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Processed Digital Recordings for Selected Earthquakes of the 1982 Enola, Arkansas, Swarm

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INTRODUCTION

On January 12, 1982 the occurrence of a duration magnitude 1.2 M_d earthquake in north-central Arkansas heralded the beginning of an unusual swarm of over 30,000 earthquakes near the town of Enola, Arkansas. Although the cause of the earthquakes is as yet unknown, Johnston (1982) has suggested a reactivation of existing faults by the intrusion of a small magma body as one possible mechanism. Prior to 1982, the region had been relatively aseismic. Until the occurrence of the swarm, only six earthquakes were known to have occurred in the state of Arkansas (Coffman and von Hake, 1970; Jackson, 1979). Only one these events--the m_{bLg} = 4.5 Ferndale earthquake of January 1, 1969--was located in the vicinity of the swarm.

The Enola, Arkansas, region is located in the Arkoma Basin geologic province--locally known as the Arkansas Valley--north of the Ouachita orogenic belt and west of the Mississippi Embayment (Fig. 1). Locally, the basin contains approximately 4.7 km of sediments overlaying crystalline basement (Chiu *et al.*, 1984). The swarm occurred within this basement rock near the axis of the Meniffee syncline and in the immediate vicinity of the Morrillton fault (Fig. 2)--a normal fault which, if extended to depth, would pass through the hypocentral region (Haar *et al.*, 1984).

The processed seismograms presented in this report were recorded by an array of portable digital seismographs deployed during a two and one-half week investigation conducted by the U.S. Geological Survey (USGS) at the request of the Tennessee Earthquake Information Center (Haar *et al.*, 1984). The largest earthquake recorded during this period was a magnitude 3.8 M_d event that occurred on July 5, 1982, the last day of the investigation. Haar *et al.* (1982) give locations and source parameters for 53 earthquakes recorded by the array.

The known magnitudes of earthquakes studied in this report range from 1.1 to 3.8 M_d. Such ground motions are not usually considered to have engineering significance. We believe, however, that such processed data can be of great value to the engineering community by providing a basis for better understanding the regional effects of magnitude scaling, distance attenuation, and local site conditions on engineering parameters of ground-motion.

The processing algorithms used in this study are consistent with those used in the routine processing of strong-motion accelerograms (e.g., Converse, 1984). Therefore, the currently processed ground motions are consistent in both form and quality with processed strong-motion data routinely distributed by the U.S. Geological Survey and the California Division of Mines and Geology for use by the engineering community. Ground motions provided in this report include "uncorrected" acceleration; SMA-1 simulated acceleration; "corrected" acceleration, velocity, and displacement; Fourier amplitude spectra; and five-percent damped pseudorelative velocity response spectra.

The discussion of each major processing step provides a brief description of the ground motions generated at that step as well as the algorithms used to produce those ground motions. Flowcharts summarizing these computational steps are provided in Figures 3 and 4.

FIELD INVESTIGATION

On June 24, 1982, an array of 10 portable seismographs were deployed in a in the immediate vicinity of the earthquake swarm (Fig. 5). The purpose for the array was twofold: (1) to better define the location and size of the swarm, and (2) to determine source parameters for individual earthquakes. Recording systems consisted of velocity transducers or force balance accelerometers (FBAs) connected to Sprengnether DR-100 digital event recorders. The three FBA recording systems were placed in the center of the array and the seven velocity systems were placed along its perimeter. Shales and siltstones of the Atoka Formation (local bedrock) were less than 1 m below the surface at most of the velocity sites, and were probably no more than 2 to 4 m below the surface at the FBA sites (Haar *et al.*, 1984). The transducers were buried approximately 0.5 m deep, where possible, to insure adequate coupling with the ground.

The recorders utilized a 12-bit analog-to-digital (A/D) converter, with a dynamic range and resolution of 72 db, to digitize the analog signals. Each system was set up to record three orthogonal components, two horizontal and one vertical, with each channel sampled at 200.32 samples per second and stored digitally on a magnetic tape cassette. The frequency response of the velocity recording system was flat from about 2 Hz to about 50 Hz, the cutoff frequency of the antialiasing filter. The frequency response of the FBA recording system was flat from about 0.1 or 0.2 Hz, depending on the predisposition of the amplifiers, to about 50 Hz, the natural frequency of the FBA transducer and the cutoff frequency of the antialiasing filter. Antialiasing was implemented with a 50 Hz low-pass, five-pole Butterworth filter. In Menlo Park, the data were transferred to a PDP 11/70 computer, demultiplexed into individual component files, and prepared for later analysis.

UNCORRECTED TIME SERIES

The term "uncorrected" refers to the stage of processing whereby a strong-motion accelerogram is digitized and baseline corrected (Hudson, 1979). This stage is emulated in the present analysis by first preprocessing the FBA and velocity seismograms, then instrument correcting and differentiating the preprocessed velocity time series.

Preprocessing

Preprocessing consisted of (1) identifying and removing traces dominated by noise, (2) removing transients, (3) performing a baseline correction, (4) tapering and padding the baseline-corrected time series, and (5) converting the amplitudes of the time series from internal storage units (counts) to ground-motion units.

Individual traces were excluded from analysis because: (1) they were dominated by noise as a result of a recorder malfunction or a visibly low

signal-to-noise ratio, (2) their amplitudes had exceeded the dynamic range of the system (clipped), or (3) there was no location, magnitude, or seismic moment available for the triggering event. Consequently, 573 velocity components and 60 acceleration components, representing 223 recordings from 49 events, were identified as suitable for processing (Tables 1-3, Fig. 6).

Transients appeared on the seismograms as either spikes or ramps. Spikes consisted of time marks or "glitches" that had not been removed during the original decoding process. They were removed with an interactive computer program developed by the second author. On some FBA traces, there was a transient that started in the P-wave train and lasted about one second. It was composed of a sudden shift in the baseline followed by a slow decay. This ramp was apparently caused by a power surge in the recorder when the cassette drive turned on (Fletcher *et al.*, 1981). It was removed from the horizontal traces by interactively replacing the early, low-amplitude portion of the recording with zeros. Unfortunately, this simple fix was not possible for the vertical traces.

Each trace was baseline corrected to remove any DC offset, after which a short cosine taper was applied to the end of each trace and zeros were added to bring the total number of samples to a power of two. This latter step was required by the Fast Fourier Transform (FFT) algorithm.

Amplitudes in terms of internal storage units (counts) were converted to ground-motion units using the algorithm:

$$A_g(t) = A_i(t)/(CC \cdot M \cdot DC) \qquad (1)$$

where $A_g(t)$ is the amplitude of the time series in ground-motion units (cm/sec^2 for acceleration or cm/sec for velocity), $A_i(t)$ is the amplitude in counts (where 2048 counts represents the full dynamic range of the system), CC is the coil constant of the transducer (volts/cm/sec^2 for FBA transducers or volts/cm/sec for velocity transducers), M is the magnification of the system ($M = 10^{G/20}$), G is the gain of the system in decibels, and DC is the digitization constant of the A/D converter in counts/volt.

Instrument-Corrected Velocity

Preliminary analyses indicated that preprocessed velocity time series could be differentiated to simulate preprocessed acceleration. However, unlike the FBA transducer, the response of the velocity transducer is flat for frequencies exceeding 2 Hz. Therefore, in order to extend the frequency range of useable velocity data and to better simulate the FBA recording system, the preprocessed velocity time series were instrument corrected prior to differentiation using the algorithm:

$$S_v(f) = S_o(f) \cdot [1 - (f_i/f)^2 - 2i\beta f_i/f] \qquad (2)$$

which assumes that the velocity transducer responds as a damped harmonic oscillator (i.e., a single-degree-of-freedom system) (Aki and Richards, 1980, p. 479). In the above expression, f is frequency in Hertz, $S_v(f)$ is the FFT of the instrument-corrected velocity time series, $S_o(f)$ is the FFT of the preprocessed velocity time series, and f_i and β are the undamped natural frequency and critical damping of the velocity transducer (Table 2).

In order to reduce the amplification of low-frequency noise, a high-pass Butterworth filter [Equation (7)] with a cutoff frequency of 0.17 Hz was applied to the velocity spectra prior to instrument correction. The value of the cutoff frequency was selected to be low enough so as not to filter out useable signal, yet high enough to prevent serious distortion of the instrument-corrected time series.

Uncorrected Time Series

The preprocessed acceleration and velocity time series developed during this stage of processing are referred to as "uncorrected" time series, since they have been subjected to about the same level of processing as a typical uncorrected strong-motion accelerogram (Hudson, 1979; Converse, 1984). As discussed above, uncorrected acceleration time series were also computed by differentiating preprocessed velocity time series. Differentiation was done in the frequency domain using the algorithm:

$$S_a(f) = 2\pi f \cdot S_v(f) \tag{3}$$

where $S_a(f)$ is the FFT of the uncorrected acceleration time series and $S_v(f)$ is the FFT of the instrument-corrected velocity time series. These differentiated velocity time series, together with the preprocessed acceleration time series described earlier, will be collectively referred to as uncorrected acceleration in the remainder of this report. Peak accelerations for these uncorrected time series are listed in Table 4.

SIMULATED SMA-1 TIME SERIES

The uncorrected acceleration time series described in the previous section were recorded on instruments whose high-frequency response characteristics are substantially different from that of a typical strong-motion accelerograph. As a result, it is not possible to directly compare the peak accelerations scaled from these time series with the existing catalog of strong-motion recordings. In order to produce a time series that can be used to estimate an instrumental peak from a typical strong-motion accelerogram, an algorithm was applied to each time series to analytically simulate the response of a strong-motion accelerograph. The algorithm used for this simulation is that given by Joyner (1984):

$$S_s(f) = S_a(f)/[1- (f/f_i)^2 + 2i\beta f/f_i] \quad (4)$$

where $S_s(f)$ is the FFT of the simulated accelerogram, $S_a(f)$ is the FFT of the uncorrected acceleration time series, and f_i and β are the undamped natural frequency and critical damping of the hypothetical accelerograph. For this study, we used f_i = 25 Hz and β = 0.6, nominal values for the natural frequency and damping of the SMA-1 strong-motion accelerograph (Hudson, 1979). Peak accelerations for these simulated accelerograms are listed in Table 4.

CORRECTED TIME SERIES

The term "corrected" refers to the stage of processing whereby an uncorrected strong-motion accelerogram is instrument corrected, filtered, and integrated to produce velocity and displacement. A similar sequence of steps was used in the present study to compute corrected ground motions from the uncorrected times series described previously. Filtering was performed in the frequency domain using simulated bidirectional (zero phase) Butterworth filters. The major processing steps are discussed below.

Identification of noise

Low-frequency and high-frequency noise was identified by visual inspection of whole-record acceleration, velocity, and displacement spectra. Acceleration spectra were obtained directly from the uncorrected acceleration time series. Velocity spectra were obtained directly from the preprocessed, instrument-corrected velocity time series for velocity recordings, or from integrated uncorrected time series for FBA recordings. Displacement spectra were obtained by integrating the velocity spectra. Integration was done in the frequency domain using the algorithms:

$$S_v(f) = S_a(f)/2\pi f \quad (5)$$

$$S_d(f) = S_v(f)/2\pi f \quad (6)$$

where $S_v(f)$ and $S_d(f)$ are the FFTs of velocity and displacement, respectively. As a matter of convenience, the logarithms of the spectral amplitudes were plotted against both linear and logarithmic frequency. They are referred to as log-linear and log-log plots, respectively, in the discussion that follows.

The high-pass cutoff frequency (sometimes referred to as the corner frequency) was chosen to coincide with an abrupt change in slope in the low-frequency asymptote of the log-log acceleration, velocity, and displacement spectra. Experience with processing strong-motion accelerograms indicates

that such an abrupt change in slope is often associated with the onset of low-frequency noise. Emphasis was placed on the displacement spectra, since they were generally found to be independent of frequency at low frequencies, thereby making it easier to identify the onset of noise.

Inspection of the log-linear spectra indicated that the uncorrected time series were generally free of noise up to the 50 Hz limit imposed by the antialiasing filter. We did, however, apply a low-pass filter with a cutoff frequency of 57.5 Hz simply to insure adequate attenuation of high-frequency noise beyond the limit of the antialiasing filter.

Filtering

Frequency-domain, bidirectional (zero-phase) Butterworth filters were used to filter the uncorrected time series prior to instrument correction and integration. The frequency representation of these filters (Oppenheim and Schafer, 1975; Converse, 1984) is given by the following expressions:

$$H_h(f) = [1 + (f_h/f)^{2N}]^{-1} \tag{7}$$

$$H_l(f) = [1 + (f/f_l)^{2N}]^{-1} \tag{8}$$

where f_h is the high-pass cutoff frequency, f_l is the low-pass cutoff frequency, and N is the order of the filter.

The order of the low-pass filter ($N = 8$) was chosen to simulate an FFT filter--a cosine taper with a bandwidth of 5 Hz--similar to that used in the routine processing of strong-motion accelerograms (Converse, 1984). The order of the high-pass filter ($N = 8$) was chosen to simulate the high-pass, bidirectional Butterworth filter used in the routine processing of strong-motion accelerograms (Joyner, 1984).

In order to accommodate filter transients produced during the application of the high-pass filter, each time series was tapered and padded prior to filtering. Preliminary studies indicated that pads equal to 75 percent of the original duration of each time series were needed to accommodate the longest filter transients. As suggested by W.B. Joyner (personal communication, 1987), one of these pads was applied to the front and one was applied to the rear of each time series. If necessary, additional zeros were added to the rear of each time series to bring the total number of samples to a power of two.

Instrument Correction

The uncorrected acceleration time series derived from the FBA recordings did not require instrument correction, since the frequency response of the FBA

recording system was flat down to 0.1 or 0.2 Hz, well below the onset of low-frequency noise. The uncorrected velocity time series, however, were filtered (see above) then instrument-corrected prior to integration in order to extend the frequency range of useable velocity data. Instrument correction was performed with the algorithm given by Equation (2).

Corrected Time Series

Different processes were used to compute "corrected" time series depending on whether the original time series was an FBA or velocity recording (Figs. 3 and 4). For FBA recordings, the corrected time series were computed from the uncorrected acceleration time series by: (1) tapering, padding, transforming into the frequency domain, filtering, transforming into the time domain, and unpadding to produce corrected acceleration, (2) integrating, baseline correcting, tapering, padding, transforming into the frequency domain, filtering, transforming into the time domain, and unpadding to produce corrected velocity, and (3) tapering and padding the corrected velocity time series, then integrating and unpadding to produce corrected displacement.

The baseline correction in step 2 was necessary because of a visible distortion (drift) in the baseline of the integrated acceleration time series that resulted from an apparent power-supply fluctuation in the feedback loop of the FBA transducers. Preliminary studies indicated that we could substantially reduce this drift, and thus reduce the amplitude of the resulting filter transients, by fitting a parabolic baseline to each integrated acceleration time series prior to filtering. Also, by integrating the acceleration time series before filtering in step 2, we avoided having to integrate the filter transients twice during the computation of corrected displacement.

For velocity recordings, the uncorrected velocity time series were tapered, padded, transformed into the frequency domain, filtered, and (1) differentiated, transformed into the time domain, and unpadded to produce corrected acceleration, (2) transformed into the time domain and unpadded to produce corrected velocity, and (3) transformed into the time domain, integrated, and unpadded to produce corrected displacement.

Some of the vertical components of the FBA recordings contained significant transients in the first few seconds of the corrected velocity and displacement time series as a result of integrating the ramps caused by the start-up of the tape drive during recording. When this occurred, the high-pass cutoff frequency was increased until the transient was reduced to an acceptable level. In some cases, however, these transients are still somewhat visible, especially in the displacement time series.

Peak values scaled from corrected time series, together with the corresponding high-pass cutoff frequency used in their development, are listed in Table 4. Selected plots are displayed in the *Appendix*. Because of the large number of time series processed in this report, it is not feasible to present plots for every one of them. Therefore, the *Appendix* contains plots for only those events with $M_d \geq 2.0$.

FOURIER AND RESPONSE SPECTRA

The Fourier amplitude spectra of the corrected acceleration time series were computed for the standard 91 periods used in the routine processing of strong-motion accelerograms. The algorithms used to make these calculations are similar to the PHASE III processing algorithms provided in AGRAM (Converse, 1984).

The corrected acceleration time series were also used to compute response spectra for the standard 91 periods using computer algorithms developed by Nigam and Jennings (1969). It is customary in such computations to compute pseudoabsolute acceleration (PSAA), absolute acceleration (AA), pseudorelative velocity (PSRV), relative velocity (RV), and relative displacement (RD) for 0, 2, 5, 10, and 20 percent critical damping. However, because of the large number of seismograms processed in the present study, we limited our response spectral calculations to five-percent damped PSRV response spectra--those most used by engineers.

PSAA and RD are easily computed from PSRV by applying the simple relationships:

$$\text{PSAA} = 2\pi f \cdot \text{PSRV} \tag{9}$$

$$\text{RD} = \text{PSRV}/2\pi f \tag{10}$$

AA and RV are not so easily computed; however, they can be calculated from the corrected acceleration time series provided on an accompanying magnetic tape by using any number of available algorithms (e.g., Nigam and Jennings, 1969; Converse, 1984).

Plots of the Fourier amplitude and PSRV response spectra for those corrected time series previously selected for plotting are displayed in the *Appendix*.

STATISTICS OF PEAK GROUND-MOTION PARAMETERS

Summary statistics for the peak ground-motion parameters computed in this study are presented in Table 5. These statistics show relationships between components (e.g., ratios of vertical components to horizontal components), relationships between parameters (e.g., ratios of peak velocity to peak acceleration), and relationships between various stages of processing (e.g., ratios of corrected peaks to uncorrected peaks) for all of the seismograms processed in this report.

Of particular interest are the statistics summarizing the ratios of SMA-1 simulated acceleration to uncorrected acceleration, and corrected acceleration to uncorrected acceleration, which demonstrate the effect of reducing the high-frequency content of the uncorrected time series by SMA-1 simulation and filtering. Table 5 indicates that the mean ratio of SMA-1 simulated acceleration to uncorrected acceleration is 1.00 (no reduction) for the average of the two horizontal components of peak acceleration and 1.01 (a 1 percent increase) for the vertical components of peak acceleration. Similarly, the mean ratio of corrected acceleration to uncorrected acceleration is 0.99 (a 1 percent reduction) and 0.98 (a 2 percent reduction) for these same components. Although these ratios exhibit relatively large variability, their mean values indicate that, on average, the energy content of the time series for frequencies of 25 Hz and above does not contribute significantly to the amplitudes of peak acceleration.

DATA AVAILABILITY

A magnetic tape of the processed records described in this report can be obtained from the National Geophysical Data Center in Boulder, Colorado. All requests should be forwarded to:

National Geophysical Data Center/NOAA
World Data Center-A for Solid Earth Geophysics
325 Broadway, Code E/GC1
Boulder, CO 80303

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TABLE 1

Earthquake Data

Date (UTC)	Time (UTC)	Latitude (°N)	Longitude (°W)	M_d*	Depth (km)
06/25/82	23:55:35	35.183	92.229	1.4	4.2
06/26/82	12:04:59	35.182	92.225	2.3	4.6
06/26/82	15:56:06	35.186	92.242	3.0	4.7
06/27/82	08:18:45	35.225	92.226		6.9
06/27/82	11:17:05	35.190	92.243		5.1
06/27/82	20:33:17	35.182	92.229		4.0
06/29/82	07:00:28	35.185	92.242	1.5	4.4
06/30/82	06:25:13	35.184	92.244	1.6	4.4
06/30/82	14:48:31	35.192	92.227	1.5	5.1
06/30/82	16:04:20	35.155	92.267		3.4
06/30/82	16:21:55	35.192	92.223	3.2	6.9
06/30/82	16:50:50	35.190	92.224	1.8	6.3
06/30/82	17:16:31	35.190	92.226		5.0
06/30/82	18:21:38	35.201	92.225		5.6
06/30/82	19:31:21	35.190	92.228		4.8
06/30/82	22:53:25	35.186	92.226		5.3
06/30/82	22:54:23	35.191	92.228		5.1
07/01/82	18:15:12	35.189	92.221		5.4
07/02/82	18:54:38	35.190	92.234	1.1	4.6
07/04/82	07:06:25	35.182	92.300	2.0	4.3
07/04/82	22:32:30	35.190	92.228	1.1	5.4
07/04/82	23:17:29	35.188	92.241	1.4	4.0
07/04/82	23:21:01	35.187	92.214	1.3	5.2
07/04/82	23:28:29	35.188	92.213	2.5	5.5
07/04/82	23:31:51	35.186	92.216	1.1	4.6
07/04/82	23:33:03	35.188	92.214		4.9
07/04/82	23:34:03	35.194	92.223		4.0
07/04/82	23:54:23	35.186	92.214		4.4
07/05/82	00:35:20	35.194	92.217		4.9
07/05/82	00:39:57	35.195	92.216		5.1
07/05/82	00:43:13	35.188	92.213	1.3	4.8
07/05/82	00:43:31	35.189	92.212		4.3
07/05/82	00:45:35	35.194	92.215		5.2
07/05/82	00:52:16	35.188	92.213		4.9
07/05/82	01:45:53	35.192	92.212		5.3
07/05/82	01:52:37	35.184	92.227		5.3
07/05/82	02:59:19	35.186	92.218	1.5	4.6
07/05/82	03:05:10	35.192	92.228	1.5	5.0
07/05/82	03:07:45	35.191	92.227	2.7	6.0
07/05/82	03:55:51	35.190	92.228	1.7	5.9
07/05/82	04:01:36	35.192	92.228	1.8	5.9
07/05/82	04:13:51	35.184	92.228	3.8	5.9
07/05/82	04:14:52	35.187	92.230	2.7	5.8
07/05/82	04:15:00	35.185	92.190		5.0
07/05/82	05:02:20	35.188	92.233	1.7	5.6

TABLE 1 (Continued)

Date (UTC)	Time (UTC)	Latitude (°N)	Longitude (°W)	M_d*	Depth (km)
07/05/82	05:11:38	35.197	92.228	1.2	5.7
07/05/82	05:36:41	35.184	92.213	1.8	4.4
07/05/82	08:27:49	35.190	92.226	2.0	5.4
07/05/82	08:31:11	35.190	92.226	1.3	4.0

*Duration magnitude (Johnston and Metzger, 1982)

TABLE 2

Station Data

Station	Lat. (°N)	Long. (°W)	f_h (Hz)	β	Transducer	Type
CMG	35.134	92.209	2.0	0.8	Mark Products L-22D	VEL
CVC	35.210	92.301	2.0	0.8	Mark Products L-22D	VEL
EKR	35.196	92.183	2.0	0.8	Mark Products L-22D	VEL
ENA	35.198	92.206	50.0	0.6	Sprengnether SA-3000	FBA
HHL	35.152	92.262	2.0	0.8	Mark Products L-22D	VEL
MHC	35.216	92.244	2.0	0.8	Mark Products L-22D	VEL
MUD	35.196	92.248	50.0	0.6	Sprengnether SA-3000	FBA
SDF	35.184	92.230	50.0	0.6	Sprengnether SA-3000	FBA
WIL	35.186	92.284	2.0	0.8	Mark Products L-22D	VEL
WMN	35.225	92.204	2.0	0.8	Mark Products L-22D	VEL

TABLE 3

Records Selected for Processing

Date (UTC)	Time (UTC)	M_d	Recording Station										Total No.
			CMG	CVC	EKR	ENA	HHL	MHC	MUD	SDF	WIL	WMN	
06/25/82	23:55:35	1.4				x	x	x				x	4
06/26/82	12:04:59	2.3					x			x		x	3
06/26/82	15:56:06	3.0	x	x		x		x		x	x	x	7
06/27/82	08:18:45			x				x				x	3
06/27/82	11:17:05			x				x			x	x	4
06/27/82	20:33:17		x	x	x						x	x	5
06/29/82	07:00:28	1.5	x	x	x		x	x			x	x	7
06/30/82	06:25:13	1.6	x	x	x	x		x			x		6
06/30/82	14:48:31	1.5		x	x			x				x	4
06/30/82	16:04:20			x	x			x				x	4
06/30/82	16:21:55	3.2	x	x	x	x		x		x	x		7
06/30/82	16:50:50	1.8	x	x	x		x	x		x	x	x	8
06/30/82	17:16:31			x	x		x	x				x	5
06/30/82	18:21:38			x	x			x					3
06/30/82	19:31:21			x	x		x					x	4
06/30/82	22:53:25				x			x				x	3
06/30/82	22:54:23				x			x				x	3
07/01/82	18:15:12				x		x	x					3
07/02/82	18:54:38	1.1		x	x		x	x					4
07/04/82	07:06:25	2.0	x	x	x		x	x				x	6
07/04/82	22:32:30	1.1		x	x		x	x				x	5
07/04/82	23:17:29	1.4	x	x	x		x	x				x	6
07/04/82	23:21:01	1.3	x	x	x		x	x				x	6
07/04/82	23:28:29	2.5	x	x	x	x	x	x		x		x	8
07/04/82	23:31:51	1.1			x		x	x					3
07/04/82	23:33:03		x	x	x		x	x				x	6
07/04/82	23:34:03				x		x	x					3
07/04/82	23:54:23		x	x	x		x	x				x	6
07/05/82	00:35:20				x		x	x					3
07/05/82	00:39:57				x		x	x					3
07/05/82	00:43:13	1.3	x	x	x		x	x				x	6
07/05/82	00:43:31		x		x		x	x					4
07/05/82	00:45:35				x		x	x					3
07/05/82	00:52:16		x	x	x		x	x				x	6
07/05/82	01:45:53			x	x		x	x				x	5
07/05/82	01:52:37		x		x			x					3
07/05/82	02:59:19	1.5	x	x	x			x				x	5
07/05/82	03:05:10	1.5		x	x			x				x	4
07/05/82	03:07:45	2.7	x	x	x	x		x		x		x	7
07/05/82	03:55:51	1.7	x	x	x					x		x	5
07/05/82	04:01:36	1.8	x	x	x	x				x		x	6
07/05/82	04:13:51	3.8				x			x	x		x	4
07/05/82	04:14:52	2.7	x	x	x	x				x		x	6
07/05/82	04:15:00		x									x	2

TABLE 3 (Continued)

Date (UTC)	Time (UTC)	M_d	Recording Station									Total No.
			CMG	CVC	EKR	ENA	HHL	MHC	MUD	SDF	WIL	WMN	
07/05/82	05:02:20	1.7	x	x								x	3
07/05/82	05:11:38	1.2		x						x		x	3
07/05/82	05:36:41	1.8	x	x								x	3
07/05/82	08:27:49	2.0	x	x								x	3
07/05/82	08:31:11	1.3	x	x								x	3
Total			26	35	37	9	24	36	1	11	7	37	223

TABLE 4

Peak Ground-Motion Parameters

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
06/25/82	23:55:35	ENA	VERT	6.80	4.22E+00	4.22E+00	4.11E+00	1.69E-02	9.70E-05
			000	2.00	8.89E+00	8.89E+00	8.90E+00	6.18E-02	8.23E-04
		HHL	VERT	0.90	1.55E+00	1.56E+00	1.54E+00	1.43E-02	2.06E-04
			180	1.10	5.68E+00	5.71E+00	5.72E+00	6.49E-02	1.07E-03
			090	0.80	4.33E+00	4.65E+00	4.63E+00	5.31E-02	9.71E-04
		MHC	VERT	1.00	6.46E+00	6.78E+00	6.66E+00	3.39E-02	4.48E-04
			180	0.90	3.39E+00	3.66E+00	3.63E+00	2.17E-02	4.78E-04
			090	1.10	3.99E+00	4.10E+00	4.11E+00	3.73E-02	6.20E-04
		WMN	VERT	1.00	8.73E-01	9.07E-01	9.01E-01	1.43E-02	2.32E-04
			180	0.90	2.28E+00	2.13E+00	2.14E+00	2.70E-02	4.93E-04
			090	0.80	3.25E+00	3.36E+00	3.06E+00	3.73E-02	1.05E-03
06/26/82	12:04:59	HHL	VERT	1.65	1.21E+01	1.28E+01	1.20E+01	1.26E-01	2.16E-03
		SDF	VERT	2.25	2.19E+01	2.19E+01	2.19E+01	9.57E-02	1.19E-03
			000	1.10	1.33E+01	1.33E+01	1.34E+01	1.79E-01	3.49E-03
			090	1.75	3.39E+01	3.39E+01	3.41E+01	3.94E-01	7.18E-03
		WMN	VERT	1.60	4.03E+00	3.79E+00	3.70E+00	3.44E-02	9.43E-04
			180	0.50	2.68E+00	3.45E+00	3.46E+00	5.15E-02	2.21E-03
			090	0.90	5.36E+00	6.07E+00	5.74E+00	1.25E-01	4.14E-03
06/26/82	15:56:06	CMG	VERT	0.60	1.20E+01	1.20E+01	1.20E+01	1.25E-01	2.52E-03
			180	1.45	1.81E+01	1.70E+01	1.51E+01	1.38E-01	1.64E-03
			090	0.90	1.00E+01	9.10E+00	9.20E+00	9.63E-02	1.58E-03
		CVC	VERT	1.65	7.13E+00	7.27E+00	7.49E+00	9.91E-02	2.60E-03
		ENA	VERT	4.00	1.28E+01	1.28E+01	1.24E+01	1.26E-01	1.65E-03
			000	1.25	3.95E+01	3.95E+01	3.95E+01	3.43E-01	5.80E-03
		MHC	VERT	0.70	1.10E+01	1.13E+01	9.11E+00	8.65E-02	2.90E-03
		SDF	VERT	2.00	3.99E+01	3.99E+01	3.98E+01	3.21E-01	3.86E-03
			000	1.60	6.44E+01	6.44E+01	6.45E+01	6.54E-01	1.14E-02
			090	1.00	6.07E+01	6.07E+01	6.06E+01	5.28E-01	6.98E-03
		WIL	VERT	1.55	6.26E+00	6.46E+00	6.05E+00	1.29E-01	3.56E-03
		WMN	VERT	1.60	7.82E+00	7.96E+00	8.02E+00	7.29E-02	3.11E-03
			180	1.10	1.33E+01	1.30E+01	1.29E+01	1.13E-01	3.84E-03
			090	1.00	1.19E+01	1.16E+01	1.14E+01	1.36E-01	3.61E-03
06/27/82	08:18:45	CVC	VERT	1.60	1.34E-01	1.30E-01	1.28E-01	1.05E-03	1.55E-05
			180	1.10	1.62E-01	1.52E-01	1.24E-01	2.72E-03	5.66E-05
			090	1.55	1.91E-01	2.11E-01	2.12E-01	2.01E-03	3.13E-05
		MHC	VERT	1.00	6.11E-01	6.57E-01	6.23E-01	3.79E-03	4.73E-05
			180	1.90	5.89E-01	5.94E-01	6.26E-01	3.17E-03	4.09E-05
			090	1.30	4.88E-01	4.91E-01	4.71E-01	3.33E-03	7.52E-05
		WMN	VERT	4.80	1.08E-01	1.22E-01	1.08E-01	1.13E-03	1.09E-05
			180	1.35	4.23E-01	4.08E-01	4.19E-01	4.45E-03	4.62E-05
			090	0.90	6.12E-01	6.36E-01	6.44E-01	5.97E-03	1.44E-04
06/27/82	11:17:05	CVC	VERT	1.70	2.95E-01	2.93E-01	2.94E-01	1.63E-03	2.19E-05
			180	1.30	7.24E-01	7.33E-01	7.50E-01	7.20E-03	1.57E-04
			090	2.15	3.47E-01	3.56E-01	3.57E-01	4.62E-03	5.50E-05

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
		MHC	VERT	1.50	1.01E+00	9.75E-01	9.75E-01	5.01E-03	4.12E-05
			180	1.65	7.07E-01	6.83E-01	6.98E-01	9.00E-03	1.62E-04
			090	1.25	8.96E-01	8.94E-01	8.92E-01	8.80E-03	1.20E-04
		WIL	VERT	3.10	2.56E-01	2.53E-01	2.50E-01	1.35E-03	1.32E-05
			180	1.65	3.29E-01	3.65E-01	3.50E-01	2.98E-03	3.48E-05
			090	2.10	7.07E-01	7.04E-01	7.07E-01	6.79E-03	7.55E-05
		WMN	VERT	1.50	2.74E-01	2.51E-01	2.60E-01	3.42E-03	6.53E-05
			180	1.65	5.78E-01	5.87E-01	5.78E-01	8.87E-03	1.36E-04
			090	1.80	8.44E-01	8.67E-01	8.70E-01	9.27E-03	9.95E-05
06/27/82	20:33:17	CMG	VERT	2.00	1.04E+00	1.04E+00	1.07E+00	6.65E-03	8.98E-05
			180	1.65	1.56E+00	1.50E+00	1.51E+00	1.28E-02	1.29E-04
			090	1.35	1.01E+00	1.05E+00	1.05E+00	6.42E-03	6.53E-05
		CVC	VERT	1.60	1.84E+00	1.85E+00	1.82E+00	1.06E-02	1.03E-04
			180	0.70	1.11E+00	1.12E+00	1.12E+00	1.83E-02	4.08E-04
			090	0.90	8.31E-01	8.66E-01	8.53E-01	1.18E-02	1.96E-04
		EKR	VERT	2.25	2.93E+00	2.98E+00	1.60E+00	9.05E-03	7.95E-05
			180	1.70	2.22E+00	2.32E+00	1.74E+00	1.07E-02	1.10E-04
			090	2.40	2.59E+00	2.73E+00	1.88E+00	1.02E-02	1.20E-04
		WIL	VERT	1.65	3.97E-01	4.07E-01	4.08E-01	4.02E-03	5.41E-05
			180	1.60	6.82E-01	6.80E-01	6.67E-01	9.13E-03	1.38E-04
			090	1.95	3.91E-01	4.27E-01	4.23E-01	4.49E-03	6.26E-05
		WMN	VERT	1.20	3.35E-01	3.41E-01	3.32E-01	5.87E-03	1.01E-04
			180	1.15	1.17E+00	1.13E+00	1.13E+00	1.21E-02	1.89E-04
			090	0.95	1.24E+00	1.31E+00	1.32E+00	1.51E-02	4.23E-04
06/29/82	07:00:28	CMG	VERT	1.75	7.87E-01	7.88E-01	7.98E-01	8.53E-03	1.55E-04
			180	1.30	1.29E+00	1.32E+00	1.33E+00	1.34E-02	2.35E-04
			090	1.70	1.31E+00	1.32E+00	1.32E+00	1.27E-02	1.40E-04
		CVC	VERT	0.90	8.22E-01	7.49E-01	7.66E-01	1.38E-02	2.56E-04
			180	0.40	1.64E+00	1.39E+00	1.38E+00	3.38E-02	8.82E-04
			090	0.60	2.04E+00	1.81E+00	1.83E+00	3.29E-02	5.70E-04
		EKR	VERT	1.15	9.96E-01	9.72E-01	9.51E-01	1.10E-02	2.90E-04
			180	0.85	1.57E+00	1.75E+00	1.72E+00	2.13E-02	6.55E-04
			090	0.90	2.32E+00	2.32E+00	2.33E+00	2.30E-02	4.41E-04
		HHL	VERT	1.10	1.17E+00	1.16E+00	1.17E+00	1.16E-02	2.97E-04
			180	0.80	2.31E+00	2.30E+00	2.30E+00	2.43E-02	3.24E-04
			090	0.60	2.92E+00	2.62E+00	2.61E+00	3.78E-02	8.40E-04
		MHC	VERT	0.70	1.48E+00	1.51E+00	1.49E+00	1.18E-02	2.32E-04
			180	1.10	3.24E+00	3.09E+00	3.17E+00	3.95E-02	7.96E-04
			090	1.35	8.08E+00	8.87E+00	8.95E+00	9.50E-02	2.01E-03
		WIL	VERT	1.55	6.31E-01	5.45E-01	5.22E-01	1.11E-02	3.27E-04
			180	1.55	1.54E+00	1.48E+00	1.47E+00	2.34E-02	5.03E-04
			090	2.50	2.35E+00	2.41E+00	2.40E+00	2.73E-02	5.67E-04
		WMN	VERT	1.60	7.68E-01	7.99E-01	7.95E-01	9.03E-03	2.03E-04
			180	0.70	1.72E+00	1.77E+00	1.77E+00	1.67E-02	2.98E-04
			090	0.80	1.28E+00	1.37E+00	1.36E+00	1.40E-02	3.44E-04
06/30/82	06:25:13	CMG	VERT	2.20	3.37E+00	3.57E+00	3.54E+00	1.99E-02	2.25E-04

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel. (cm/sec^2)	SMA-1 Accel. (cm/sec^2)	Cor. Accel. (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
			180	1.35	3.93E+00	3.81E+00	3.84E+00	2.75E-02	3.30E-04
			090	0.80	4.66E+00	4.73E+00	4.72E+00	3.15E-02	2.20E-04
		CVC	VERT	1.10	1.52E+00	1.41E+00	1.44E+00	1.86E-02	2.98E-04
			180	0.50	2.25E+00	2.07E+00	2.06E+00	4.09E-02	9.61E-04
			090	0.50	3.23E+00	3.05E+00	3.05E+00	4.29E-02	6.95E-04
		EKR	VERT	0.70	1.60E+00	1.60E+00	1.56E+00	1.55E-02	3.46E-04
			180	0.80	3.20E+00	3.26E+00	3.24E+00	3.64E-02	8.74E-04
			090	0.70	4.74E+00	4.71E+00	4.71E+00	4.13E-02	5.56E-04
		ENA	VERT	2.90	5.21E+00	5.21E+00	5.09E+00	2.60E-02	3.61E-04
			000	2.90	3.59E+00	3.59E+00	3.69E+00	4.30E-02	5.50E-04
			090	3.45	5.56E+00	5.56E+00	5.38E+00	3.95E-02	3.26E-04
		MHC	VERT	2.80	4.31E+00	4.42E+00	4.35E+00	3.65E-02	4.13E-04
			180	1.15	5.83E+00	5.88E+00	5.81E+00	6.87E-02	1.13E-03
			090	2.70	1.60E+01	1.60E+01	1.53E+01	1.14E-01	1.85E-03
		WIL	VERT	1.10	1.41E+00	1.35E+00	1.34E+00	1.86E-02	4.40E-04
			180	3.05	2.41E+00	2.58E+00	2.52E+00	2.98E-02	6.49E-04
			090	2.10	4.10E+00	4.27E+00	4.51E+00	4.64E-02	8.31E-04
06/30/82	14:48:31	CVC	VERT	1.60	3.24E-01	3.14E-01	3.28E-01	3.39E-03	4.86E-05
			180	0.60	7.23E-01	7.61E-01	7.30E-01	1.26E-02	2.97E-04
			090	1.20	4.41E-01	4.46E-01	4.16E-01	4.03E-03	7.21E-05
		EKR	VERT	1.45	9.82E-01	9.05E-01	9.05E-01	7.53E-03	1.15E-04
			180	0.80	6.12E-01	7.17E-01	6.85E-01	7.23E-03	2.17E-04
			090	1.05	7.48E-01	7.76E-01	7.46E-01	8.65E-03	1.28E-04
		MHC	VERT	0.90	1.22E+00	1.19E+00	1.16E+00	7.68E-03	1.49E-04
			180	1.15	9.62E-01	8.57E-01	8.69E-01	1.43E-02	2.82E-04
			090	1.00	1.19E+00	1.20E+00	1.17E+00	1.77E-02	3.44E-04
		WMN	VERT	1.70	7.10E-01	7.98E-01	7.83E-01	7.29E-03	1.95E-04
			180	1.30	1.38E+00	1.39E+00	1.39E+00	1.59E-02	3.48E-04
			090	1.10	7.12E-01	6.92E-01	6.70E-01	7.10E-03	1.22E-04
06/30/82	16:04:20	CVC	VERT	2.00	1.23E-01	1.03E-01	1.11E-01	1.46E-03	1.51E-05
			180	1.20	2.76E-01	2.54E-01	2.50E-01	3.85E-03	8.01E-05
			090	3.00	2.08E-01	1.98E-01	2.04E-01	2.00E-03	2.54E-05
		EKR	VERT	1.65	9.98E-01	1.04E+00	9.97E-01	4.43E-03	4.34E-05
			180	2.00	3.07E-01	3.11E-01	2.92E-01	1.88E-03	1.56E-05
			090	1.65	5.16E-01	5.14E-01	5.25E-01	3.04E-03	2.67E-05
		MHC	VERT	1.10	6.80E-01	6.87E-01	6.74E-01	2.94E-03	2.84E-05
			180	1.60	3.00E-01	3.13E-01	3.16E-01	3.75E-03	6.09E-05
			090	1.50	4.83E-01	5.12E-01	5.15E-01	5.62E-03	8.78E-05
		WMN	VERT	0.90	1.02E+01	9.16E+00	8.81E+00	1.20E-01	4.23E-03
			180	1.35	1.03E+01	1.06E+01	1.07E+01	1.33E-01	4.03E-03
			090	0.40	7.67E+00	7.99E+00	8.11E+00	1.11E-01	5.70E-03
06/30/82	16:21:55	CMG	VERT	2.00	3.88E+00	4.44E+00	4.44E+00	4.85E-02	1.08E-03
			180	2.00	1.32E+01	1.30E+01	1.30E+01	1.23E-01	2.40E-03
			090	2.00	8.23E+00	7.90E+00	7.86E+00	7.92E-02	1.18E-03
		CVC	VERT	0.65	1.41E+00	1.41E+00	1.37E+00	1.82E-02	6.31E-04
			180	0.30	3.25E+00	2.95E+00	2.96E+00	7.15E-02	3.53E-03

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
			090	0.50	1.51E+00	1.56E+00	1.55E+00	2.14E-02	6.95E-04
		EKR	VERT	0.80	1.32E+01	1.24E+01	9.31E+00	9.74E-02	2.46E-03
			180	0.80	6.67E+00	6.24E+00	6.13E+00	6.13E-02	2.24E-03
			090	0.80	1.30E+01	1.21E+01	1.20E+01	1.50E-01	3.47E-03
		ENA	VERT	6.60	1.40E+01	1.40E+01	1.46E+01	8.22E-02	8.34E-04
			000	5.40	1.22E+01	1.22E+01	1.18E+01	1.11E-01	1.56E-03
			090	6.00	7.18E+00	7.18E+00	6.06E+00	6.28E-02	1.07E-03
		MHC	VERT	0.90	7.35E+00	7.58E+00	7.64E+00	6.60E-02	3.45E-03
		SDF	VERT	5.50	5.48E+00	5.48E+00	5.30E+00	3.07E-02	3.37E-04
			000	1.50	1.50E+01	1.50E+01	1.50E+01	1.74E-01	3.28E-03
			090	1.30	1.76E+01	1.76E+01	1.75E+01	2.20E-01	4.06E-03
		WIL	VERT	0.60	2.50E+00	2.60E+00	2.54E+00	2.41E-02	1.29E-03
			180	2.75	3.85E+00	3.93E+00	3.84E+00	5.39E-02	1.05E-03
			090	0.95	4.28E+00	4.10E+00	4.07E+00	7.21E-02	2.30E-03
06/30/82	16:50:50	CMG	VERT	1.60	3.52E+00	3.69E+00	3.69E+00	1.88E-02	3.13E-04
			180	0.90	4.78E+00	5.05E+00	5.02E+00	4.95E-02	8.25E-04
			090	1.00	6.82E+00	6.71E+00	6.85E+00	7.91E-02	1.52E-03
		CVC	VERT	0.60	1.02E+00	1.12E+00	1.06E+00	9.09E-03	1.44E-04
			180	0.50	1.05E+00	9.12E-01	9.23E-01	1.93E-02	7.31E-04
			090	0.60	8.72E-01	7.92E-01	8.11E-01	1.11E-02	2.52E-04
		EKR	VERT	0.70	2.93E+00	2.96E+00	2.94E+00	1.80E-02	3.40E-04
			180	0.60	2.49E+00	2.03E+00	2.03E+00	4.43E-02	1.33E-03
			090	0.60	2.43E+00	2.47E+00	2.46E+00	2.08E-02	4.30E-04
		HHL	VERT	0.60	2.59E+00	2.68E+00	2.69E+00	2.55E-02	8.43E-04
			180	0.60	7.32E+00	7.83E+00	7.79E+00	9.44E-02	1.55E-03
			090	1.35	1.04E+01	1.12E+01	1.08E+01	9.75E-02	2.03E-03
		MHC	VERT	0.60	2.86E+00	2.85E+00	2.76E+00	2.18E-02	7.79E-04
			180	0.50	2.69E+00	2.53E+00	2.55E+00	4.19E-02	1.08E-03
			090	0.50	2.89E+00	2.86E+00	2.88E+00	4.83E-02	1.69E-03
		SDF	VERT	2.65	1.20E+01	1.20E+01	1.19E+01	7.27E-02	5.39E-04
			000	1.15	1.45E+01	1.45E+01	1.45E+01	1.90E-01	3.64E-03
			090	1.80	1.46E+01	1.46E+01	1.46E+01	1.37E-01	2.24E-03
		WIL	VERT	1.20	1.56E+00	1.64E+00	1.64E+00	1.01E-02	1.72E-04
			180	1.35	1.96E+00	1.83E+00	1.84E+00	2.75E-02	6.02E-04
			090	0.90	2.21E+00	2.21E+00	2.21E+00	2.02E-02	2.18E-04
		WMN	VERT	0.70	1.53E+00	1.37E+00	1.38E+00	1.60E-02	4.77E-04
			180	0.60	1.38E+00	1.60E+00	1.60E+00	2.78E-02	6.98E-04
			090	0.80	2.13E+00	2.27E+00	2.26E+00	1.71E-02	5.02E-04
06/30/82	17:16:31	CVC	VERT	1.40	1.71E-01	1.68E-01	1.67E-01	1.96E-03	2.30E-05
			180	1.60	3.65E-01	3.29E-01	3.23E-01	5.68E-03	1.10E-04
			090	2.30	2.48E-01	2.37E-01	2.36E-01	3.14E-03	3.94E-05
		EKR	VERT	1.70	1.19E+00	1.20E+00	1.16E+00	5.21E-03	5.94E-05
			180	2.30	3.72E-01	3.75E-01	3.65E-01	2.90E-03	3.68E-05
			090	1.10	6.09E-01	6.05E-01	5.99E-01	3.83E-03	3.73E-05
		HHL	VERT	1.30	3.65E-01	3.86E-01	3.84E-01	3.36E-03	6.32E-05
			180	2.80	1.05E+00	1.14E+00	1.13E+00	1.28E-02	1.60E-04

