	18 42	12	12
7	567	8.596	115.6	67	-6	3	30	18 42	12	12
8	568	9.010	114.3	68	-5	3	30	18 42	12	12
9	569	9.506	112.9	69	1	3	30	18 42	12	12
10	570	9.930	111.9	70	8	1	30	18 42	12	12
11	571	10.375	110.8	71	-4	3	30	18 42	12	12
12	572	10.856	109.9	72	6	3	30	18 42	12	12
13	573	11.272	109.1	73	-3	3	30	18 42	12	12
14	574	11.743	108.3	74	0	3	30	18 42	12	12
15	575	12.224	107.5	75	5	3	30	18 42	12	12
16	576	12.670	106.9	76	-3	3	30	18 42	12	12
17	577	13.139	106.2	77	2	3	30	18 42	12	12
18	578	13.603	105.5	78	0	3	30	18 42	12	12
19	579	14.053	105.0	79	0	1	30	18 42	12	12
20	580	14.499	104.5	80	5	1	30	18 42	12	12

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 11 TEAM 5  
ORIGIN TIME: 127: 6:11:59.330

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	581	15.984	262.8	81	-37	1	30	18	42	0
2	582	16.405	262.9	82	-3	1	30	18	42	0
3	583	16.824	263.1	83	18	1	30	18	42	0
4	584	17.427	263.0	84	22	3	30	18	42	0
5	585	17.945	263.3	85	-19	1	30	18	42	0
6	586	18.287	264.5	86	2	1	30	18	42	1
7	587	18.743	264.6	87	9	1	30	18	42	0
8	588	19.148	265.3	88	22	1	30	18	42	0
9	589	19.464	267.0	89	10	1	30	18	42	1
10	590	20.058	266.1	90	8	2	30	18	42	0
11	591	20.549	266.0	91	7	2	30	18	42	0
12	592	21.060	265.9	92	9	1	30	18	42	6
13	593	21.561	266.5	93	8	1	30	18	42	6
14	594	22.012	267.4	94	15	2	30	18	42	0
15	595	22.285	268.7	95	22	1	30	18	42	0
16	596	22.758	269.0	96	-11	2	30	18	42	0
17	597	23.179	269.6	97	7	1	30	18	42	0
18	598	23.611	270.4	98	-3	2	30	18	42	0
19	599	24.192	270.6	99	15	2	30	18	42	0
20	600	24.580	270.8	100	12	1	30	18	42	3

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 12 TEAM 1  
ORIGIN TIME: 127: 6:34:26.470

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	501	8.127	294.4	1	14	1	30	18	62	0
2	502	7.950	298.0	2	-23	1	30	18	62	0
3	503	7.654	301.4	3	9	1	30	18	62	0
4	504	7.341	304.2	4	-122	1	30	18	62	0
5	505	7.255	307.9	5	46	2	30	18	62	6
6	506	7.245	313.2	6	2	2	30	18	62	0
7	507	6.898	316.0	7	-6	1	30	18	62	0
8	508	6.547	319.4	8	73	2	30	18	62	0
9	509	6.243	322.8	9	20	1	30	18	62	0
10	510	5.956	326.5	10	6	2	30	18	62	0
11	511	5.725	330.7	11	43	2	30	18	62	0
12	512	5.515	335.3	12	7	1	30	18	62	0
13	513	5.553	340.8	13	-9	1	30	18	62	0
14	514	5.626	345.9	14	79	2	30	18	62	0
15	515	5.968	350.4	15	5	1	30	18	62	0
16	516	5.954	355.4	16	21	1	30	18	62	1
17	517	5.750	0.6	17	40	2	30	18	62	0
18	518	5.630	6.0	18	-17	1	30	18	62	0
19	519	5.367	10.6	19	-23	1	30	18	62	0
20	520	5.263	16.4	20	4	1	30	18	62	1

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 11 TEAM 6  
ORIGIN TIME: 127: 6:11:59.330

