

# CALIFORNIA INSTITUTE OF TECHNOLOGY

EARTHQUAKE ENGINEERING RESEARCH LABORATORY

## STRONG MOTION EARTHQUAKE ACCELEROGRAMS DIGITIZED AND PLOTTED DATA

VOLUME II - CORRECTED ACCELEROGRAMS AND INTEGRATED  
GROUND VELOCITY AND DISPLACEMENT CURVES

PARTS J AND K - ACCELEROGRAMS IIJ141 THROUGH IIJ150  
AND IIK157 THROUGH IIK160

REPORT NO. EERL 74-52

A REPORT ON RESEARCH CONDUCTED UNDER A  
GRANT FROM THE NATIONAL SCIENCE FOUNDATION

PASADENA, CALIFORNIA

FEBRUARY 1974

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## ABSTRACT

The first set of twenty corrected earthquake accelerograms was published in September 1971, as Volume II, Part A, Report No. EERL 71-50, the first report of the Volume II series. That issue also contained introductory material and background information describing the types of corrections used. The corresponding uncorrected data appeared earlier in Volume I, Part A, Report No. EERL 70-20. Both of these reports, containing references related to the records themselves and the various procedures, should be referred to by all users of the data. This issue, Volume II, Parts J and K, Report No. EERL 74-52, continues with the accelerograms obtained during the San Fernando earthquake of February 9, 1971, and includes four records from the Lake Hughes array, three records each from the buildings at 15107 Vanowen Street and 616 S. Normandie Avenue, and two records each from the buildings at 420 S. Grand Avenue and 750 Garland Avenue, all in Los Angeles.

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## PREFACE TO VOLUME II, PARTS J AND K

This issue of corrected accelerograms and integrated ground velocity and displacement curves contains data from the San Fernando, California, earthquake of February 9, 1971. The corrected data for records from this earthquake appeared first in Volume II, Part C, Report No. EERL 72-51, and this continuation includes records from the following locations:

1. Lake Hughes array, Stations 1, 4, 9, 12 (4 records)
2. 15107 Vanowen Street, Los Angeles (3 records)
3. 616 S. Normandie Avenue, Los Angeles (3 records)
4. 420 S. Grand Avenue, Los Angeles (2 records)
5. 750 Garland Avenue, Los Angeles (2 records)

The uncorrected versions of the accelerograms in this issue appeared in Volume I, Part J, Report No. EERL 72-23 and Volume I, Part K, Report No. EERL 72-24.

Reference may be made to Volume II, Parts A and B, Report Nos. EERL 71-50 and 72-50, for introductory material and references to papers discussing various details of the processing and computing problems.

A separate section in Volume II, Part G, Report No. 73-52, described the results of an investigation of long period ground displacements calculated from recorded accelerations. During the course of this study it became evident that the procedures for preparation of 70-mm and, to a lesser extent, 35-mm film records introduced spurious excitations at periods close to the duration of the sectional enlargements. These effects have been removed from all of the 70-mm film records

in this issue, namely Station No. 4 of the Lake Hughes array and the ten records from the four buildings by filtering with a long period limit of 8 seconds rather than the standard cut-off period of 16 seconds. Subsequent calculations of response and Fourier spectra, published in the corresponding parts of Volumes III and IV reflect this altered frequency band. At the same time, a number of very low amplitude accelerograms were eliminated from further processing (Volume II and on) reflecting the expectation that the resulting displacements would be dominated by noise. Included in this group of accelerograms, and therefore eliminated from this report, are the following:

J151 and 152. Terminus Dam (2 records)  
K153 through K156. Maricopa Array (4 records)  
K161 through K165. Isabella Dam (5 records)

In view of the reduced number of records, it has been possible to combine two parts into one report.

Several comments applying to every report of the Volume II series of corrected digitized data are included in the next section.

## NOTES ON THE VOLUME II SERIES

The following includes some general background information describing the Volume II series.

Contents of the Various Parts. Part A of Volume II, Corrected Accelerograms and Integrated Ground Velocity and Displacement Curves, Report No. EERL 71-50, was published in September 1971 and contained in a general introduction to the series, detailed information on the methods and procedures used which should be consulted by all users of the data. Part B of Volume II, Report No. EERL 72-50, which appeared in February 1973, contained additional references to papers discussing various details of the processing and computing problems. Part C, Report No. EERL 72-51, began the presentation of corrected data for the unusually important series of accelerograms obtained during the San Fernando earthquake of February 9, 1971. All the records considered suitable for standard digitizing will be included in the issues following Part C.

Component Directions. A description of the naming of component directions for the records was given in Volume II, Part B. Consistent with this, the component direction, where it appears in this report, refers to the direction of the transducer pendulum motion for the trace to be deflected "up" on the record when viewed in the normal way with time increasing from left to right. During earthquake acceleration measurements the pendulum responds dynamically to an "inertia force" whose direction is opposite to that of the acceleration of the instrument base. It follows that the true ground acceleration will be opposite to

the pendulum motion defined above. Consequently, in the following plots the y-axis scale is inverted so as to retain both the familiar pattern of the accelerograms and the listed component direction.

Description of the Plots and Listings. The format of presentation of the results at the end of this second stage of data processing is the same as in Volume II, Part A. The plots of acceleration, velocity, and displacement appear first, with details of the earthquake, the recording site, and the peak values in the headings. The printout of the corrected accelerograms appears next, in units of mm/sec/sec, at equal time intervals of 0.02 seconds. Identification labels, instrument characteristics, peak values, and initial values are in the headings for each component.

Assessment of Long Period Errors. A separate section in Volume II, Part G, Report No. EERL 73-52, entitled "Current Assessment of Long Period Errors" describes the results of a recent investigation of long period displacements calculated from recorded accelerations. During the course of this study it became evident that the procedures for preparation of 70-mm film and, to a lesser extent, 35-mm film records from the San Fernando earthquake of February 9, 1971, introduced spurious excitations at periods close to the duration of the sectional enlargements. These effects have been removed from all of the 70-mm and 35-mm film records by filtering with a long period limit of 8 seconds rather than the standard cut-off period of 16 seconds in the Volume II correction procedure. The following list of Caltech reference numbers indicates the records from the San Fernando earthquake included in Volume I, Parts C through S, that have been processed with the cut-off period of 8 seconds:

Parts G, H, I, K, N, Q, R, S: All records in these parts.

Part J: Records J142 and J145 through J150.

Part L: Records L166, L167, L168; L172 through L175.

Part M: Records M176, M177, M178; M180 through M184.

Part O: Records O198 through O201; O206, O208, O210.

Part P: Records P231 and P232.

A decision was also made at the same time to eliminate a number of very low amplitude accelerograms from further processing (Volume II and on) reflecting the expectation that the resulting displacement records will be dominated by noise. Their Caltech reference numbers are as follows:

H127; I140, J151, J152; K153 through K156, K161 through K165; O202, O203, O209, O211; P224 through P230.

It is apparent in some of the displacement plots in this entire series of Volume II reports, but particularly in the earlier parts, that some long period noise is still present in the published data. There are no components remaining with periods longer than the cut-off period of 14 seconds (and roll-off termination at 20 seconds), or in the case of 70- and 35-mm film records from the San Fernando earthquake, the cut-off of 8 seconds (and roll-off termination at 10 seconds), but it is evident that for some records these cut-off periods are in fact too long. The cause for this lies in the very low amplitude of acceleration for much of the duration of some of the records and the consequent lowering of the signal-to-noise ratio. This noise

arises primarily from random digitization noise, and is independent of the acceleration amplitudes. With this in mind, the displacement plots indicate that a cut-off period lower than 14 seconds, or 8 seconds as the case may be, should be used to remove these components from the acceleration data. It is clear, of course, that in routine processing of accelerograms, such as those mentioned above, it is not practical to examine each earthquake accelerogram in sufficient detail to permit selection of the cut-off period optimal for that particular record.

Availability of Reports and Data. All of the reports constituting the Volume II series mention specific references that discuss particular aspects of the various earthquake records. A list of these reports and other publications of the Earthquake Engineering Research Laboratory appears at the back of this issue, including the EERL Report Number and the Accession Number, with which they are obtainable from:

National Technical Information Service  
U. S. Department of Commerce  
Springfield, Virginia 22151

Information on the availability and costs of punched cards and magnetic tapes containing this data, and the data from other volumes in the series, may be obtained from the National Information Service for Earthquake Engineering, the Earthquake Engineering Research Laboratory, California Institute of Technology.

Acknowledgments. We are grateful to the staff members of the Earthquake Engineering Research Laboratory who at all stages of the project continue to devote their time and attention to producing these reports and the corresponding cards and tapes. In particular we are indebted to Mr. Vincent Lee for carrying out the computing side of the project with such enthusiasm, to Miss Barbara Turner and Miss Sharon Vedrode for typing and editing, and to the staff of the Willis H. Booth Computing Center and the Graphic Arts Facilities. We appreciate the major support from the National Science Foundation that has made the entire project possible, and the continued contributions from the Earthquake Research Affiliates Program of the California Institute of Technology.

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A. G. Brady  
D. E. Hudson  
Earthquake Engineering Research Laboratory  
California Institute of Technology

INSTRUMENT CHARACTERISTICS FOR SAN FERNANDO EARTHQUAKE, 2/9/71, 0600 PST

Series Ref. No.	Caltech Log No.	Instrmt: Serial No.	Station No.: Location	Component Direction	Period T <sub>0</sub> (sec)	Sens.* (cm/g)	Damp* Ratio, ε	Damp* % crit.
IIJ141	71.152	AR-240 132	125 Lake Hughes Array Station 1	N21E S69E Down	0.062 0.060 0.059	7.6* 7.6* 7.6*	11.0 11.0 11.0	60.7 60.7 60.7
IIJ142	71.065	RFT-250 164	126 Lake Hughes Array Station 4	S69E S21W Down	0.048 0.046 0.046	1.9* 1.9* 1.9*	10.1 8.9 13.9	59.2 57.1 64.2
IIJ143	71.012	AR-240 162	127 Lake Hughes Array Station 9	N21E N69W Down	0.055 0.054 0.055	7.6* 7.6* 7.6*	9.77 9.24 8.30	58.67 57.73 55.82
IIJ144	71.009	AR-240 217	128 Lake Hughes Array Station 12	N21E N69W Down	0.054 0.054 0.056	7.6* 7.6* 7.6*	10.45 8.75 8.80	59.79 56.76 56.86
IIJ145	71.027	RFT-250 267	458 L.A., 15107 Vanowen St. Basement	South West Down	0.051 0.050 0.049	1.91 1.87 1.90	8.9 9.9 11.5	57.1 58.9 61.4
IIJ146	71.028	RFT-250 270	459 L.A., 15107 Vanowen St. 4th Floor	South West Down	0.047 0.052 0.050	1.84 1.89 1.90	9.6 9.9 9.4	58.5 59.0 58.1
IIJ147	71.030	RFT-250 254	460 L.A., 15107 Vanowen St. Roof	South West Down	0.048 0.047 0.051	1.97 1.96 1.90	5.7 14.0 9.5	48.3 64.3 58.2
IIJ148	71.070	SMA-1 117	431 L.A., 616 S. Normandie Ave., Basement	North West Down	0.037 0.037 0.039	1.61 1.66 1.72	4.6 5.5 9.6	43.7 47.8 58.4

\* See footnotes at end of table.

# INSTRUMENT CHARACTERISTICS FOR THE SAN FERNANDO EARTHQUAKE, 2-9-71, 0600 PST (cont.)

Series Ref. No.	Caltech Log No.	Instrmt: Serial No.	Station No.: Location	Component Direction	Period T <sub>0</sub> (sec)	Sens.* (cm/g)	Damp* Ratio, ε	Damp* % crit.
IIJ149	71.074	SMA-1 118	432 L.A., 616 S. Normandie Ave., 8th Floor	North West Down	0.032 0.039 0.030	1.80 1.62 1.62	6.5 6.2 4.8	51.1 50.3 44.5
IIJ150	71.073	SMA-1 119	433 L.A., 616 S. Normandie Ave., Roof	North West Down	0.037 0.038 0.040	1.60 1.76 1.82	6.3 5.6 6.4	50.4 48.3 51.0
IIK157	71.076	RFT-250 125	154 L.A., 420 S. Grand Ave. 2nd Floor (at ground level)	S53E S37W Down	0.058 0.057 0.057	1.9* 1.9* 1.9*	9.5 7.3 7.2	58.2 53.4 53.1
IIK158	71.078	RFT-250 126	156 L.A., 420 S. Grand Ave. 17th Floor	S53E S37W Down	0.046 0.047 0.047	1.9* 1.9* 1.9*	10.6 9.4 13.1	60.1 58.1 63.3
IIK159	71.080	RFT-250 152	170 L.A., 750 Garland Ave. 2nd Floor	S30W N60W Down	0.048 0.048 0.048	1.9* 1.9* 1.9*	20.0 25.0 10.3	69.0 71.6 59.5
IIK160	71.081	RFT-250 151	171 L.A., 750 Garland Ave. 6th Floor	S30W N60W Down	0.046 0.047 0.045	1.9* 1.9* 1.9*	14.3 18.9 14.8	64.7 68.3 65.1

\* Static Magnification,  $V_s = \omega_n^2$ . Sensitivity =  $\left[ \frac{2\pi}{T_0(\text{sec})} \right]^2 \cdot \frac{\text{Sensitivity (cm/g)}}{980 \text{ (cm/sec}^2\text{/g)}}$

Asterisked sensitivities are nominal values.

Damping Ratio,  $\epsilon = \exp \left[ \pi n / \sqrt{1-n^2} \right]$  where n is the fraction of critical damping.

Periods and damping values have been obtained by direct measurement of the calibration test records appearing at the beginning and end of the earthquake records. If none were present, the data were taken from the Seismological Field Survey's appropriate list of instrumental characteristics (January, 1970).

The component direction is that of pendulum motion for the trace to be deflected "up", as described in the Notes.

## EARTHQUAKE DATA

The San Fernando, California, Earthquake of February 9, 1971,  
0600 PST; epicenter,  $34^{\circ}24.0'N$ ,  $118^{\circ}23.7'W$ ; maximum intensity, XI;  
revised magnitude ( $M_L$ ), 6.4; depth, 13.0 km.

REFERENCES (See additional list, page 224)

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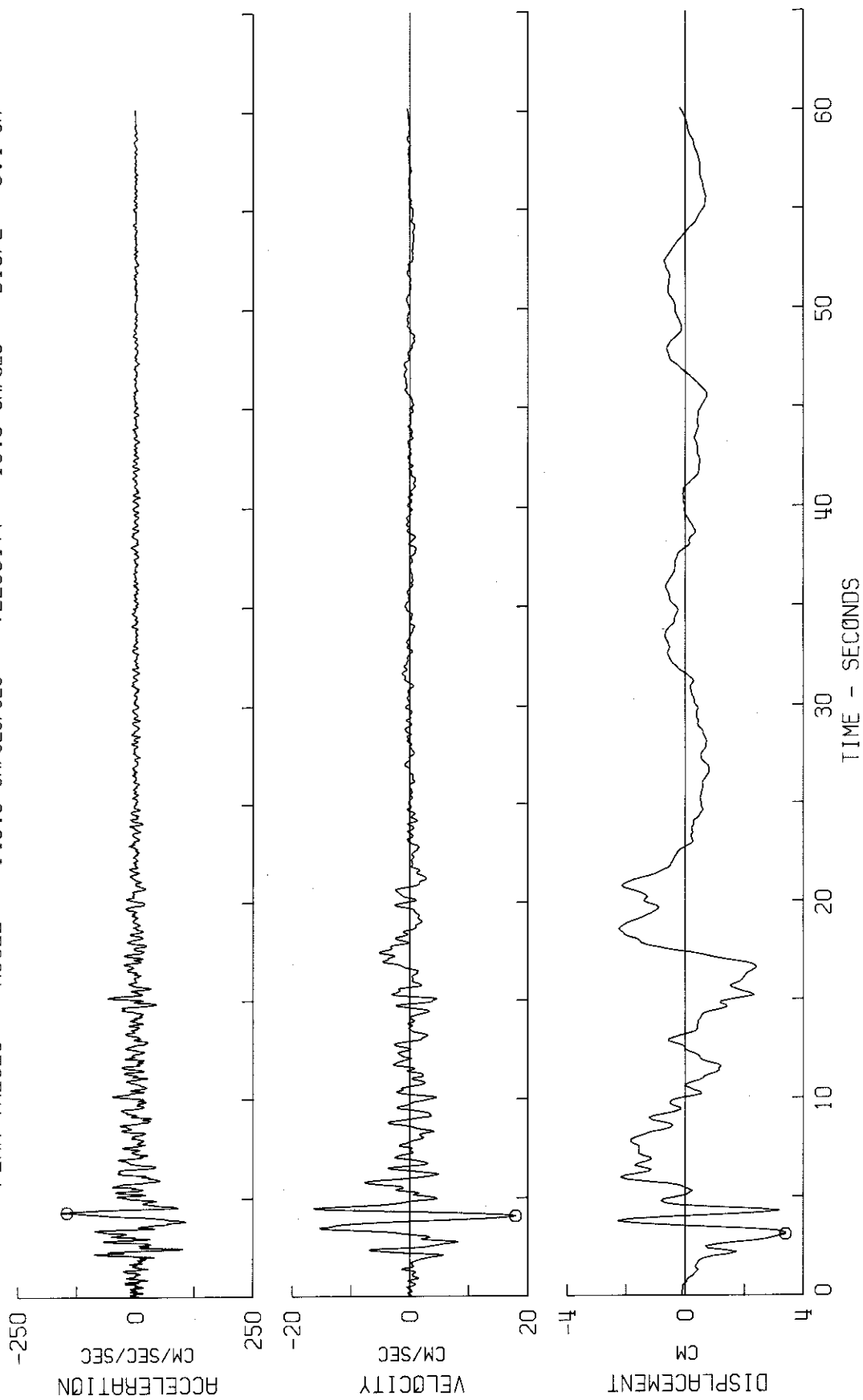
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# INDEX OF EARTHQUAKE RECORDS

## VOLUME II, PARTS J AND K

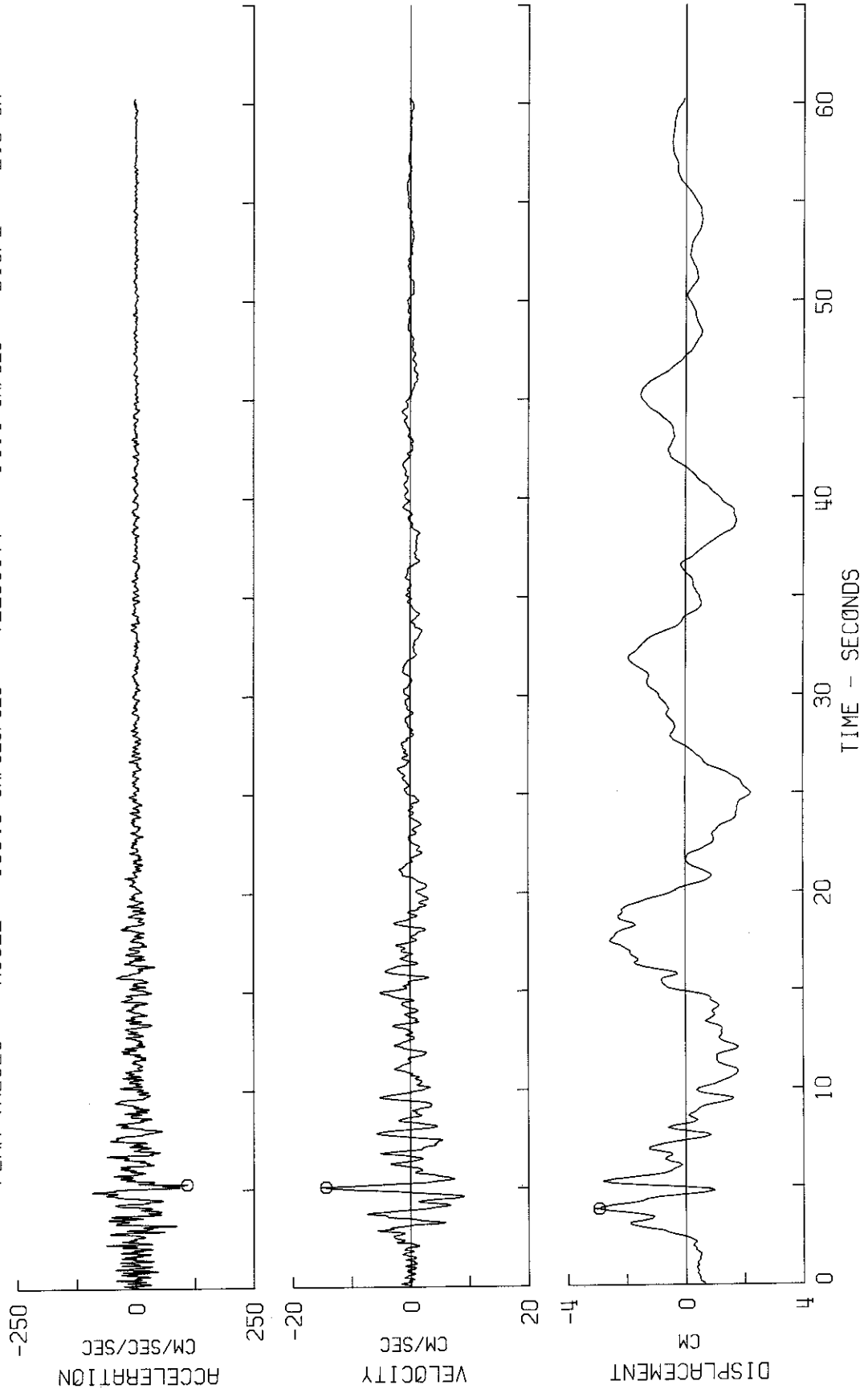
	<u>Records</u>	<u>Plot</u>	<u>Print-Out</u>
San Fernando Earthquake, February 9, 1971 - 0600 PST			
IIJ141;	Lake Hughes, Array Station 1; N21E, S69E, Down	14	56
IIJ142;	Lake Hughes, Array Station 4; S69E, S21W, Down	17	68
IIJ143;	Lake Hughes, Array Station 9; N21E, N69W, Down	20	74
IIJ144;	Lake Hughes, Array Station 12; N21E, N69W, Down	23	80
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IIJ147;	15107 Vanowen St., Los Angeles, Calif.; Roof; South, West, Down	32	122
IIJ148;	616 S. Normandie Ave., Los Angeles, Calif.; Basement; North, West, Down	35	140
IIJ149;	616 S. Normandie Ave., Los Angeles, Calif.; 8th Floor; North, West, Down	38	146
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IIK160;	750 Garland Ave., Los Angeles, Calif.; 6th Floor; S30W, N60W, Down	53	209

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIJ141 71.152.0 LAKE HUGHES, ARRAY STATION 1, CAL. COMP N21E  
 Ø PEAK VALUES : ACCEL = -145.5 CM/SEC/SEC VELOCITY = 18.0 CM/SEC DISPL = 3.4 CM

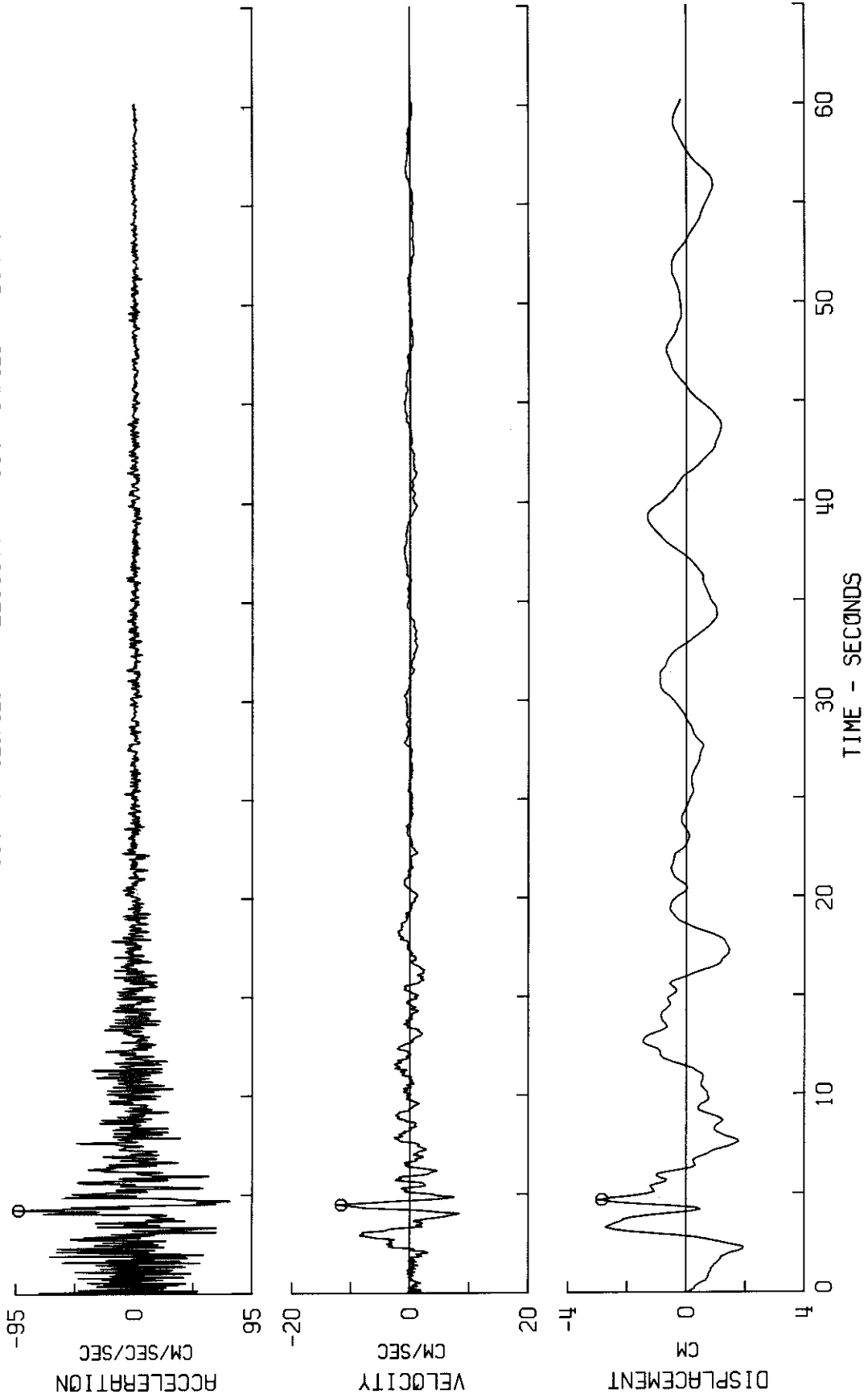


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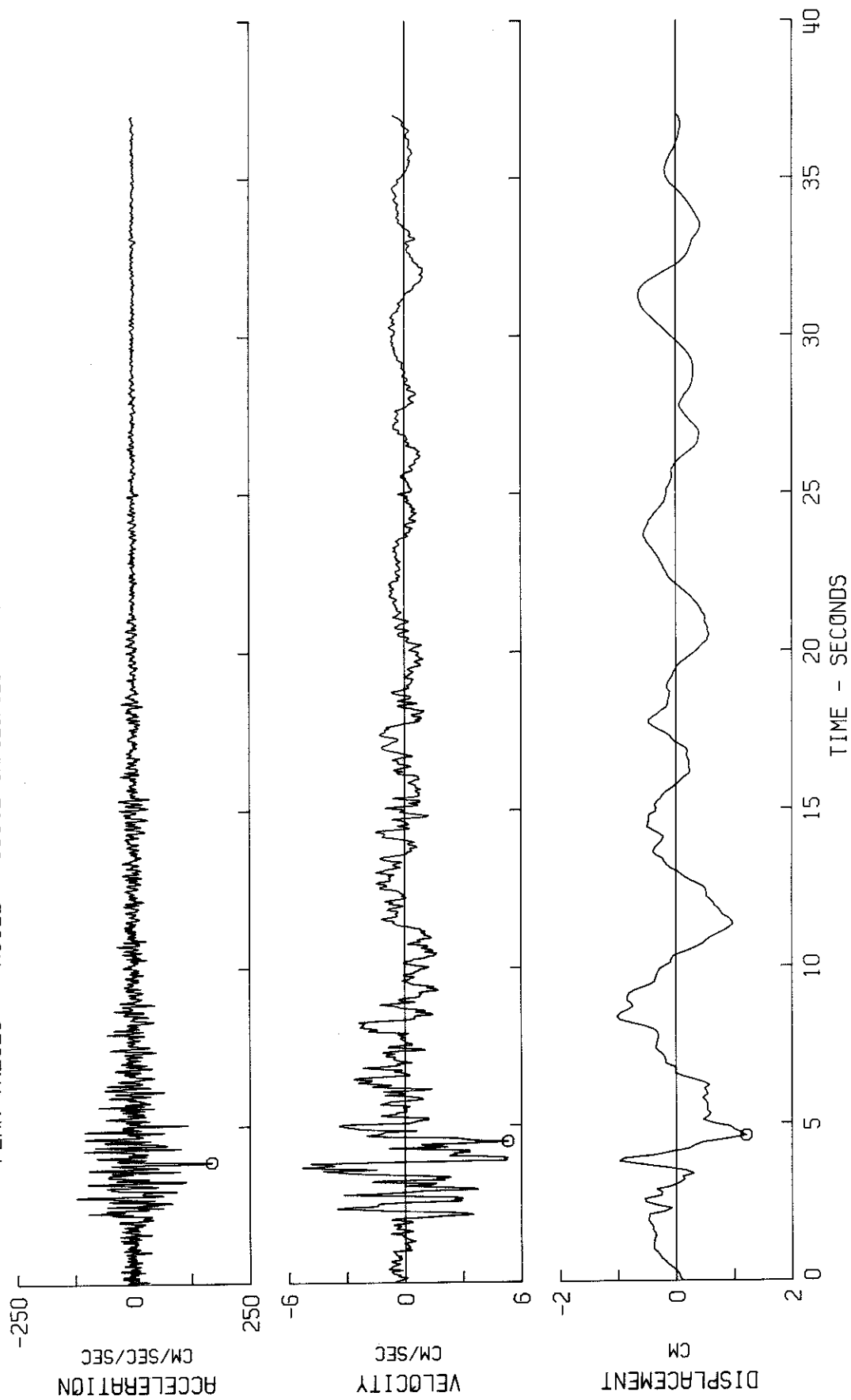
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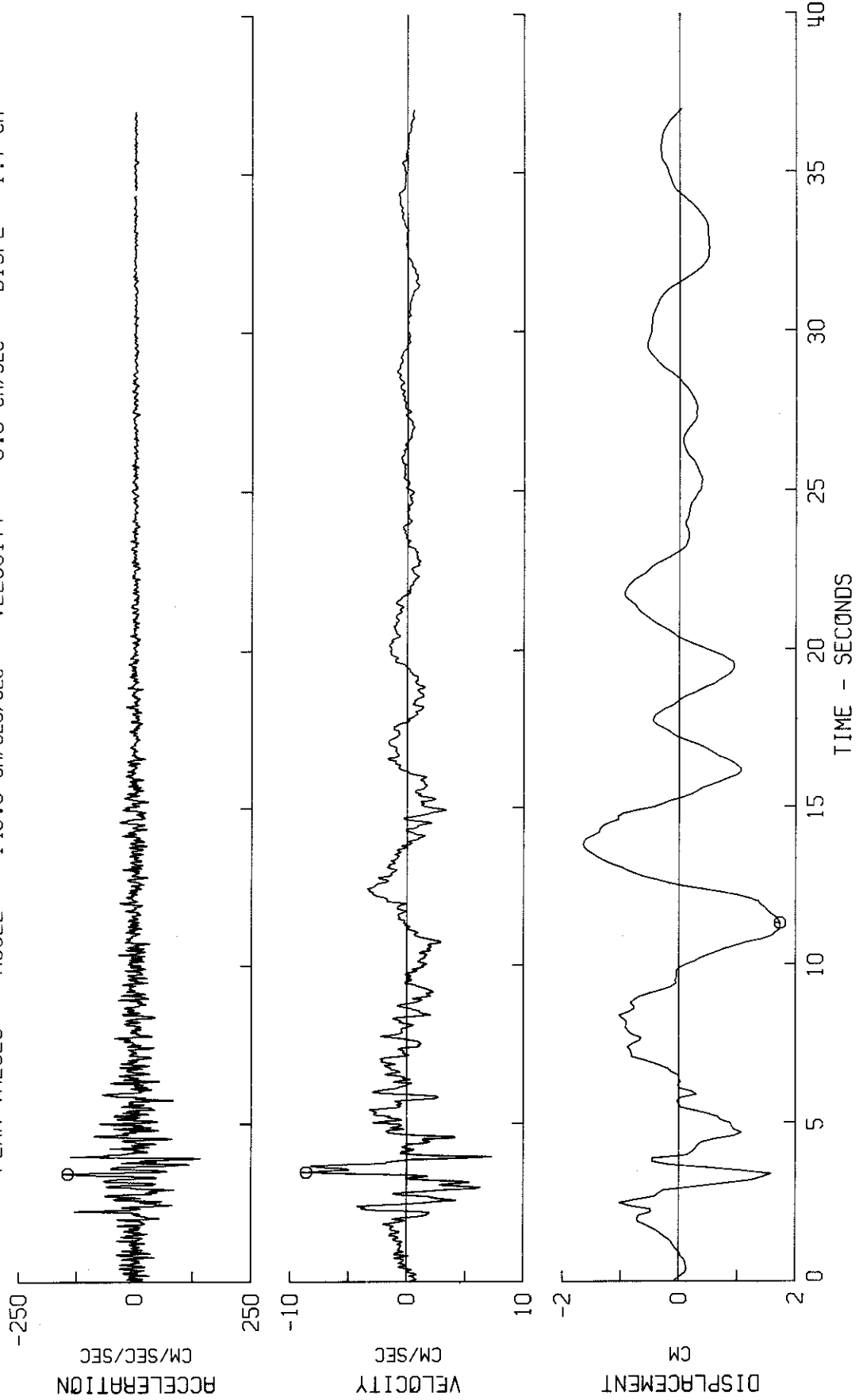
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IIJ141 71.152.0 LAKE HUGHES, ARRAY STATION 1, CAL. COMP DOWN  
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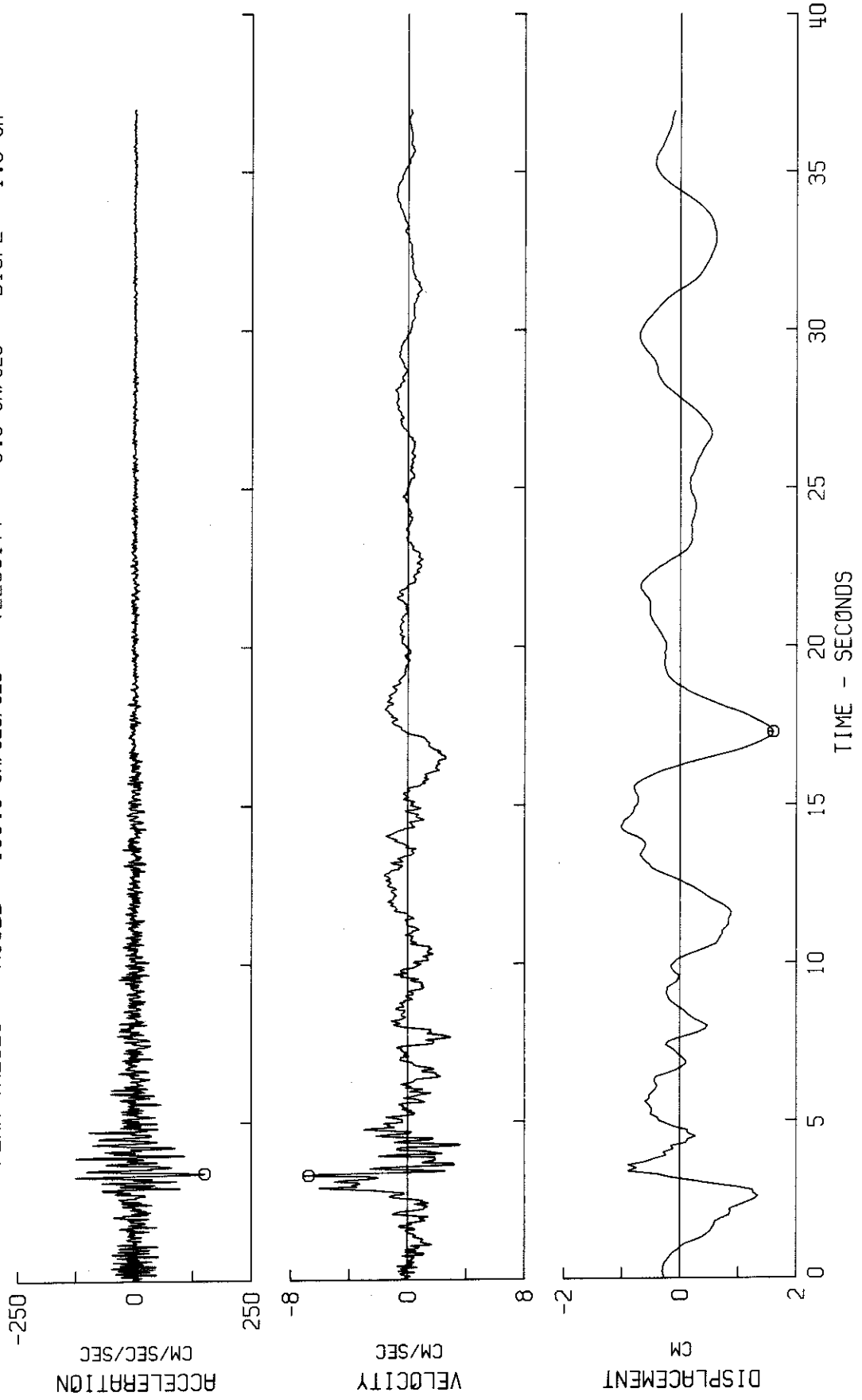
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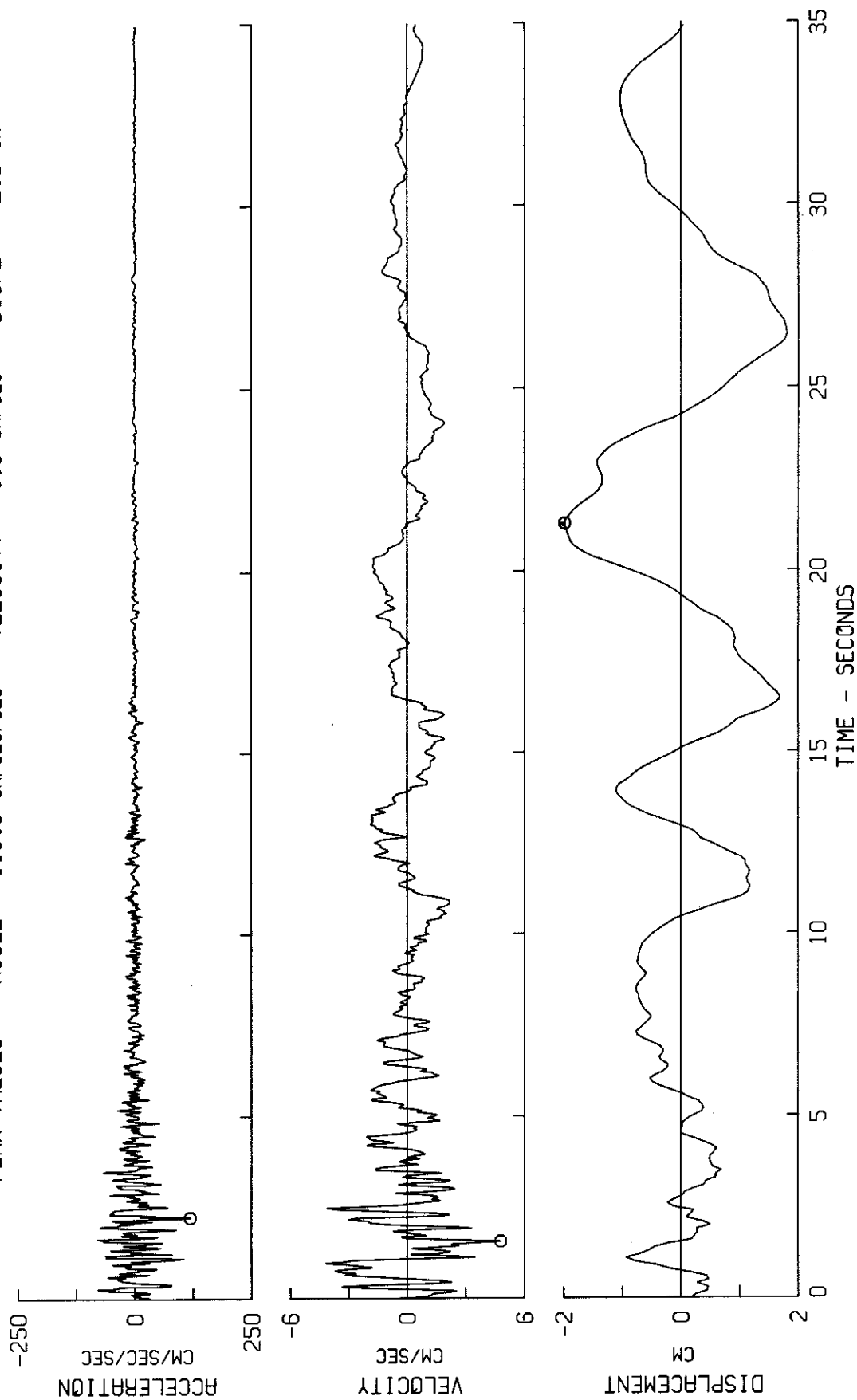
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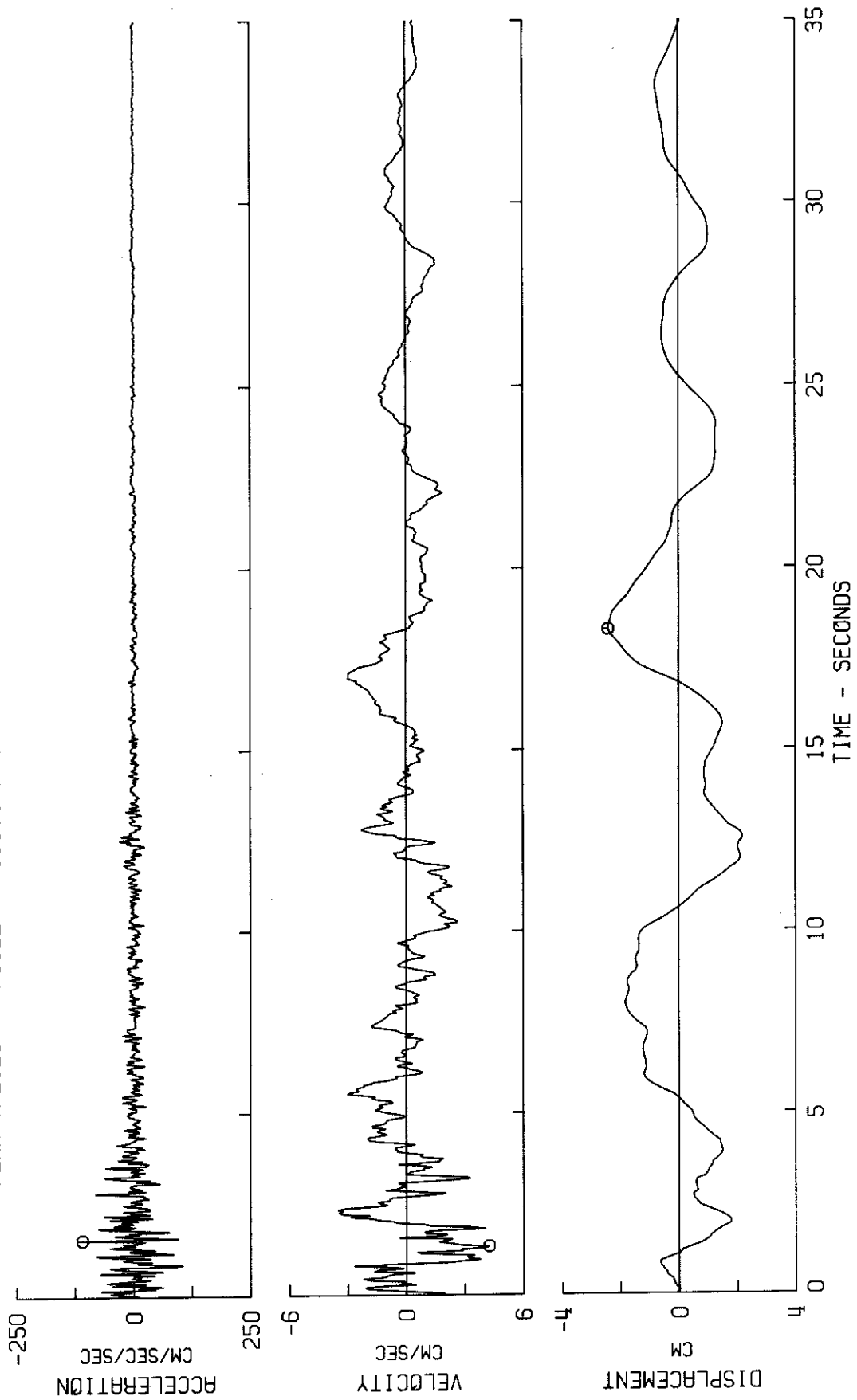
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111142 71.065.0 LAKE HUGHES, ARRAY STATION 4, CAL. COMP DOWN  
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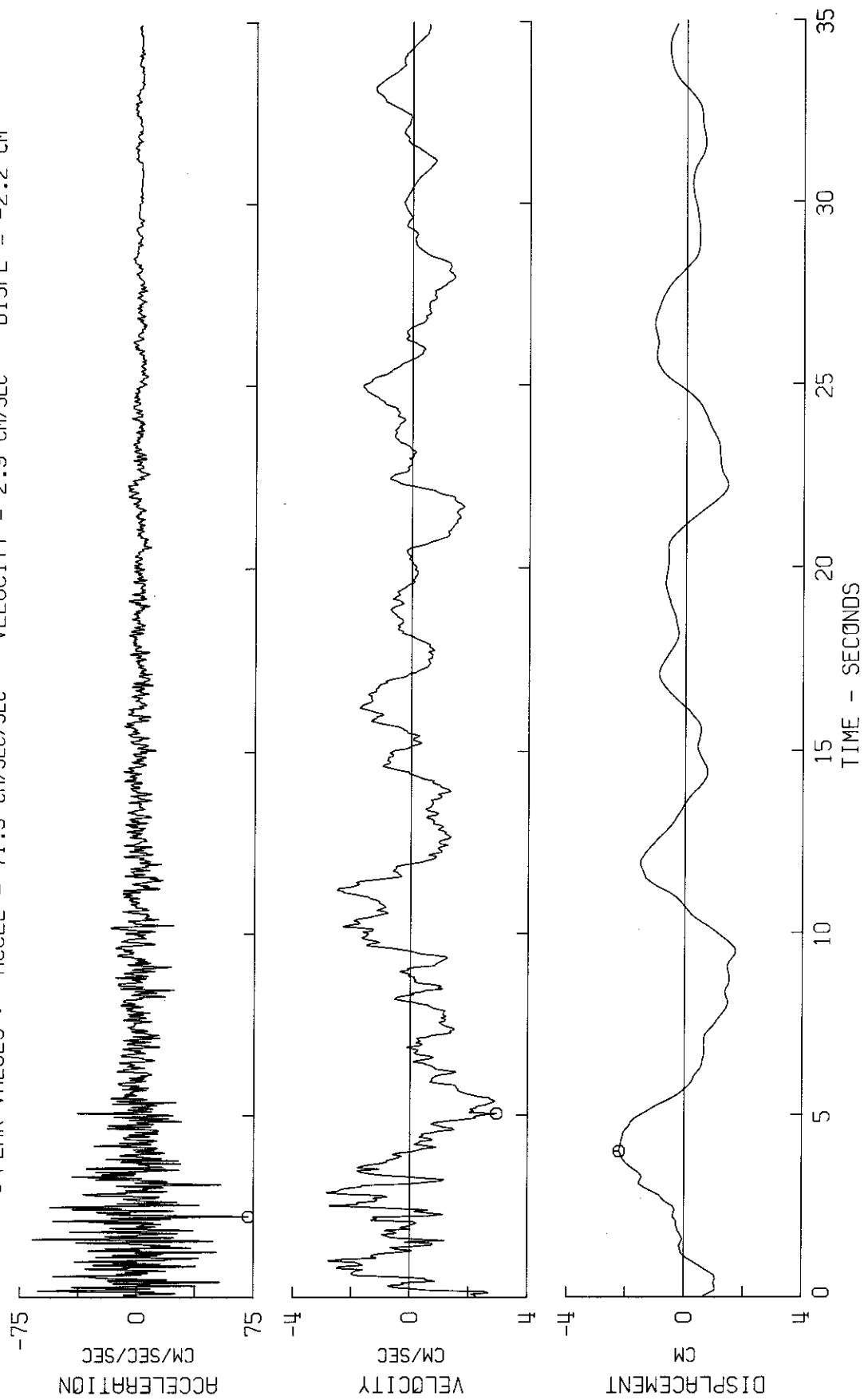
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11J143 71.012.0 LAKE HUGHES, ARRAY STATION 9, CAL. COMP N21E  
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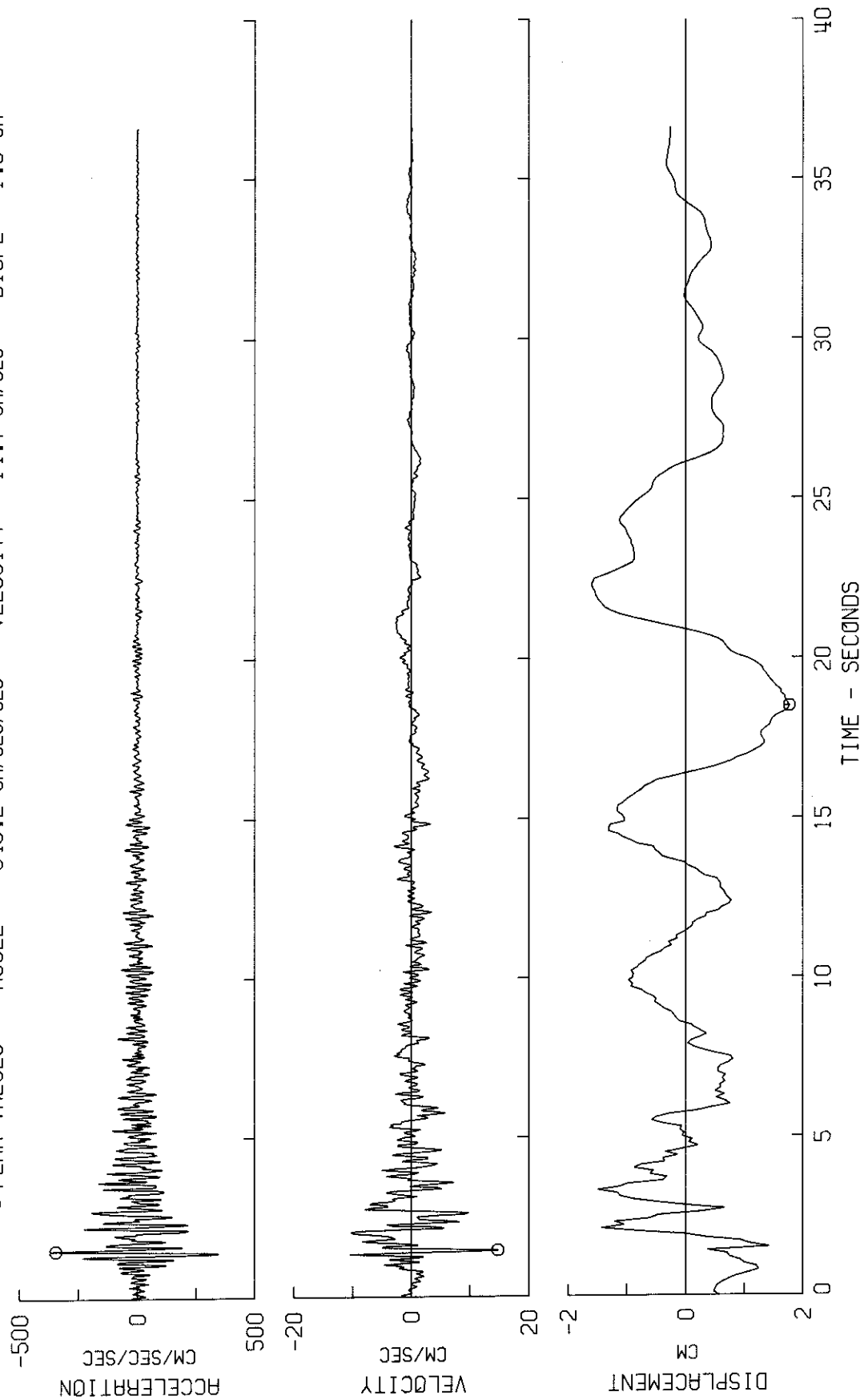
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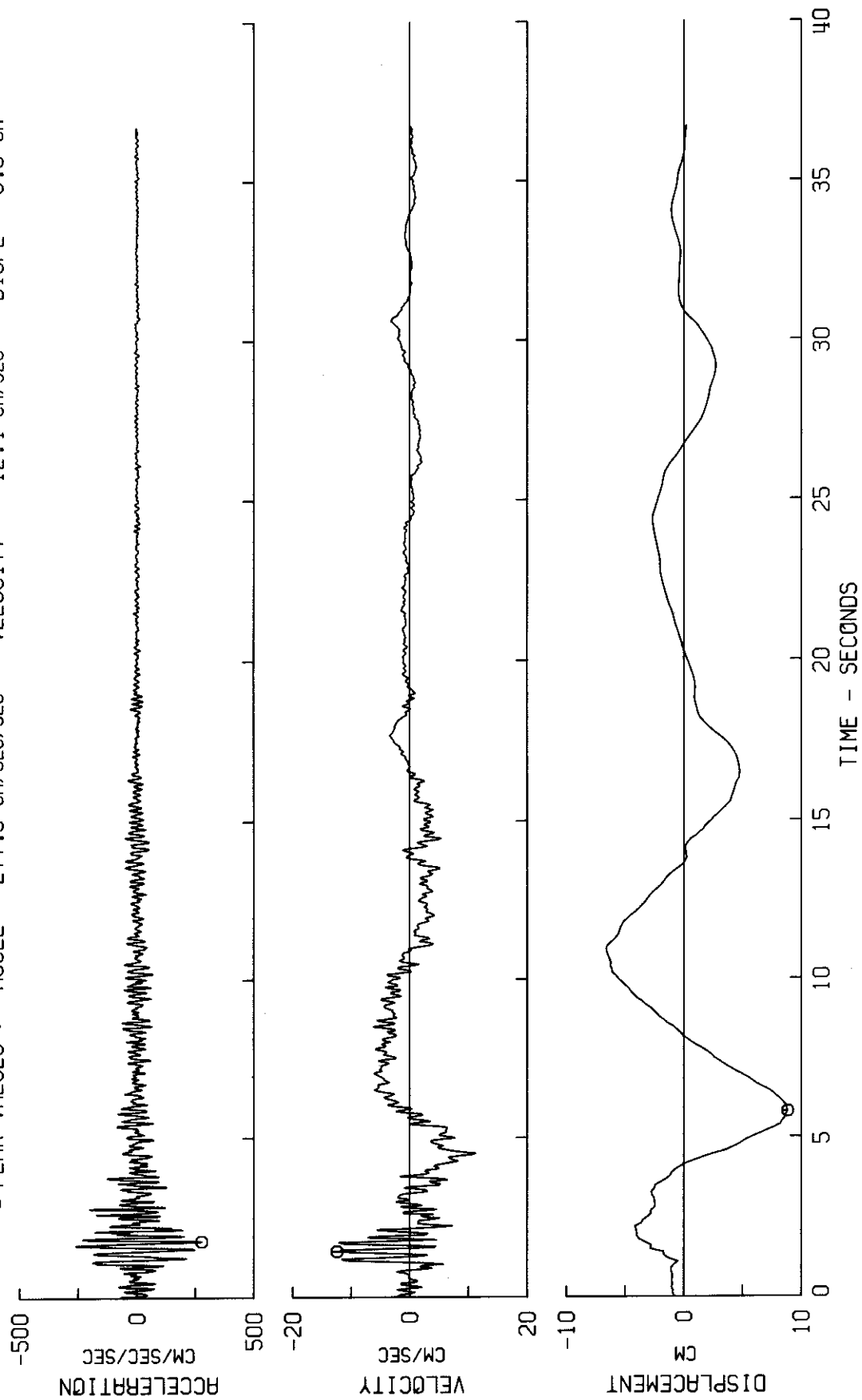
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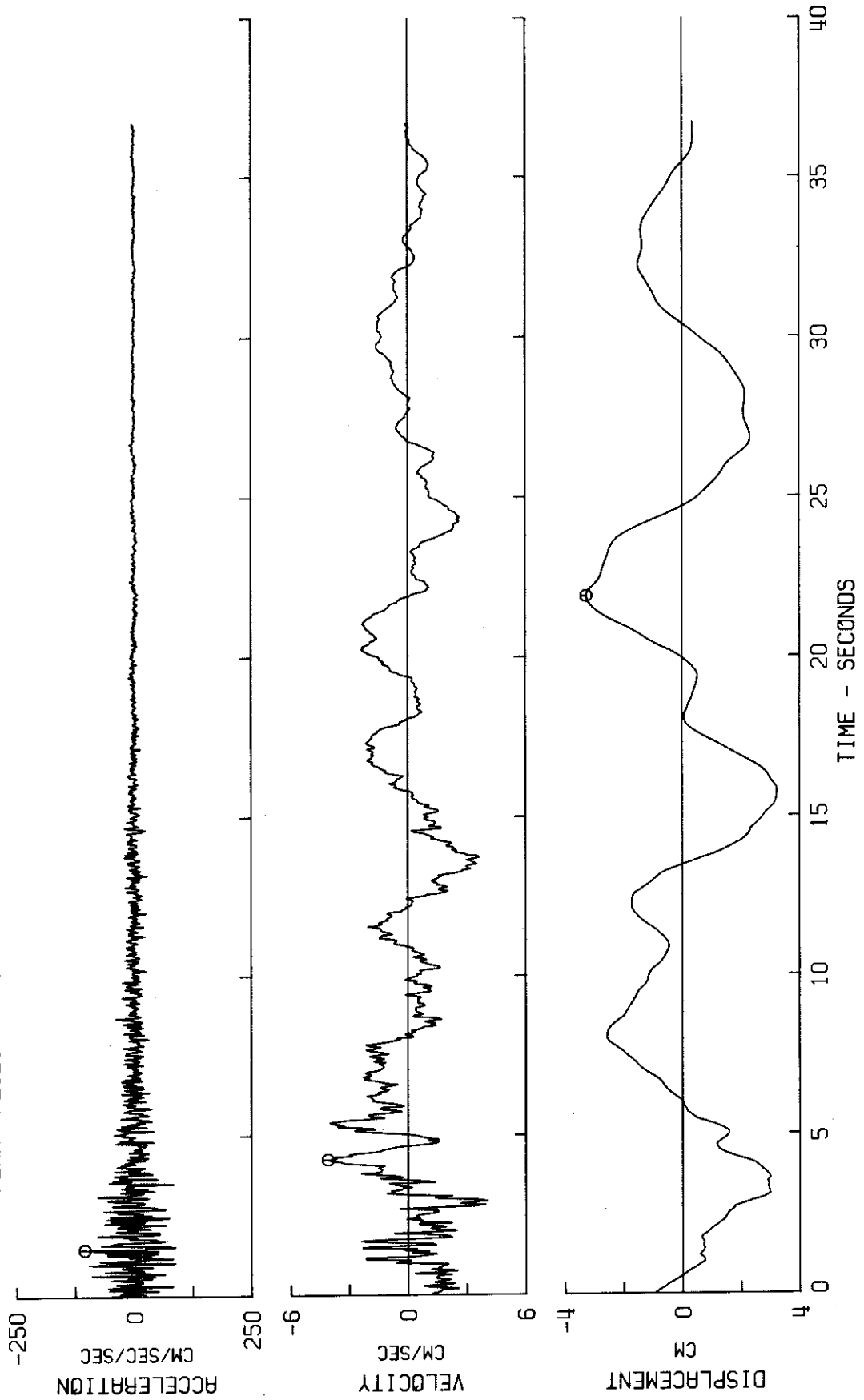
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 IIJ144 71.009.0 LAKE HUGHES, ARRAY STATION 12, CAL. COMP N21E  
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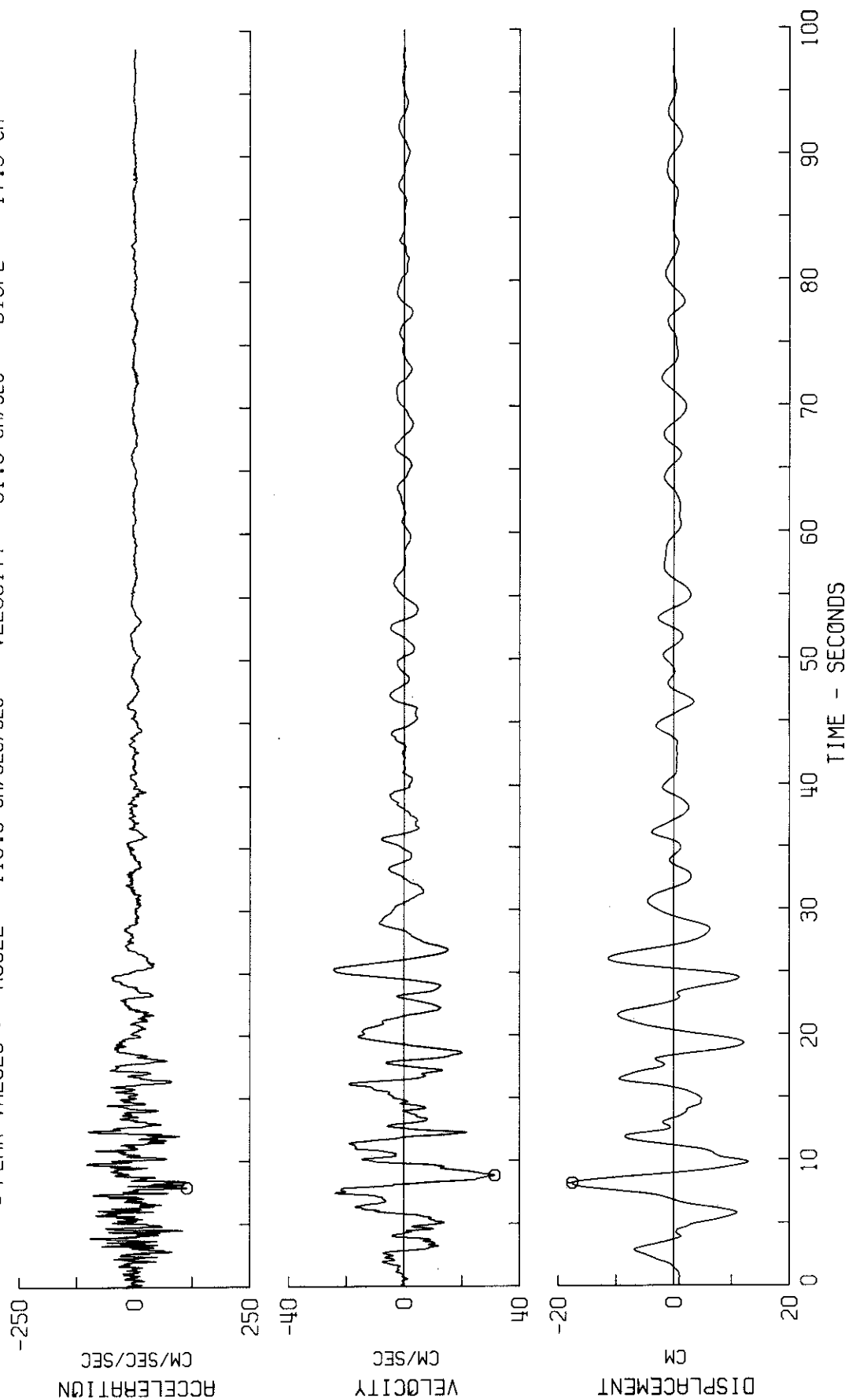
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IIJ144 71.009.0 LAKE HUGHES, ARRAY STATION 12, CAL. COMP N69W  
o PEAK VALUES : ACCEL = 277.9 CM/SEC/SEC VELOCITY = -12.4 CM/SEC DISPL = 8.9 CM