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
			090	1.25	1.63E+00	1.72E+00	1.71E+00	1.35E-02	2.40E-04
		MHC	VERT	0.90	4.98E-01	4.77E-01	4.95E-01	3.04E-03	3.59E-05
			180	1.00	3.48E-01	3.61E-01	3.86E-01	3.99E-03	9.61E-05
			090	1.10	5.77E-01	6.45E-01	6.31E-01	6.76E-03	1.07E-04
		WMN	VERT	1.00	2.01E-01	2.15E-01	2.13E-01	2.82E-03	6.14E-05
			180	1.25	5.60E-01	5.77E-01	5.73E-01	5.35E-03	1.21E-04
			090	1.00	4.62E-01	4.29E-01	4.35E-01	4.15E-03	5.96E-05
06/30/82	18:21:38	CVC	VERT	1.60	1.23E-01	1.22E-01	1.24E-01	1.68E-03	2.00E-05
			180	1.30	3.17E-01	2.83E-01	2.75E-01	5.20E-03	1.03E-04
			090	1.85	2.38E-01	2.09E-01	2.16E-01	2.49E-03	3.68E-05
		EKR	VERT	1.10	1.24E+00	1.23E+00	1.16E+00	5.00E-03	5.07E-05
			180	1.60	3.64E-01	3.70E-01	3.49E-01	2.36E-03	5.13E-05
			090	1.10	5.72E-01	5.57E-01	5.57E-01	3.72E-03	4.25E-05
		MHC	VERT	1.60	5.90E-01	5.86E-01	5.78E-01	2.81E-03	3.64E-05
			180	1.40	2.91E-01	2.93E-01	2.89E-01	2.97E-03	7.86E-05
			090	1.10	5.78E-01	6.32E-01	6.25E-01	5.97E-03	1.02E-04
06/30/82	19:31:21	CVC	VERT	1.75	1.90E-01	1.83E-01	1.83E-01	2.60E-03	3.57E-05
			180	0.90	4.90E-01	4.82E-01	4.80E-01	8.38E-03	1.71E-04
			090	1.20	3.27E-01	3.11E-01	3.17E-01	3.86E-03	6.27E-05
		EKR	VERT	1.00	4.41E-01	4.58E-01	4.32E-01	3.43E-03	5.41E-05
			180	1.50	3.67E-01	3.98E-01	3.86E-01	4.08E-03	9.54E-05
			090	1.10	4.34E-01	4.16E-01	4.21E-01	3.95E-03	5.41E-05
		HHL	VERT	1.40	2.01E-01	2.00E-01	1.91E-01	2.69E-03	6.42E-05
			180	2.35	5.34E-01	4.91E-01	5.09E-01	6.63E-03	8.41E-05
			090	1.20	9.09E-01	9.82E-01	9.68E-01	1.28E-02	2.52E-04
		WMN	VERT	1.20	2.88E-01	3.02E-01	3.11E-01	4.35E-03	9.25E-05
			180	2.00	7.09E-01	7.49E-01	7.43E-01	6.65E-03	1.48E-04
			090	1.00	3.54E-01	3.64E-01	3.69E-01	4.12E-03	7.92E-05
06/30/82	22:53:25	EKR	VERT	1.60	4.51E-01	4.52E-01	4.57E-01	2.75E-03	3.05E-05
			180	1.55	2.51E-01	2.56E-01	2.31E-01	2.31E-03	4.55E-05
			090	1.10	2.49E-01	2.29E-01	2.31E-01	2.76E-03	4.06E-05
		MHC	VERT	1.10	3.90E-01	4.26E-01	3.66E-01	2.22E-03	4.62E-05
			180	0.60	4.51E-01	4.16E-01	4.23E-01	6.24E-03	9.10E-05
			090	1.10	3.87E-01	4.29E-01	4.44E-01	4.90E-03	1.03E-04
		WMN	VERT	1.70	2.55E-01	2.61E-01	2.46E-01	2.51E-03	6.17E-05
			180	1.75	3.88E-01	3.52E-01	3.59E-01	5.73E-03	1.04E-04
			090	1.95	2.83E-01	2.74E-01	2.83E-01	2.24E-03	3.44E-05
06/30/82	22:54:23	EKR	VERT	1.60	6.24E-01	6.04E-01	5.75E-01	2.94E-03	2.99E-05
			180	1.45	2.44E-01	2.56E-01	2.40E-01	2.21E-03	3.53E-05
			090	1.45	3.19E-01	3.37E-01	3.35E-01	2.64E-03	4.11E-05
		MHC	VERT	1.60	5.06E-01	5.04E-01	4.88E-01	2.51E-03	3.17E-05
			180	0.80	4.20E-01	4.18E-01	3.93E-01	5.28E-03	7.16E-05
			090	1.25	4.18E-01	4.43E-01	4.31E-01	4.24E-03	7.79E-05
		WMN	VERT	1.60	1.93E-01	2.20E-01	2.40E-01	2.30E-03	4.50E-05
			180	2.30	3.61E-01	3.43E-01	3.52E-01	4.33E-03	7.39E-05
			090	0.90	3.20E-01	3.16E-01	3.22E-01	2.04E-03	2.72E-05

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
07/01/82	18:15:12	EKR	VERT	2.00	1.19E+00	1.17E+00	1.03E+00	4.19E-03	3.58E-05
			180	1.80	2.95E-01	2.94E-01	2.96E-01	1.82E-03	1.91E-05
			090	1.80	4.55E-01	4.46E-01	4.56E-01	2.36E-03	3.74E-05
		HHL	VERT	3.35	2.46E-01	2.58E-01	2.49E-01	2.35E-03	2.10E-05
			180	3.75	4.14E-01	3.91E-01	3.95E-01	3.84E-03	3.80E-05
			090	2.20	9.53E-01	9.68E-01	9.71E-01	8.56E-03	1.17E-04
		MHC	VERT	1.40	2.47E-01	2.57E-01	2.64E-01	1.23E-03	1.86E-05
			180	1.50	1.89E-01	2.04E-01	1.96E-01	2.18E-03	4.27E-05
			090	1.50	3.34E-01	3.25E-01	3.26E-01	3.32E-03	5.13E-05
07/02/82	18:54:38	CVC	VERT	2.00	3.17E-01	3.41E-01	3.40E-01	4.17E-03	4.92E-05
			180	0.90	9.40E-01	9.67E-01	9.59E-01	1.42E-02	2.36E-04
			090	1.30	4.52E-01	4.58E-01	4.66E-01	5.48E-03	9.11E-05
		EKR	VERT	1.50	7.59E-01	7.06E-01	6.68E-01	4.21E-03	4.13E-05
			180	1.50	5.45E-01	5.70E-01	5.80E-01	6.85E-03	1.26E-04
			090	1.10	1.10E+00	1.04E+00	1.03E+00	9.63E-03	1.70E-04
		HHL	VERT	1.50	2.22E-01	2.17E-01	2.22E-01	2.74E-03	6.48E-05
			180	1.90	4.88E-01	5.34E-01	5.24E-01	6.01E-03	8.61E-05
			090	1.45	4.86E-01	4.55E-01	4.49E-01	6.95E-03	1.66E-04
		MHC	VERT	1.25	4.42E-01	4.42E-01	4.21E-01	4.90E-03	7.04E-05
			180	0.90	8.48E-01	8.53E-01	8.50E-01	9.02E-03	1.45E-04
			090	1.10	9.83E-01	9.79E-01	1.00E+00	1.09E-02	2.58E-04
07/04/82	07:06:25	CMG	VERT	1.75	1.90E+00	1.82E+00	1.83E+00	1.51E-02	2.68E-04
			180	0.80	2.74E+00	2.73E+00	2.73E+00	2.71E-02	3.98E-04
			090	0.80	2.55E+00	2.47E+00	2.45E+00	3.30E-02	7.74E-04
		CVC	VERT	1.00	6.44E-01	6.44E-01	6.42E-01	7.88E-03	1.46E-04
			180	0.60	1.17E+00	9.98E-01	1.01E+00	2.41E-02	6.04E-04
			090	0.60	1.13E+00	1.10E+00	1.12E+00	1.49E-02	2.91E-04
		EKR	VERT	0.70	5.23E+00	5.07E+00	4.94E+00	3.07E-02	6.44E-04
			180	0.80	5.67E+00	5.87E+00	5.90E+00	4.41E-02	5.03E-04
			090	0.80	9.09E+00	9.04E+00	9.01E+00	8.55E-02	1.26E-03
		HHL	VERT	0.70	9.70E-01	9.32E-01	9.25E-01	9.46E-03	3.09E-04
			180	0.90	2.20E+00	2.13E+00	2.12E+00	2.55E-02	4.23E-04
			090	1.10	1.02E+00	9.77E-01	9.86E-01	1.31E-02	2.28E-04
		MHC	VERT	2.10	3.19E+00	3.44E+00	3.37E+00	2.15E-02	4.45E-04
			180	1.00	2.66E+00	2.88E+00	2.84E+00	3.47E-02	9.41E-04
			090	2.25	9.17E+00	9.68E+00	6.09E+00	3.82E-02	3.74E-04
		WMN	VERT	1.80	1.19E+00	1.27E+00	1.27E+00	1.35E-02	2.43E-04
			090	1.00	5.90E+00	6.20E+00	6.23E+00	6.02E-02	1.50E-03
07/04/82	22:32:30	CVC	VERT	1.00	2.57E-01	2.24E-01	2.35E-01	3.41E-03	4.86E-05
			180	0.70	5.80E-01	5.75E-01	5.72E-01	9.75E-03	1.97E-04
			090	1.35	3.56E-01	3.34E-01	3.32E-01	4.37E-03	7.75E-05
		EKR	VERT	0.90	7.13E-01	7.08E-01	7.29E-01	4.32E-03	6.44E-05
			180	0.90	6.79E-01	6.79E-01	6.92E-01	7.36E-03	1.82E-04
			090	0.70	8.99E-01	8.91E-01	8.93E-01	8.68E-03	1.50E-04
		HHL	VERT	1.20	2.37E-01	2.47E-01	2.50E-01	2.92E-03	8.22E-05
			180	1.45	7.30E-01	7.38E-01	7.28E-01	9.14E-03	1.12E-04

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel. (cm/sec^2)	SMA-1 Accel. (cm/sec^2)	Cor. Accel. (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
			090	1.70	1.30E+00	1.36E+00	1.33E+00	1.51E-02	2.78E-04
		MHC	VERT	1.50	5.81E-01	5.78E-01	5.79E-01	4.04E-03	7.34E-05
			180	1.20	5.23E-01	5.83E-01	5.79E-01	5.91E-03	1.53E-04
			090	0.80	5.82E-01	6.41E-01	6.34E-01	8.02E-03	2.51E-04
		WMN	VERT	1.70	2.90E-01	3.08E-01	2.81E-01	4.42E-03	8.69E-05
			090	2.40	5.48E-01	5.11E-01	5.27E-01	5.59E-03	7.08E-05
07/04/82	23:17:29	CMG	VERT	2.10	1.07E+00	1.10E+00	1.09E+00	6.78E-03	7.43E-05
			180	1.50	1.23E+00	1.25E+00	1.27E+00	8.52E-03	1.09E-04
			090	1.40	1.64E+00	1.65E+00	1.64E+00	1.33E-02	1.64E-04
		CVC	VERT	1.20	4.79E-01	5.21E-01	5.19E-01	5.94E-03	1.11E-04
			180	0.70	1.08E+00	9.73E-01	9.71E-01	1.94E-02	4.38E-04
			090	0.70	7.29E-01	6.86E-01	6.86E-01	1.14E-02	2.08E-04
		EKR	VERT	1.70	1.19E+00	1.19E+00	1.20E+00	7.16E-03	1.13E-04
			180	1.20	9.91E-01	1.14E+00	1.11E+00	1.19E-02	2.64E-04
			090	0.50	1.16E+00	1.14E+00	1.16E+00	1.10E-02	2.31E-04
		HHL	VERT	1.40	4.67E-01	4.83E-01	4.86E-01	5.19E-03	1.13E-04
			180	2.05	1.03E+00	1.06E+00	1.07E+00	1.12E-02	1.44E-04
			090	1.40	8.80E-01	7.78E-01	7.88E-01	1.09E-02	2.38E-04
		MHC	VERT	1.10	8.10E-01	7.67E-01	7.61E-01	6.97E-03	9.50E-05
			180	1.10	1.24E+00	1.25E+00	1.24E+00	1.19E-02	2.98E-04
			090	1.00	2.36E+00	2.53E+00	2.55E+00	3.09E-02	7.06E-04
		WMN	VERT	1.00	6.73E-01	6.57E-01	6.77E-01	5.04E-03	1.02E-04
			090	1.60	8.60E-01	8.22E-01	8.28E-01	9.96E-03	1.53E-04
07/04/82	23:21:01	CMG	VERT	2.90	8.26E-01	7.88E-01	7.85E-01	9.17E-03	1.30E-04
			180	2.40	1.60E+00	1.56E+00	1.57E+00	1.61E-02	1.66E-04
			090	0.80	9.43E+00	1.01E+01	1.01E+01	9.22E-02	1.08E-03
		CVC	VERT	1.65	2.56E-01	2.89E-01	2.82E-01	3.76E-03	6.14E-05
			180	0.70	6.70E-01	6.36E-01	6.33E-01	1.13E-02	2.75E-04
			090	1.20	5.16E-01	4.78E-01	4.86E-01	7.00E-03	1.16E-04
		EKR	VERT	0.90	9.00E-01	9.47E-01	9.45E-01	6.47E-03	1.18E-04
			180	0.65	6.35E-01	6.48E-01	6.65E-01	6.89E-03	1.64E-04
			090	0.70	8.36E-01	8.49E-01	8.42E-01	9.93E-03	2.68E-04
		HHL	VERT	1.00	1.07E+00	1.04E+00	1.05E+00	9.77E-03	2.35E-04
			180	1.10	1.79E+00	1.77E+00	1.76E+00	1.84E-02	2.07E-04
			090	1.60	1.97E+00	1.84E+00	1.86E+00	2.76E-02	3.75E-04
		MHC	VERT	1.10	8.35E-01	8.42E-01	8.77E-01	5.26E-03	8.89E-05
			180	1.00	8.71E-01	9.39E-01	9.45E-01	9.32E-03	1.26E-04
			090	1.00	1.11E+00	1.23E+00	1.22E+00	1.64E-02	4.15E-04
		WMN	VERT	1.60	2.16E-01	2.31E-01	2.19E-01	2.46E-03	6.43E-05
			090	1.00	4.84E-01	5.17E-01	5.05E-01	9.41E-03	3.04E-04
07/04/82	23:28:29	CMG	VERT	2.20	8.72E+00	8.46E+00	8.51E+00	8.58E-02	1.23E-03
			180	0.90	1.55E+01	1.53E+01	1.54E+01	1.25E-01	1.37E-03
			090	3.10	5.47E+01	5.45E+01	4.31E+01	2.49E-01	2.88E-03
		CVC	VERT	1.00	1.13E+00	1.12E+00	1.12E+00	1.20E-02	3.66E-04
			180	0.60	2.65E+00	2.79E+00	2.79E+00	4.56E-02	1.93E-03
			090	0.50	1.52E+00	1.62E+00	1.60E+00	2.19E-02	5.93E-04

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
		EKR	VERT	0.98	5.58E+00	5.40E+00	4.84E+00	3.58E-02	1.06E-03
			180	0.60	6.13E+00	5.38E+00	5.39E+00	7.21E-02	1.20E-03
			090	0.70	5.44E+00	5.52E+00	5.50E+00	8.48E-02	1.97E-03
		ENA	VERT	4.00	2.60E+00	2.60E+00	2.53E+00	2.07E-02	3.30E-04
			000	4.75	8.62E+00	8.62E+00	8.68E+00	7.12E-02	7.42E-04
			090	2.80	1.21E+01	1.21E+01	1.19E+01	1.20E-01	2.20E-03
		HHL	VERT	0.60	3.96E+00	3.99E+00	4.00E+00	4.75E-02	2.05E-03
			180	0.90	8.97E+00	9.71E+00	9.41E+00	9.81E-02	1.56E-03
			090	1.65	7.21E+00	8.00E+00	7.83E+00	1.07E-01	2.18E-03
		MHC	VERT	0.85	4.30E+00	4.23E+00	4.26E+00	2.72E-02	6.85E-04
			180	1.00	5.42E+00	5.70E+00	5.75E+00	6.42E-02	8.86E-04
			090	0.80	5.19E+00	5.93E+00	5.96E+00	7.84E-02	3.35E-03
		SDF	VERT	6.80	3.95E+00	3.95E+00	3.96E+00	2.84E-02	2.60E-04
			000	3.45	1.20E+01	1.20E+01	1.20E+01	1.18E-01	1.09E-03
			090	3.10	1.68E+01	1.68E+01	1.68E+01	1.65E-01	2.41E-03
		WMN	VERT	1.45	2.27E+00	2.27E+00	2.26E+00	2.21E-02	6.30E-04
			090	0.80	3.96E+00	3.97E+00	3.95E+00	7.73E-02	2.99E-03
07/04/82	23:31:51	EKR	VERT	1.30	4.25E-01	4.07E-01	3.40E-01	2.67E-03	3.07E-05
			180	1.10	1.61E-01	1.61E-01	1.56E-01	1.55E-03	3.20E-05
			090	1.20	2.00E-01	2.08E-01	1.77E-01	2.25E-03	5.69E-05
		HHL	VERT	1.25	2.98E-01	3.08E-01	3.06E-01	2.48E-03	4.00E-05
			180	1.70	3.19E-01	3.22E-01	3.10E-01	3.44E-03	3.61E-05
			090	1.70	3.29E-01	3.04E-01	2.99E-01	4.09E-03	5.73E-05
		MHC	VERT	2.00	2.42E-01	2.40E-01	2.75E-01	1.62E-03	1.81E-05
			180	2.60	2.39E-01	2.28E-01	2.40E-01	2.22E-03	2.13E-05
			090	1.60	4.08E-01	4.04E-01	4.27E-01	3.70E-03	6.28E-05
07/04/82	23:33:03	CMG	VERT	2.90	9.16E-01	9.07E-01	9.06E-01	8.08E-03	9.47E-05
			180	2.40	1.78E+00	1.83E+00	1.85E+00	1.33E-02	1.07E-04
			090	0.90	1.19E+01	1.15E+01	1.15E+01	9.61E-02	9.12E-04
		CVC	VERT	1.65	1.40E-01	1.52E-01	1.44E-01	1.73E-03	3.05E-05
			180	0.70	3.69E-01	3.88E-01	3.79E-01	5.59E-03	1.45E-04
			090	0.90	2.18E-01	2.36E-01	2.39E-01	3.15E-03	6.44E-05
		EKR	VERT	0.90	2.17E+00	2.10E+00	1.98E+00	1.15E-02	1.12E-04
			180	0.90	8.55E-01	8.60E-01	8.61E-01	6.02E-03	1.26E-04
			090	0.80	7.85E-01	8.42E-01	8.24E-01	7.92E-03	1.88E-04
		HHL	VERT	1.20	9.73E-01	9.70E-01	9.68E-01	7.88E-03	1.29E-04
			180	1.10	1.08E+00	1.02E+00	1.03E+00	1.13E-02	1.24E-04
			090	1.60	9.60E-01	8.99E-01	9.09E-01	1.36E-02	1.94E-04
		MHC	VERT	1.70	7.90E-01	8.21E-01	8.31E-01	5.20E-03	6.24E-05
			180	1.25	8.27E-01	7.99E-01	7.99E-01	7.77E-03	8.46E-05
			090	1.10	1.39E+00	1.41E+00	1.38E+00	1.20E-02	2.26E-04
		WMN	VERT	1.90	3.60E-01	3.31E-01	3.28E-01	3.47E-03	4.52E-05
			090	1.35	1.01E+00	9.85E-01	9.94E-01	1.07E-02	2.13E-04
07/04/82	23:34:03	EKR	VERT	0.90	5.09E-01	4.91E-01	4.57E-01	2.75E-03	3.27E-05
			180	1.50	1.97E-01	1.94E-01	1.98E-01	1.25E-03	2.87E-05
			090	1.10	2.43E-01	2.56E-01	2.56E-01	2.04E-03	4.25E-05

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
		HHL	VERT	1.60	3.18E-01	3.25E-01	3.26E-01	2.12E-03	3.71E-05
			180	1.20	3.38E-01	3.35E-01	3.37E-01	3.53E-03	3.75E-05
			090	2.60	4.04E-01	4.01E-01	4.05E-01	5.11E-03	8.77E-05
		MHC	VERT	3.00	2.13E-01	2.18E-01	2.09E-01	1.55E-03	1.75E-05
			180	2.20	3.48E-01	3.46E-01	3.36E-01	2.71E-03	3.13E-05
			090	1.60	3.01E-01	2.94E-01	2.88E-01	3.47E-03	8.18E-05
07/04/82	23:54:23	CMG	VERT	2.70	1.33E+00	1.32E+00	1.31E+00	7.00E-03	5.85E-05
			180	1.75	1.36E+00	1.35E+00	1.38E+00	8.69E-03	7.34E-05
			090	1.45	1.81E+00	1.82E+00	1.83E+00	1.53E-02	1.66E-04
		CVC	VERT	1.55	1.84E-01	1.77E-01	1.82E-01	2.07E-03	2.74E-05
			180	0.80	3.04E-01	3.20E-01	3.13E-01	4.60E-03	9.86E-05
			090	0.90	2.51E-01	2.51E-01	2.57E-01	3.44E-03	5.66E-05
		EKR	VERT	1.00	1.26E+00	1.31E+00	1.10E+00	6.20E-03	5.87E-05
			180	1.10	4.90E-01	4.61E-01	4.61E-01	5.59E-03	1.07E-04
			090	1.10	7.08E-01	6.55E-01	6.46E-01	6.28E-03	7.26E-05
		HHL	VERT	1.15	2.92E-01	2.94E-01	2.99E-01	2.32E-03	6.30E-05
			180	1.35	5.09E-01	5.00E-01	5.05E-01	6.18E-03	7.81E-05
			090	2.00	3.66E-01	4.19E-01	3.94E-01	6.08E-03	8.44E-05
		MHC	VERT	1.85	6.98E-01	6.66E-01	6.57E-01	4.12E-03	4.55E-05
			180	1.45	5.54E-01	5.53E-01	5.67E-01	4.65E-03	5.83E-05
			090	1.60	7.81E-01	7.92E-01	7.93E-01	7.90E-03	1.09E-04
		WMN	VERT	5.50	4.65E-01	4.58E-01	4.37E-01	2.29E-03	2.29E-05
			090	1.25	3.96E-01	3.55E-01	3.70E-01	4.85E-03	1.03E-04
07/05/82	00:35:20	EKR	VERT	1.60	1.04E+00	9.95E-01	8.48E-01	4.84E-03	4.53E-05
			180	1.50	2.98E-01	3.20E-01	3.37E-01	2.24E-03	3.48E-05
			090	1.30	3.54E-01	3.71E-01	3.64E-01	2.91E-03	6.69E-05
		HHL	VERT	1.45	4.88E-01	5.14E-01	5.15E-01	3.78E-03	4.85E-05
			180	1.75	3.94E-01	3.93E-01	4.04E-01	4.33E-03	4.71E-05
			090	1.80	3.87E-01	3.42E-01	3.47E-01	5.58E-03	8.41E-05
		MHC	VERT	1.70	5.26E-01	5.09E-01	4.93E-01	2.72E-03	2.79E-05
			180	2.40	3.51E-01	3.50E-01	3.51E-01	2.91E-03	2.88E-05
			090	1.50	7.74E-01	8.00E-01	7.84E-01	5.58E-03	9.48E-05
07/05/82	00:39:57	EKR	VERT	1.40	6.85E-01	6.27E-01	5.97E-01	4.13E-03	4.28E-05
			180	1.20	2.28E-01	2.44E-01	2.44E-01	2.85E-03	4.99E-05
			090	1.25	2.59E-01	2.56E-01	2.65E-01	3.80E-03	1.00E-04
		HHL	VERT	1.10	4.11E-01	4.05E-01	4.21E-01	3.13E-03	5.53E-05
			180	1.80	3.56E-01	3.44E-01	3.30E-01	3.75E-03	4.61E-05
			090	1.60	2.45E-01	2.77E-01	2.75E-01	4.13E-03	6.82E-05
		MHC	VERT	2.00	4.24E-01	4.14E-01	4.04E-01	2.36E-03	2.43E-05
			180	1.60	2.19E-01	2.22E-01	2.17E-01	2.07E-03	2.21E-05
			090	0.90	3.66E-01	3.30E-01	3.31E-01	4.58E-03	8.51E-05
07/05/82	00:43:13	CMG	VERT	1.40	6.72E-01	7.03E-01	6.83E-01	6.81E-03	1.30E-04
			180	2.25	1.17E+00	1.25E+00	1.24E+00	1.02E-02	1.08E-04
			090	0.90	7.93E+00	7.48E+00	7.48E+00	7.03E-02	8.24E-04
		CVC	VERT	1.60	2.27E-01	2.20E-01	2.21E-01	2.90E-03	4.32E-05
			180	1.10	4.68E-01	4.34E-01	4.49E-01	7.20E-03	1.82E-04

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
			090	2.00	3.69E-01	4.11E-01	4.01E-01	4.94E-03	8.22E-05
		EKR	VERT	1.10	2.45E+00	2.37E+00	2.13E+00	1.20E-02	1.44E-04
			180	0.60	9.40E-01	9.20E-01	9.49E-01	9.31E-03	1.73E-04
			090	0.80	9.31E-01	9.10E-01	9.16E-01	1.18E-02	2.62E-04
		HHL	VERT	1.10	1.14E+00	1.19E+00	1.21E+00	1.01E-02	1.61E-04
			180	1.45	1.38E+00	1.34E+00	1.32E+00	1.44E-02	1.77E-04
			090	1.55	1.25E+00	1.20E+00	1.20E+00	1.64E-02	2.00E-04
		MHC	VERT	1.35	9.06E-01	8.73E-01	8.80E-01	5.84E-03	6.88E-05
			180	1.35	9.63E-01	9.53E-01	9.49E-01	7.67E-03	7.39E-05
			090	0.90	1.48E+00	1.38E+00	1.36E+00	1.57E-02	3.01E-04
		WMN	VERT	1.55	3.38E-01	3.57E-01	3.85E-01	2.97E-03	5.40E-05
			090	1.00	1.00E+00	9.22E-01	9.28E-01	1.22E-02	2.56E-04
07/05/82	00:43:31	CMG	VERT	1.35	3.01E-01	2.83E-01	2.82E-01	3.25E-03	6.37E-05
			180	4.25	9.82E-01	9.57E-01	9.72E-01	9.31E-03	8.75E-05
			090	1.40	2.93E+00	2.97E+00	2.97E+00	2.53E-02	2.66E-04
		EKR	VERT	1.10	8.69E-01	8.19E-01	7.55E-01	4.60E-03	4.24E-05
			180	1.60	3.63E-01	3.36E-01	3.50E-01	3.54E-03	5.13E-05
			090	1.30	4.42E-01	4.64E-01	4.41E-01	4.16E-03	5.77E-05
		HHL	VERT	1.35	3.19E-01	3.15E-01	3.17E-01	2.48E-03	4.45E-05
			180	1.75	4.48E-01	4.40E-01	4.59E-01	5.07E-03	6.38E-05
			090	1.60	4.62E-01	4.99E-01	4.93E-01	5.83E-03	6.87E-05
		MHC	VERT	2.80	2.93E-01	2.84E-01	3.09E-01	1.79E-03	2.03E-05
			180	1.60	4.81E-01	5.14E-01	5.06E-01	4.79E-03	4.46E-05
			090	1.25	7.22E-01	7.20E-01	7.27E-01	7.66E-03	1.36E-04
07/05/82	00:45:35	EKR	VERT	1.00	8.76E-01	8.32E-01	7.85E-01	4.97E-03	5.28E-05
			180	1.70	3.42E-01	3.37E-01	3.62E-01	3.14E-03	5.54E-05
			090	1.35	3.57E-01	3.77E-01	3.70E-01	4.08E-03	8.30E-05
		HHL	VERT	1.25	4.32E-01	4.42E-01	4.44E-01	3.81E-03	4.65E-05
			180	2.20	3.14E-01	3.01E-01	2.93E-01	3.12E-03	3.37E-05
			090	1.80	4.49E-01	4.15E-01	4.12E-01	4.93E-03	7.28E-05
		MHC	VERT	1.75	5.97E-01	6.09E-01	5.88E-01	2.90E-03	3.32E-05
			180	1.35	2.05E-01	2.00E-01	1.96E-01	2.01E-03	2.47E-05
			090	1.50	3.71E-01	3.52E-01	3.39E-01	3.44E-03	5.43E-05
07/05/82	00:52:16	CMG	VERT	3.00	8.27E-01	7.89E-01	8.12E-01	7.55E-03	6.82E-05
			180	2.70	1.37E+00	1.34E+00	1.36E+00	8.80E-03	7.80E-05
			090	1.25	9.85E+00	9.80E+00	9.81E+00	8.19E-02	7.37E-04
		CVC	VERT	1.80	1.55E-01	1.75E-01	1.66E-01	1.83E-03	3.27E-05
			180	0.80	4.02E-01	3.76E-01	3.67E-01	5.97E-03	1.53E-04
			090	0.80	2.58E-01	2.79E-01	2.69E-01	3.45E-03	7.09E-05
		EKR	VERT	1.10	1.66E+00	1.73E+00	1.73E+00	1.02E-02	1.07E-04
			180	0.80	6.98E-01	7.16E-01	7.11E-01	6.26E-03	1.24E-04
			090	0.80	7.64E-01	7.94E-01	7.76E-01	8.42E-03	1.81E-04
		HHL	VERT	1.25	1.19E+00	1.26E+00	1.25E+00	1.01E-02	1.07E-04
			180	1.25	8.56E-01	8.57E-01	8.55E-01	9.01E-03	9.37E-05
			090	1.60	8.77E-01	8.12E-01	8.13E-01	1.11E-02	1.80E-04
		MHC	VERT	1.80	1.49E+00	1.51E+00	1.46E+00	6.42E-03	7.34E-05

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
			180	1.50	5.92E-01	6.07E-01	6.00E-01	4.91E-03	5.50E-05
			090	1.25	1.43E+00	1.40E+00	1.42E+00	1.11E-02	1.59E-04
		WMN	VERT	3.10	4.16E-01	4.10E-01	4.12E-01	3.44E-03	3.41E-05
			090	1.10	1.21E+00	1.21E+00	1.21E+00	1.13E-02	2.17E-04
07/05/82	01:45:53	CVC	VERT	1.45	2.25E-01	2.10E-01	2.18E-01	2.70E-03	3.66E-05
			180	0.80	5.03E-01	4.83E-01	4.24E-01	6.58E-03	1.54E-04
			090	1.60	3.55E-01	3.66E-01	3.60E-01	4.50E-03	6.96E-05
		EKR	VERT	1.10	1.27E+00	1.31E+00	1.09E+00	6.62E-03	5.74E-05
			180	1.45	5.33E-01	5.44E-01	5.60E-01	4.77E-03	4.28E-05
			090	0.60	4.72E-01	5.27E-01	5.47E-01	5.68E-03	1.03E-04
		HHL	VERT	1.25	2.42E-01	2.55E-01	2.51E-01	2.82E-03	9.97E-05
			180	0.90	7.32E-01	7.32E-01	7.39E-01	8.17E-03	1.07E-04
			090	1.75	6.94E-01	6.75E-01	6.72E-01	1.04E-02	1.71E-04
		MHC	VERT	1.60	5.51E-01	5.38E-01	5.31E-01	3.05E-03	3.91E-05
			180	1.00	2.67E-01	2.88E-01	2.79E-01	3.26E-03	6.17E-05
			090	1.15	7.70E-01	7.88E-01	7.88E-01	8.77E-03	1.63E-04
		WMN	VERT	4.30	3.06E-01	3.27E-01	3.28E-01	2.89E-03	2.44E-05
			090	1.25	4.72E-01	4.87E-01	4.81E-01	5.54E-03	1.58E-04
07/05/82	01:52:37	CMG	VERT	2.65	3.11E-01	2.95E-01	3.03E-01	3.12E-03	5.48E-05
			180	1.80	5.67E-01	5.34E-01	5.41E-01	4.75E-03	4.35E-05
			090	1.10	3.73E+00	3.86E+00	3.84E+00	3.13E-02	2.93E-04
		EKR	VERT	1.10	9.11E-01	9.39E-01	8.59E-01	4.96E-03	5.13E-05
			180	1.85	3.93E-01	3.70E-01	3.78E-01	3.31E-03	2.68E-05
			090	1.10	3.98E-01	3.97E-01	4.08E-01	3.40E-03	4.10E-05
		MHC	VERT	1.10	3.89E-01	3.67E-01	3.69E-01	2.50E-03	2.85E-05
			180	1.15	3.85E-01	3.71E-01	3.70E-01	3.52E-03	4.11E-05
			090	1.30	8.10E-01	8.69E-01	8.36E-01	8.14E-03	1.56E-04
07/05/82	02:59:19	CMG	VERT	2.90	1.42E+00	1.45E+00	1.47E+00	7.32E-03	8.54E-05
			180	2.00	1.57E+00	1.59E+00	1.60E+00	1.18E-02	1.05E-04
			090	1.35	5.27E+00	5.58E+00	5.56E+00	4.55E-02	6.08E-04
		CVC	VERT	1.55	2.33E-01	2.61E-01	2.58E-01	2.73E-03	4.15E-05
			180	0.90	5.83E-01	5.96E-01	5.94E-01	8.44E-03	2.14E-04
			090	1.55	3.30E-01	3.03E-01	3.08E-01	4.10E-03	6.64E-05
		EKR	VERT	1.10	3.00E+00	2.88E+00	2.96E+00	1.67E-02	1.73E-04
			180	1.00	1.16E+00	1.15E+00	1.18E+00	9.67E-03	1.59E-04
			090	0.60	1.25E+00	1.32E+00	1.28E+00	1.15E-02	2.33E-04
		MHC	VERT	1.20	9.60E-01	9.53E-01	9.58E-01	6.23E-03	9.46E-05
			180	1.50	7.50E-01	7.75E-01	7.57E-01	6.51E-03	1.19E-04
			090	1.10	1.73E+00	1.78E+00	1.78E+00	1.60E-02	2.96E-04
		WMN	VERT	1.65	5.91E-01	5.65E-01	5.65E-01	7.08E-03	1.13E-04
			090	1.10	1.30E+00	1.29E+00	1.28E+00	1.13E-02	2.35E-04
07/05/82	03:05:10	CVC	VERT	1.80	2.83E-01	3.06E-01	2.98E-01	3.47E-03	5.59E-05
			180	0.80	7.25E-01	7.09E-01	6.92E-01	1.18E-02	2.19E-04
			090	1.10	4.21E-01	4.47E-01	4.45E-01	6.15E-03	9.48E-05
		EKR	VERT	1.60	8.54E-01	8.80E-01	8.67E-01	5.32E-03	6.78E-05
			180	1.25	9.76E-01	9.51E-01	9.91E-01	9.22E-03	1.64E-04

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel. (cm/sec^2)	SMA-1 Accel. (cm/sec^2)	Cor. Accel. (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
			090	1.25	8.77E-01	8.81E-01	8.83E-01	9.76E-03	1.42E-04
		MHC	VERT	0.90	1.07E+00	1.10E+00	1.08E+00	6.77E-03	7.94E-05
			180	1.10	8.96E-01	9.23E-01	9.14E-01	8.45E-03	1.51E-04
			090	1.00	8.25E-01	9.42E-01	9.41E-01	1.11E-02	3.00E-04
		WMN	VERT	3.40	2.87E-01	2.94E-01	2.77E-01	3.19E-03	5.68E-05
			090	3.50	4.39E-01	4.72E-01	4.32E-01	4.78E-03	7.61E-05
07/05/82	03:07:45	CMG	VERT	1.05	4.76E+00	4.66E+00	4.62E+00	2.89E-02	5.33E-04
			180	0.60	6.66E+00	6.78E+00	6.78E+00	5.15E-02	1.68E-03
			090	0.85	7.52E+00	7.27E+00	7.27E+00	9.33E-02	2.08E-03
		CVC	VERT	0.70	2.70E+00	2.48E+00	2.44E+00	4.35E-02	7.24E-04
			180	1.30	7.65E+00	6.98E+00	7.00E+00	1.35E-01	3.07E-03
			090	0.60	4.75E+00	4.60E+00	4.58E+00	5.59E-02	1.24E-03
		EKR	VERT	0.60	6.87E+00	6.53E+00	6.54E+00	4.01E-02	1.12E-03
			180	0.80	5.29E+00	5.09E+00	5.08E+00	5.61E-02	1.91E-03
			090	0.90	6.33E+00	6.52E+00	6.52E+00	7.54E-02	1.31E-03
		ENA	VERT	6.00	1.57E+01	1.57E+01	1.49E+01	7.18E-02	4.04E-04
			000	5.50	4.94E+00	4.94E+00	4.68E+00	2.48E-02	3.33E-04
			090	5.50	7.18E+00	7.18E+00	7.26E+00	7.48E-02	8.69E-04
		MHC	VERT	0.80	6.31E+00	6.94E+00	6.97E+00	6.62E-02	1.74E-03
			180	0.60	6.37E+00	6.82E+00	6.87E+00	6.61E-02	2.62E-03
			090	0.50	7.06E+00	6.86E+00	6.75E+00	1.21E-01	4.63E-03
		SDF	VERT	1.60	1.05E+01	1.05E+01	1.03E+01	7.02E-02	9.25E-04
			000	1.25	1.36E+01	1.36E+01	1.35E+01	1.60E-01	3.55E-03
			090	1.60	1.51E+01	1.51E+01	1.51E+01	1.64E-01	3.38E-03
		WMN	VERT	1.75	3.35E+00	3.78E+00	3.75E+00	4.44E-02	1.14E-03
			090	0.50	3.70E+00	3.87E+00	3.88E+00	3.78E-02	1.26E-03
07/05/82	03:55:51	CMG	VERT	1.70	6.96E-01	7.48E-01	7.19E-01	6.78E-03	1.19E-04
			180	0.90	1.10E+00	1.18E+00	1.16E+00	1.32E-02	2.51E-04
			090	1.40	2.41E+00	2.53E+00	2.53E+00	1.71E-02	2.90E-04
		CVC	VERT	1.15	4.08E-01	4.19E-01	4.20E-01	5.20E-03	1.21E-04
			180	0.80	1.11E+00	1.26E+00	1.27E+00	2.36E-02	6.69E-04
			090	1.15	5.75E-01	6.09E-01	6.07E-01	9.58E-03	2.05E-04
		EKR	VERT	1.00	2.01E+00	2.15E+00	2.05E+00	1.11E-02	2.24E-04
			180	1.75	7.31E-01	7.01E-01	6.62E-01	5.69E-03	7.54E-05
			090	1.00	9.60E-01	9.50E-01	9.46E-01	8.74E-03	2.00E-04
		SDF	VERT	8.60	2.24E+00	2.24E+00	2.23E+00	9.70E-03	5.60E-05
			000	2.85	2.06E+00	2.06E+00	2.06E+00	1.85E-02	4.33E-04
			090	4.50	2.33E+00	2.33E+00	2.19E+00	2.31E-02	3.28E-04
		WMN	VERT	1.25	7.26E-01	6.64E-01	6.79E-01	1.13E-02	2.65E-04
			090	0.70	1.03E+00	9.96E-01	9.79E-01	1.24E-02	3.87E-04
07/05/82	04:01:36	CMG	VERT	1.45	1.58E+00	1.55E+00	1.54E+00	1.01E-02	1.54E-04
			180	1.50	1.76E+00	1.80E+00	1.81E+00	1.55E-02	2.51E-04
			090	1.65	2.19E+00	2.19E+00	2.18E+00	1.97E-02	4.12E-04
		CVC	VERT	1.45	6.79E-01	6.18E-01	6.09E-01	7.46E-03	1.08E-04
			180	0.70	1.33E+00	1.55E+00	1.56E+00	2.45E-02	6.03E-04
			090	1.40	8.49E-01	8.49E-01	8.47E-01	1.00E-02	1.91E-04

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
		EKR	VERT	0.70	2.42E+00	2.42E+00	2.28E+00	1.21E-02	2.21E-04
			180	0.70	1.52E+00	1.53E+00	1.49E+00	2.04E-02	5.04E-04
			090	0.60	2.13E+00	2.17E+00	2.17E+00	1.90E-02	3.96E-04
		ENA	VERT	5.10	4.58E+00	4.58E+00	4.48E+00	2.28E-02	2.65E-04
			000	3.20	1.08E+00	1.08E+00	9.74E-01	6.96E-03	1.26E-04
			090	3.00	2.24E+00	2.24E+00	2.23E+00	2.58E-02	4.87E-04
		SDF	VERT	3.50	3.05E+00	3.05E+00	2.96E+00	1.72E-02	2.48E-04
			000	2.65	2.96E+00	2.96E+00	2.98E+00	3.27E-02	5.33E-04
			090	2.10	3.77E+00	3.77E+00	3.75E+00	4.36E-02	8.13E-04
		WMN	VERT	1.65	9.10E-01	8.90E-01	9.02E-01	1.40E-02	3.25E-04
			090	1.10	1.49E+00	1.52E+00	1.51E+00	1.35E-02	2.31E-04
07/05/82	04:13:51	ENA	VERT	1.35	3.08E+01	3.08E+01	2.99E+01	2.27E-01	9.60E-03
			000	1.40	3.43E+01	3.43E+01	3.45E+01	5.11E-01	1.53E-02
			090	1.00	9.63E+01	9.63E+01	9.61E+01	1.22E+00	5.57E-02
		MUD	VERT	0.40	3.55E+01	3.55E+01	3.42E+01	3.98E-01	3.53E-02
			000	0.50	5.55E+01	5.55E+01	5.55E+01	9.45E-01	4.48E-02
			090	0.60	1.08E+02	1.08E+02	1.08E+02	1.64E+00	6.00E-02
		SDF	VERT	1.50	4.03E+01	4.03E+01	3.90E+01	3.81E-01	6.04E-03
			000	1.70	1.85E+02	1.85E+02	1.90E+02	2.23E+00	4.16E-02
			090	5.75	1.85E+02	1.85E+02	2.03E+02	2.53E+00	3.12E-02
		WMN	VERT	0.80	1.43E+01	1.41E+01	1.43E+01	1.78E-01	7.00E-03
			090	0.80	1.91E+01	1.83E+01	1.79E+01	3.23E-01	1.41E-02
07/05/82	04:14:52	CMG	VERT	1.50	1.01E+00	1.03E+00	1.02E+00	9.96E-03	1.73E-04
			180	1.75	3.37E+00	3.67E+00	3.66E+00	4.04E-02	5.80E-04
			090	1.35	4.11E+00	4.30E+00	4.30E+00	3.45E-02	7.08E-04
		CVC	VERT	1.55	7.66E-01	7.57E-01	7.64E-01	8.41E-03	1.20E-04
			180	0.80	1.75E+00	1.53E+00	1.53E+00	2.91E-02	7.09E-04
			090	1.15	7.43E-01	7.47E-01	7.43E-01	1.21E-02	2.61E-04
		EKR	VERT	0.80	1.33E+00	1.28E+00	1.21E+00	8.65E-03	2.56E-04
			180	0.60	2.19E+00	2.35E+00	2.33E+00	2.95E-02	9.29E-04
			090	0.50	2.00E+00	2.01E+00	1.99E+00	2.99E-02	5.91E-04
		ENA	VERT	3.00	4.22E+00	4.22E+00	3.72E+00	1.79E-02	3.78E-04
			000	2.00	2.06E+00	2.06E+00	2.14E+00	1.77E-02	5.80E-04
			090	1.80	4.31E+00	4.31E+00	4.22E+00	3.89E-02	1.00E-03
		SDF	VERT	4.00	2.78E+00	2.78E+00	2.74E+00	1.81E-02	2.58E-04
			000	1.40	4.67E+00	4.67E+00	4.61E+00	5.92E-02	1.23E-03
			090	2.80	5.83E+00	5.83E+00	5.78E+00	5.73E-02	9.86E-04
		WMN	VERT	1.20	6.75E-01	7.41E-01	7.47E-01	1.00E-02	2.73E-04
			090	0.80	7.91E-01	8.17E-01	8.22E-01	8.91E-03	1.70E-04
07/05/82	04:15:00	CMG	VERT	1.10	5.83E-01	5.83E-01	5.73E-01	6.88E-03	1.78E-04
			180	1.55	1.23E+00	1.27E+00	1.26E+00	1.11E-02	2.86E-04
			090	0.70	1.85E+00	1.85E+00	1.86E+00	2.04E-02	4.28E-04
		WMN	VERT	0.60	1.64E+00	1.67E+00	1.50E+00	1.94E-02	6.39E-04
			090	0.90	1.33E+00	1.38E+00	1.40E+00	1.47E-02	5.23E-04
07/05/82	05:02:20	CMG	VERT	1.80	5.15E-01	5.60E-01	5.48E-01	5.63E-03	1.11E-04
			180	1.35	1.29E+00	1.27E+00	1.27E+00	1.18E-02	2.88E-04

TABLE 4 (Continued)

Date (UTC)	Time (UTC)	Sta.	Comp.	f_h (Hz)	Uncor. Accel, (cm/sec^2)	SMA-1 Accel, (cm/sec^2)	Cor. Accel, (cm/sec^2)	Cor. Vel. (cm/sec)	Cor. Disp. (cm)
			090	1.25	1.90E+00	1.92E+00	1.91E+00	1.56E-02	3.19E-04
		CVC	VERT	1.40	4.10E-01	4.12E-01	4.04E-01	3.20E-03	6.60E-05
			180	0.70	7.53E-01	7.08E-01	7.13E-01	1.40E-02	4.30E-04
			090	1.25	3.11E-01	2.71E-01	2.78E-01	4.71E-03	1.11E-04
		WMN	VERT	1.70	9.85E-01	9.63E-01	9.37E-01	1.29E-02	3.00E-04
			090	0.90	9.29E-01	9.23E-01	9.11E-01	7.49E-03	1.51E-04
07/05/82	05:11:38	CVC	VERT	1.25	5.14E-01	4.84E-01	4.80E-01	5.74E-03	7.33E-05
			180	1.00	1.07E+00	9.61E-01	9.47E-01	1.75E-02	3.41E-04
			090	1.55	7.55E-01	7.18E-01	6.95E-01	8.86E-03	1.23E-04
		SDF	VERT	11.0	2.69E+00	2.69E+00	2.58E+00	9.29E-03	4.82E-05
			000	5.40	1.44E+00	1.44E+00	1.44E+00	1.18E-02	1.20E-04
		WMN	VERT	1.40	5.47E-01	5.95E-01	5.91E-01	5.16E-03	1.06E-04
			090	1.10	4.56E-01	5.05E-01	5.11E-01	5.72E-03	1.55E-04
07/05/82	05:36:41	CMG	VERT	1.50	1.29E+00	1.42E+00	1.38E+00	9.18E-03	2.10E-04
			180	1.70	1.19E+00	1.26E+00	1.24E+00	1.13E-02	1.80E-04
			090	1.00	4.23E+00	4.20E+00	4.20E+00	5.39E-02	7.94E-04
		CVC	VERT	1.75	6.98E-01	6.44E-01	6.48E-01	8.76E-03	1.28E-04
			180	0.80	1.36E+00	1.28E+00	1.26E+00	2.30E-02	5.93E-04
			090	1.50	1.06E+00	1.06E+00	1.07E+00	1.39E-02	2.40E-04
		WMN	VERT	1.20	6.32E-01	7.21E-01	7.12E-01	8.95E-03	1.63E-04
			090	0.80	1.18E+00	1.23E+00	1.22E+00	2.24E-02	6.99E-04
07/05/82	08:27:49	CMG	VERT	1.80	1.85E+00	1.82E+00	1.81E+00	1.03E-02	1.84E-04
			180	1.45	1.35E+00	1.41E+00	1.41E+00	1.84E-02	4.03E-04
			090	0.90	1.73E+00	1.72E+00	1.73E+00	1.54E-02	1.93E-04
		CVC	VERT	1.25	7.49E-01	7.76E-01	7.61E-01	1.13E-02	2.18E-04
			180	0.50	2.37E+00	2.30E+00	2.31E+00	4.37E-02	1.14E-03
			090	0.90	1.15E+00	1.24E+00	1.25E+00	1.94E-02	4.15E-04
		WMN	VERT	1.65	1.29E+00	1.44E+00	1.36E+00	1.99E-02	4.39E-04
			090	0.80	1.77E+00	1.66E+00	1.65E+00	2.52E-02	5.64E-04
07/05/82	08:31:11	CMG	VERT	2.25	1.26E+00	1.30E+00	1.28E+00	6.28E-03	6.92E-05
			180	1.35	1.46E+00	1.51E+00	1.51E+00	1.11E-02	1.51E-04
			090	2.00	1.60E+00	1.46E+00	1.46E+00	1.30E-02	1.51E-04
		CVC	VERT	1.65	2.28E-01	2.20E-01	2.19E-01	2.71E-03	3.61E-05
			180	0.70	5.03E-01	4.90E-01	4.90E-01	9.16E-03	2.11E-04
			090	2.00	2.96E-01	2.89E-01	2.90E-01	4.01E-03	5.63E-05
		WMN	VERT	1.40	3.88E-01	3.66E-01	3.83E-01	4.50E-03	9.70E-05
			090	1.75	7.42E-01	7.02E-01	6.86E-01	6.16E-03	9.43E-05

Table 5

Statistics of Peak Ground-Motion Parameters

Parameter	no. of records	mean	median	std. dev.	minimum	maximum
Vertical Component/Average Horizontal Component						
Uncorrected Acceleration	192	0.92	0.71	0.67	0.13	3.19
SMA-1 Acceleration	192	0.92	0.70	0.66	0.13	3.16
Corrected Acceleration	192	0.90	0.72	0.62	0.14	2.80
Uncorrected Velocity	174	0.64	0.50	0.40	0.14	2.16
Corrected Velocity	192	0.61	0.49	0.37	0.15	2.01
Corrected Displacement	192	0.53	0.45	1.30	0.092	2.05
Largest Horizontal Component/Smallest Horizontal Component						
Uncorrected Acceleration	192	1.65	1.41	0.96	1.00	7.19
SMA-1 Acceleration	192	1.65	1.37	0.97	1.00	7.31
Corrected Acceleration	192	1.64	1.37	0.95	1.00	7.21
Uncorrected Velocity	174	1.75	1.49	1.10	1.00	8.74
Corrected Velocity	192	1.78	1.50	1.07	1.01	9.31
Corrected Displacement	192	2.21	1.87	1.25	1.00	9.45
Vertical Components						
SMA-1 Accel./Unc. Accel.	223	1.01	1.00	0.053	0.84	1.14
Cor. Accel./SMA-1 Accel.	223	0.98	0.99	0.054	0.54	1.15
Cor. Accel./Unc. Accel.	223	0.99	0.99	0.072	0.55	1.24
Cor. Vel./Unc. Vel.	202	1.03	1.02	0.12	0.75	1.40
Cor. Vel./Cor. Accel.	223	0.0089	0.0084	0.0034	0.0036	0.021
Cor. Disp./Cor. Vel.	223	0.018	0.016	0.0093	0.0052	0.089
$A \cdot D/V^2$	223	2.11	1.91	0.95	0.79	7.62
Horizontal Components						
SMA-1 Accel./Unc. Accel.	192	1.00	1.00	0.047	0.87	1.18
Cor. Accel./SMA-1 Accel.	192	0.99	1.00	0.037	0.71	1.06
Cor. Accel./Unc. Accel.	192	1.00	1.00	0.057	0.75	1.14
Cor. Vel./Unc. Vel.	174	1.04	1.04	0.091	0.81	1.28
Cor. Vel./Cor. Accel.	192	0.011	0.011	0.0030	0.0056	0.021
Cor. Disp./Cor. Vel.	192	0.019	0.018	0.0062	0.0086	0.045
$A \cdot D/V^2$	192	1.69	1.60	0.47	0.97	3.14

Note: A = peak corrected acceleration; V = peak corrected velocity; D = peak corrected displacement.