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	601	14.878	104.2	101	10	1	36	18	42	0
2	602	15.238	103.9	102	6	1	36	18	42	0
3	603	15.701	103.5	103	1	1	36	18	42	0
4	604	16.180	103.1	104	1	1	36	18	42	0
5	605	16.631	102.6	105	12	1	36	18	42	0
6	606	17.037	102.3	106	-4	1	36	18	42	6
7	607	17.449	102.0	107	-22	1	36	18	42	6
8	608	17.881	101.7	108	4	1	36	18	42	6
9	609	18.320	101.5	109	4	1	36	18	42	17
10	610	18.763	101.2	110	13	2	36	18	42	0
11	611	19.210	100.9	111	13	1	36	18	42	0
12	612	19.739	100.6	112	0	1	36	18	42	6
13	613	20.164	100.3	113	0	2	36	18	42	0
14	614	20.568	100.1	114	-2	2	36	18	42	0
15	615	21.014	99.9	115	3	1	36	18	42	0
16	616	21.463	99.7	116	7	1	36	18	42	1
17	617	21.913	99.5	117	6	1	36	18	42	0
18	618	22.325	99.3	118	0	3	36	18	42	0
19	619	22.828	99.2	119	0	1	36	18	42	0
20	620	24.133	98.6	120	2	1	36	18	42	6

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 12 TEAM 2  
ORIGIN TIME: 127: 6:34:26.470

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	521	19.171	289.7	21	-5	1	30	18	42	0
2	522	18.501	290.0	22	6	2	30	18	42	0
3	523	17.897	289.4	23	0	2	30	18	42	0
4	524	17.277	289.8	24	-5	1	30	18	42	0
5	525	16.750	291.1	25	-14	2	30	18	42	0
6	526	16.187	290.9	26	1	1	30	18	42	1
7	527	15.768	291.9	27	0	1	30	18	42	1
8	528	15.278	293.5	28	8	1	30	18	42	1
9	529	14.637	293.7	29	6	1	30	18	42	0
10	530	14.060	294.2	30	4	1	30	18	42	0
11	531	13.393	291.9	31	4	1	30	18	42	0
12	532	12.898	292.1	32	8	1	30	18	42	17
13	533	12.528	291.0	33	-9	1	30	18	42	0
14	534	11.788	290.9	34	6	1	30	18	42	0
15	535	11.160	290.6	35	-14	3	30	18	42	0
16	536	10.456	290.8	36	0	1	30	18	42	0
17	537	10.028	289.7	37	14	1	30	18	42	17
18	538	9.452	290.8	38	8	1	30	18	42	0
19	539	8.974	291.9	39	2	3	30	18	42	0
20	540	8.424	293.4	40	5	1	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 12 TEAM 3  
 ORIGIN TIME: 127: 6:34:26.470

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	541	22.330	76.7	41	7	30	18	42	3	
2	542	23.261	77.2	42	4	1	30	18	42	12
3	543	23.757	77.4	43	-16	2	30	18	42	12
4	544	24.200	77.8	44	-31	1	30	18	42	12
5	545	25.168	78.2	45	0	30	18	42	12	12
6	546	26.137	78.7	46	-60	2	30	18	42	12
7	547	27.103	79.1	47	5	30	18	42	12	12
8	548	28.013	79.5	48	-40	1	30	18	42	12/6
9	549	28.984	79.8	49	7	1	30	18	42	12
10	550	29.939	80.1	50	-5	30	18	42	12	12
11	551	30.898	80.4	51	6	2	30	18	42	12
12	552	31.892	80.7	52	-16	1	30	18	42	12/6
13	553	32.848	81.0	53	3	2	30	18	42	12
14	554	33.826	81.2	54	-16	2	30	18	42	0
15	555	34.800	81.4	55	-11	2	30	18	42	0
16	556	35.801	81.4	56	2	2	30	18	42	0
17	557	36.837	80.2	57	-64	30	18	42	17	
18	558	37.958	79.1	58	-7	2	30	18	42	9
19	559	39.099	78.0	59	-5	2	30	18	42	12
20	560	40.254	77.0	60	-9	2	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 12 TEAM 5  
 ORIGIN TIME: 127: 6:34:26.470