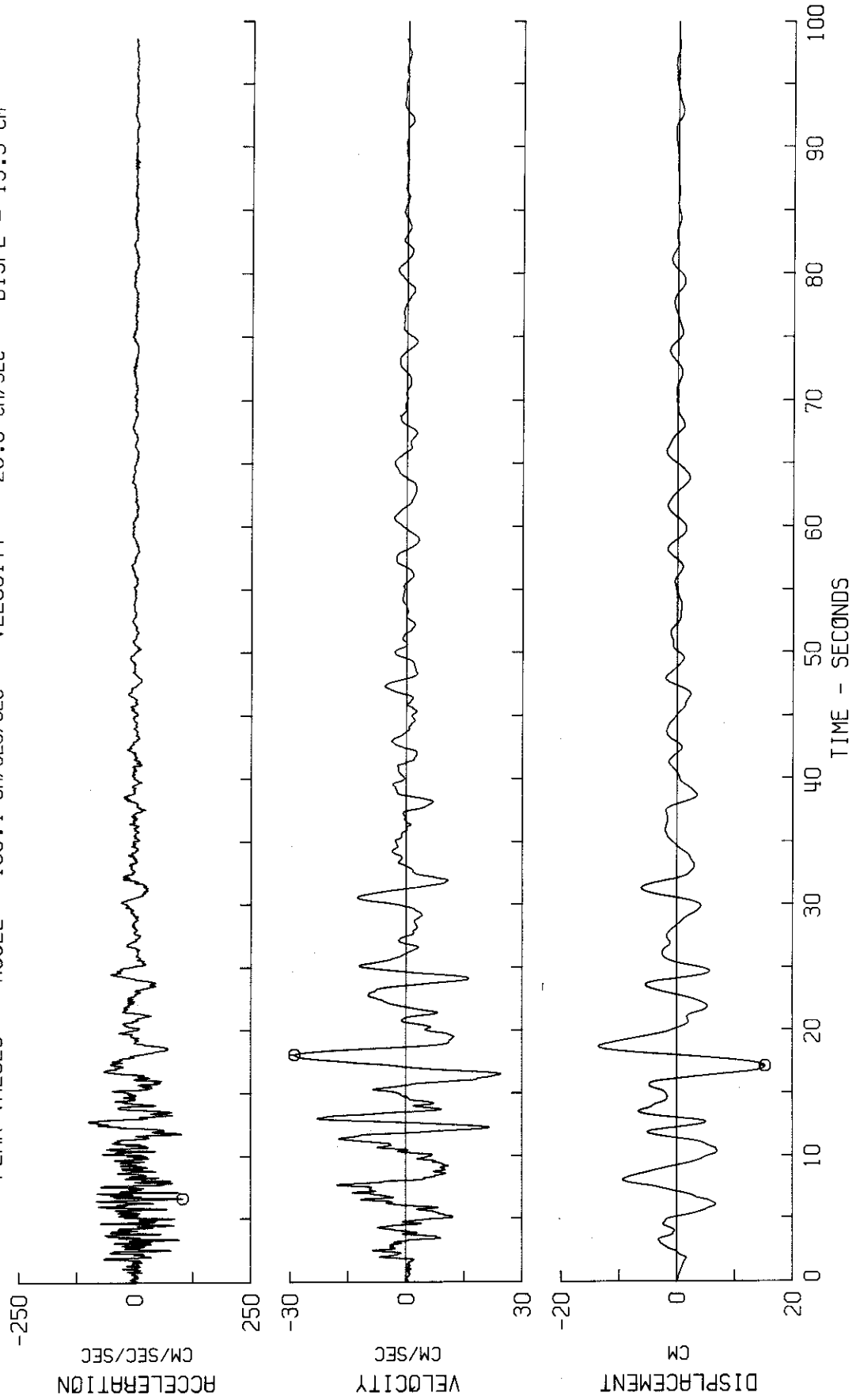
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIJ144 71.009.0 LAKE HUGHES, ARRAY STATION 12, CAL. COMP DOWN  
⊙ PEAK VALUES : ACCEL = -105.3 CM/SEC/SEC VELOCITY = -4.1 CM/SEC DISPL = -3.3 CM



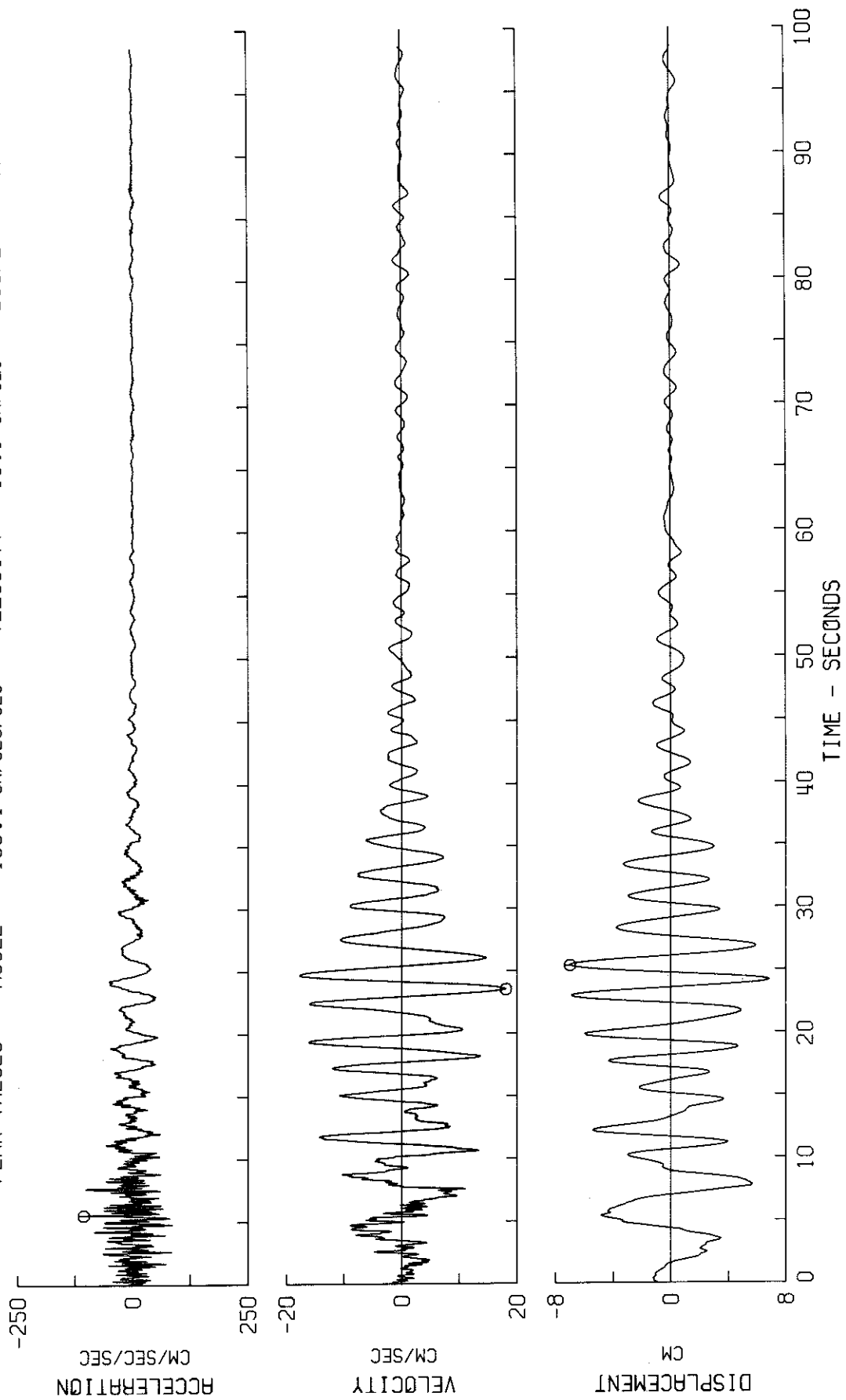
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
11J145 71.027.0 15107 VANOWEN STREET, BASEMENT, LOS ANGELES, CAL. COMP S00W  
PEAK VALUES : ACCEL = 113.9 CM/SEC/SEC VELOCITY = 31.5 CM/SEC DISPL = -17.5 CM



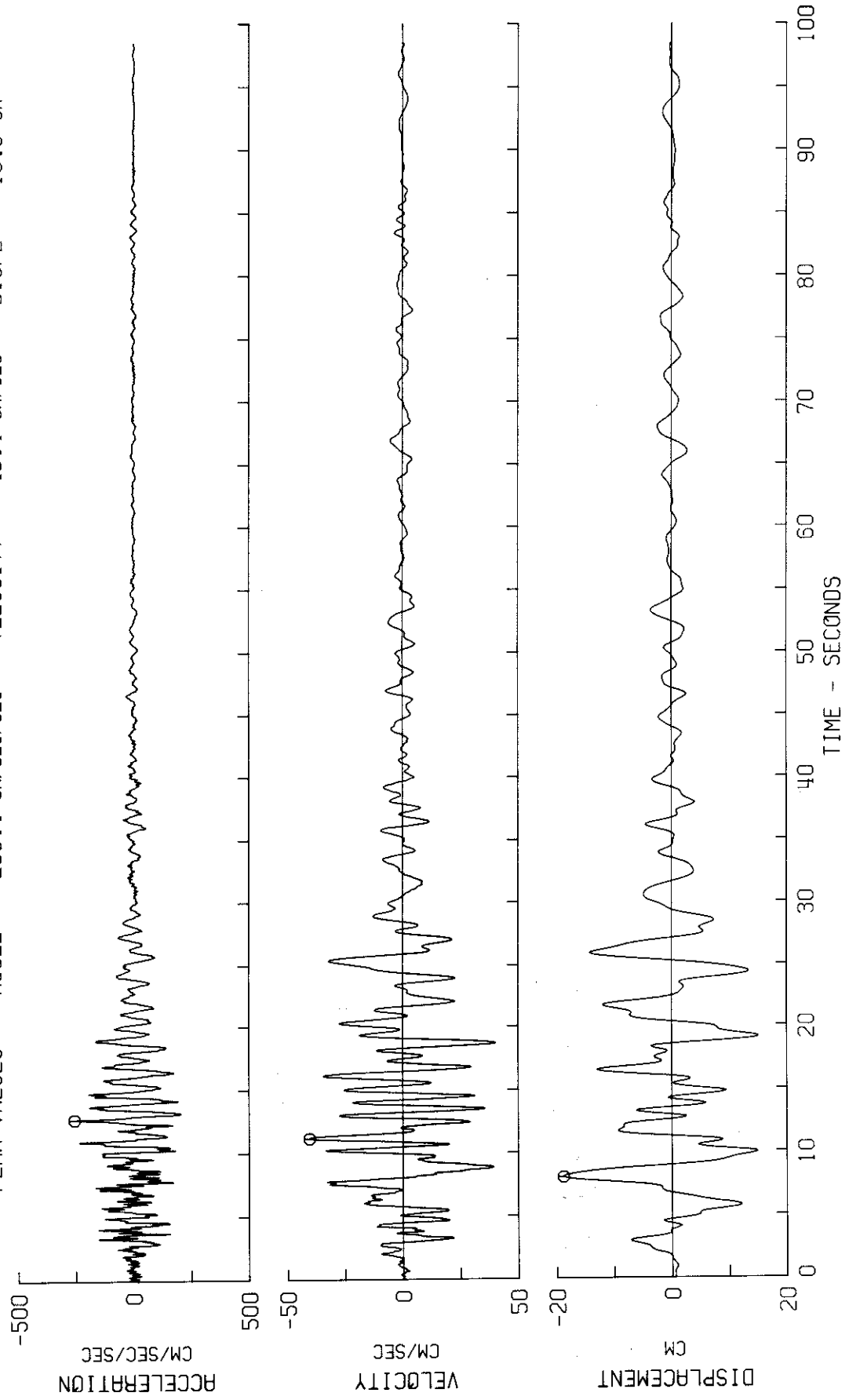
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIJ145 71.027.0 15107 VANOWEN STREET, BASEMENT, LOS ANGELES, CAL. COMP S90W  
PEAK VALUES : ACCEL = 103.4 CM/SEC/SEC VELOCITY = -28.8 CM/SEC DISPL = 15.3 CM



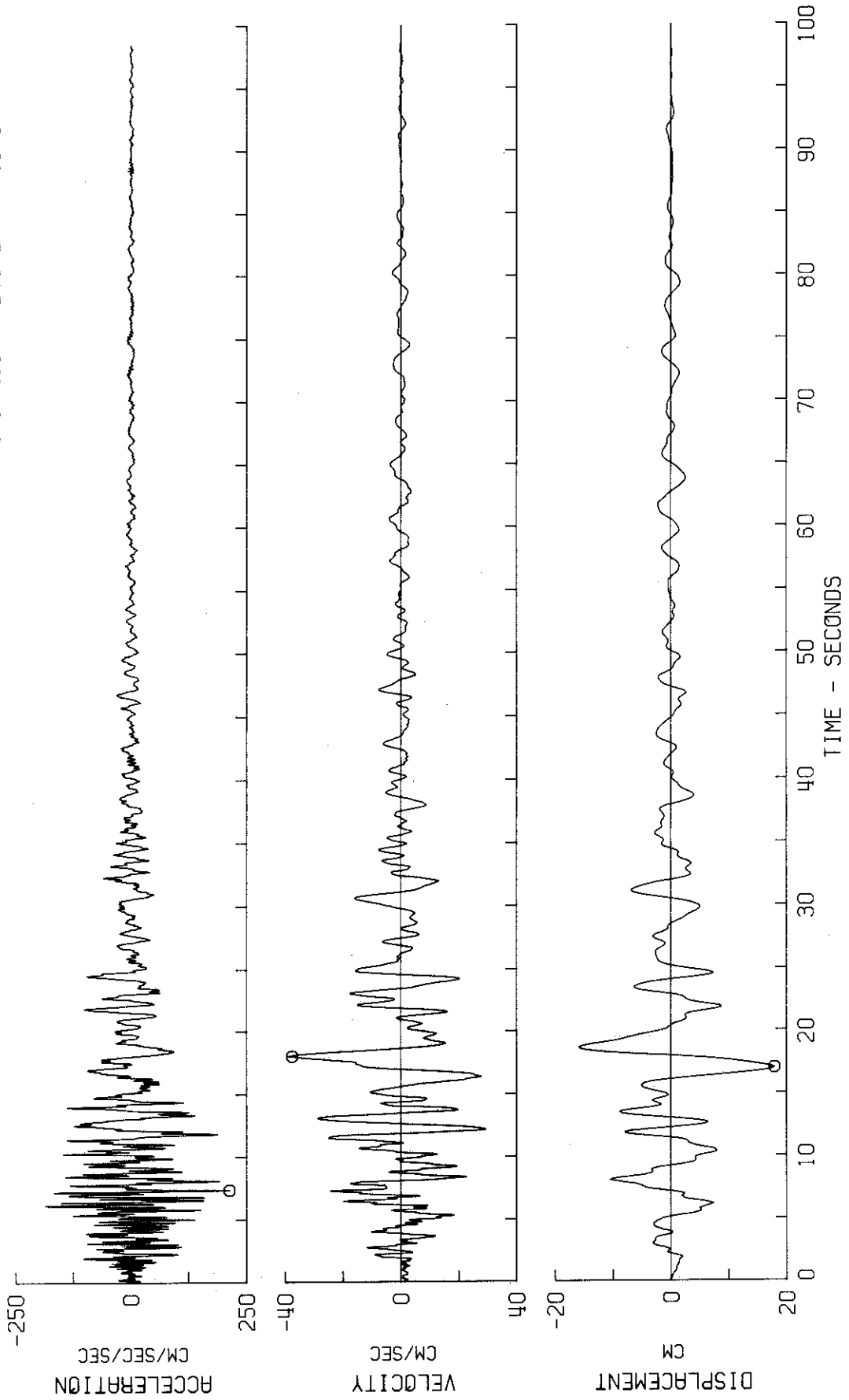
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIJ145 71.027.0 15107 VANOWEN STREET, BASEMENT, LOS ANGELES, CAL. COMP DOWN  
 ○ PEAK VALUES : ACCEL = -106.4 CM/SEC/SEC VELOCITY = 18.1 CM/SEC DISPL = -7.0 CM



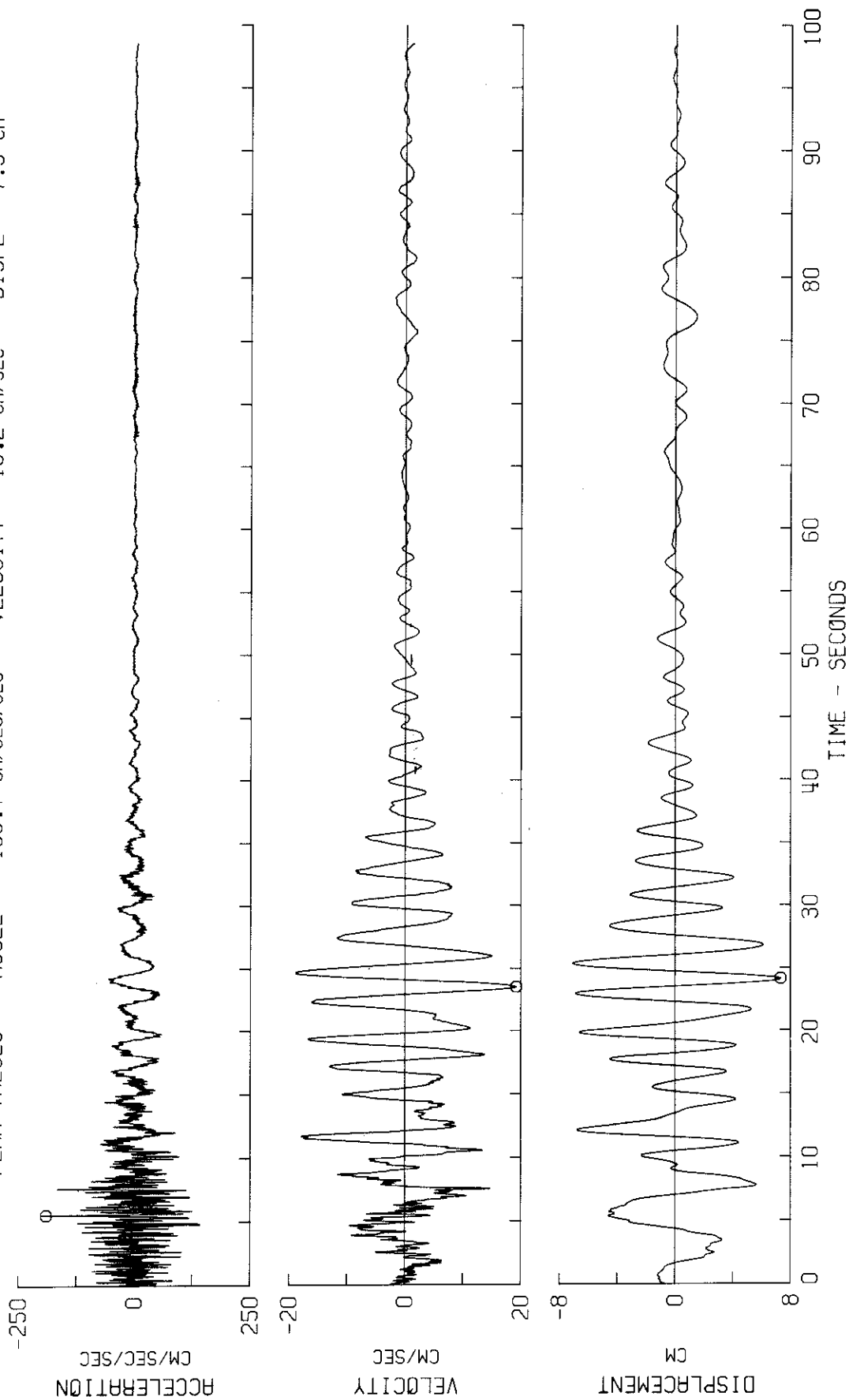
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIJ146 71.028.0 15107 VANOWEN STREET, 4TH FLOOR, LOS ANGELES, CAL. COMP SOOW  
PEAK VALUES : ACCEL = -255.4 CM/SEC/SEC VELOCITY = -40.4 CM/SEC DISPL = -18.8 CM



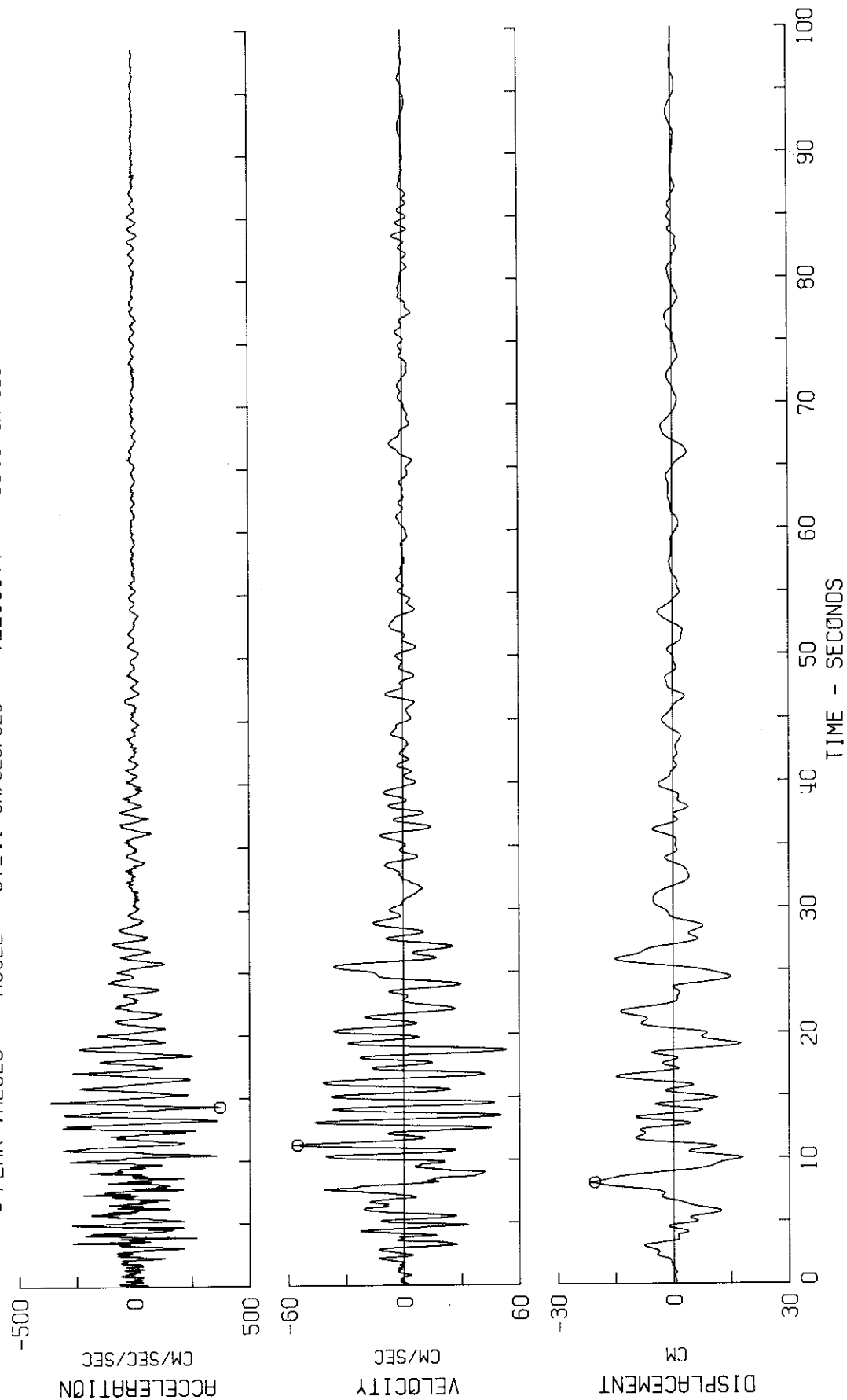
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIJ146 71.028.0 15107 VANDWEN STREET, 4TH FLOOR, LOS ANGELES, CAL. COMP S90W  
PEAK VALUES : ACCEL = 213.8 CM/SEC/SEC VELOCITY = -37.6 CM/SEC DISPL = 17.9 CM



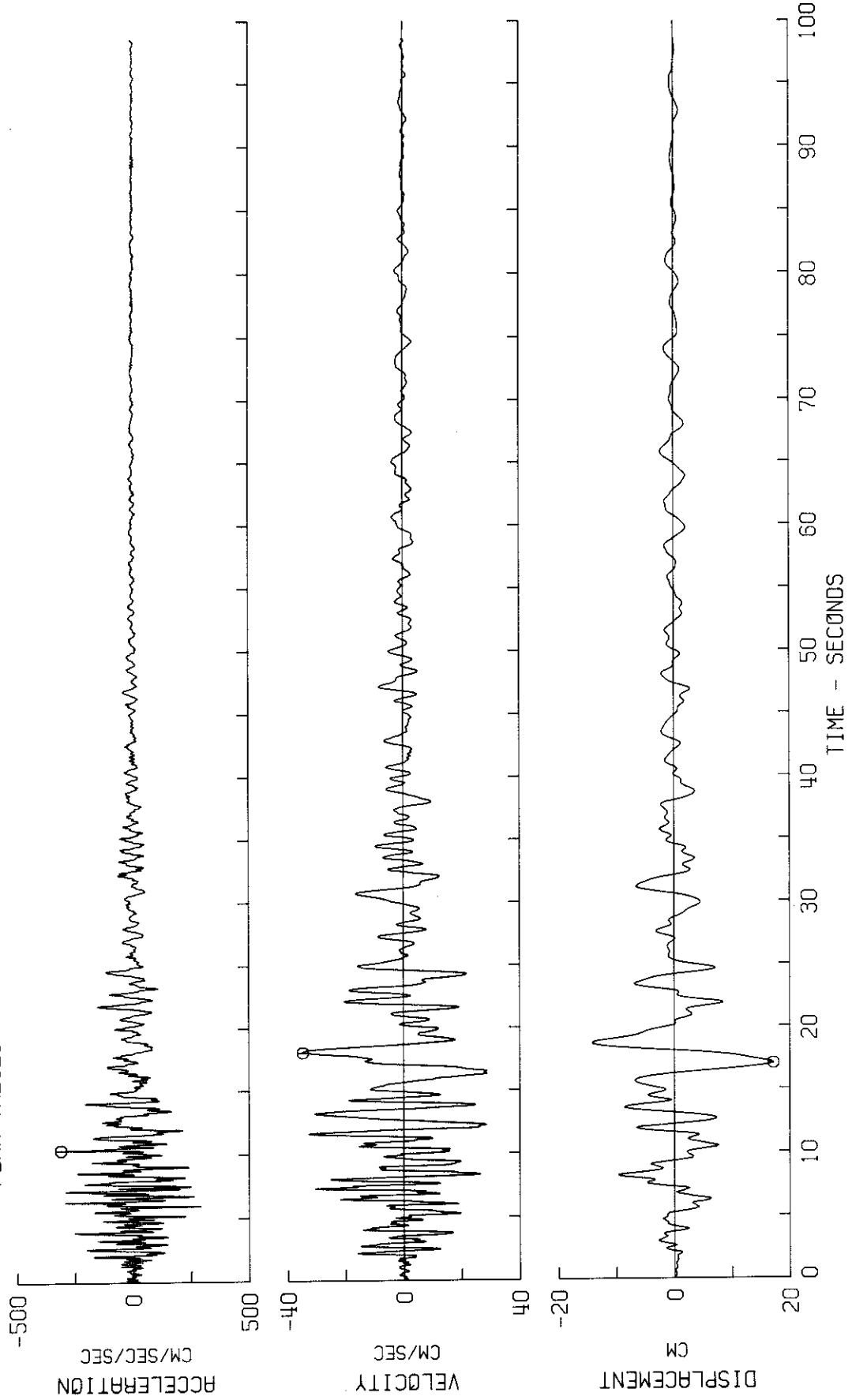
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIJ146 71.028.0 15107 VANOWEN STREET, 4TH FLOOR, LOS ANGELES, CAL. COMP DOWN  
 ○ PEAK VALUES : ACCEL = -189.7 CM/SEC/SEC VELOCITY = 19.2 CM/SEC DISPL = 7.3 CM