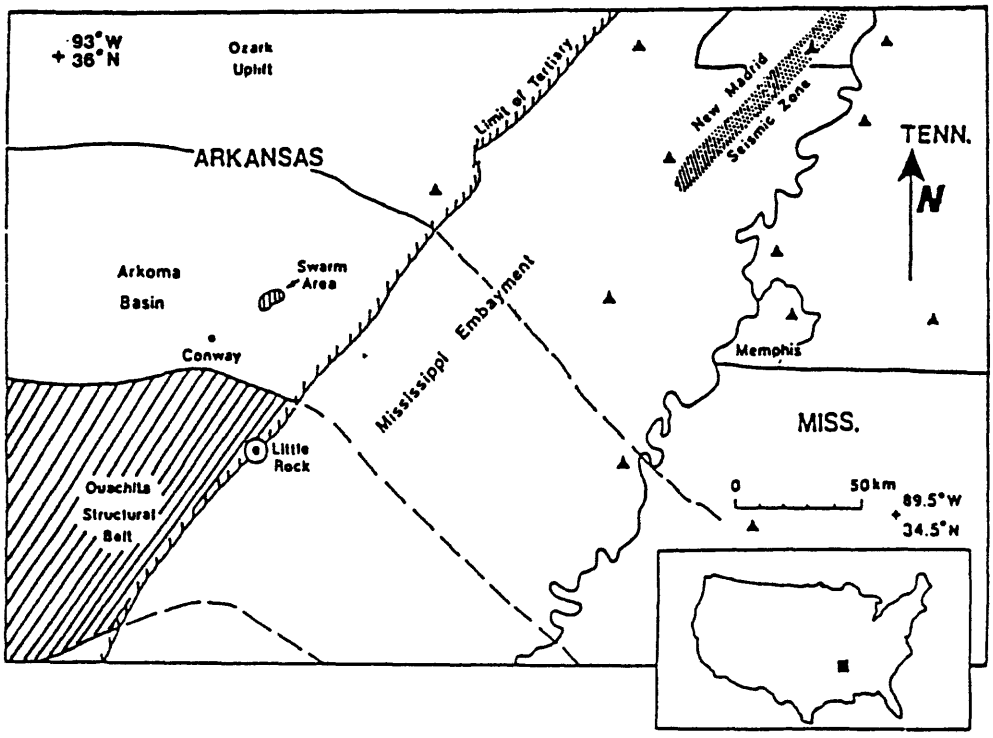


Figure 1. Geographical and geological setting of the Arkansas earthquake swarm (Chiu *et al.*, 1984). Only major geological provinces are shown. The triangles represent permanent seismic stations operated by the Tennessee Earthquake Information Center or Saint Louis University.

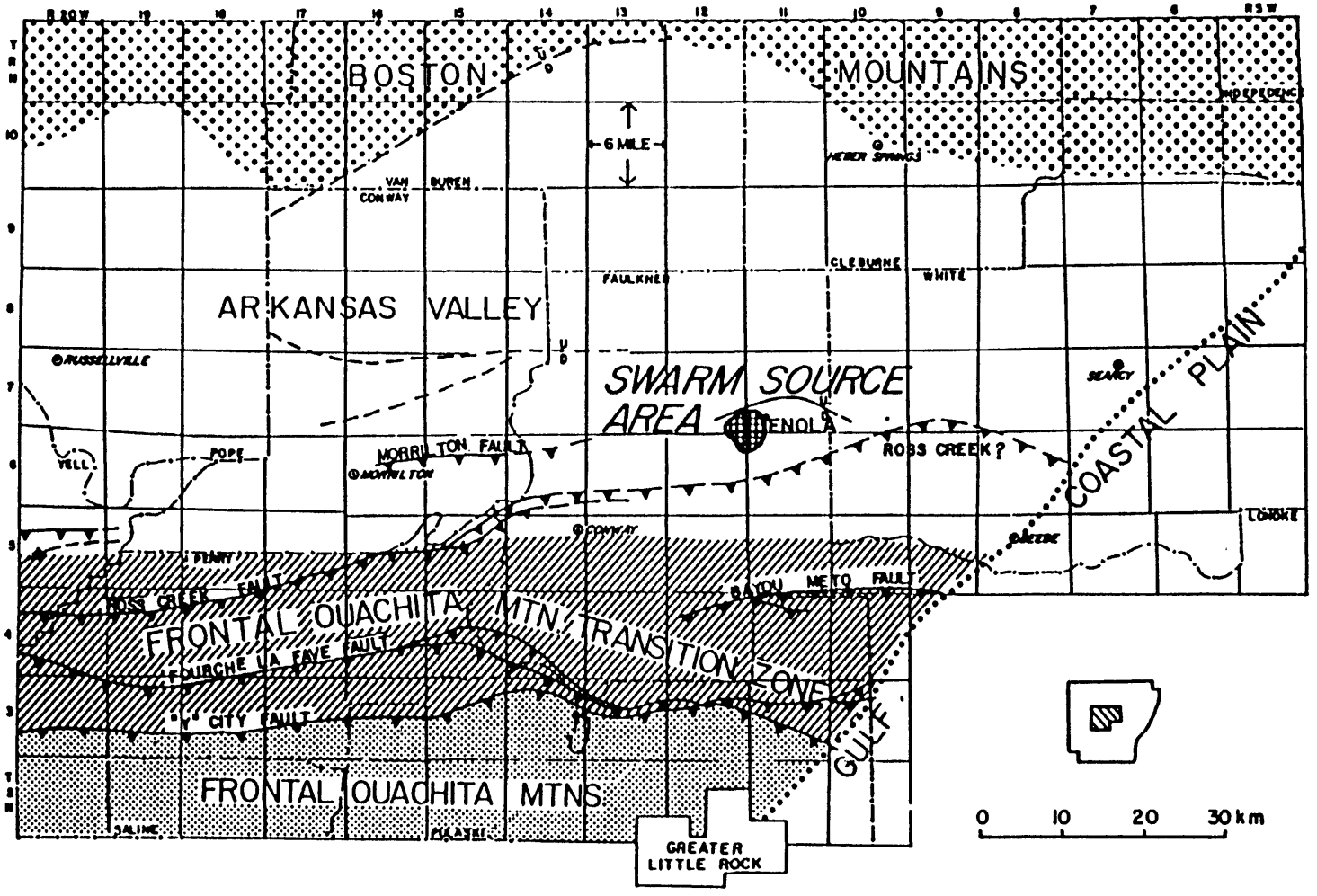


Figure 2. Tectonic/structural setting of the Arkansas earthquake swarm (Chiu *et al.*, 1984; modified from Stone, 1968). The normal fault just north of the swarm area is subsurface, taken from seismic reflection profiles. Faults of the Transition Zone are thrust faults with symbols on the hanging wall.

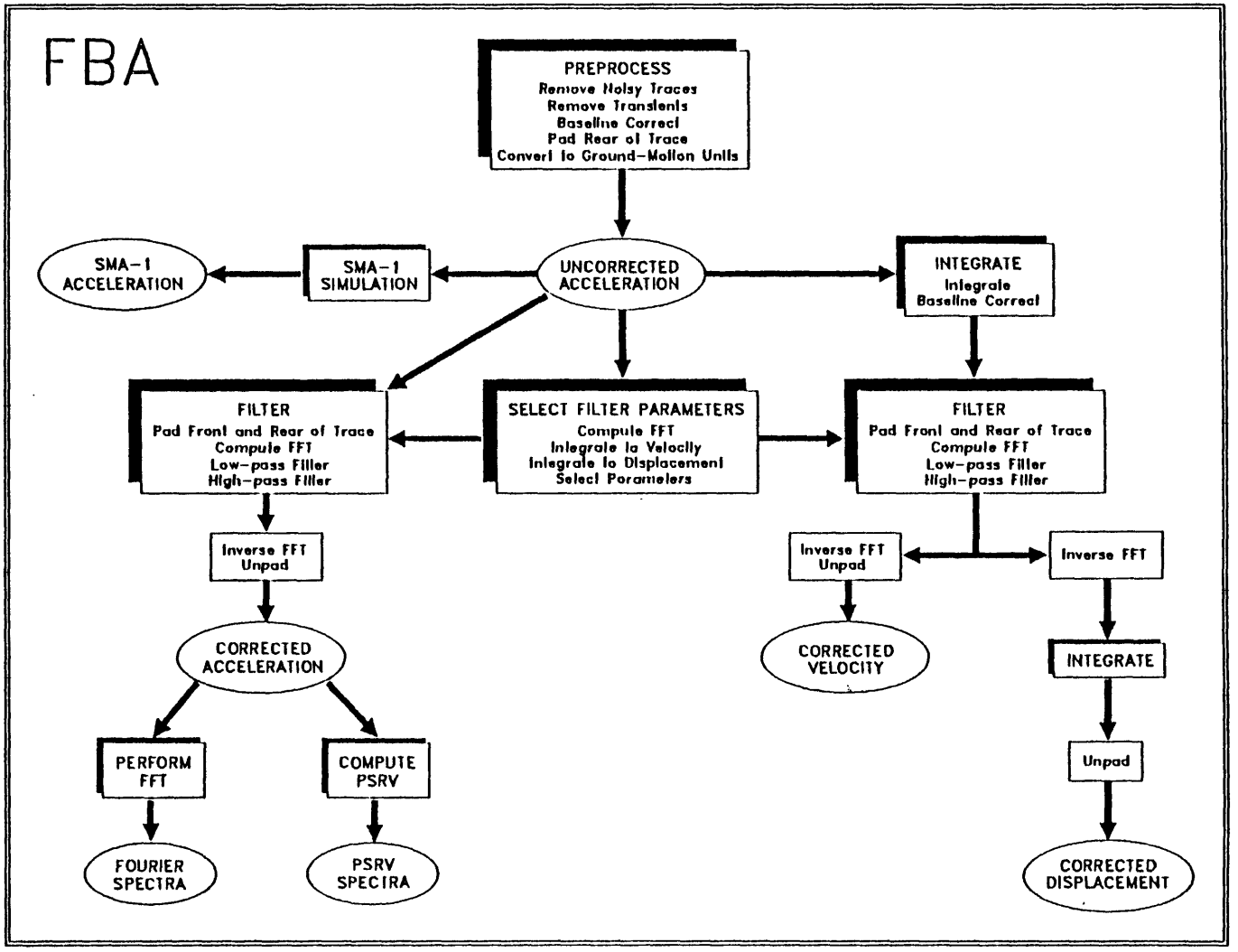


Figure 3. Flowchart showing the computational steps used to process digital FBA recordings of the 1982 Arkansas earthquake swarm.

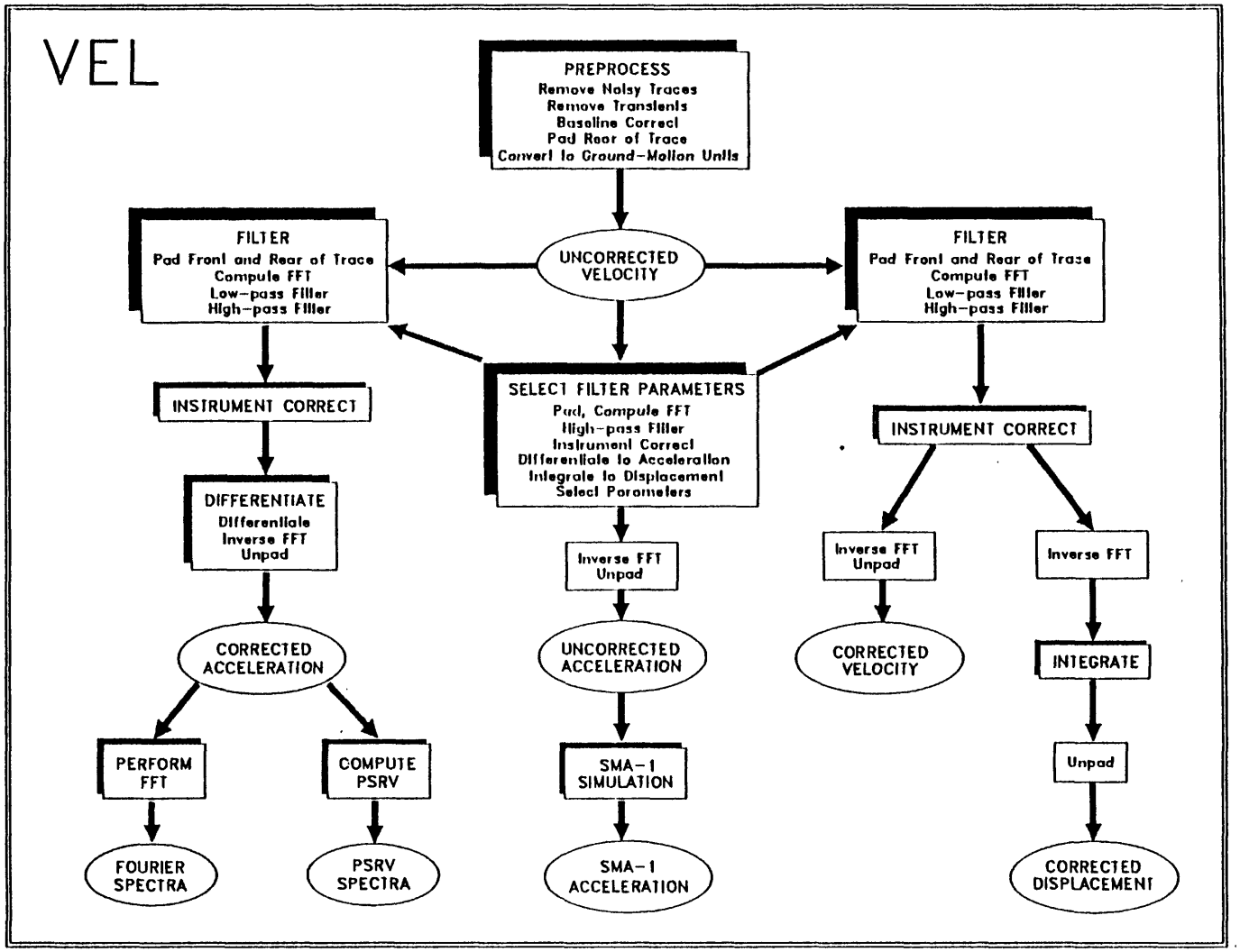


Figure 4. Flowchart showing the computational steps used to process digital velocity recordings of the 1982 Arkansas earthquake swarm.

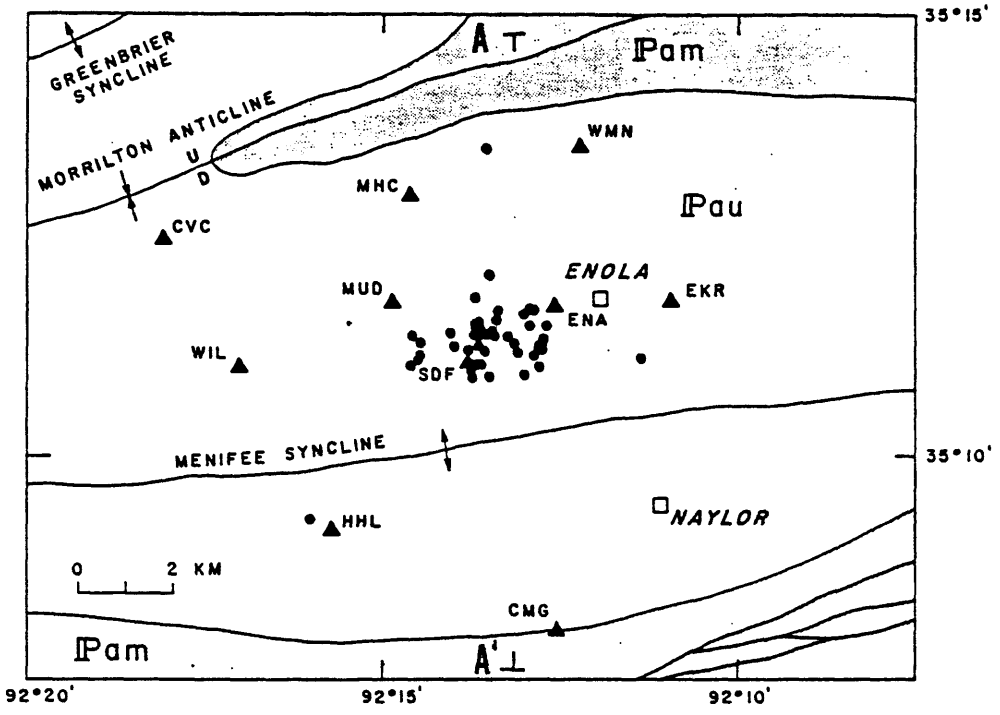


Figure 5. Map of the Enola, Arkansas, area showing locations of the DR-100 digital seismographs (triangles) and located earthquakes (circles) for the period June 24-July 5, 1982 (Haar *et al.*, 1984).

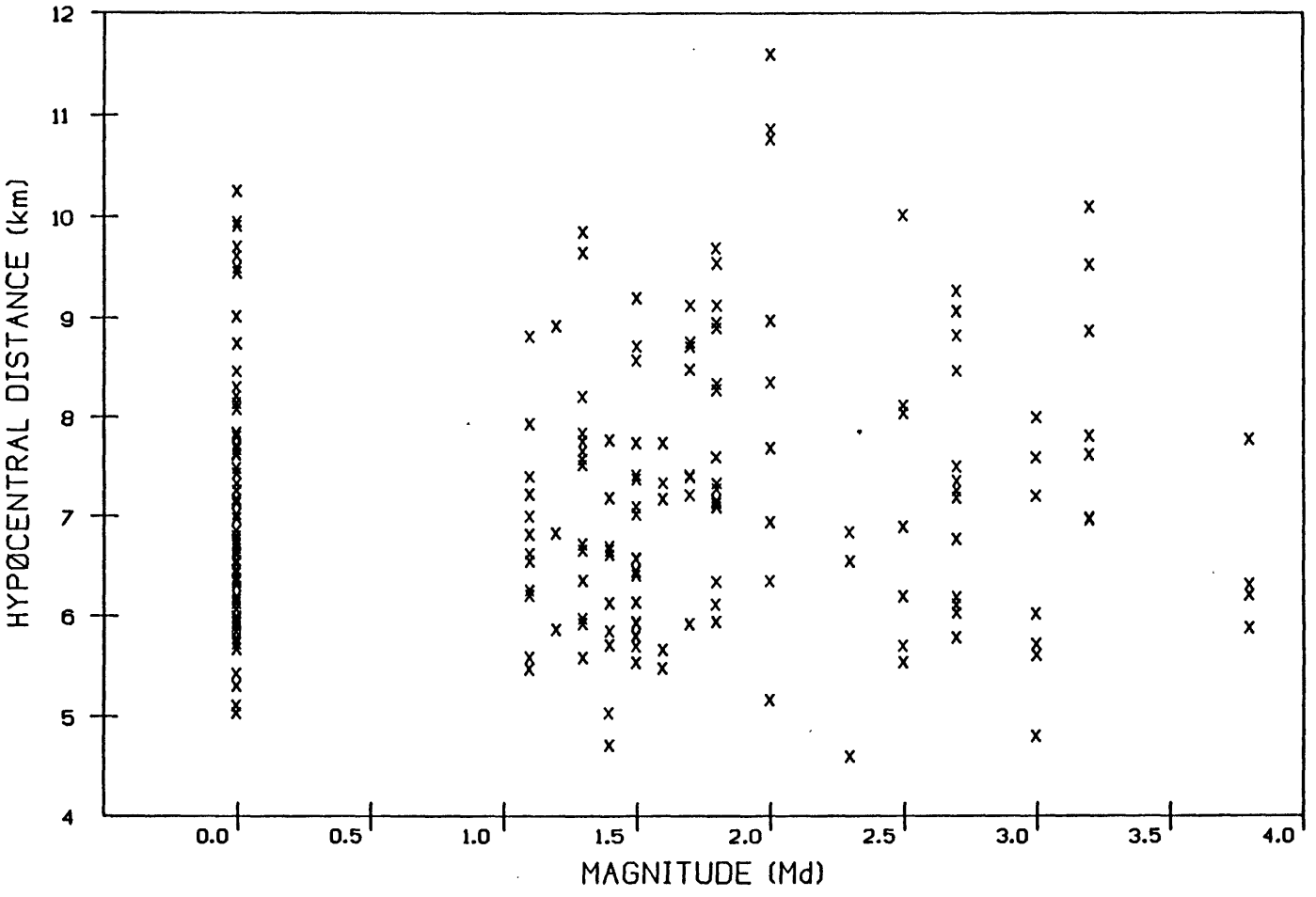


Figure 6. Distribution of processed digital recordings with respect to magnitude and distance for selected earthquakes of the Arkansas earthquake swarm. Unknown magnitudes are assigned a value of zero.

APPENDIX

Plots Of Selected Recordings

06/26/82, 12:04:59, M_d = 2.3 ..... A-1

06/26/82, 15:56:06, M_d = 3.0 ..... A-14

06/30/82, 16:21:55, M_d = 3.2 ..... A-42

07/04/82, 07:06:25, M_d = 2.0 ..... A-75

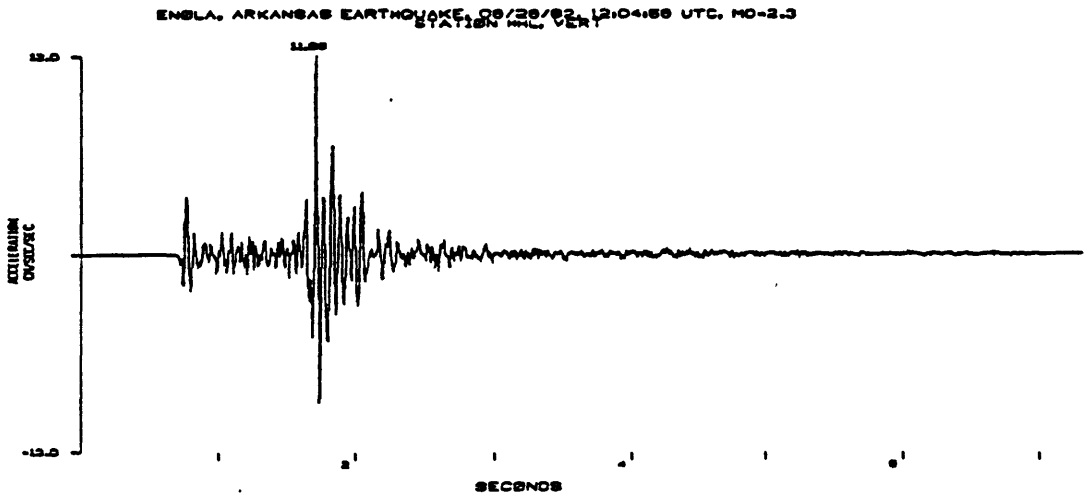
07/04/82, 23:28:29, M_d = 2.5 ..... A-104

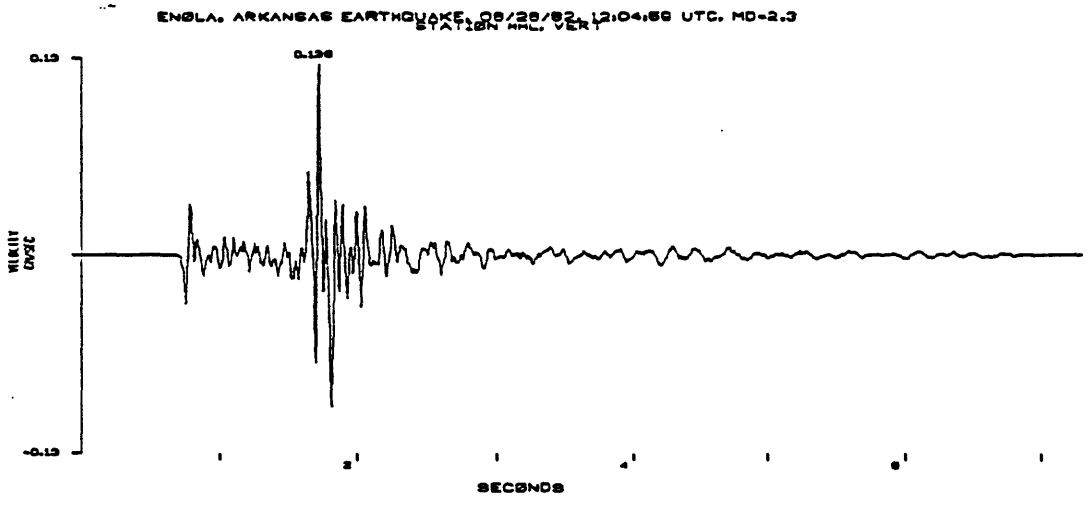
07/05/82, 03:07:45, M_d = 2.7 ..... A-143

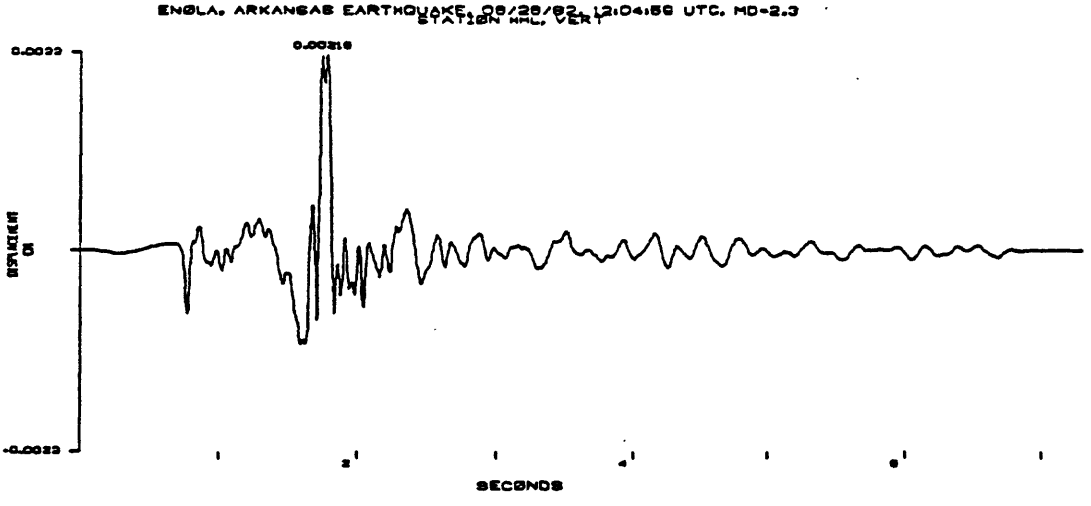
07/05/82, 04:13:51, M_d = 3.8 ..... A-177

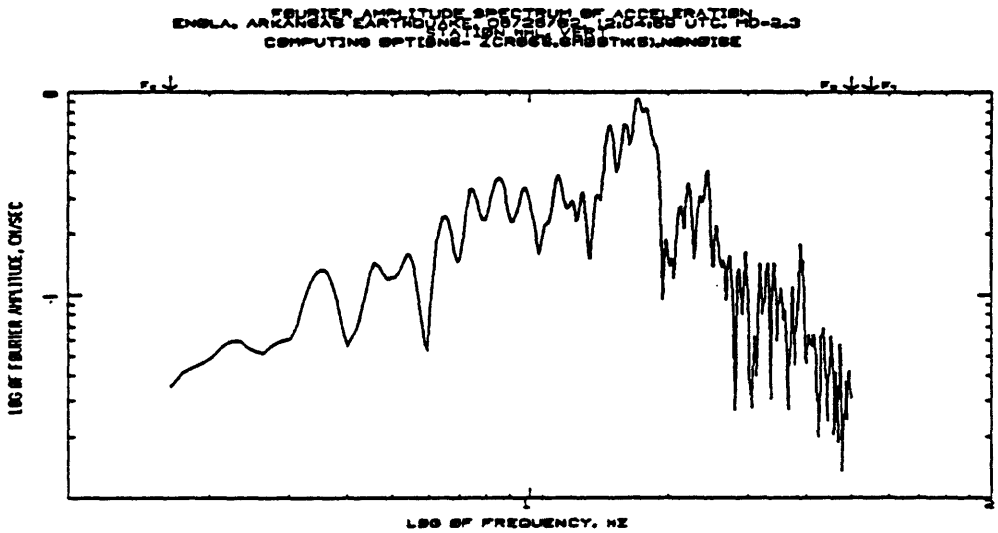
07/05/82, 04:14:52, M_d = 2.7 ..... A-196

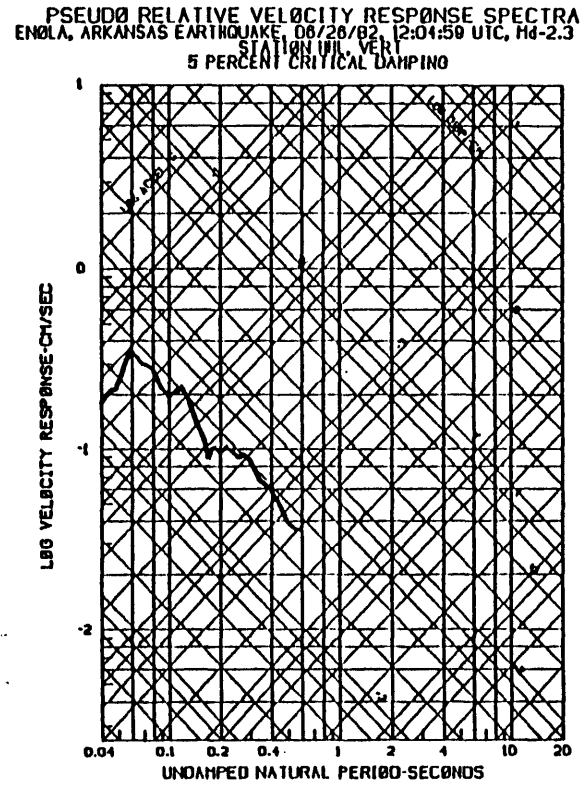
07/05/82, 08:27:49, M_d = 2.0 ..... A-225

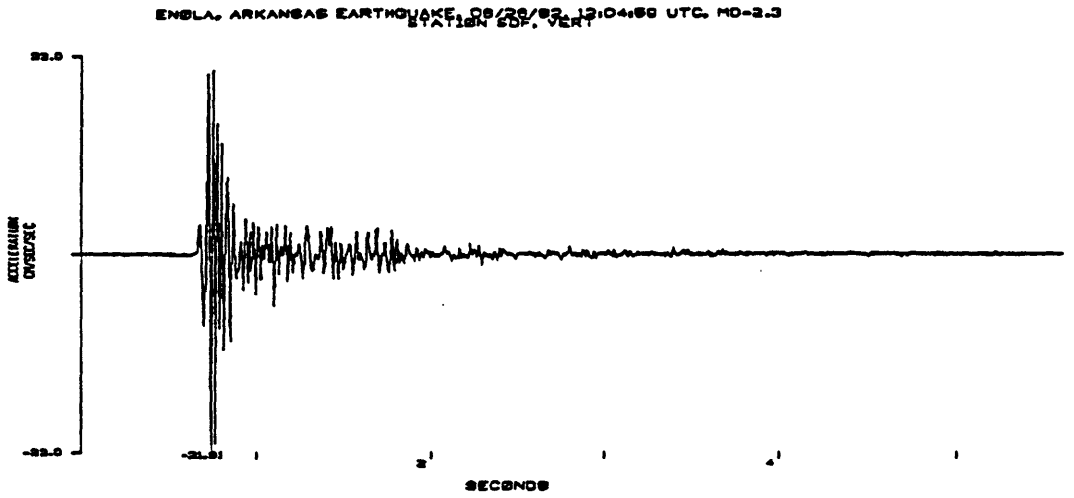

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 12:04:58 UTC, MD=2.3
STATION HHL, VERT
11.88
12.0
-12.0
ACCELERATION
CM/SEC/SEC
2
4
6
SECONDS

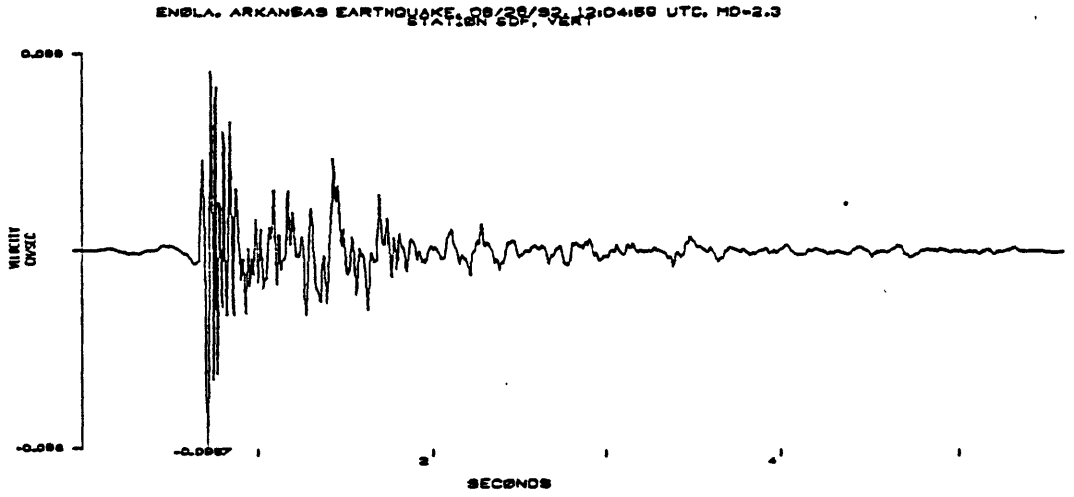

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 12:04:58 UTC, MD=2.3
STATION HHL, VERT
0.136
0.13
-0.13
VELOCITY
CM/SEC
2
4
6
SECONDS

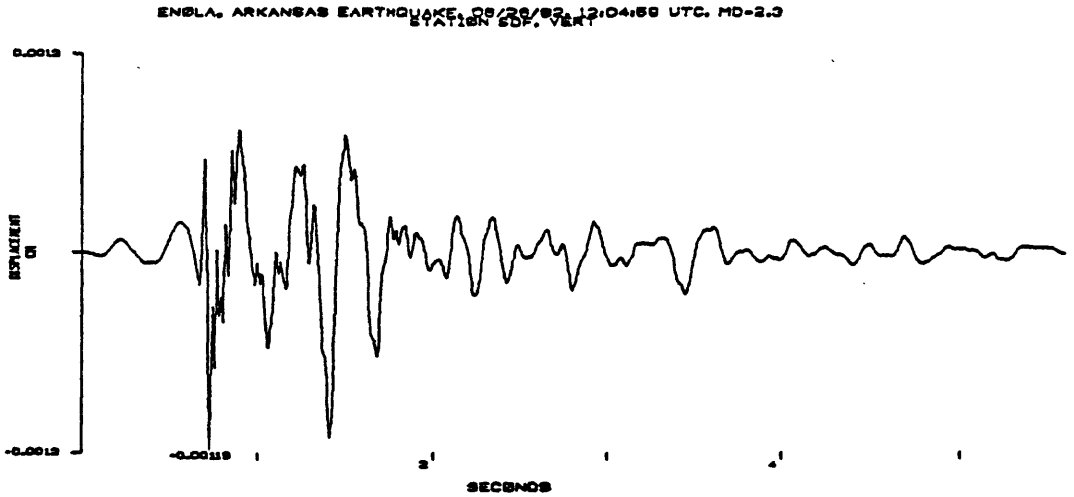

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 12:04:58 UTC, MD=2.3
STATION HHL, VERT
0.00216
0.0022
-0.0022
DISPLACEMENT
CM
2
4
6
SECONDS

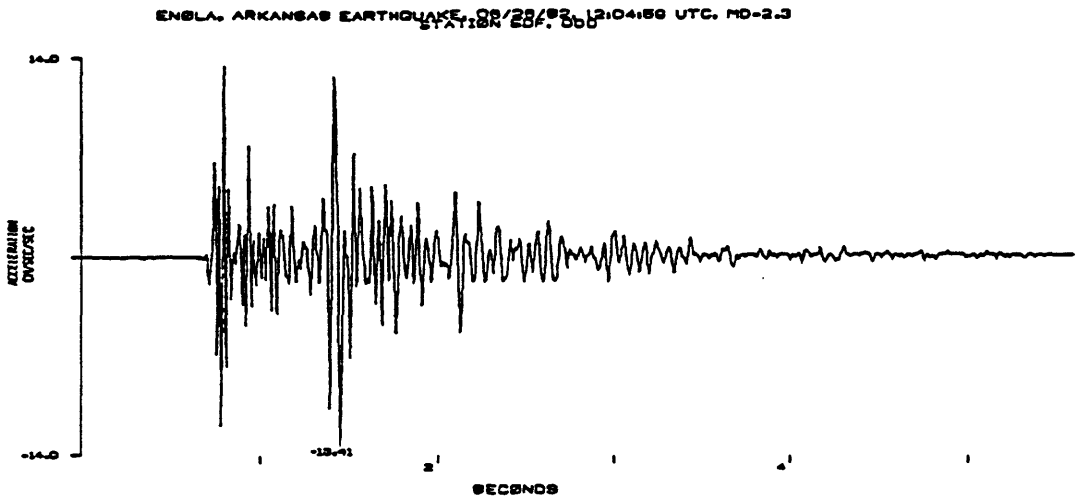

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 12:04:59 UTC, MD-2.3
STATION MML VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

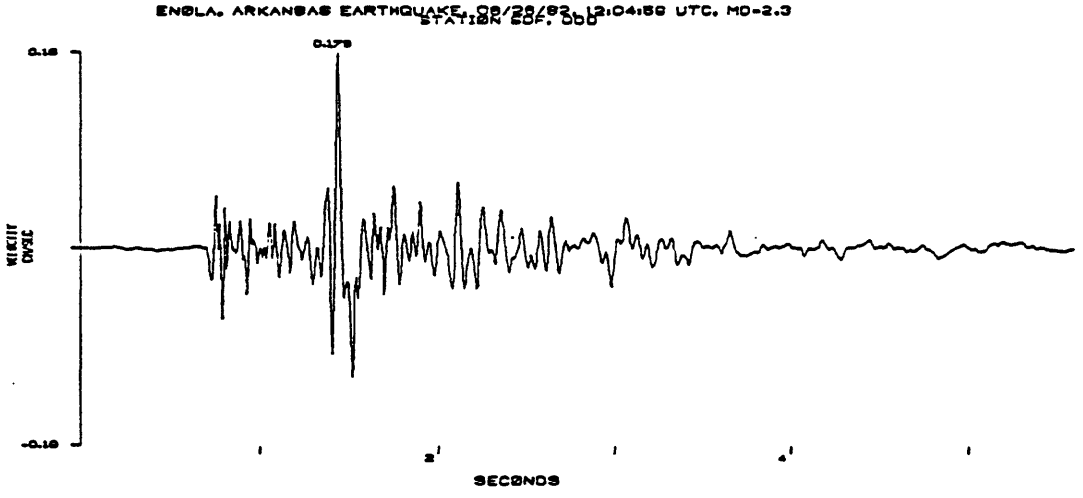

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 12:01:59 UTC, Md-2.3
STATIØN UVL VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