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	561	19.701	290.1	81	-37	1	30	18	42	0
2	562	20.094	289.6	82	-3	30	18	42	17	
3	563	20.485	289.2	83	18	2	30	18	42	0
4	564	21.027	288.5	84	22	2	30	18	42	0
5	565	21.524	288.0	85	-19	2	30	18	42	0
6	566	21.997	288.6	86	2	30	18	42	1	
7	567	22.435	288.2	87	9	30	18	42	17	
8	568	22.891	288.3	88	23	1	30	18	42	0
9	569	23.404	288.3	89	10	30	18	42	1	
10	590	23.837	288.1	90	9	2	30	18	42	0
11	591	24.282	287.6	91	7	1	30	18	42	0
12	592	24.750	287.1	92	9	30	18	42	6	
13	593	25.294	287.1	93	8	30	18	42	17	
14	594	25.830	287.5	94	15	2	30	18	42	0
15	595	26.262	288.3	95	23	2	30	18	42	0
16	596	26.753	288.3	96	-11	2	30	18	42	0
17	597	27.220	288.4	97	7	2	30	18	42	0
18	598	27.739	288.8	98	-3	2	30	18	42	0
19	599	28.313	288.6	99	16	2	30	18	42	0
20	600	28.711	288.5	100	12	30	18	42	3	

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 12 TEAM 4  
 ORIGIN TIME: 127: 6:34:26.470

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	561	5.484	23.8	61	4	1	30	18	42	12
2	562	5.692	27.9	62	1	3	30	18	42	12
3	563	5.979	32.1	63	3	1	30	18	42	12
4	564	6.229	35.6	64	3	1	30	18	42	12
5	565	6.523	39.4	65	2	1	30	18	42	12
6	566	6.874	42.9	66	0	3	30	18	42	12
7	567	7.184	45.4	67	-6	3	30	18	42	12
8	568	7.525	47.8	68	-5	3	30	18	42	12
9	569	7.953	50.4	69	1	3	30	18	42	12
10	570	8.301	52.4	70	8	3	30	18	42	12
11	571	8.695	54.3	71	-4	3	30	18	42	12
12	572	9.117	56.2	72	7	3	30	18	42	12
13	573	9.489	57.7	73	-4	3	30	18	42	12
14	574	9.915	59.2	74	0	3	30	18	42	12
15	575	10.358	60.6	75	5	3	30	18	42	12
16	576	10.770	61.8	76	-3	3	30	18	42	12
17	577	11.210	63.0	77	2	3	30	18	42	12
18	578	11.664	63.9	78	0	3	30	18	42	12
19	579	12.083	64.9	79	0	3	30	18	42	12
20	580	12.508	65.8	80	5	2	30	18	42	12/6

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 12 TEAM 6  
 ORIGIN TIME: 127: 6:34:26.470

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	601	12.848	66.6	101	11	3	36	18	42	0
2	602	13.191	67.2	102	7	36	18	42	6	
3	603	13.629	68.0	103	1	36	18	42	0	
4	604	14.087	68.8	104	1	36	18	42	0	
5	605	14.532	69.3	105	12	36	18	42	0	
6	606	14.921	69.9	106	-4	36	18	42	6	
7	607	15.319	70.4	107	-23	36	18	42	0	
8	608	15.736	71.0	108	4	36	18	42	6	
9	609	16.149	71.6	109	4	36	18	42	17	
10	610	16.590	72.0	110	13	36	18	42	0	
11	611	17.025	72.5	111	13	36	18	42	0	
12	612	17.549	72.9	112	0	36	18	42	6	
13	613	17.963	73.3	113	0	36	18	42	0	
14	614	18.356	73.7	114	-2	36	18	42	0	
15	615	18.793	74.1	115	3	36	18	42	0	
16	616	19.237	74.4	116	7	36	18	42	1	
17	617	19.672	74.8	117	6	36	18	42	0	
18	618	20.075	75.1	118	0	36	18	42	0	
19	619	20.559	75.6	119	0	36	18	42	0	
20	620	21.846	76.4	120	2	36	18	42	6	





DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 13 TEAM 5  
ORIGIN TIME: 127: 6:37:59.540

Table with 10 columns: LOC, DIST(KM), AZIM, UNIT, CHRON, CHAN, C1, C2, C3, TAPE GRADE. Contains 20 rows of data for the 13th aftershock event.