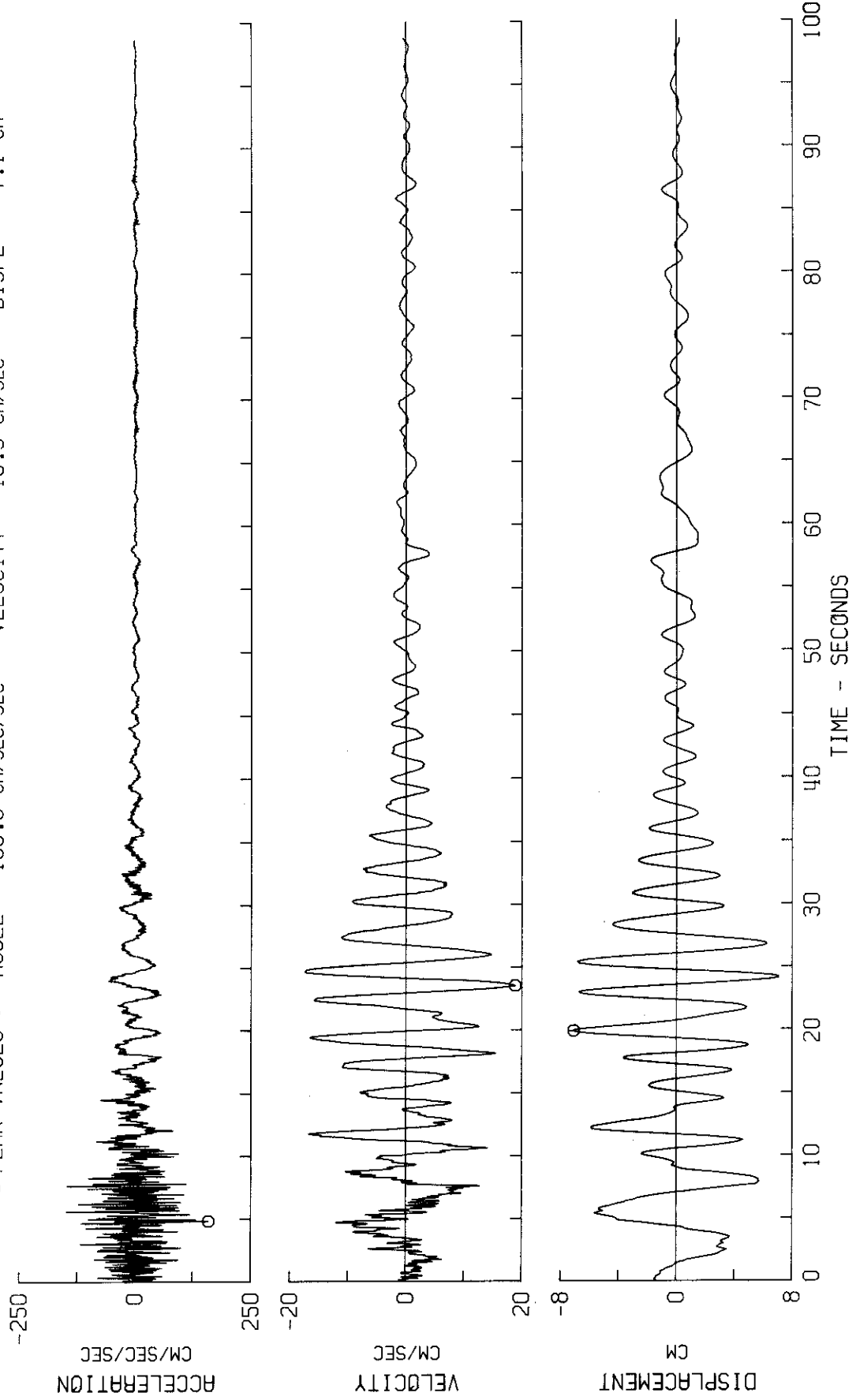
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIJ147 71.030.0 15107 VANOWEN STREET, ROOF, LOS ANGELES, CAL. COMP S00W  
 ○ PEAK VALUES : ACCEL = 372.1 CM/SEC/SEC VELOCITY = -55.1 CM/SEC DISPL = -20.5 CM



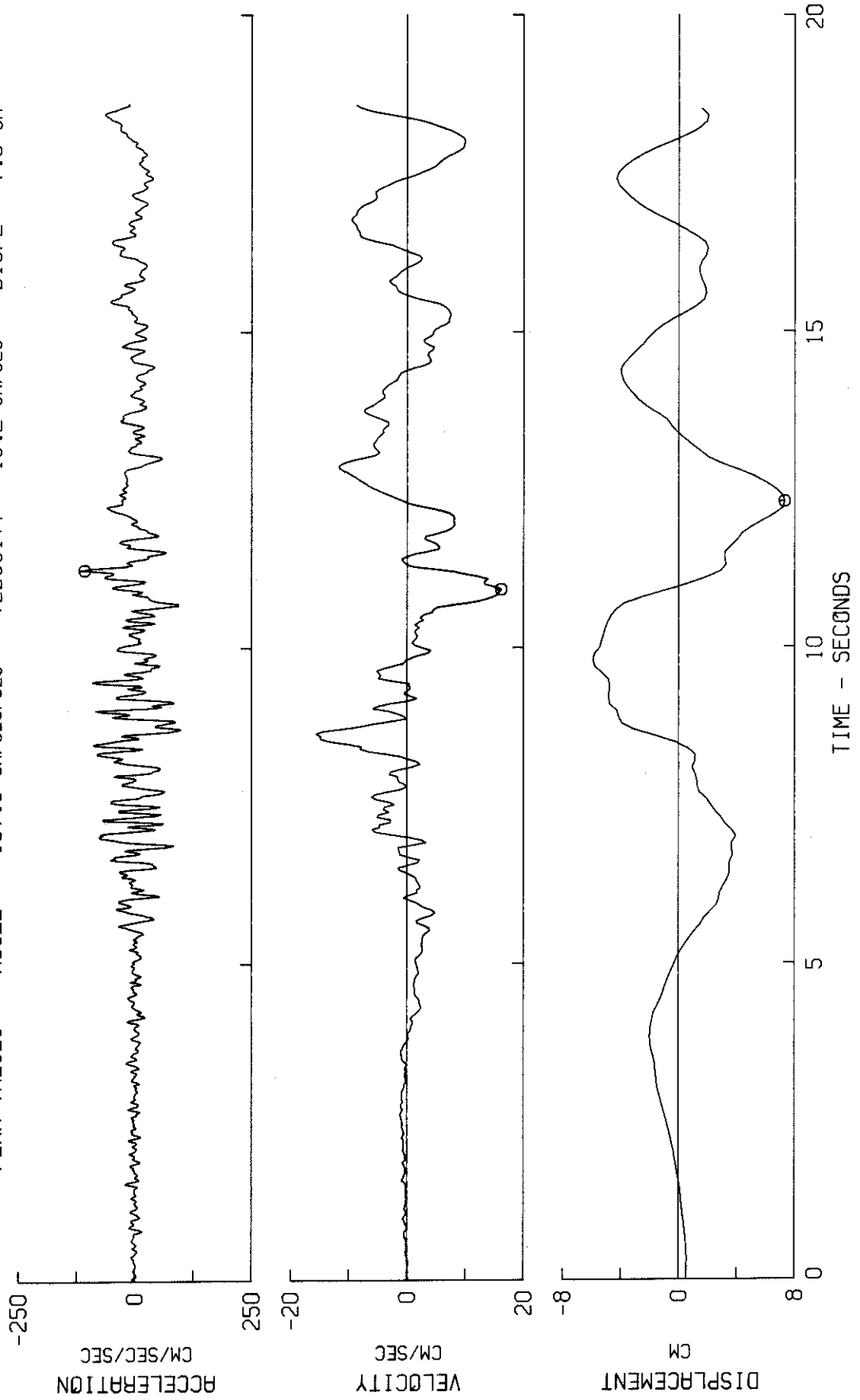
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
11J147 71.030.0 15107 VANOWEN STREET, ROOF, LOS ANGELES, CAL. COMP S90W  
PEAK VALUES : ACCEL = -311.1 CM/SEC/SEC VELOCITY = -34.7 CM/SEC DISPL = 17.2 CM



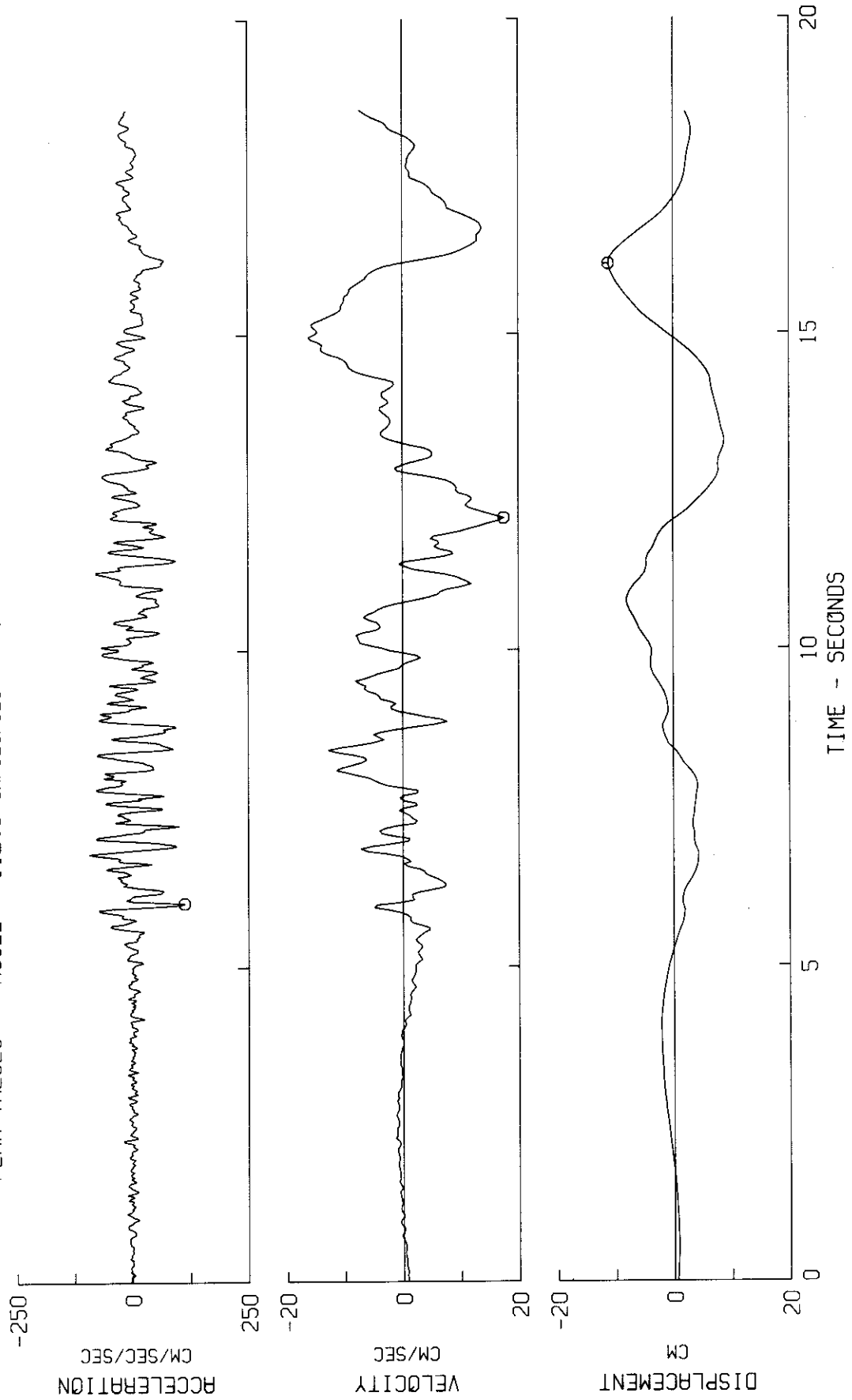
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIJ147 71.030.0 15107 VANOWEN STREET, ROOF, LOS ANGELES, CAL. COMP DOWN  
O PEAK VALUES : ACCEL = 158.9 CM/SEC/SEC VELOCITY = 18.9 CM/SEC DISPL = -7.1 CM



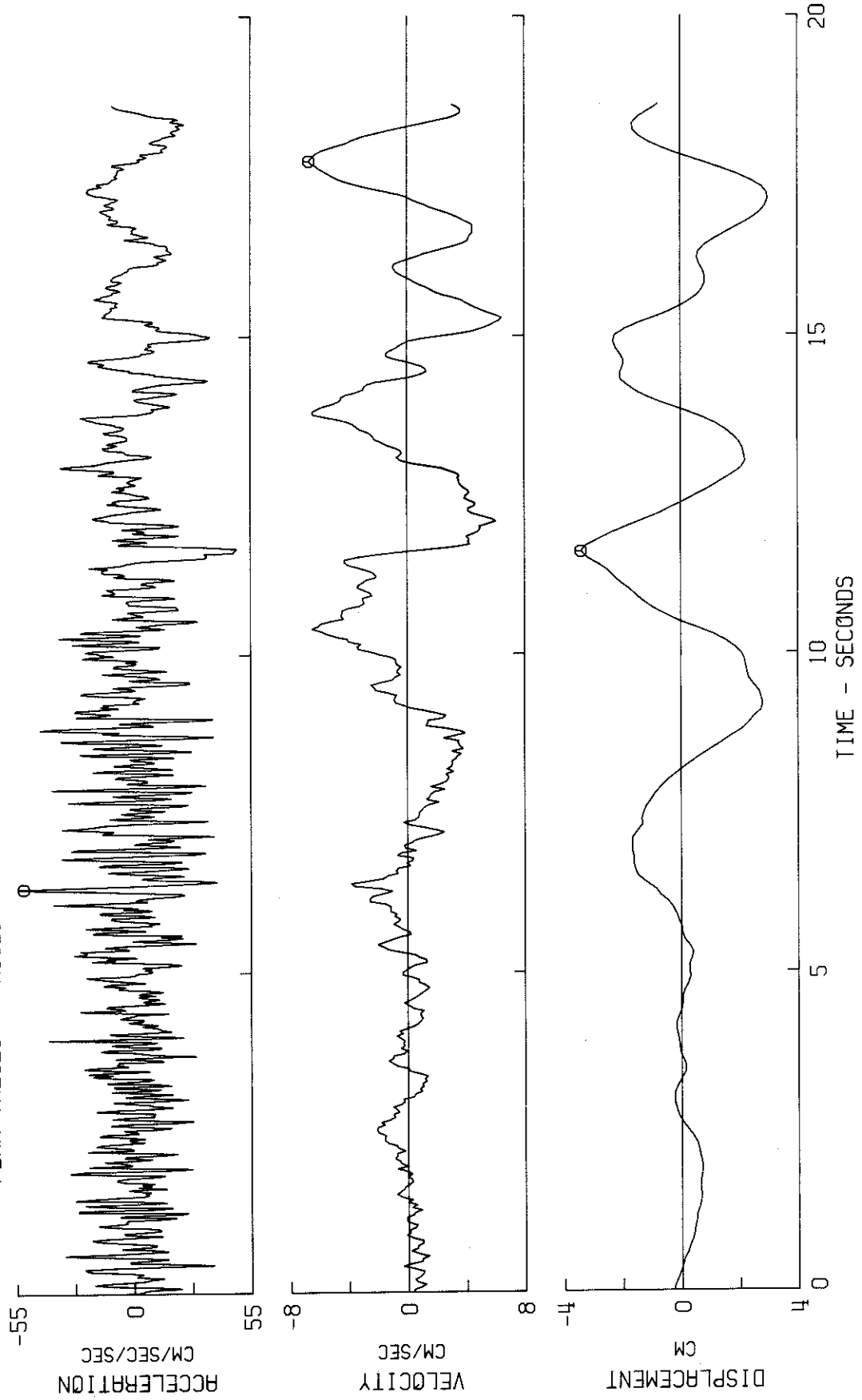
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIJ148 71.070.0 616 S. NORMANDIE AVENUE, BASEMENT, LOS ANGELES, CAL. COMP NOOE  
O PEAK VALUES : ACCEL = -107.6 CM/SEC/SEC VELOCITY = 16.2 CM/SEC DISPL = 7.3 CM



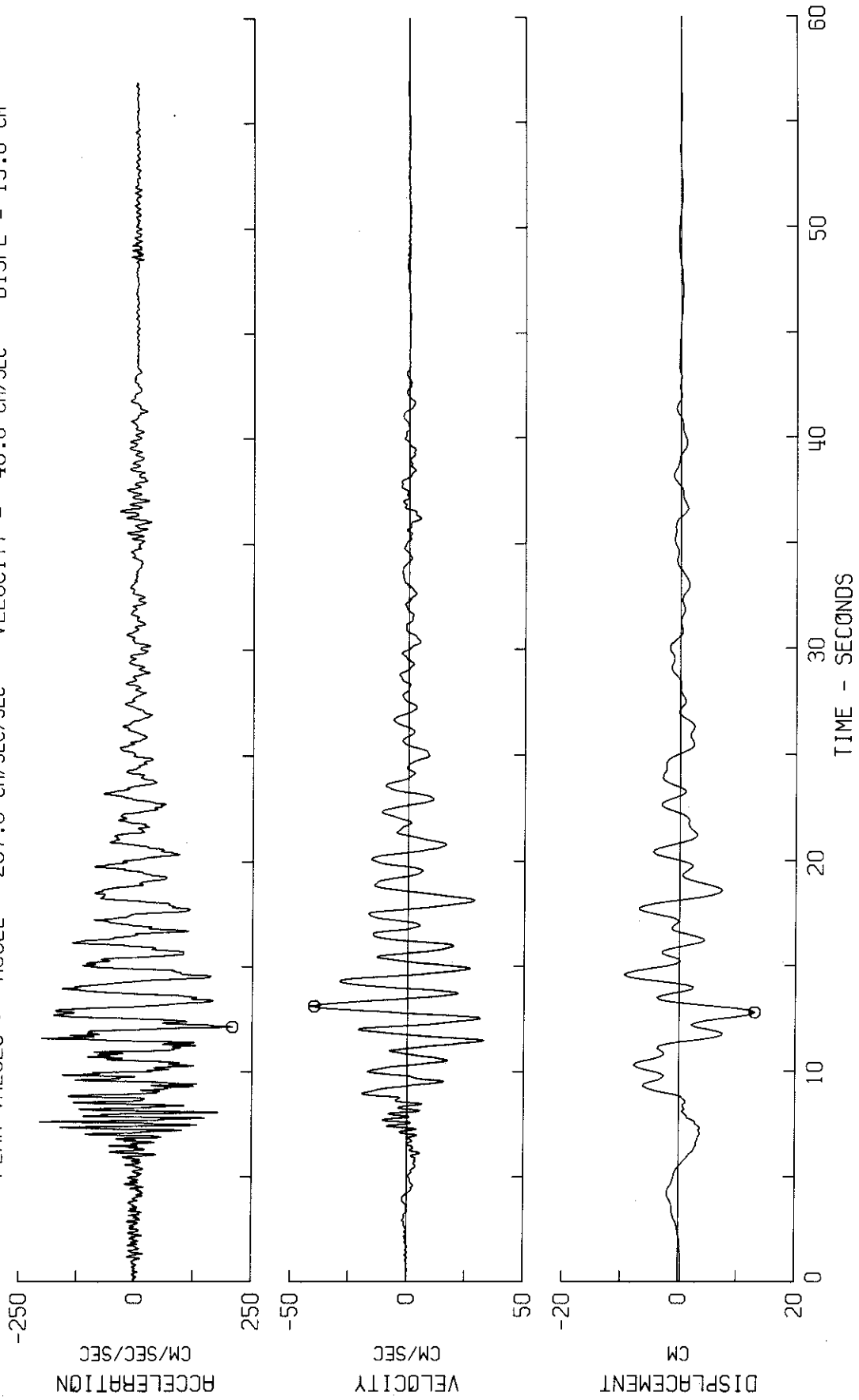
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
11J148 71.070.0 616 S. NORMANDIE AVENUE, BASEMENT, LOS ANGELES, CAL. COMP S90W  
Ø PEAK VALUES : ACCEL = 112.0 CM/SEC/SEC VELOCITY = 17.5 CM/SEC DISPL = -11.1 CM



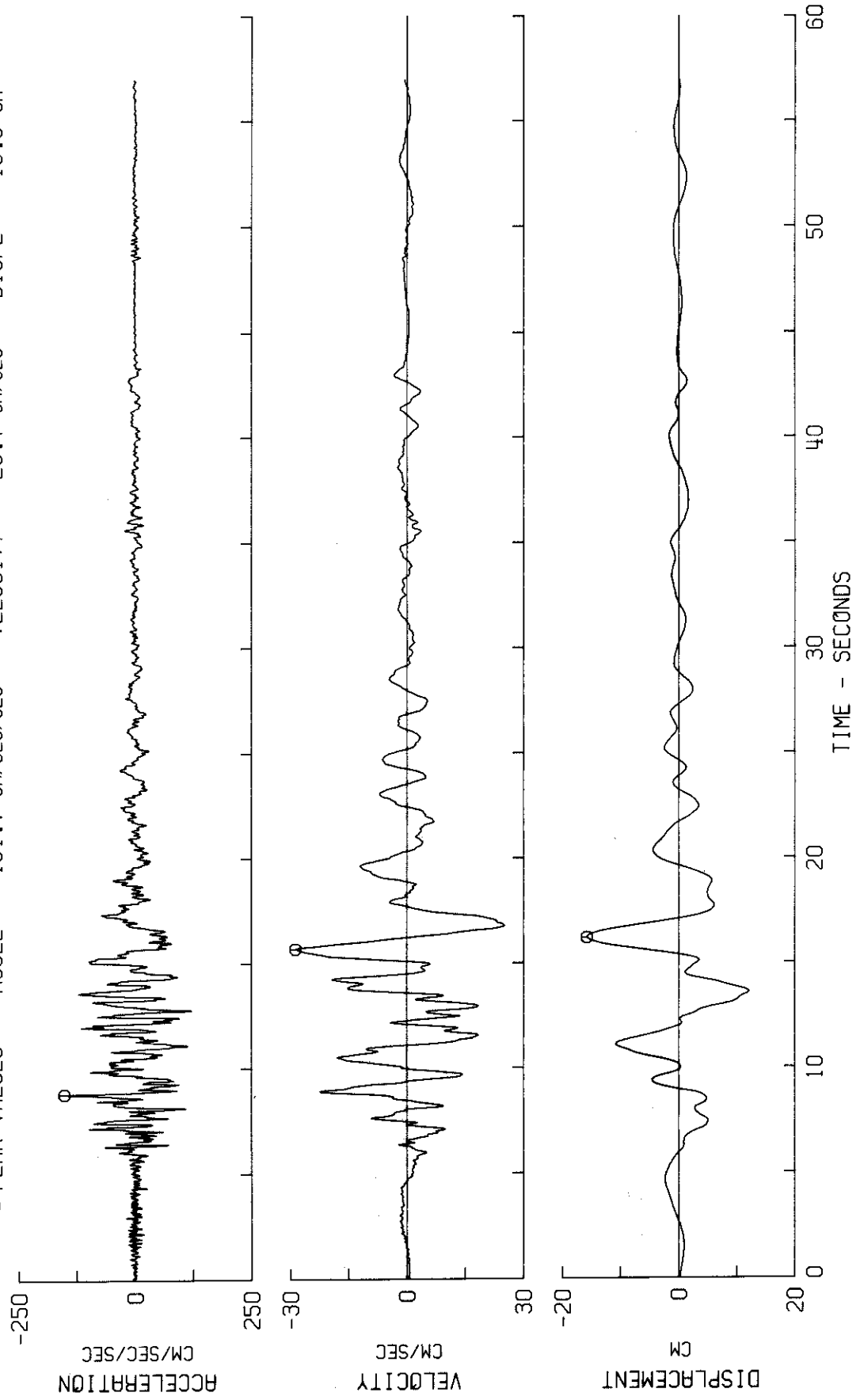
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIJ148 71.070.0 616 S. NORMANDIE AVENUE, BASEMENT, LOS ANGELES, CAL. COMP DOWN  
PEAK VALUES: ACCEL = -51.6 CM/SEC/SEC VELOCITY = -6.7 CM/SEC DISPL = -3.4 CM



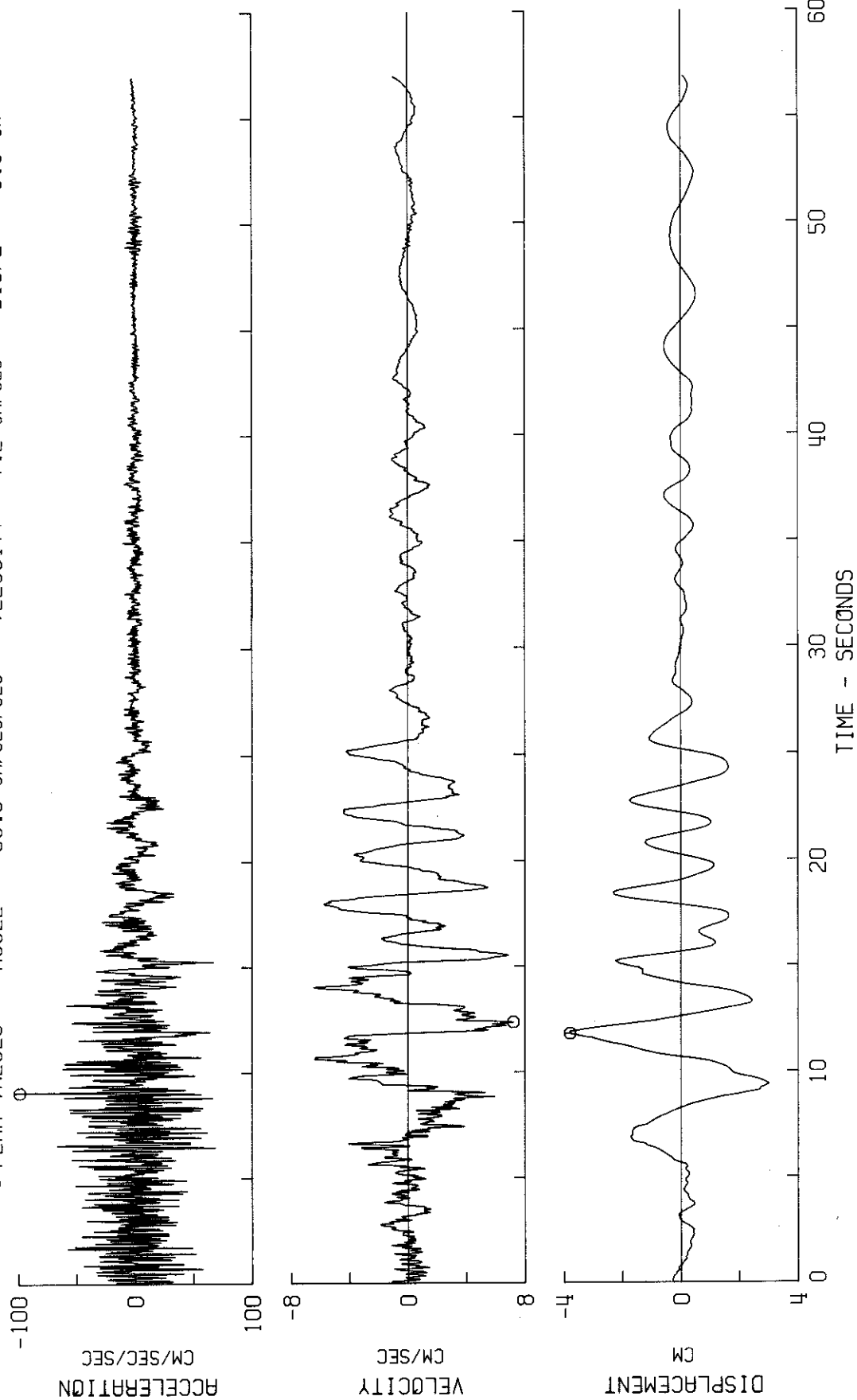
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIJ149 71.074.0 616 S. NORMANDIE AVENUE, 8TH FLOOR, LOS ANGELES, CAL. COMP NOOE  
 PEAK VALUES : ACCEL = 207.8 CM/SEC/SEC VELOCITY = -40.0 CM/SEC DISPL = 13.0 CM



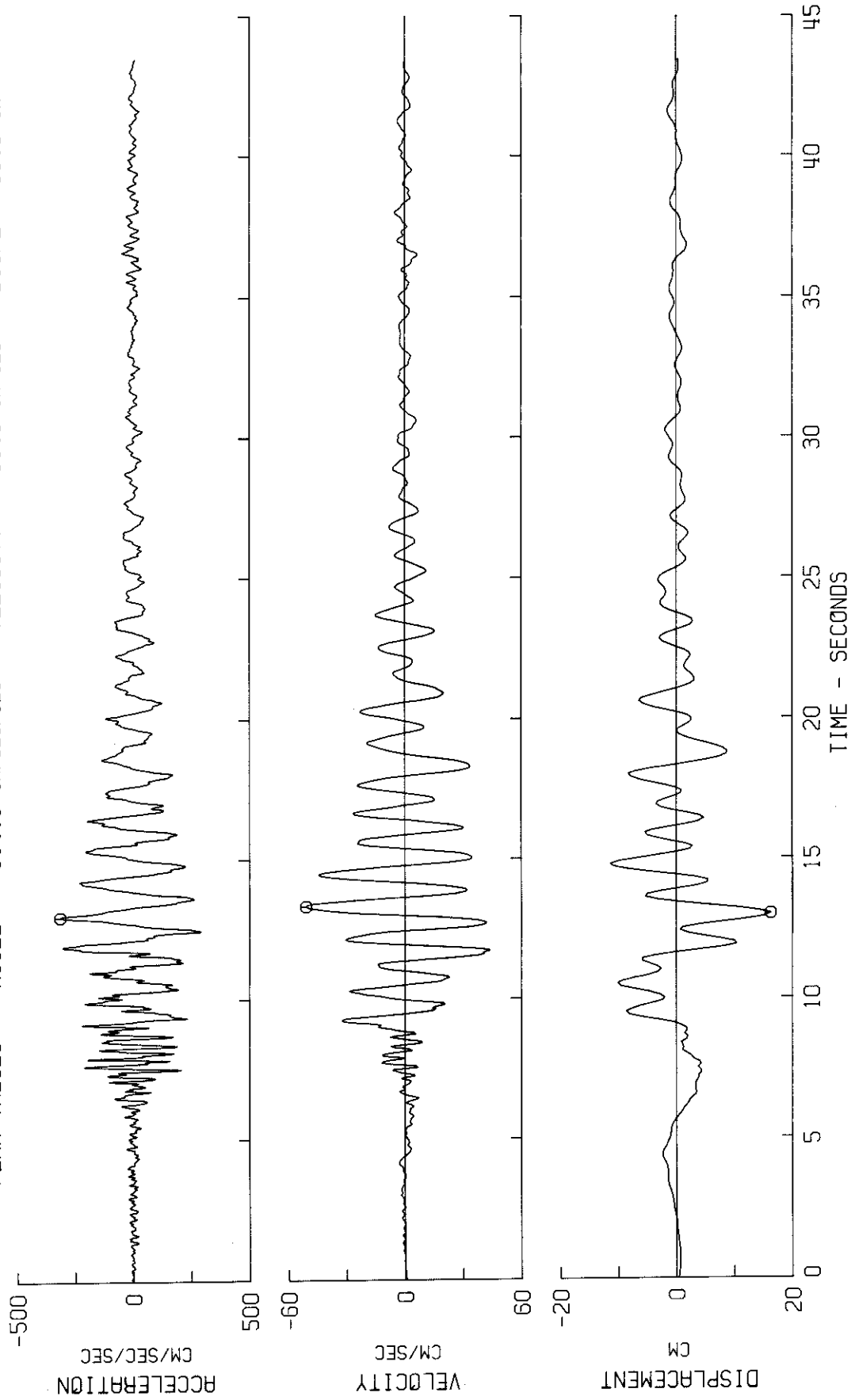
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIJ149 71.074.0 616 S. NORMANDIE AVENUE, 8TH FLOOR, LOS ANGELES, CAL. COMP S90W  
PEAK VALUES : ACCEL = -151.7 CM/SEC/SEC VELOCITY = -28.7 CM/SEC DISPL = -15.8 CM



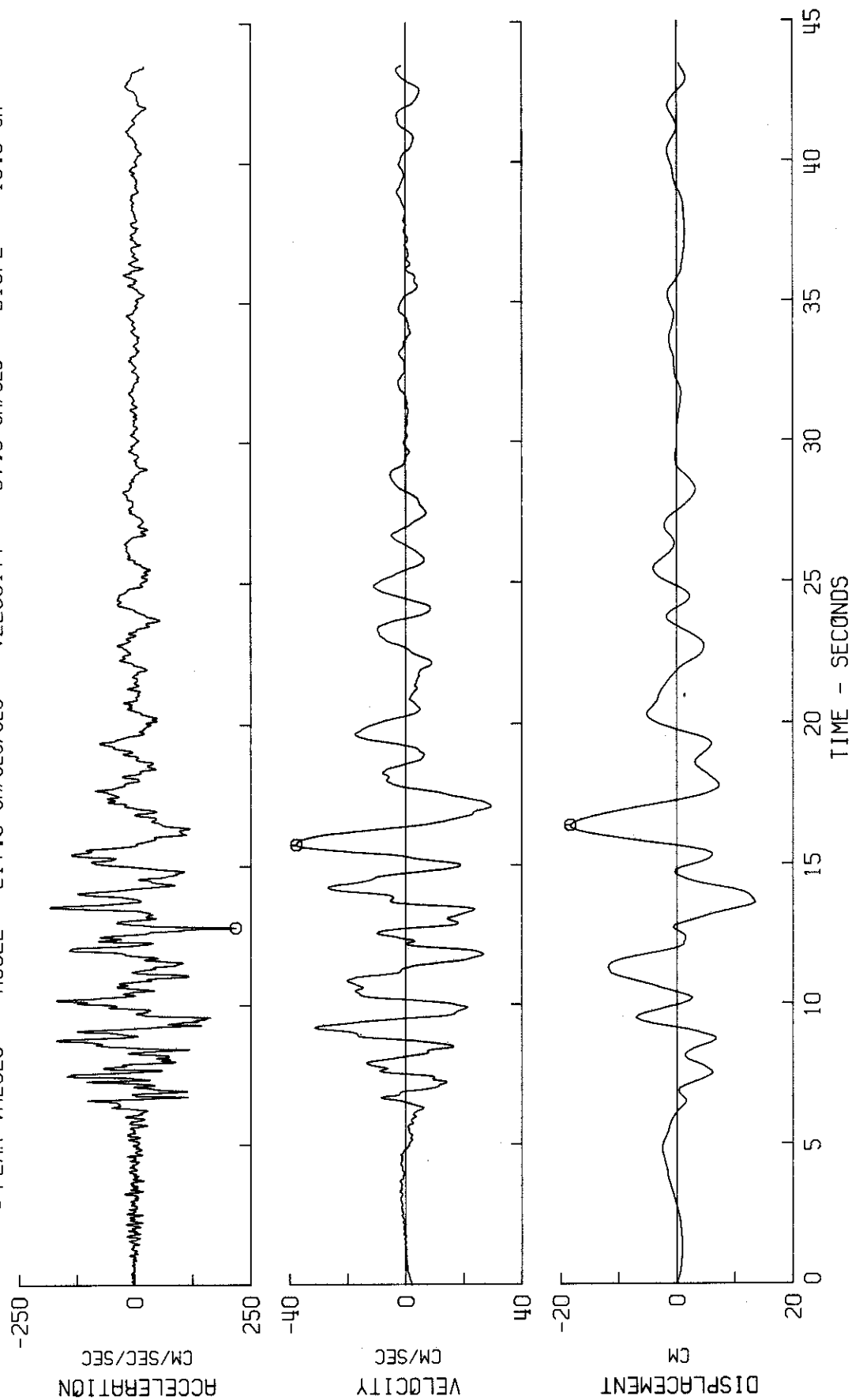
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 11J149 71.074.0 616 S. NORMANDIE AVENUE, 8TH FLOOR, LOS ANGELES, CAL. COMP DOWN  
 ○ PEAK VALUES : ACCEL = -99.0 CM/SEC/SEC VELOCITY = 7.2 CM/SEC DISPL = -3.8 CM



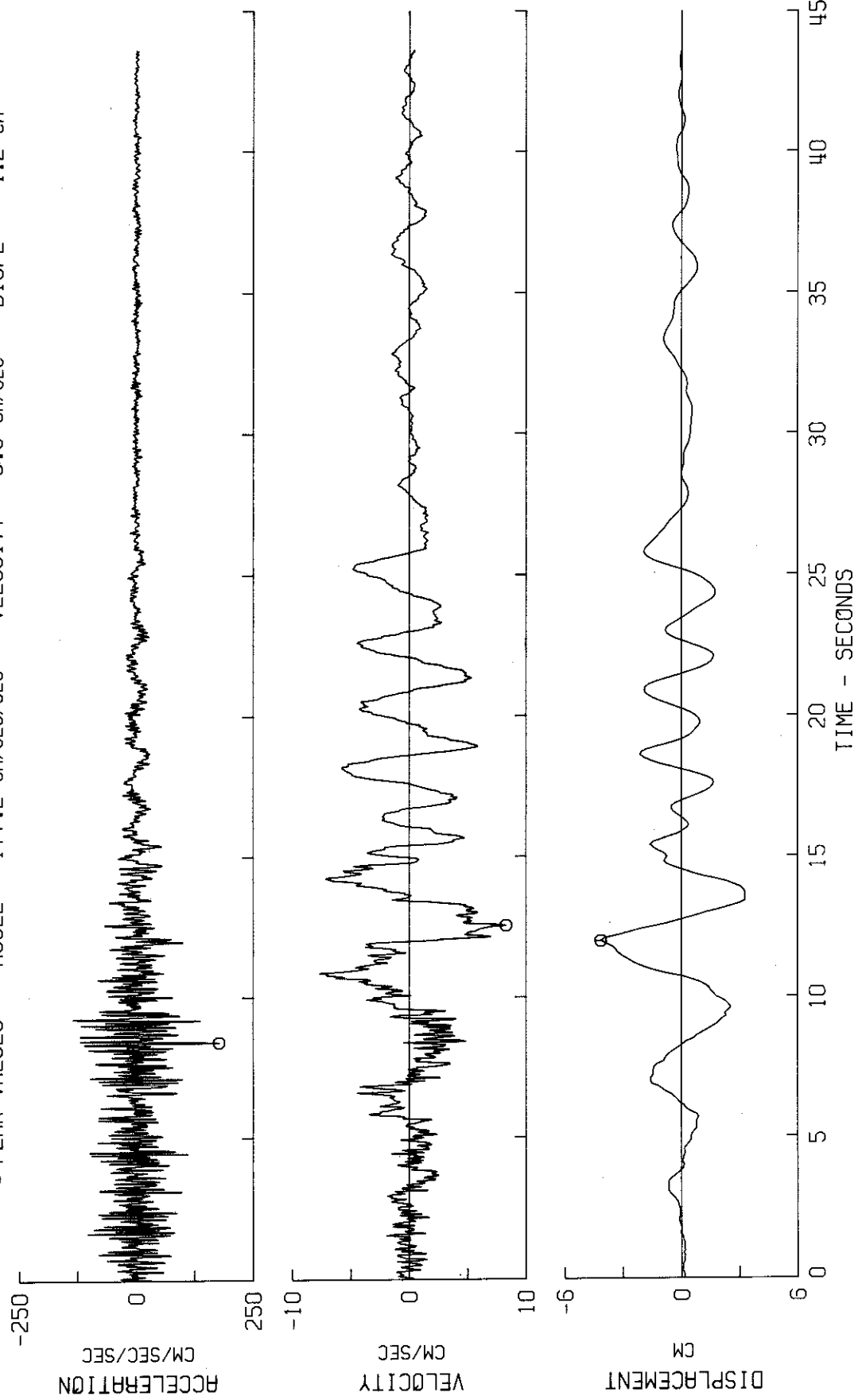
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
11J150 71.073.0 616 S. NORMANDIE AVENUE, ROOF, LOS ANGELES, CAL. COMP NOOE  
PEAK VALUES: ACCEL = -314.0 CM/SEC/SEC VELOCITY = -50.9 CM/SEC DISPL = 16.3 CM



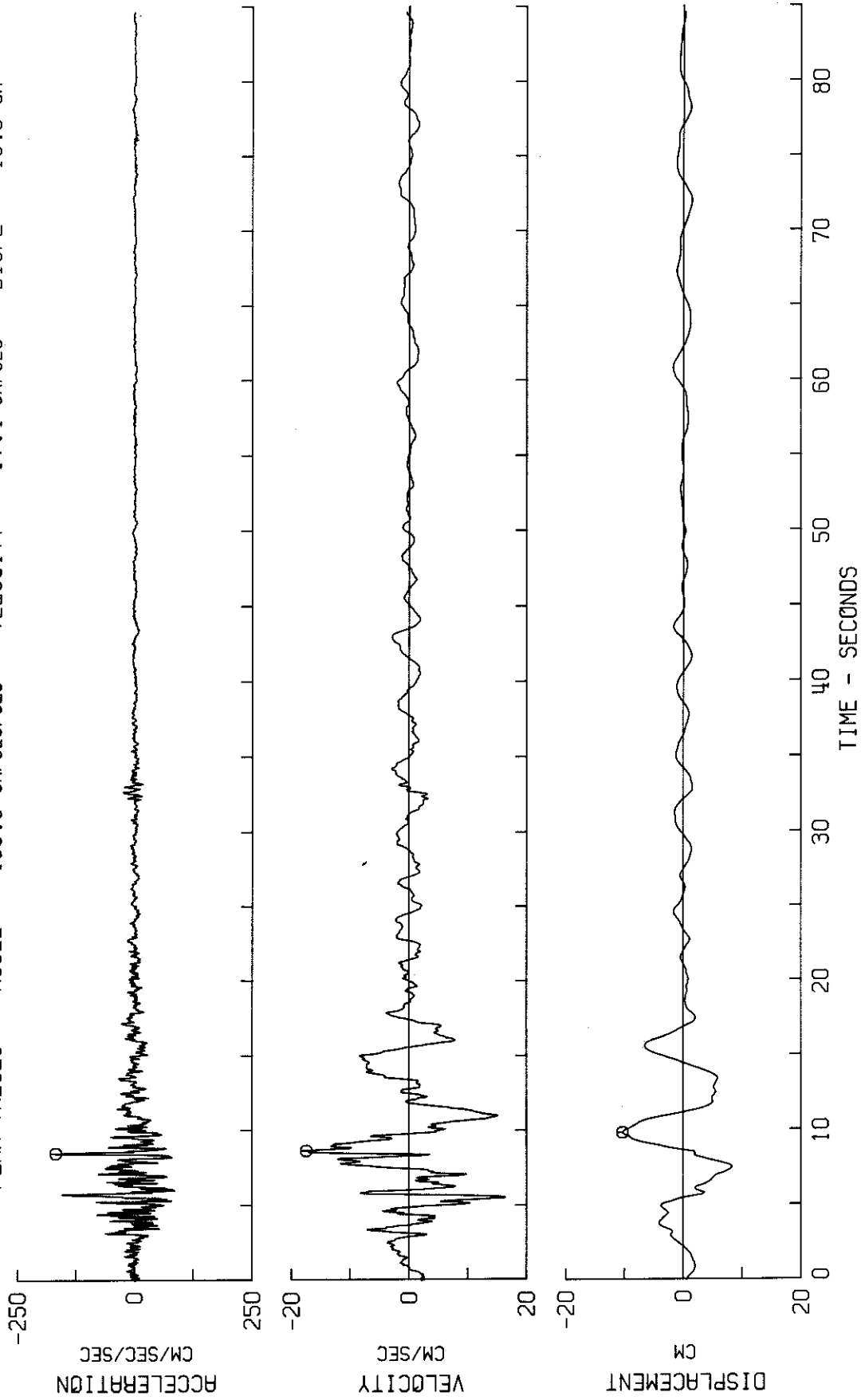
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIJ150 71.073.0 616 S. NORMANDIE AVENUE, ROOF, LOS ANGELES, CAL. COMP S90W  
 o PEAK VALUES : ACCEL = 217.8 CM/SEC/SEC VELOCITY = -37.6 CM/SEC DISPL = -18.3 CM



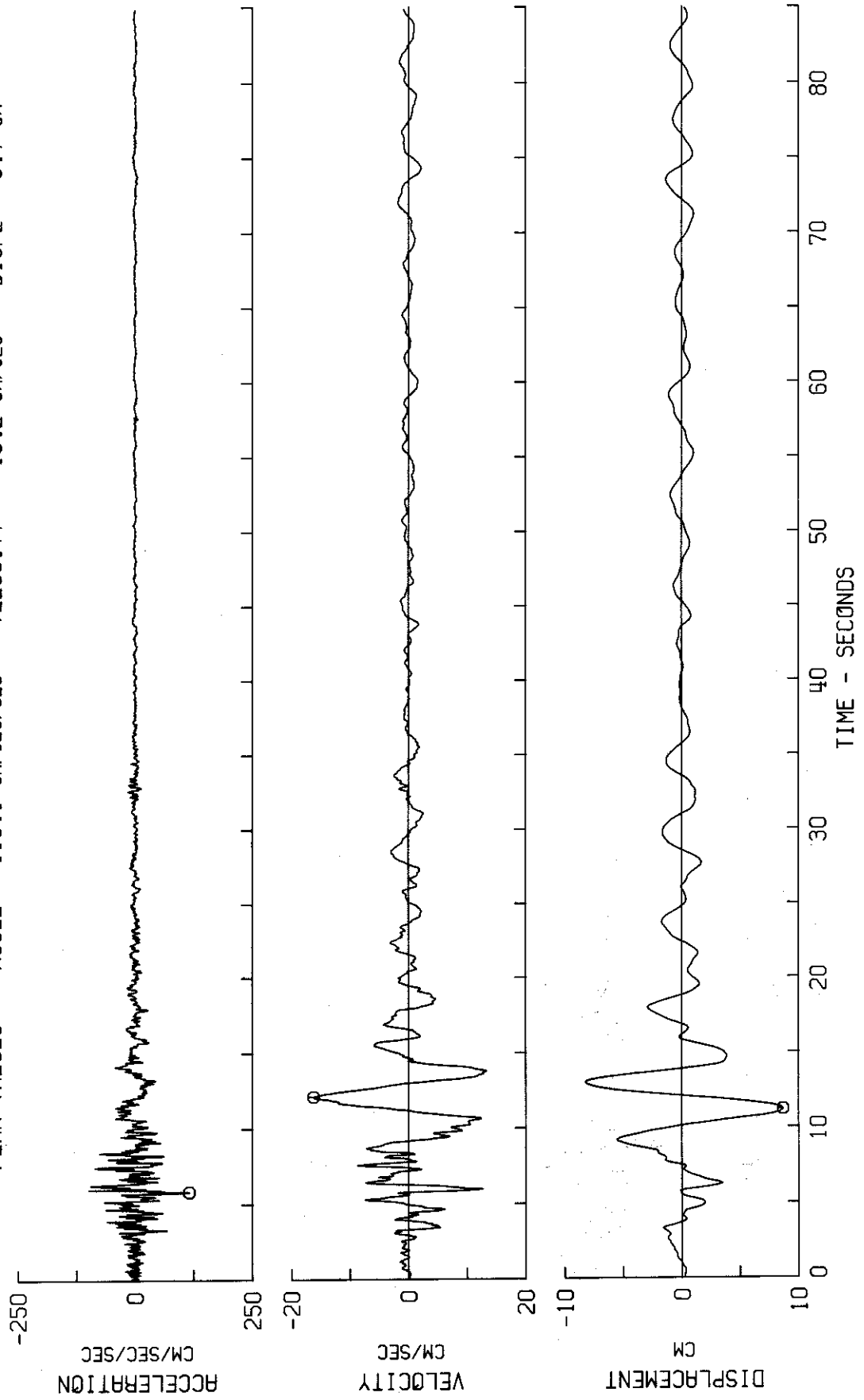
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 11J150 71.073.0 616 S. NORMANDIE AVENUE, ROOF, LOS ANGELES, CAL. COMP DOWN  
 ○ PEAK VALUES : ACCEL = 177.2 CM/SEC/SEC VELOCITY = 8.3 CM/SEC DISPL = -4.2 CM