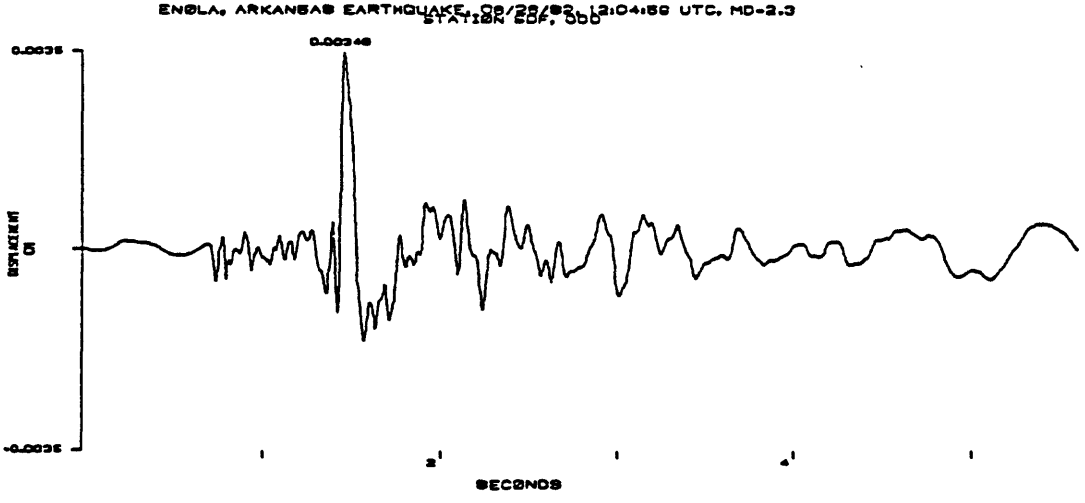

ENOLA, ARKANSAS EARTHQUAKE, 09/29/82, 12:04:59 UTC, MD=2.3
STATION SDF, VERT
SECONDS

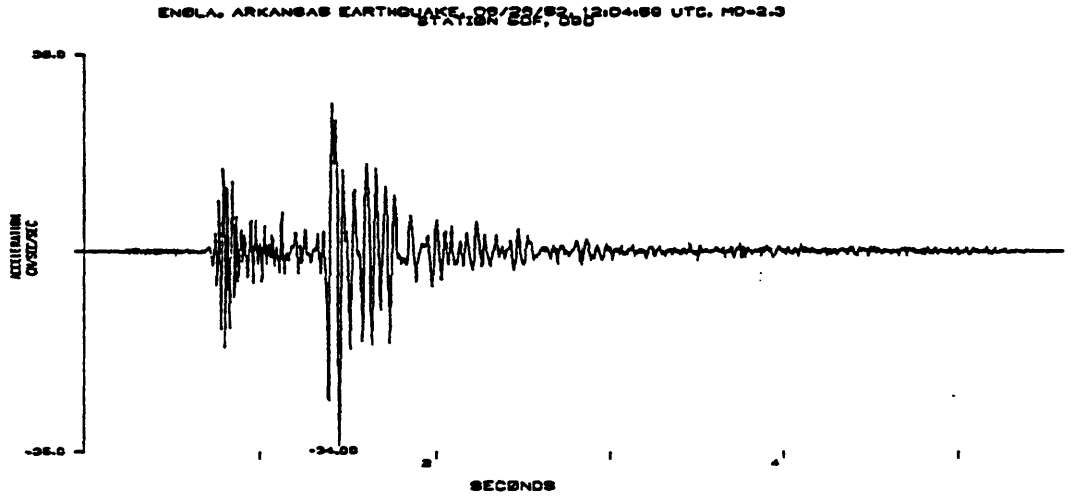

ENOLA, ARKANSAS EARTHQUAKE, 09/29/82, 12:04:59 UTC, MD=2.3
STATION SDF, VERT
SECONDS

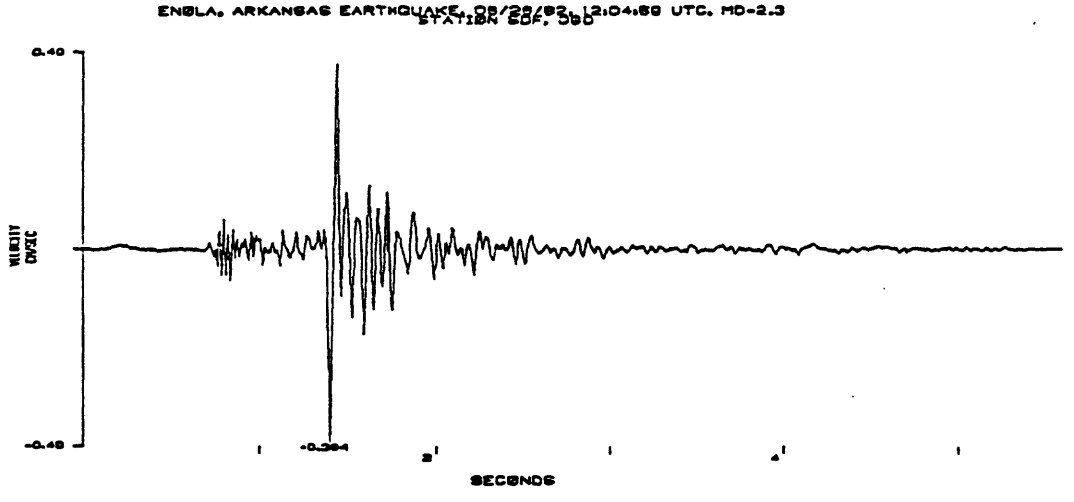

ENOLA, ARKANSAS EARTHQUAKE, 09/29/82, 12:04:59 UTC, MD=2.3
STATION SDF, VERT
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:59 UTC, MD=2.3
STATION EOF, 000
14.0
-14.0
-13.41
2
4
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:59 UTC, MD=2.3
STATION EOF, 000
0.179
0.18
-0.18
2
4
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:59 UTC, MD=2.3
STATION EOF, 000
0.00348
2
4
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:59 UTC, MD=2.3
STATION SDF, DDD
36.0
-35.0
-34.00
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:59 UTC, MD=2.3
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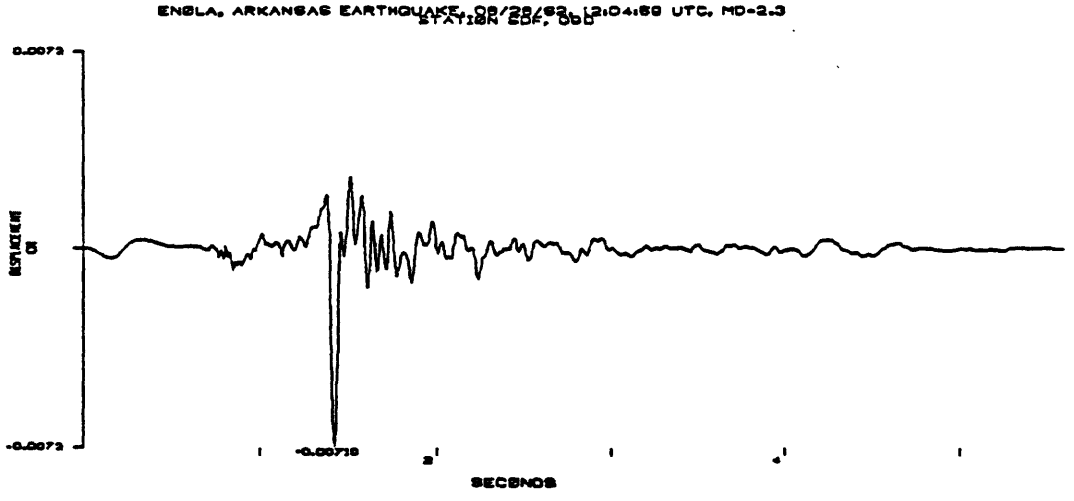
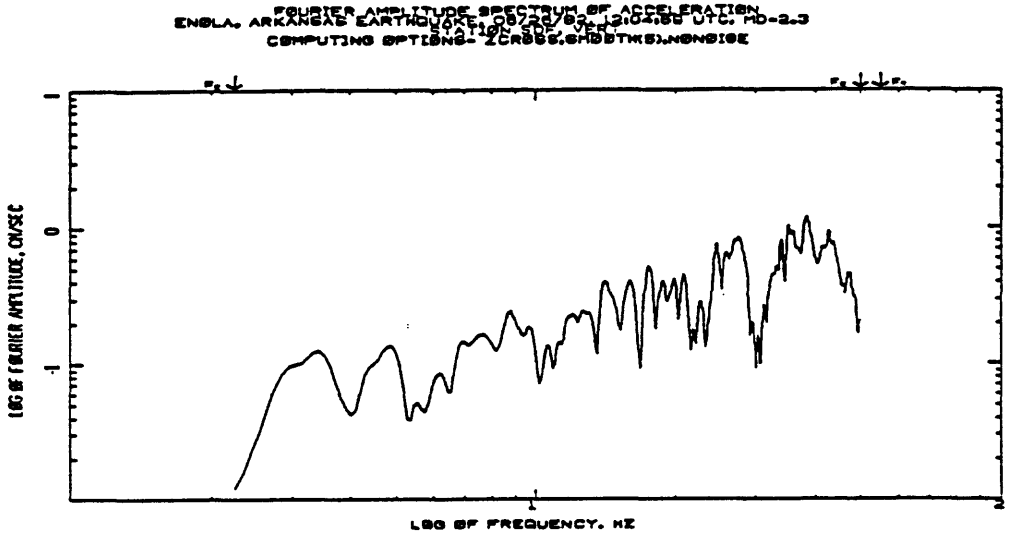
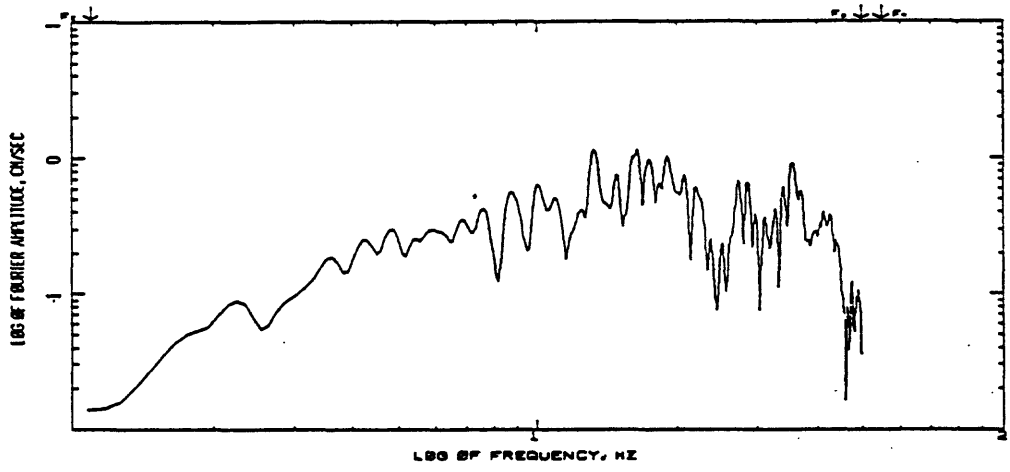
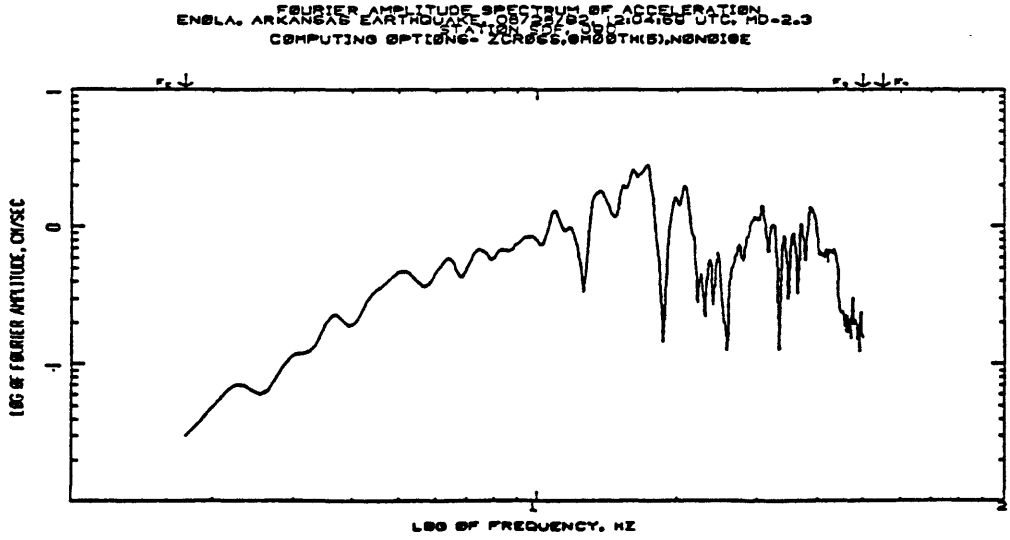
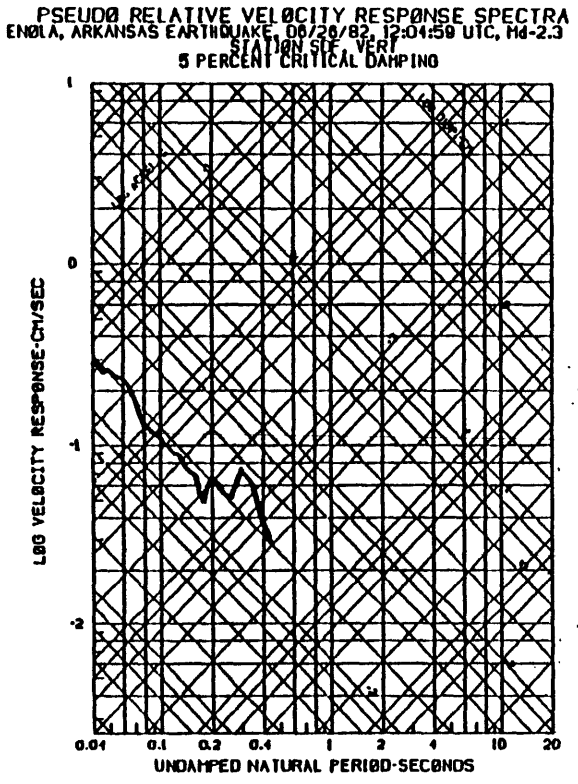
0.40
-0.40
-0.384
SECONDS

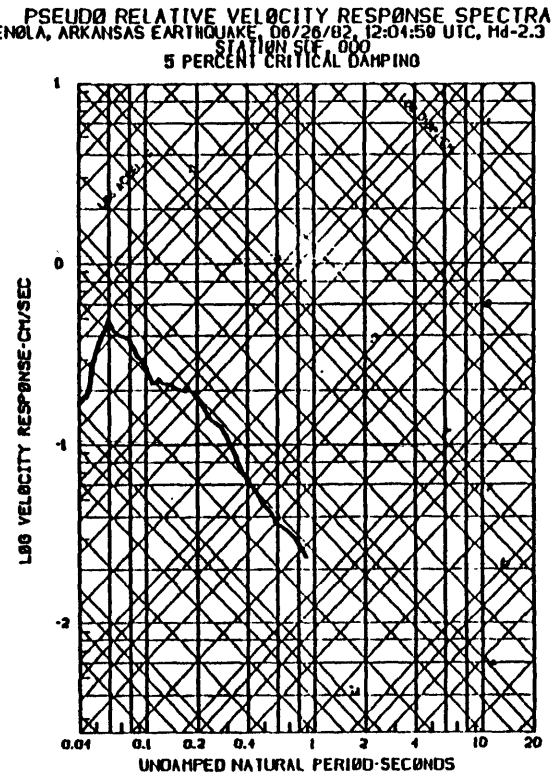

ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:59 UTC, MD=2.3
STATION SDF, DDD
0.0072
-0.0072
-0.00710
SECONDS

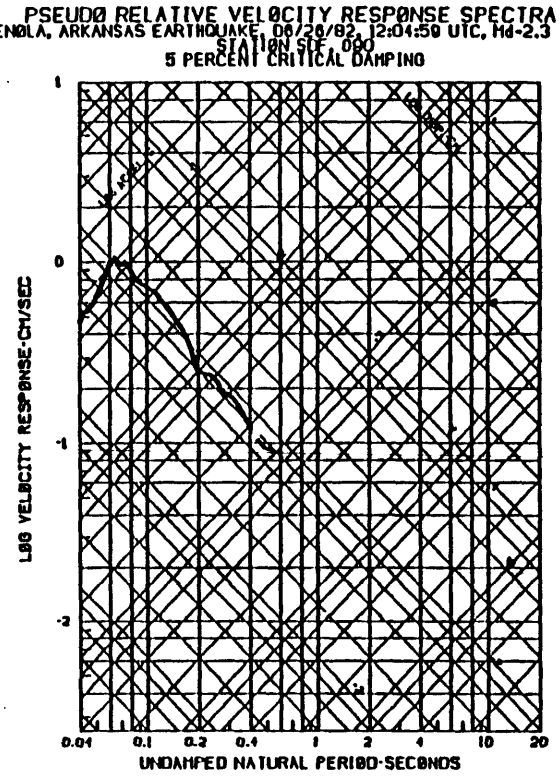

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:58 UTC, MD=2.3
STATION SDF, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

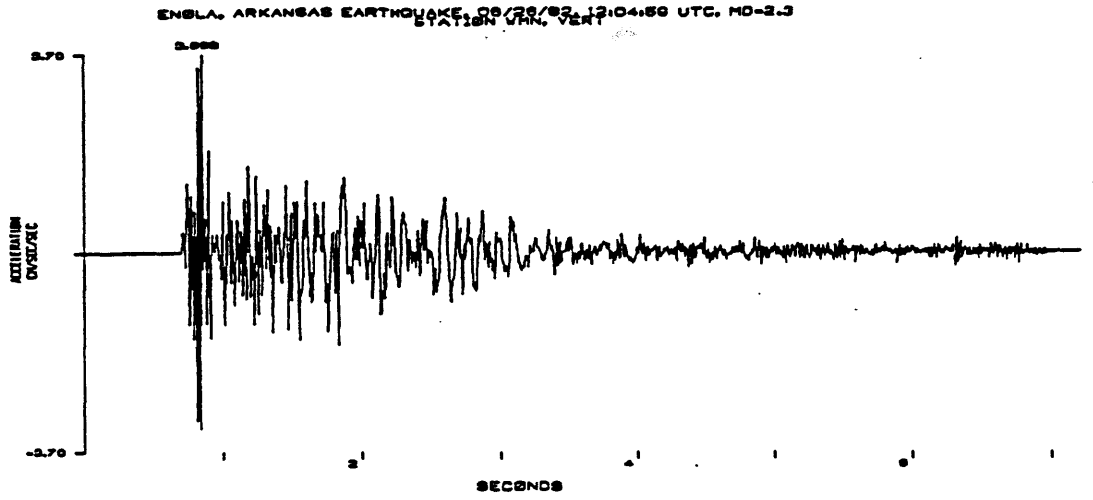

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:58 UTC, MD=2.3
STATION SDF, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

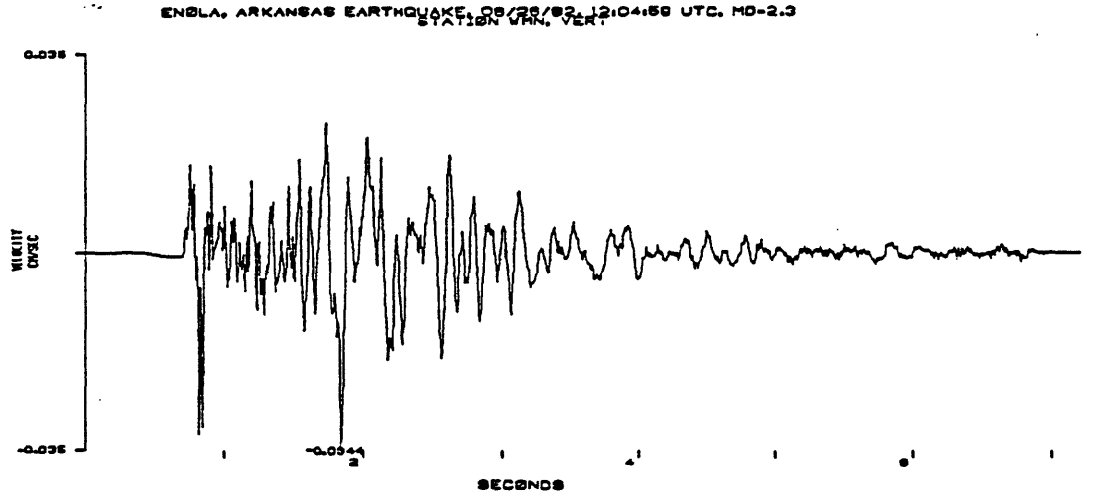

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 08/28/82, 12:04:58 UTC, MD=2.3
STATION SDF, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

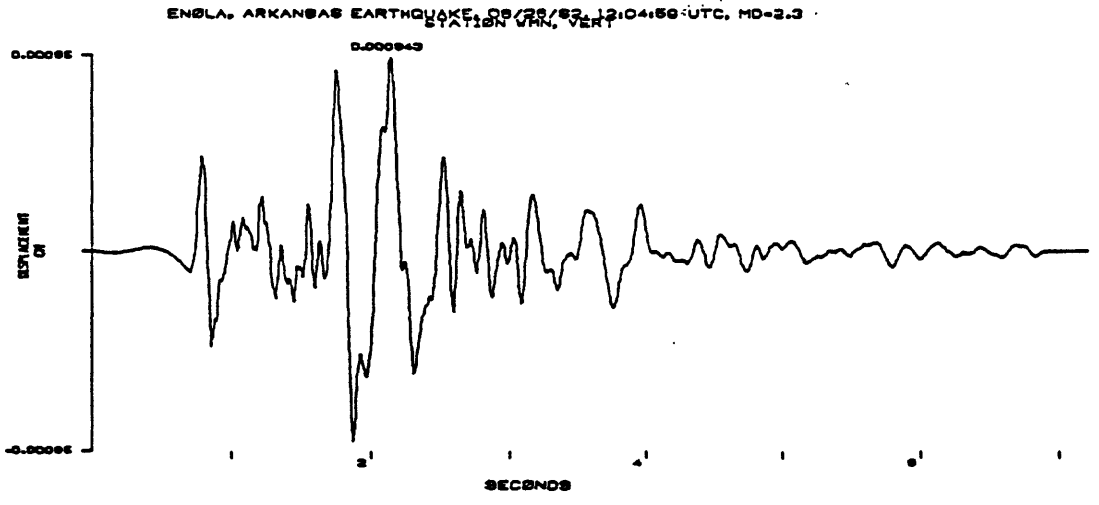

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 12:04:59 UTC, Md-2.3
STATIØN SCE VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.01
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

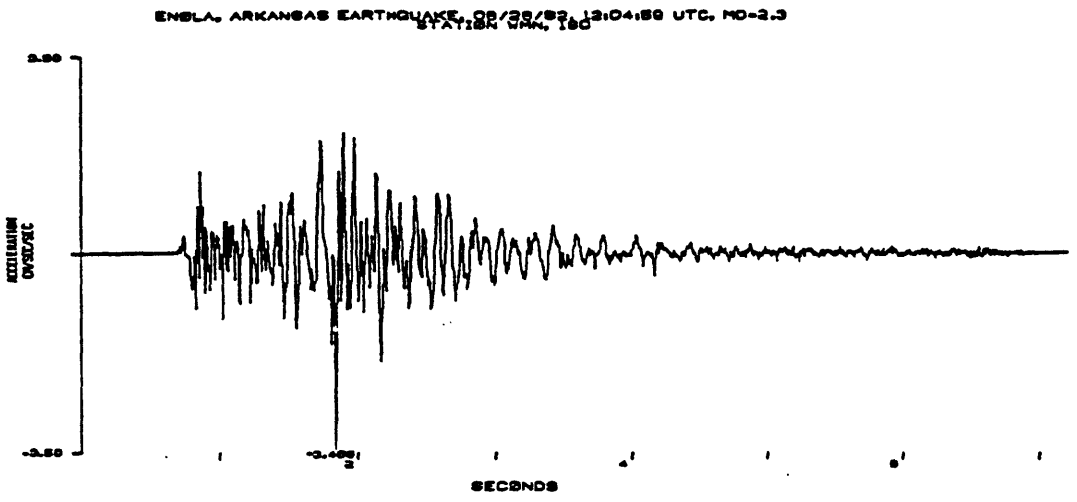

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 12:04:59 UTC, Md-2.3
STATIØN SCE 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.01
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

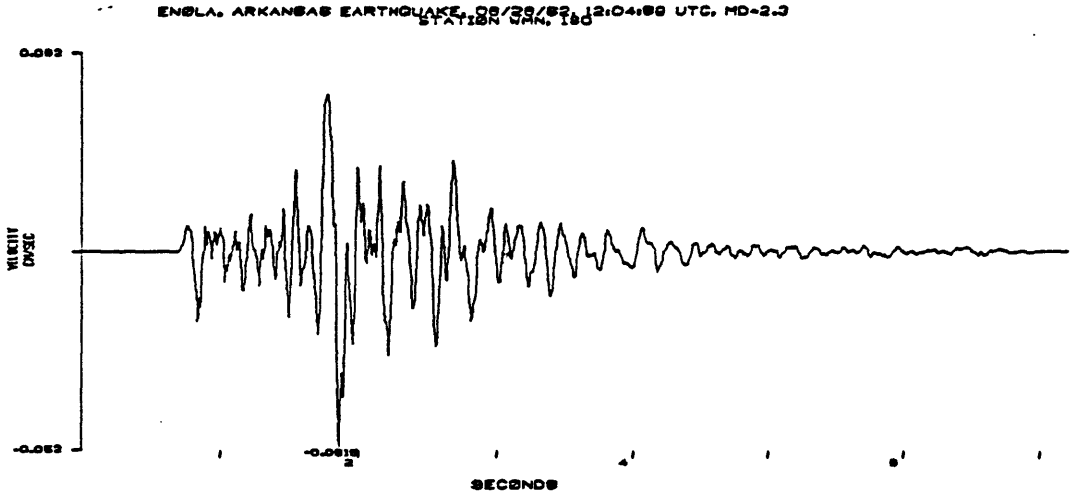

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 12:04:59 UTC, Md-2.3
STATIØN SCE 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.01
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

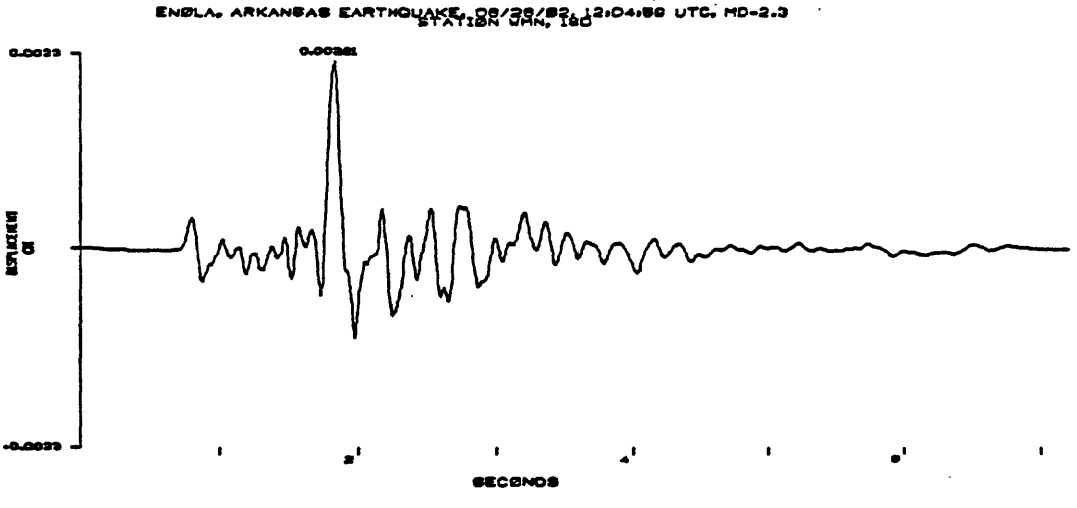

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 12:04:58 UTC, MD=2.3
STATION VHN, VERT
2.70
-2.70
ACCELERATION CM/SEC/SEC
2
4
6
SECONDS

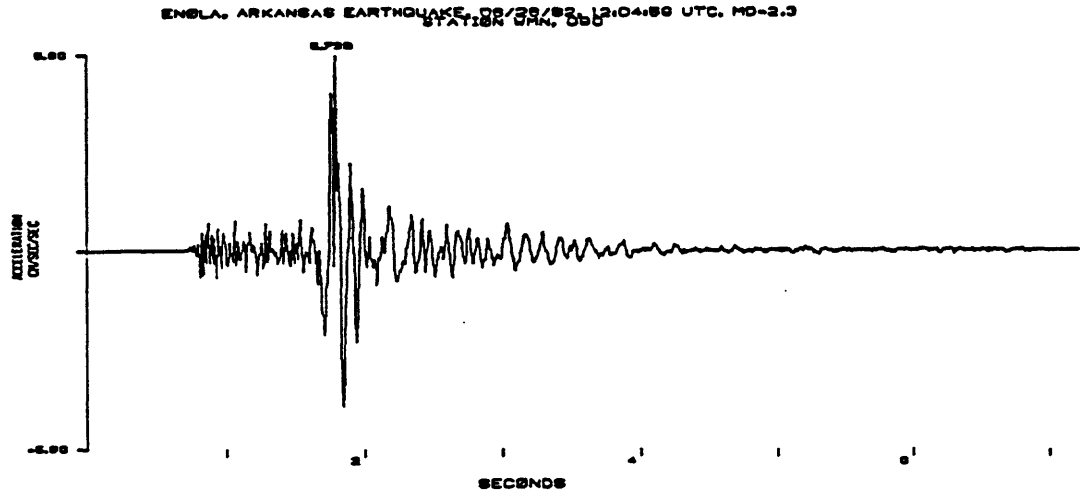

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 12:04:58 UTC, MD=2.3
STATION VHN, VERT
0.035
-0.035
VELOCITY CM/SEC
2
4
6
SECONDS

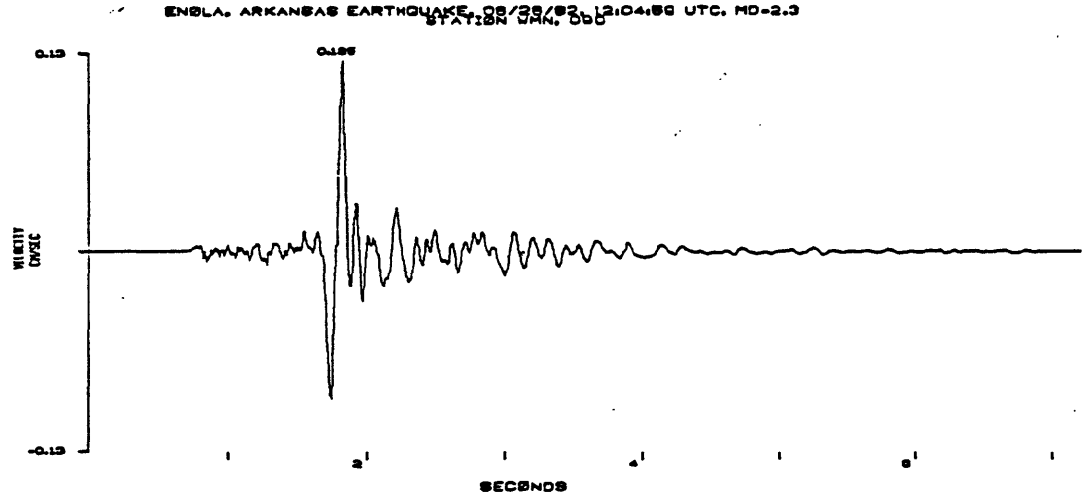

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 12:04:58 UTC, MD=2.3
STATION VHN, VERT
0.000043
DISPLACEMENT CM
2
4
6
SECONDS

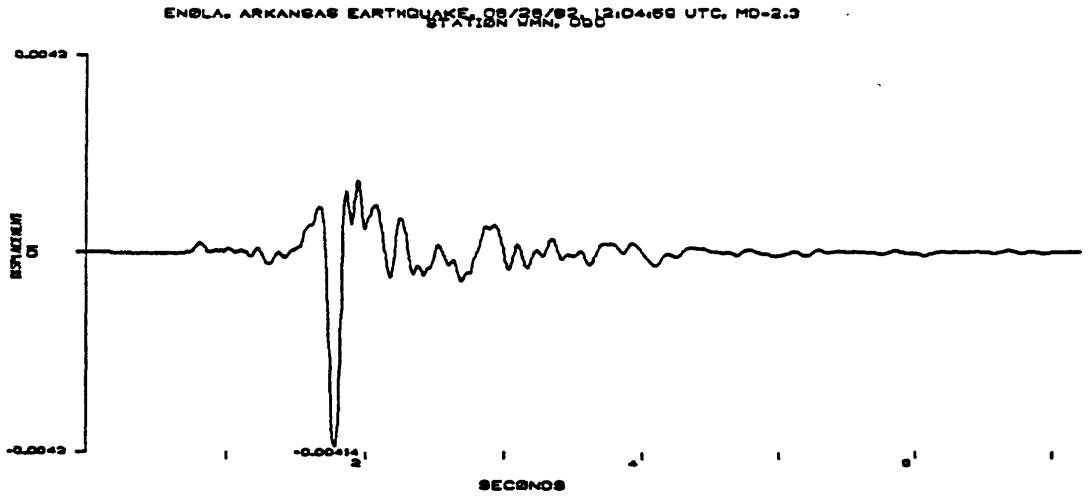

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 12:04:59 UTC, MD=2.3
STATION UHH, I&C
ACCELERATION CM/SEC/SEC
SECONDS

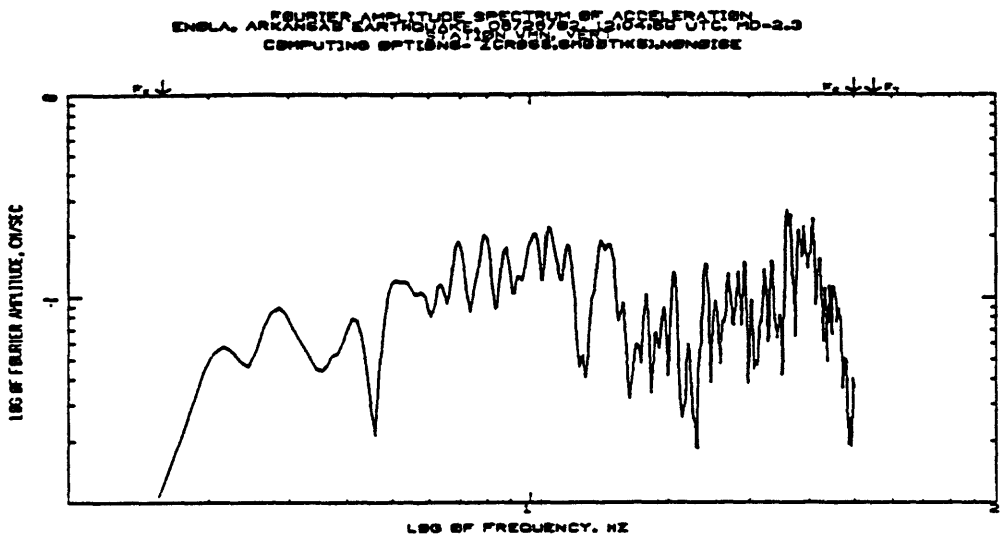

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 12:04:59 UTC, MD=2.3
STATION UHH, I&C
VELOCITY CM/SEC
SECONDS

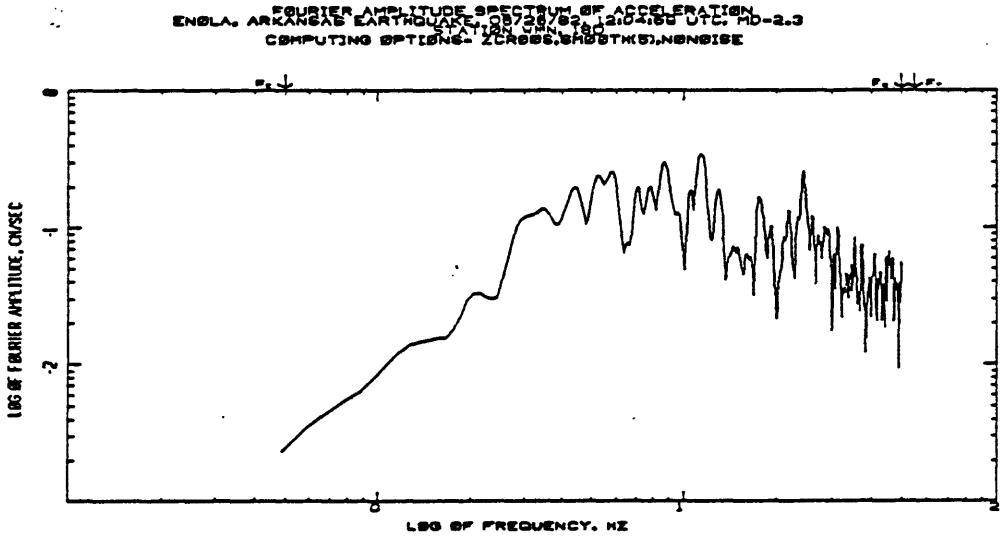

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 12:04:59 UTC, MD=2.3
STATION UHH, I&C
DISPLACEMENT CM
SECONDS

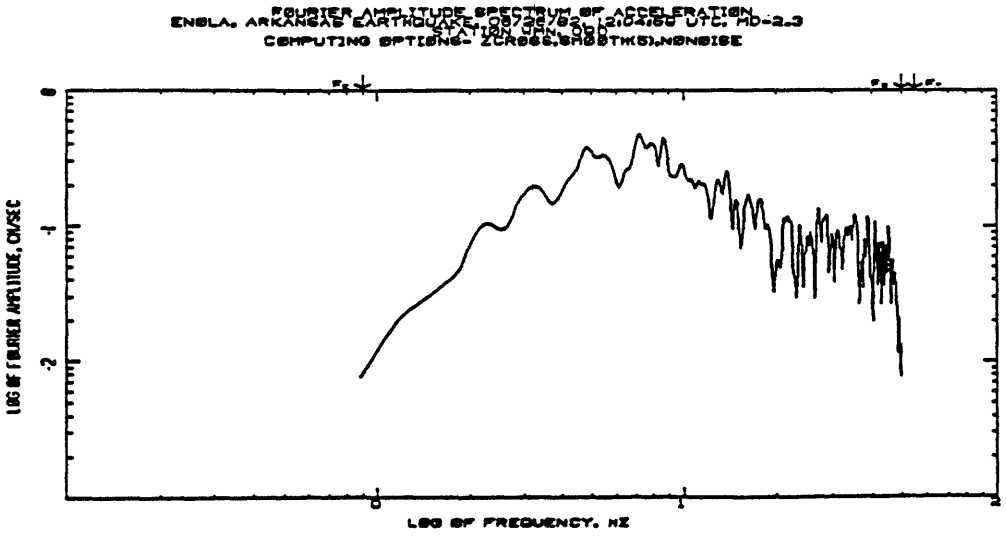

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 12:04:59 UTC, MD=2.3
STATION UHN, DD
SECONDS

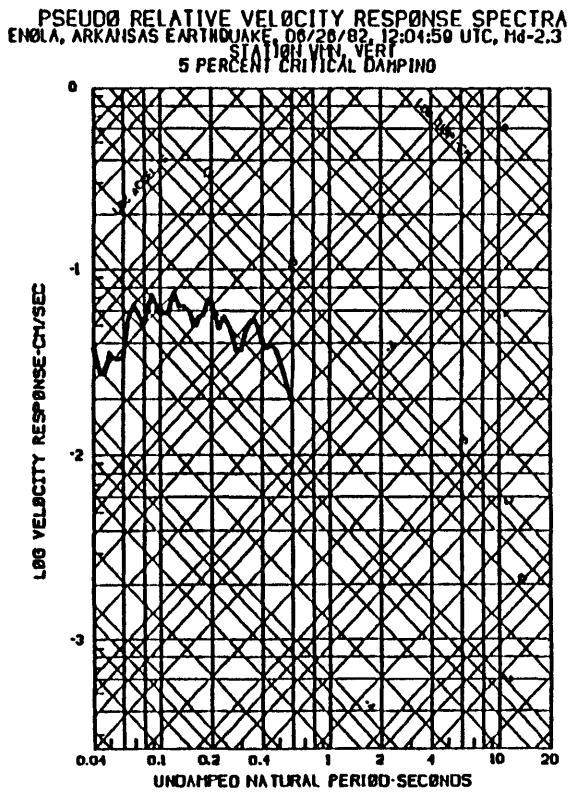

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 12:04:59 UTC, MD=2.3
STATION UHN, DD
SECONDS

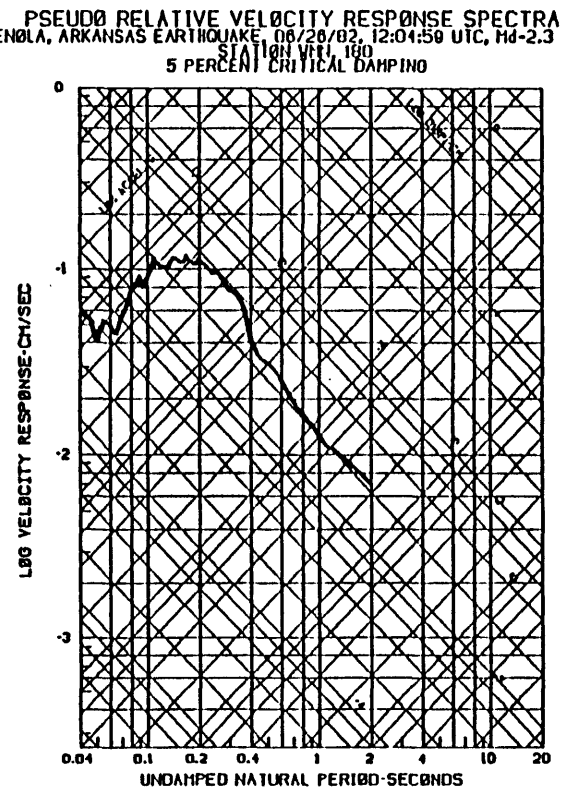

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 12:04:59 UTC, MD=2.3
STATION UHN, DD
SECONDS

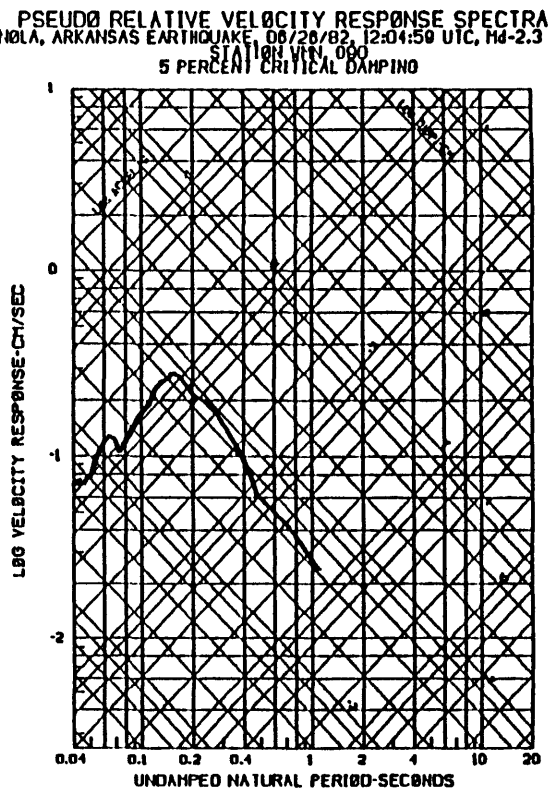

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 12:04:50 UTC, MD-2.3
STATION VMN, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

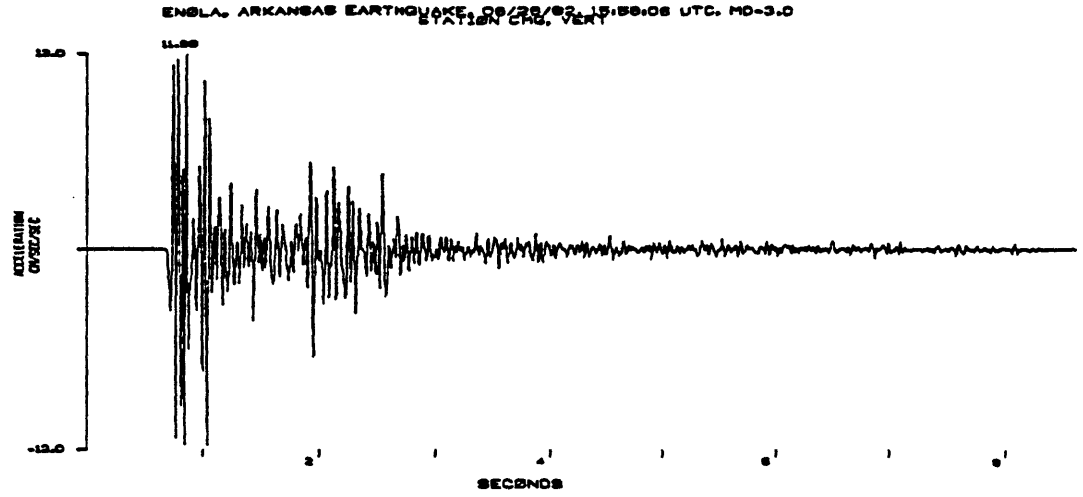

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 12:04:50 UTC, MD-2.3
STATION VMN, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

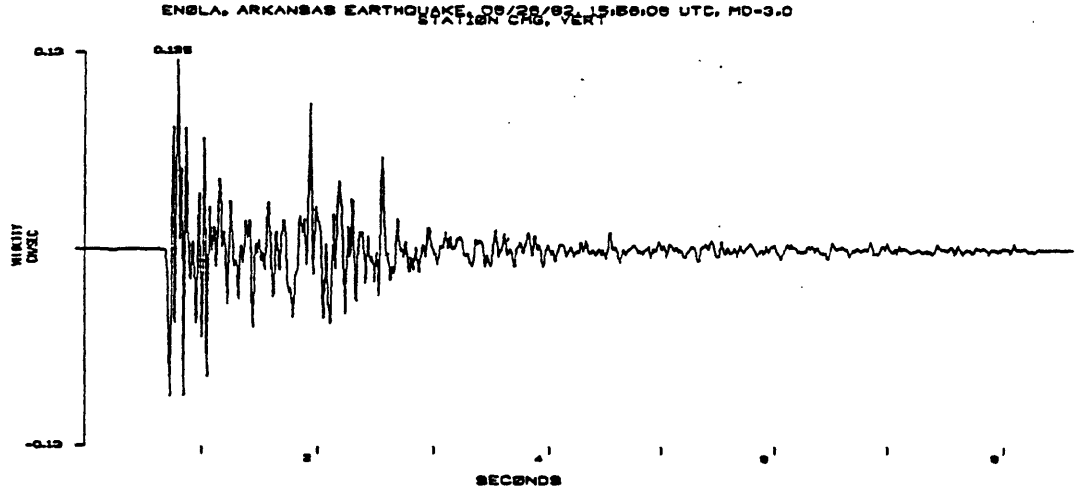

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 12:04:50 UTC, MD-2.3
STATION VMN, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

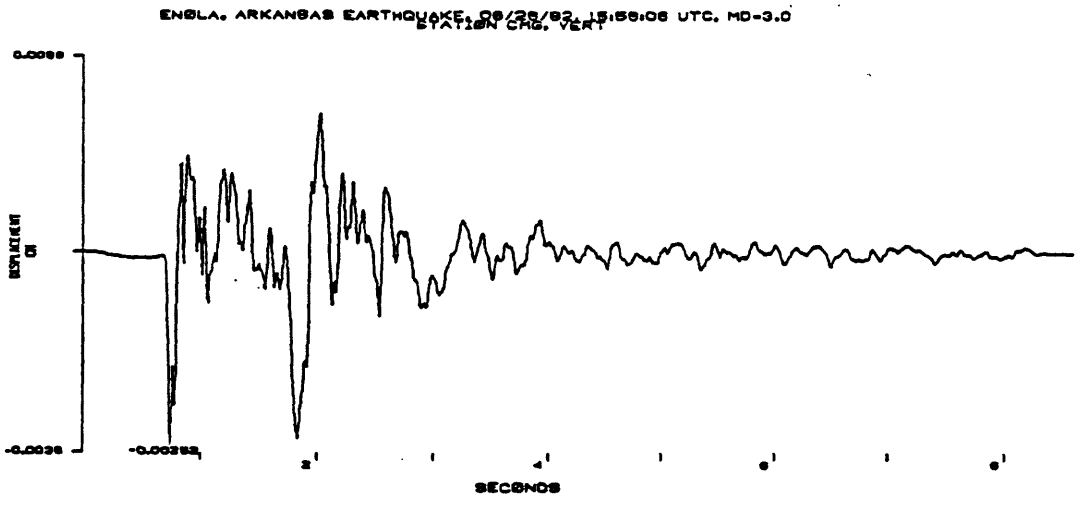

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 12:04:50 UTC, Md-2.3
STATIØN VHN, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