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 14 TEAM 1  
ORIGIN TIME: 127: 6:40: 9.990

Table with 10 columns: LOC, DIST(KM), AZIM, UNIT, CHRON, CHAN, C1, C2, C3, TAPE GRADE. Contains 20 rows of data for the 14th aftershock event.

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 13 TEAM 6  
ORIGIN TIME: 127: 6:37:59.540

Table with 10 columns: LOC, DIST(KM), AZIM, UNIT, CHRON, CHAN, C1, C2, C3, TAPE GRADE. Contains 20 rows of data for the 13th aftershock event.

COALINGA AFTERSHOCKS, 1983  
AFTERSHOCK NUMBER 14 TEAM 2  
ORIGIN TIME: 127: 6:40: 9.990

Table with 10 columns: LOC, DIST(KM), AZIM, UNIT, CHRON, CHAN, C1, C2, C3, TAPE GRADE. Contains 20 rows of data for the 14th aftershock event.















DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 18 TEAM 3  
 ORIGIN TIME: 127: 9:31:44.430

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	541	25.355	106.2	41	7	30	18	42	6	
2	542	26.272	105.6	42	5	1	30	18	42	0
3	543	26.757	105.3	43	-18	1	30	18	42	12
4	544	27.212	105.1	44	-34	2	30	18	42	0
5	545	28.167	104.6	45	0	0	30	18	42	6
6	546	29.126	104.1	46	-67	2	30	18	42	12
7	547	30.080	103.6	47	6	1	30	18	42	6
8	548	30.981	103.2	48	-44	1	30	18	42	12
9	549	31.942	102.8	49	8	2	30	18	42	12
10	550	32.888	102.5	50	-6	2	30	18	42	12
11	551	33.836	102.1	51	6	2	30	18	42	12
12	552	34.804	101.7	52	-18	1	30	18	42	12
13	553	35.765	101.4	53	3	2	30	18	42	12
14	554	36.724	101.1	54	-17	2	30	18	42	0
15	555	37.688	100.8	55	-12	2	30	18	42	0
16	556	38.621	100.2	56	3	2	30	18	42	0
17	557	39.372	98.7	57	-71	17	30	18	42	17
18	558	40.200	97.2	58	-8	3	30	18	42	0
19	559	41.060	95.7	59	-5	1	30	18	42	0
20	560	41.948	94.3	60	-10	2	30	18	42	0

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 18 TEAM 5  
 ORIGIN TIME: 127: 9:31:44.430

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	581	16.770	251.0	81	-41	1	30	18	42	0
2	582	17.173	251.4	82	-3	1	30	18	42	17
3	583	17.577	251.8	83	20	2	30	18	42	0
4	584	18.170	252.2	84	25	1	30	18	42	0
5	585	18.667	252.7	85	-21	1	30	18	42	0
6	586	18.931	254.0	86	2	1	30	18	42	0
7	587	19.370	254.4	87	10	7	30	18	42	1
8	588	19.732	255.2	88	25	1	30	18	42	17
9	589	19.943	257.0	89	11	1	30	18	42	0
10	590	20.581	256.4	90	10	2	30	18	42	1
11	591	21.070	256.6	91	7	2	30	18	42	0
12	592	21.578	256.7	92	10	2	30	18	42	0
13	593	22.039	257.5	93	9	1	30	18	42	6
14	594	22.433	258.5	94	17	2	30	18	42	0
15	595	22.625	259.9	95	25	2	30	18	42	0
16	596	23.071	260.4	96	-13	2	30	18	42	0
17	597	23.457	261.1	97	8	2	30	18	42	0
18	598	23.833	262.1	98	-3	2	30	18	42	0
19	599	24.399	262.4	99	17	2	30	18	42	0
20	600	24.770	262.8	100	14	2	30	18	42	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 18 TEAM 4  
 ORIGIN TIME: 127: 9:31:44.430