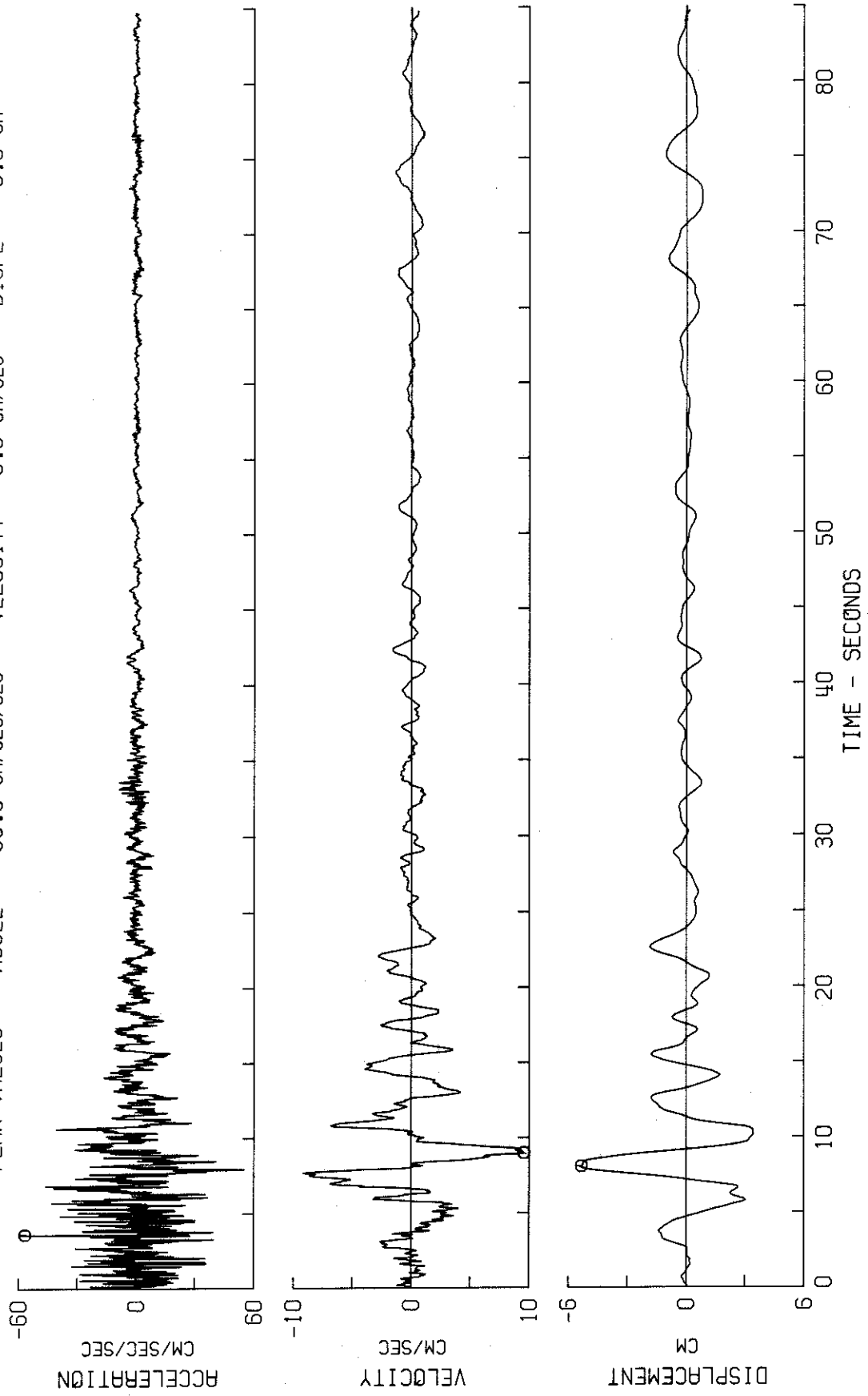
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK157 71.076.0 420 S. GRAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP S53E  
⊙ PEAK VALUES : ACCEL = -168.3 CM/SEC/SEC VELOCITY = -17.4 CM/SEC DISPL = -10.3 CM



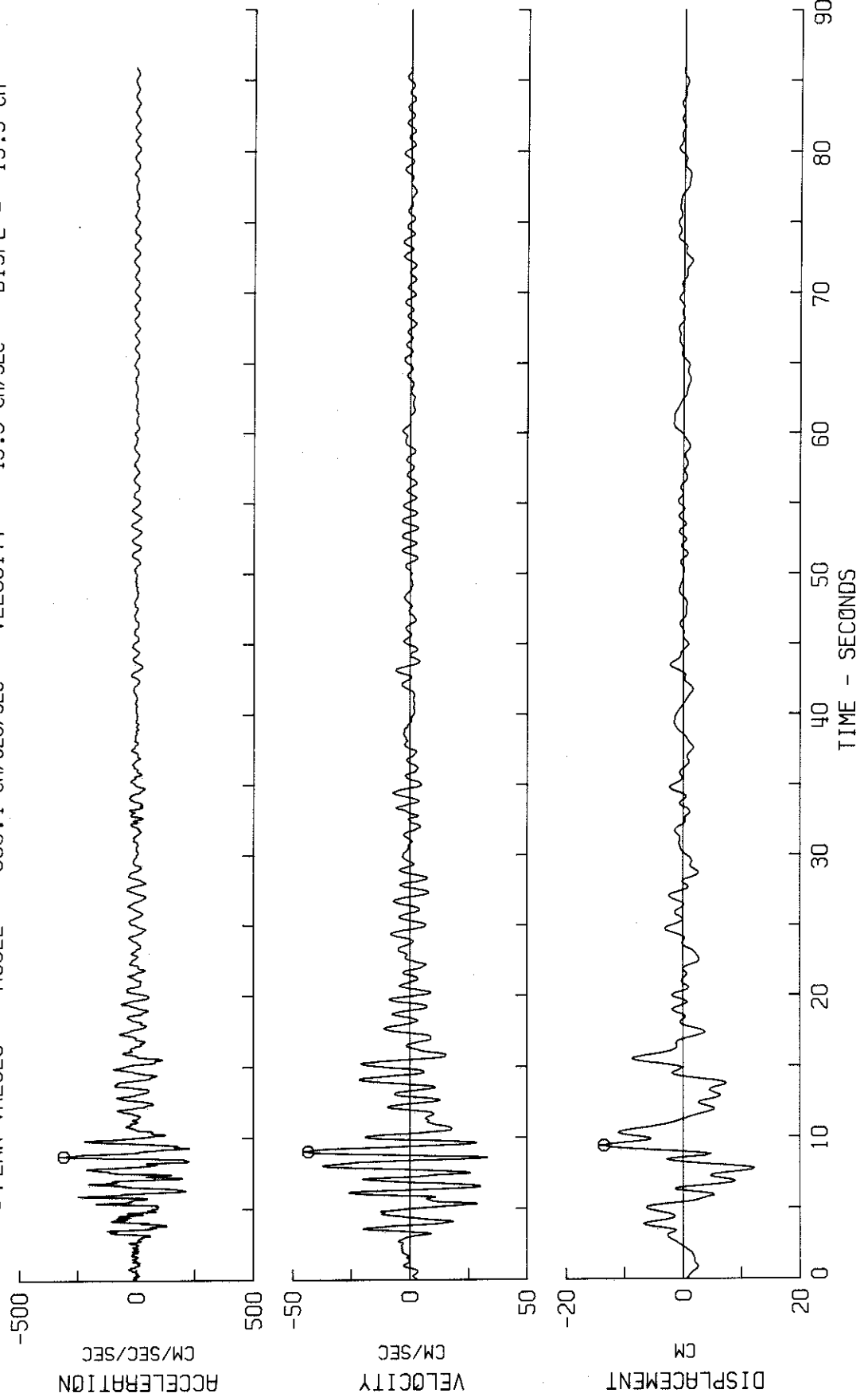
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK157 71.076.0 420 S. GRAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP S37W  
o PEAK VALUES : ACCEL = 116.1 CM/SEC/SEC VELOCITY = -16.2 CM/SEC DISPL = 8.7 CM



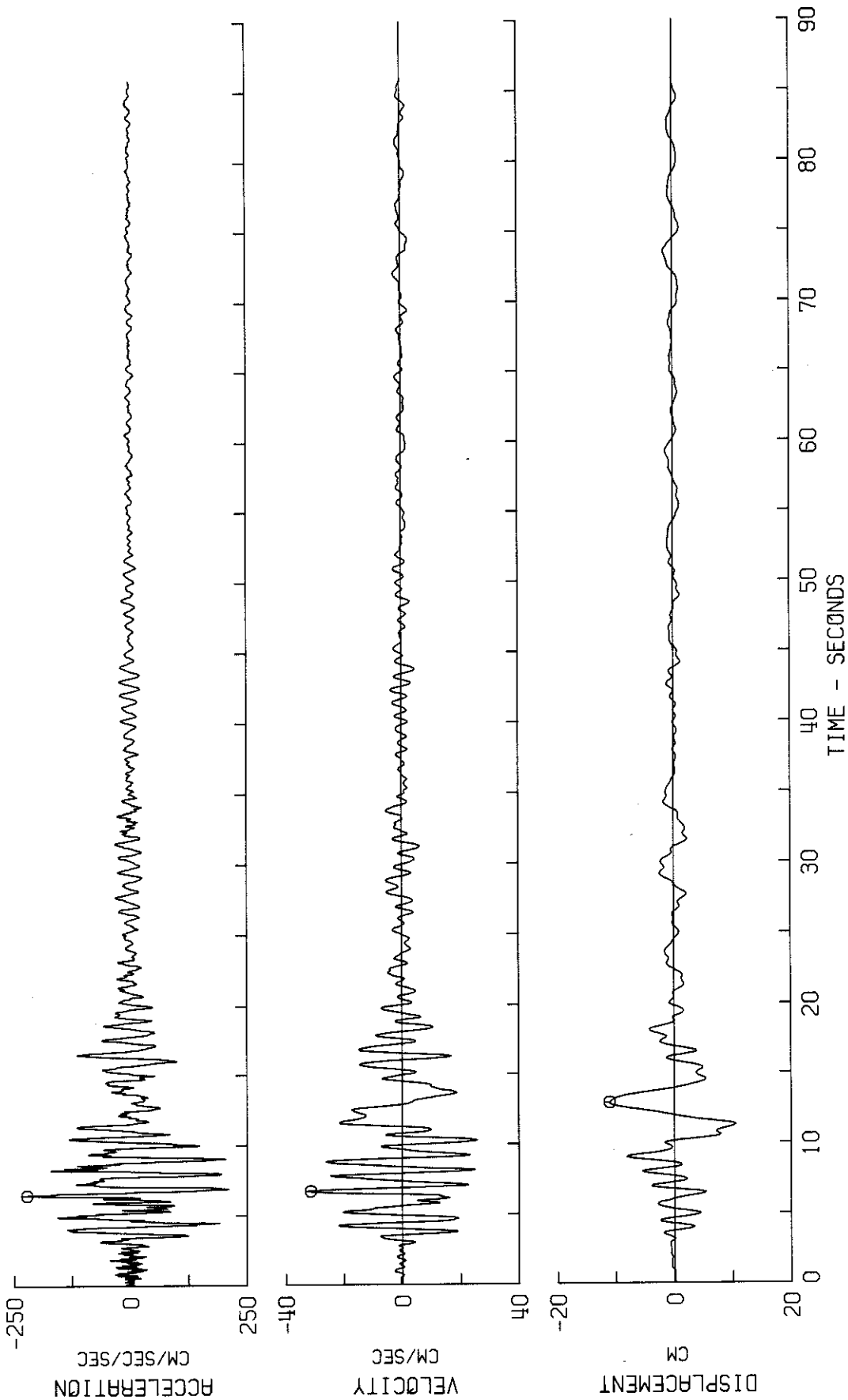
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK157 71.076.0 420 S. GRAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP DOWN  
Ø PEAK VALUES : ACCEL = -56.5 CM/SEC/SEC VELOCITY = 9.6 CM/SEC DISPL = -5.3 CM



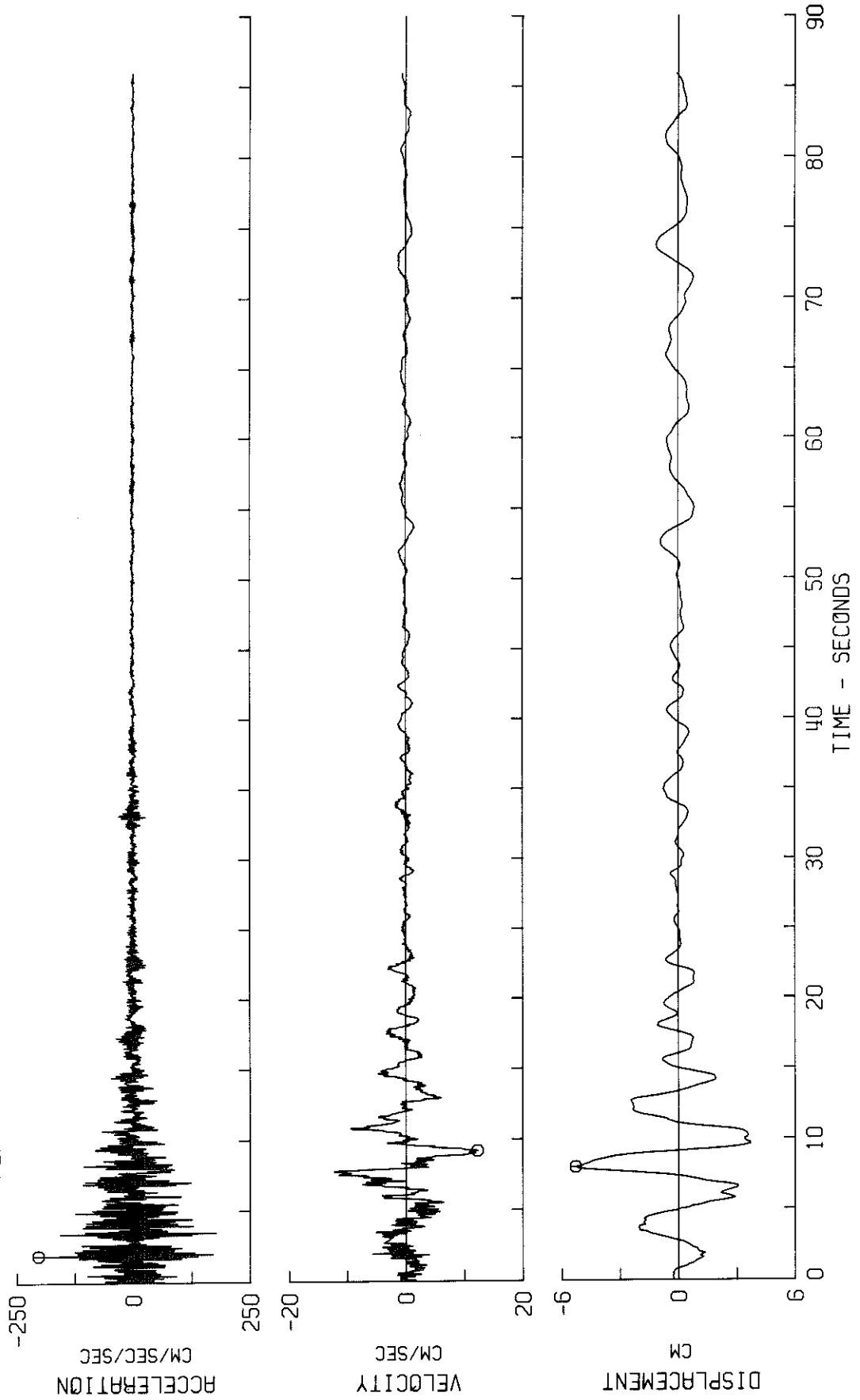
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK158 71.078.0 420 S. GRAND AVENUE, 17TH FLOOR, LOS ANGELES, CAL. COMP S53E  
PEAK VALUES : ACCEL = -309.4 CM/SEC/SEC VELOCITY = -43.3 CM/SEC DISPL = -13.5 CM



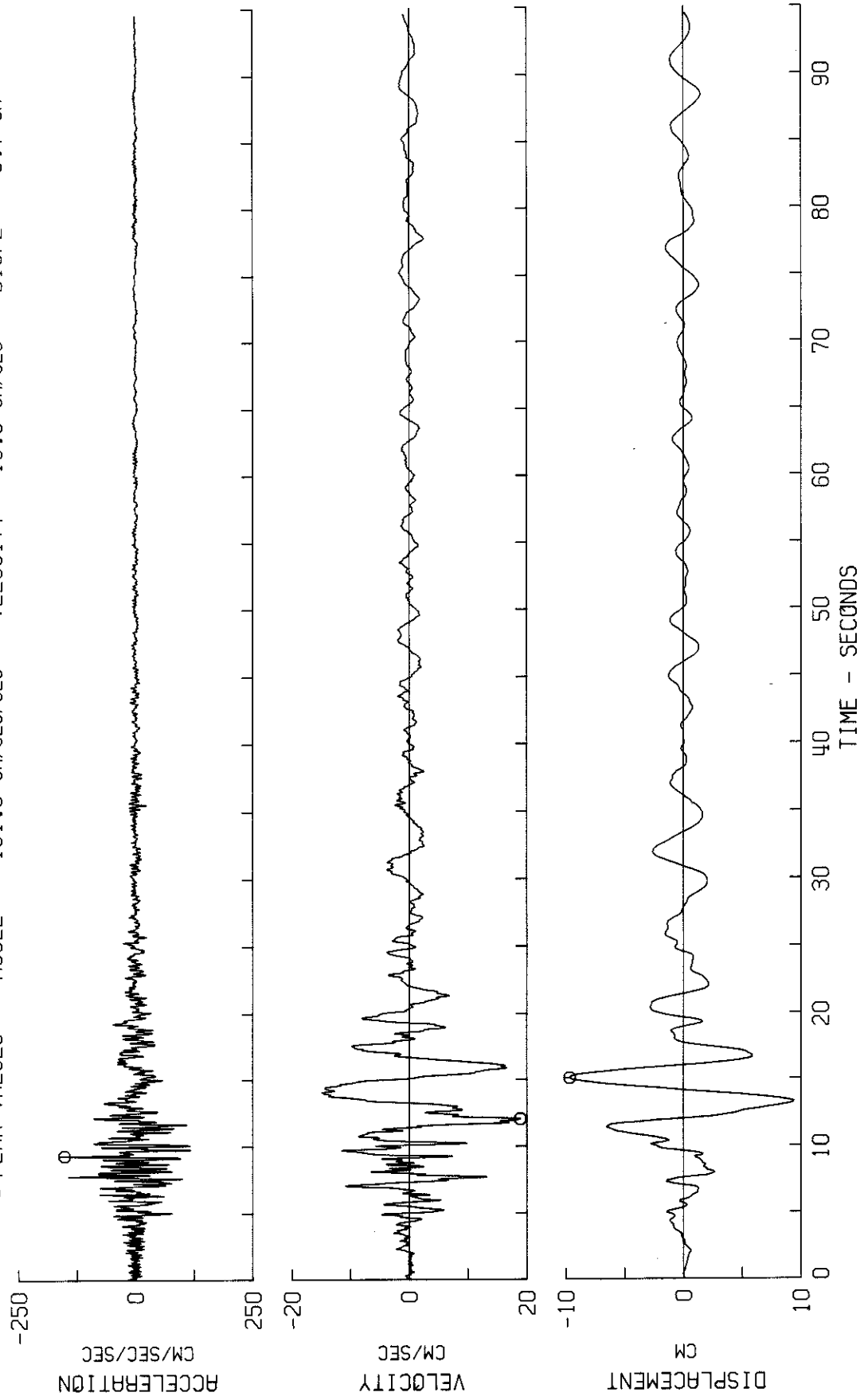
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 I1K158 71.078.0 420 S. GRAND AVENUE, 17TH FLOOR, LOS ANGELES, CAL. COMP S37W  
 PEAK VALUES : ACCEL = -221.7 CM/SEC/SEC VELOCITY = -31.4 CM/SEC DISPL = -11.0 CM



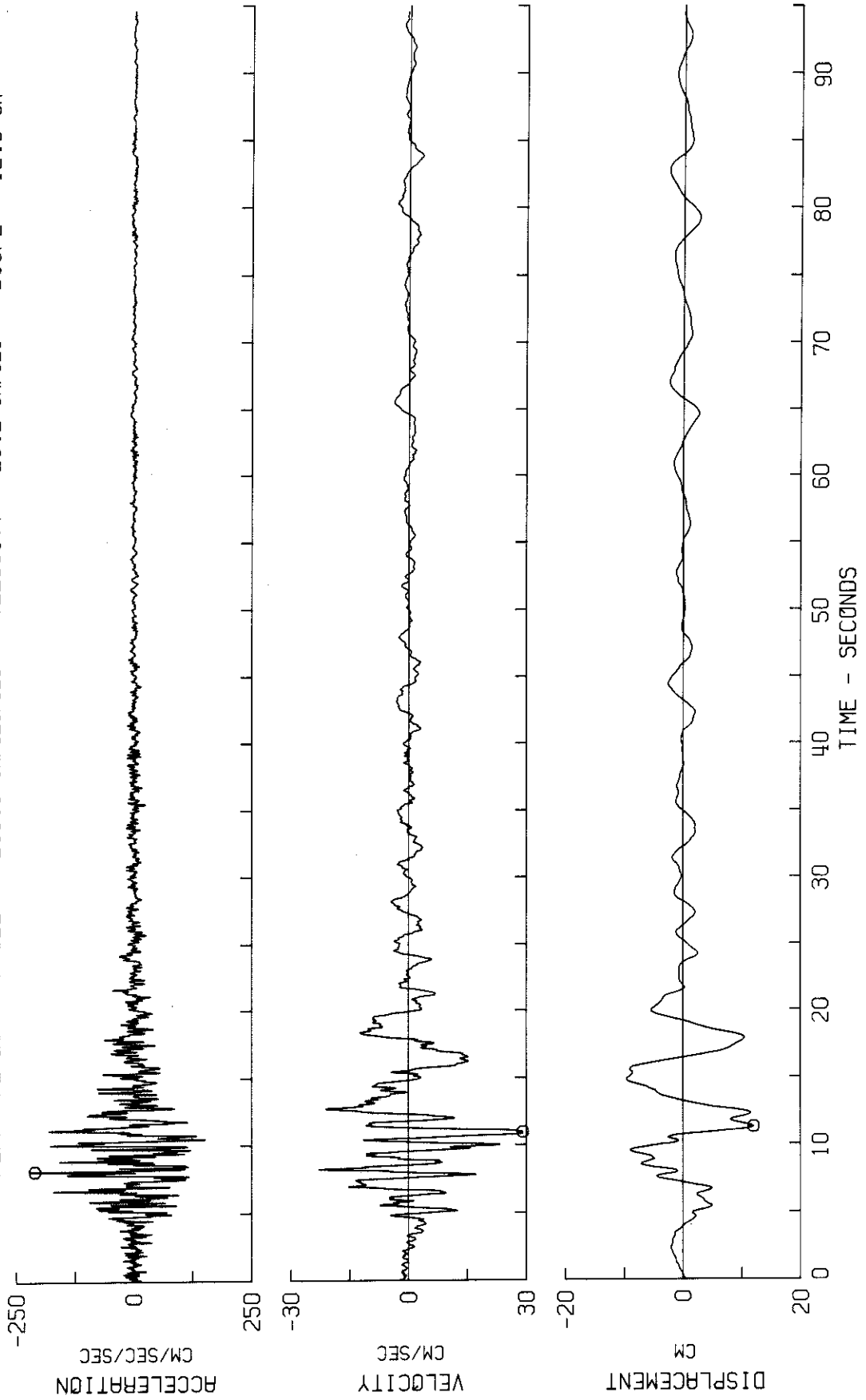
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK158 71.078.0 420 S. GRAND AVENUE, 17TH FLOOR, LOS ANGELES, CAL. COMP DOWN  
PEAK VALUES: ACCEL = -203.2 CM/SEC/SEC VELOCITY = 12.3 CM/SEC DISPL = -5.3 CM



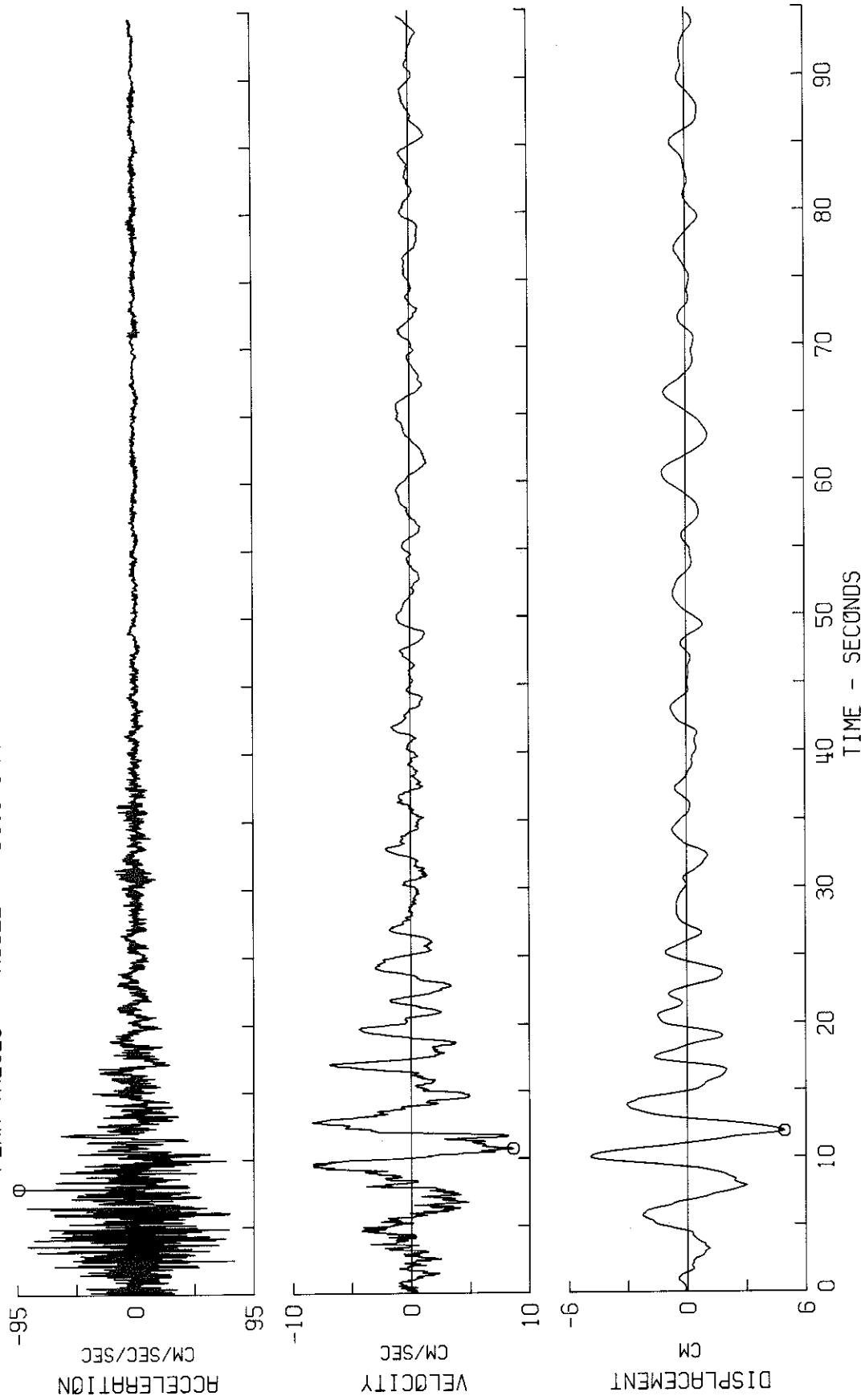
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK159 71.080.0 750 GARLAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP S30W  
PEAK VALUES: ACCEL = -151.8 CM/SEC/SEC VELOCITY = 18.9 CM/SEC DISPL = -9.7 CM



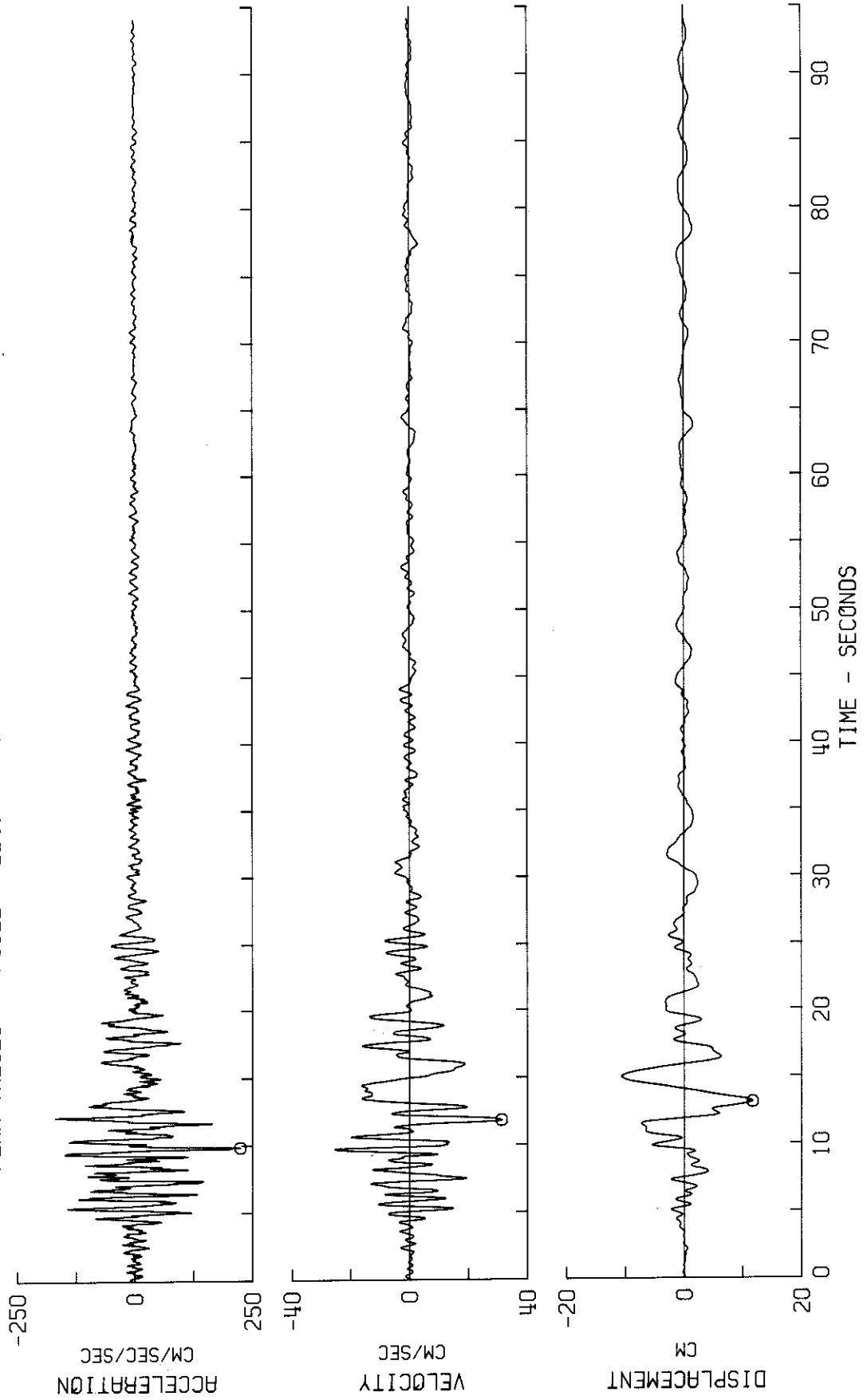
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK159 71.080.0 750 GARLAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP N60W  
PEAK VALUES : ACCEL = -210.5 CM/SEC/SEC VELOCITY = 29.2 CM/SEC DISPL = 12.0 CM



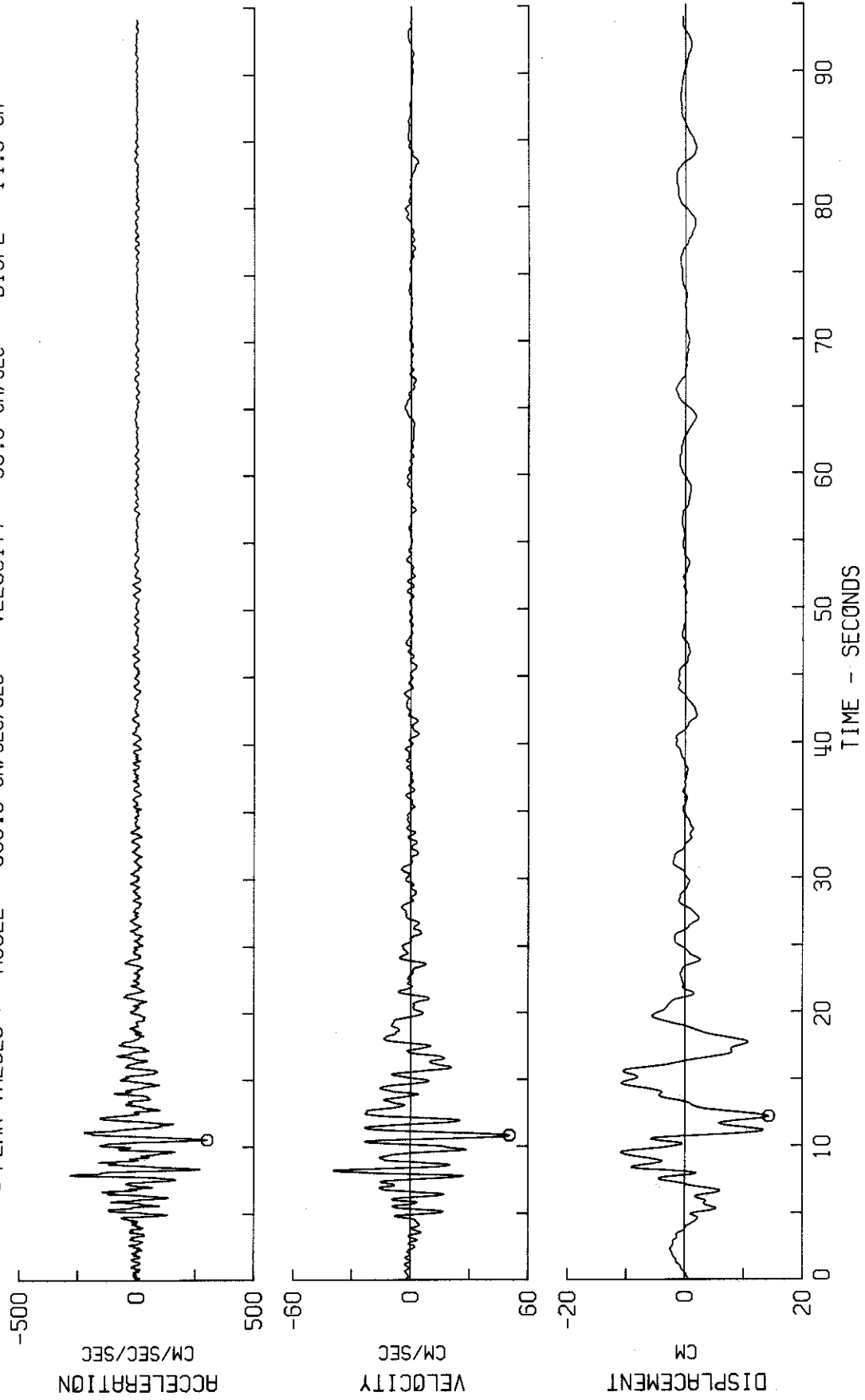
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 I1K159 71.080.0 750 GARLAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP DOWN  
 ○ PEAK VALUES : ACCEL = -94.1 CM/SEC/SEC VELOCITY = 8.6 CM/SEC DISPL = 4.9 CM



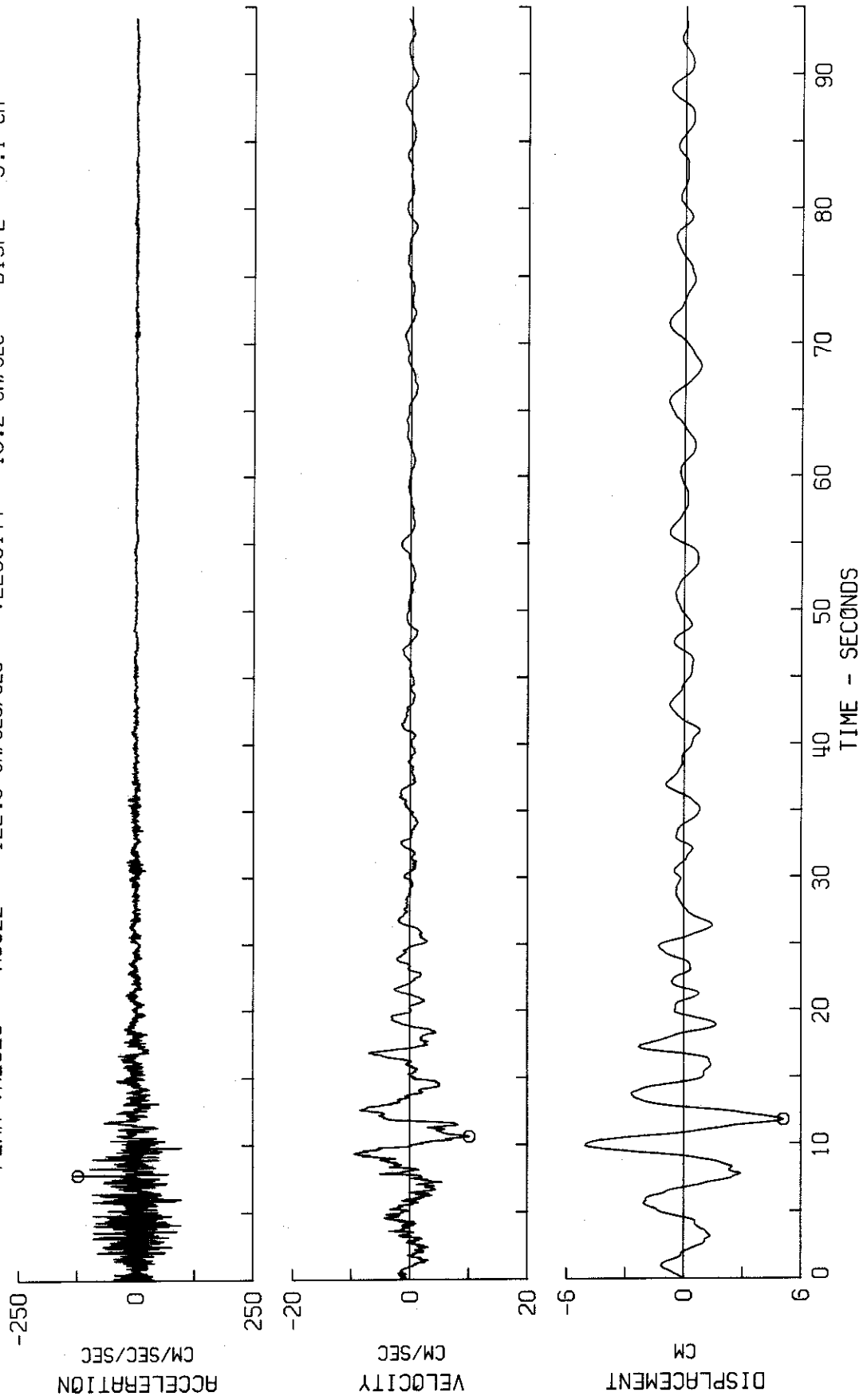
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK160 71.081.0 750 GARLAND AVENUE, 6TH FLOOR, LOS ANGELES, CAL. COMP S30W  
PEAK VALUES : ACCEL = 224.3 CM/SEC/SEC VELOCITY = 31.3 CM/SEC DISPL = 11.7 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
I1K160 71.081.0 750 GARLAND AVENUE, 6TH FLOOR, LOS ANGELES, CAL. COMP N60W  
⊙ PEAK VALUES: ACCEL = 303.3 CM/SEC/SEC VELOCITY = 50.6 CM/SEC DISPL = 14.3 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIK160 71.081.0 750 GARLAND AVENUE, 6TH FLOOR, LOS ANGELES, CAL. COMP DOWN  
O PEAK VALUES : ACCEL = -122.6 CM/SEC/SEC VELOCITY = 10.2 CM/SEC DISPL = 5.1 CM



IIJ141 71.152.0  
STATION NO. 125  
INSTR PERIOD = 0.0620 SEC DAMPING = 0.607  
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
LAKE HUGHES, ARRAY STATION 1, CAL.  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER 34 24 00N, 118 23 42W  
COMP N21E 34 40 30N, 118 26 24W

PEAK VALS	ACLN = -145.5	CM/SEC/SEC AT 4.32 SEC	VELO = 18.0	CM/SEC AT 4.08 SEC	DISP = 3.4	CM AT 3.14 SEC															
3010 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC																					
INITIAL VELO = 0.14983 CM/SEC INITIAL DISP = -0.11634 CM																					
72	54	6	-70	-109	-78	167	120	-50	-33	50	145	183	67	-101	-99	17	45	-5	-27	-74	-88
-87	-99	18	155	166	167	120	34	60	19	34	60	8	0	-105	-218	-40	78	-112	-214	-40	91
47	114	268	232	97	79	31	-109	-161	31	-187	-161	-92	-25	15	-3	-19	-6	23	104	93	12
74	54	-129	-211	-208	-232	-254	-187	84	-187	-14	84	127	275	274	92	70	70	-14	-49	-53	-53
-2	42	-9	-127	-95	95	153	99	68	99	68	64	92	135	150	79	48	150	224	220	148	100
246	417	322	80	-20	-191	-512	-679	-745	-679	-745	-869	-811	-457	-237	-389	-577	-509	-290	-101	134	486
779	950	1017	881	543	226	85	131	258	295	295	295	223	106	80	244	345	267	240	263	126	-190
-469	-595	-674	-665	-448	-170	54	223	315	193	193	193	-43	-84	5	-90	-376	-515	-420	-312	-303	-296
-248	-186	-190	-358	-577	-683	-678	-690	-794	-865	-865	-865	-777	-607	-385	-52	268	414	332	168	63	76
194	274	283	361	546	689	698	672	727	833	833	833	936	1032	1077	1048	1000	916	780	673	640	613
526	417	309	189	4	-227	-424	-565	-654	-747	-747	-747	-878	-1024	-1117	-1192	-1295	-1395	-1455	-1422	-1294	-1098
-879	-739	-560	-236	144	517	805	917	871	823	823	823	759	614	471	406	401	365	268	184	163	195
219	223	257	334	416	455	408	270	106	-31	106	-31	-133	-188	-187	-207	-306	-390	-373	-246	-57	126
228	183	50	-112	-261	-342	-391	-415	-339	-157	-339	-157	30	129	142	160	165	57	-73	-55	7	-92
-324	-488	-475	-395	-361	-336	-287	-268	-209	-27	-209	-27	134	178	217	334	453	517	526	494	466	447
344	344	289	311	228	136	172	236	189	31	236	189	31	-152	-259	-311	-353	-367	-345	-316	-327	-358
-359	-341	-328	-306	-218	-64	113	268	371	414	414	414	417	423	436	416	297	162	95	23	-53	-100
-121	-134	-146	-153	-159	-188	-230	-278	-339	-363	-363	-363	-303	-191	-79	11	84	157	162	100	104	189
262	252	162	54	12	9	-34	-75	-67	-50	-67	-50	-47	-12	40	82	98	44	-59	-168	-245	-269
-235	-146	-32	45	67	107	183	214	126	32	126	32	37	59	62	101	152	151	122	136	179	162
104	61	-1	-67	-82	-56	-22	-12	-38	-55	-38	-55	-11	79	143	167	182	198	213	210	89	-102
-203	-246	-279	-285	-243	-163	-91	-75	-103	-137	-103	-137	-165	-180	-172	-190	-268	-325	-312	-234	-136	-56
32	81	101	198	280	277	291	311	286	210	286	210	153	169	256	342	338	260	139	3	-91	-89
-27	26	31	-14	-82	-145	-195	-192	-157	-184	-157	-184	-239	-258	-255	-272	-302	-294	-198	-61	29	73
115	163	177	172	176	132	57	34	70	87	70	87	57	49	118	197	220	233	209	116	58	114
188	189	169	149	70	-66	-186	-283	-387	-475	-387	-475	-487	-418	-332	-255	-178	-119	-103	-113	-79	42
158	192	165	81	-26	-104	-85	7	101	169	101	169	211	243	234	195	193	180	131	96	97	96
65	29	-8	-54	-93	-118	-126	-152	-194	-190	-194	-190	-133	-60	15	68	139	230	268	206	42	-55
-35	24	51	0	-60	-99	-149	-212	-238	-227	-238	-227	-225	-156	5	144	188	159	121	73	-1	-95
-175	-222	-253	-278	-289	-263	-206	-111	22	101	22	101	91	61	42	36	55	118	168	156	97	49
72	145	189	160	40	-124	-229	-214	-142	-87	-142	-87	-36	-10	-45	-80	-73	-60	-61	-25	39	92
134	160	186	196	155	75	20	15	3	-70	3	-70	-151	-194	-207	-186	-140	-129	-134	-85	-36	-38
-7	107	200	206	189	215	250	267	266	242	267	242	195	135	70	12	-24	-12	57	115	102	71
59	66	59	1	-69	-124	-161	-180	-192	-200	-192	-200	-200	-158	-66	-11	-23	-31	-33	-57	-90	-62
19	46	42	62	87	89	48	-36	-117	-137	-117	-137	-106	-58	20	114	166	147	82	34	18	4
-26	-74	-118	-102	-32	25	39	9	-22	2	-22	2	74	134	145	122	101	98	123	152	144	151
163	104	27	-11	-12	-43	-141	-233	-283	-281	-283	-281	-242	-226	-250	-276	-283	-276	-224	-87	57	226
279	333	409	445	438	416	331	166	28	-24	28	-24	-13	38	114	166	118	-6	-143	-294	-454	-564
-585	-534	-474	-416	-284	-121	5	94	149	157	157	157	108	53	44	69	54	2	-55	-90	-66	20
123	210	275	322	337	300	227	139	67	15	67	15	-37	-65	-61	-74	-116	-147	-138	-105	-69	-26

19	33	16	5	2	0	-3	-8	-16	-24	-25	-16	0	36	67	58	55	98	117	53
-16	-26	4	26	29	36	-12	-111	-161	-159	-160	-173	-166	-137	-108	-80	-56	-43	-49	-71
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-3	-5	-7	-10	-13	-13	-13	-13	-13	-13								

IIJ141 71.152.0  
STATION NO. 125

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
LAKE HUGHES, ARRAY STATION 1, CAL.