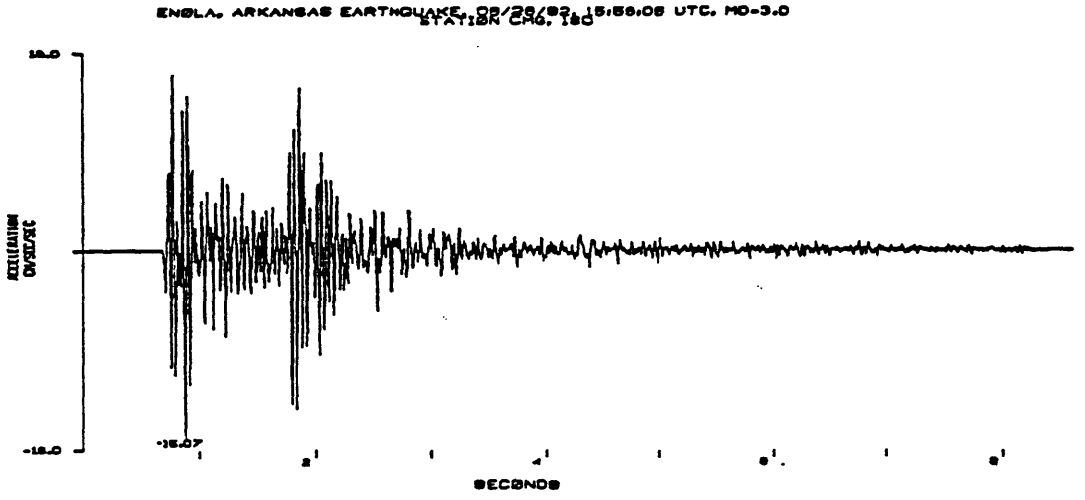

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 12:04:50 UTC, Md-2.3
STATIØN VHN, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

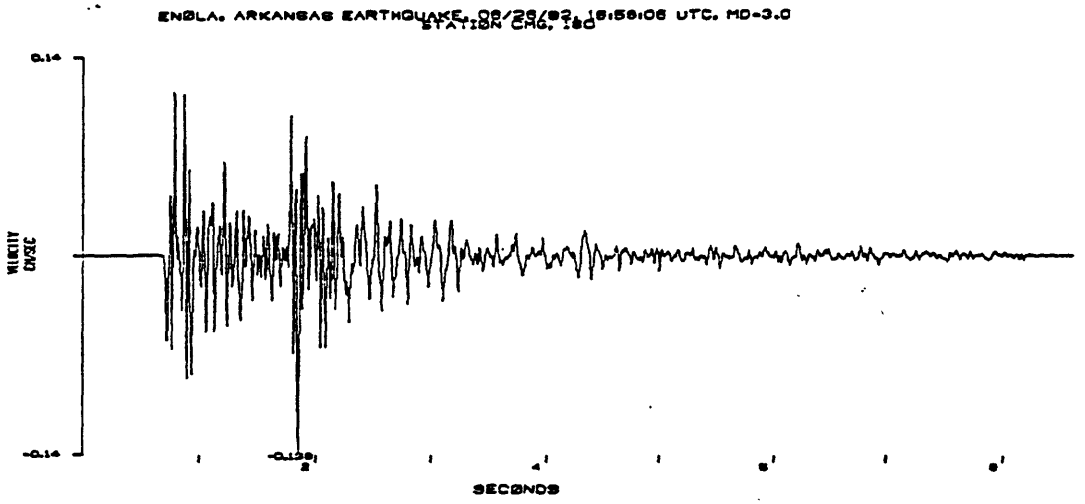

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 12:04:50 UTC, Md-2.3
STATIØN VHN, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

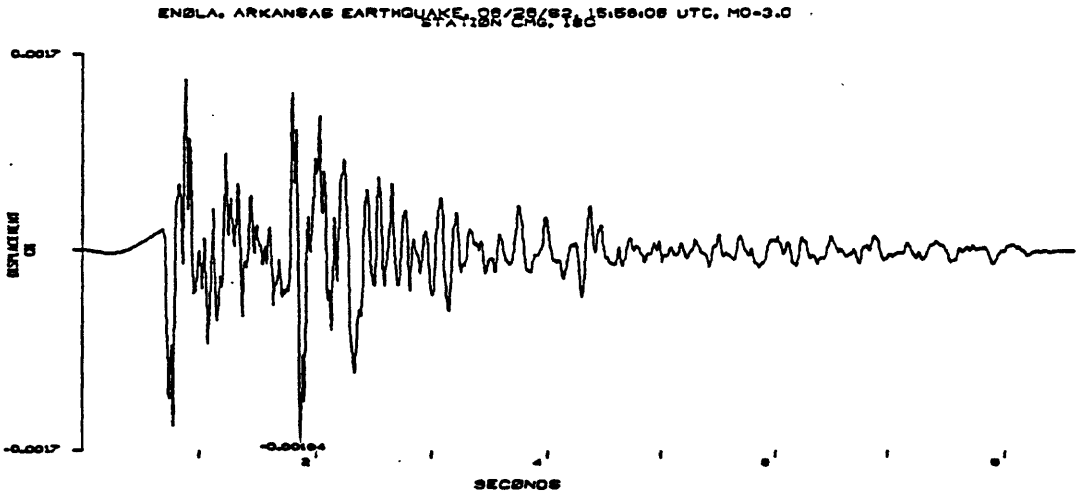

ENGLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:06 UTC, MD=3.0
STATION CHG, VERT
13.0
11.89
-13.0
2
4
6
8
SECONDS

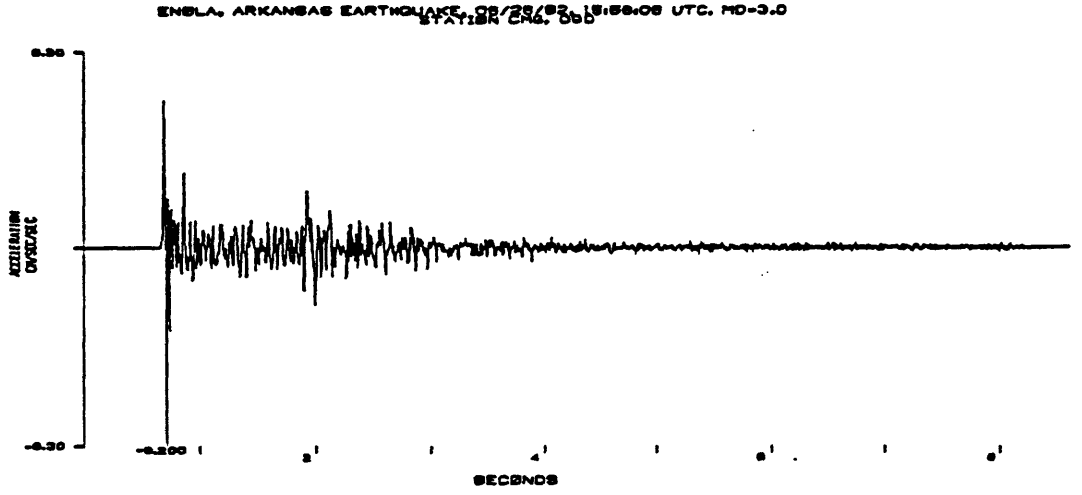

ENGLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:06 UTC, MD=3.0
STATION CHG, VERT
0.13
0.125
-0.13
2
4
6
8
SECONDS

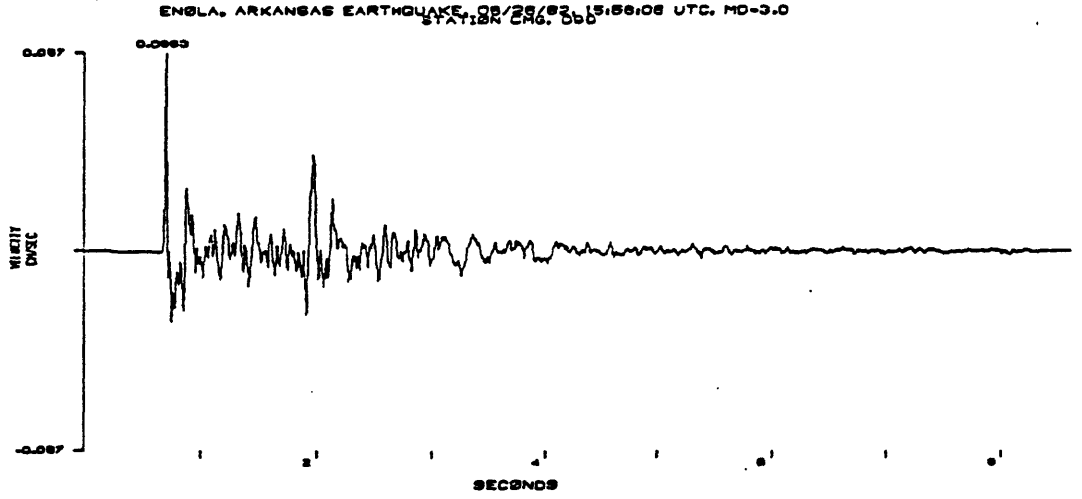

ENGLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:06 UTC, MD=3.0
STATION CHG, VERT
0.0038
-0.0038
-0.002552
2
4
6
8
SECONDS

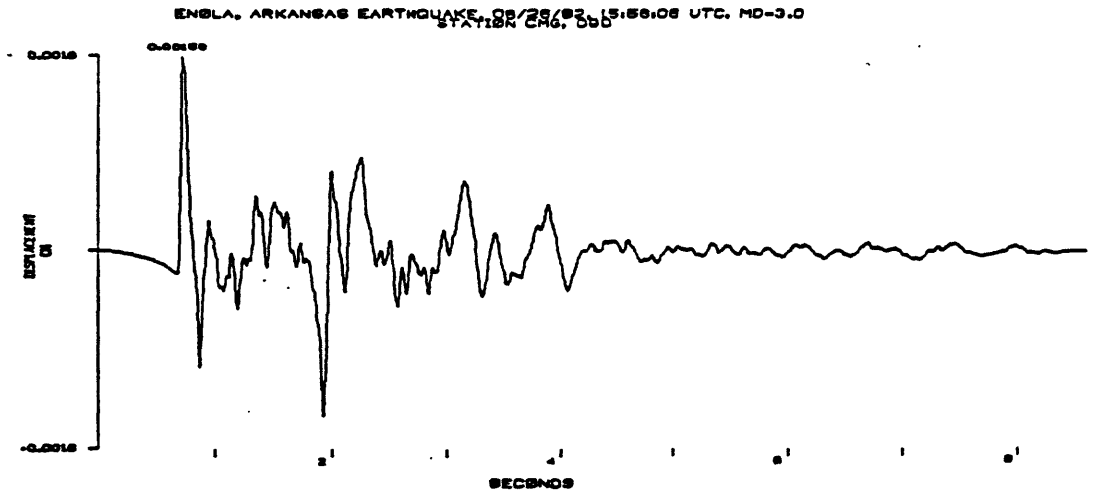

ENØLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:58:06 UTC, MD=3.0
STATION CMG, 180
10.0
-10.0
-15.07
SECØNDS

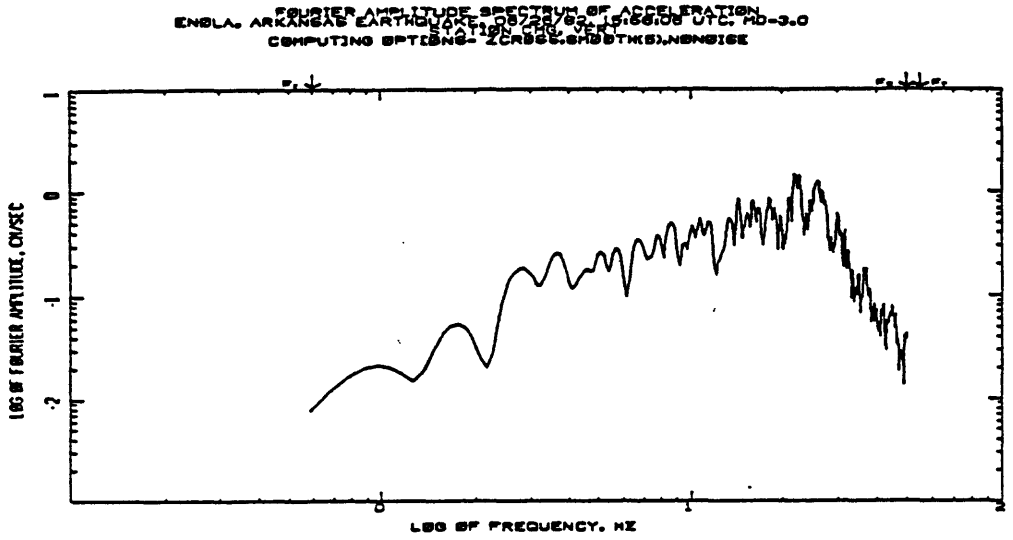

ENØLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:58:06 UTC, MD=3.0
STATION CMG, 180
0.14
-0.14
-0.128
SECØNDS

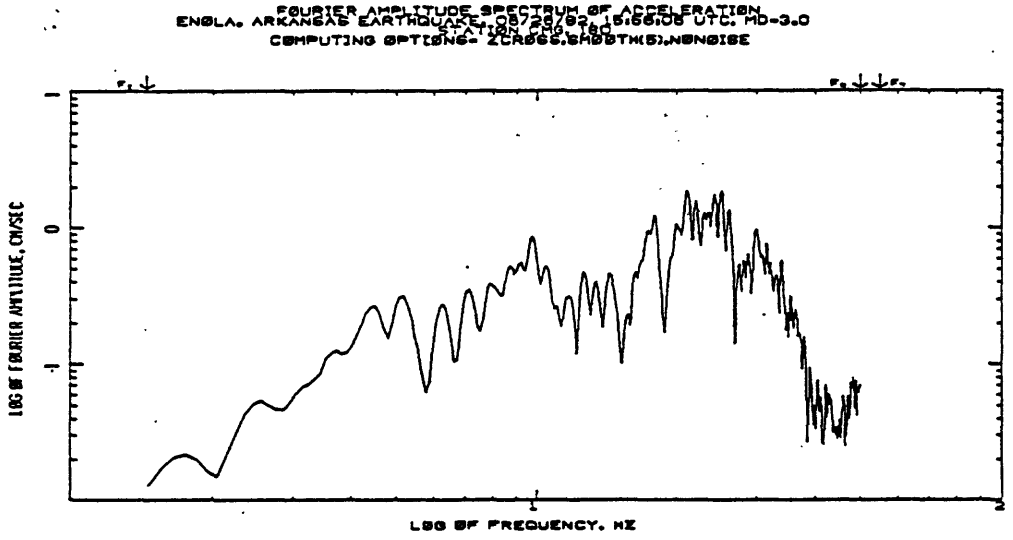

ENØLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:58:06 UTC, MD=3.0
STATION CMG, 180
0.0017
-0.0017
-0.00184
SECØNDS

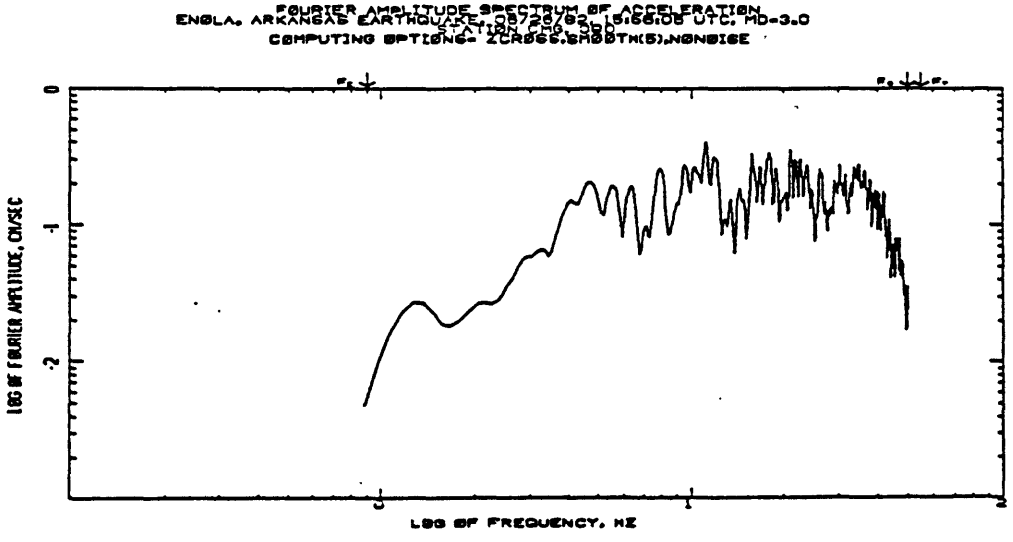

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:08 UTC, MD=3.0
STATION CHG, 000
0.30
-0.30
-0.200
2
4
6
8
SECONDS

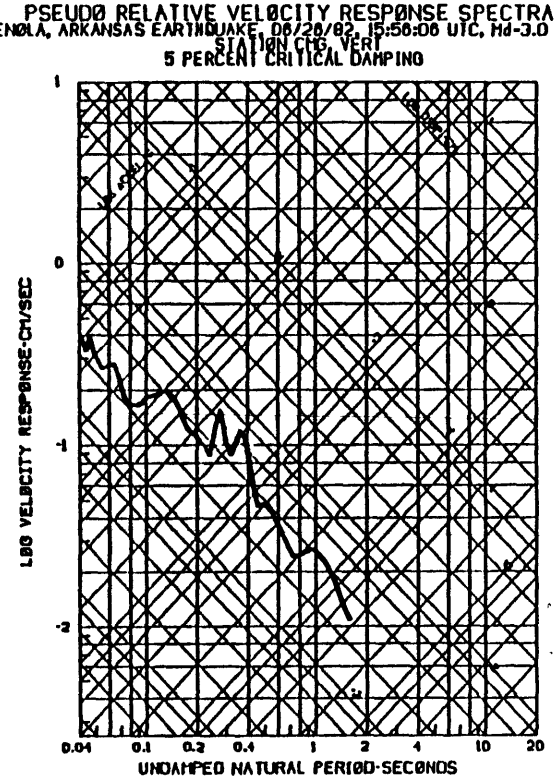

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:08 UTC, MD=3.0
STATION CHG, 000
0.097
0.0063
-0.097
2
4
6
8
SECONDS

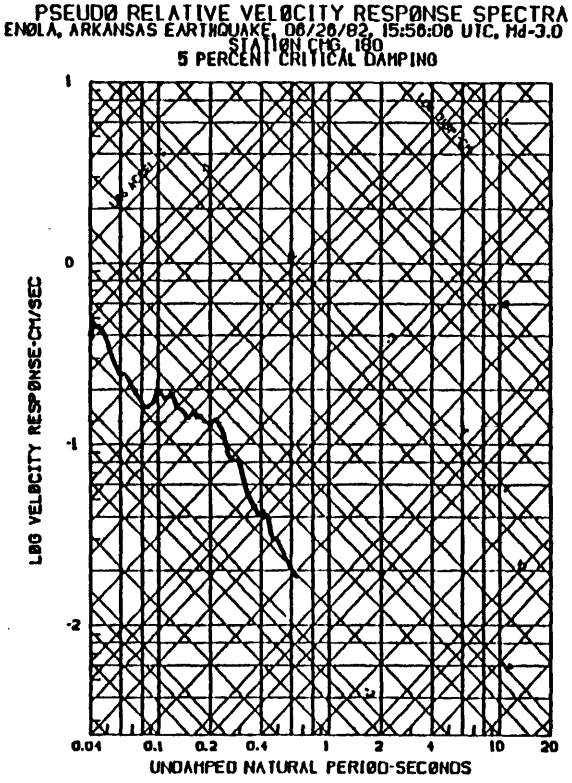

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:08 UTC, MD=3.0
STATION CHG, 000
0.0016
-0.0016
2
4
6
8
SECONDS

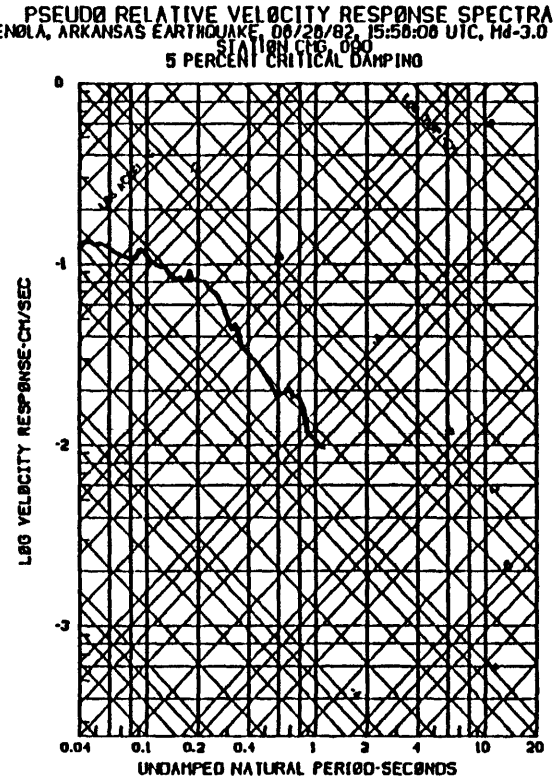

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA. ARKANSAS EARTHQUAKE. 08/20/82, 15:66:08 UTC. MD=3.0
STATION CHG, VERT
COMPUTING OPTIONS= ZCROSS.SMOOTH(5).NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

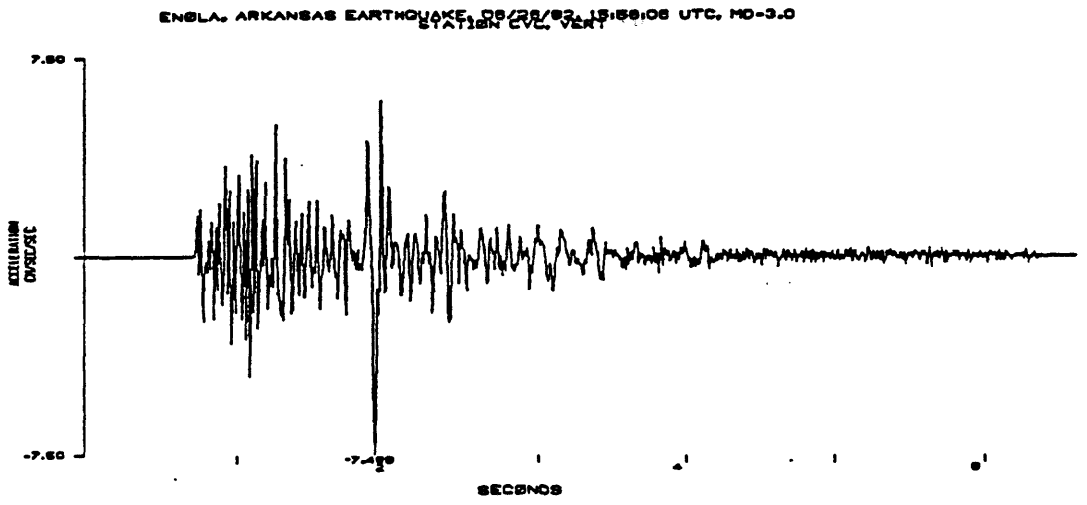

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA. ARKANSAS EARTHQUAKE. 08/20/82, 15:66:08 UTC. MD=3.0
STATION CHG, TAN
COMPUTING OPTIONS= ZCROSS.SMOOTH(5).NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

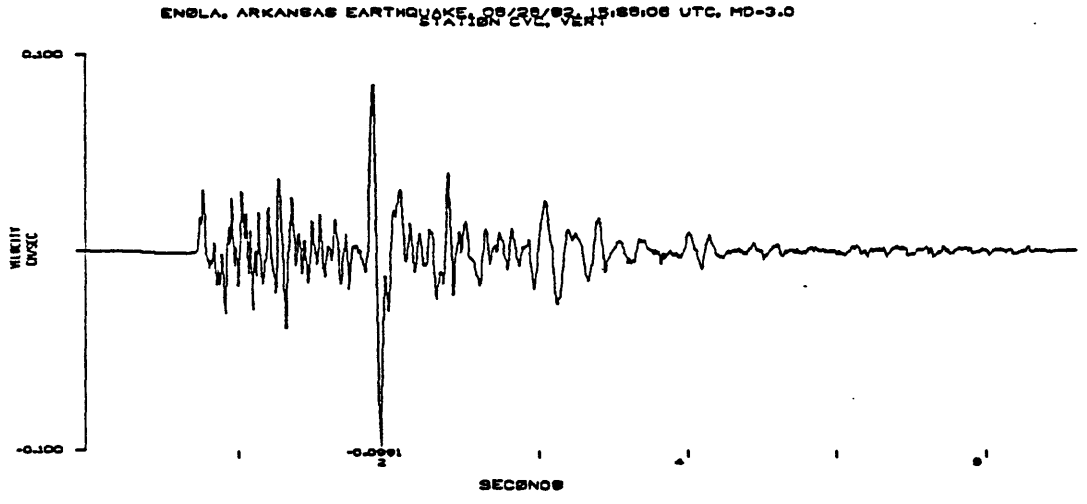

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA. ARKANSAS EARTHQUAKE. 08/20/82, 15:66:08 UTC. MD=3.0
STATION CHG, RAD
COMPUTING OPTIONS= ZCROSS.SMOOTH(5).NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

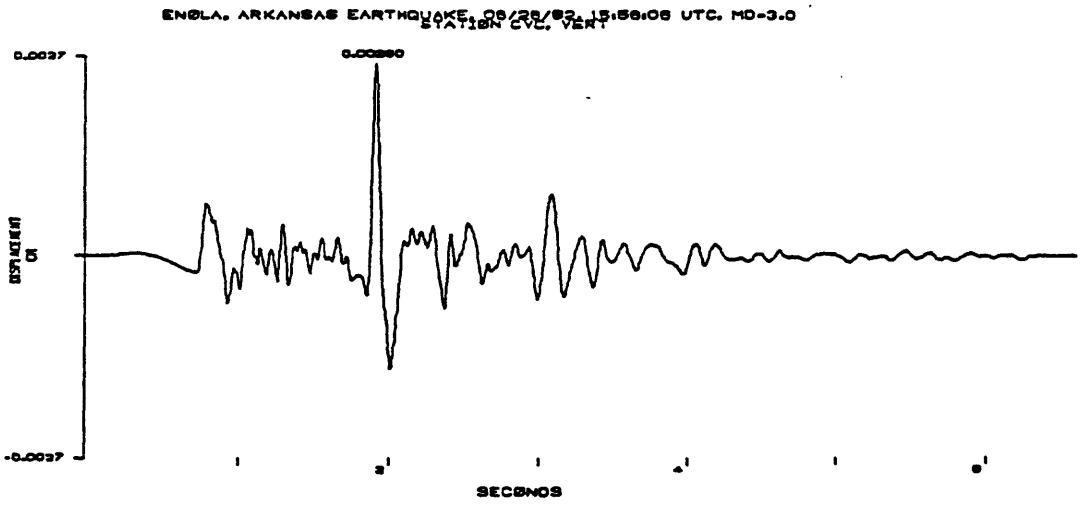

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/20/82, 15:56:06 UTC, Md-3.0
STATIØN CMG, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

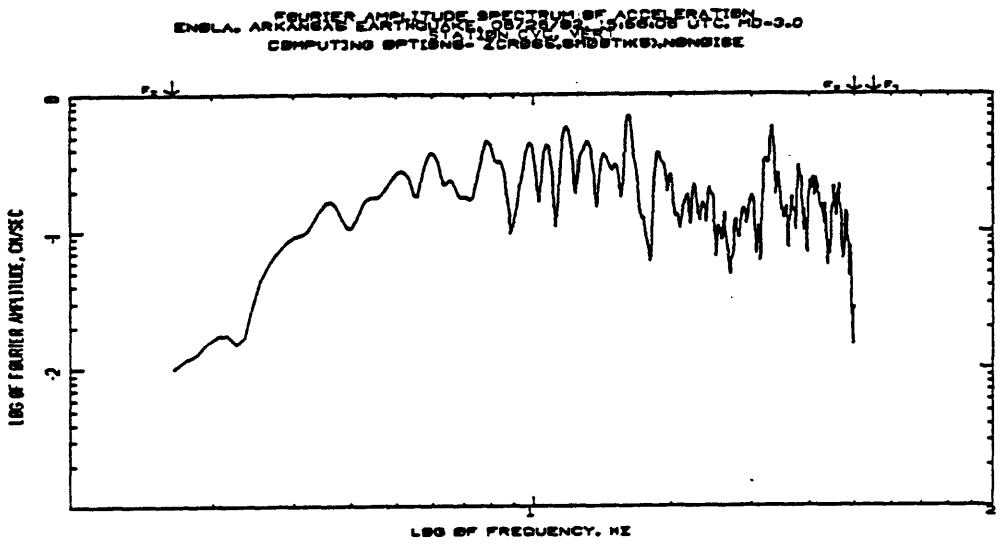

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/20/82, 15:56:06 UTC, Md-3.0
STATIØN CMG, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

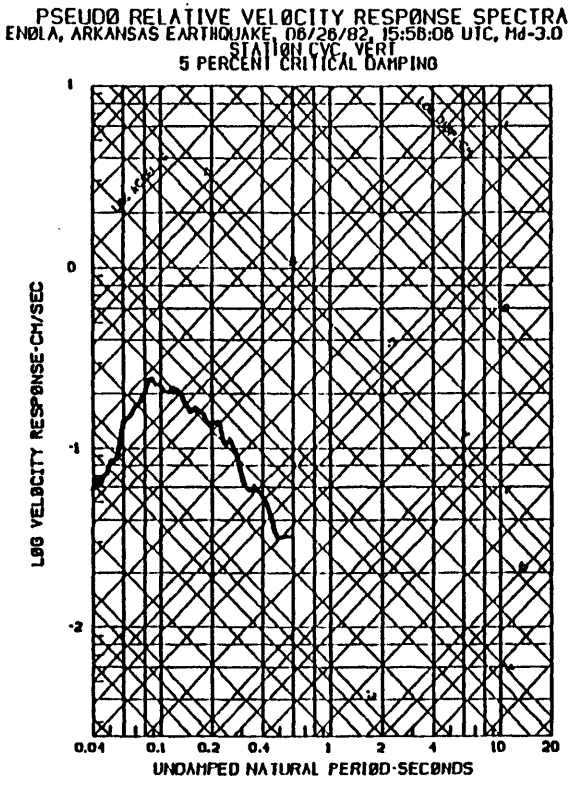

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/20/82, 15:56:06 UTC, Md-3.0
STATIØN CMG, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

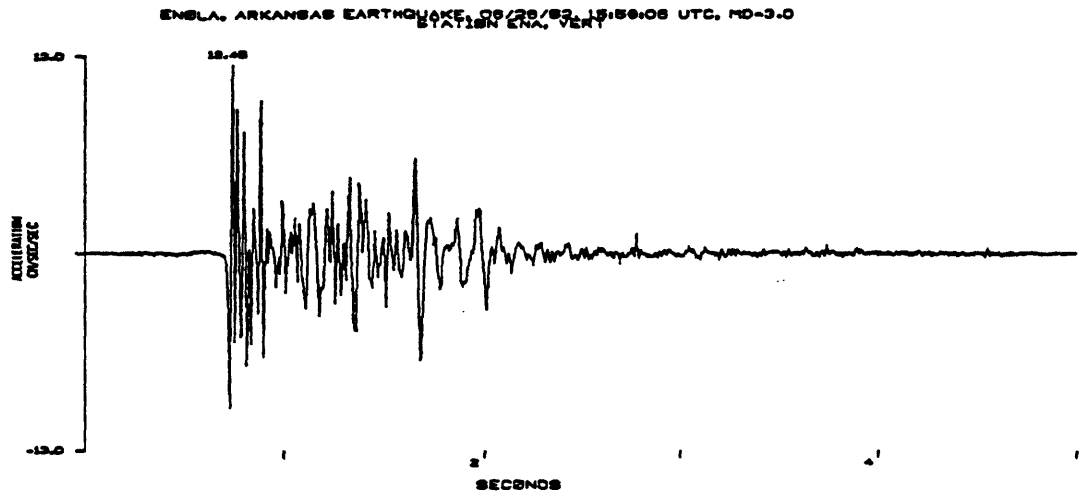

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:08 UTC, MD=3.0
STATION CVC, VERT
7.50
-7.50
DISPLACEMENT
SECONDS

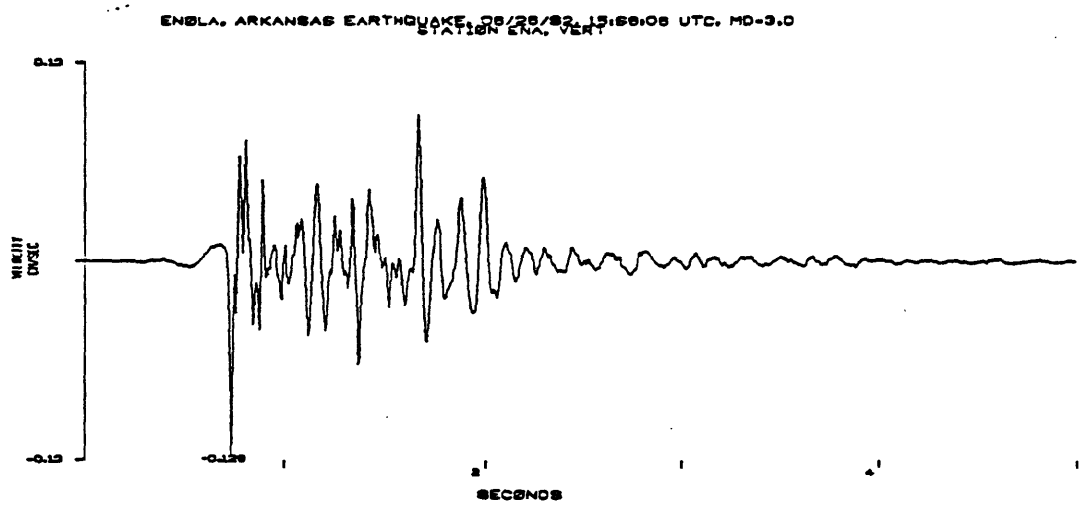

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:08 UTC, MD=3.0
STATION CVC, VERT
0.100
-0.100
VELOCITY
SECONDS

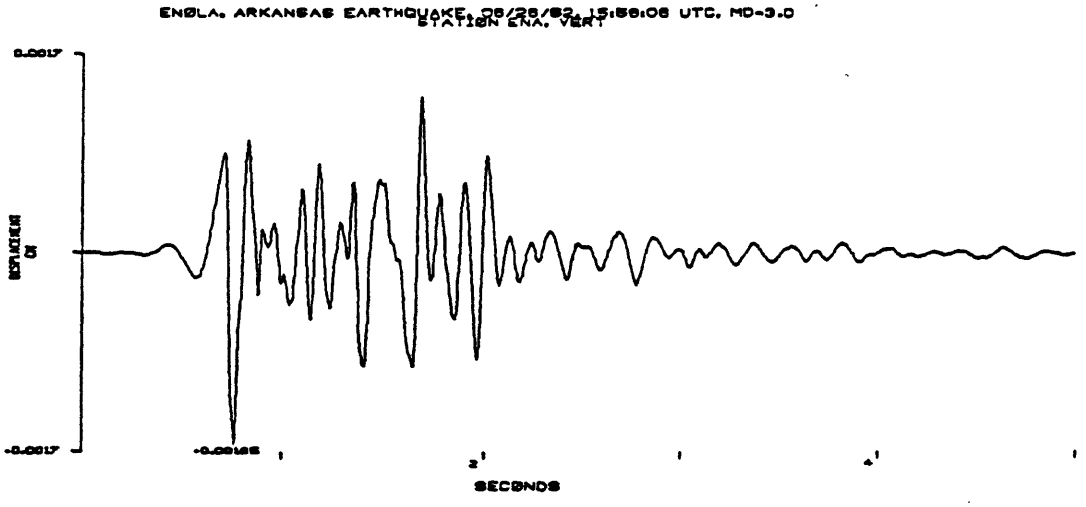

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:08 UTC, MD=3.0
STATION CVC, VERT
0.0027
-0.0027
ACCELERATION
SECONDS

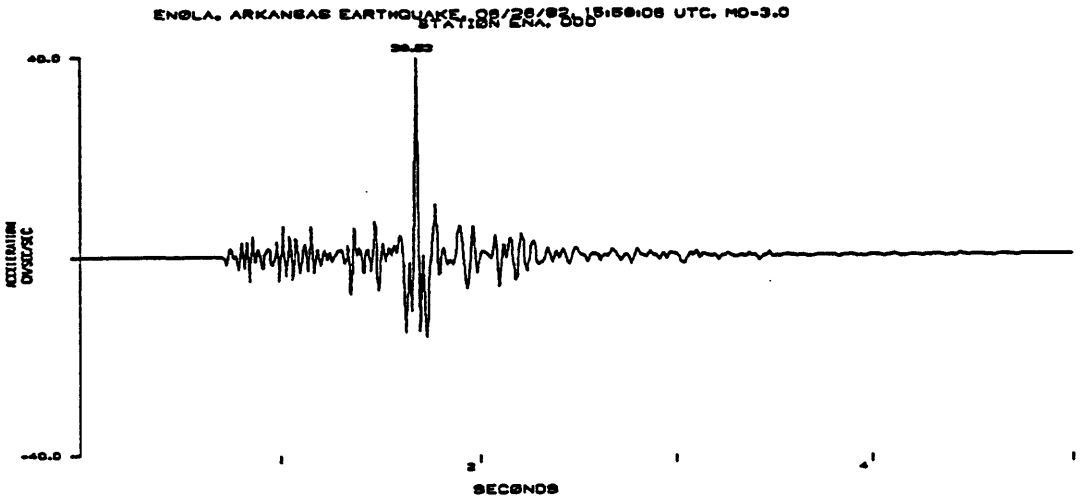

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE 08/26/82 15:50:08 UTC, MD=3.0
STATION CYW VEL
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
-2
1
LOG OF FREQUENCY, HZ

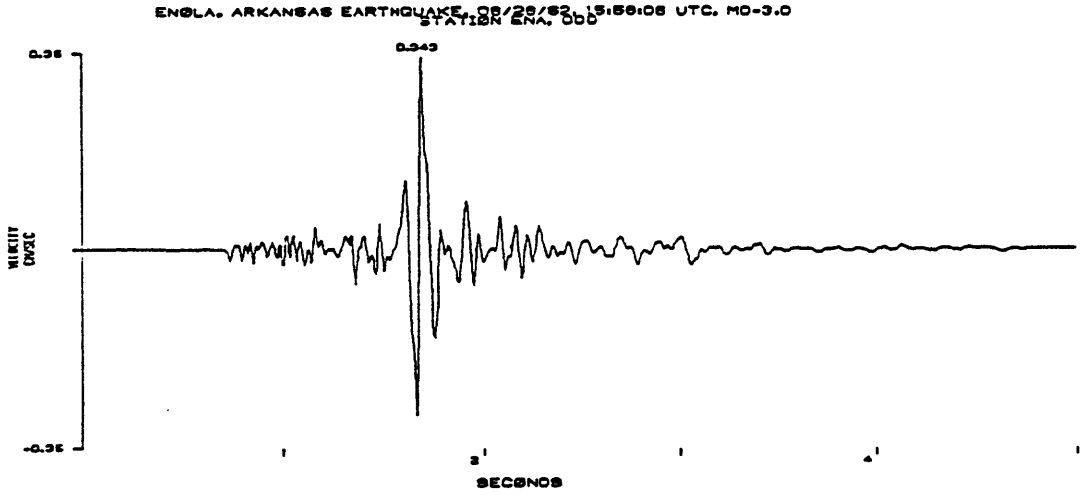

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 15:56:06 UTC, Md-3.0
STATION CVC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

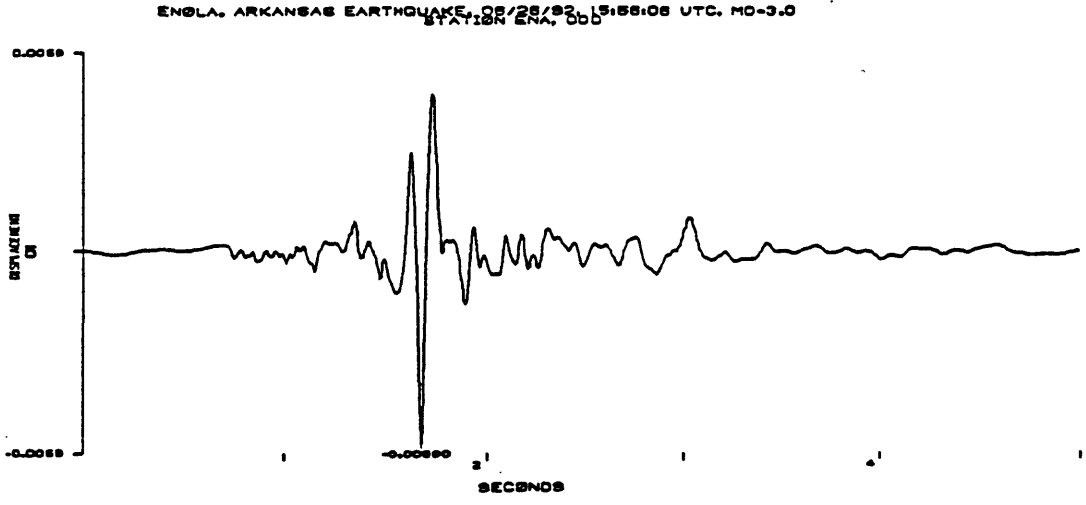

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:56:06 UTC, MD=3.0
STATION ENA, VERT
13.0
12.48
-13.0
SECONDS

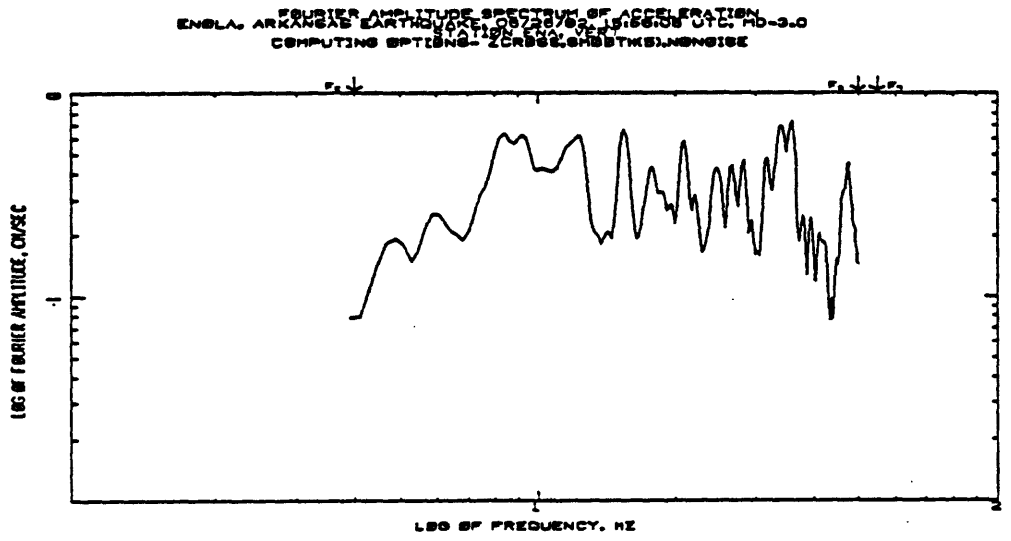

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:56:06 UTC, MD=3.0
STATION ENA, VERT
0.13
-0.13
-0.129
SECONDS

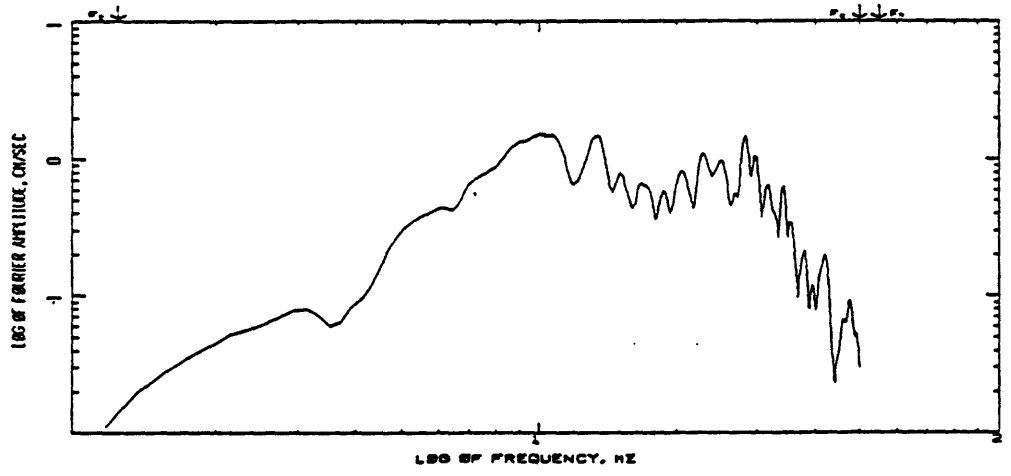

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:56:06 UTC, MD=3.0
STATION ENA, VERT
0.0017
-0.0017
SECONDS