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	561	8.689	146.1	61	5	3	30	18	42	12
2	562	8.934	143.6	62	2	3	30	18	42	12
3	563	9.223	140.9	63	3	3	30	18	42	12
4	564	9.508	138.8	64	4	3	30	18	42	12
5	565	9.875	136.7	65	3	3	30	18	42	6
6	566	10.252	134.5	66	0	1	30	18	42	12
7	567	10.562	132.8	67	-7	1	30	18	42	12
8	568	10.899	131.1	68	-6	1	30	18	42	12
9	569	11.306	129.2	69	1	3	30	18	42	12
10	570	11.668	127.9	70	11	3	30	18	42	12
11	571	12.046	126.4	71	-5	3	30	18	42	12
12	572	12.462	125.0	72	8	3	30	18	42	12
13	573	12.825	123.9	73	-4	3	30	18	42	12
14	574	13.241	122.7	74	0	3	30	18	42	12
15	575	13.667	121.5	75	6	3	30	18	42	12
16	576	14.067	120.5	76	-3	3	30	18	42	12
17	577	14.488	119.5	77	3	3	30	18	42	12
18	578	14.903	118.4	78	0	1	30	18	42	12
19	579	15.315	117.6	79	0	1	30	18	42	12
20	580	15.722	116.8	80	6	2	30	18	42	0

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 18 TEAM 6  
 ORIGIN TIME: 127: 9:31:44.430

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	601	16.079	116.3	101	12	1	36	18	42	12
2	602	16.412	115.7	102	8	1	36	18	42	12
3	603	16.844	115.0	103	2	2	36	18	42	0
4	604	17.291	114.3	104	1	1	36	18	42	0
5	605	17.709	113.6	105	14	1	36	18	42	0
6	606	18.091	113.1	106	-4	1	36	18	42	0
7	607	18.478	112.6	107	-27	2	36	18	42	6
8	608	18.887	112.1	108	5	2	36	18	42	2
9	609	19.308	111.6	109	4	1	36	18	42	6
10	610	19.724	111.1	110	5	2	36	18	42	17
11	611	20.149	110.6	111	15	2	36	18	42	0
12	612	20.650	110.0	112	16	2	36	18	42	0
13	613	21.057	109.6	113	0	2	36	18	42	6
14	614	21.444	109.3	114	0	2	36	18	42	6
15	615	21.871	108.9	115	-3	1	36	18	42	12
16	616	22.302	108.5	116	8	1	36	18	42	17
17	617	22.736	108.1	117	7	1	36	18	42	1
18	618	23.133	107.8	118	0	1	36	18	42	12
19	619	23.623	107.5	119	0	1	36	18	42	12
20	620	24.684	106.5	120	3	1	36	18	42	6

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 19 TEAM 1  
 ORIGIN TIME: 127: 9:33:54.070

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	501	11.611	255.0	1	15	2	30	18	62	12
2	502	11.153	256.4	2	-25	1	30	18	62	12
3	503	10.626	257.1	3	9	2	30	18	62	12
4	504	10.136	257.3	4	-134	2	30	18	62	12
5	505	9.732	258.7	5	51	2	30	18	62	6
6	506	9.207	261.2	6	2	2	30	18	62	1
7	507	8.720	260.8	7	-7	2	30	18	62	12
8	508	8.203	260.2	8	81	1	30	18	62	6
9	509	7.721	259.6	9	22	2	30	18	62	0
10	510	7.241	258.9	10	6	2	30	18	62	0
11	511	6.765	258.3	11	47	2	30	18	62	0
12	512	6.271	257.6	12	8	2	30	18	62	0
13	513	5.758	258.8	13	-9	1	30	18	62	12
14	514	5.268	260.1	14	87	1	30	18	62	0
15	515	4.837	264.3	15	5	1	30	18	62	0
16	516	4.320	264.3	16	23	1	30	18	62	0
17	517	3.813	260.8	17	44	2	30	18	62	0
18	518	3.323	256.7	18	-19	2	30	18	62	0
19	519	3.032	249.0	19	-25	1	30	18	62	9
20	520	2.681	240.7	20	5	1	30	18	62	1

DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 19 TEAM 3  
 ORIGIN TIME: 127: 9:33:54.070

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	541	17.938	93.9	41	7	30	18	42	6	6
2	542	18.891	93.7	42	5	1	30	18	42	12/ 6
3	543	19.395	93.5	43	-18	3	30	18	42	12
4	544	19.858	93.6	44	-34	2	30	18	42	12/ 6
5	545	20.845	93.4	45	0	30	18	42	6	6
6	546	21.833	93.2	46	-67	2	30	18	42	12/ 6
7	547	22.815	93.1	47	6	30	18	42	6	6
8	548	23.740	93.0	48	-44	2	30	18	42	6
9	549	24.725	92.9	49	8	2	30	18	42	6
10	550	25.694	92.8	50	-6	2	30	18	42	12/ 6
11	551	26.664	92.6	51	6	2	30	18	42	12/ 6
12	552	27.661	92.5	52	-18	1	30	18	42	12/ 6
13	553	28.635	92.4	53	3	2	30	18	42	12/ 6
14	554	29.618	92.3	54	-17	2	30	18	42	6
15	555	30.600	92.2	55	-12	2	30	18	42	6
16	556	31.577	91.8	56	3	2	30	18	42	6
17	557	32.469	90.2	57	-71	3	30	18	42	6
18	558	33.447	88.6	58	-8	2	30	18	42	6
19	559	34.455	87.1	59	-5	2	30	18	42	12/ 6
20	560	35.487	85.6	60	-10	2	30	18	42	12/ 6

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 19 TEAM 2  
 ORIGIN TIME: 127: 9:33:54.070

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	521	21.869	270.2	21	-6	2	30	18	42	12
2	522	21.205	269.9	22	7	2	30	18	42	0
3	523	20.698	268.9	23	0	2	30	18	42	0
4	524	20.079	268.5	24	-6	2	30	18	42	0
5	525	19.446	269.0	25	-16	2	30	18	42	0
6	526	18.951	268.2	26	2	2	30	18	42	0
7	527	18.451	268.5	27	1	2	30	18	42	0
8	528	17.828	269.1	28	9	2	30	18	42	17
9	529	17.222	268.4	29	7	2	30	18	42	0
10	530	16.658	267.9	30	5	2	30	18	42	17
11	531	16.296	265.2	31	5	2	30	18	42	0
12	532	15.836	264.6	32	10	2	30	18	42	1
13	533	15.388	262.6	33	-11	2	30	18	42	0
14	534	15.042	261.3	34	7	2	30	18	42	0
15	535	14.469	260.3	35	-17	2	30	18	42	12
16	536	13.850	259.0	36	0	30	18	42	1	1
17	537	13.595	257.3	37	17	30	18	42	17	17
18	538	13.011	256.6	38	10	2	30	18	42	12/ 6
19	539	12.513	256.1	39	3	2	30	18	42	12
20	540	11.936	255.4	40	6	30	18	42	12	12

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 19 TEAM 4  
 ORIGIN TIME: 127: 9:33:54.070