EPICENTER 34 24 00N, 118 23 42W  
COMP S69E 34 40 30N, 118 26 24W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

INSTR PERIOD = 0.0600 SEC DAMPING = 0.607

PEAK VALS ACIN = 108.9 CM/SEC/SEC AT 5.28 SEC VELO = -14.4 CM/SEC AT 5.08 SEC DISP = -3.0 CM AT 3.92 SEC

INITIAL VELO = -0.26675 CM/SEC INITIAL DISP = 0.63053 CM

3013 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC																			
INITIAL VELO = -0.26675 CM/SEC INITIAL DISP = 0.63053 CM																			
75	65	17	-52	-110	-145	-216	-256	-73	167	271	324	240	37	-114	-187	-90	135	215	117
86	-111	-427	-351	-29	130	76	62	79	8	97	308	190	42	-32	-194	-314	-84	33	-161
3	289	-12	-280	162	469	55	-61	277	56	-437	-379	-140	-130	-31	200	291	313	338	17
-308	-139	77	73	-9	-53	-50	-196	-337	-229	132	375	328	134	-32	-19	-7	-136	-299	-242
3	-20	-241	-206	38	148	25	37	301	315	120	73	-94	-323	-264	-131	-61	125	158	-53
4	288	355	276	230	22	-277	-282	-65	22	-7	-168	-520	-632	-221	275	353	132	49	22
-181	-296	-174	-52	-122	-113	9	2	-46	3	42	57	194	206	170	123	77	54	-56	-311
-551	-545	-473	-412	-21	500	606	304	-7	-198	-166	110	257	300	347	361	280	146	181	358
628	863	799	265	-309	-416	-352	-388	-404	-330	-222	-156	-136	-210	-404	-553	-580	-450	-235	-3
157	32	-249	-464	-516	-458	-284	68	390	530	539	419	277	270	402	528	542	477	479	388
185	110	173	242	313	346	309	213	42	-167	-325	-374	-381	-416	-435	-381	-273	-58	191	274
224	231	394	547	583	544	438	294	176	81	-64	-221	-326	-380	-400	-421	-505	-605	-628	-553
-472	-415	-384	-490	-681	-851	-927	-854	-613	-432	-445	-454	-401	-261	8	379	744	945	938	803
623	556	701	937	1089	886	344	46	186	371	378	360	389	286	-2	-204	-189	-60	-24	-177
-322	-325	-204	-77	-67	-130	-282	-453	-476	-314	-81	38	32	91	187	203	145	8	-110	-116
-49	6	-54	-185	-273	-326	-323	-210	-126	-204	-290	-321	-268	-28	248	382	338	244	229	270
283	224	129	86	147	201	138	-43	-210	-254	-225	-235	-220	-146	-208	-410	-556	-613	-511	-166
221	364	316	294	348	411	490	517	420	265	103	-24	-41	32	57	68	68	162	266	313
219	18	-137	-82	105	144	15	-44	19	23	36	163	238	90	-176	-369	-488	-544	-504	-412
-376	-374	-380	-413	-415	-362	-321	-287	-215	-86	52	124	147	165	194	239	306	370	406	432
495	557	510	388	272	172	126	140	130	7	-142	-247	-320	-297	-202	-161	-186	-229	-334	-424
-383	-252	-124	-37	38	108	161	156	105	94	182	298	342	304	186	35	-71	-104	-108	-106
-100	-78	11	121	51	-157	-241	-137	58	240	247	102	5	15	107	227	286	233	136	44
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108	11	-91	-138	-150	-140	-88	-43	-55	-128	-199	-216	-177	-125	-60	41	138	140	81	67
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110	77	7	-62	-92	-89	-122	-192	-205	-149	-84	-45	-50	-68	-81	-93	-84	-37	24	55
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230	192	157	142	143	104	-11	-167	-309	-391	-418	-382	-330	-321	-327	-295	-217	-140	-120	-135

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IIJ141 71.152.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 125 LAKE HUGHES, ARRAY STATION 1, CAL. CCMP DOWN 34 40 30N, 118 26 24W  
INSTR PERIOD = 0.0590 SEC DAMPING = 0.607 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLN = -93.0 CM/SEC/SEC AT 4.26 SEC VELO = -11.7 CM/SEC AT 4.48 SEC CISP = -2.9 CM AT 4.70 SEC

INITIAL VELO = 1.47194 CM/SEC INITIAL DISP = 0.05097 CM

3011 INSTRUMENT AND BASELINE CORRECTED DATA IN NM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC									
513	231	-353	-759	-451	247	426	514	285	-445
-148	157	352	-75	-244	357	417	-302	-377	41
-448	10	403	136	40	84	-181	-198	25	-145
313	260	-140	-266	-108	-74	-178	58	415	380
-577	-547	225	371	131	-98	-229	-181	18	-15
52	378	187	-276	-59	116	-402	-622	-317	-22
106	-29	-165	-321	-74	196	131	92	156	-77
-512	-174	54	-144	-404	-299	-78	1	83	151
17	-13	201	406	488	475	581	663	279	-138
-311	-303	-120	-42	186	413	265	95	204	321
264	221	-150	-512	-729	-555	-305	-340	-386	-279
-374	-507	-304	-159	-74	176	458	598	660	636
351	342	333	232	-111	-485	-602	-423	-122	22
109	77	-21	-143	-147	-140	-59	240	553	535
-120	-389	-441	-417	-457	-428	-236	22	239	274
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-148	-186	-217	-72	49	130	182	47	-201	-205
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100	149	185	67	-41	-67	-120	-120	-77	-87
-140	-186	-383	-466	-247	-12	29	-25	-56	-65
-169	-17	57	105	228	207	-32	-162	-44	144
274	126	-105	-119	-16	17	4	31	54	34
-214	-262	-193	39	142	30	5	-18	-131	-135
277	271	130	-25	-75	-34	30	120	144	73
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69	213	94	-3	-45	-163	-219	-153	-56	11
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126	222	209	78	-139	-302	-341	-269	-69	173
160	215	181	28	-142	-157	-92	-51	106	266
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-122	35	158	198	146	64	-38	-145	-153	-72
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62	155	172	65	-57	-142	-156	-99	-44	-4
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167	128	123	158	152	81	13	-37	-25	94
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IIJ142 71.065.0  
STATION NO. 126  
INSTR PERIOD = 0.0480 SEC DAMPING = 0.592

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
LAKE HUGHES, ARRAY STATION 4, CAL.  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
COMP S69E 34 38 30N, 118 28 48W

PEAK VALS ACIN = 168.2 CM/SEC/SEC AT 3.86 SEC VELO = 5.7 CM/SEC AT 3.90 SEC DISP = 1.2 CM AT 4.62 SEC

1851 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

INITIAL VELO = -0.42963 CM/SEC INITIAL DISP = 0.11791 CM																			
-167	105	-131	47	329	-77	30	114	-113	-235	118	103	-231	-3	-88	-45	107	-60	-52	248
121	-284	-255	143	108	-57	44	41	96	150	-203	-87	41	-38	-89	183	169	43	-142	-51
56	24	49	-125	-59	-7	52	15	-150	-61	205	386	-1	-48	-210	133	145	-30	-127	50
-49	-89	65	18	90	105	71	-221	100	20	-270	-33	174	-79	-65	120	-295	-121	-13	396
72	137	-43	-69	-160	-248	139	64	-105	98	-15	-198	26	198	23	129	252	-22	-308	-199
-299	122	417	418	201	217	316	391	399	-211	-446	-18	-411	-971	-483	-187	-370	-588	-90	324
116	347	645	-42	-574	88	525	208	424	839	751	-306	-526	254	456	-286	-366	-647	-1233	-922
288	654	562	188	196	210	257	934	679	-261	-487	-421	-445	-569	-71	531	359	122	-383	-978
-972	37	1110	1123	211	-367	83	342	-57	-343	-536	-515	-529	-498	-192	-4	-439	-464	512	1006
258	-955	-945	-309	301	550	265	-131	-244	-473	217	1251	1634	1682	767	-279	-340	129	265	-70
-699	-786	-179	293	-57	-108	176	313	13	-25	16	-368	-1062	-775	228	1030	742	-460	-831	-116
731	709	549	527	164	-612	-620	-148	370	-72	-730	-1047	-823	-164	211	190	115	52	-45	-125
408	670	-117	-1050	-701	169	90	-225	-115	-3	-233	-81	681	1174	324	-86	126	120	-160	162
349	-43	-335	-585	-382	-91	42	277	227	-134	7	238	81	9	-238	55	248	-82	-274	83
456	-91	-747	-272	243	144	-174	-14	367	261	152	226	45	-113	65	-55	-533	-453	142	381
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-1	-16	-32	-69	-82	-35	23	30	15	-1	-57	-75	-33	7	-4	-3	1	-4	2	41
24	-6	-7	48	52	0	-41	-25	-29	-19	19	22	2	-1	12	23	19	-10	-10	-6
-20	-39	-1	56	74	47	38	36	33	30	6	7	22	33	50	49	11	-62	-57	4
2	-31	-11	25	39	16	40	68	33	-23	-22	-7	-30	-72	-55	-28	-19	0	49	53
4	-23	-45	-49	-19	-20	-23	16	48	23	-6	12	12	-20	-57	-49	-28	-9	24	34
14	1	17	10	-8	-13	-20	-13	-14	-31	-12	9	6	-3	1	-2	14	15	-6	-41
-30	-26	-38	-11	11	11	-3	-6	-18	-31	-9	6	-11	-12	8	9	-13	-1	10	-22
-31	21	38	-21	-48	-18	5	14	9	12	-17	-37	-21	20	17	1	14	14	-34	-20
29	32	22	8	0	0	15	11	-21	-31	-25	-40	-38	-18	15	29	29	40	33	19
-11	-52	-39	10	41	22	-3	-25	-48	-29	22	43	6	-9	7	12	15	24	47	46
-3	-22	6	17	3	9	35	18	-16	-20	-20	-18	6	35	38	27	-1	-7	18	26
14	15	-4	-4	4	12	18	9	11	20	43	42	28	19	18	17	9	-13	-8	23
33	3	2	33	52	28	2	19	25	-11	-3	12	22	16	0	-24	-28	-28	-6	28
39	20	-2	-15	-6	13	18	-4	-31	-45	-50	-14	6	6	-17	-30	-28	-16	-18	-30
-12	19	5	-6	-22	-34	-29	2	25	-1	-24	-13	-25	-33	-12	11	-8	-11	9	4
3	22	26	15	-9	-35	-42	-12	7	-5	22	64	78	59	37	-4	-50	-65	-42	-20
6	20	22	-10	-20	-1	7	-17	-28	-31	-47	-46	-5	15	-4	-25	-20	-28	-35	-28
-1	6	-1	11	13	-3	-29	-31	-9	0	20	31	8	-13	-10	11	17	1	-24	-29
-13	5	3	-2	1	2	2	26	19	-11	-38	-29	-14	-12	-25	-1	13	10	12	19
15	13	-11	-15	-6	-3	-19	-25	-5	-2	-22	-12	3	-4	-9	11	23	15	33	25
12	14	24	25	-6	-27	-21	-8	29	37	31	21	21	21	-4	-4	18	14	17	24
11	-5	9	21	11	7	1	0	1	8	25	17	-7	-15	-5	11	31	14	-22	-34
-20	16	15	3	1	11	25	17	18	23	-11	-29	1	15	-7	-22	-14	-22	-31	-9
15	9	4	11	0	3	10	-8	-12	6	9	-6	-26	-40	-27	1	18	0	-15	3
7	7	25	30	14	-1	-2	-22	-33	-16	-17	-33	-24	-12	-14	-15	8	20	6	-9
-9	-12	-14	-25	-22	-24	-45	-47	-25	-19	-19	-6	-24	-12	-14	-15	8	20	6	-9

IIJ142 71.065.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 126 LAKE HUGHES, ARRAY STATION 4, CAL.  
 INSTR PERIOD = 0.0460 SEC DAMPING = 0.571 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP S21W 34 38 30N, 118 28 48W

PEAK VALS ACCLN = -143.5 CM/SEC/SEC AT 3.44 SEC VELO = -8.6 CM/SEC AT 3.48 SEC DISP = 1.7 CM AT 11.26 SEC

1851 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.																			
INITIAL VELO = 0.35754 CM/SEC					INITIAL DISP = -0.08784 CM														
-104	-19	191	150	-34	-161	188	-86	-107	-79	-114	332	96	-35	-220	-230	84	-84	17	214
8	-160	-324	-196	161	244	123	-18	-315	-66	-55	116	114	6	26	103	-268	-236	-54	143
428	169	-167	-355	-370	48	353	234	-90	-67	-264	182	13	22	-65	32	113	1	-41	-93
-101	81	230	-61	41	-179	-374	57	117	79	179	33	-296	-129	-175	73	156	285	-37	131
-153	-230	-51	-87	106	-109	109	28	131	-53	-361	-188	171	223	223	139	160	144	-67	-317
-368	343	536	292	242	142	131	15	-21	119	-60	-52	-842	-1294	-622	-98	23	141	-33	-270
-47	339	651	816	450	458	312	116	485	594	88	-395	-449	-256	136	-116	-368	-622	-241	-281
377	263	246	499	414	326	538	852	447	6	-77	-579	-603	-411	-225	413	427	466	185	-281
-625	-666	-554	-521	-299	142	481	416	48	-398	-1005	-1268	-1435	-975	-331	549	709	529	454	-173
-510	-509	-418	-342	151	668	888	1181	797	-282	-92	469	112	231	637	1104	1412	850	-578	-1374
-884	-541	-577	-186	-140	-21	289	270	-3	111	41	-155	-525	-9	322	62	-35	-63	193	467
360	28	18	-182	-263	-89	476	812	649	-81	-605	-867	-818	-382	-122	-206	-246	15	43	-89
363	524	-103	-444	-177	364	153	-28	179	4	-472	-754	-241	352	501	440	185	-107	-383	-256
49	110	-63	-439	-415	64	306	53	-251	-55	100	-179	-57	435	371	338	356	-1	-279	-119
161	210	-132	-65	-41	-120	-17	421	836	449	20	29	248	-91	-362	-498	-599	-691	-509	-262
102	148	129	92	336	367	-82	-12	292	118	0	-2	184	168	-169	-514	-402	305	540	202
-234	-199	-21	89	-31	-123	-272	-332	-136	194	332	191	-13	-56	-166	-114	-164	7	172	-103
-318	-70	287	315	26	-215	-293	-128	-2	47	59	-135	-21	110	232	364	322	258	-56	-119
-52	-93	35	36	16	-52	-78	-82	-129	182	348	416	109	-159	51	141	-68	-16	-17	-34
-72	-229	-181	-89	-117	-260	-429	-298	94	380	270	113	36	90	19	-91	31	38	-63	-50
141	121	10	108	133	86	-11	-179	-157	-212	-140	125	56	-86	-185	-96	-49	97	367	448
389	329	72	-249	-266	-78	121	27	-155	-154	-117	-10	-51	-186	-224	-159	28	90	113	122
255	156	71	58	149	98	-82	-357	-60	305	274	148	160	-9	-286	-96	243	168	43	1
-176	-74	6	-75	-123	-81	-95	-84	-106	25	-102	-270	-192	-30	287	102	-2	78	-94	-104
-137	45	274	-10	-82	-143	-148	79	177	129	103	138	-49	-210	7	187	241	110	-76	-87
139	143	-42	-143	-87	-81	-121	33	208	19	-111	141	161	-56	-79	28	223	13	-347	-118
36	56	132	223	138	-153	-194	108	210	36	-158	-85	80	-6	64	255	317	-21	-212	-124
-121	-100	-103	-170	-171	-79	-53	-77	-47	17	23	93	107	-79	-200	-91	-4	-107	-114	24
151	44	-44	-132	-137	80	56	-98	-77	38	95	-2	-137	-123	-107	62	61	-6	-41	-30
-63	38	130	92	41	87	57	-101	-205	-112	-4	13	23	-17	28	74	139	166	-47	-173
-292	-320	-91	57	32	-19	-53	-56	-63	-158	-186	-40	-40	-76	44	41	-47	-132	-41	54
1	-109	18	138	134	11	81	30	-87	62	189	137	96	97	26	-111	-98	-160	-126	-15
112	288	242	23	-68	-24	6	44	66	98	-6	33	94	-190	-263	-104	154	77	-80	-60
144	177	17	-16	-61	-101	-35	142	138	41	-16	-3	12	86	-35	-122	-86	59	186	94
-50	-73	-58	-64	80	167	180	46	-92	-128	-52	267	223	10	-55	-97	-69	100	208	159
1	-25	70	121	82	98	-113	-276	-164	2	33	-131	-152	-80	-2	-13	85	240	253	-36
-47	19	39	106	209	215	56	-140	-256	-329	-255	-119	-164	-21	154	224	217	118	174	190
68	38	94	184	234	153	59	-94	-265	-224	-124	-155	-206	-67	100	72	-23	-63	-58	-52
120	291	216	71	-26	-85	-139	-222	-173	-120	11	96	10	-131	-165	28	51	7	74	190
114	23	-37	10	138	43	-149	-79	72	-8	-66	-13	22	-107	-98	85	185	74	-57	-47



IIJ142 71.065.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 126 LAKE HUGHES, ARRAY STATION 4, CAL. COMP DOWN 34 38 30N, 118 28 48W  
INSTR PERIOD = 0.0460 SEC DAMPING = 0.642 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACCLN = 150.8 CM/SEC/SEC AT 3.40 SEC VELO = -7.1 CM/SEC AT 3.34 SEC DISP = 1.6 CM AT 17.26 SEC

1850 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.																	
INITIAL VELO = -0.63053 CM/SEC										INITIAL DISP = -0.27576 CM							
138	156	-42	45	101	16	167	-266	-270	-146	473	471	-398	-376	6	343	-67	-347
-90	-492	-319	466	464	-304	-173	209	191	-96	-440	154	381	-79	-151	106	25	-362
514	-22	-413	-468	70	327	36	-350	-110	305	333	77	-329	-191	91	511	338	-220
69	2	-10	-31	161	-144	-157	-95	-63	38	161	-76	-142	-106	23	-21	-108	-104
-162	12	-25	-326	-270	-83	484	180	-3	-124	-33	204	240	210	-67	-92	-21	-138
-142	-382	-437	-212	-236	105	304	-58	115	353	92	261	46	-81	159	34	-27	27
13	382	212	-231	-263	160	23	-261	-231	-280	-330	-74	60	34	108	237	243	46
-71	-246	-289	-659	-688	-454	162	984	486	-277	-304	205	450	-194	-191	-357	-700	307
-20	110	385	-136	-856	-1268	-625	228	922	1455	1508	858	14	-562	-1020	-908	-201	379
803	665	487	-64	-437	-601	-507	268	495	23	-156	10	87	207	-518	-1252	-813	421
224	-429	-65	33	-446	-625	-294	158	43	-68	552	883	759	153	-292	-479	-884	-695
436	491	243	198	-322	-761	-662	-398	42	274	367	361	239	-61	19	-300	-969	-510
105	512	379	-296	-268	148	119	-218	-93	452	490	-139	-250	109	50	-169	-257	-137
453	187	24	84	-88	-253	41	168	-71	-283	-26	198	-78	-132	116	3	-98	-33
578	440	-76	-131	9	32	-264	-305	-106	166	340	68	-130	55	441	249	-399	-502
7	173	131	-499	-331	291	142	-137	-220	-109	100	190	58	96	53	70	-86	-11
331	142	-29	-71	-2	-56	-103	105	-22	-334	-293	-8	320	249	10	-56	-190	-176
-78	-10	66	-19	-127	-66	-117	50	117	53	-254	-73	399	142	-123	-98	-20	88
198	-108	-217	-19	166	35	-180	-122	52	53	190	258	295	354	142	-15	-46	41
-89	331	321	206	53	-81	-219	-37	-129	-359	-13	208	-94	-61	92	104	-239	-324
-292	-96	-12	-95	-106	142	276	-74	-324	-129	167	210	38	53	71	33	24	-66
150	48	-119	67	131	-25	-80	-219	-124	22	145	129	77	-7	-119	10	56	-133
-23	-103	93	234	100	-105	-56	-58	-118	5	100	135	113	36	-158	-120	63	57
196	-21	-29	-50	-74	61	91	-71	-84	98	-18	-181	-190	-100	147	183	40	-176
128	112	-222	-272	146	321	67	-170	-58	52	-104	50	159	139	221	58	-120	42
-165	-188	22	50	33	312	185	-73	-54	12	-1	-112	-99	154	187	75	-9	-188
-52	48	10	71	68	-140	-1	68	-86	-223	-243	-157	6	205	29	-161	-90	-9
-65	-52	134	67	-185	-172	-28	77	161	57	-38	-44	104	167	27	-48	-74	-6
-118	-41	78	-35	-62	36	120	-24	-185	-55	191	214	8	-89	3	-91	-28	-10
-30	-172	-179	-100	27	65	33	-18	-67	32	-19	-136	-52	33	111	7	-79	-96
122	67	-44	-3	106	-9	-55	47	113	-57	-128	4	75	-42	-164	4	175	69
-68	-101	-140	-30	113	-10	-23	72	54	-32	-110	-76	18	121	47	-44	-32	-49
-105	26	102	95	-5	-27	110	11	-33	229	146	-75	-77	114	82	-20	-24	-180
170	245	173	-78	-131	-44	-26	86	112	19	47	154	115	7	29	23	-67	-35
87	137	-95	-265	-82	140	14	-126	32	-19	-137	-73	-36	-108	-51	94	38	-142
-110	-77	33	116	67	36	43	0	20	0	145	79	43	0	114	244	42	-102
-26	-7	-12	-79	15	172	191	127	19	-88	-107	-74	-28	30	11	79	-23	-156
-75	-26	73	217	205	86	-43	-97	-103	-118	-26	77	59	-91	-24	143	0	-138
-67	26	131	59	-28	-25	-51	-43	-22	-31	42	92	113	20	-52	-15	-64	-30
75	154	84	-29	-15	125	120	-107	-153	94	178	54	-64	-107	-28	83	69	-22



IIJ143 71.012.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
 STATION NO. 127 LAKE HUGHES, ARRAY STATION 9, CAL. COMP N21E 34 36 30N, 118 33 42W  
 INSTR PERIOD = 0.0550 SEC DAMPING = 0.5867 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 119.3 CM/SEC/SEC AT 2.22 SEC VELO = 4.8 CM/SEC AT 1.56 SEC DISP = -2.0 CM AT 21.34 SEC

INITIAL VELC = -0.09538 CM/SEC INITIAL DISP = 0.17033 CM  
 1749 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

323	308	103	113	-32	90	-78	301	328	-10	43	-540	-696	-783	-438	-338	-344	587	791	785
610	233	-17	-117	-265	-290	-358	-362	-238	-205	-571	-321	14	320	-74	-331	-175	-44	85	78
433	472	-140	-193	-193	-77	-237	-478	89	316	317	-82	269	842	794	1049	546	-623	-487	-622
-338	805	373	-90	167	-110	-435	-521	4	359	555	340	-122	-243	232	219	597	-69	-69	-672
-561	-615	-794	-57	378	488	-89	-290	56	-123	-194	-264	34	219	655	897	431	-269	-743	-719
-360	-355	-200	-24	-315	-84	375	-434	-473	97	597	1193	570	118	456	13	-534	-512	-455	-502
-449	-451	-335	-143	37	689	709	416	67	147	301	91	226	268	-60	-169	-30	113	114	-36
-116	-4	-476	-534	52	531	362	151	267	101	153	-4	-314	-280	-353	-375	-388	321	570	402
263	24	-128	-258	-491	-334	-129	121	177	108	327	352	-41	-356	-676	-605	-59	12	49	99
69	177	389	319	17	-249	-179	-32	-61	54	256	310	-148	-231	40	72	166	154	13	-86
32	-32	-192	-109	125	-114	-317	-256	-323	-140	-178	58	298	346	158	-199	-250	-203	0	-54
-27	16	-121	177	449	201	198	97	85	115	-33	14	81	-81	-67	100	51	-108	-302	-147
56	215	536	324	-30	-66	-175	-116	98	80	84	56	-40	-87	-167	-199	-85	81	131	-84
-375	-145	-61	0	141	95	-100	-14	-125	-170	-67	-271	-242	4	315	258	-115	-93	109	-65
-118	-82	92	77	-78	-156	-98	75	126	6	-4	23	77	61	84	175	61	-17	205	187
98	59	216	186	126	96	-74	-79	-51	64	-133	-232	-20	143	67	-102	-146	-150	-202	-109
-133	-238	-130	52	31	79	182	234	187	154	96	73	-16	-110	-83	-33	-32	-15	-48	-55
-3	-125	-235	-74	-56	-78	-66	4	10	-29	80	55	-141	-134	-12	78	27	95	182	135
118	-52	54	209	121	89	112	100	80	7	-50	-76	-93	-124	-123	24	136	129	115	74
4	-95	-124	-150	-152	-115	-87	-84	-49	-67	-56	32	61	12	81	30	37	64	-70	-91
62	62	43	68	-16	-151	-23	15	80	82	-4	10	100	32	-83	-145	8	8	-166	-25
72	89	145	125	38	-194	-7	-9	104	-6	-112	1	89	118	63	8	-22	-39	64	40
-3	3	-160	-150	-161	-33	-20	64	-14	-62	94	123	32	-35	3	-3	-56	98	89	64
41	15	138	-4	-35	-17	30	-11	-2	164	133	-53	-128	-187	-74	113	116	111	26	-98
-60	-74	98	119	27	13	-76	2	74	6	-22	28	46	-11	12	45	53	92	148	111
-48	-57	-34	7	54	13	29	149	60	-65	-22	21	-15	-144	-49	-58	-73	27	88	108
71	95	74	-27	-77	29	149	60	-65	-29	-22	21	-15	-144	-49	29	49	117	61	17
34	58	-21	-36	68	5	-57	-68	-27	-70	-145	-59	-80	-192	-110	-28	-49	-67	-48	55
28	-83	-74	-62	-56	-55	-41	-28	-30	-22	57	94	58	62	63	67	43	19	-10	-40
-29	-10	-26	-40	-55	-75	-74	-57	-41	3	27	1	-11	24	32	41	79	92	37	-115
-199	-131	-14	-35	-82	-89	-144	-105	-13	37	70	88	82	56	41	-12	-47	-67	-52	-29
-12	7	4	-25	-69	-78	29	95	1	26	99	140	211	232	71	-116	-202	-92	-26	-146
-167	-47	61	83	-46	-142	-39	52	-51	-54	28	-78	-40	63	24	13	-8	-39	-40	54
66	-48	-66	-9	73	73	137	132	-12	-72	-106	-68	13	81	109	79	38	21	48	63
47	18	-15	-29	-26	-6	1	-4	-7	40	25	-12	58	49	66	82	60	46	38	42
-8	-41	13	80	155	159	24	-2	42	-11	-5	-64	-61	-47	-30	-32	-51	-16	55	48
18	36	17	-1	-10	1	39	65	54	30	24	11	-13	-5	10	-3	-13	3	24	34
39	24	5	2	-13	-56	-75	-66	-51	-8	14	13	6	29	47	59	38	-15	20	17
48	35	-12	-23	18	51	85	89	38	-13	-45	-72	-97	-126	-108	-41	22	39	18	-10
-43	-73	-60	-25	-19	-20	8	12	-7	-10	-5	1	24	122	191	122	58	25	10	29

39	35	18	-19	-67	-69	-69	-115	-129	-81	-12	42	51	-2	-63	-65	-3	21	-14	-56
-84	-103	-104	-84	-59	-52	-59	-69	-68	-42	-4	20	14	-30	-13	-27	3	17	10	9
12	8	6	34	53	17	-45	-46	-11	11	20	2	-26	-8	8	18	0	2	-1	-4
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11J143 71-012-0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 127 LAKE HUGHES, ARRAY STATION 9, CAL. COMP N69W 34 36 30N, 118 33 42W  
INSTR PERIOD = 0.0540 SEC DAMPING = 0.5773 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLN = -109.4 CM/SEC/SEC AT 1.54 SEC VELO = 4.5 CM/SEC AT 1.30 SEC DISP = -2.4 CM AT 18.32 SEC

1751 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC									
INITIAL VELO = 1.91542 CM/SEC INITIAL DISP = -0.09356 CM									
119	74	-227	-368	-497	-340	-49	-231	-691	20
-317	-144	275	367	97	-43	155	-6	151	454
-292	630	1051	687	390	78	144	393	28	-229
166	-72	-89	463	410	20	-261	-519	-291	48
452	7	-201	-408	-122	121	-104	144	766	652
-87	-259	-190	93	-240	-514	126	408	45	-427
331	254	110	-92	-223	-44	102	188	153	-72
-824	-457	196	260	-113	63	178	71	-58	-81
-344	-475	-624	-303	135	41	-43	-18	156	239
285	311	97	-133	155	174	-327	-333	-73	-8
-206	8	240	135	59	168	5	-244	-369	-265
-122	-89	41	-89	-109	75	114	101	-62	-207
40	117	120	140	59	-18	-8	-106	-101	-131
-105	35	261	131	-36	20	-90	-241	-162	-44
-3	-21	-59	-23	112	125	-3	-26	29	126
98	218	190	155	41	16	32	-62	-150	-109
-160	-110	-12	-9	-134	2	171	151	69	-18
-45	39	60	-32	-11	48	-17	-34	72	114
-92	28	6	-87	-131	-144	-146	-137	-75	1
12	19	31	13	12	8	53	123	54	-90
171	69	32	-37	-33	25	28	-54	-86	40
-67	-82	-82	-14	28	52	100	58	91	10
68	-28	-38	-32	-80	-130	-123	-105	-66	-68
80	37	48	170	175	11	-79	-124	-91	-37
-8	-76	-154	-74	46	111	77	37	73	77
144	120	101	90	90	57	39	-36	-110	-82
-33	-27	-61	23	96	69	23	3	-46	-50
-52	31	62	-9	-60	-53	-68	-20	92	112
167	135	-6	-54	-102	-69	10	49	77	4
-56	-41	5	70	109	137	119	83	59	6
-206	-198	-89	7	32	4	-24	-57	-236	5
218	106	-74	-148	-93	-55	-186	-307	-162	0
-5	62	35	40	108	157	107	127	162	59
-73	-85	50	165	134	89	8	-142	-166	-64
-63	-37	40	71	69	40	71	115	99	65
-70	-53	-36	-24	22	40	25	-3	-11	49
65	82	48	-4	-51	-41	7	44	41	25
-46	7	8	-13	28	50	27	68	53	-28
-38	-19	74	75	-45	-88	-72	15	98	59
-29	-31	-40	-53	-53	-39	-50	-72	-53	-23
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218	106	-74	-148	-93	-55	-186	-307	-162	0
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9	22	20	2	10	23	4	-1	5	5	10	12	18	28	35	33	14	-6	-13	-7
1	6	6	-5	-23	-34	-34	-25	-18	-27	-36	-32	-40	-43	-36	-39	-37	-35	-46	-48
-28	-15	-15	-15	-14	-12	-9	-14	-21	-21	-12	-13	-6	-16	-11	-23	6	10	-19	-23
-17	-16	-18	-19	-13	-2	11	20	13	-2	-9	-15	-18	-23	-23	-23	-12	-4	-3	19
-31	-18	-2	-5	-26	-33	-36	-32	-30	-26	-11	-8	-14	-11	4	18	15	0	1	19
21	17	7	1	2	5	6	10	20	23	16	3	-8	-10	-3	4	2	2	11	13
19	15	-3	-20	-20	-8	-9	-22	-28	-18	-7	-1	-4	-2	-2	-14	-32	-31	-12	-7
8	-3	-12	-11	6	13	3	3	8	14	15	21	23	21	22	22	19	16	19	15
4	5	12	12	12	13	14	20	30	28	17	9	6	1	2	22	16	10	3	2
7	12	5	-12	-15	-5	3	0	-6	-12	-13	-18	-22	-13	-2	11	19	13	9	10
-2	-5	-4	-8	-18	-17	-15	-20	-11	10	15	4	1	0	-5	6	16	10	6	3
-9	-16	-8	9	12	12	7	-9	-7	13	23	23	9	-5	-15	-13	-4	-1	-5	-6
-7	-10	-15	-16	-14	-6	3	8	8	10	17	19	6	-2	5	21	25	16	6	5
8	17	22	10	6	20	24	23	20	8	3	12	14	7	11	22	23	7	4	7
7	9	13	16	10	3	0	-2	0	6	7	-3	-12	-8	-6	1	17	13	3	-7
-18	-10	-1	-6	-10	-6	-6	0	2	5	-3	-6	-12	-6	-6	-7	-5	-2	-2	3
-3	0	0	-1	-10	-4	-4	0	4	0	-4	-9	-4	-4	-4	6	-1	-2	-2	-1
-3	-5	-5	-12	-9	-8	-9	-12	-9	10	-1	-9	-8	-9	-1	-9	-1	2	3	-1

IIJ143 71.012.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 127 LAKE HUGHES, ARRAY STATION 9, CAL.  
 INSTR PERIOD = 0.0550 SEC DAMPING = 0.5582 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP DOWN 34 36 30N, 118 33 42W

PEAK VALS ACIN = 71.5 CM/SEC/SEC AT 2.22 SEC VELO = 3.0 CM/SEC AT 5.38 SEC DISP = -2.2 CM AT 4.02 SEC

INITIAL VELO = 2.26551 CM/SEC INITIAL DISP = 0.60914 CM

1748 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

179	-82	-38	-173	-83	75	249	12	118	-385	-634	-377	-60	87	-165	-415	-73	376	80	-2	-151
235	535	-173	-184	-184	196	-3	-191	-265	-270	-537	-60	34	-130	72	41	-74	186	124	-184	-329
-46	-86	325	379	-280	-280	-9	156	-155	1	-399	-102	185	181	311	399	-260	133	133	-158	137
170	-15	516	89	-313	-203	22	-197	-200	349	201	90	216	60	17	-113	-391	-26	492	397	-328
-673	-244	238	-74	-203	-203	5	11	116	262	24	-429	-108	363	232	-3	-173	48	122	-3	35
46	157	-210	108	-107	-107	-538	-264	120	223	-167	-18	715	534	51	-194	-124	-38	-260	68	239
-82	-413	-97	-164	-560	-560	-419	25	402	151	-127	44	259	75	1	-5	-88	44	139	146	-35
-273	-330	-344	-67	-128	-128	166	192	-71	40	73	39	172	107	-132	175	542	351	93	-11	197
180	83	-265	-223	32	32	-135	-417	-153	-22	-225	-9	-15	-264	66	42	271	169	-326	-261	166
69	77	58	12	281	281	27	-106	-88	269	89	-199	157	42	36	-18	-110	-57	33	177	160
-9	53	110	-27	122	122	130	43	-74	-277	-92	91	86	-113	39	82	127	93	-75	-77	-90
-59	81	29	-55	14	14	135	100	-13	136	137	118	7	-194	-126	88	-39	-185	-59	107	34
-3	41	287	150	-50	-50	147	201	-50	-149	78	231	177	-63	-386	-95	95	52	-59	-59	100
90	-44	-10	82	127	127	94	-159	18	249	-26	-133	-50	63	39	-169	-84	-56	-81	-4	-80
-29	-43	-44	-26	-5	-5	57	-93	-23	74	-46	0	13	-99	-116	-122	-107	-13	21	55	-46
10	44	-51	41	57	57	24	87	92	75	59	-29	-131	-87	-90	-77	-4	47	-28	-64	-44
-17	-37	-55	-116	-32	-32	74	111	98	32	40	2	-35	-100	-104	-80	-33	52	35	-19	17
19	-75	-94	-52	38	38	144	86	26	-25	-68	-51	54	87	-34	-85	-12	62	144	49	-27
107	137	73	51	47	47	-29	-37	67	42	-12	-43	-48	-63	-26	-20	-20	-15	-14	-24	60
93	9	-92	-51	52	52	53	8	-53	-3	38	-62	-3	78	-8	-26	-70	-60	-33	-76	-29
36	-1	-108	-102	-12	-12	-43	-82	-92	-92	-82	-9	28	8	12	179	122	-41	-12	15	123
91	-18	69	234	40	40	-111	25	27	34	-107	-127	-113	-123	-25	29	12	-12	-34	34	56
-142	-68	67	18	-29	-29	-34	-87	-76	61	111	39	-37	-7	65	147	217	76	7	-64	31
84	-18	63	16	-8	-8	47	28	-27	-29	-93	-131	-131	-93	-32	-44	-24	-77	-90	-36	-88
-58	-143	-124	-113	-41	-41	29	111	97	18	-40	-107	-72	-66	-57	52	34	30	2	-3	49
-38	-78	-3	113	106	106	-8	-64	-82	-165	-177	-131	83	228	50	2	-24	-29	-22	-63	43
136	82	44	52	60	60	72	52	67	15	-41	-56	-99	-7	69	32	57	-2	-17	-18	-9
-34	-45	6	8	-3	-3	-44	-32	-57	-49	10	-27	-90	-76	-38	-50	-97	-98	8	17	-52
-95	5	141	125	37	37	30	72	34	-28	-39	4	52	62	127	158	120	76	122	105	-28
-86	-15	41	-26	-33	-33	-32	-46	26	75	7	-47	-9	43	62	47	71	148	81	8	41
78	46	47	7	30	30	37	-61	-94	-24	66	93	55	51	-4	-57	-35	36	-17	-24	29
85	86	-49	-90	-26	-26	-16	5	9	15	56	42	45	43	16	-53	-16	-7	-36	-24	19
22	-27	-76	-58	26	26	30	12	43	-16	-48	-6	-64	-83	10	62	8	-43	1	-44	-57
-24	-4	83	74	66	66	1	-22	-20	-71	-66	-25	-27	14	41	26	21	3	8	5	8
18	10	-64	-23	56	56	85	41	28	-4	-5	-9	-50	17	75	66	44	-15	-14	-18	-42
-42	-52	8	6	-36	-36	-42	-49	-32	22	22	-22	-90	-83	-19	-34	-34	-12	-56	-43	-30
-10	16	-26	-81	-94	-94	-32	-37	-52	-63	-66	-19	17	31	47	48	10	-30	-44	6	28
-14	-7	22	46	42	42	-2	-28	-24	-35	30	50	9	49	113	89	25	-8	20	36	55
61	26	-4	-44	-41	-41	-53	-9	16	3	22	68	25	-41	-52	-59	-66	-16	5	-10	-39
-19	-7	-31	-26	-35	-35	-65	-93	-63	-31	-64	-79	-41	-32	23	64	-18	3	-1	15	78

59	-20	-66	-65	-44	-34	-48	-46	-34	-66	-28	31	21	1	22	51	42	37	11	12
10	-24	-3	-1	1	21	-22	-46	-24	11	65	64	11	5	15	-22	-6	36	35	2
-45	11	52	80	-26	-33	39	32	45	67	61	72	46	30	2	2	40	85	28	6
24	31	14	46	42	28	9	-7	12	27	2	-6	-8	-8	2	-20	3	45	38	-5
-19	7	15	-8	-56	-40	53	67	18	-23	-24	-19	-25	-9	6	15	-11	-33	-37	-19
-23	-42	-25	-25	-33	-13	-32	-30	-16	-41	-64	-45	14	27	-19	-50	-46	-4	33	26
-16	-31	0	31	38	19	4	-14	1	2	4	-23	-46	-25	2	-4	-17	-9	-8	-34
46	6	-21	-18	16	17	29	30	8	42	68	32	-46	-25	8	-11	-62	-34	37	28
34	17	-31	-37	-1	-24	-47	-8	28	35	17	17	35	22	8	16	13	18	37	24
33	-3	-32	-5	-10	-33	-5	13	2	-17	-28	-21	-3	9	18	17	-4	-28	-27	-10
-1	-1	-7	-8	6	24	20	16	39	71	75	49	25	32	36	26	42	43	29	33
50	57	31	5	15	13	-15	-5	6	-10	9	20	27	16	-18	17	20	5	1	3
36	17	0	-2	-11	10	6	24	36	-1	-14	-4	-25	-17	-4	-11	10	10	-2	12
38	41	20	2	-10	-21	-23	-9	-5	-38	-40	-8	-15	7	2	-7	10	-24	-60	-70
-47	-50	-36	-26	-6	-10	-54	-66	-68	-55	-39	-67	-69	-71	-73	-38	-13	-16	-39	-28
-32	-45	-20	9	31	18	-1	17	35	49	65	53	33	16	4	6	-6	-19	1	21
24	24	20	-15	-13	7	4	12	-10	-41	-13	44	44	7	-21	-20	13	40	20	-6
-18	-32	-34	-15	9	4	-24	-28	-16	-19	-38	-43	-32	-11	-1	-9	-24	-18	-3	-6
-17	8	18	1	11	17	-6	-25	-17	18	29	8	8	19	-8	-1	14	4	30	28
3	21	13	-13	-4	-35	-51	-24	-14	15	12	9	15	-13	-24	-23	8	10	-6	-26
-41	-42	-40	-39	-25	-10	1	2	-12	-29	-37	-20	-4	-2	-16	-37	-29	-14	-28	-19
-13	-31	-11	-2	-13	-3	-16	-23	-7	-2	13	25	24	42	25	18	7	-1	8	18
19	20	31	42	51	50	32	11	30	30	19	7	12	30	37	29	20	13	7	12
23	32	36	24	14	32	39	26	18	18	24	16	16	26	14	0	-6	1	16	25
8	-24	-27	-11	-29	-33	-18	-12	-20	-29	-37	-42	-36	-16	1	15	22	16	1	-11
-13	-12	-8	-3	6	20	12	13	14	14	31	30	31	21	39	40	21	15	14	4
3	19	11	-13	-20	1	26	32	19	8	4	-4	-13	-11	-1	7	9	-8	-19	1
12	-1	-7	4	16	11	25	41	24	9	5	-2	-19	-17	-1	12	12	0	0	-13
-7	30	45	33	9	4	25	36	20	3	2	15	25	25	22	20	17	10	5	1
-7	-11	-7	-8	-20	-24	-21	-2	5	5	8	10	11	4	-10	-13	2	5	-15	-24
-27	-34	-34	-32	-33	-41	-45	-37	-28	-22	-20	-20	-20	-18	-13	-14	-18	-18	-16	-14
-14	-14	-14	-11	4	15	-3	-18	-12	0	1	1	1	5	13	10	8	8	-5	-7
-13	-13	-13	-16	-21	-24	-24	-25	-22	-9	5	10	11	10	4	-1	5	14	21	18
6	-5	-9	-10	-10	-9	-9	-8	-8	-8	-8	-7	-7	-6	-6	-5	-5	-5	-4	-5
-9	-6	4	12	14	8	3	3	8	15	8	0	5	5	9	9	9	9	7	4
4	5	7	8	8	9	9	9	9	9	9	9	8	7	10	11	12	12	14	15
15	15	15	15	15	16	16	14	9	7	11	12	12	12	12	12	13	12	6	-6
-15	-15	-16	-27	-25	-15	-14	-17	-16	-16	-17	-20	-21	-21	-20	-14	-9	-24	-33	-30
-25	-18	-12	-10	-15	-15	0	13	5	-1	-4	-10	-14	-15	-15	-15	-12	0	12	4
-6	2	10	12	11	12	11	12	10	6	1	0	1	5	5	2	4	7	6	-5
-6	0	-19	-26	-21	-17	-27	-24	-16	-15	-20	-31	-28	-26	-27	-24	-16	-18	-27	-34
-24	1	4	-5	-9	-12	-11	-7	-13	-13	-21	-27	-14	-10	-10	-4	-3	-5	-6	0
10	15	14	14	14	17	22	21	10	9	17	20	20	20	20	20	20	20	22	23
19	12	8	14	21	14	12	14	20	19	4	-5	-4	-5	-4	-4	-1	2	3	3
2	6	13	15	5	-6	4	21	25	15	6	7	16	16	11	9	9	10	13	13
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	1	1	1	1	4
7	1	-2	-3	-2	0	6	9	13	13	9	0	13	13	7	1	1	1	1	1

I1J144 71.009-0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 128 LAKE HUGHES, ARRAY STATION 12, CAL.  
 INSTR PERIOD = 0.0540 SEC DAMPING = 0.5579 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLN = -346.2 CM/SEC/SEC AT 1.48 SEC VELO = 14.7 CM/SEC AT 1.44 SEC DISP = 1.8 CM AT 18.46 SEC

1831 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC									
INITIAL VELO = -1.01864 CM/SEC					INITIAL DISP = 0.55688 CM				
-95	-228	-10	355	324	148	73	-33	-183	-73
-21	-39	225	464	204	-129	-271	-188	-31	77
-563	-658	-665	-375	81	289	160	-273	-718	-759
1552	529	-681	-1576	-2309	-2006	-67	2170	3267	3458
1069	-713	-1311	-1313	-1130	-703	-184	685	1201	890
-44	71	999	1870	2071	2167	1522	-394	-1721	-2257
-366	95	61	-102	-75	702	1355	1477	1062	86
299	-20	-485	-859	-600	173	874	947	426	0
-292	-358	-340	242	890	1111	1129	1111	785	-187
-1652	-1345	-267	407	50	-528	-801	-681	-217	385
812	1058	829	277	216	370	345	187	-109	-631
-954	-755	-281	315	739	831	693	643	686	492
630	60	-411	-470	-555	-531	-17	338	104	37
811	271	-468	-892	-1041	-525	179	237	-90	-217
366	-110	-601	-491	254	801	817	583	28	-519
-617	-300	78	87	-99	-157	-96	-80	46	288
808	709	342	20	-231	-404	-347	-86	87	153
224	346	361	160	-260	-471	-350	-273	-303	-65
43	-77	236	910	238	-186	-428	-434	-295	-125
64	-214	-32	261	167	-35	-110	21	140	156
-200	-83	238	454	417	200	-232	-639	-823	-700
300	420	132	-45	-63	-262	-477	-246	122	258
109	-176	-121	106	23	-270	-771	-5	108	54
391	252	2	-256	-409	-319	-11	259	213	119
-423	-489	-221	74	260	447	543	303	-89	-264
-263	5	318	394	254	-19	-280	-411	-465	-305
538	558	163	-173	-301	-318	-69	207	194	30
-142	113	134	79	164	219	110	-50	-271	-433
-244	23	140	194	285	218	54	8	-3	-57
-157	-3	104	157	181	192	104	-144	-319	-108
449	670	591	248	-99	-361	-581	-584	-232	126
-140	-23	72	163	235	181	-99	-309	-245	-54
233	100	-83	-173	-124	-36	19	26	39	106
262	29	-133	-143	-39	71	97	110	78	-44
-262	-267	-206	-75	14	52	76	101	186	291
275	187	14	-298	-513	-531	-442	-126	280	476
-3	-31	2	27	-53	-164	-152	-104	-92	48
540	328	-61	-322	-492	-474	-287	-72	127	199
30	-95	-112	-104	-18	87	121	88	101	131
11	40	55	39	0	-35	-44	-82	-114	-54
-200	-83	238	454	417	200	-232	-639	-823	-700
300	420	132	-45	-63	-262	-477	-246	122	258
109	-176	-121	106	23	-270	-771	-5	108	54
391	252	2	-256	-409	-319	-11	259	213	119
-423	-489	-221	74	260	447	543	303	-89	-264
-263	5	318	394	254	-19	-280	-411	-465	-305
538	558	163	-173	-301	-318	-69	207	194	30
-142	113	134	79	164	219	110	-50	-271	-433
-244	23	140	194	285	218	54	8	-3	-57
-157	-3	104	157	181	192	104	-144	-319	-108
449	670	591	248	-99	-361	-581	-584	-232	126
-140	-23	72	163	235	181	-99	-309	-245	-54
233	100	-83	-173	-124	-36	19	26	39	106
262	29	-133	-143	-39	71	97	110	78	-44
-262	-267	-206	-75	14	52	76	101	186	291
275	187	14	-298	-513	-531	-442	-126	280	476
-3	-31	2	27	-53	-164	-152	-104	-92	48
540	328	-61	-322	-492	-474	-287	-72	127	199
30	-95	-112	-104	-18	87	121	88	101	131
11	40	55	39	0	-35	-44	-82	-114	-54
-200	-83	238	454	417	200	-232	-639	-823	-700
300	420	132	-45	-63	-262	-477	-246	122	258
109	-176	-121	106	23	-270	-771	-5	108	54
391	252	2	-256	-409	-319	-11	259	213	119
-423	-489	-221	74	260	447	543	303	-89	-264
-263	5	318	394	254	-19	-280	-411	-465	-305
538	558	163	-173	-301	-318	-69	207	194	30
-142	113	134	79	164	219	110	-50	-271	-433
-244	23	140	194	285	218	54	8	-3	-57
-157	-3	104	157	181	192	104	-144	-319	-108
449	670	591	248	-99	-361	-581	-584	-232	126
-140	-23	72	163	235	181	-99	-309	-245	-54
233	100	-83	-173	-124	-36	19	26	39	106
262	29	-133	-143	-39	71	97	110	78	-44
-262	-267	-206	-75	14	52	76	101	186	291
275	187	14	-298	-513	-531	-442	-126	280	476
-3	-31	2	27	-53	-164	-152	-104	-92	48
540	328	-61	-322	-492	-474	-287	-72	127	199
30	-95	-112	-104	-18	87	121	88	101	131
11	40	55	39	0	-35	-44	-82	-114	-54