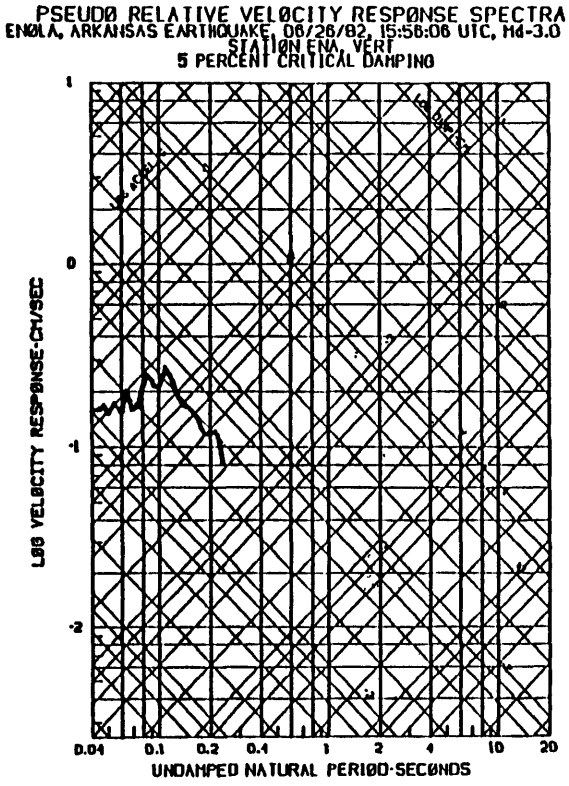

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:56:06 UTC, MD=3.0
STATION ENA, ODD
40.0
-40.0
ACCELERATION CM/SEC/SEC
2
4
SECONDS

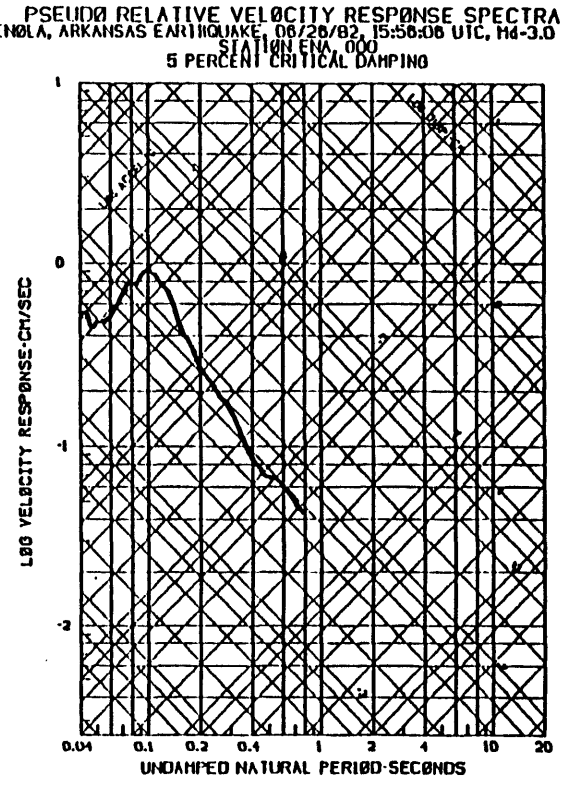

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:56:06 UTC, MD=3.0
STATION ENA, ODD
0.343
-0.35
VELOCITY CM/SEC
2
4
SECONDS

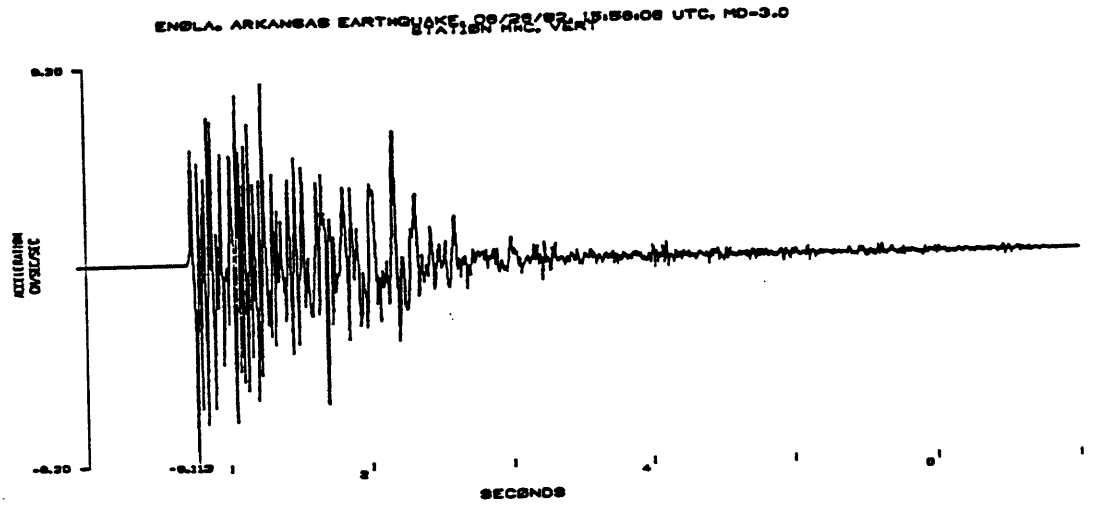

ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:56:06 UTC, MD=3.0
STATION ENA, ODD
-0.00089
DISPLACEMENT CM
2
4
SECONDS

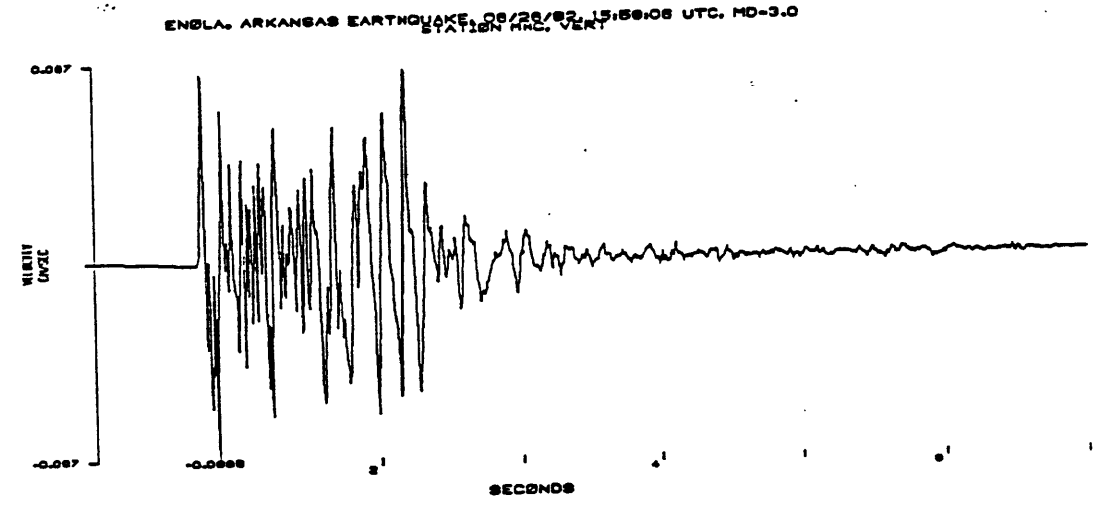

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE 05/26/82, 15:50:08 UTC, MD=3.0
STATION ENA, VERT
COMPUTING OPTIONS- ZCRSGS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

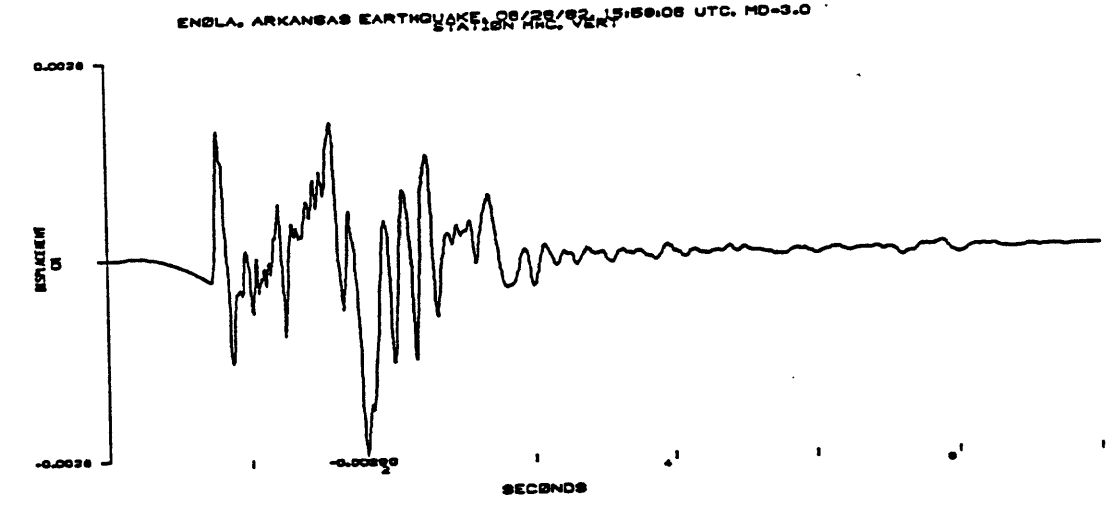

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE 05/26/82, 15:50:08 UTC, MD=3.0
STATION ENA, UP
COMPUTING OPTIONS- ZCRSGS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

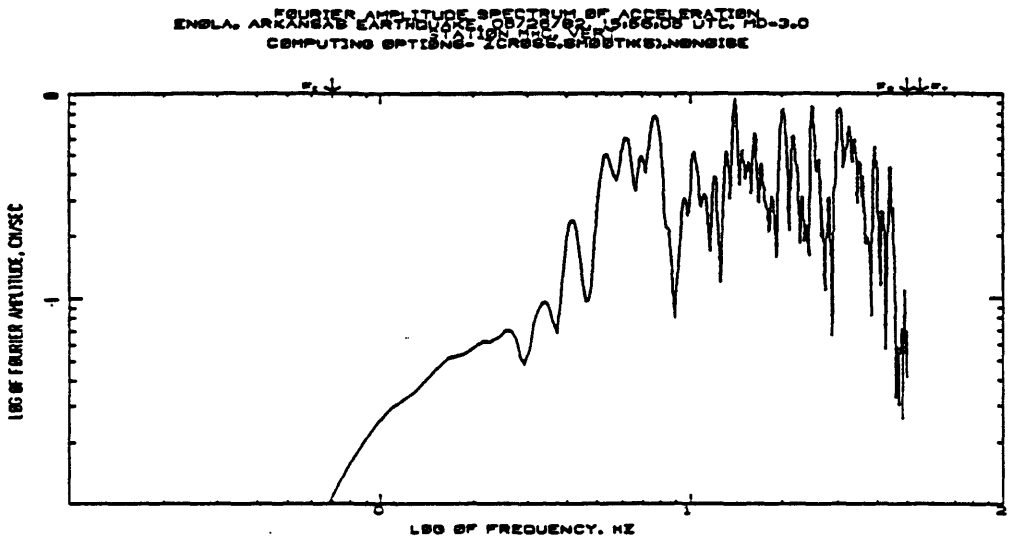

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/28/82, 15:56:06 UTC, Md-3.0
STATIØN ENA, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

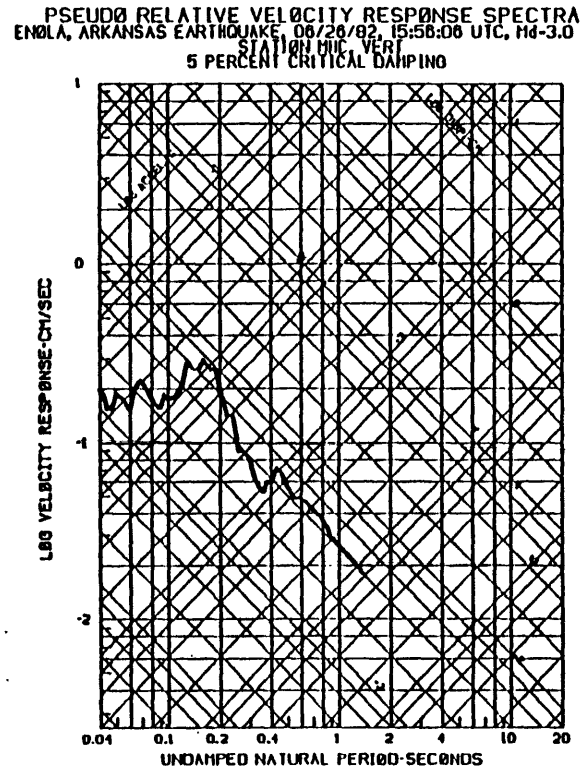

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/28/82, 15:56:06 UTC, Md-3.0
STATIØN ENA, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

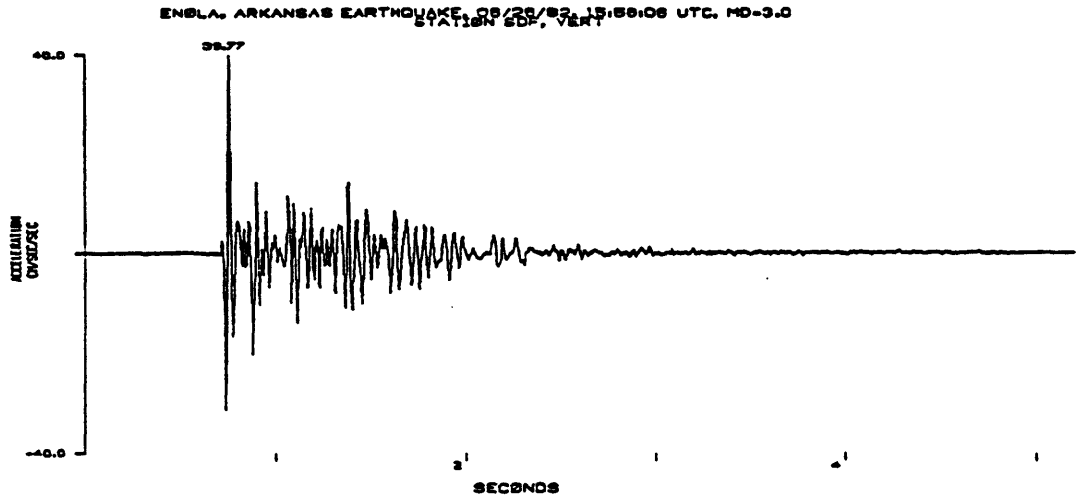

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:59:08 UTC, MD=3.0
STATION HHC, VERT
0.20
ACCELERATION CM/SEC/SEC
-0.20
-0.113
2
4
6
SECONDS

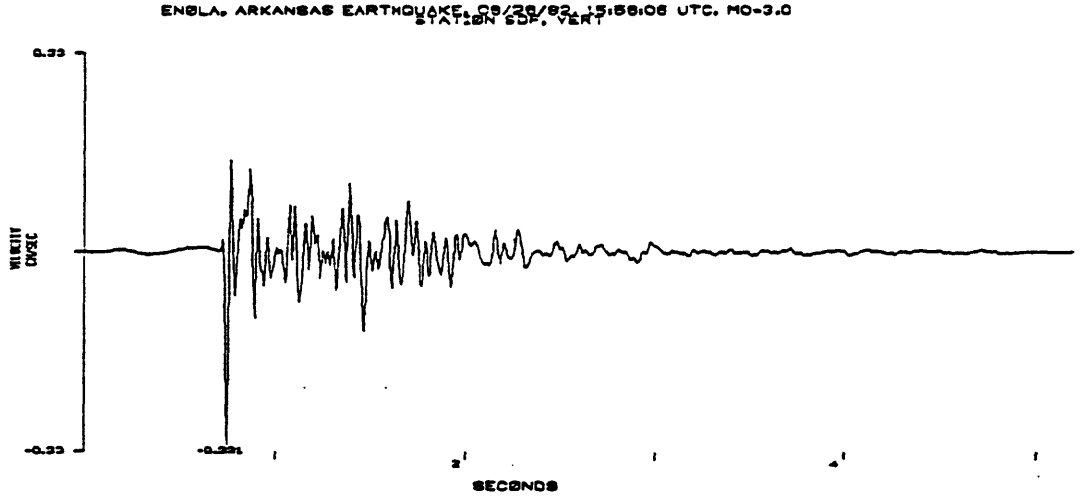

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:59:08 UTC, MD=3.0
STATION HHC, VERT
0.067
VELOCITY CM/SEC
-0.067
-0.0666
2
4
6
SECONDS

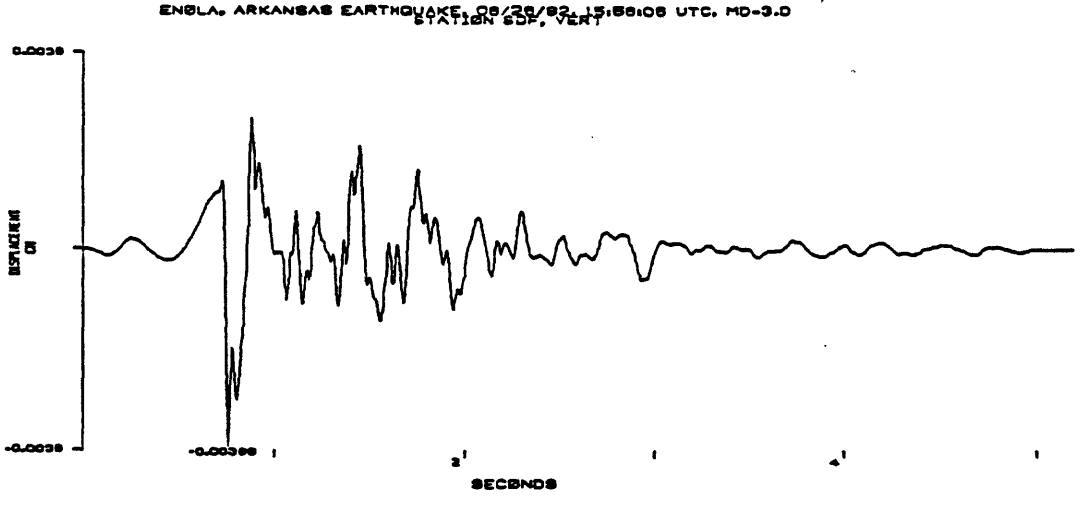

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:59:08 UTC, MD=3.0
STATION HHC, VERT
0.0028
DISPLACEMENT CM
-0.0028
-0.002
2
4
6
SECONDS

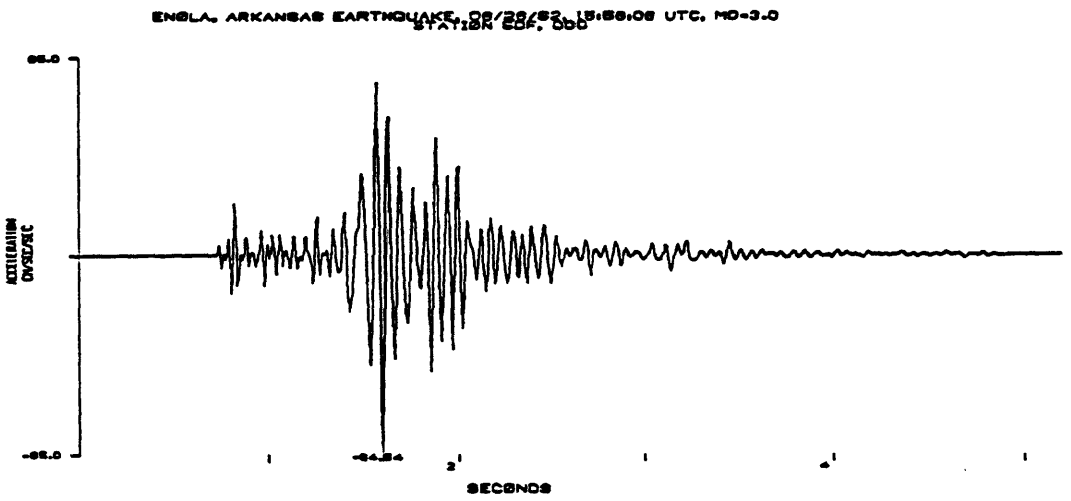

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:56:08 UTC, MD-3.0
STATION MMC, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

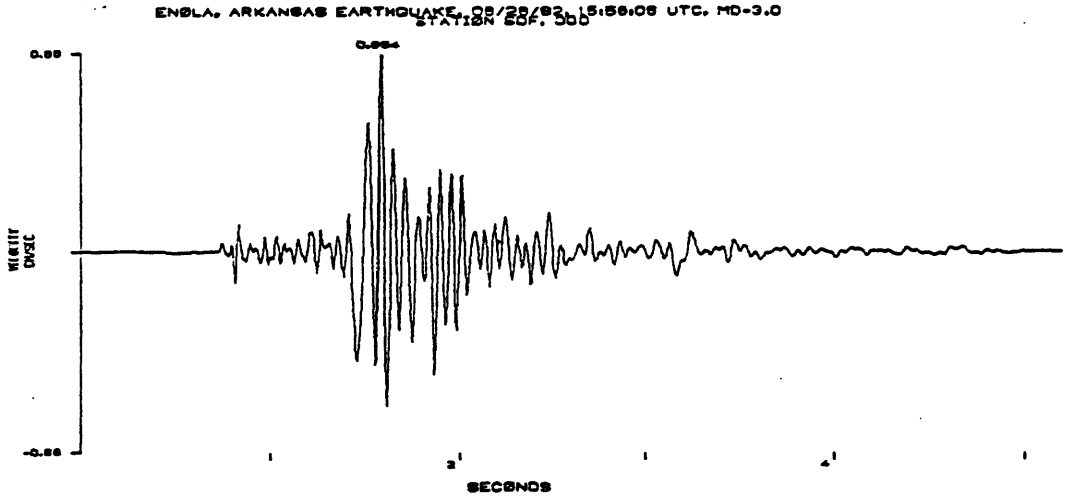

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/20/82, 15:56:06 UTC, Md-3.0
STATIØN HUC VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

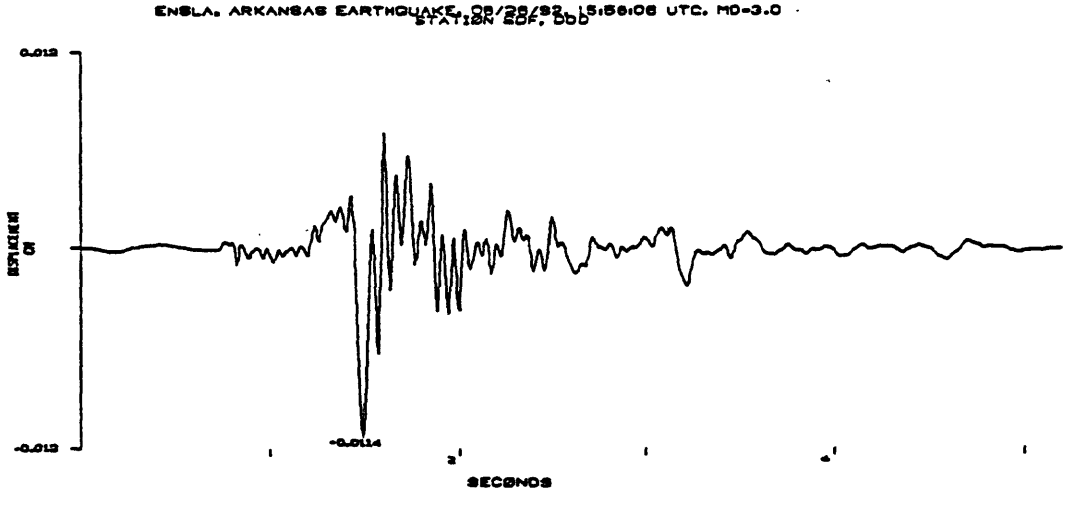

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:06 UTC, MD=3.0
STATION SDF, VERT
40.0
-40.0
SECONDS

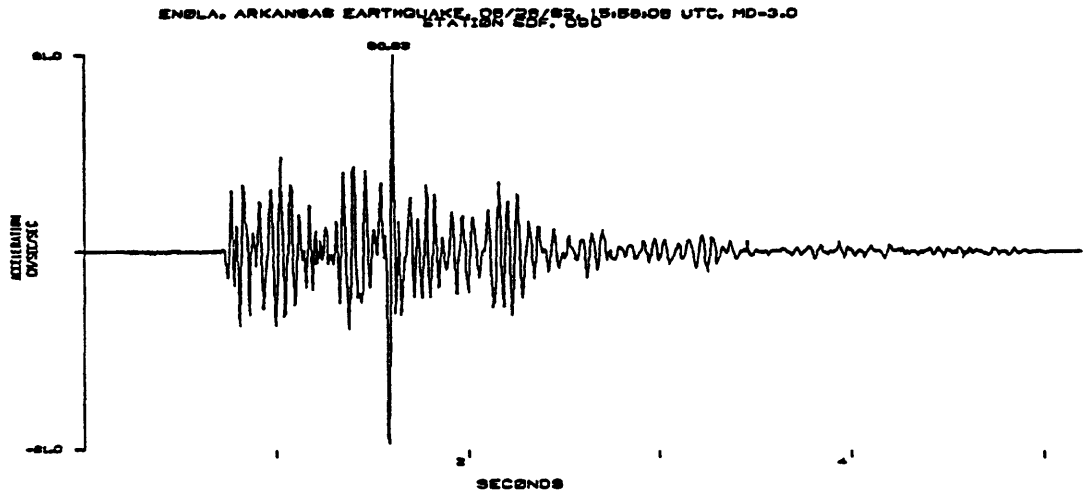

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:06 UTC, MD=3.0
STATION SDF, VERT
0.33
-0.33
SECONDS

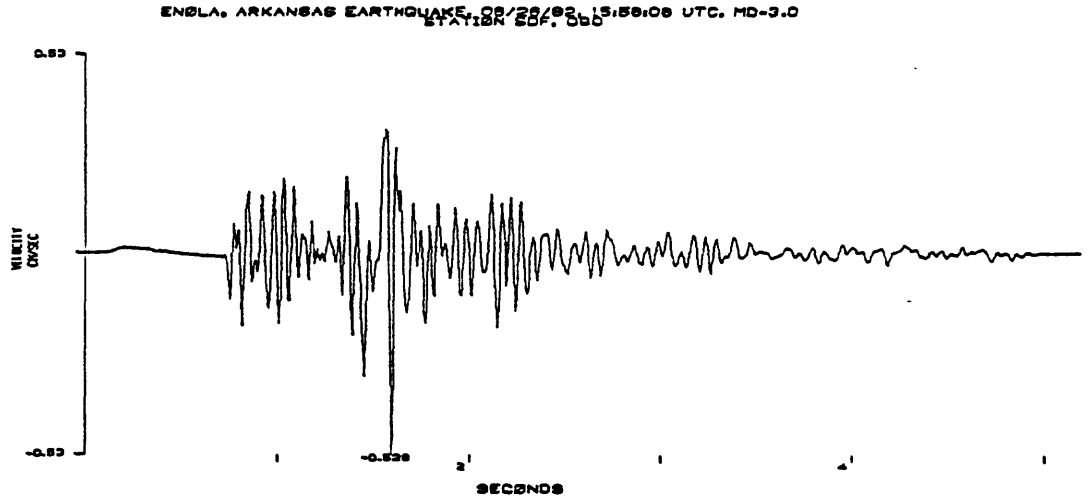

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:06 UTC, MD=3.0
STATION SDF, VERT
0.0039
-0.0039
SECONDS

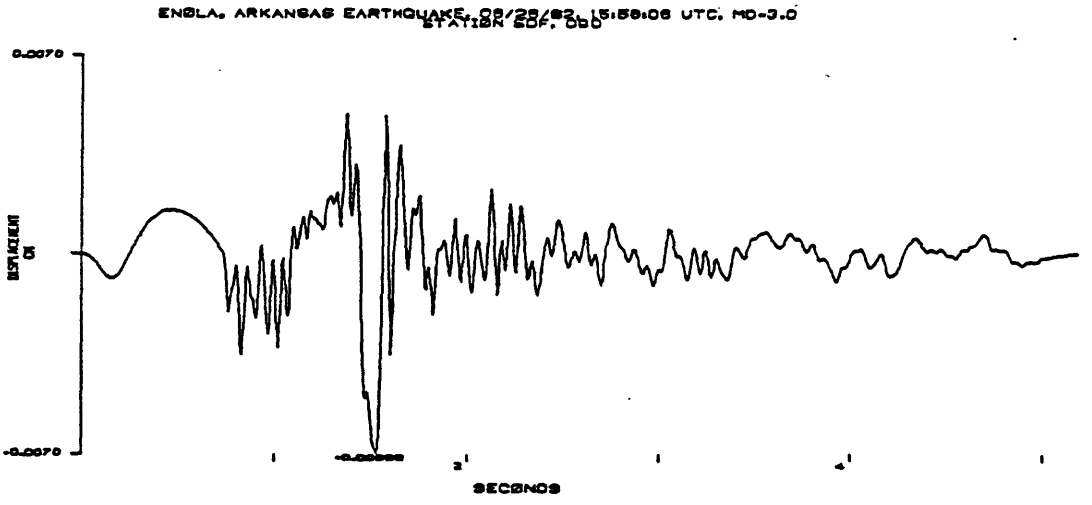

ENOLA, ARKANSAS EARTHQUAKE, 08/29/93, 15:56:08 UTC, MD=3.0
STATION EOF, DDD
ACCELERATION CM/SEC/SEC
SECONDS

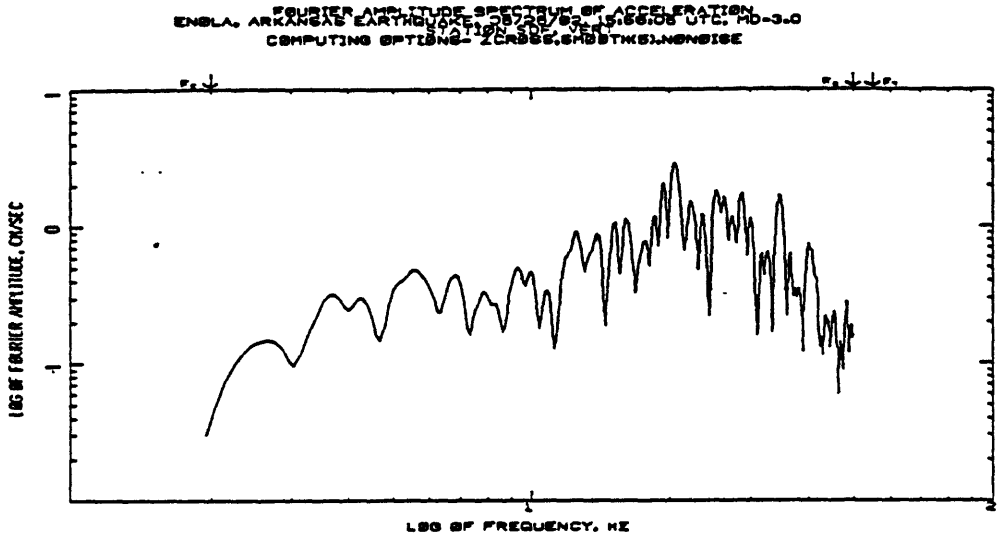

ENOLA, ARKANSAS EARTHQUAKE, 08/29/93, 15:56:08 UTC, MD=3.0
STATION EOF, DDD
VELOCITY CM/SEC
SECONDS

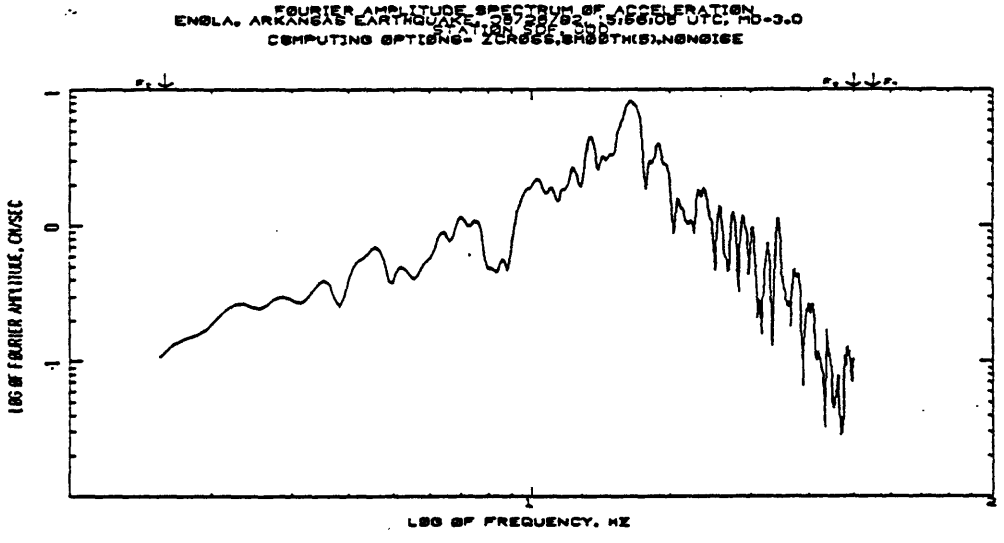

ENOLA, ARKANSAS EARTHQUAKE, 08/29/93, 15:56:08 UTC, MD=3.0
STATION EOF, DDD
DISPLACEMENT CM
SECONDS

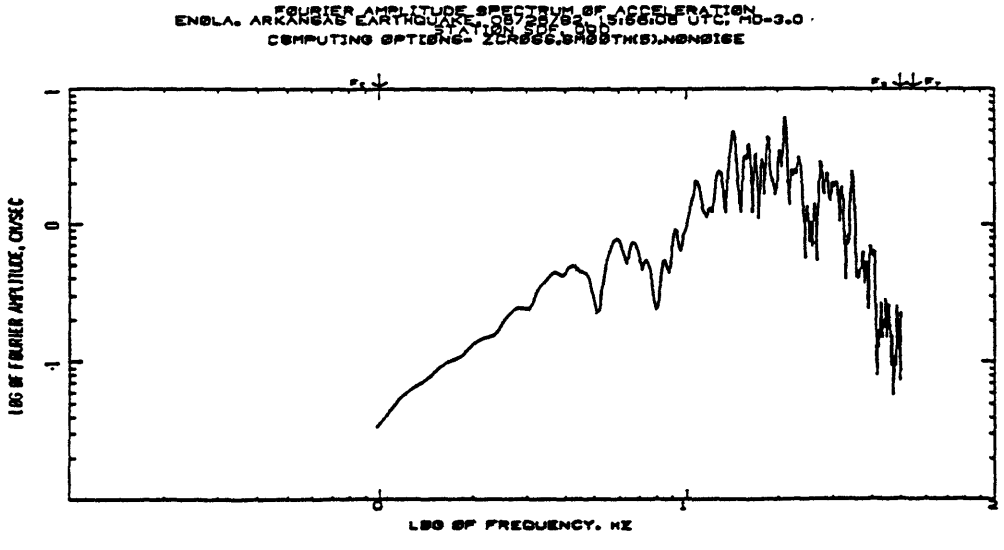

ENØLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION EOF, DDD
SECØNDS

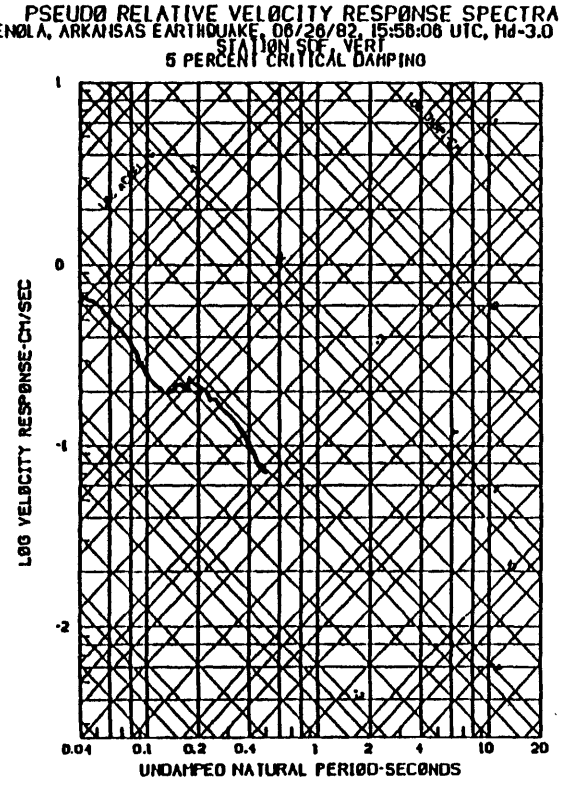

ENØLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION EOF, DDD
SECØNDS

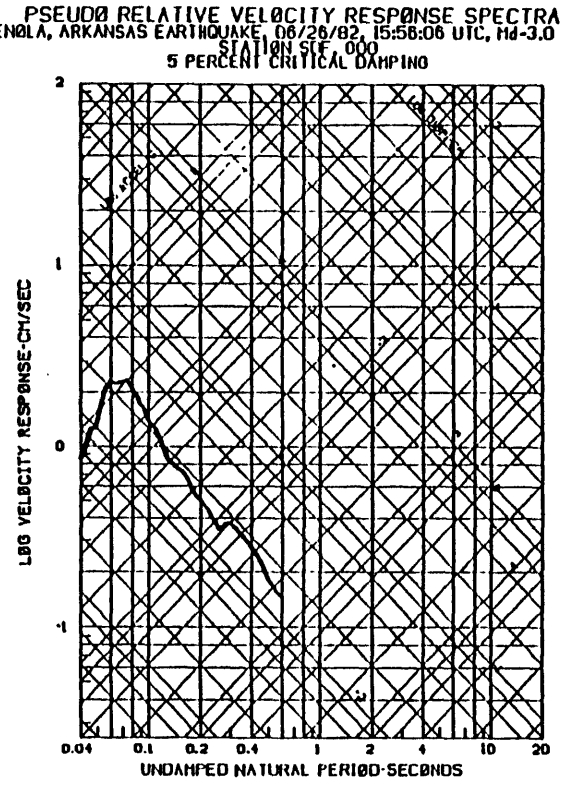

ENØLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION EOF, DDD
SECØNDS

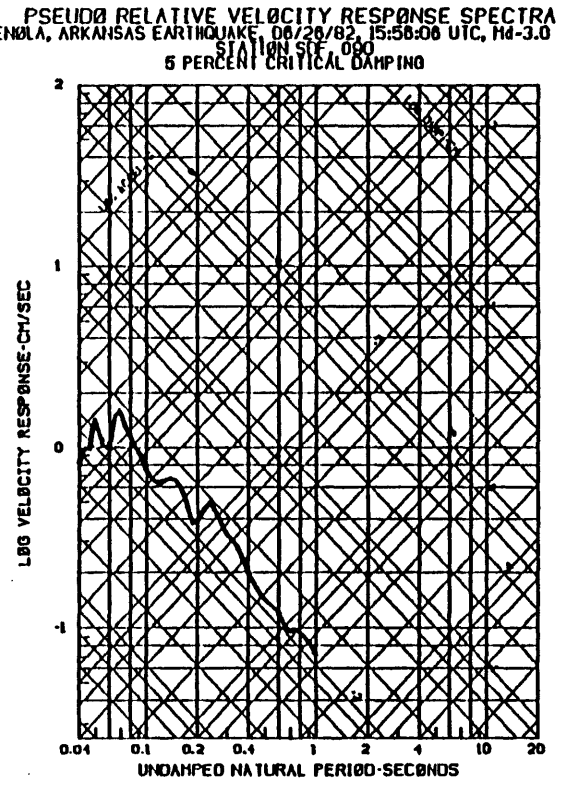

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION SOE, SHD
COMPUTING OPTIONS= ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

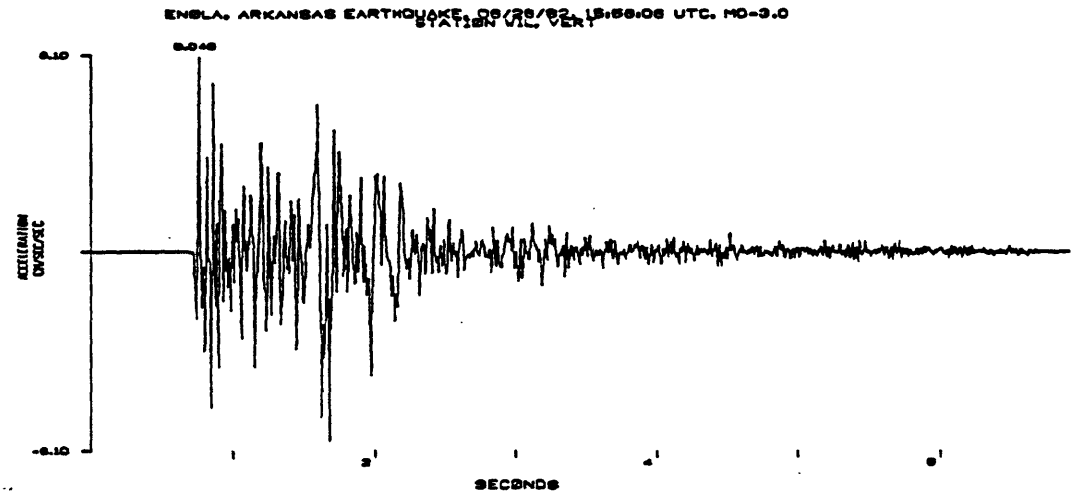

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION SOE, SHD
COMPUTING OPTIONS= ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

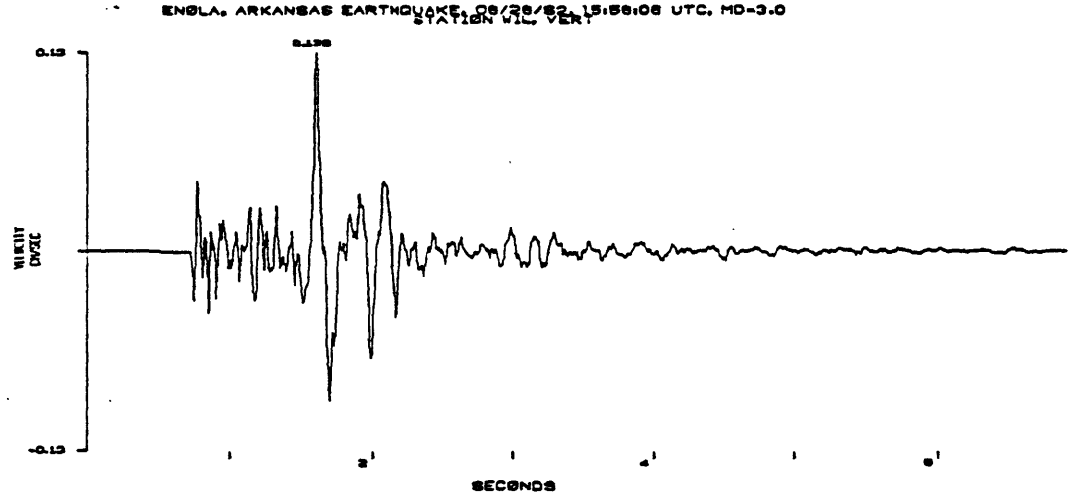

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION SOE, SHD
COMPUTING OPTIONS= ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

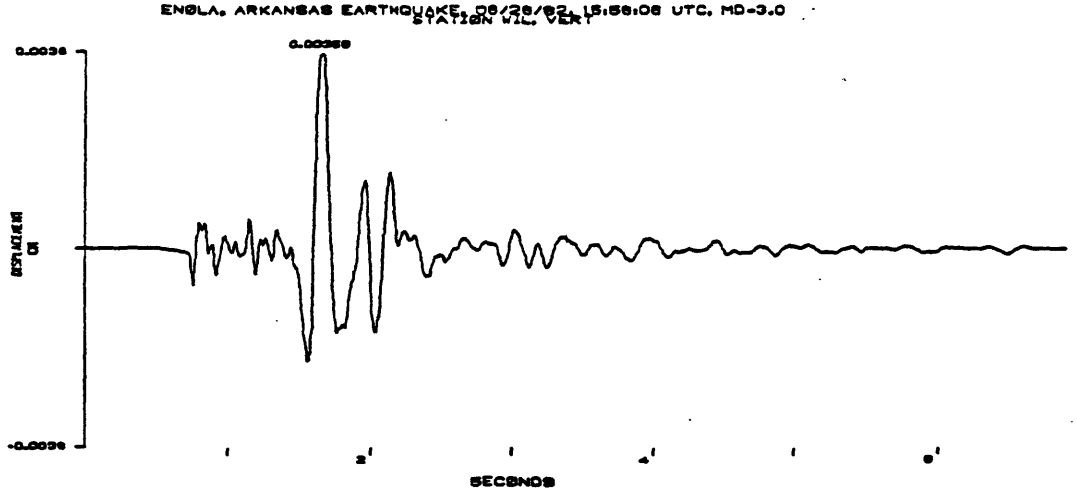

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 15:58:06 UTC, Md-3.0
STATIØN SCE, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

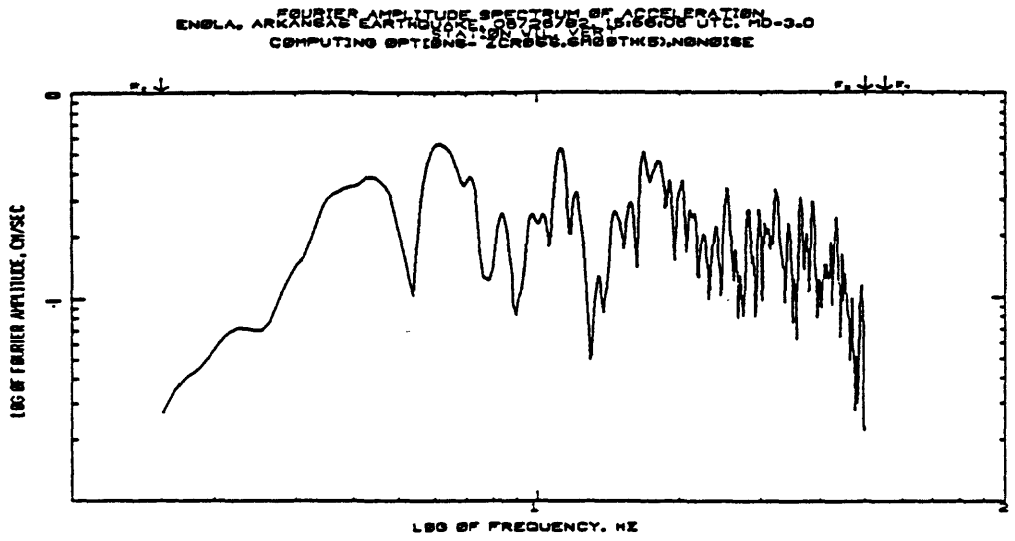

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 15:58:06 UTC, Md-3.0
STATIØN SCE, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
2
1
0
-1
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