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	561	2.095	230.0	61	5	3	30	18	42	12/ 6
2	562	1.765	221.1	62	2	3	30	18	42	12
3	563	1.448	206.4	63	3	3	30	18	42	12
4	564	1.311	188.8	64	4	3	30	18	42	12
5	565	1.359	166.5	65	3	3	30	18	42	6
6	566	1.576	147.2	66	0	3	30	18	42	12
7	567	1.844	135.6	67	-7	3	30	18	42	12
8	568	2.185	126.7	68	-6	3	30	18	42	12
9	569	2.637	119.2	69	1	3	30	18	42	12
10	570	3.046	115.3	70	11	3	30	18	42	12
11	571	3.484	111.7	71	-5	3	30	18	42	12
12	572	3.966	109.0	72	8	3	30	18	42	12
13	573	4.385	107.0	73	-4	3	30	18	42	12/ 6
14	574	4.863	105.3	74	0	3	30	18	42	12/ 6
15	575	5.353	103.8	75	6	3	30	18	42	12
16	576	5.808	102.7	76	-3	3	30	18	42	12
17	577	6.267	101.6	77	3	3	30	18	42	12
18	578	6.764	100.5	78	0	3	30	18	42	12
19	579	7.223	99.8	79	0	3	30	18	42	9
20	580	7.678	99.2	80	6	2	30	18	42	6

## DKDAT FIELD DATA TABLE

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 19 TEAM 5  
 ORIGIN TIME: 127: 9:33:54.070

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	581	22.323	271.0	81	-41	2	30	18	42	6
2	582	22.745	271.0	82	-3		30	18	42	17
3	583	23.165	270.9	83	20	2	30	18	42	6
4	584	23.762	270.7	84	25	2	30	18	42	6
5	585	24.285	270.7	85	-21	2	30	18	42	6
6	586	24.673	271.5	86	3		30	18	42	1
7	587	25.131	271.5	87	10		30	18	42	17
8	588	25.558	271.9	88	25	2	30	18	42	0
9	589	25.936	273.1	89	11		30	18	42	1
10	590	26.494	272.2	90	10	2	30	18	42	6
11	591	26.978	272.1	91	7	2	30	18	42	8
12	592	27.485	271.9	92	10		30	18	42	6
13	593	28.004	272.2	93	9		30	18	42	6
14	594	28.484	272.8	94	17	2	30	18	42	6
15	595	28.804	273.8	95	25	2	30	18	42	6
16	596	29.286	274.0	96	-13	2	30	18	42	6
17	597	29.724	274.3	97	8	2	30	18	42	6
18	598	30.182	274.9	98	-3		30	18	42	6
19	599	30.767	274.9	99	17		30	18	42	6
20	600	31.161	275.1	100	14	2	30	18	42	6

COALINGA AFTERSHOCKS, 1983  
 AFTERSHOCK NUMBER 19 TEAM 6  
 ORIGIN TIME: 127: 9:33:54.070

LOC	DIST(KM)	AZIM	UNIT	CHRON	CHAN	C1	C2	C3	TAPE	GRADE
1	601	8.062	98.9	101	13	3	36	18	42	12/ 6
2	602	8.429	98.5	102	8	1	36	18	42	12
3	603	8.900	98.1	103	2	1	36	18	42	12
4	604	9.387	97.7	104	1	1	36	18	42	0
5	605	9.848	97.2	105	14	1	36	18	42	0
6	606	10.261	96.9	106	-4		36	18	42	6
7	607	10.679	96.6	107	-27	2	36	18	42	0
8	608	11.118	96.4	108	5		36	18	42	6
9	609	11.562	96.2	109	4		36	18	42	17
10	610	12.013	95.9	110	15	2	36	18	42	0
11	611	12.466	95.7	111	16	2	36	18	42	0
12	612	13.005	95.3	112	0		36	18	42	6
13	613	13.435	95.2	113	0	2	36	18	42	6
14	614	13.844	95.0	114	-3	2	36	18	42	12
15	615	14.235	94.9	115	8		36	18	42	12
16	616	14.751	94.7	116	8		36	18	42	6
17	617	15.205	94.6	117	7	2	36	18	42	1
18	618	15.620	94.4	118	0	2	36	18	42	12/ 6
19	619	16.127	94.4	119	0	3	36	18	42	12
20	620	17.445	94.0	120	3		36	18	42	12/ 6