IIJ144 71.009.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
 STATION NO. 128 LAKE HUGHES, ARRAY STATION 12, CAL. COMP N69W 34 34 18N, 118 33 36W  
 INSTR PERIOD = 0.0540 SEC DAMPING = 0.5676 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLN = 277.9 CM/SEC/SEC AT 1.76 SEC VELO = -12.8 CM/SEC AT 1.70 SEC DISP = 8.9 CM AT 5.80 SEC

INITIAL VELO = 0.34023 CM/SEC INITIAL DISP = -0.80082 CM

1837 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-553	-687	-422	323	464	344	383	263	-144	-472	-525	-472	4	474	681	755	384	-473	-764	-497
-421	572	808	456	-34	-34	-301	-319	-138	-123	19	97	-117	-19	181	-118	-255	-24	-121	-545
-250	365	645	730	806	607	-8	-670	-702	56	942	1147	398	-1048	-1691	-1703	-1876	-1778	-1137	-131
927	2036	2136	1338	770	597	-9	-884	-1597	-1827	-1764	-1387	-557	258	568	1796	2483	2378	1373	58
-1141	-2234	-2611	-1825	-1154	-468	1116	2579	2779	2218	444	-1698	-2303	-1761	-682	784	1854	2030	1250	-7
-842	-818	-284	-608	-1778	-1166	1477	1971	785	941	1497	792	-579	-1149	-1037	-572	146	46	-185	96
151	435	978	550	-533	-683	-782	-340	931	998	-856	-1724	-784	207	505	809	918	696	198	-972
-2015	-772	1221	1123	107	-284	-554	-728	-414	-250	-27	725	743	-150	-674	-386	-121	-31	125	101
-29	129	363	507	627	606	332	-61	-409	-407	-301	-655	-572	495	1288	1226	515	-115	-85	-345
-791	-177	845	945	360	-205	-634	-924	-1267	-1179	-62	958	767	369	326	148	-87	-138	-317	-167
692	820	-16	-93	92	-277	-311	136	457	388	147	236	468	382	19	-319	-256	3	-161	-234
223	464	473	647	634	159	-331	-578	-594	-457	-372	-216	-200	-337	-216	-33	166	311	65	-307
-321	-184	-179	-54	-4	-27	192	501	736	652	75	-375	-431	-418	-237	25	325	226	45	94
-12	-77	55	70	-34	35	18	-325	-673	-849	-817	-514	-56	335	651	707	227	-436	-643	-442
-293	-260	-25	351	515	348	175	-27	-405	-724	-813	-445	120	414	435	370	157	-290	-655	-605
-348	-231	-6	363	464	171	-150	-141	-60	-207	-268	-188	-170	-163	36	245	307	148	68	164
-138	-515	-412	-227	-252	-211	-30	171	241	36	-85	35	-16	-100	112	351	375	212	-50	-193
-114	-75	-123	2	84	-100	-230	-106	-23	-100	-110	-94	-150	34	353	352	14	-185	-76	84
95	28	-54	-17	83	197	263	162	13	-155	-389	-331	-92	237	593	591	264	-63	-235	-274
-221	-323	-163	154	147	62	-21	-145	-334	-390	-173	73	277	391	262	35	-148	-216	-142	96
362	344	57	-289	-450	-105	224	139	123	345	374	143	-43	-24	-106	-303	-271	-117	155	405
306	-17	-329	-436	-561	-584	-110	487	666	489	251	67	-198	-457	-631	-378	192	549	565	432
174	223	275	250	-14	60	50	-24	-174	-129	73	78	-95	-204	-213	-166	-63	10	-35	16
197	438	395	-15	-233	-269	-407	-385	-181	41	178	404	632	466	93	-151	-294	-334	-204	-27
204	418	304	-53	-361	-414	-543	-295	214	625	571	-67	-393	-236	-218	-196	42	229	72	-56
408	538	506	353	-133	-488	-402	-92	241	463	685	645	272	-42	-268	-400	-332	-193	-103	136
-55	50	211	255	199	-522	-529	-337	-169	-55	68	177	149	39	-3	-24	-96	-67	38	18
-212	155	365	322	218	71	-111	-137	34	242	343	322	370	435	317	85	-72	-205	-389	-433
48	-21	-58	-65	-43	-7	-346	-397	-369	-271	-30	93	64	26	-74	-110	-50	100	187	138
101	-36	-161	-120	-111	33	66	91	176	236	226	140	52	-15	-148	-167	21	212	293	209
-149	-248	-240	-106	31	-225	-153	56	103	16	31	-10	-152	-143	18	118	112	56	-16	-61
-112	-156	-140	-71	-19	126	79	41	141	199	131	-9	-122	-201	-112	186	405	295	86	-41
175	326	257	125	121	76	69	-123	-283	-294	-112	71	198	318	278	-44	-285	-290	-170	-27
-291	-99	24	97	267	104	0	-144	-197	-101	48	215	369	342	182	-22	-255	-430	-487	-623
-232	-238	-254	-125	96	298	32	-309	-480	-441	-295	-105	-15	22	93	89	152	239	64	-191
368	159	-115	-311	-458	354	498	508	497	237	-94	-205	-153	-172	-240	-98	164	416	930	510
275	49	-146	-251	-175	-499	-248	88	297	331	258	108	-143	-350	-355	-265	-182	-53	183	386
-243	-216	-101	-30	46	56	249	234	134	26	-161	-320	-246	-13	184	298	234	148	64	-117
-277	-203	-47	82	139	183	269	196	-18	-227	-299	-200	17	181	198	90	-47	-172	-337	-354
					165	87	14	-11	-66	-143	-144	-40	66	156	141	15	-80	-145	-142

-13	24	187	221	57	-1	-84	-122	-60	85	252	265	93	-65	-203	-327	-373	-270	-110	74
172	184	147	-5	-152	-203	-217	-161	-45	51	54	52	60	19	41	22	-60	-58	-48	-49
10	49	-9	-61	-46	-50	-66	-32	4	7	0	-25	-93	-167	-132	0	109	119	35	-45
-105	-139	-93	31	72	-7	-62	-60	-91	-96	-66	-49	-73	-72	-19	15	-8	-47	-48	-29
-23	-52	-72	-49	10	58	81	58	27	27	57	-22	25	39	94	35	-39	-38	9	41
35	11	22	41	40	33	20	53	115	87	31	68	96	80	106	115	66	-17	-75	-52
9	72	126	136	102	21	-128	-270	-248	-100	70	193	225	180	41	-108	-198	-77	131	248
236	117	-23	-174	-227	-110	54	164	235	147	8	-55	-109	-46	-5	-32	-104	-138	-102	-48
-5	61	88	42	-11	-71	-127	-116	-35	29	78	88	48	1	-51	-102	-123	-90	-60	-50
8	95	130	67	-15	-42	-59	-72	-46	31	93	71	5	-18	-43	-72	-70	-28	9	32
17	-8	1	7	-26	-51	-15	50	58	36	59	67	42	-31	-110	-106	-36	30	56	149
111	-8	-48	-73	-108	-69	-17	18	52	57	1	-47	-42	-8	58	85	23	-46	-58	-20
-2	-11	-22	-24	-21	-12	-9	-30	-45	-11	43	74	60	31	37	60	21	-25	-10	-8
-36	-7	39	35	-8	-40	-33	-5	-15	-42	-19	30	44	28	-7	-71	-130	-142	-45	52
48	28	22	-10	13	83	86	34	-28	-71	-42	10	49	69	45	9	-26	-63	-76	-32
16	17	41	75	30	0	30	50	13	-47	-83	-85	20	-58	20	68	79	56	22	22
16	-15	-15	10	10	7	35	40	-16	-64	-42	-17	-23	19	74	99	68	46	64	51
-2	-57	-74	-51	-10	48	95	69	11	-28	-66	-43	-47	-76	-47	-18	5	38	32	-11
-30	-6	2	-33	-50	-50	-57	-41	-4	17	33	44	55	67	48	-6	-42	-43	-36	-24
-22	-27	-35	-14	57	77	21	-16	-23	6	32	11	-9	-14	-23	-20	15	25	-4	-4
34	63	69	-7	-102	-120	-56	26	96	124	77	0	-63	-93	-31	65	126	125	100	65
4	-27	-14	-5	42	88	78	48	13	-17	25	52	3	-20	-39	-88	-90	-28	20	50
88	105	51	-28	-80	-93	-81	-33	39	64	50	54	28	-16	-11	-2	-12	10	18	-18
-60	-44	-6	-1	14	33	9	-26	-26	-33	-37	-30	-21	-1	2	-22	-26	2	22	24
27	33	26	-4	-35	-50	-23	31	80	90	66	71	59	15	14	38	31	35	56	57
29	-1	-43	-66	-14	93	152	106	43	29	-15	-64	-51	-15	19	-14	29	16	4	-34
-69	-54	-14	1	-12	-43	-72	-65	-19	44	78	57	4	-19	-23	-14	7	13	6	6
6	6	10	35	50	24	-3	-1	18	29	11	-12	-23	-40	-42	-14	13	37	35	9
-18	-44	-38	-10	14	38	33	-24	-72	-51	-26	-13	17	35	3	-57	-87	-84	-78	-42
15	46	24	-20	-69	-84	-38	27	41	9	4	13	-4	-21	-9	-3	-7	-27	-53	-32
6	27	46	43	6	-55	-67	-58	-52	-11	37	44	16	-15	-23	-4	6	2	10	18
13	15	17	35	62	68	45	-8	-63	-60	-16	52	89	61	-7	-37	-41	-39	-22	2
7	-5	-14	-20	-26	-32	-38	-38	-35	-42	-44	-10	37	15	-43	-56	-48	-57	-42	-5
27	13	-28	-50	-67	-77	-71	-47	-18	6	11	7	18	2	-41	-58	-58	-48	7	82
101	57	15	-44	-100	-107	-56	-22	-25	3	14	-14	-15	-12	-21	-13	-1	-8	-26	-38
-44	-45	-45	-34	-4	28	53	61	35	-17	-44	-28	-3	23	28	6	-4	1	-27	-52
-51	-50	-53	-62	-60	-46	-50	-57	-66	-80	-60	11	33	10	18	56	98	122	110	79
49	20	11	41	59	-46	58	62	36	6	-15	-14	13	51	76	62	23	8	23	55
76	77	59	35	1	-16	0	29	41	42	35	25	11	-12	-11	3	3	9	18	15
0	6	11	-7	-19	-10	3	33	69	65	17	-34	-75	-81	-45	9	43	35	12	-16
-31	-9	15	22	16	-1	-8	-12	-12	10	22	9	22	40	37	8	-19	-14	-10	-13
20	37	12	-19	-34	-25	-6	-12	-3	21	3	-22	-34	-33	-21	-4	15	10	-17	-36
-50	-56	-50	-33	-11	3	-12	-35	-40	-27	1	10	-5	-2	23	-11	-18	-27	-11	-10
-21	-20	-13	-1	0	-3	4	-9	-21	15	48	29	9	9	-10	-24	-1	31	21	-9
-6	-4	-2	23	40	32	9	-3	7	33	39	12	-9	4	22	18	13	18	23	50
46	6	-3	19	40	59	58	23	-13	-18	13	42	59	51	25	8	-4	-16	-16	-6
4	14	25	36	40	13	-29	-43	-18	16	18	-11	-23	-14	-3	4	-14	-49	-39	-3
36	34	7	-14	-36	-53	-45	-16	13	36	41	4	-53	-76	-52	-19	19	64	85	63
27	18	27	8	-6	-53	45	37	16	14	19	23	-1	-35	-21	11	6	-14	-19	-17
-19	-25	-33	-34	-32	-26	-14	3	35	62	23	-41	-81	-85	-44	7	23	22	18	-14
-32	-25	-16	-21	-47	-44	-21	6	46	62	40	19	-7	-33	-42	-19	16	54	60	44
7	-30	-35	-25	-37	-32	-7	15	24	31	34	10	-38	-55	-46	-33	-29			



-66	-107	-22	-94	66	38	15	-4	3	9	26	41	66	44	-60	-108	-100	-100	-112	-49
51	27	-39	-46	-22	-30	-67	-12	14	-75	-61	-11	-44	-25	46	38	-32	-32	-76	10
64	58	19	-34	36	63	-30	-50	-14	29	53	11	-56	-58	-1	-52	-45	-45	143	-38
-61	-67	-67	-5	-30	-12	17	22	50	-2	5	33	-18	22	48	-38	5	40	-34	9
114	39	-17	13	-29	47	69	-6	66	39	7	113	120	73	52	17	-10	-18	26	65
51	22	26	22	20	95	106	2	-11	48	19	1	57	45	-22	-25	-20	-45	-23	5
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30	-22	-8	15	-24	-15	-6	23	32	5	11	-4	-11	-26	-43	7	5	3	15	-26
-63	-20	15	10	28	-5	-49	-4	9	-77	-107	-67	-22	-20	-55	-33	-42	-81	-38	20
7	-11	-17	-10	6	9	-69	-78	-18	-19	3	63	-7	-56	-25	-37	-16	15	4	-15
-38	-55	-74	-48	-11	-44	-58	-12	-31	-36	-29	-18	19	34	11	-25	-6	28	44	55
75	15	-48	-2	56	60	17	0	44	32	-10	-31	-46	4	16	-21	-36	-44	-26	10
-8	-14	-7	-66	-35	16	1	-9	-20	-2	-8	-30	-10	14	-4	-7	47	25	-11	22
38	26	32	46	14	-2	8	6	52	67	28	18	51	83	26	-7	49	23	-10	16
10	14	11	30	69	74	20	-5	32	24	5	25	26	54	90	67	7	14	39	52
73	79	81	56	16	14	30	-2	-20	33	36	-26	-34	-14	-32	-12	29	-1	-33	-35
-77	-84	-17	-4	-2	-5	-17	5	-14	-49	-19	-3	-19	-8	11	7	14	11	-9	22
24	-33	-37	19	38	42	23	-10	-2	0	-48	-19	34	0	9	15	5	-15	-24	-15
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25	41	55	52	69	48	34	57	31	14	35	50	38	24	33	34	31	49	49	35
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-20	-13	-28	-30	-20	-24	-41	-58	-47	-29	-27	-22	6	24	-8	-11	24	1	-27	-3
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39	30	2	27	55	15	12	33	19	7	3	-1	-1	-18	-28	7	28	17	13	8
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-22	-26	-13	-3	-11	-19	-7	0	-17	-18	-6	-6	3	4	-12	-8	-8	-18	-3	0
9	8	2	25	14	-9	4	16	-3	-9	-5	-27	-22	12	2	-15	-11	3	6	-13
1	17	0	-19	-22	-28	-25	-10	-9	-13	-3	-13	-30	-14	-12	-23	-41	-44	-19	-8
-12	-9	-13	-22	-12	1	6	0	1	6	-1	15	36	21	7	8	19	0	-4	10
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19	11	33	29	5	19	29	33	29	13	6	18	23	27	16	5	24	16	5	3
-3	29	28	-10	-23	-15	1	-4	-3	2	1	-12	-27	-12	-4	-11	-1	10	9	-8
-11	9	4	-11	6	18	10	9	6	-20	-15	-1	-27	-24	-8	-1	18	27	8	5
18	17	27	21	3	22	47	37	43	52	41	33	24	31	35	22	8	2	8	14
6	6	6	-2	-3	0	-1	0	-14	-15	-3	-10	-9	-8	-15	-1	-1	-14	-24	-19
-2	-10	-38	-33	-5	0	-22	-21	-8	-16	-4	7	-13	-2	16	-7	-1	20	16	28
14	8	24	16	24	25	4	-10	-5	-29	34	-4	-21	-12	-2	4	25	41	29	10
20	22	17	15	19	24	19	23	10	-8	1	2	11	3	0	3	-16	4	30	8
-23	-36	-19	-5	-5	15	12	7	-1	-22	2	40	25	9	-2	-2	11	6	5	1
-12	20	50	24	-12	-20	-20	-27	-15	-19	-22	4	-4	-25	-23	-11	-1	-9	-28	-26
8	22	-1	-4	9	-5	-2	10	-2	3	19	12	-4	14	32	29	15	14	18	33
37	7	-1	4	17	2	-8	5	20	14	-6	-9	-16	-21	2	-1	-15	-7	1	-19
-35	-15	-3	-10	-35	-50	-29	-9	-18	-31	-11	-9	-35	-22	-5	-12	-11	4	-5	-19
-13	-25	-27	-2	15	8	0	-8	-8	1	-17	-20	-7	-13	-16	6	4	-6	5	10
-9	-20	-4	13	11	23	22	3	3	-14	-28	-6	-3	-11	-17	-33				

IIJ145 71.027.0  
STATION NO. 458  
INSTR PERIOD = 0.0510 SEC DAMPING = 0.571

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
15107 VANDEN STREET, BASEMENT, LOS ANGELES, CAL.  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
COMP SOOM 34 11 42N, 118 07 42W

PEAK VALS ACIN = 113.9 CM/SEC/SEC AT 7.90 SEC VELO = 31.6 CM/SEC AT 8.82 SEC DISP = -17.6 CM AT 8.16 SEC

INITIAL VELO = 1.12963 CM/SEC INITIAL DISP = 0.96960 CM  
4932 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-149	-258	-173	-39	-87	-160	-133	-81	53	173	183	116	30	-45	-55	-20	0	-60	-34	-27
-53	-52	8	19	21	157	227	132	75	138	160	49	-147	-206	-148	-73	-86	-163	-118	-48
17	75	-17	-82	-52	68	138	80	25	-66	-219	-145	-8	-9	-107	-235	-245	-198	-130	-11
99	75	38	91	132	143	39	-114	-160	-64	3	-2	51	50	-16	-37	6	46	131	181
151	7	-150	-281	-338	-294	-308	-285	-169	-99	-84	-118	-191	-205	-199	-220	-154	-86	-71	76
281	277	233	325	473	426	160	-112	-138	-4	24	-95	-259	-409	-448	-317	-70	112	124	49
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84	87	40	79	71	65	65	65	65	65	65	65	65	65	56	56	38	25	36	60	77	70	53	39	28	25	23	24	37
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3	4	6	9	9	10	10	9	9	7	8	9	7	-4	9	11	15	18	17
17	15	12	12	7	12	9	8	7	10	13			7					

IIJ145 71.027.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N,118 23 42W  
STATION NO. 458 15107 VANDORN STREET, BASEMENT, LOS ANGELES, CAL. COMP S90W 34 11 42N,118 07 42W  
INSTR PERIOD = 0.0500 SEC DAMPING = 0.589 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS										ACLN = 103.4 CM/SEC/SEC AT 6.60 SEC VELO = -28.8 CM/SEC AT 18.06 SEC DISP = 15.3 CM AT 17.06 SEC									
INITIAL VELO = 0.61902 CM/SEC										INITIAL DISP = 0.07924 CM									
4933 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.																			
-167	-124	-44	41	64	66	39	24	-1	-9	-33	-92	-43	1	13	3	-26	-51	32	75
20	4	62	83	40	26	21	21	8	39	72	12	-62	-53	-59	-51	-22	3	-51	-42
109	172	-13	-161	-132	-29	1	14	59	123	135	125	72	4	-130	-266	-195	-29	34	56
89	83	51	100	132	-54	-178	-123	-63	-25	51	103	90	36	-10	-48	-41	-5	-12	75
169	169	72	-9	-41	-1	70	133	108	-16	-246	-486	-629	-662	-636	-616	-620	-504	-198	125
305	356	361	303	202	143	177	179	205	213	58	-13	19	191	192	-41	-326	-473	-519	-532
-462	-392	-378	-424	-435	-82	555	797	767	577	300	103	113	-15	-213	-168	-75	-143	-175	38
220	222	107	-83	-270	-191	99	248	217	198	375	367	114	-167	-384	-438	-161	253	333	353
372	383	283	22	-113	38	469	880	962	881	621	369	97	-210	-334	-146	95	114	-143	-341
-480	-574	-593	-397	-420	-629	-617	-383	28	424	578	576	419	88	-292	-525	-478	-299	-110	-186
-410	-494	-317	-20	76	-179	-333	-338	-355	-239	-62	-179	-327	-244	-3	267	403	342	322	290
155	64	276	651	849	756	484	428	423	152	-195	-543	-737	-690	-430	-127	202	448	432	243
110	188	336	462	493	301	103	154	467	794	866	740	431	-3	-221	5	110	-66	-173	-244
-337	-294	-124	42	89	-126	-290	-274	-189	-36	97	120	-162	-351	-252	37	49	-193	-312	-292
-242	-264	-364	-421	-325	-1	335	612	710	674	481	186	-46	-318	-606	-592	-535	-697	-781	-573
-345	-223	-185	-215	-292	-358	-374	-208	-124	-196	-150	71	416	367	78	-147	-197	-203	-417	-685
-825	-764	-535	-316	-135	19	200	471	693	917	1034	815	346	-31	-293	-439	-438	-152	153	129
-169	-470	-513	-382	-186	-34	-35	-82	-297	-540	1036	-811	-450	319	802	951	883	417	-118	-305
-258	-122	-6	-39	-76	31	149	108	-5	-120	-118	93	206	59	-111	-393	-651	-736	-680	-679
-662	-523	-261	3	226	500	635	611	500	506	629	813	821	592	272	74	2	87	291	554
751	787	756	691	584	370	153	161	189	105	-87	-203	-136	157	461	524	352	102	16	-67
-107	26	217	260	240	218	151	123	174	153	-16	-209	-343	-370	-302	-187	-111	-93	0	269
467	386	224	148	0	-220	-258	-19	188	180	69	-102	-282	-228	17	208	281	239	196	146
62	-90	-259	-308	-174	9	57	-5	-88	-64	-62	-112	-178	-253	-312	-230	-52	31	131	227
109	-161	-349	-404	-428	-438	-414	-251	-66	42	146	288	315	222	99	-2	5	145	285	287
111	-125	-165	-45	111	203	162	0	-239	-493	-674	-694	-494	-273	-218	-318	-418	-394	-280	-136
83	324	456	433	256	-71	-344	-500	-520	-558	-598	-543	-480	-407	-197	81	237	305	281	200
227	258	242	121	-63	-183	-142	48	154	60	-139	-275	-355	-447	-483	-432	-354	-352	-398	-420
-388	-321	-306	-342	-356	-367	-357	-303	-198	-94	27	125	184	250	291	308	315	301	268	239
201	147	85	32	80	255	425	600	782	931	1021	992	911	809	653	515	455	412	374	409
480	579	644	620	605	630	645	596	539	503	487	397	249	121	6	-154	-312	-353	-301	-289
-382	-486	-562	-618	-701	-785	-779	-647	-559	-634	-722	-748	-765	-768	-792	-848	-921	-965	-975	-987
-977	-903	-811	-761	-768	-710	-555	-377	-253	-152	-7	149	243	286	234	150	101	106	163	280
424	540	653	764	819	748	659	619	541	438	357	350	420	547	688	796	803	781	735	665
578	512	418	283	183	88	-50	-206	-300	-329	-316	-296	-318	-359	-358	-336	-311	-262	-198	-102
46	46	381	457	430	385	334	263	188	69	-54	-43	-43	-152	-215	-172	-140	-189	-305	-394
-418	-418	-340	-184	-75	-12	8	-59	-109	-53	24	16	-15	-27	-107	-209	-222	-246	-157	-35
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-472	-478	-351	-168	-105	102	173	287	397	496	543	545	545	531	482	208	173	219	317	367
321	244	164	105	73	102	173	287	397	496	543	545	545	531	482	426	433	478	516	568

586	522	391	244	131	39	-18	-1	73	144	179	210	280	338	301	230	153	74	66	125
177	188	194	208	179	81	-24	-122	-203	-274	-333	-373	-431	-481	-515	-546	-577	-614	-648	-661
-647	-630	-627	-614	-573	-520	-458	-407	-383	-381	-402	-412	-393	-349	-297	-252	-240	-266	-288	-305
-340	-389	-423	-459	-491	-509	-524	-522	-500	-459	-386	-312	-257	-270	-345	-422	-463	-481	-479	-441
-380	-324	-308	-304	-268	-307	-296	-312	-313	-269	-204	-160	-111	-56	-9	-7	-44	-87	-99	-73
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524	567	616	659	683	704	722	703	674	674	690	712	714	693	665	638	601	558	528	494
449	377	294	230	208	212	213	190	141	91	42	8	-12	-10	5	15	18	27	27	20
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19	19	19	20	25	26	26	27	23	17	17	8	4	12	19	23	22	17	12	13
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14	18	14	12	12	12	11	11	10	11	11	13	15	14	14	11	11	8	3	6
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IIJ145 71.027.0  
STATION NO. 458  
INSTR PERIOD = 0.0490 SEC DAMPING = 0.614

SAN FERNANDO EARTHQUAKE  
15107 VANOWEN STREET, BASEMENT, LOS ANGELES, CAL.

FEB 9, 1971 - 0600 PST  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
COMP DOWN 34 11 42N, 118 07 42W

PEAK VALS ACLN = -106.4 CM/SEC/SEC AT 5.58 SEC VELO = 18.1 CM/SEC AT 23.54 SEC DISP = -7.0 CM AT 25.42 SEC

4934 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.  
INITIAL VELO = -1.38758 CM/SEC INITIAL DISP = -0.88794 CM

-125	18	25	-34	-68	-44	118	170	220	162	100	206	279	176	-64	-401	-424	-120	17	70
303	399	384	321	67	-242	-271	-158	-137	-246	-242	-120	-104	4	124	68	122	297	354	308
252	12	-66	-165	-359	-164	67	-53	312	312	102	-126	1	83	10	70	126	-98	-213	-203
-315	-295	-134	65	212	216	196	111	-76	-162	-106	-63	117	191	304	500	403	125	-146	-448
-520	-207	82	119	410	733	462	62	-139	-243	-207	-89	17	57	166	320	270	-167	-385	-156
-61	-175	-239	-152	-88	-179	-291	-266	-212	-78	40	92	-3	-53	187	406	348	169	77	97
42	-242	-391	-401	-518	-600	-580	-646	-461	-85	58	258	658	855	635	274	-20	-200	-213	-23
118	225	316	335	190	25	-8	-40	-249	-568	-599	-222	72	185	310	191	-2	262	458	213
99	316	404	248	91	-50	-177	-236	-238	-313	-262	-242	-302	-357	-333	-305	-375	-552	-522	-251
31	276	385	160	-121	-185	-35	41	38	-98	-341	-511	-455	-367	-288	-205	-108	178	526	710
405	98	191	225	-37	-27	68	43	244	434	261	-30	-343	-643	-835	-689	-486	-329	-203	-97
55	166	-21	-71	85	234	284	256	129	179	210	-88	-536	-635	-414	-8	215	30	-13	398
743	859	680	267	144	494	604	378	45	-451	-606	-500	-609	-576	-416	-284	66	366	251	226
170	-131	-279	-217	-163	90	592	807	675	654	732	682	519	346	62	-127	-104	-166	-700	-1064
-951	-687	-141	220	180	345	579	493	523	394	-135	-458	-301	37	330	413	359	365	209	-256
-422	-460	-622	-319	206	296	401	661	571	251	5	-331	-573	-620	-497	-350	30	445	612	615
403	144	-111	-352	-490	-420	-130	116	185	63	15	226	410	264	86	53	-86	-75	246	394
266	169	159	57	-54	37	174	266	463	568	278	-57	-60	8	-60	-183	-290	-173	-68	-92
-121	-89	-117	193	299	-50	-160	143	266	148	-74	-365	-468	-268	-54	308	600	558	495	404
-6	-523	-774	-873	-1001	-1017	-874	-524	-4	201	-31	-253	-326	-243	-181	-188	-108	49	148	289
357	115	-196	-282	-244	-211	-124	-73	-81	63	216	265	99	-258	-502	-542	-531	-582	-404	32
261	223	162	94	-108	-201	-272	-463	-508	-180	101	135	82	-20	-160	-269	-240	-177	-82	125
311	471	610	592	432	348	310	270	260	208	61	-105	-105	101	193	130	93	180	273	289
281	207	102	103	61	-65	-94	-137	-269	-331	-232	-195	-293	-304	-142	-53	9	73	3	-45
51	25	-106	-135	-79	-68	-134	-199	-163	-63	63	145	114	55	50	36	-58	-173	-94	137
326	320	242	188	150	163	102	-8	-78	62	355	559	572	588	573	322	136	50	32	164
223	160	201	358	415	381	362	328	366	524	462	192	-24	-126	-198	-210	-237	-293	-315	-314
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-584	-505	-374	-355	-372	-283	-241	-256	-287	-330	-351	-227	-131	-140	-206	-327	-401	-394	-337	-246
-126	-6	72	66	-42	-107	-118	-155	-78	85	133	101	158	217	230	270	303	325	356	326
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-127	-155	-206	-243	-285	-301	-293	-257	-224	-175	-119	-61	-28	-58	-86	-74	-50	1	54	76
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192	243	276	318	263	107	57	127	144	131	155	98	40	30	-38	-163	-257	-240	-161	-113
-104	-55	-48	-162	-304	-399	-435	-405	-337	-274	-238	-220	-224	-258	-291	-339	-352	-324	-343	-319
-212	-184	-211	-210	-180	-130	-108	-144	-166	-179	-196	-158	-79	-11	110	242	283	253	200	200
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217	179	177	184	194	192	150	72	42	80	65	-21	-60	-78	-74	20	70	42	19	-27

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247	268	343	402	422	438	447	450	457	478	505	526	539	533	513	488	458	429	398	357
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417	421	394	361	350	345	310	262	218	172	163	186	191	179	153	112	51	-13	-68	-97
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294	291	305	313	314	310	301	287	261	235	212	190	173	163	136	108	112	109	96	75
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199	213	212	162	104	96	96	88	89	119	161	196	207	187	171	183	187	161	145	163
177	176	169	177	190	188	165	142	129	97	103	116	75	99	142	94	70	105	82	45
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-181	-200	-239	-268	-283	-291	-299	-301	-278	-258	-259	-272	-292	-313	-308	-301	-311	-307	-271	-227
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112	112	136	144	133	135	134	113	117	168	223	254	245	242	224	173	148	153	149	159
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-66	-86	-109	-133	-151	-158	-154	-155	-151	-131	-110	-103	-101	-96	-89	-80	-70	-61	-57	-60
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IIJ146 71.028.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 459 15107 VANOWEN STREET, 4TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0470 SEC DAMPING = 0.585 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP 500M 34 11 42N, 118 07 42W

PEAK VALS ACIN = -255.4 CM/SEC/SEC AT 12.76 SEC VELO = 40.4 CM/SEC AT 18.66 SEC DISP = -18.9 CM AT 8.04 SEC

4926 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.									
INITIAL VELO = 0.46287 CM/SEC					INITIAL DISP = 0.56457 CM				
181	215	30	-243	-262	-66	47	-49	-95	103
109	286	335	159	-39	-43	-67	-58	72	215
-113	3	81	55	-73	-263	-313	-276	-203	-82
-35	70	178	245	217	165	85	-32	-65	-177
-159	-70	133	165	-51	-179	-236	-326	-335	-277
-171	-92	51	270	428	391	372	469	499	208
-15	-173	-265	-238	-49	-55	-374	-691	-699	-396
-134	-218	214	758	1017	937	947	1143	1152	1060
504	541	397	-17	-468	-771	-1138	-1445	-1534	-1220
-655	-543	-238	88	361	771	1308	1578	1320	640
-98	80	-168	-714	-1287	-1538	-1312	-1216	-1234	-923
757	1079	1099	870	796	1034	1347	1537	1567	1534
-298	-427	-523	-542	-603	-861	-795	-1046	-1269	-1160
494	539	677	925	1014	973	965	907	685	311
-1113	-1110	-1068	-960	-802	-588	-400	-529	-965	-1323
-205	-166	-48	203	502	628	288	-201	-438	-180
-613	-263	-49	-48	49	223	266	210	6	-285
889	768	554	403	154	-107	-64	237	384	314
-1381	-1484	-825	-195	-103	-397	-596	-640	-677	-1060
420	166	-169	-604	-746	-483	-102	402	977	1467
1122	1171	1101	924	707	665	445	32	-170	62
-59	280	619	873	1066	1151	1099	828	383	137
221	189	61	-81	-294	-538	-696	-786	-868	-854
-1031	-941	-823	-604	-387	-274	-207	-124	-43	-70
869	593	149	-180	-141	120	176	84	-57	-144
-1270	-1267	-1266	-1274	-1291	-1322	-1359	-1332	-1162	-928
1378	1289	1135	1008	1112	1438	1593	1611	1551	1387
-1193	-1261	-1260	-1256	-1266	-1318	-1474	-1754	-2084	-2324
155	118	125	192	373	570	824	1108	1277	1346
874	828	679	445	245	130	84	96	137	115
77	32	41	137	296	405	460	579	703	767
644	402	86	-172	-289	-335	-378	-432	-525	-677
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IIJ146 71.028.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
 STATION NO. 459 15107 VANOWEN STREET, 4TH FLOOR, LOS ANGELES, CAL. COMP S90W 34 11 42N, 118 07 42W  
 INSTR PERIOD = 0.0520 SEC DAMPING = 0.590 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS	ACLN = 213.8	CM/SEC/SEC AT 7.38 SEC	VELO = -37.6	CM/SEC AT 18.06 SEC	DISP = 17.9	CM AT 16.98 SEC													
INITIAL VELO = 1.37244			CM/SEC	INITIAL DISP = -0.14523															
4928 INSTRUMENT AND BASELINE CORRECTED DATA			IN MM/SEC/SEC	AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.															
193	55	-83	-97	-21	86	168	208	180	-1	-200	-267	-207	-179	-148	-31	95	94	33	-3
-22	-44	-75	-54	19	90	174	247	236	139	-5	-63	-16	11	-13	2	66	85	-3	-126
-213	-196	-64	33	-23	-142	-180	-92	-33	-58	-37	121	240	222	183	97	-154	-300	-176	49
202	271	324	309	143	-107	-344	-458	-387	-220	-42	156	280	279	190	-57	-324	-412	-301	-87
149	416	548	526	299	-41	-258	-278	-179	60	350	457	175	-246	-638	-909	-1020	-1027	-920	-634
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-211	-204	-322	-401	-406	-473	-604	-435	-459	-343	-153	-354	-545	-540	-507	-629	-743	-603	-72	471
673	781	958	1091	943	410	-88	-177	31	272	442	658	949	1021	570	-39	-526	-906	-932	-594
-121	271	427	374	252	-107	-522	-619	-372	145	563	756	817	816	683	349	103	178	443	580
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11J147 71.030.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 460 15107 VANDORNEN STREET, ROOF, LOS ANGELES, CAL. COMP SOOM 34 11 42N, 118 07 42W  
INSTR PERIOD = 0.0480 SEC DAMPING = 0.483 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS	ACLN =	372.1	CM/SEC/SEC AT 14.32 SEC	VELO =	-55.1	CM/SEC AT 11.24 SEC	DISP =	-20.5	CM AT 8.10 SEC
4935 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.									
INITIAL VELO = -0.93207 CM/SEC INITIAL DISP = 0.70852 CM									
-116	107	240	90	-99	-32	265	603	476	-112
374	255	-46	-338	-359	-213	-1	227	360	242
359	47	-338	-586	-600	-416	-319	-335	-325	-220
81	185	249	186	-93	-389	-443	-256	31	344
6	273	378	188	-31	-116	-72	24	216	348
-296	-314	-296	-392	-528	-550	-401	-162	115	445
283	97	-307	-625	-734	-620	-369	-252	-466	-698
-80	-55	-38	108	408	742	861	612	405	687
748	258	-75	-255	-448	-646	-621	-425	-242	-188
698	470	55	-168	-109	158	449	394	-63	-487
-511	-574	-648	-842	-1309	-1915	-2152	-1625	-802	-361
1097	1320	1340	1316	1321	1359	1485	1682	1708	1371
-326	-900	-1299	-1038	-1909	-2253	-2627	-2692	-2401	-1943
1098	1789	2169	2059	1736	1526	1451	1351	1157	980
-950	-776	-707	-867	-1221	-1592	-1861	-1884	-1779	-1591
-200	111	116	16	-61	-133	-42	207	435	526
280	371	398	259	4	-331	-784	-1091	-756	-756
998	993	657	345	248	407	761	1200	1534	1493
-951	-877	-754	-436	2	154	-286	-1429	-2216	-1948
-1060	-1054	-929	-584	13	718	1392	1958	2114	1631
994	944	1062	1339	1560	1471	1298	1201	1097	1087
769	485	33	-286	-280	-21	297	557	636	643
226	447	577	477	223	-39	-104	-6	170	333
-633	-493	-493	-636	-723	-720	-654	-659	-702	-706
-167	-89	193	590	890	1040	1198	1229	896	388
-2756	-2806	-2684	-2444	-2224	-2093	-1944	-1669	-1253	-901
1205	1980	3016	3580	3389	3182	2951	2696	2452	2181
-266	-667	-1293	-2037	-2574	-2898	-3050	-3074	-2937	-2710
-447	-189	48	326	658	1061	1462	1797	2008	2040
1000	992	966	854	613	385	236	130	19	-172
-850	-1022	-1014	-744	-326	-29	156	198	216	311
1526	2177	2661	2164	1478	723	182	-266	-581	-888
-1895	-2211	-2644	-2942	-2949	-2527	-1879	-1352	-969	-634
3046	3466	3601	3568	3418	3182	2915	2746	2608	2386
-1024	-1360	-1857	-2475	-2866	-2977	-3024	-3045	-2925	-2674
-593	-341	-80	201	518	805	1016	1158	1259	1332
2176	1776	1379	1017	712	437	210	7	-192	-373
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-100	-149	-98	69	277	-1049	-540	-32	434	794
266	174	137	252	399	2067	2146	1985	1407	497
-103	138	281	166	39	-482	-383	-84	213	541
75	-122	-369	-395	-214	332	-72	-640	-1083	-1116
-521	-473	-462	-386	-288	-288	-737	-1126	-1135	-719
1255	803	339	155	253	-172	-732	-690	-235	174
-725	-781	-730	-544	-261	503	415	212	215	572
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2718	1992	885	35	-394	653	1136	1381	1362	1170
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193	65	-88	-279	-474	-696	-891	-1022	-1138	-1304	-1546	-1868	-2184	-2394	-2588	-2674	-2567	-2163	-1680	-1271
-948	-661	-408	-246	-134	-41	70	211	383	567	808	1035	1183	1233	1193	1075	924	823	826	874
909	897	799	652	504	356	230	134	25	-141	-322	-506	-672	-816	-954	-1149	-1348	-1449	-1473	-1458
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-574	-609	-676	-719	-690	-573	-447	-367	-316	-284	-287	-288	-277	-219	-125	-18	69	121	127	104
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-958	-939	-914	-886	-854	-785	-692	-576	-460	-357	-280	-228	-184	-118	-46	-11	-17	-22	-26	-33
-47	-67	-81	-81	-83	-96	-126	-163	-210	-251	-303	-379	-459	-508	-554	-604	-664	-713	-728	-690
-606	-541	-529	-525	-486	-415	-323	-242	-197	-184	-187	-172	-122	-43	46	141	226	298	358	418
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-522	-431	-347	-273	-212	-148	-71	17	121	248	366	461	504	525	519	493	458	436	448	491
548	602	608	553	468	398	339	291	254	225	176	118	55	-14	-73	-137	-193	-238	-276	-321
-380	-443	-486	-518	-540	-558	-567	-574	-595	-623	-634	-622	-587	-560	-535	-502	-473	-448	-425	-382
-320	-262	-202	-156	-129	-95	-76	-61	-28	24	84	144	205	258	296	324	346	344	311	274
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112	98	69	44	25	31	73	135	192	229	228	186	139	98	64	51	66	88	107	127
156	190	182	148	117	87	68	55	46	43	44	51	47	40	40	84	158	204	221	212
169	81	-17	-76	-97	-89	-71	-74	-78	-77	-75	-78	-76	-71	-76	-101	-133	-155	-152	-148
-159	-172	-187	-200	-199	-188	-180	-164	-125	-77	-42	-24	-52	-109	-158	-183	-202	-238	-281	-285
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297	285	273	252	220	182	146	111	64	14	-21	-44	-56	-68	-93	-125	-170	-225	-278	-308
-304	-296	-302	-300	-277	-251	-239	-239	-243	-240	-214	-174	-123	-67	-34	-33	-33	-18	-31	83
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125	147	184	225	239	230	201	165	139	124	122	130	123	99	58	10	-42	-88	-113	-112
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IIJ147 71.030.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 460 15107 VANDOWEN STREET, ROOF, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0470 SEC DAMPING = 0.643

EPICENTER 34 24 00N, 118 23 42W  
 COMP S90W 34 11 42N, 118 07 42W  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS		ACLN = -311.1 CM/SEC/SEC AT 10.44 SEC				VELO = -34.8 CM/SEC AT 18.06 SEC				DISP = 17.2 CM AT 17.02 SEC									
4933 INSTRUMENT AND BASELINE CORRECTED DATA		INITIAL VELO = -0.44471 CM/SEC				INITIAL DISP = 0.12599 CM				AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.									
-22	69	121	171	250	276	122	-121	-294	-236	-73	20	138	210	121	-80	-212	-258	-251	-274
-212	-81	61	99	93	133	125	41	-32	-64	-10	87	237	363	349	216	60	-63	-109	-123
-119	-114	-127	-146	-144	-195	-265	-239	-141	-19	127	91	-50	-56	-8	49	114	225	373	429
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11J147 71.030.0  
STATION NO. 460  
INSTR PERIOD = 0.0510 SEC

SAN FERNANDO EARTHQUAKE  
15107 VANOWEN STREET, ROOF,  
LOS ANGELES, CAL.  
DAMPING = 0.582

FEB 9, 1971 - 0600 PST  
ACCELEROGRAM IS BAND-PASS FILTERED  
BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
COMP DOWN 34 11 42N, 118 07 42W

PEAK VALS ACCLN = 158.9 CM/SEC AT 4.84 SEC VELO = 18.9 CM/SEC AT 23.52 SEC DISP = 7.1 CM AT 24.14 SEC

INITIAL VELO = -0.02820 CM/SEC INITIAL DISP = -1.36585 CM

4935 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-167	-161	88	71	-165	-233	-145	241	389	177	104	63	122	477	385	-163	-630	-787	-159	383
232	134	481	604	225	-217	-367	-317	-181	-19	-224	-480	-255	132	24	-94	17	244	338	413
406	327	-14	-85	-261	-219	-500	54	479	18	67	477	-69	-543	-22	590	268	-277	-123	-6
-301	-635	-398	180	242	128	340	210	107	-64	-464	-333	69	210	332	289	486	698	138	-484
-614	-586	-403	218	468	441	729	945	26	-869	-472	183	158	-139	-70	416	376	69	-201	-664
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87	278	201	374	582	312	-127	-323	-218	-181	-568	-1172	-796	199	687	541	320	-76	-351	322
716	127	-14	474	594	62	-369	-337	-119	-60	-298	-281	-36	-118	-416	-427	-130	-168	-568	-808
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3	11	6	-7	-7	4	8	4	4	3	3	2	1	-1	-9	-14	-14	-13	-11	-12	-18
-21	-20	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23	-25	-29	-30	-21	-7	-3	-4	-8	-11
-7	-4	-3	0	6	5	-2	-4	-4	-2	-2	-23	-2	-4	4	8	3	2	8	12	14
15	10	9	17	18	9	4	7	14	19	19	19	19	19	18	13	-12	-13	0	8	12
9	5	2	1	-3	-7	-11	-6	-1	-4	-4	-7	-14	-15	-12	-13	-12	-13	-12	-12	-10
-11	-17	-20	-14	-8	-11	-16	-15	-13	-12	-12	-13	-13	-13	-13	-13	-13	-13	-12	-11	-10
-9	-8	-5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	6	15	24	22	16	8
3	-1	-3	-4	0	7	11	11	11	11	11	11	11	11	11	11	11	11	11	12	14
16	17	19	19	18	13	8	10	11	11	11	11	11	11	11	11	11	11	11	11	11
9	8	5	1	-1	0	0	2	3	4	4	3	1	-3	-6	-8	-8	-8	-8	-8	-6
-1	4	-2	-9	-8	-8	-8	-8	-8	-5	-5	-1	0	-2	-6	-10	-11	-9	-9	-9	-9

-7	-2	-1	-7	-12	-7	-4	-13	-20	-16	-9	-2	-4	-6	-7	-7	-6	-3	-4	-4
-4	-4	-4	-3	1	5	7	7	6	6	6	6	6	6	8	11	11	11	6	6
-3	-3	-3	-3	-3	-2	3	5	1	-6	-8	6	8	-4	-9	-7	1	5	5	-2
5	5	5	5	5	5	5	5	6	8	9	9	10	12	13	13	13	13	13	11
8	3	1	2	4	6	5	5	5	5	6	6	6	6	5	3	1	2	2	2
2	2	2	2	-2	-9	-10	-6	0	-2	-6	-13	-19	-19	-19	-17	-15	-15	-15	-16
-16	-16	-17	-17	-17	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-17	-15	-15	-15	

11J148 71.070.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
 STATION NO. 431 616 S. NORMANDIE AVENUE, BASEMENT, LOS ANGELES, CAL. COMP NOOE 34 03 45N, 118 17 56W  
 INSTR PERIOD = 0.0370 SEC DAMPING = 0.437 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACLN = -107.6 CM/SEC/SEC AT 11.24 SEC VELO = 16.2 CM/SEC AT 10.92 SEC DISP = 7.3 CM AT 12.28 SEC

INITIAL VELO = 0.21281 CM/SEC INITIAL DISP = 0.53197 CM  
 930 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