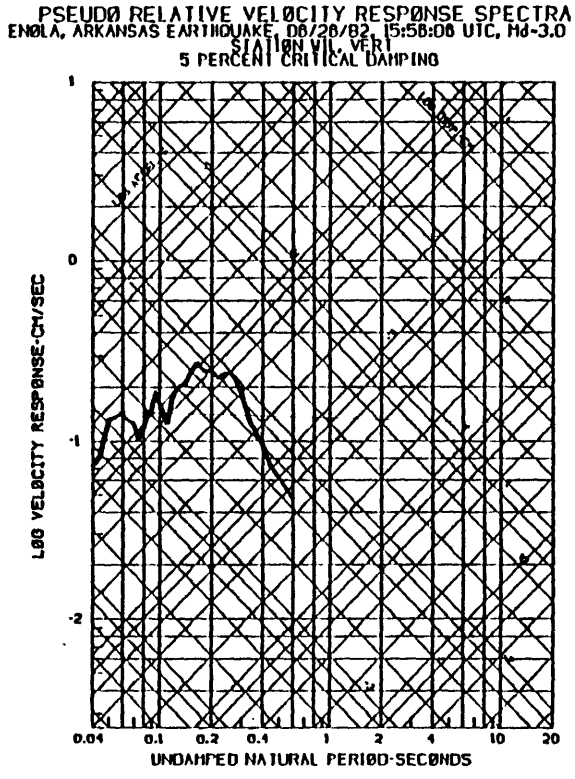

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 15:58:06 UTC, Md-3.0
STATIØN SCE, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
2
1
0
-1
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

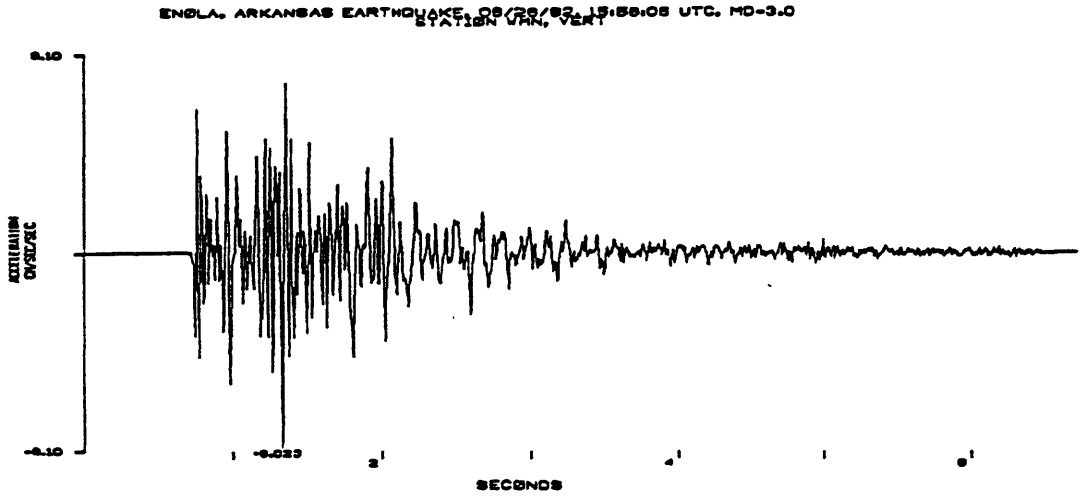

ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION WIL, VERT
0.10
-0.10
SECONDS

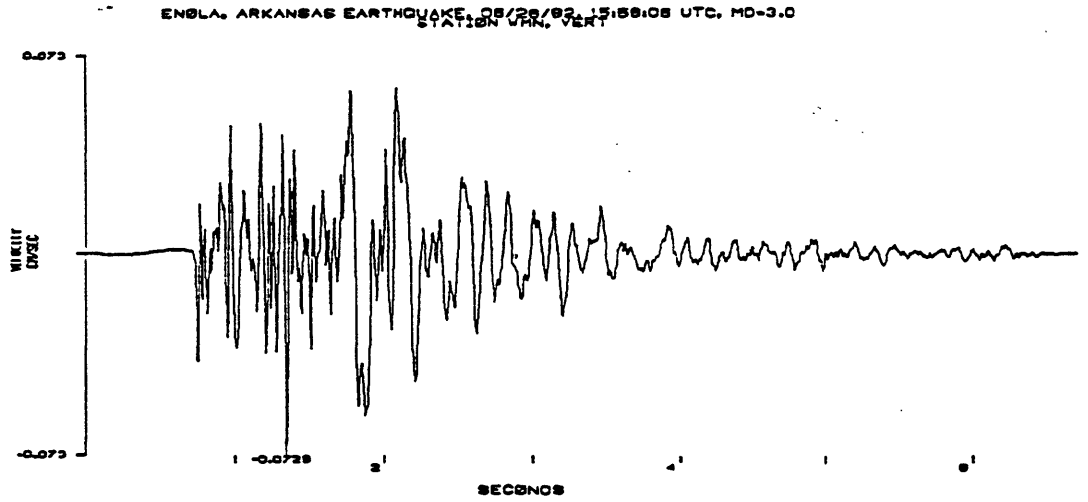

ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION WIL, VERT
0.13
-0.13
SECONDS

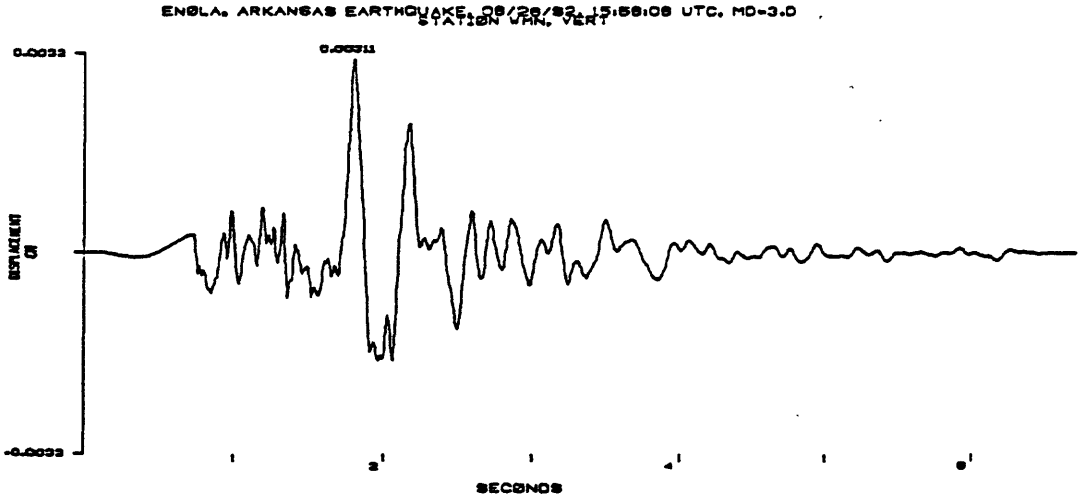

ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD=3.0
STATION WIL, VERT
SECONDS


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/26/82, 15:56:06 UTC, MD=3.0
STATION VIL, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

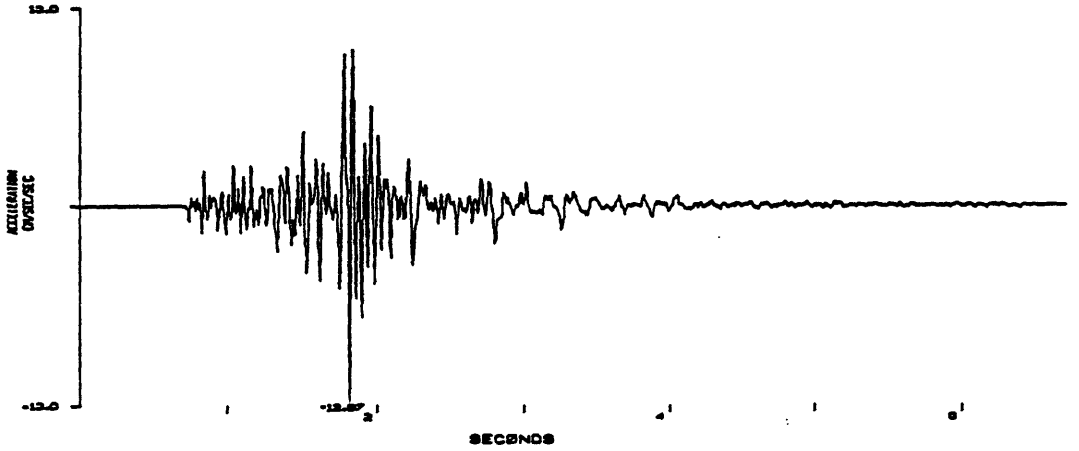

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 15:56:06 UTC, Md-3.0
STATION VIL, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS


ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:08 UTC, MD=3.0
STATION VHN, VERT
0.10
-0.10
-0.023
SECONDS

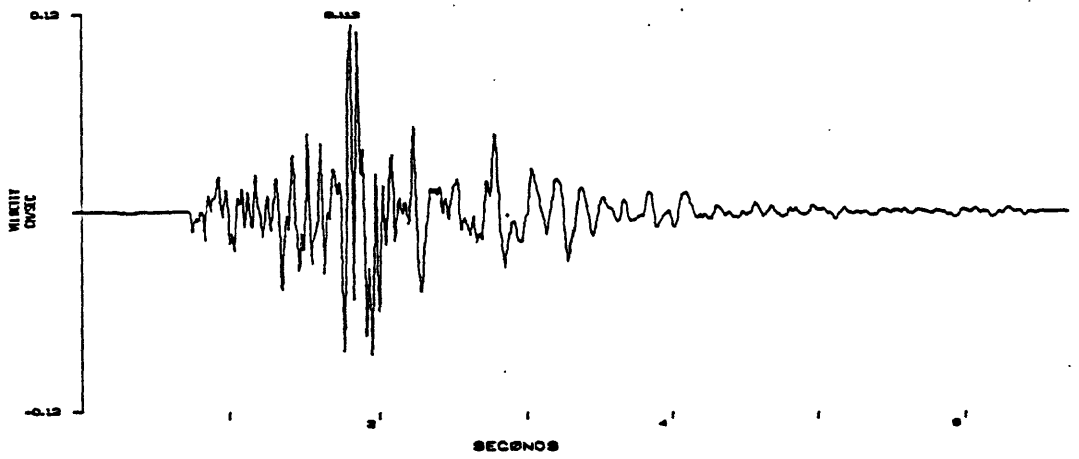

ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:08 UTC, MD=3.0
STATION VHN, VERT
0.073
-0.073
-0.0729
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 09/28/82, 15:56:08 UTC, MD=3.0
STATION VHN, VERT
0.0022
-0.0022
0.00211
SECONDS

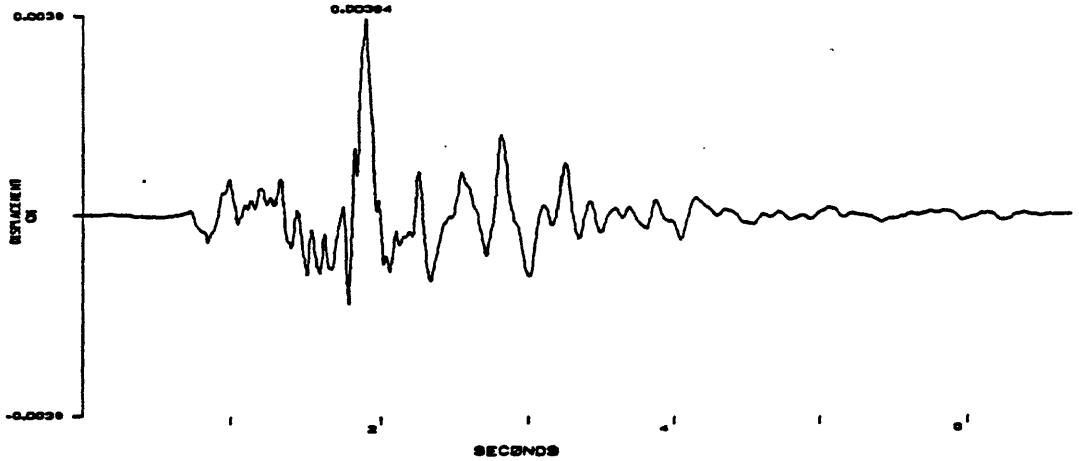
ENØLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:08 UTC, MD=3.0
STATION UHN, ISO

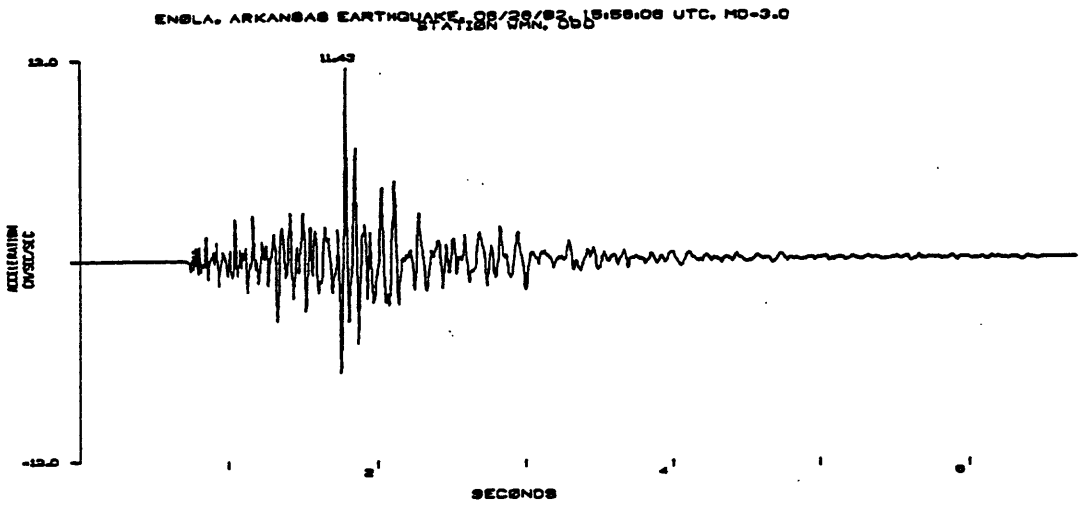


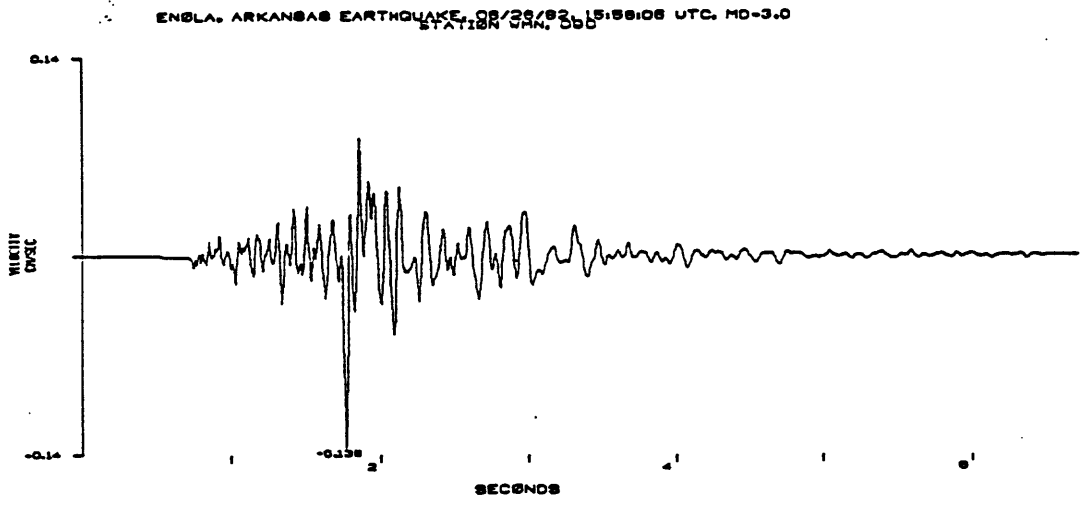
ENØLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:08 UTC, MD=3.0
STATION UHN, ISO

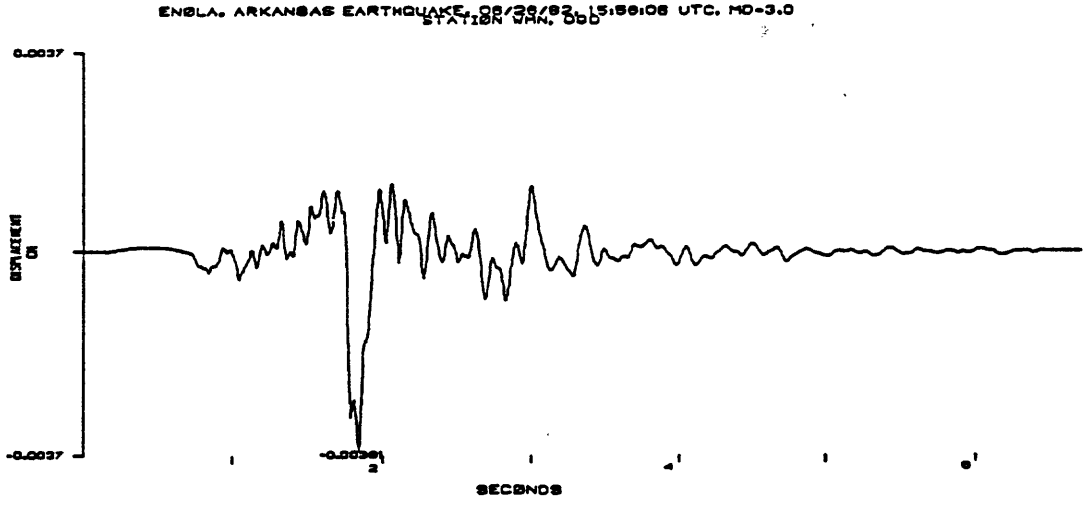


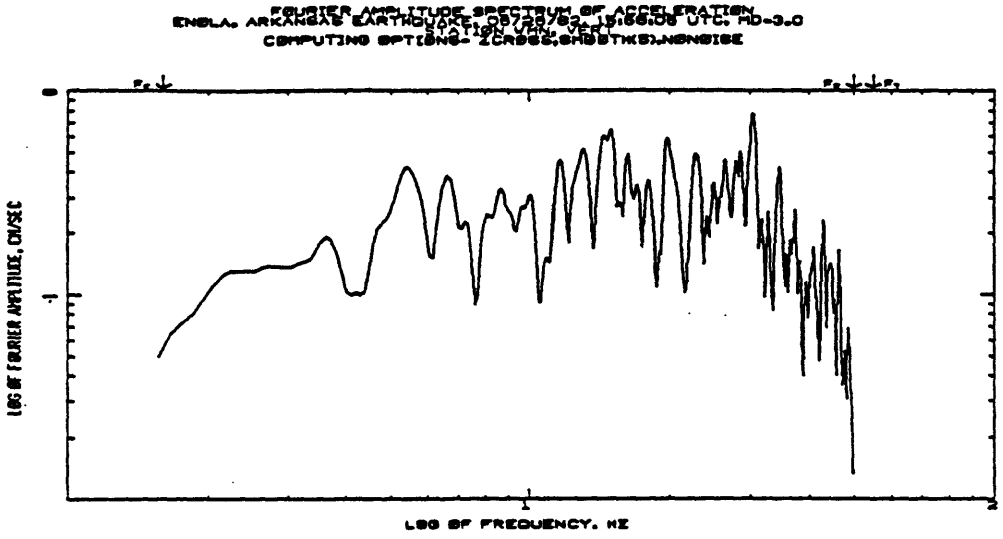
ENØLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:08 UTC, MD=3.0
STATION UHN, ISO

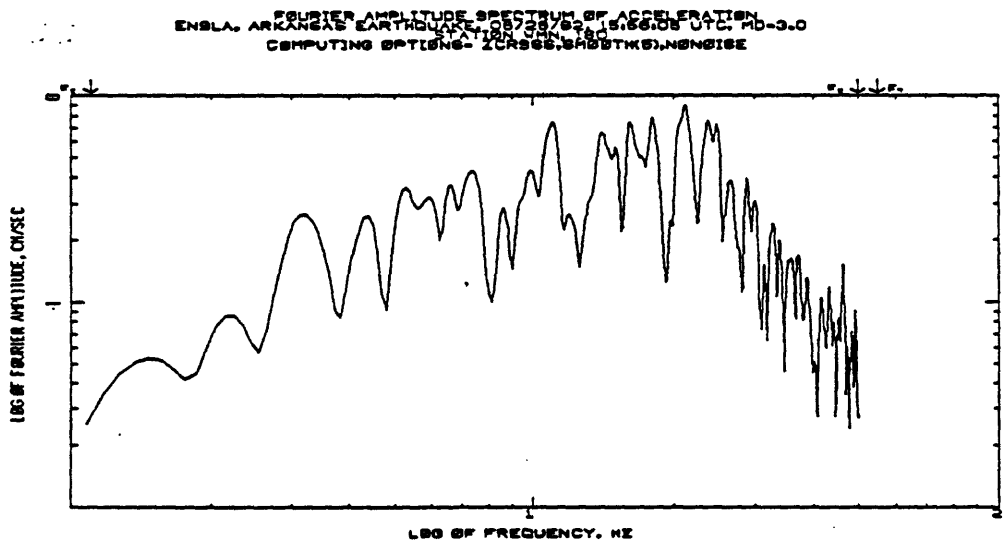


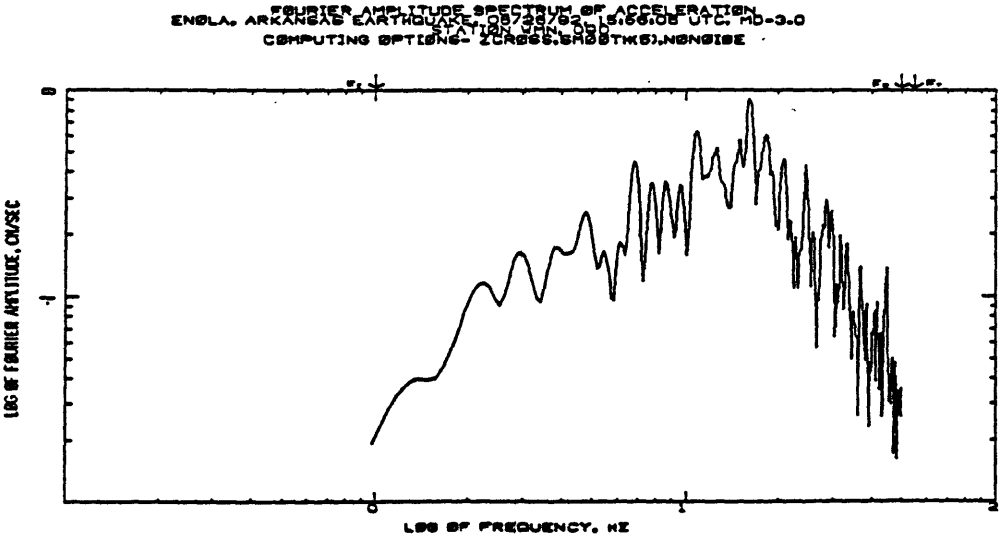

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:06 UTC, MD=3.0
STATION UHN, DDD
12.0
11.43
-12.0
SECONDS

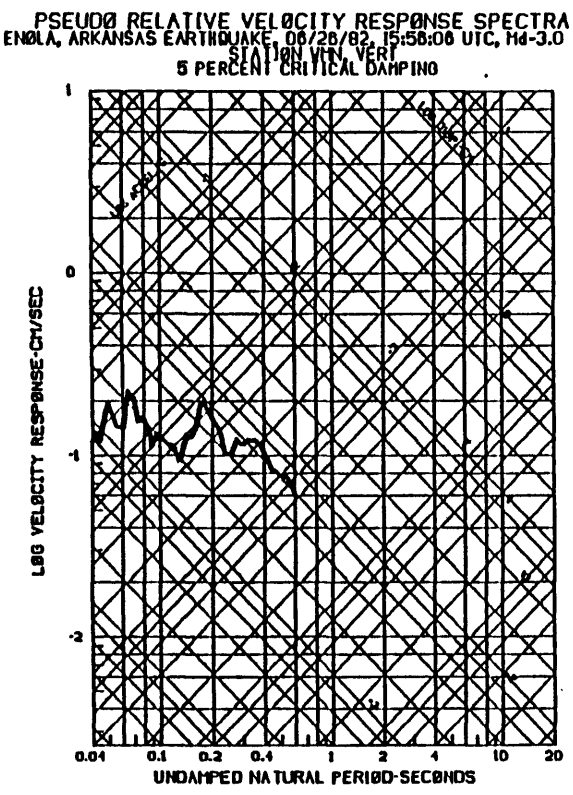

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:06 UTC, MD=3.0
STATION UHN, DDD
0.14
-0.14
SECONDS

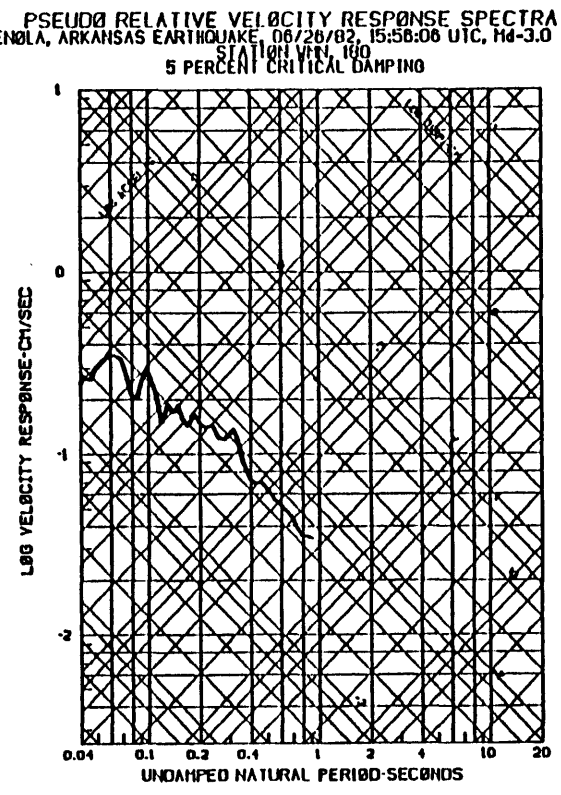

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 15:56:06 UTC, MD=3.0
STATION UHN, DDD
0.0037
-0.0037
SECONDS

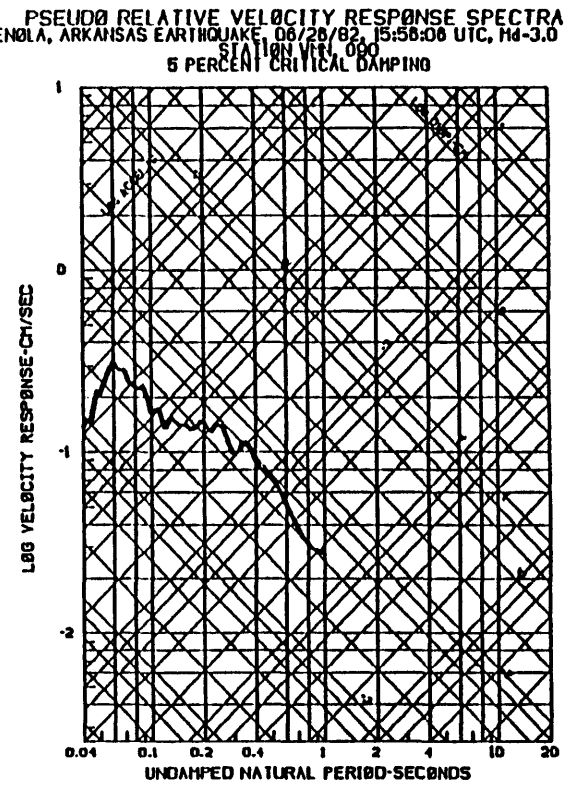

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD-3.0
STATION VMN, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

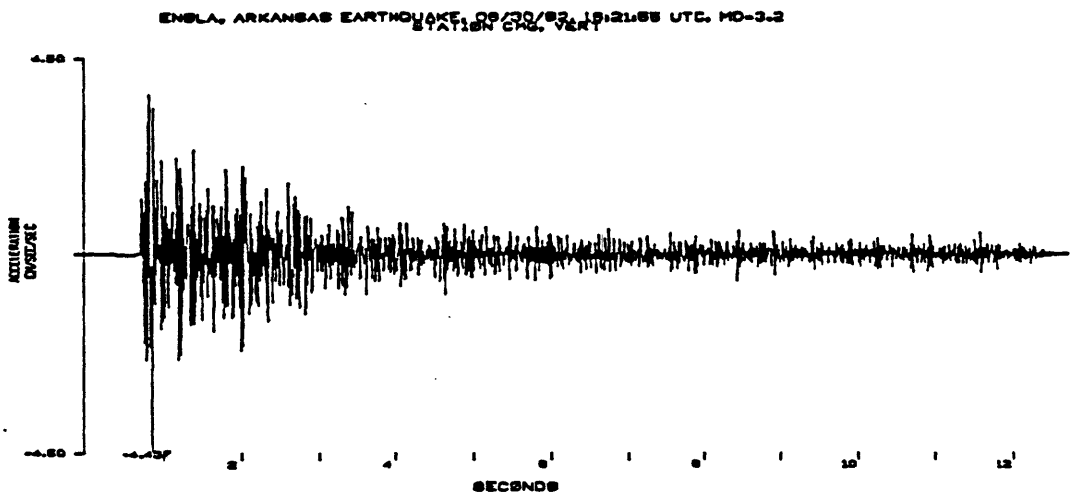

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD-3.0
STATION VMN, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

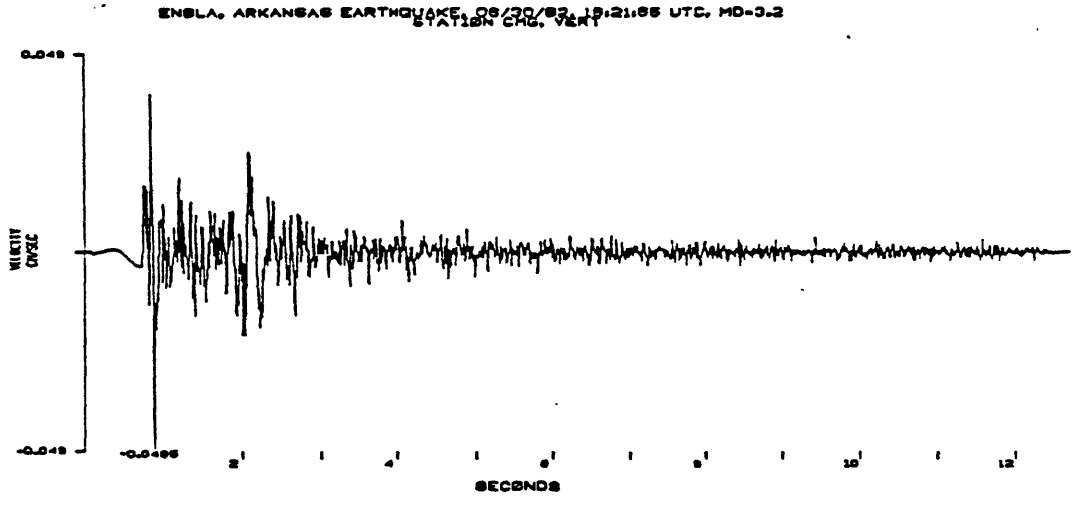

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/28/82, 15:56:08 UTC, MD-3.0
STATION VMN, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

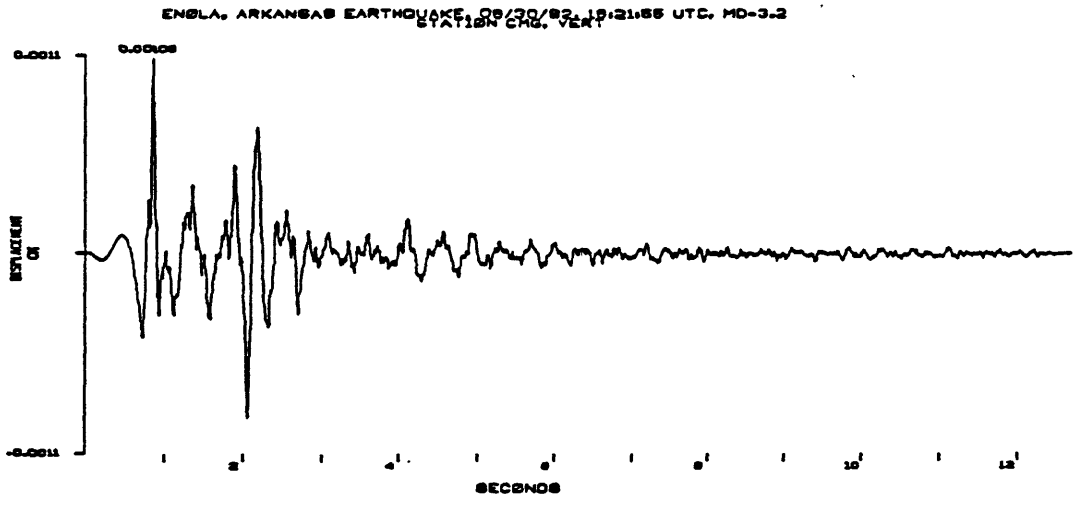

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 15:58:06 UTC, Md-3.0
STATIØN VHN, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

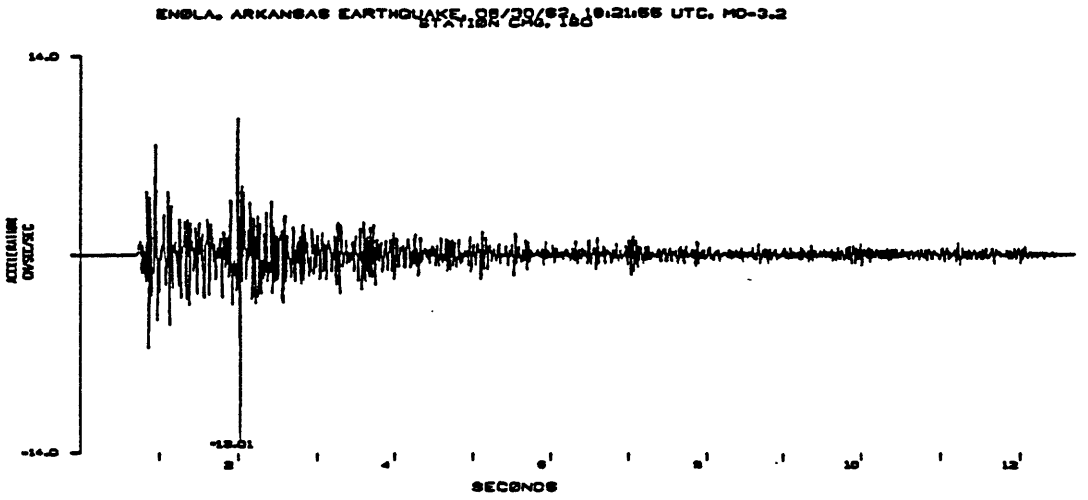

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 15:58:06 UTC, Md-3.0
STATIØN VHN, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

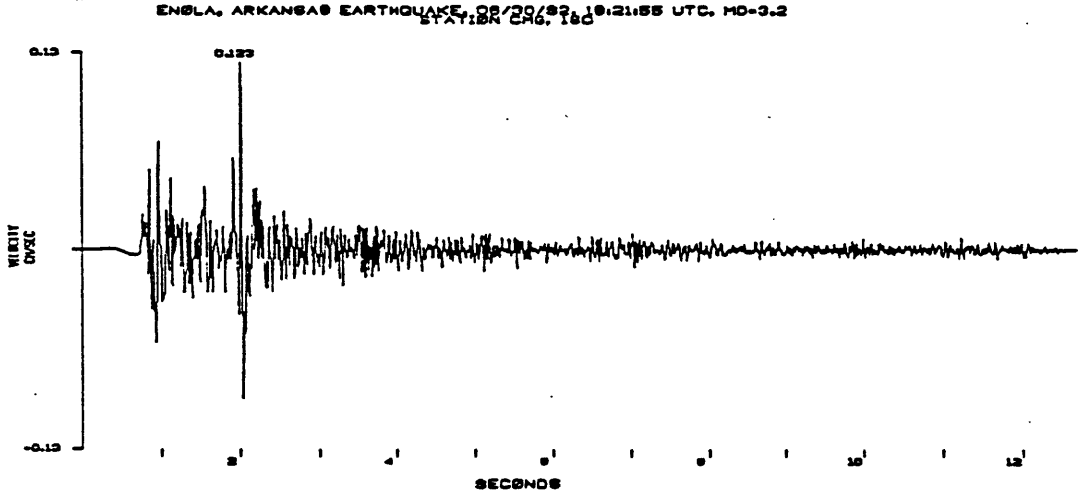

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/26/82, 15:58:06 UTC, Md-3.0
STATIØN VHN, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

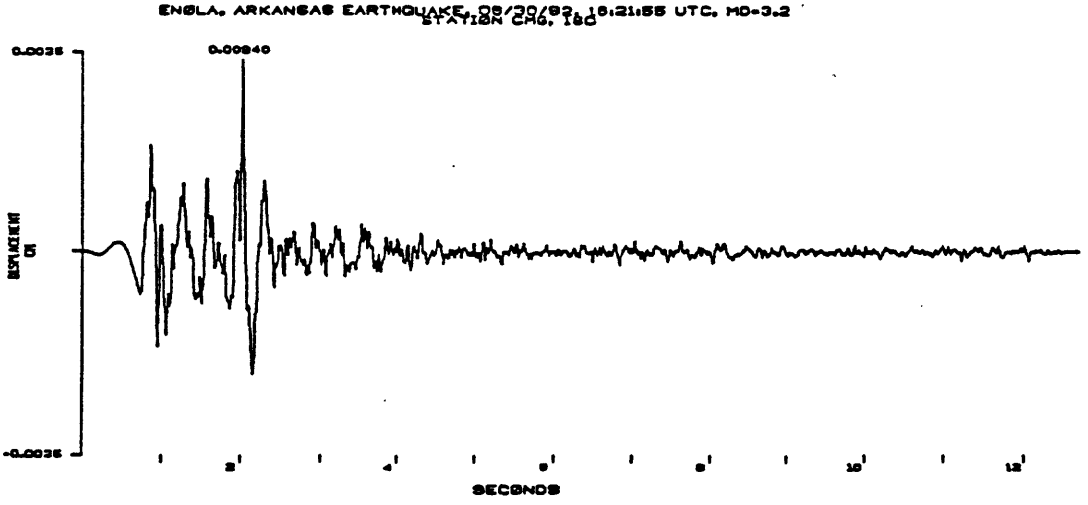

ENOLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATION CHG, VERT
SECONDS

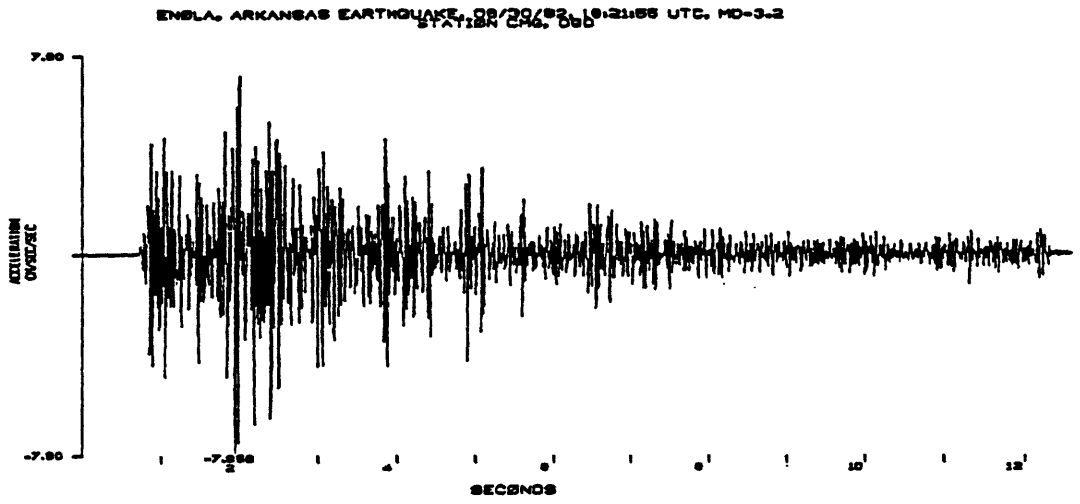

ENOLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATION CHG, VERT
SECONDS

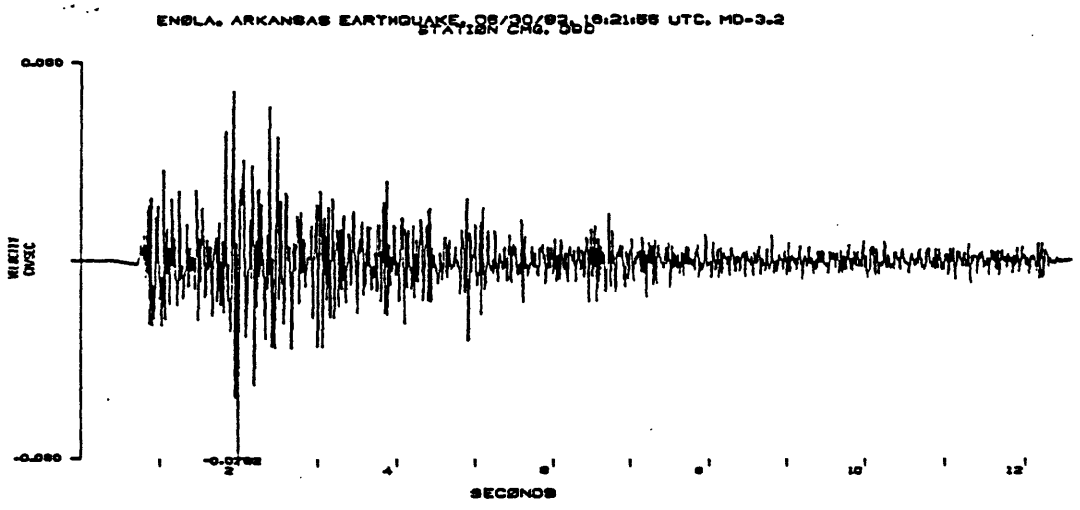

ENOLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATION CHG, VERT
SECONDS

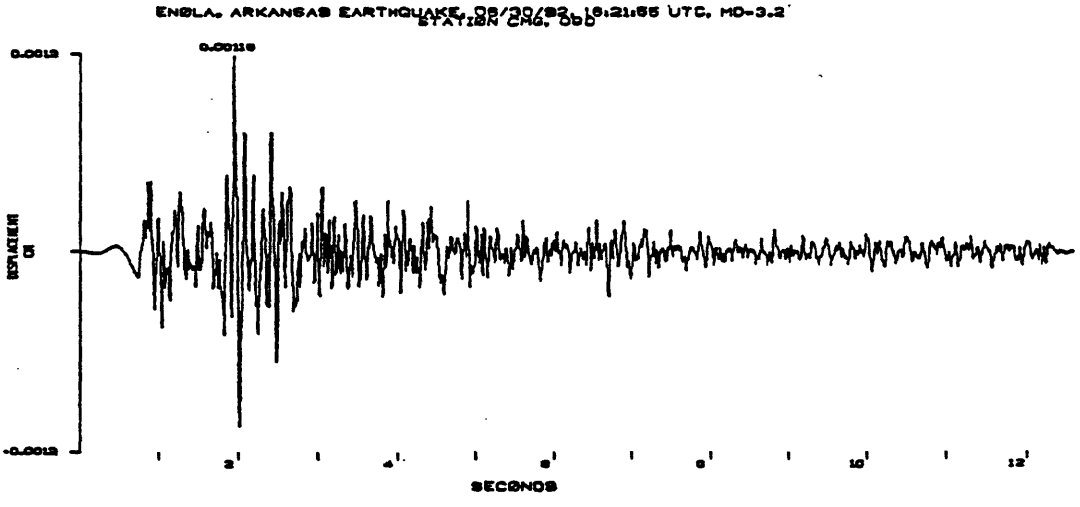

ENGLA, ARKANSAS EARTHQUAKE, 08/29/93, 10:21:55 UTC, MD=3.2
STATION CHG, I&O
14.0
-14.0
-12.01
SECONDS

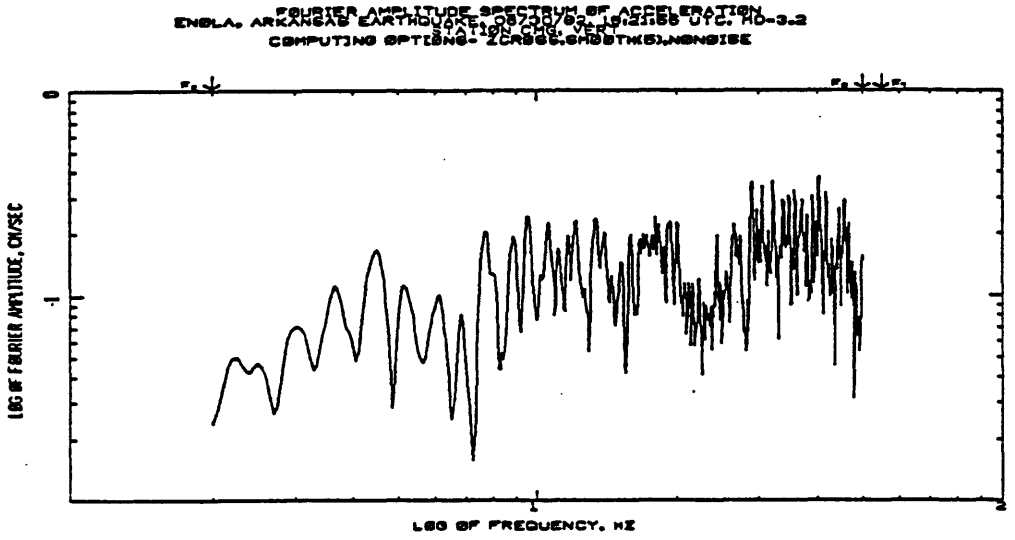

ENGLA, ARKANSAS EARTHQUAKE, 08/29/93, 10:21:55 UTC, MD=3.2
STATION CHG, I&O
0.12
-0.12
0.123
SECONDS

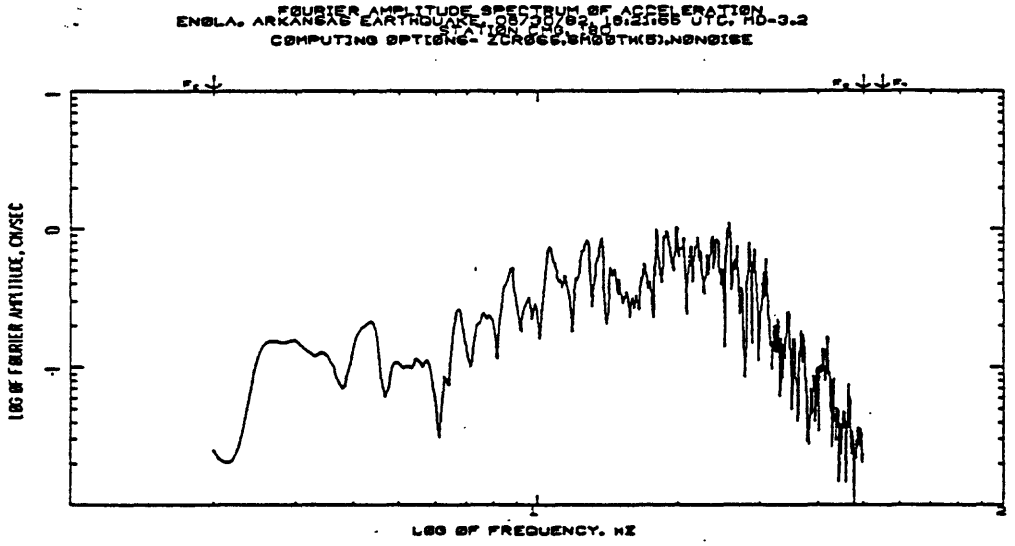

ENGLA, ARKANSAS EARTHQUAKE, 08/29/93, 10:21:55 UTC, MD=3.2
STATION CHG, I&O
0.0035
-0.0035
0.00340
SECONDS

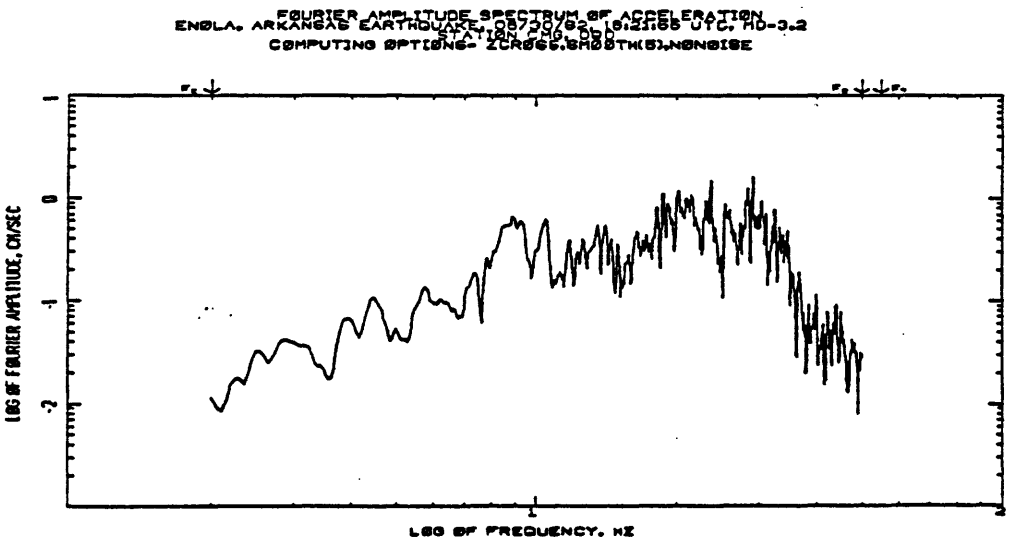

ENØLA, ARKANSAS EARTHQUAKE, 08/30/92, 16:21:55 UTC, MD-3.2
STATIØN CMG, DBD
7.90
-7.90
ACCELERATION
CM/SEC/SEC
-7.958
2
4
6
8
10
12
SECØNDS