2	-30	-56	-4	37	25	10	-9	-31	-9	-1	20	18	8	-5	-22	-25	-17	-58	-63
-28	-1	21	53	46	-17	-50	15	37	8	-21	-58	-62	-37	-23	-11	-14	-10	90	164
94	-44	-118	-87	-16	-21	-54	-81	-35	70	117	72	46	-18	-88	-73	10	43	69	17
14	-10	13	40	3	-67	-38	26	22	-6	5	-5	-8	32	63	-65	-195	-159	-10	101
64	20	15	66	53	0	3	-10	-44	-22	-92	-84	27	118	102	8	-38	2	1	-54
-109	-44	16	33	48	-7	-48	15	48	23	-107	-124	16	136	99	-13	-56	-40	-67	-47
37	26	-20	4	-14	-28	-35	-9	-53	-63	43	38	69	119	-25	-139	-77	40	86	87
-4	-79	-30	29	-11	-3	5	14	53	71	37	19	47	4	0	108	59	-48	-59	-31
10	-6	39	49	-28	-78	-2	97	75	17	-82	-173	-159	-63	46	33	-33	-72	-48	-12
62	79	79	22	29	68	86	100	130	64	-36	-83	-33	35	77	99	84	44	10	-11
16	38	100	65	-78	-159	-64	100	226	191	76	56	146	115	30	3	-38	-57	-29	-6
2	-17	-85	-127	-136	-80	25	50	-21	-11	-17	-47	-63	-29	151	76	-99	30	44	9
100	145	57	-14	-49	-45	-38	-2	-3	-73	-48	3	-44	2	85	131	146	119	73	34
74	-14	-121	1	45	21	-30	-2	70	7	-22	42	61	110	193	165	67	-36	-131	-198
-350	-313	-162	-20	112	290	421	389	247	174	7	-135	-209	-345	-398	-169	-72	-147	-235	-340
-337	-244	-113	222	539	403	69	-74	68	205	72	-73	-62	-42	-86	-101	-57	17	-64	-271
-248	-156	-204	-313	-311	-73	314	477	432	388	383	150	-368	-519	-414	-428	-266	31	118	-25
-207	-62	310	684	836	613	106	-266	-392	-539	-737	-761	-680	-730	-549	-131	228	446	217	-155
89	564	606	57	-660	-686	-305	83	453	567	109	-352	-323	40	441	540	147	-334	-516	-502
-478	-222	111	128	253	491	597	644	523	254	84	-97	-271	-262	-147	-50	21	27	-127	-444
-377	116	370	387	504	553	522	350	69	-182	-313	-443	-370	-257	-370	-614	-798	-808	-688	-359
45	169	-157	-683	-899	-789	-559	-418	-185	100	-10	-288	-158	319	753	909	990	761	449	448
582	698	881	831	375	-206	-475	-307	-108	-273	-711	-835	-310	363	574	372	554	839	776	474
-21	-383	-393	-298	-53	162	236	210	-73	-145	155	107	-419	-820	-915	-649	-39	181	98	-92
-231	-144	151	349	353	371	509	534	187	-7	235	278	200	283	396	457	398	120	-231	-378
-370	-343	-271	-149	57	136	76	93	107	13	-46	-119	-118	40	182	221	1	-265	-205	165
430	298	-120	-195	-84	165	432	385	227	37	-72	141	432	705	936	934	676	461	363	317
302	278	86	-55	124	162	-69	-311	-482	-459	-258	5	180	230	-34	-437	-650	-628	-517	-445
-505	-793	-1076	-1039	-671	-218	-54	-104	-164	-103	63	259	298	281	440	626	671	501	241	-32
-174	-100	-108	-269	-329	-293	-161	46	339	516	454	362	271	275	217	87	89	39	-60	-71
17	59	9	-55	-80	-140	-216	-299	-400	-477	-522	-588	-582	-419	-282	-252	-265	-280	-253	-200
-221	-300	-328	-243	-177	-235	-260	-219	-184	-155	-160	-186	-176	-161	-160	-176	-182	-195	-215	-214
-203	-185	-112	8	136	182	239	332	424	518	590	552	390	170	-8	-109	-142	-107	-93	-77
8	32	50	140	130	48	2	110	206	143	-10	-37	-22	66	169	201	134	-11	-177	-281
-303	-240	-231	-255	-243	-212	-153	-81	35	136	194	253	250	158	100	169	206	185	110	13
-66	-84	-35	-10	5	101	158	123	114	181	236	206	133	63	39	37	50	95	198	277
270	320	404	420	361	254	106	-18	-42	-58	-88	-79	-5	34	101	199	213	60	-161	-281
-238	-174	-119	-17	148	246	234	156	80	8	27	92	145	203	252	275	240	118	5	-11
34	53	37	16	-27	-71	-62	-69	-135	-141	-118	-187	-355	-473	-526	-497	-408	-337	-288	-296
-277	-189	-113	-44	2	-49	-141	-225	-208	-75	81	176	207	184	129	96	104	125	136	152



11J148 71.070.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 431 616 S. NORMANDIE AVENUE, BASEMENT, LOS ANGELES, CAL. COMP S90W 34 03 45N, 118 17 56W  
INSTR PERIOD = 0.0370 SEC DAMPING = 0.478 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACLN = 112.0 CM/SEC/SEC AT 6.04 SEC VELO = 17.5 CM/SEC AT 12.08 SEC DISP = -11.1 CM AT 16.12 SEC

INITIAL VELO = 0.95847 CM/SEC INITIAL DISP = 0.53748 CM  
930 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-28	-36	-12	-17	-28	-28	41	47	-10	-42	-14	-29	-41	-33	15	19	2	3	9	-59
-34	-21	-17	-15	26	12	-3	9	22	2	-41	-40	-57	-51	-53	-58	-37	18	57	65
62	43	2	-85	-94	-101	-87	-13	11	42	131	118	13	-15	-81	-122	-50	-15	15	-2
27	58	3	-27	16	23	-87	-57	25	18	-115	-14	90	111	48	-15	-46	-90	-83	-48
50	74	-1	-31	29	-21	-40	-13	32	-36	-55	-39	5	-5	45	9	-1	26	54	-44
-72	-42	3	-19	-31	-13	76	97	38	-3	43	-17	-169	-198	-39	101	93	5	-53	-35
6	7	42	77	63	-3	-34	-18	-2	-22	-73	-56	-21	1	80	101	21	13	16	-22
-13	-19	-78	-58	50	90	42	-45	-112	-1	109	50	52	99	37	-21	-5	19	-39	-10
82	67	5	-5	29	-37	-107	18	117	-8	-81	-64	-4	-23	-35	45	40	-43	-22	18
-10	26	40	30	54	19	-26	86	78	-17	15	-16	-80	-43	-47	-62	23	77	7	11
22	93	116	57	-16	-8	-12	-39	-40	118	260	142	3	-47	-54	-36	7	-26	34	52
1	66	37	-33	59	71	-97	-57	48	43	36	90	162	107	-26	-75	-84	-94	-24	-12
-29	81	108	43	39	67	12	-21	10	4	-9	22	36	106	226	195	8	-119	-99	-76
-61	-39	37	108	121	108	15	-46	-123	-133	-187	-108	89	115	81	133	156	143	155	238
243	3	-217	-384	-474	-441	-184	-96	-20	72	15	-218	-232	-203	-310	-520	-692	-721	-504	140
747	1050	1120	650	2	-136	-45	-19	17	276	611	647	673	520	235	17	-193	-123	-121	-231
-247	-231	-272	-321	-115	-33	-110	-170	-381	-563	-456	-175	119	417	176	-266	-303	-250	-328	-602
-824	-926	-646	-283	81	479	803	959	906	684	509	62	-443	-779	-762	-528	-270	-109	184	259
257	374	786	1011	586	14	-372	-189	-35	-98	-175	-185	-318	-286	-85	186	636	650	274	-111
-380	-571	-547	-124	201	126	413	694	426	-62	-423	-740	-779	-285	-536	-286	-210	-228	-237	-133
-312	-606	-419	-399	-533	-592	-149	315	465	444	451	401	298	246	104	-110	-309	-422	-633	-757
-707	-470	66	639	888	803	718	630	598	441	88	-270	-443	-268	126	342	537	715	718	677
787	950	902	572	114	-306	-623	-720	-606	-478	-445	-634	-692	-299	-56	-58	93	315	115	-286
-541	-468	-187	34	-66	-150	-291	-369	-333	-160	26	132	37	-321	-495	-246	292	519	439	333
187	239	328	477	551	489	206	-16	130	240	218	342	460	337	-19	-241	-382	-595	-650	-628
-464	-294	-284	-550	-662	-416	-111	-46	-11	-49	-62	-124	40	376	532	595	483	152	-131	-67
26	-52	-264	-397	-385	-235	1	133	327	310	242	138	173	264	244	395	570	579	558	514
498	536	515	343	103	104	203	269	465	670	666	426	19	-237	-277	-247	-234	-263	-336	-469
-545	-654	-778	-781	-472	-242	-281	-311	-164	257	688	884	939	826	657	428	131	-125	-375	-527
-483	-263	111	261	128	7	-228	-390	-273	194	540	726	640	511	415	376	428	476	386	241
350	523	524	219	-193	-425	-460	-379	-312	-342	-418	-380	-266	-219	-55	137	183	143	108	38
-58	-175	-331	-433	-359	-89	114	46	-57	-86	-87	-152	-165	-224	-340	-472	-542	-579	-631	-636
-591	-518	-316	-28	139	286	387	336	320	435	549	452	237	120	23	-11	-33	-97	-138	-258
-449	-557	-503	-404	-416	-449	-387	-326	-202	-136	-72	-17	0	125	173	158	137	88	65	81
38	-14	-49	-63	-68	-136	-185	-148	-93	-123	-102	-4	129	269	273	142	-27	-109	-148	-185
-90	-20	-39	-5	130	210	230	183	152	140	70	-5	-152	-338	-461	-487	-435	-400	-392	-364
-274	-208	-205	-157	-80	-42	-29	-64	-123	-147	-143	-201	-317	-371	-344	-255	-164	-130	-54	47
80	34	-108	-213	-256	-321	-279	-99	144	303	252	130	23	-96	-153	-152	-128	-36	104	220
251	253	253	233	230	247	225	214	221	128	0	-22	36	62	68	74	45	4	-17	29
108	156	122	50	-7	-11	64	168	213	186	165	175	184	165	91	60	88	117	110	144

[illegible]

IIJ148 71.070.0  
STATION NO. 431

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
616 S. NORMANDIE AVENUE, BASEMENT, LOS ANGELES, CAL.

EPICENTER 34 24 00N, 118 23 42W  
COMP DOWN 34 03 45N, 118 17 56W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

INSTR PERIOD = 0.0390 SEC DAMPING = 0.584

PEAK VALS ACCLN = -51.6 CM/SEC/SEC AT 6.34 SEC VELO = -6.7 CM/SEC AT 17.72 SEC DISP = -3.4 CM AT 11.60 SEC

INITIAL VELO = 0.36447 CM/SEC INITIAL DISP = -0.28184 CM

931 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-72	39	48	85	220	110	-93	-185	-142	-19	61	77	137	12	20	41	-16	-198	-225	-231
-102	96	374	241	-18	-20	80	159	20	-218	-323	-98	45	158	92	-58	42	103	105	-3
-107	-171	-198	-131	5	131	-42	-47	55	126	120	65	-113	-167	-91	-30	-39	-30	124	197
-68	-32	224	252	-261	-258	99	180	-117	-230	-25	153	29	-277	-193	-95	47	71	53	77
5	-26	153	19	82	37	95	-51	-80	-76	-32	88	145	-115	-300	-237	163	273	-2	-210
-9	-25	-57	-137	9	85	-45	-31	133	204	-15	-218	-1	-10	-96	-179	-150	-45	50	-12
-22	52	-27	-163	-138	21	8	-49	107	176	30	-109	-52	203	278	66	-100	-43	96	92
101	-37	-177	-80	90	183	90	71	-22	-96	125	255	117	-41	32	182	51	-103	62	125
-86	-94	176	118	-126	-20	72	93	-86	-190	-98	-213	-113	75	-128	-232	-172	-26	-80	-72
-70	140	118	-85	42	291	115	51	-1	-153	-119	115	130	-47	-104	42	108	12	-398	-62
233	137	-73	-111	55	176	130	123	95	42	114	39	-24	43	47	-62	-33	1	14	162
-152	-250	-39	-61	-129	-111	50	148	46	68	122	52	23	103	24	48	140	73	-68	-67
-37	-140	-107	54	-46	-116	-176	-219	-24	12	13	78	89	53	84	43	156	225	164	-6
-197	-84	-125	16	-149	-277	-220	-219	-247	-20	-46	-135	-67	119	293	131	-5	152	231	129
226	-69	-192	-162	56	-60	-225	-106	85	74	122	28	-67	-104	-102	100	41	-157	-157	35
84	-49	22	-97	-162	-374	-153	65	12	37	93	190	241	212	-21	-179	-442	-516	-297	-31
148	283	392	308	90	39	109	236	101	-37	-119	46	149	260	175	-161	-123	160	228	9
-225	-337	-161	50	287	338	72	-291	-256	15	220	130	4	47	170	191	70	192	379	117
-146	-130	-93	-193	-336	-228	-178	-133	-13	216	349	-4	-110	32	100	1	-57	31	149	16
-17	53	220	257	-63	-305	-163	92	178	10	-95	46	231	274	-81	-382	-110	204	341	39
-30	67	67	20	-84	-67	57	187	74	-190	-133	184	93	10	-91	-11	99	76	-2	-14
192	88	-184	-251	79	273	156	-99	-190	-30	136	48	-236	-340	-95	241	377	207	-57	-144
-66	-224	-437	-379	-116	96	60	-66	51	322	373	25	-268	-170	-104	-185	-276	-266	-164	-70
-151	-118	-140	29	0	5	24	55	-28	-184	-248	-227	-86	11	-11	-94	4	194	266	261
24	-19	125	104	45	-50	-143	7	160	60	-39	-93	-86	2	16	-35	20	-84	-238	-195
-92	-156	-166	-223	-184	-10	115	124	-134	-285	-130	29	-22	-239	-348	-122	35	-69	-248	-213
24	149	78	14	86	145	267	303	57	-96	-41	49	18	-3	-25	102	215	206	201	68
-21	-23	-32	-24	65	198	158	-68	-144	-83	-88	-110	-123	16	107	90	39	46	106	197
141	-28	-89	-40	-52	-145	-146	-143	-118	-206	-107	-48	-30	4	50	211	335	346	342	335
471	471	480	484	403	298	91	-68	-50	67	-6	-97	-23	150	212	65	-3	53	39	-51
13	182	214	138	31	-109	-121	-174	-189	-147	-120	-91	-31	-5	66	132	92	4	-61	-120
-77	-95	-72	36	77	67	14	-7	-41	-99	-50	-39	-78	-30	14	-10	-27	-18	3	26
42	-69	-163	-128	-88	-94	-187	-293	-341	-281	-180	-149	-117	-62	-3	73	89	35	-31	-41
-41	-114	-137	-141	-97	-75	-121	-92	-59	-27	-27	-28	-40	-73	-128	-138	-87	-55	-43	-45
-77	-88	-126	-169	-185	-215	-226	-245	-139	22	58	90	100	89	135	177	136	102	67	31
19	5	28	86	128	186	208	129	1	1	28	58	94	130	225	338	350	283	224	167
99	104	49	-20	-14	-70	-111	-142	-163	-133	-162	-209	-195	-132	-53	1	41	40	89	102
90	56	66	87	72	71	122	220	315	355	362	317	297	263	180	115	111	127	120	76
57	92	95	34	-23	-111	-142	-128	-132	-121	-107	-102	-96	-103	-73	-82	-79	-68	-105	-156
-179	-147	-147	-113	-95	-96	-57	-72	-109	-124	-120	-81	-64	-51	-99	-101	-92	-88	-74	-55



11J149 71.074.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
 STATION NO. 432 616 S. NORMANDIE AVENUE, 8TH FLOOR, LOS ANGELES, CAL. COMP NOOE 34 03 45N, 118 17 56W  
 INSTR PERIOD = 0.0320 SEC DAMPING = 0.511 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS	ACLN = 207.8	CM/SEC/SEC AT 12.14 SEC	VELO = -40.1	CM/SEC AT 13.10 SEC	DISP = 13.1	CM AT 12.78 SEC
INITIAL VELO = 0.11972 CM/SEC INITIAL DISP = 0.32502 CM						
2849 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.						
-15	-15	-15	-15	-12	-1	11
20	50	75	-13	-16	34	34
57	30	-32	-44	-21	-16	-19
-143	-93	-57	-47	-2	-21	-63
61	41	31	29	5	-54	-73
-25	-23	-45	-111	-84	62	10
43	78	91	59	98	165	160
82	-4	-134	-163	-143	-21	-13
110	95	66	86	89	104	94
-49	-30	-7	-26	-69	-86	21
25	29	23	93	151	-89	-100
69	-45	-95	-55	-2	147	183
-55	1	45	74	19	23	-75
0	-30	-32	-46	-40	-69	54
-99	77	53	27	115	158	155
148	248	319	435	460	47	119
-117	18	65	-206	-559	-527	-443
-381	-409	-175	204	499	134	330
894	1006	752	94	-463	-514	-961
-767	-1730	-2057	-1430	-503	-761	130
-190	458	1228	1766	1775	1499	1378
1052	835	552	167	-343	-1056	-1206
-863	-1275	-1414	-1442	-1354	-279	73
640	701	625	632	994	462	452
-1210	-1297	-1057	-572	-347	1246	1329
-40	347	373	251	328	-369	-956
833	939	926	779	635	397	466
-752	-806	-698	-436	-271	-616	-485
789	855	1079	1302	1240	341	678
-2023	-1745	-1329	-1110	-883	1268	1155
-124	119	339	580	856	-768	-973
1101	1060	919	794	661	1623	1594
-1411	-1328	-1321	-1484	-1677	-954	-1276
717	754	880	1011	1098	-1295	-1101
1049	986	889	698	435	1659	1570
-1306	-1243	-1308	-1259	-1166	-761	-880
704	942	1145	1366	1544	-519	-438
817	831	748	589	355	1351	1112
-926	-835	-689	-582	-557	-912	-1008
1025	1019	1021	1020	1009	-514	-363
					425	342
					360	400
					400	423
					852	
					-1763	-1761
					-57	132
					1281	1311
					-1224	-1322
					12	94
					947	966
					-878	-872
					532	651
					407	325
					158	
					-22	-141
					832	1055
					-1545	-1512
					398	591
					1226	1125
					-1584	-1557
					204	311
					934	846
					-1160	-1613
					-802	-492
					610	832
					-1639	-1545
					257	398
					1287	1226
					-1468	-1584
					204	311
					963	879
					-979	-1068
					781	916
					1010	

-200	-231	-323	-507	-785	-1125	-1317	-1373	-1298	-1220	-1191	-1175	-1120	-975	-758	-612	-520	-469	-490	-468
-405	-268	-141	-89	-56	8	35	-2	-19	110	334	532	713	923	1102	1130	1018	870	701	499
344	281	272	306	328	331	239	98	-52	-125	-150	-188	-286	-382	-452	-510	-575	-605	-593	-601
-686	-828	-914	-799	-621	-514	-470	-402	-306	-213	-182	-168	-144	-133	-127	-101	-64	10	147	322
516	704	904	1034	1078	1101	1135	1158	1159	1146	1102	974	812	763	821	837	779	733	715	703
698	702	728	690	533	332	225	180	90	-51	-182	-310	-450	-610	-723	-773	-751	-714	-708	-721
-700	-679	-682	-687	-665	-679	-788	-895	-891	-855	-814	-771	-733	-723	-729	-724	-674	-602	-549	-512
-458	-358	-241	-138	-50	43	136	153	112	72	75	96	115	131	167	226	292	375	467	554
610	630	642	653	655	648	612	532	441	356	309	286	254	193	149	136	132	120	82	-19
-145	-249	-261	-242	-254	-351	-492	-630	-783	-890	-908	-823	-700	-635	-626	-556	-450	-360	-261	-204
-213	-272	-296	-281	-188	-54	57	125	158	187	229	304	383	478	587	703	807	895	927	877
818	786	785	718	593	526	532	569	590	590	580	523	384	281	248	263	260	181	100	51
-10	-86	-170	-239	-302	-403	-534	-573	-530	-492	-468	-450	-409	-363	-370	-409	-424	-408	-397	-415
-452	-469	-472	-452	-400	-348	-301	-236	-100	56	155	174	152	130	116	115	121	97	63	32
41	107	219	270	249	209	181	174	182	196	156	55	-67	-147	-178	-179	-212	-282	-351	-393
-385	-333	-273	-228	-211	-236	-283	-321	-336	-339	-327	-308	-304	-297	-263	-162	-34	41	92	135
181	249	334	417	454	443	400	380	403	479	547	555	539	522	545	598	632	614	503	403
364	356	332	288	216	131	41	-43	-94	-105	-97	-127	-198	-261	-282	-297	-338	-408	-479	-557
-642	-702	-705	-643	-568	-532	-501	-453	-400	-320	-250	-195	-164	-172	-206	-202	-150	-113	-94	-48
14	88	148	217	295	361	385	396	422	426	397	369	358	347	295	214	165	149	129	97
97	124	132	134	148	171	153	89	1	-79	-125	-173	-204	-222	-226	-200	-173	-159	-103	-34
3	11	14	33	57	74	61	48	55	99	150	185	212	198	174	159	163	177	203	239
289	333	349	346	344	308	234	155	69	-14	-65	-62	-30	-18	-31	-42	-37	-42	-69	-87
-110	-161	-232	-287	-304	-320	-332	-347	-344	-340	-352	-354	-305	-213	-182	-179	-171	-134	-82	-53
-56	-89	-129	-138	-88	-8	52	75	94	107	128	145	171	196	214	217	212	194	161	152
140	110	78	64	53	38	4	-30	-60	-100	-130	-163	-185	-190	-175	-161	-168	-192	-244	-289
-310	-301	-284	-253	-203	-160	-141	-138	-137	-134	-104	-87	-88	-68	-14	50	88	104	126	143
163	188	232	263	276	281	299	323	323	289	237	194	182	168	154	142	145	144	142	139
112	60	13	-10	-25	-36	-61	-87	-117	-143	-176	-198	-236	-245	-245	-241	-211	-148	-111	-90
-65	-46	-53	-71	-85	-88	-74	-55	-43	-29	-16	-5	14	45	70	84	99	127	159	194
190	133	84	65	50	22	-12	-29	-23	-10	23	59	82	73	52	42	23	-14	-73	-156
-203	-228	-239	-217	-186	-157	-136	-96	-52	-16	-6	-19	-37	-45	-52	-54	-69	-86	-88	-64
-3	43	69	95	125	175	230	279	271	228	177	152	125	83	50	37	46	64	89	123
148	151	142	113	59	3	-39	-71	-100	-141	-166	-173	-159	-141	-139	-138	-131	-107	-69	-33
-25	-52	-89	-114	-136	-150	-139	-132	-124	-83	-24	47	119	164	182	193	208	232	229	200
158	106	77	73	75	82	90	123	178	240	287	283	240	189	147	98	39	-14	-56	-68
-64	-60	-61	-77	-94	-101	-89	-73	-66	-59	-62	-84	-112	-140	-182	-217	-233	-230	-210	-180
-144	-107	-90	-73	-52	-35	-17	-2	15	35	30	11	-13	-36	-47	-46	-18	21	70	110
150	177	176	169	150	126	111	79	46	22	5	-2	4	5	2	0	20	42	40	19
3	-13	-43	-90	-116	-131	-139	-131	-119	-107	-89	-83	-87	-87	-61	-29	-4	-4	-13	-23
-37	-54	-82	-93	-75	-29	27	73	108	124	142	179	183	144	94	65	51	38	31	31
32	54	89	125	158	165	151	129	101	71	36	0	-41	-78	-104	-103	-90	-77	-73	-77
-75	-62	-51	-56	-71	-93	-124	-147	-150	-135	-126	-127	-119	-115	-104	-84	-68	-59	-56	-64
-59	-37	-7	0	-12	-34	-48	-44	-24	-6	-3	-6	-13	-6	2	-3	-11	-23	-30	-26
-14	-3	11	15	-3	-9	-6	0	14	21	24	29	39	46	58	74	85	85	83	82
79	78	86	102	118	113	109	97	98	107	105	87	64	35	16	6	-8	-29	-62	-90
-96	-78	-53	-43	-43	-50	-61	-63	-66	-74	-95	-127	-144	-137	-115	-81	-62	-50	-35	7
55	83	73	51	28	25	36	49	53	50	42	30	45	81	95	95	99	129	159	155
106	41	-23	-88	-120	-98	-33	2	32	90	141	118	65	14	-47	-121	-191	-222	-222	-202
-141	-31	45	69	93	133	182	217	191	85	15	-2	4	-1	-47	-56	-19	21	57	94

143	187	216	282	306	248	200	200	169	87	-1	-72	-148	-229	-232	-192	-145	-99	-32	28
25	-6	4	27	5	-53	-154	-273	-355	-373	-351	-307	-269	-220	-114	-10	69	100	93	73
43	6	-47	-110	-156	-167	-135	-84	-26	36	101	171	218	246	245	200	132	57	-8	-57
-90	-105	-106	-88	-64	-24	18	55	76	81	73	30	-25	-77	-97	-111	-156	-194	-202	-218
-208	-157	-75	-37	-11	-37	75	60	35	35	1	-42	-62	-59	-50	-35	-2	55	117	173
211	219	200	174	164	164	164	163	144	87	45	40	40	38	37	44	59	81	99	136
156	133	85	16	-39	-84	-119	-144	-161	-161	-142	-98	-50	-14	20	47	57	49	27	-11
-46	-85	-103	-90	-70	-53	-30	5	38	65	94	115	126	131	132	127	112	92	58	21
-3	-31	-42	-43	-37	-21	7	49	85	91	66	36	-3	-50	-94	-136	-154	-164	-166	-161
-145	-104	-62	-43	-45	-44	-29	-10	-7	-21	-58	-106	-147	-159	-140	-113	-94	-66	-25	25
52	70	79	73	53	32	13	-12	-34	-44	-43	-19	9	38	72	105	127	136	114	82
47	17	-5	-22	-38	-37	-24	-10	-6	-7	-10	-12	-17	-23	-35	-45	-51	-58	-67	-79
-98	-122	-140	-131	-96	-53	-28	-19	-15	-11	-4	8	16	17	12	8	27	47	59	62
55	59	82	135	188	215	212	192	158	118	96	84	65	48	45	58	62	57	55	52
46	33	23	16	8	-4	-29	-73	-110	-136	-146	-144	-132	-117	-104	-84	-64	-51	-45	-47
-55	-65	-72	-71	-62	-54	-48	-39	-20	0	21	46	60	62	69	73	74	74	77	83
82	69	59	48	35	21	11	5	-1	2	11	13	7	16	-38	-52	-59	-66	-69	-68
-67	-59	-43	-38	-52	-62	-57	-48	-49	-52	-48	-35	-26	-15	-2	20	35	49	68	78
72	70	58	45	44	50	41	26	17	22	4	-4	-9	-15	-15	-6	-4	3	6	9
15	14	-1	-14	-20	-8	-4	-9	-22	-22	3	11	8	9	2	-5	2	5	-4	-8
-2	7	12	6	-2	-7	-8	-7	-4	-2	3	17	23	18	9	1	2	6	0	-1
6	15	23	26	17	1	-15	-16	-11	-8	0	2	5	15	27	27	11	-2	-11	-16
-14	-14	-20	-21	-11	-1	6	14	19	19	14	-4	-12	-16	-15	-18	-23	-19	-16	-14
-7	4	10	19	29	34	25	15	-2	-12	-16	-12	-6	-2	3	13	17	20	22	20
19	23	27	18	8	-4	-24	-31	-29	-20	-12	-3	12	24	20	13	0	-7	-9	-11
-17	-23	-28	-29	-29	-28	-27	-13	5	19	23	17	14	10	1	-8	-14	-22	-19	-15
-5	4	6	17	23	26	26	23	19	10	5	2	-4	-12	-13	-5	-2	1	5	1
-4	-6	-8	-14	-21	-32	-40	-39	-34	-25	-15	-15	-21	-15	-7	-3	-10	-13	-14	-11
-3	-3	-2	-2	-1	2	4	12	21	20	21	19	16	14	11	8	7	6	4	4
4	6	8	10	8	4	-4	-16	-19	-23	-25	-24	-22	-22	-22	-21	-24	-29	-28	-24
-18	-10	-2	-1	-9	-14	-13	-10	-8	4	16	19	16	16	16	11	11	19	17	4
-5	-22	-31	-15	4	1	20	93	130	83	-18	-55	-20	-47	-134	-121	12	85	42	3
55	106	87	5	-18	24	49	30	-30	-93	-120	-91	-1	82	55	43	71	78	76	65
20	-76	-122	-102	-43	-15	-34	-53	-38	7	55	82	85	61	23	-16	-32	-31	-38	-64
-73	-35	14	41	39	42	51	59	70	59	23	-6	-27	-29	-29	-41	-39	-15	7	26
51	80	58	29	14	-1	-24	-43	-32	-12	7	-10	-24	-6	14	19	3	-2	-3	5
20	37	26	0	-16	-19	-21	-24	-28	-43	-38	0	35	52	57	48	29	25	29	7
-29	-43	-37	-32	-26	-13	2	21	40	50	36	9	-15	-27	-31	-45	-66	-66	-46	-28
-4	23	31	8	-6	1	10	3	-21	-33	-28	-29	-28	-21	-14	-20	-13	10	34	54
65	55	31	11	6	-8	-43	-63	-54	-28	-3	8	28	65	76	59	34	5	-24	-48
-57	-55	-53	-40	-17	-7	-4	-1	7	3	-3	8	7	-10	-18	-23	-24	-26	-28	-27
-25	-8	26	36	24	23	23	23	17	4	-8	-12	-6	3	8	9	6	9	19	35
47	51	32	6	-21	-35	-41	-45	-40	-23	-2	17	25	19	10	4	-2	-12	-26	-36
-38	-34	-25	-11	-2	4	18	29	33	35	26	5	-2	-4	-12	-21	-16	-8	3	12
22	32	33	33	36	35	31	24	11	-9	-23	-23	-20	-9	3	12	19	24	22	6
-14	-25	-25	-16	-9	-2	3	5	6	-31	7	-4	-11	-13	-12	-9	-6	-3	-6	-4
8	30	38	35	33	23	16	9	-11	-31	-45	-41	-33	-20	-2	19	23	32	33	26
12	8	3	-11	-11	-9	-7	-7	-4	-2	-17	-1	5	11	13	8	3	-1	-5	-8
-8	-17	-21	-19	-14	-9	-10	-12	-15	-17	-17	-15	-10	-5	-1	4	7	5	-2	-15
-20	-14	-5	1	6	14	23	23	15	3	1	-2	-8	-3	-2	-5	-5	0	0	4
2	4	5	4	3	-1	-11	-15	-16	-12	-6	-8	-16	-20	-22	-16	-5	0	-3	-7
-1	11	14	1	-7	-13	-12	-7	-1	2	1	-3	2	13	19	18	14	-1	-17	-22
-25	-33	-37	-29	-9	7	7	-5	-18	-2	-6	-8	-16	-20	-22	-16	-5	0	-3	-7

IIJ149 71.074.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 432 616 S. NORMANDIE AVENUE, 8TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0390 SEC DAMPING = 0.503 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP S90W 34 03 45N, 118 17 56W

PEAK VALS ACLN = -151.7 CM/SEC/SEC AT 8.78 SEC VELO = -28.7 CM/SEC AT 15.68 SEC DISP = -15.8 CM AT 16.22 SEC

INITIAL VELO = 0.74044 CM/SEC INITIAL DISP = 0.16782 CM  
 2848 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

32	-3	-33	-51	-45	-17	18	20	4	17	29	2	5	24	37	16	-24	-35	-14	-5
-39	-21	42	19	-19	4	14	-6	-11	30	44	-25	-54	-11	26	15	4	-51	-91	-42
56	42	10	7	4	19	35	10	-10	-28	-94	-109	-29	16	27	7	12	57	106	28
-49	-64	-67	-73	-60	22	61	25	32	55	5	-66	-91	-86	-36	0	45	5	-60	19
119	49	-103	-38	27	-83	-146	-63	78	140	58	-30	-34	-51	-133	-98	59	139	34	-102
-46	-13	-14	24	-16	-125	-142	-121	27	191	159	-3	-136	-118	6	29	-13	37	19	-114
-152	-45	117	154	74	-13	-29	-54	-109	-46	49	10	-20	-30	-72	-82	11	63	83	111
23	-55	-7	36	-23	33	67	-102	-190	-117	-9	83	154	101	19	6	-51	-14	132	53
-68	-42	-34	-93	-55	34	33	26	-24	-59	28	148	149	73	-52	-85	32	37	-68	0
58	-78	-87	24	57	42	-51	-64	-21	-34	2	66	61	30	18	-40	-83	-23	-2	-11
-56	-91	14	66	36	108	77	-97	-101	-2	12	-12	-16	-25	-10	-40	-76	112	264	131
-17	6	15	-30	-16	60	92	82	59	-9	-26	75	92	22	7	-27	-18	94	101	83
136	99	59	57	26	-30	-46	-23	68	103	59	52	-24	-79	-9	-1	-43	-8	-4	-36
22	98	78	68	41	-71	-100	-39	31	89	126	121	85	-24	-116	-79	-11	-31	-73	-46
-23	91	204	172	171	42	-95	-127	-64	24	80	120	105	66	104	222	273	219	156	-34
-201	-227	-277	-341	-257	-97	-67	-134	-131	-121	-74	-17	-25	-131	-332	-643	-648	-154	354	529
718	713	99	-412	-355	-147	-150	-92	70	218	351	317	277	182	229	402	389	272	118	17
-128	-94	222	460	380	254	190	18	-180	-204	103	612	497	114	-187	-206	-146	-403	-888	-985
-608	-462	-611	-528	-67	198	309	349	381	238	-180	-627	-893	-842	-674	-643	-629	-588	-515	-369
-126	239	578	714	474	254	303	243	242	109	-118	-60	144	104	63	247	427	400	205	-96
-122	305	632	630	811	1090	1018	511	70	-113	-222	-315	-372	-442	-460	-438	-456	-477	-407	-233
-157	-148	-485	-814	-561	-227	-159	-138	-42	167	16	-206	-371	-458	-566	-717	-884	-1148	-1392	-1517
-1178	-729	-358	-44	172	350	470	760	900	703	284	62	144	253	281	353	415	354	373	575
844	872	871	947	599	223	163	240	264	270	393	719	831	733	742	740	706	637	527	329
140	12	59	147	46	-180	-359	-531	-564	-555	-517	-366	-450	-837	-966	-767	-501	-429	-443	-433
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IIJ149 71.074.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 432 616 S. NORMANDIE AVENUE, 8TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0300 SEC DAMPING = 0.445 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP DOWN 34 03 45N, 118 17 56W

PEAK VALS ACCLN = -99.0 CM/SEC/SEC AT 9.08 SEC VELO = 7.2 CM/SEC AT 12.36 SEC DISP = -3.8 CM AT 11.86 SEC

2850 INSTRUMENT AND BASELINE CORRECTED DATA										INITIAL VELO = -0.49349 CM/SEC										INITIAL DISP = -0.22253 CM										AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.									
-7	-42	-68	-161	-26	207	325	302	242	-31	-196	-234	-165	-8	70	265	215	116	83	-146																				
-188	-238	-319	34	371	414	155	-143	-173	-196	-330	-137	-39	-185	37	450	578	217	-122	-303																				
-233	127	204	-224	-439	-148	212	420	173	0	21	-32	-20	-97	-264	-300	-155	98	316	213																				
-4	-93	-143	-5	341	95	-301	-306	-233	-135	127	404	520	105	-252	-50	25	-209	-100	150																				
86	109	95	-301	-574	-55	493	264	-362	-516	-3	179	183	201	132	132	-48	-344	34	221																				
88	34	64	-215	-142	267	129	-144	-248	21	217	49	-47	-137	-455	98	289	-82	-156	-36																				
291	207	-28	-17	-155	-155	-351	-144	239	-60	-213	212	104	-46	-148	-143	-138	-65	29	-84																				
35	348	169	-124	-70	-43	-4	250	360	268	-214	-410	-87	277	287	-100	-136	-56	-36	182																				
289	181	-165	-59	183	85	194	108	10	-97	-202	69	52	-82	152	195	-145	-277	245	59																				
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41	374	-228	-428	208	135	51	4	54	-184	-15	-179	-258	87	98	409	200	-402	-267	168																				
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100	311	-3	-10	173	-96	-216	-16	113	200	-122	-57	-42	-9	-11	89	240	-245	-540	-396																				
-285	-56	262	655	688	191	-10	-204	-473	-488	-671	-340	142	478	385	354	473	90	-81	38																				
160	104	-33	-16	-183	-45	122	568	467	-17	-423	-398	-361	61	283	102	-112	-169	193	619																				
125	-697	-370	224	294	179	187	-85	-153	89	568	528	314	-256	-346	-262	-393	-396	-34	241																				
-74	-9	105	184	93	-127	36	117	-394	-392	321	258	-64	104	392	155	-374	67	237	-111																				
-455	-406	88	395	250	-9	122	102	-392	-553	-82	443	560	480	97	-515	-561	-218	579	440																				
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IIJ150 71.073.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 433 616 S. NORMANDIE AVENUE, ROOF, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0370 SEC DAMPING = 0.504 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP NOOE 34 03 45N, 118 17 56W

PEAK VALS ACCLN = -314.0 CM/SEC/SEC AT 12.98 SEC VELO = -50.9 CM/SEC AT 13.32 SEC DISP = 16.3 CM AT 12.98 SEC

INITIAL VELO = 0.89014 CM/SEC INITIAL DISP = 0.38857 CM

2173 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

3	-3	-16	-34	-48	-56	-43	-13	10	19	21	8	-11	-17	-13	-10	-17	-34	-52	-67
-74	-47	2	47	67	55	45	23	-12	-28	-49	-76	-69	-26	18	50	53	36	1	-27
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IIJ150 71.073.0  
STATION NO. 433  
INSTR PERIOD = 0.0380 SEC DAMPING = 0.483  
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
616 S. NORMANDIE AVENUE, ROOF, LOS ANGELES, CAL.  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.  
EPICENTER 34 24 00N, 118 23 42W  
COMP S90W 34 03 45N, 118 17 56W

PEAK VALS ACIN = 217.8 CM/SEC/SEC AT 12.78 SEC VELO = -37.6 CM/SEC AT 15.76 SEC DISP = -18.4 CM AT 16.36 SEC

INITIAL VELO = 2.21447 CM/SEC INITIAL DISP = 0.00354 CM  
2176 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

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-16	55	55	75	130	33	-97	-177	-159	-103	-15	108	136	48	-7	64	22	-132	-139	-2
7	-52	-51	50	137	121	29	-25	-127	-189	-139	40	188	134	33	-20	-83	-96	-63	15
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-3	-10	-18	-8	20	40	47	45	20	-8	-13	23	47	41	23	8	1	-9	-34	-62
-81	-91	-81	-48	-3	46	63	57	46	15	-18	-36	-43	-41	-40	-37	-27	-7	2	-6
-13	-20	-27	-34	-41	-53	-66	-82	-98	-111	-113	-113	-101	-82	-60	-35	-27	-38	-49	-54
-37	-16	-9	-11	-11	-12	-10	-6	0	14	35	64	83	79	57	68	72	61	58	87
97	89	76	62	57	51	42	30	6	-23	-51	-50	-31	-10	-4	1	21	28	29	29
15	2	-7	-18	-33	-46	-45	-45	-72	-110	-118	-105	-77	-62	-72	-84	-73	-35	-4	19
33	43	45	51	60	78	94	108	90	53	37	40	51	40	12	20	-15	-13	-2	12
34	58	76	79	79	82	83	72	64	64	77	101	97	75	44	23	3	-16	-21	-21
-34	-54	-67	-71	-41	-18	1	17	25	14	-9	-21	-25	-40	-48	-49	-44	-34	-20	-5
-14	-30	-49	-66	-83	-96	-104	-112	-130	-156	-171	-145	-102	-67	-44	-28	-10	-7	-15	-8
72	23	29	32	47	68	64	34	15	28	43	49	57	69	79	81	61	40	36	55
8	101	138	158	180	201	212	205	189	160	125	103	94	94	79	66	65	55	22	-3
-17	-28	-74	-123	-142	-93	-39	-9	12	17	-3	-10	24	56	42	6	-22	-46	-83	-132

-167	-196	-219	-234	-187	-108	-65	-71	-88	-75	-30	44	104	161	187	195	125	47	4	-30
-54	-69	-91	-113	-116	-83	-48	-29	-10	38	84	84	58	41	17	-4	-28	-48	-32	-6
9	15	0	-23	-47	-57	-57	-58	-61	-64	-68	-63	-55	-16	27	80	138	143	82	29
15	22	23	17	-2	-37	-69	-81	-71	-42	-31	-40	-54	-68	-76	-73	-54	-21	0	27
37	38	33	27	37	65	79	33	-13	-37	-50	-64	-68	-67	-72	-76	-30	18	44	49
49	48	46	31	14	15	23	18	-2	-5	11	17	1	-17	-14	-11	-14	-30	-48	-58
-55	-45	-42	-53	-46	-36	-41	-56	-59	-50	-26	-13	-14	-28	-45	-48	-54	-73	-80	-60
-50	-56	-62	-61	-58	-58	-36	-8	25	55	73	87	94	77	54	45	46	40	18	19
34	45	32	20	24	51	59	49	46	44	38	42	53	46	31	12	-2	-5	-6	-9
-30	-57	-67	-51	-15	4	-14	-46	-75	-93	-102	-86	-57	-59	-65	-49	-17	15	39	56
58	42	31	31	25	12	4	22	31	32	40	53	57	63	65	70	80	100	122	145
153	141	120	96	79	81	89	79	57	39	34	30	24	20	23	37	49	50	44	32
17	8	11	12	0	-18	-27	-28	-35	-53	-75	-96	-114	-129	-133	-124	-128	-143	-164	-178
-175	-156	-130	-116	-115	-114	-110	-100	-88	-73	-61	-43	-19	-1	4	6	-1	-1	-11	-35
-48	-49	-36	-24	-4	23	31	29	30	43	65	85	101	114	125	133	140	165	189	218
244	253	243	209	164	126	96	78	69	69	79	83	81	75	65	56	46	42	46	51
48	45	47	48	44	33	19	13	10	2	-10	-29	-58	-87	-112	-139	-154	-157	-169	-180
-191	-198	-196	-186	-164	-150	-158	-165	-153	-140	-129	-121	-105	-90	-84	-83	-83	-83	-70	-62
-63	-65	-64	-61	-51	-30	-1	28	61	86	114	149	185	204	201	200				

11J150 71-073.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 433 616 S. NORMANDIE AVENUE, ROOF, LOS ANGELES, CAL. COMP DOWN 34 03 45N, 118 17 56W  
INSTR PERIOD = 0.0400 SEC DAMPING = 0.510 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACCLN = 177.2 CM/SEC/SEC AT 8.42 SEC VELO = 8.3 CM/SEC AT 12.56 SEC DISP = -4.2 CM AT 12.00 SEC

INITIAL VELO = -0.60507 CM/SEC INITIAL DISP = 0.18152 CM

2179 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

308	322	114	-207	-323	-254	60	199	23	-87	-95	34	22	-149	-107	318	588	279	-185	-397
-183	-99	-143	110	434	448	-19	-209	14	-142	-391	-374	78	619	567	203	-316	-617	-308	23
-67	-76	-132	-84	349	745	603	-263	-807	-422	261	452	-85	-606	-367	236	447	341	53	23
-6	-310	-300	-102	31	-41	-167	64	484	239	-215	-320	-139	301	465	-34	-491	-581	-273	202
575	734	569	-535	-1034	-12	818	215	-442	-31	496	-29	-906	-519	605	727	-189	-686	-356	267
459	30	19	346	106	-121	-338	-212	469	643	177	-487	-734	-293	324	688	202	-586	-811	75
872	418	-584	-509	18	152	-218	-193	494	465	-142	-219	31	231	-157	-370	-198	-181	4	86
247	364	-121	-497	-188	135	57	-196	-89	175	213	293	213	-179	-472	-238	710	974	153	-787
-769	90	601	522	-23	-435	-324	25	258	415	440	-5	-472	-239	293	498	295	-105	-91	-189
-455	133	630	189	-203	-162	25	-43	-29	100	237	-86	-546	-410	-318	77	576	-30	-423	-367
-248	-28	32	177	708	416	-578	-545	244	496	362	-144	-750	-212	457	416	127	-397	-182	299
-204	-950	-79	1115	658	-361	-995	-313	842	667	135	-61	-122	52	-47	-427	52	470	242	-120
-307	-145	348	-248	-820	-265	183	343	429	100	39	-233	-531	102	570	489	306	-325	-594	-155
243	253	216	-128	-466	-381	12	210	24	-223	-326	66	240	-69	55	255	175	113	-110	13
471	239	-360	-805	-488	126	426	-66	-809	-638	-262	-95	279	344	57	-41	-43	219	377	-32
-8	323	215	142	-400	-752	-233	333	341	53	-75	160	192	25	-62	-136	-87	-35	45	26
-160	-97	78	191	-49	-156	-163	-200	-500	-624	133	835	874	290	-46	-230	-233	-365	-391	-63
-428	-321	256	523	582	674	645	-121	-722	-461	478	900	338	-532	-795	-103	880	989	65	-986
-795	72	530	313	-55	-374	-155	36	407	371	-203	-478	-159	258	381	-103	-177	484	779	187
-377	108	648	20	-803	-867	-238	15	157	152	-90	-228	10	653	531	-81	-526	-148	176	-134
10	433	447	-284	-468	-24	604	632	-619	-1018	-390	560	786	234	-201	25	308	-128	-1110	-1005
573	1772	1209	-323	-1191	-882	-61	360	78	105	575	479	-441	-1195	-621	390	905	693	-76	-481
-355	-202	185	446	662	7	-647	-874	110	848	565	-598	-1189	-423	391	690	-258	-660	97	998
1376	65	-1163	-1353	-641	-183	-118	30	523	939	760	-362	-744	62	701	555	-73	-608	-779	-545
-132	-86	-46	51	95	-81	-102	100	-25	-181	-207	-78	57	-120	-375	-377	186	454	228	-322
-342	357	779	760	-181	-590	-314	-148	111	105	65	320	379	-19	-634	-611	-206	401	466	97
-317	-489	-442	-150	140	118	-119	-277	-56	298	444	14	-805	-817	-226	396	195	-265	-516	-191
220	104	-296	-307	195	584	456	181	100	228	363	164	-149	-402	-200	191	338	173	8	135
310	334	-25	-352	-324	-4	197	46	69	243	416	43	-299	-426	-416	-135	247	555	609	349
-23	-308	-250	-40	127	91	-73	-219	-403	-564	-171	241	306	-103	-335	-62	157	160	378	673
999	640	143	4	298	646	752	493	139	-276	-418	-442	-108	133	117	-58	21	134	270	39
-70	4	217	131	-8	67	361	394	138	-338	-646	-673	-359	-31	325	221	-97	-123	-44	-19
167	117	-46	-292	-248	-115	-8	254	295	269	208	-14	-233	-267	-139	51	57	199	153	-11
-287	-170	-43	64	61	-222	-296	-315	-267	-244	-432	-580	-561	-311	67	318	258	92	-4	62
44	58	-103	-186	-44	82	-99	-361	-350	-129	-2	90	16	-125	-165	-157	-162	-215	-241	-204
-82	91	210	81	-213	-296	-405	-353	-184	-25	3	-98	-128	105	323	341	220	120	202	224
125	-53	-245	-336	-222	-74	179	407	437	298	58	-160	-366	-323	15	367	552	540	491	410
250	74	68	8	-8	38	38	62	-145	-243	-388	-344	-302	-133	-93	367	236	-76	69	101
-59	96	267	186	-33	-16	-85	-24	128	310	415	541	518	429	277	145	101	135	46	-35
					-103	-97	-41	-90	-201	-278	-264	-198	-39	24	-5	-73	-22	-9	13

-79	-171	-295	-298	-284	-183	-112	-53	-53	-88	-50	-64	-86	-121	-128	-63	14	83	8	-18
-42	-44	2	49	-284	-13	-36	33	87	154	208	159	52	1	-13	95	158	204	258	307
235	151	71	139	195	215	108	42	31	5	-69	-85	64	191	203	18	-171	-165	-22	77
88	-33	-210	-299	-137	17	58	-67	-202	-176	-90	-50	-57	-106	-87	-73	-99	-87	-90	-84
-78	-88	-131	-214	-262	-251	-196	-201	-239	-181	-123	-76	-102	-167	-121	-61	-19	-4	-14	-31
-65	-58	-60	-41	-46	-18	-3	-41	-67	-5	103	161	90	-24	-35	-20	49	176	277	284
153	25	25	104	140	128	123	171	237	252	228	262	260	191	166	264	298	282	221	224
242	166	88	102	198	209	62	-39	-87	-84	-115	-73	-59	-33	-92	-166	-231	-208	-100	-28
-18	-52	-133	-218	-245	-182	-66	16	10	-7	-26	0	-43	-71	-46	-6	78	100	0	-126
-167	-63	52	54	-60	-193	-228	-138	-7	13	-36	-130	-147	-69	-19	-30	-37	-75	-144	-163
-111	-83	-102	-155	-178	-69	87	38	-179	-240	-127	3	26	-46	-56	60	187	137	2	-128
-78	12	56	-34	-111	-72	93	185	225	212	107	27	19	44	58	83	93	128	147	99
54	113	178	198	114	72	39	31	52	122	192	239	230	180	146	111	108	155	202	224
195	85	-27	-42	6	72	107	92	21	-71	-108	-106	-38	28	44	24	-16	-37	-39	-32
-31	-37	-78	-149	-201	-189	-130	-33	-7	-44	-112	-153	-165	-201	-166	-91	17	31	-58	-113
-65	5	-2	-101	-190	-192	-194	-198	-122	-71	-125	-217	-210	-108	-43	-27	-52	-83	-78	-67
-76	-98	-89	-52	-4	28	43	-28	-104	-102	-39	37	80	73	55	73	149	213	232	164
47	-39	8	167	280	225	97	15	12	102	209	240	205	129	49	61	144	191	140	3
-80	-51	66	149	135	71	-21	-87	-116	-80	-12	68	71	13	-26	-33	-28	-26	-3	-3
-40	-31	-14	22	15	-30	-38	20	94	68	20	13	28	76	68	-4	-52	-39	-3	-47
-66	-60	-42	-33	-41	-41	-50	-84	-129	-109	-67	-67	-120	-130	-60	3	-11	-69	-106	-114
-118	-113	-55	3	22	-15	-117	-119	-86	-10	39	40	-43	-89	-65	-28	-23	-48	-21	3
10	-32	-55	-70	-48	-33	-77	-140	-184	-153	-54	26	42	-34	-86	-113	-108	-96	-80	-54
-41	-33	-7	27	41	26	-9	-2	26	41	53	73	127	190	194	144	72	14	47	126
153	137	98	96	124	128	121	104	108	119	89	55	57	79	136	159	134	71	-7	-52
-34	27	58	8	-32	-36	-4	11	20	28	45	44	1	-30	-50	-38	-25	-29	-31	-4
23	31	14	9	57	78	8	-91	-144	-90	-22	39	36	1	-14	-21	-22	-12	13	-13
40	62	54	33	40	53	34	-14	-31	-34	-16	-9	-3	-4	13	52	66	9	-85	-109
-59	48	83	36	-3	-28	-30	5	43	18	-46	-91	-88	-38	-7	-9	-25	-46	-46	-32
-24	-18	-11	-25	-21	-34	-43	-5	16	-10	-45	-70	-43	14	18	-14	-44	-57	-32	-2
6	-15	-30	-40	-53	-43	-29	-29	-54	-56	-18	24	49	56	20	-3	10	39	7	-4
30	55	65	54	37	53	48	36	20	2	11	61	61	20	-33	-42	-9	44	76	33
-28	-34	0	14	-7	-49	-74	-58	-23	-9	-16	-49	-31	14	58	33	-3	-8	-3	-35
-39	18	94	129	71	4	-26	-3	33	48	26	-34	-58	1	84	91	10	-56	-81	-37
16	18	-2	-9	-13	-15	-16	8	29	-24	-72	-63	-21	29	29	3	-17	-8	-8	-29
-50	-60	-26	29	58	45	-10	-55	-8	33	41	8	-12	-37	-29	5	36	29	25	-2
-6	-41	-48	-33	11	47	41	2	-29	0	60	40	-19	-53	-32	-5	2	-21	-39	-24
4	9	-29	-36	3	48	23	-60	-104	-62	-16	0	-41	-48	-14	38	20	-1	-21	-29
6	22	-5	-24	-42	-33	-5	38	36	-1	25	97	118	57	-10	13	76	57	-21	-39
36	85	52	20	-7	-45	-111	-120	-25	49	6	-97	-93	15	79	33	-57	-81	-34	-15
-4	-23	-49	-65	-37	-15	-17	-5	-12	17	30	8	-70	-88	-34	36	52	16	13	39
56	32	3	-6	-16	-37	-34	19	64	52	-25	-60	-38	-1	11	5	-21	-40	-42	-13
-24	-59	-67	-52	9	55	79	42	1	-12	26	29	26	26	16	14	23	30	39	43
31	20	39	55	44	14	2	29	68	73	39	16	27	49	25	-20	-19	28	50	31
5	9	5	-19	6	40	80	61	14	-24	-16	-12	-9	-20	-6	9	-10	-48	-55	-25
31	43	-13	-79	-101	-56	-5	-27	-35	-9	9	13	16	42	20	-28	-63	-39	1	32
16	-18	-36	-22	5	28	14	-10	-3	44	80	19	-54	-15	89	112	38	-24	-3	71
59	11	-30	-16	21	4	1	35	81	79	30	3	19	-6	-7	38	57	37	5	-41
-86	-73	-28	49	64	14	-59	-67	-11	50	35	-23	-52	-35	-10	4	6	-12	-29	-28
-31	-37	-28	-5	-4	-35	-45	-2	5	-18	-53	-51	-48	-64	-86	-54	-21	-44	-80	-64

-14	50	41	33	11	19	0	-19	-53	-56	-45	-67	-79	-73	-53	-32	-28	-46	-33	11
35	40	24	-9	-12	10	40	26	-9	-54	-52	-27	23	21	-22	-18	4	19	16	42
55	43	33	35	23	-16	-48	-12	7	16	44	58	37	11	-19	-13	42	96	64	-3
-46	-31	55	104	62	14	-24	-16	20	55	72	70	75	79	58	31	16	40	64	54
24	-8	-7	28	61	60	12	-53	-58	10	49	52	9	-28	-11	13	-10	-71	-92	-56
-38	-51	-78	-65	-36	18	70	46	-21	-43	-21	14	-1	-16	-36	-39	-31	-2	2	-6
-20	-12	3	3	-36	-45	-46	-38	-16	8	29	35	18	5	-13	-33	-72	-92	-69	-11
24	11	-31	-77	-74	-33	11	19	-4	-19	-52	-60	-38	-16	27	60	61	47	46	36
20	-2	-18	-22	-4	-9	0	46	77	67	38	-5	-14	-1	16	18	29	51	65	54
16	-16	-24	-12	-5	-21	-36	-48	-8	32	34	4	-31	-45	-55	-32	-5	12	47	78
51	-5	-40	-20	27	53	26	0	-12	-12	20	46	34	-8	-37	-22	25	45	31	28
20	26	32	18	29	69	91	62	-7	-61	-46	0	24	13	-6	-26	-33	-29	-25	-30
-41	-49	-42	-14	-3	0	2	-4	-16	-21	-35	-18	2	1	-17	-45	-77	-71	-34	-7
2	-18	-39	-28	-11	-8	-23	-12	-1	7	24	35	29	12	-18	-31	-36	-15	15	47
50	27	7	6	17	17	-14	-28	-25	5	14	11	1	-9	-6	13	27	35	37	56
72	38	-18	-31	4	52	48	22	-4	0	1	-2	-2	12	18	14	5	6	6	2
-15	-33	-38	-37	-28	-22	1	18	9	-20	-33	-31	-21	-16	-13	3	0	-20	-39	-50
-39	-21	-6	7	-3	-4	17	38	22	-10	-18	10	50	43	28	20	8	1	1	3
-1	-11	-5	13	36	43	17	-1	-20	-3	25	44	20	-12	-4	28	43	21	3	

IK157 71.076.0  
STATION NO. 154  
INSTR PERIOD = 0.0580 SEC DAMPING = 0.582

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
420 S. GRAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL.  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
COMP S53E 34 03 00N, 118 15 06W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACCLN = -168.3 CM/SEC/SEC AT 8.48 SEC VELO = -17.4 CM/SEC AT 8.68 SEC DISP = -10.3 CM AT 9.80 SEC

INITIAL VELO = 2.25652 CM/SEC INITIAL DISP = 0.52739 CM

4234 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

19	40	10	-30	-35	-45	-52	-5	81	117	59	28	11	-75	-52	22	-66	-68	84	89
-31	-80	-62	-55	-41	-17	-2	-43	-63	-12	-64	-153	-149	-124	-90	-86	-86	-19	7	-1
-19	-12	-4	-8	12	2	-50	-58	-10	5	-64	-109	-125	-122	-31	42	20	-57	-109	-84
-1	83	61	-1	-7	19	26	-4	2	35	32	53	97	72	49	39	8	-10	-5	-116
-209	-123	-96	-138	-47	56	10	-76	-93	-15	70	49	-3	11	32	61	96	-35	-198	-139
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IIK157 71.076.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 154 420 S. GRAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP S37M 34 03 00N, 118 15 06W  
INSTR PERIOD = 0.0570 SEC DAMPING = 0.534 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACCLN = 116.1 CM/SEC/SEC AT 5.86 SEC VELO = -16.2 CM/SEC AT 12.12 SEC DISP = 8.7 CM AT 11.20 SEC

INITIAL VELO = -0.27296 CM/SEC INITIAL DISP = 0.26568 CM  
4246 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

88	46	76	79	24	-66	-64	-24	37	75	31	0	3	20	21	25	-18	-86	-36	104
125	-24	-125	-125	18	64	-25	-109	-150	-6	132	55	-131	-204	-159	-13	49	-36	-84	23
92	63	20	9	42	84	74	0	-96	-56	62	25	-80	-145	-95	38	101	21	-126	-171
-77	90	177	91	-19	2	42	62	96	74	39	52	81	-14	-14	-15	-1	-37	-17	-65
-137	-123	-51	-29	-68	19	56	-62	-150	-98	81	219	193	40	-31	-10	96	183	33	-116
-100	-85	-112	-150	-130	-38	109	119	2	-60	-5	90	84	-6	-100	-60	73	119	82	-12
-73	20	74	-19	-167	-212	-100	34	56	58	113	157	181	220	200	121	34	-43	-44	33
86	89	75	-41	-175	-250	-243	-151	-91	-118	-212	-287	-249	-86	39	7	25	109	182	213
22	-334	-279	142	350	337	348	534	688	517	253	162	227	267	175	-39	-213	-235	-9	223
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42	-144	-175	26	393	597	445	349	399	332	195	49	55	198	129	-174	-542	-621	-394	-171
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[illegible]

IIK157 71.076.0 STATION NO. 154 INSTR PERIOD = 0.0570 SEC DAMPING = 0.531  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 420 S. GRAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP DOWN 34 03 00N, 118 15 06W

PEAK VALS ACLN = -56.5 CM/SEC/SEC AT 3.62 SEC VELO = 9.6 CM/SEC AT 9.00 SEC DISP = -5.3 CM AT 8.04 SEC

INITIAL VELO = 0.48884 CM/SEC INITIAL DISP = 0.05194 CM

4240 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

94	-96	-205	-46	27	7	-52	-73	-218	-230	45	108	-8	56	148	12	62	161	-74	-163
-74	142	193	-4	-140	-95	75	178	12	-283	-233	4	149	160	88	49	185	219	36	-42
-9	85	121	61	-62	-170	22	218	-14	-286	-260	-139	-14	155	204	56	-86	-100	47	159
75	-105	-114	-8	17	-20	28	12	-49	25	81	-15	-14	213	235	-118	-326	-261	-243	-123
42	-100	-97	286	360	-79	-240	14	257	353	19	-172	-174	-158	-75	-5	-175	-261	-72	-34
-110	109	355	295	160	32	-133	-98	125	193	93	-178	-229	11	-39	-144	-44	49	116	104
9	-54	-38	105	164	81	-67	-92	-9	-117	-165	-71	-80	-135	-208	-307	-231	-24	88	62
-33	-11	74	34	4	13	-3	-131	-138	20	29	87	31	-104	-195	-26	172	184	174	219
96	-125	-12	316	398	113	-111	-97	17	8	-40	23	25	-111	-229	-75	110	216	278	115
-439	-565	-85	268	166	11	53	99	360	396	243	76	-131	-269	-271	-65	170	208	-75	-212
-27	153	174	132	120	10	-16	19	-79	-102	-16	184	127	-155	-251	-101	30	30	-40	172
242	63	-32	217	301	105	-155	-313	-218	84	304	176	-18	4	-56	-12	-98	-76	70	175
154	153	86	-235	-383	-73	247	24	-183	-16	137	97	88	-12	-296	-288	-70	121	157	142
157	201	83	-38	95	195	41	-286	-346	-154	-37	-24	20	59	62	46	61	-9	-39	226
253	-126	-296	-138	32	54	-95	-348	-430	-267	-255	-195	-126	-237	-240	-151	-211	-326	-211	74
229	107	-159	-154	194	367	235	160	214	125	-8	-19	107	103	50	185	355	312	44	-26
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166	152	134	18	-155	-192	-105	-21	-83	-205	-305	-245	-126	-125	-74	-48	-103	-39	-1	31
167	96	-55	-138	-235	-137	1	142	213	260	246	290	361	313	233	193	326	489	553	484
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133	89	157	276	372	407	312	120	9	79	186	162	99	85	37	88	152	91	-67	-161
-109	48	226	198	137	233	318	317	206	61	4	-31	-53	-111	-128	-3	119	126	-24	-180
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IIK158 71.078.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 156 420 S. GRAND AVENUE, 17TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0460 SEC DAMPING = 0.601 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS										EPICENTER 34 24 00N, 118 23 42W COMP 53E 34 03 00N, 118 15 06W DISP = -13.5 CM AT 9.42 SEC									
ACLN = -309.4 CM/SEC AT 8.76 SEC										VELO = -43.5 CM/SEC AT 9.02 SEC									
INITIAL VELO = 3.14828 CM/SEC										INITIAL DISP = 0.49065 CM									
4296 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.																			
-31	-15	-7	-47	-86	-101	-129	-121	-73	-29	-19	-36	-62	-62	-79	-6	101	152	138	134
121	101	66	24	24	63	90	51	-1	-2	18	38	15	-62	-136	-138	-136	-177	-198	-242
-305	-315	-242	-185	-182	-235	-222	-150	-67	-6	-2	-12	27	109	156	137	96	82	117	147
89	54	124	182	133	-5	-112	-142	-80	27	48	-19	-36	-12	-18	-56	-122	-151	-121	-26
39	45	39	55	83	82	38	-66	-157	-187	-185	-160	-80	-67	-89	-121	-141	-119	-38	50
82	63	-47	-148	-89	49	136	90	-20	-97	-98	-45	-21	34	100	100	36	-63	-138	-130
-45	19	61	71	50	64	101	93	68	43	-64	-167	-238	-303	-275	-133	-19	53	110	171
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620	585	419	120	-233	-582	-796	-886	-939	-1072	-1072	-922	-816	-858	-970	-1073	-1178	-1235	-1124	-762
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111	112	113	114	114	110	104	93	81	69	54	38	22	6	-10	-28	-44	-58	-70	-82
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11K158 71.078.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 156 420 S. GRAND AVENUE, 17TH FLOOR, LOS ANGELES, CAL. COMP S37W 34 03 00N, 118 15 06W  
INSTR PERIOD = 0.0470 SEC DAMPING = 0.581 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS	ACLN = -221.7 CM/SEC/SEC AT 6.50 SEC										VELO = -31.4 CM/SEC AT 6.70 SEC										DISP = -11.0 CM AT 12.86 SEC									
INITIAL VELO = -0.47380 CM/SEC										INITIAL DISP = 0.17592 CM										AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.										
4298 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC																														
-43	62	105	-14	-93	-60	6	39	17	29	73	40	28	-89	-110	-35	74	10	-53	-21											
28	79	99	54	-53	-112	-18	232	227	-27	-104	-85	127	166	-92	-256	-83	132	161	-27											
-305	-323	-137	-64	-153	-263	-252	-25	127	81	-20	-53	95	270	199	77	39	123	344	357											
174	-106	-254	-88	140	158	-88	-308	-220	18	130	9	-128	-176	-64	138	183	77	6	154											
261	47	-77	9	124	185	53	-200	-182	30	23	-202	-441	-329	18	122	-85	-220	-168	5											
262	199	0	-33	172	350	213	92	58	57	-54	-112	-100	-118	-81	51	16	-229	-259	62											
170	79	-93	-192	-5	156	207	174	27	0	63	21	-83	-122	-85	-152	-186	-96	-59	44											
160	257	405	382	302	259	214	278	303	185	75	7	-131	-279	-348	-456	-573	-615	-638	-639											
-554	-415	-218	-180	-199	-137	-153	-140	-25	-20	-128	-186	-22	336	586	788	978	1065	1174	1250											
1219	1183	1161	987	782	518	399	486	486	172	-408	-711	-663	-523	-726	-1067	-1220	-1230	-1280	-1236											
-1155	-1271	-1324	-1348	-1226	-1058	-961	-975	-1013	-865	-521	-19	302	351	314	453	970	1418	1395	1259											
1413	1646	1716	1866	1917	1568	997	702	717	673	366	74	16	17	94	321	266	-74	-342	-431											
-541	-706	-727	-683	-783	-1149	-1538	-1565	-1398	-1203	-1004	-934	-999	-1122	-1145	-956	-673	-644	-733	-561											
-170	223	354	337	439	681	834	869	831	621	301	-17	-167	4	335	513	635	804	786	536											
526	590	515	359	418	706	889	761	770	952	871	448	12	-194	-359	-593	-741	-806	-724	-491											
31	610	870	870	759	679	627	479	386	290	47	-318	-578	-536	-254	67	216	90	-105	-474											
-962	-1370	-1710	-1926	-2086	-2217	-2206	-1985	-1704	-1616	-1574	-1325	-883	-374	-90	-24	25	219	686	1143											
1434	1424	1498	1767	2006	2113	2095	1980	1920	1950	1826	1691	1538	1206	658	99	-259	-465	-620	-662											
-687	-761	-782	-812	-975	-1166	-1147	-995	-831	-753	-807	-854	-751	-683	-717	-793	-748	-658	-556	-558											
-600	-619	-665	-640	-602	-556	-611	-635	-627	-345	197	885	1208	1336	1438	1739	1907	1933	1916	1958											
1967	1887	1614	1256	922	679	620	646	573	294	-107	-497	-876	-1336	-1706	-1692	-1349	-928	-694	-937											
-1281	-1417	-1198	-852	-614	-505	-573	-762	-910	-1000	-1098	-1141	-1060	-898	-641	-382	-213	-206	-331	-353											
-121	279	526	522	540	804	1179	1480	1599	1673	1836	2029	2054	1938	1750	1615	1518	1297	1018	687											
365	107	-116	-403	-584	-567	-452	-411	-579	-804	-899	-873	-850	-762	-587	-494	-537	-535	-477	-417											
-359	-290	-321	-314	-326	-359	-417	-497	-571	-569	-456	-289	-126	-30	53	208	444	714	1004	1304											
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-807	-942	-1119	-1279	-1302	-1289	-1306	-1286	-1164	-976	-807	-675	-516	-301	-125	-39	231	403	483	575											
729	857	842	763	667	560	458	364	244	181	165	135	111	80	-4	-107	-152	-187	-262	-373											
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-66	-12	-35	-120	-119	-12	116	212	324	421	495	503	474	496	572	611	639	655	655	643											
597	514	431	350	301	284	245	207	167	130	126	132	132	90	30	24	88	123	140	207											
272	302	302	300	300	311	325	311	296	286	269	246	268	341	386	373	355	322	272	229											
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-152	-140	-136	-162	-176	-171	-154	-108	-47	24	79	75	31	-46	-116	-193	-266	-337	-395	-441											
-472	-488	-481	-477	-461	-466	-510	-522	-508	-495	-471	-445	-411	-329	-187	-31	114	226	297	325											
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416	426	421	437	471	510	531	529	522	524	505	445	386	315	257	211	195	178	142	98
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499	487	455	399	357	349	291	197	120	58	6	-42	-68	-76	-96	-140	-181	-230	-236	-218
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IIK158 71-078.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 156 420 S. GRAND AVENUE, 17TH FLOOR, LOS ANGELES, CAL. COMP DOWN 34 03 00N, 118 15 06W  
INSTR PERIOD = 0.0470 SEC DAMPING = 0.633 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS	ACLN = -203.2	CM/SEC/SEC AT 1.92 SEC	INITIAL VELO = 0.77659	CM/SEC	INITIAL DISP = -0.29159	CM	4300 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC	AT EQUALLY-SPACED INTERVALS OF	0.02	SEC.	DISP = -5.3	CM AT 7.98 SEC							
-899	-258	367	663	302	-210	-567	-594	-189	301	440	21	-261	-349	-160	286	665	453	29	-257
-619	-587	-299	283	928	889	219	-562	-984	-635	98	547	585	206	-173	-187	74	317	495	308
-41	-250	-330	-192	106	398	480	104	-307	-403	-371	-254	-87	-14	-23	123	542	668	240	-472
-861	-589	176	692	547	-32	-584	-682	-244	338	533	349	82	-144	-236	-57	216	125	-260	-564
-760	-739	-107	668	1049	881	322	-529	-1163	-997	-102	987	1400	868	-40	-1190	-2032	-1538	-174	1111
1714	925	-227	-1197	-1173	-79	994	1312	811	-177	-1088	-1248	-572	299	847	893	208	-734	-1070	-664
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-573	-242	126	165	57	-105	-269	-306	-366	-540	-660	-609	-610	-516	-109	204	291	221	-60	-439
-494	-100	551	1036	906	414	199	37	-194	-199	88	251	177	61	71	1	-103	-15	338	520
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-16	0	-12	-1	-12	-18	-10	-7	-14	-22	-16	1	12	12	12	1	-17	-25	-24	-9
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15	31	38	33	14	6	-1	1	10	13	18	15	10	9	5	6	10	8	13	18
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IIK159 71.080.0  
STATION NO. 170  
INSTR PERIOD = 0.0480 SEC DAMPING = 0.690

SAN FERNANDO EARTHQUAKE  
750 GARLAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL.

FEB 9, 1971 - 0600 PST  
COMP S30W 34 03 00N, 118 15 58W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
COMP S30W 34 03 00N, 118 15 58W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACCLN = -151.8 CM/SEC/SEC AT 9.34 SEC VELO = 18.9 CM/SEC AT 12.04 SEC DISP = -9.7 CM AT 15.08 SEC

INITIAL VELO = 0.32584 CM/SEC INITIAL DISP = 0.03985 CM

4730 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

76	48	-52	-132	-150	-70	8	-21	-43	-19	2	31	7	-60	-62	4	94	142	135	102
40	-23	-90	-66	39	96	96	104	78	14	-61	-112	-135	-129	-80	19	104	126	27	-93
-96	-30	-9	38	81	42	-13	-15	-5	-43	-56	37	119	81	55	50	-35	-130	-160	-85
-8	42	93	103	69	2	-53	-82	-72	-52	-33	1	35	29	23	51	95	25	-71	-35
53	53	-58	-105	-97	-37	89	155	118	9	-60	-27	31	-22	-78	-19	92	141	104	9
-56	-99	-106	-72	-121	-197	-108	52	63	-33	-110	-133	-114	-97	-109	-183	-170	-9	142	187
124	10	25	49	26	23	48	56	68	141	190	118	-51	-172	-110	8	53	16	-7	83
129	22	-93	-182	-246	-258	-120	131	200	147	81	79	83	-25	-143	-112	-1	27	55	153
166	93	19	-51	-91	-127	-123	-84	-60	-32	8	12	-88	-218	-267	-241	-106	100	182	169
83	28	19	-51	-159	-68	115	170	197	188	176	87	-29	-45	-62	-90	-31	152	214	156
49	-65	-82	-125	-237	-275	-248	-193	-42	93	46	20	44	109	192	180	91	105	212	241
140	98	144	105	43	17	46	157	133	28	-92	-268	-381	-348	-314	-336	-245	-9	170	126
-13	-119	-271	-407	-458	-420	-154	140	262	391	543	511	640	783	640	317	202	164	55	58
223	334	235	-110	-399	-407	-201	-45	-84	-259	-390	-361	-117	-44	-160	-179	-158	-232	-307	-291
-309	-378	-458	-355	-76	135	259	280	203	246	349	387	421	377	270	357	512	567	481	203
-230	-501	-570	-293	-79	-62	-112	-97	-58	-71	-142	-147	-14	-52	-248	-195	188	549	617	481
98	-177	-275	-514	-756	-591	-197	244	318	45	28	132	128	66	60	107	87	-112	-345	-412
-318	-114	-21	-124	-167	-187	-380	-456	-569	-754	-718	-485	-365	-340	-154	145	414	586	645	625
537	389	132	-33	156	563	785	714	536	534	604	598	515	334	105	-201	-446	-313	136	446
641	935	1011	719	321	49	-144	-339	-568	-856	-1200	-1437	-1118	-424	65	215	314	254	-96	-624
-794	-531	-423	-573	-796	-746	-259	347	718	789	775	675	376	-25	-312	-504	-527	-501	-319	125
553	634	676	628	371	130	65	-254	-553	-698	-737	-734	-436	18	375	577	724	691	345	-89
-391	-422	-364	-412	-178	144	286	197	61	-24	-112	-278	-509	-696	-381	289	782	947	970	939
935	867	581	150	-392	-852	-1247	-1518	-1409	-835	-305	-118	-253	-333	-233	-34	-69	-215	-254	-143
-118	-244	-349	-272	-158	-195	-196	107	542	991	1173	917	503	230	194	265	265	100	-336	-703
-717	-486	-107	401	911	1171	1133	1096	1034	915	716	423	64	-279	-639	-889	-878	-803	-766	-777
-785	-694	-534	-375	-241	-98	-78	-103	-113	-12	141	290	239	-41	-332	-522	-572	-384	-103	104
94	90	41	18	41	119	161	162	122	35	-57	-108	-30	201	428	663	758	643	417	78
-244	-347	-391	-346	-283	-240	-84	208	549	804	825	680	436	55	-263	-281	-41	226	438	536
514	569	753	970	1097	1095	948	639	219	-127	-317	-353	-234	1	300	459	414	287	135	71
78	106	3	-232	-475	-618	-698	-761	-848	-894	-773	-454	-55	169	188	138	97	1	-186	-407
-549	-543	-435	-312	-229	-176	-78	83	247	404	470	437	464	480	382	213	76	-34	-130	-159
-182	-175	-126	-77	-24	49	136	170	113	3	-134	-277	-354	-300	-155	-107	-161	-222	-276	-314
-376	-449	-500	-556	-626	-673	-665	-621	-513	-349	-170	-15	22	-9	-67	-140	-207	-209	-186	-205
-212	-170	-170	-248	-331	-374	-366	-254	-71	72	97	36	2	-30	-110	-221	-199	-72	-4	-23
-78	-72	40	144	207	247	239	190	106	-33	-182	-221	-134	-78	-122	-120	-32	33	18	-26
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-8	-6	121	239	204	129	192	353	464	526	545	570	582	504	300	150	104	129	158	166
183	205	248	312	392	441	407	379	395	421	410	340	271	193	105	15	-35	-3	104	178
199	153	79	54	121	205	274	344	379	327	218	98	-19	-64	-62	-119	-133	-77	-2	85

137	119	41	-75	-191	-243	-232	-210	-207	-218	-224	-240	-312	-375	-374	-298	-213	-171	-213	-266
-296	-351	-389	-354	-312	-268	-220	-214	-286	-337	-336	-325	-337	-364	-342	-254	-162	-126	-109	-71
38	143	179	124	53	43	31	-67	-217	-321	-333	-333	-319	-306	-326	-337	-326	-262	-157	-46
42	91	64	-52	-182	-256	-207	-108	-50	15	33	-8	-20	-33	-68	-92	-65	11	117	244
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196	164	138	39	-76	-152	-206	-247	-270	-206	-44	62	106	172	180	93	12	-47	-116	-183
-254	-289	-244	-103	41	173	274	331	353	364	337	270	185	111	42	270	13	12	10	72
219	368	383	307	219	151	103	25	-69	-119	-149	-169	-154	-142	-121	-51	12	53	69	-11
-148	-279	-390	-442	-467	-479	-438	-380	-344	-306	-253	-227	-207	-183	-183	-212	-234	-251	-240	-114
-175	-146	-103	-18	39	60	106	174	199	192	227	227	163	85	5	-41	-2	50	87	97
51	50	117	189	217	233	259	318	338	253	123	29	-30	-65	-2	76	74	32	7	8
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-68	49	132	182	217	246	211	117	3	-101	-126	-107	-118	-163	-196	-158	-73	-47	-36	0
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148	165	161	168	146	43	-77	-117	-123	-112	-105	-78	-24	17	45	76	87	74	52	25
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-79	-43	7	43	57	38	-25	-92	-135	-156	-163	-171	-168	-149	-123	-100	-88	-97	-120	-114
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188	163	156	159	126	59	27	28	30	-5	-55	-91	-108	-86	-37	-21	-27	-24	-28	-47
-87	-122	-140	-138	-138	-151	-206	-260	-200	-57	41	69	68	59	28	-5	-27	-10	14	27
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231	211	104	21	-18	-58	-84	-109	-130	-115	-90	-80	-58	-16	44	81	82	74	74	66

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22	-27	-58	-74	-79	-75	-53	-23	-24	-52	-65	-53	-58	-71	-69	-57	-52	-56	-57	-37
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-6	46	76	74	66	55	53	50	31	7	-1	6	27	50	63	65	73	82	76	43
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11K159 71.080.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 170 750 GARLAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP N60W 34 03 00N, 118 15 58W  
INSTR PERIOD = 0.0480 SEC DAMPING = 0.716 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACLN = -210.5 CM/SEC/SEC AT 8.14 SEC VELO = 29.2 CM/SEC AT 10.94 SEC DISP = 12.0 CM AT 11.30 SEC

INITIAL VELO = -1.78761 CM/SEC INITIAL DISP = 0.47290 CM  
4730 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-162	-28	45	91	147	170	82	12	41	20	-64	-84	6	85	87	65	46	22	-15	-103
-165	-129	3	109	128	21	-145	-214	-146	-25	87	127	87	46	25	-62	-129	-63	136	268
169	26	-14	-24	-13	23	16	-8	-28	-53	-66	-29	-4	-52	-126	-144	-86	-28	23	65
77	25	-6	18	91	168	146	88	67	75	42	-23	-50	-14	55	36	-46	-167	-223	-144
-65	-12	-24	-61	-24	51	36	-15	5	111	125	52	-67	-120	-51	118	291	190	-55	-168
-135	-75	-40	-57	-14	94	108	-35	-190	-173	50	196	152	69	61	76	56	57	127	168
135	111	93	110	41	-41	-53	23	73	-80	-258	-268	-112	11	47	15	-46	-69	-32	-12
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-80	-131	-210	-225	-178	-7	206	273	90	-64	-7	85	177	218	249	332	390	169	-80	-65
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-141	-190	-69	250	412	149	-207	-361	-302	-177	-194	-292	-271	-231	-312	-405	-480	-532	-401	-211
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925	545	206	-127	-291	-113	-83	-148	-150	32	70	-165	-558	-1095	-1593	-1708	-1226	-520	-253	-175
-206	-447	-818	-957	-929	-870	-507	73	582	773	671	388	113	-65	-156	-131	-120	-137	-145	-139
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832	1115	1057	727	437	579	1091	1182	904	620	299	-189	-647	-1021	-1320	-1413	-1342	-1331	-1294	-1094
-813	-557	-182	42	-434	-1380	-2023	-2105	-1835	-1127	-244	549	1005	970	898	1054	1100	687	5	-296
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417	170	-89	-538	-1189	-1579	-1354	-693	-24	123	134	101	-78	-364	-629	-572	-545	-692	-781	-618
-171	265	473	384	140	-79	-360	-523	-386	36	528	865	1080	845	483	415	638	911	923	825
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288	254	256	179	170	257	209	100	40	16	54	89	38	-71	-192	-279	-263	-164	-10	128
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25	31	21	7	-5	-8	2	9	8	20	29	20	22	22	8	-1	1	7	7	6	11
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4	3	3	3	3	3	7	10	4	-4	-3	-3	-6	-6	-6	0	9	18	19	8	1

IIK159 71.080.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N,118 23 42W  
STATION NO. 1170 750 GARLAND AVENUE, 2ND FLOOR, LOS ANGELES, CAL. COMP DOWN 34 03 00N,118 15 58W  
INSTR PERIOD = 0.0480 SEC DAMPING = 0.595 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACCLN = -94.1 CM/SEC/SEC AT 7.92 SEC VELO = 8.6 CM/SEC AT 10.72 SEC DISP = 5.0 CM AT 11.94 SEC

4731 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.  
INITIAL VELO = 0.37464 CM/SEC INITIAL DISP = -0.14401 CM

119	53	6	-150	-167	109	315	27	-358	-307	79	292	149	-155	-233	-25	0	-214	-172	181
337	283	-19	-364	-392	-124	178	203	60	-118	-123	-8	39	37	-22	-69	-58	-53	2	59
57	-2	-72	-16	229	267	50	-157	-42	183	195	-4	-9	57	-15	-63	77	188	49	-157
-173	-10	182	154	7	-26	230	287	-37	-226	7	289	271	48	-300	-445	-246	181	276	-21
-234	-86	173	-1	-319	-378	-194	34	119	-18	-214	-184	20	206	302	31	-253	-47	181	149
-14	-157	25	514	398	-297	-649	-137	499	274	-316	-458	-108	188	154	104	121	44	-147	-70
311	439	81	-428	-412	275	797	380	-393	-503	79	374	-51	-436	-320	92	212	-22	-356	-410
-26	391	414	7	-384	-444	-78	462	479	50	-334	-260	166	430	249	-113	-228	-32	185	-67
-600	-791	-295	405	595	-12	-546	-512	50	435	455	212	-94	-6	147	-47	-201	68	336	219
-203	-717	-868	-479	237	673	466	-45	-267	18	227	66	-63	4	362	187	-310	-357	-15	323
166	-235	-323	200	646	310	-463	-814	-244	611	728	173	-364	-563	-118	521	597	-62	-681	-672
-166	278	414	-47	-455	-511	-188	152	-111	-333	127	413	-78	-291	-159	364	534	267	-176	-578
-450	152	757	456	-358	-690	-470	343	499	379	174	-84	-28	234	167	-143	-239	91	489	341
-8	29	23	-333	-530	-446	-169	170	397	343	68	-129	-260	-164	107	223	125	-51	-217	-243
34	231	333	402	254	6	-124	-42	-42	347	99	-318	-336	192	476	-135	-651	-230	430	753
356	-408	-656	-65	759	679	15	-339	-17	489	123	-397	-176	259	357	149	85	15	-362	-685
-548	63	489	577	175	-508	-872	-492	307	467	129	33	180	271	358	258	214	227	20	-221
-296	-58	145	-16	-257	-244	-155	-19	-14	-20	119	300	303	-44	-341	-281	-73	-271	-513	-232
384	513	154	-96	131	529	477	-166	-470	-190	282	282	-217	-464	-142	251	365	61	-281	-389
-404	-188	223	437	178	-236	-212	49	28	-92	-28	78	-108	-239	-367	-709	-941	-572	-135	192
314	438	347	-143	-247	-143	239	424	256	86	102	115	176	139	-87	-120	-20	91	161	3
-291	-641	-571	-29	253	29	-217	-54	139	281	360	87	-217	-217	-143	86	224	85	1	-133
-396	-351	-47	110	10	-137	-118	-69	-77	-144	-150	-20	98	264	492	286	-270	-605	-551	-168
50	-202	-480	-454	-144	268	362	-37	-332	-333	-113	101	-29	-271	-132	122	48	-52	-119	50
313	307	-81	-407	-236	242	452	364	2	-258	-77	294	407	145	-16	-2	191	534	730	535
197	137	294	236	60	92	211	285	119	-113	-132	157	266	36	-136	23	430	519	156	-66
-26	204	500	603	406	-21	-463	-348	81	258	175	101	116	108	289	260	25	-56	-99	-231
-299	-161	-44	-86	-225	-148	49	106	28	-20	10	-26	23	-70	-193	-128	-46	-31	-77	-63
69	202	221	111	-2	-83	-172	-265	-335	-387	-362	-174	76	323	427	315	263	344	402	354
221	42	-30	9	17	-11	-18	-123	-316	-350	-313	-350	-360	-453	-599	-582	-463	-445	-538	-477
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-161	-55	106	101	-27	-124	-98	-70	-138	-297	-307	-128	40	10	-128	-220	-155	-27	119	186
84	49	65	47	110	95	33	23	65	230	303	261	167	79	33	8	60	197	260	236
163	-80	-257	-9	348	333	97	-151	-204	-40	59	73	46	-40	-99	-93	-53	80	183	244
162	2	-30	110	223	187	33	-92	-116	-34	136	118	-96	-102	99	215	165	110	221	302
188	85	29	63	88	60	-75	-204	-238	-93	98	45	-44	-3	60	70	61	164	276	226
147	177	136	72	98	129	85	42	2	1	39	35	-42	-53	60	33	53	18	-78	-123
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155	168	84	-39	-24	27	37	-53	-48	83	124	8	-126	-109	-79	-113	-138	-82	29	99

7	-149	-185	-44	130	160	15	-169	-186	-99	0	59	50	30	-35	-17	63	96	32	-18
-36	-117	-227	-214	-106	-30	-91	-230	-284	-198	-110	-111	-205	-248	-161	-73	-30	-66	-135	-115
-25	-17	-160	-297	-227	-28	81	17	-96	-128	-81	-14	31	56	144	249	276	245	220	224
218	181	140	142	198	240	240	198	162	130	125	141	122	73	75	72	92	112	132	190
137	-13	-98	-41	57	115	90	0	-67	-34	79	157	105	-6	-108	-173	-156	-25	50	8
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IIK160 71.081.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 171 750 GARLAND AVENUE, 6TH FLOOR, LOS ANGELES, CAL. COMP S30W 34 03 00N, 118 15 58W  
INSTR PERIOD = 0.0460 SEC DAMPING = 0.647 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

PEAK VALS ACLN = 224.3 CM/SEC/SEC AT 9.88 SEC VELO = 31.3 CM/SEC AT 11.84 SEC DISP = 11.7 CM AT 13.12 SEC

INITIAL VELO = 0.45105 CM/SEC INITIAL DISP = 0.13505 CM

4707 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-53	-118	-114	-49	-50	-74	-86	-91	-85	-65	-60	-57	-20	10	37	88	76	34	43	116
157	166	167	164	136	64	-5	-25	-11	-28	-27	5	-7	-44	-98	-160	-175	-168	-147	-70
23	48	10	13	79	102	92	130	168	139	83	40	2	-39	-47	-19	-34	-45	-2	-25
-121	-159	-117	-66	-63	-57	30	116	129	69	57	95	100	42	8	20	16	-7	-30	-28
-26	-41	-24	17	1	-66	-66	-36	-57	-41	35	92	63	-2	68	149	65	-38	26	118
115	27	-14	-5	-39	-93	-152	-220	-238	-215	-198	-200	-208	-167	-117	-122	-92	-69	-73	-42
85	214	221	194	247	307	261	173	180	218	171	103	116	81	-41	-155	-219	-195	-202	-265
-236	-101	-33	-70	-71	-33	-57	-102	-66	81	185	188	196	236	246	165	62	37	58	6
-7	10	-8	-36	-87	-148	-177	-177	-232	-237	-179	-120	-130	-152	-142	-151	-164	-169	-89	57
171	202	197	241	231	128	87	141	155	151	158	155	136	74	-7	-32	-86	-170	-167	-57
-39	-84	-77	-66	-101	-198	-246	-202	-213	-264	-221	-92	20	8	44	238	426	435	401	486
567	538	485	373	253	145	56	-23	-105	-202	-289	-374	-484	-626	-710	-776	-839	-806	-532	-263
-206	-128	56	102	-16	-69	54	237	330	416	585	704	771	960	1206	1137	965	922	946	755
468	376	253	24	-281	-654	-886	-873	-883	-1148	-1389	-1430	-1249	-1008	-888	-867	-739	-397	-110	-31
-10	81	256	338	374	452	563	666	778	819	814	853	873	858	723	551	544	651	643	474
257	31	-294	-582	-639	-646	-978	-1196	-1075	-892	-884	-958	830	-595	-488	-407	-150	207	610	934
1144	1213	1332	1315	896	421	317	460	314	49	-134	-210	-165	-308	-678	-916	-948	-866	-808	-822
-869	-735	-530	-414	-356	-236	-126	-105	-82	-167	-331	-323	-256	-334	-416	-306	-96	92	277	549
729	845	919	821	876	1292	1414	1203	1188	1363	1458	1308	904	551	435	236	-160	-501	-635	-674
-733	-735	-486	-335	-326	-273	-155	-117	-157	-320	-643	-936	998	-698	-446	-539	-603	-493	-390	-471
-555	-491	-451	-617	-865	-788	-404	-121	-11	158	387	713	1077	1138	893	772	752	644	454	329
352	411	480	578	515	354	222	65	-178	-471	-701	-860	-1039	-1058	-823	-609	-470	-338	-230	-236
-213	-91	-46	-153	-155	68	321	472	529	509	432	285	36	-132	-180	10	225	246	367	734
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-669	-625	-445	-239	-130	-3	145	358	883	1658	2041	1866	1895	2106	2243	2022	1592	1020	566	376
256	207	123	-25	-127	-110	-87	1	172	251	128	-70	-300	-480	-607	-743	-880	-967	-1123	-1330
-1402	-1347	-1306	-1292	-1185	-1052	-950	-786	-578	-361	-90	215	417	473	427	463	638	771	801	799
812	812	743	684	711	711	584	356	215	133	20	-122	-202	-164	-10	41	-41	-91	-99	-123
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416	330	186	107	188	309	384	389	398	450	523	554	495	391	310	279	262	232	194	138
116	173	237	233	172	155	219	306	366	328	332	336	287	245	197	161	136	118	71	6
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-353	-473	-573	-599	-598	-608	-558	-427	-372	-319	-182	-37	20	10	43	93	61	5	-26	31
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IIK160 71.081.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 171 750 GARLAND AVENUE, 6TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0470 SEC DAMPING = 0.683 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP <sup>N60W</sup> 34 03 00N, 118 15 58W

PEAK VALS ACCLN = 303.3 CM/SEC/SEC AT 10.54 SEC VELO = 50.6 CM/SEC AT 10.84 SEC DISP = 14.3 CM AT 12.20 SEC

INITIAL VELO = -1.86451 CM/SEC INITIAL DISP = 0.74264 CM  
 4708 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

90	81	19	-25	-30	-9	7	42	100	195	166	29	-22	9	-34	-108	-77	-32	-10	28
33	-24	-65	-100	-111	-84	-12	-10	-42	-55	-77	-107	-81	-5	49	122	156	118	49	51
59	99	172	194	116	10	-40	-31	-67	-145	-192	-186	-179	-176	-117	-42	-26	-45	-51	16
97	132	121	128	177	181	138	117	138	155	137	59	-1	-53	-99	-133	-134	-143	-200	-205
-186	-168	-137	-58	38	101	110	89	130	186	186	146	147	142	2	-96	-70	25	32	-31
-24	-22	-106	-171	-151	-53	5	31	-18	15	90	59	12	82	225	268	212	200	225	171
65	30	106	174	66	-105	-102	-12	-32	-104	-144	-160	-244	-308	-270	-165	-85	-36	70	141
131	124	170	195	213	252	291	280	201	151	90	-31	-113	-148	-199	-250	-243	-178	-181	-193
-146	-119	-168	-211	-135	2	70	81	203	352	364	278	299	358	343	321	338	246	80	1
-47	-184	-252	-276	-249	-222	-181	-111	-174	-248	-224	-191	-211	-187	-17	198	276	257	229	315
287	155	57	104	159	116	71	8	-49	-11	40	-57	-169	-164	-88	-51	-85	16	37	-69
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-717	-857	-1036	-1167	-1126	-1062	-1061	-1174	-1108	-889	-727	-511	-327	-204	-151	-196	-182	-93	-16	132
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-596	-453	-317	32	175	53	172	395	643	934	1154	1282	1367	1384	1242	1099	877	749	694	462
281	246	176	-92	-481	-752	-976	-1227	-1214	-1000	-933	-920	-959	-1193	-1450	-1417	-1108	-802	-689	-440
-97	54	-23	-206	-299	-288	-155	6	193	432	616	712	638	523	504	374	62	-103	-144	-239
-274	-307	-390	-422	-379	-424	-400	-318	-294	-122	187	345	423	572	882	1257	1419	1436	1583	1698
1624	1590	1546	1362	1166	1074	985	878	729	513	216	-148	-712	-1494	-1948	-1998	-2542	-2813	-2749	-2638
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2231	2232	2247	1961	1584	1321	1019	825	648	520	361	90	-178	-420	-533	-739	-1008	-1177	-1046	-892
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408	151	-75	-410	-719	-881	-1202	-1609	-1829	-1910	-1887	-1873	-1918	-1903	-1965	-2069	-2161	-2211	-2117	-1876
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75	121	233	276	277	288	310	416	544	599	638	690	787	933	996	913	777	709	722	631
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241	182	175	148	94	86	114	113	91	79	74	57	20	-28	-58	-68	-93	-65	-32	-12
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92	81	56	79	97	101	131	100	108	187	217	221	225	180	143	119	116	113	83	44
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IIK160 71.081.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 171 750 GARLAND AVENUE, 6TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0450 SEC DAMPING = 0.651 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.125 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP DOWN 34 03 00N, 118 15 58W

PEAK VALS ACCLN = -122.6 CM/SEC/SEC AT 7.82 SEC VELO = 10.2 CM/SEC AT 10.60 SEC DISP = 5.1 CM AT 11.80 SEC

4708 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.																				
INITIAL VELO = -1.16768 CM/SEC										INITIAL DISP = 0.02919 CM										
	76	89	-340	-212	-88	409	242	-313	-454	-22	346	285	-96	-302	-27	102	-142	-227	110	374
324	89	-340	-444	-182	-182	176	265	46	-108	-127	20	135	71	-24	-40	-39	-35	32	95	105
48	-80	16	243	254	254	28	-182	-41	280	203	-29	4	101	-21	-59	149	265	39	-188	-151
57	245	146	-86	36	36	411	221	-247	-242	141	340	217	-110	-445	-424	-40	370	159	-228	-221
135	215	-214	-468	-274	-274	-32	150	88	-183	-254	-53	150	398	257	-310	-152	242	207	84	-146
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0	20	22	14	14	12	12	11	22	34	27	-13	-27	12	31	27	12	9	18	12
4	20	34	18	-12	-19	10	39	21	-9	-28	-20	13	31	16	-1	-12	-9	5	14
3	3	-35	-37	-12	14	6	-36	-54	-33	-5	-8	-34	-38	-17	-7	-24	-41	-30	-1
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-6	-4	15	22	18	7	9	22	23	21	18	17	15	7	11	12	8	24	34	12
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-4	-2	4	3	-3	9	30	12	-12	5	6	-3	-1	0	-6	-17	-14	-1	11	10
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-4	-13	-16	-4	-1	-11	-19	-18	-11	-2	4	2	-9	-9	1	-1	-14	-14	-3	0
4	0	-3	-4	-6	-4	2	7	7	4	2	4	11	20	2	-19	-14	-2	18	16
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-3	-11	-21	-26	-9	5	1	-10	-21	-7	2	-9	-18	-15	-15	-15	-19	-22	-26	-25
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-5	-22	-22	-15	-10	-13	-20	-22	-22	-10	-10	-22	-5	-16	-14	-2	-6	-12	-14	-6

California Institute of Technology  
Earthquake Engineering Research Laboratory

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