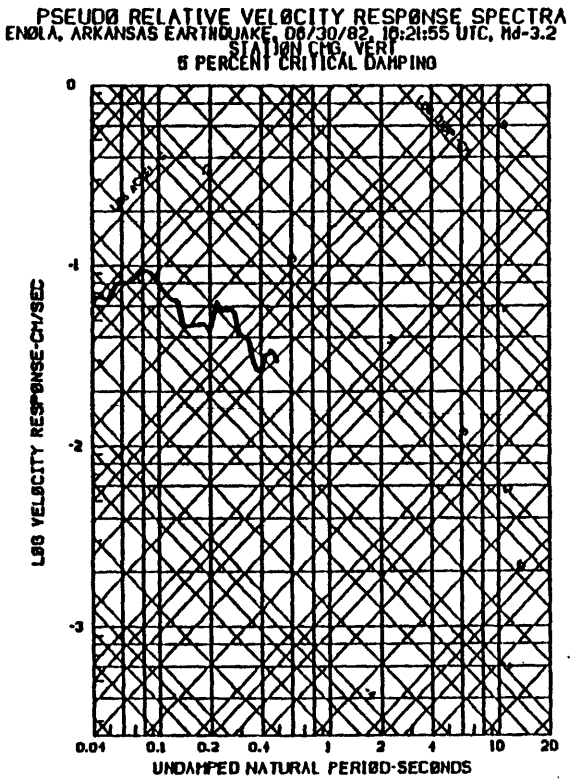

ENØLA, ARKANSAS EARTHQUAKE, 08/30/92, 16:21:55 UTC, MD-3.2
STATIØN CMG, DBD
0.000
-0.000
VELOCITY
CM/SEC
-0.0782
2
4
6
8
10
12
SECØNDS

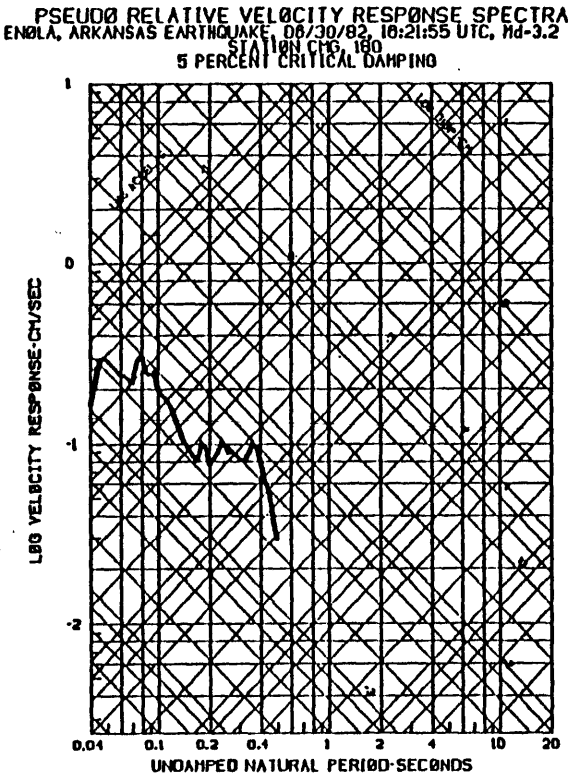

ENØLA, ARKANSAS EARTHQUAKE, 08/30/92, 16:21:55 UTC, MD-3.2
STATIØN CMG, DBD
0.0012
0.00116
-0.0012
DISPLACEMENT
CM
2
4
6
8
10
12
SECØNDS

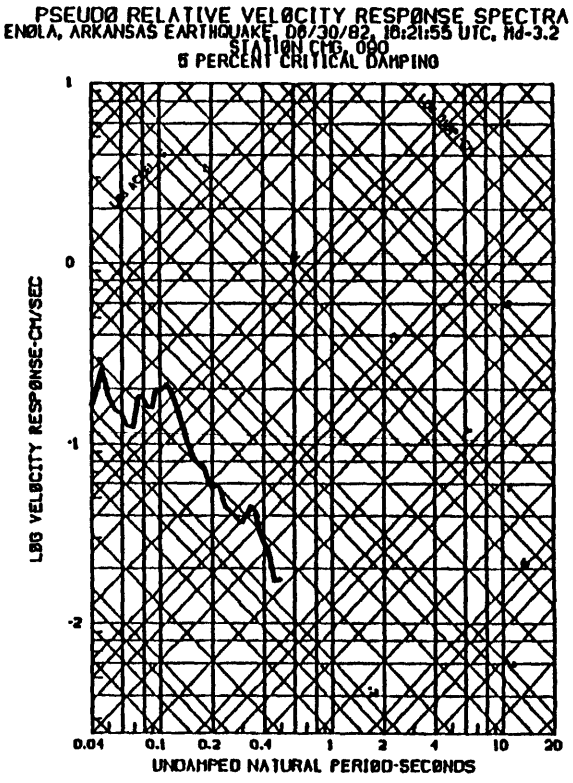

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 10:21:55 UTC, MD=3.2
STATION CHG, VERT
COMPUTING OPTIONS- ICRUSE,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

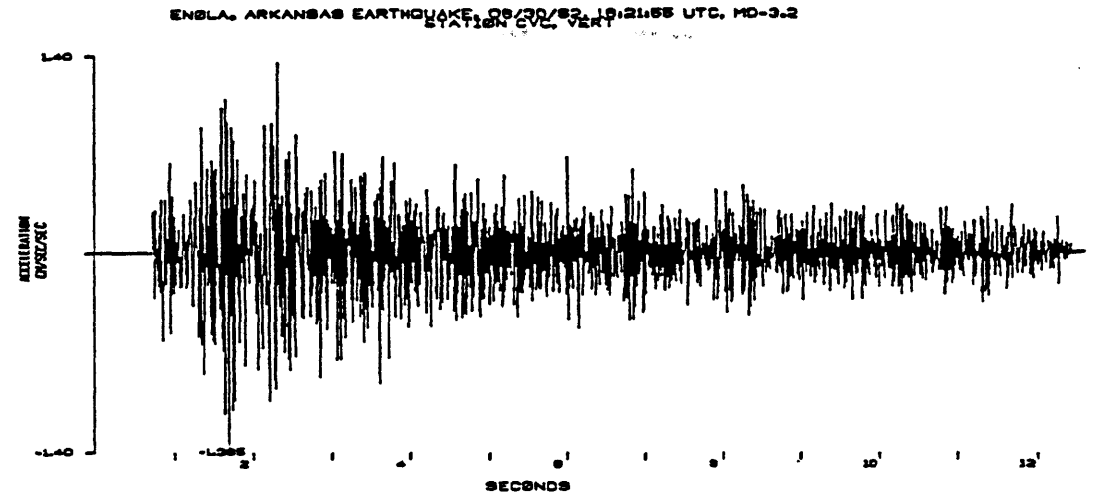

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 10:21:55 UTC, MD=3.2
STATION CHG, T&C
COMPUTING OPTIONS- ICRUSE,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

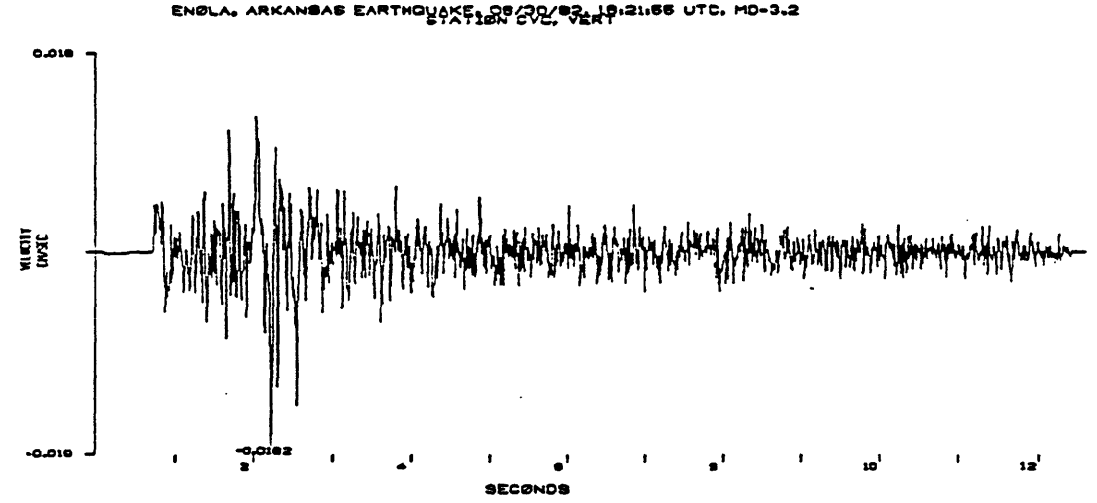

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 10:21:55 UTC, MD=3.2
STATION CHG, BLD
COMPUTING OPTIONS- ICRUSE,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

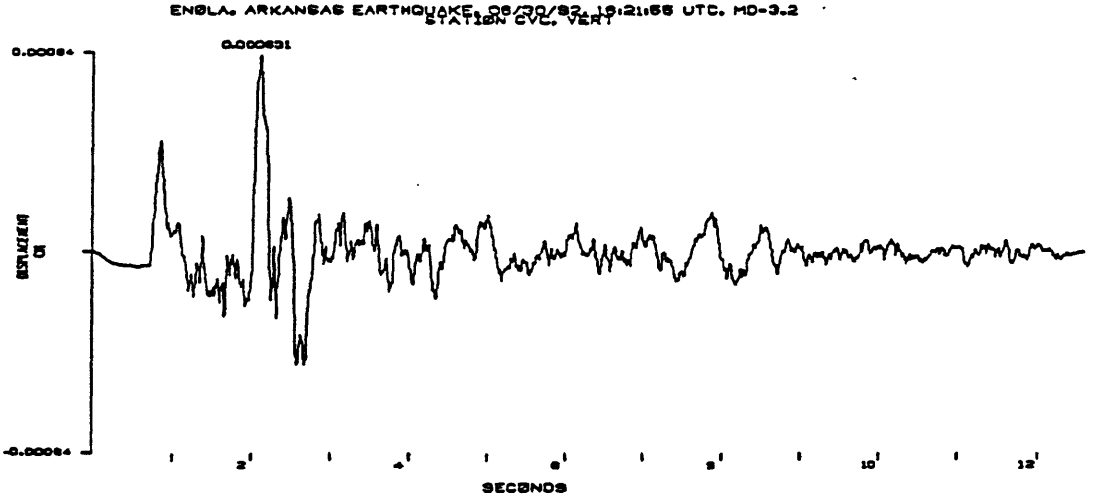

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, Md-3.2
STATION CMG, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

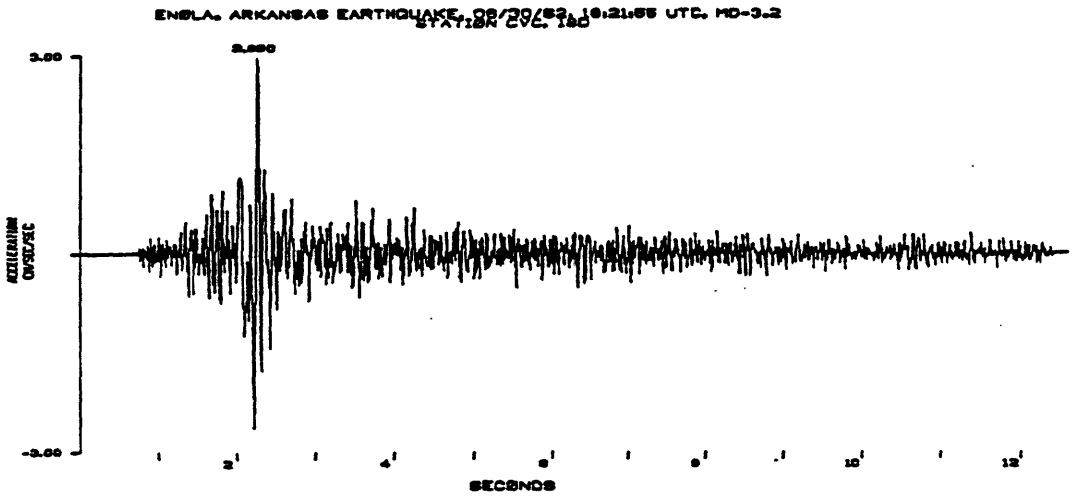

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, Md-3.2
STATION CMG, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

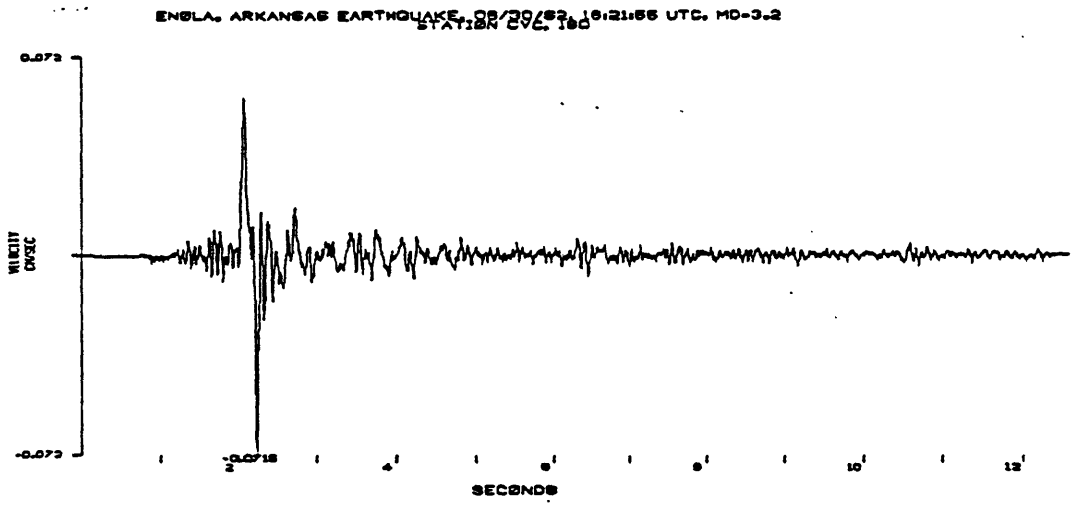

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, Md-3.2
STATION CMG, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

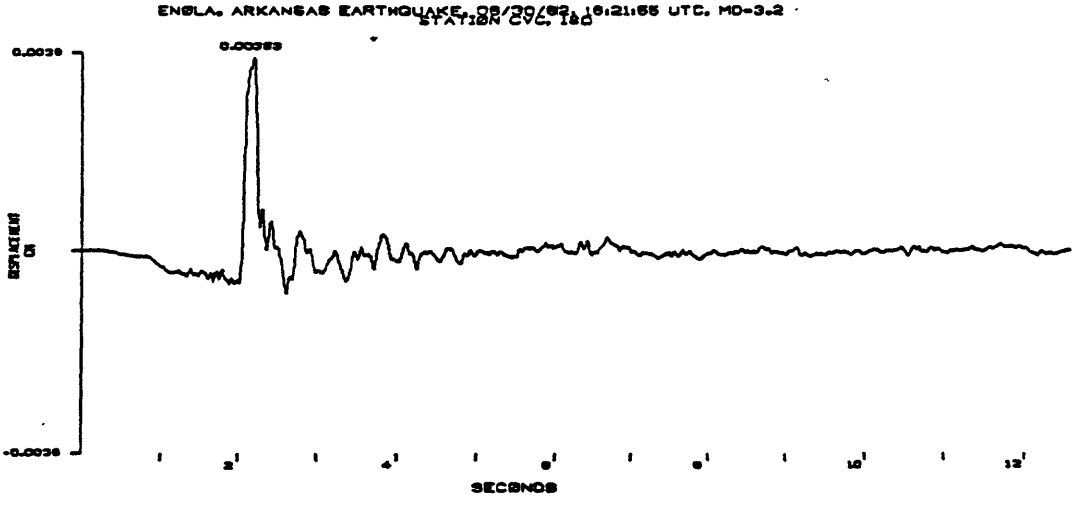

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION CVC, VERT
1.40
-1.40
ACCELERATION CM/SEC/SEC
-1.395
2
4
6
8
10
12
SECONDS

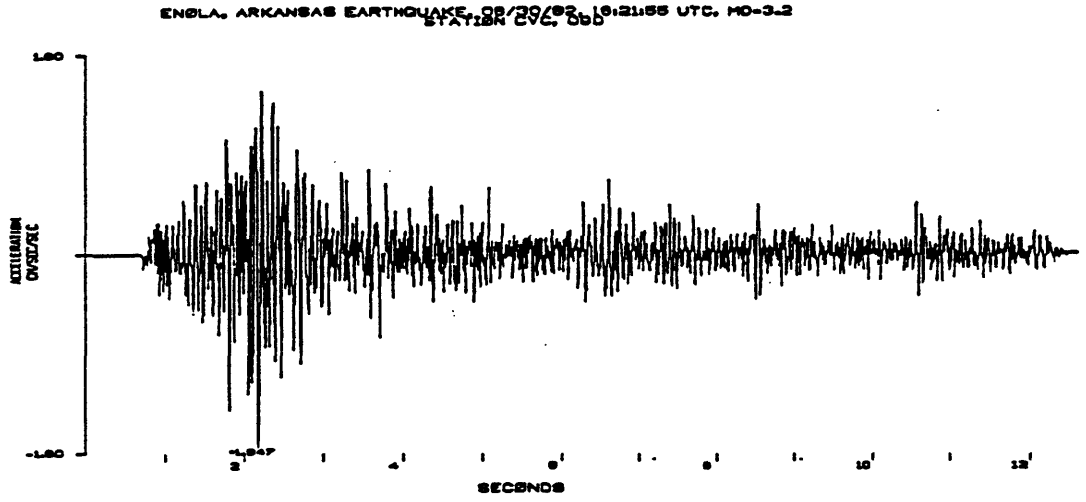

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION CVC, VERT
0.010
-0.010
VELOCITY CM/SEC
-0.0102
2
4
6
8
10
12
SECONDS

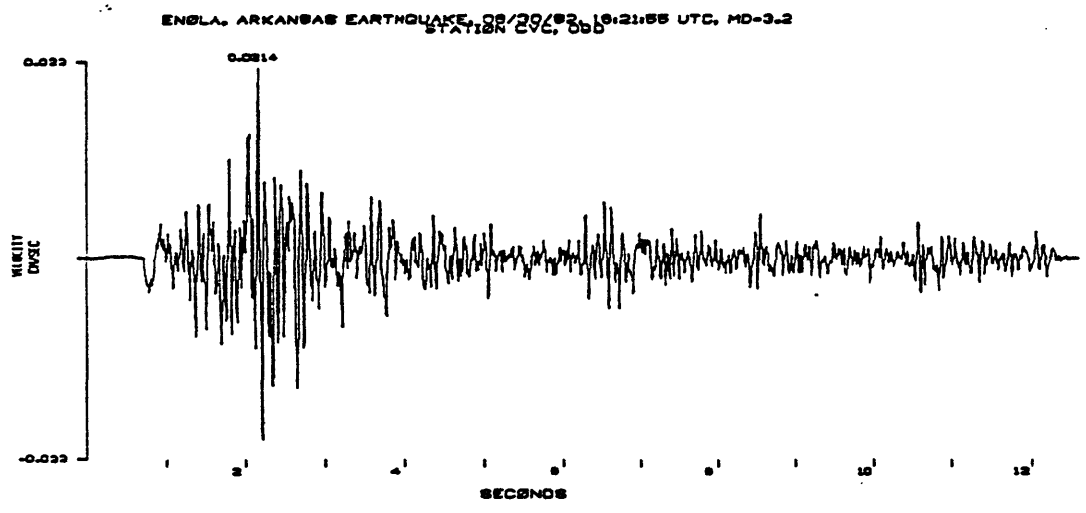

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION CVC, VERT
0.000084
-0.000084
0.000031
DISPLACEMENT CM
2
4
6
8
10
12
SECONDS

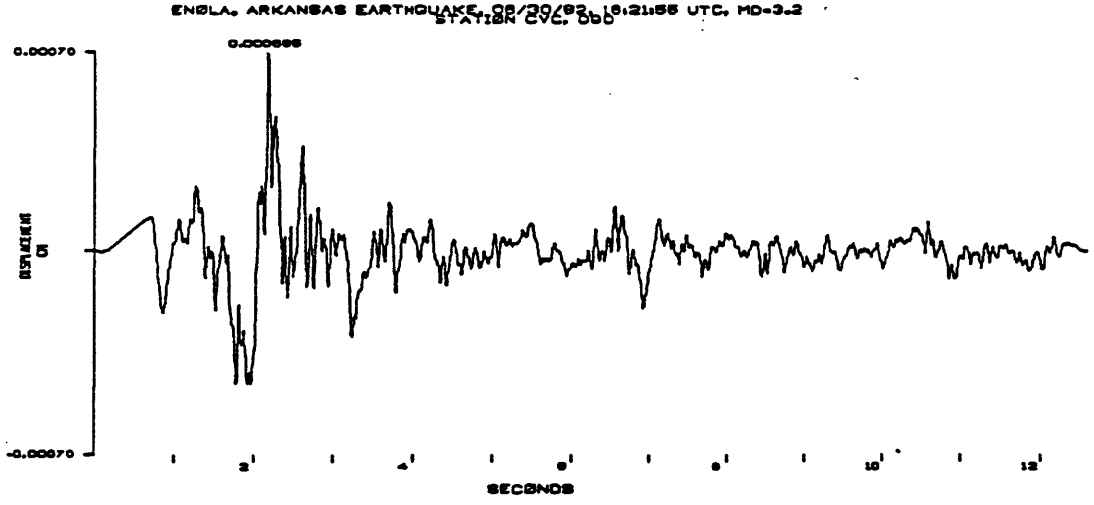

ENGLA, ARKANSAS EARTHQUAKE, 08/29/82, 16:21:55 UTC, MD=3.2
STATION CVC, I&D
3.00
-3.00
SECONDS

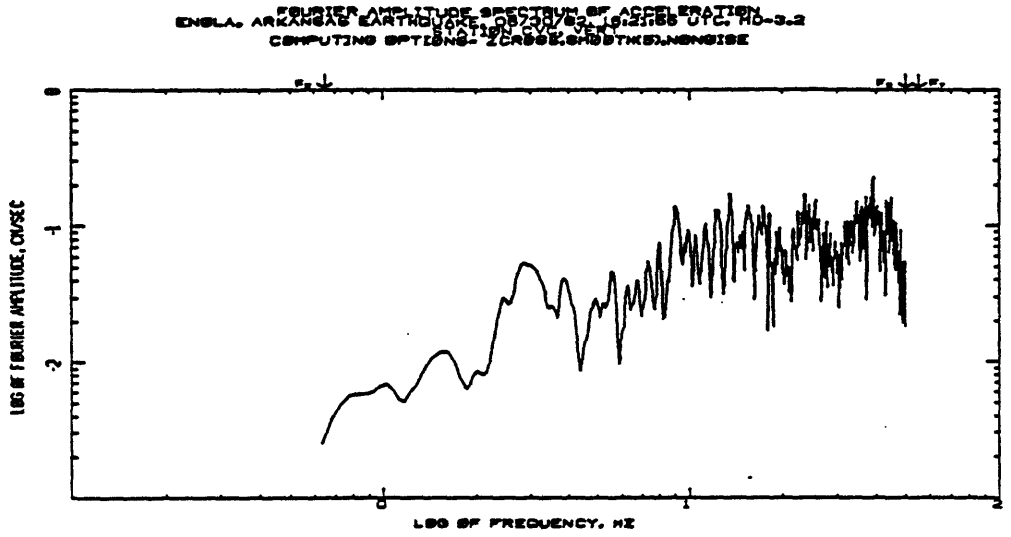

ENGLA, ARKANSAS EARTHQUAKE, 08/29/82, 16:21:55 UTC, MD=3.2
STATION CVC, I&D
0.073
-0.073
SECONDS

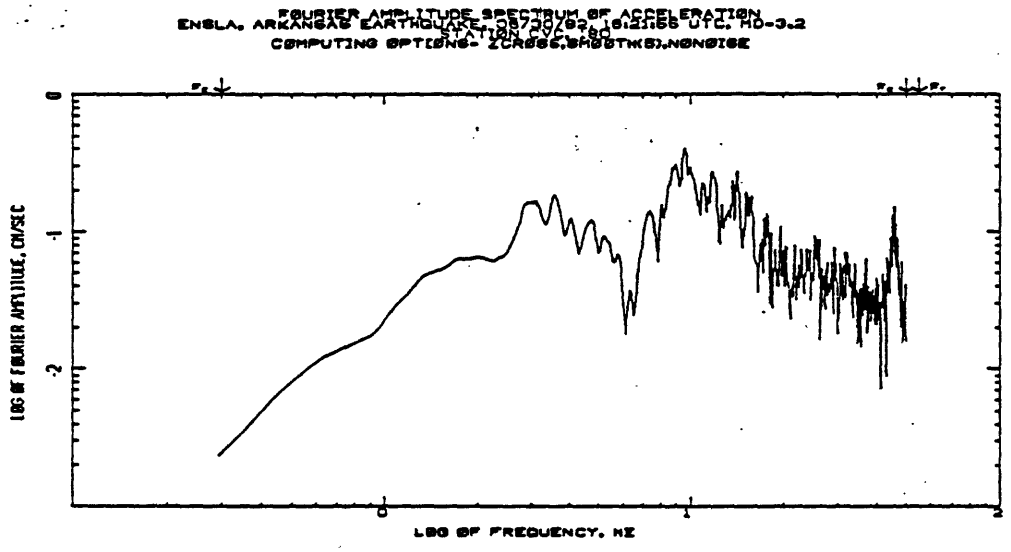

ENGLA, ARKANSAS EARTHQUAKE, 08/29/82, 16:21:55 UTC, MD=3.2
STATION CVC, I&D
0.0039
-0.0039
SECONDS

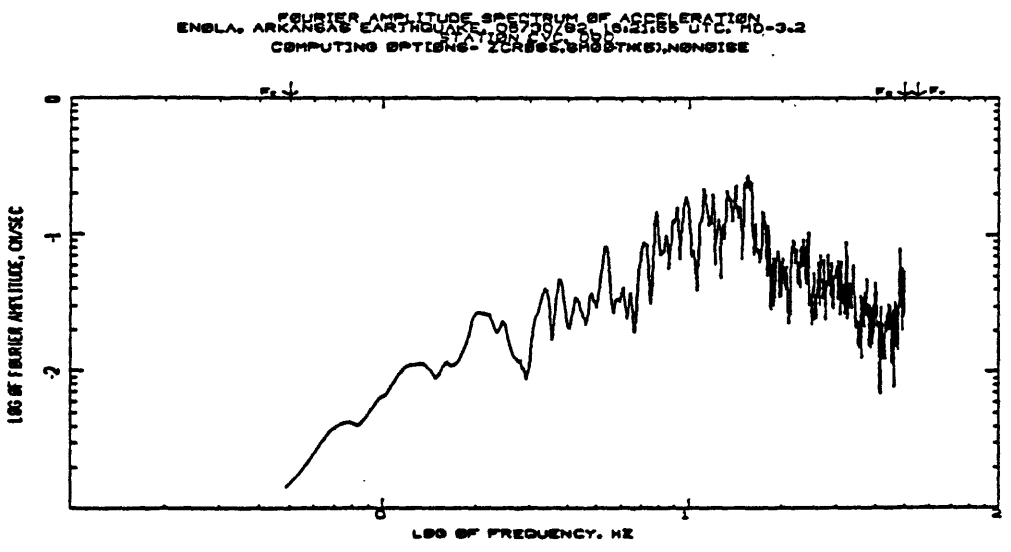

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 16:21:55 UTC, MD=3.2
STATION CVC, DD
1.80
-1.80
SECONDS

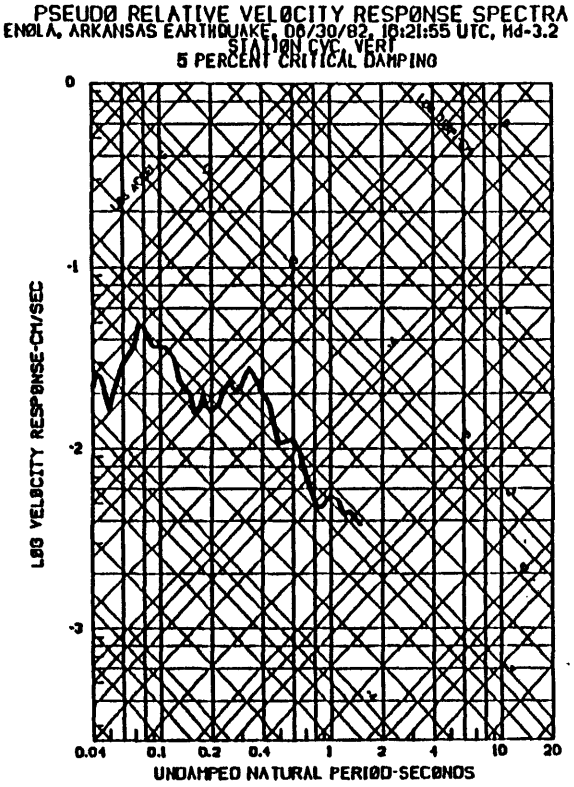

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 16:21:55 UTC, MD=3.2
STATION CVC, DD
0.033
0.0814
-0.033
SECONDS

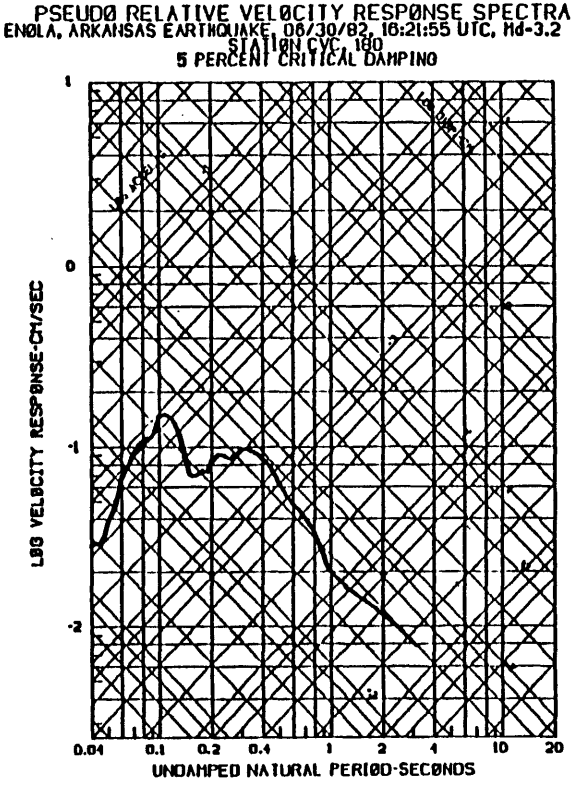

ENOLA, ARKANSAS EARTHQUAKE, 08/29/82, 16:21:55 UTC, MD=3.2
STATION CVC, DD
0.00070
0.000696
-0.00070
SECONDS

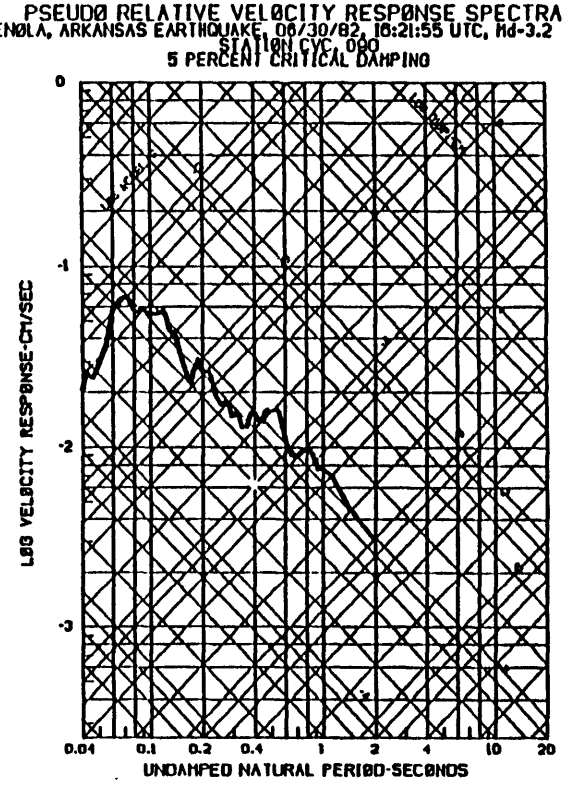

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENSLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, MD-3.2
STATION CVC, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

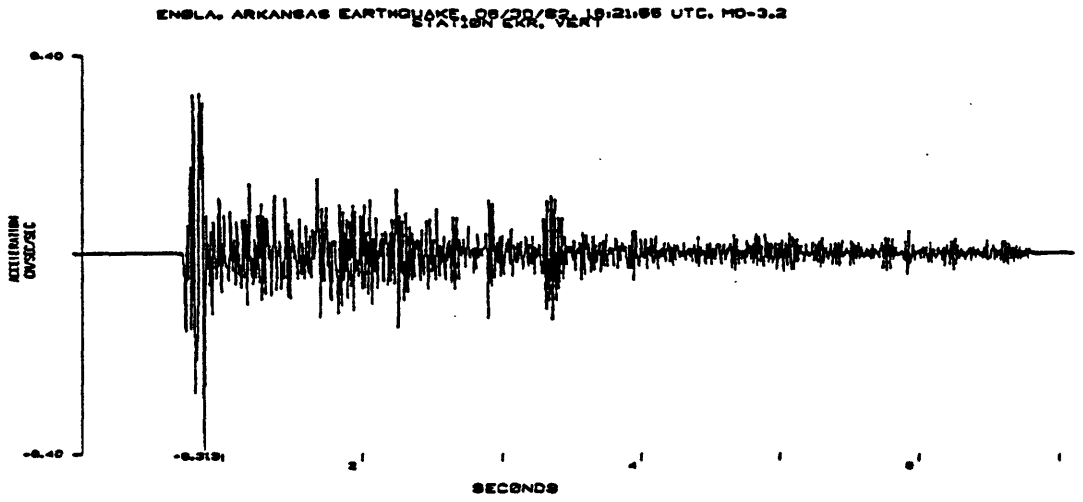

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENSLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, MD-3.2
STATION CVC, 90
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

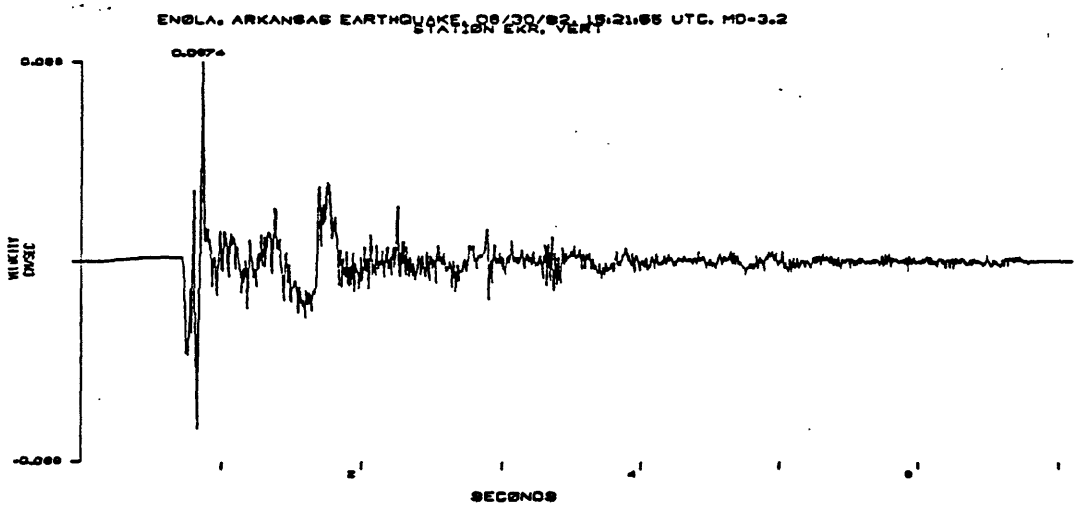

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENSLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, MD-3.2
STATION CVC, UP
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

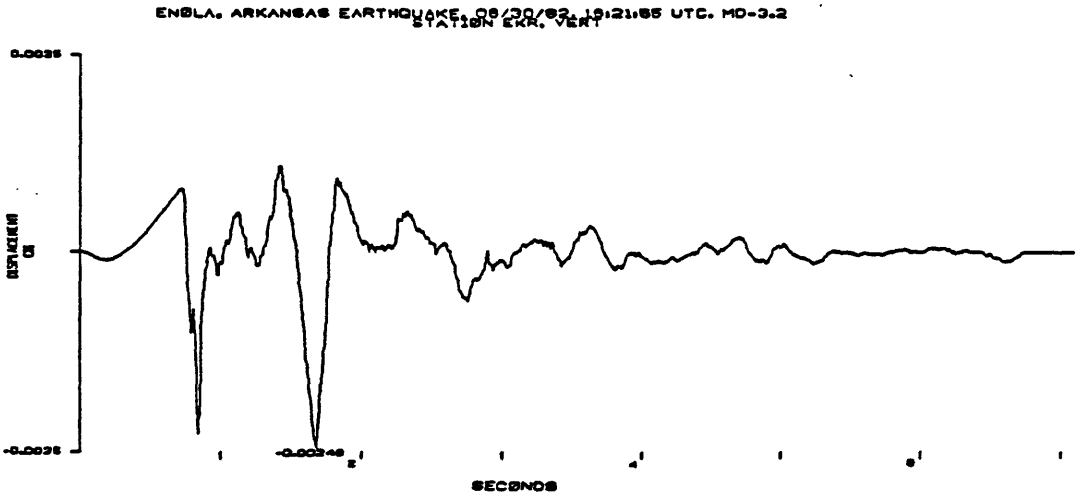

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN CVC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

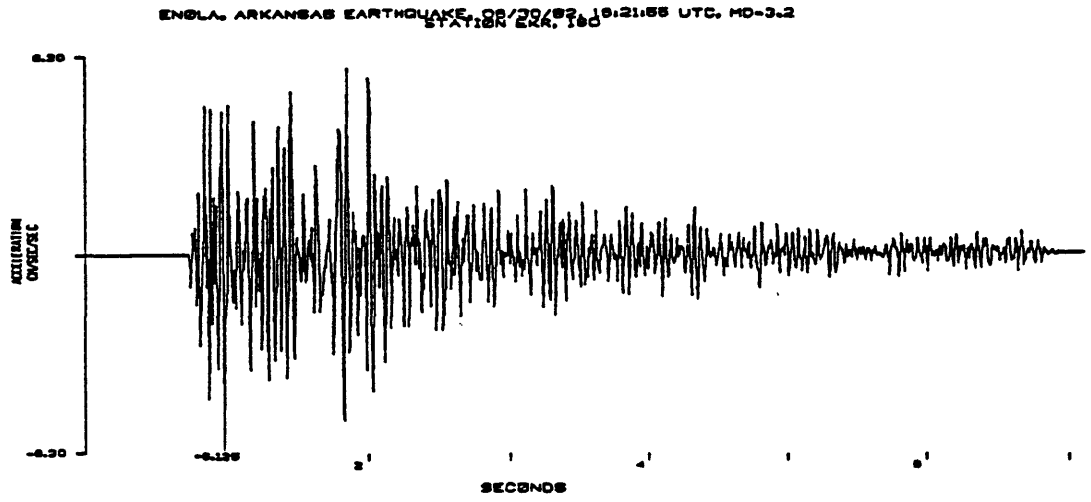

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN CVC, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

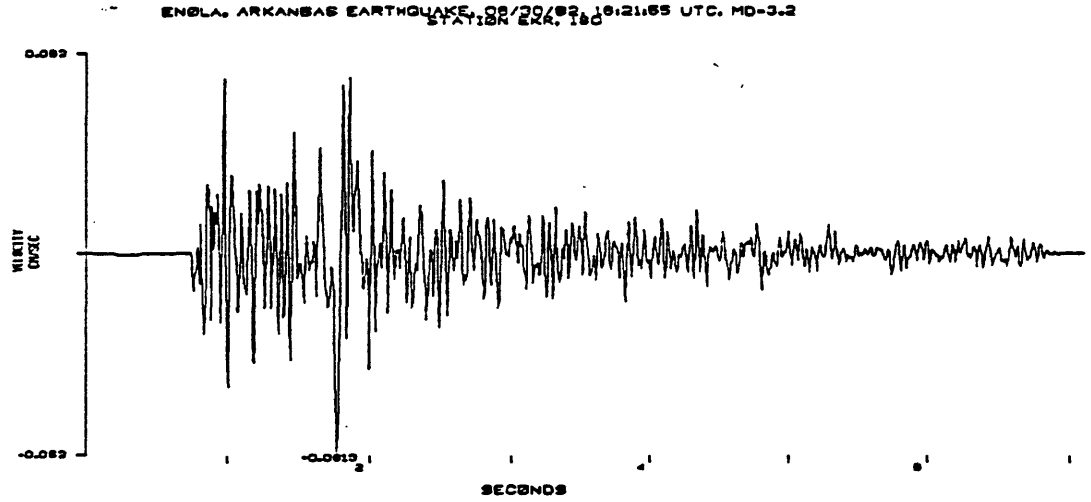

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN CVC, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

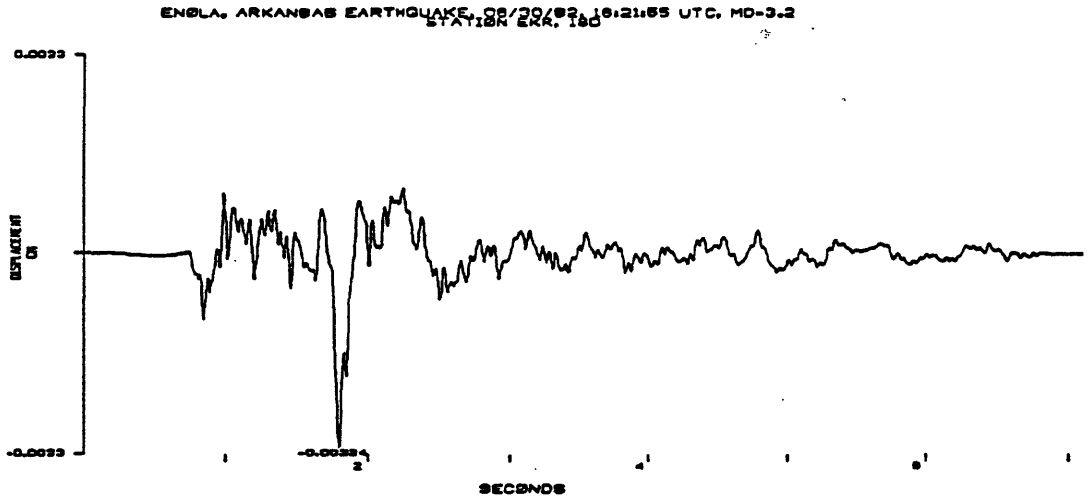

ENOLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATION EKR, VERT
0.40
-0.40
-0.3191
2
4
6
SECONDS

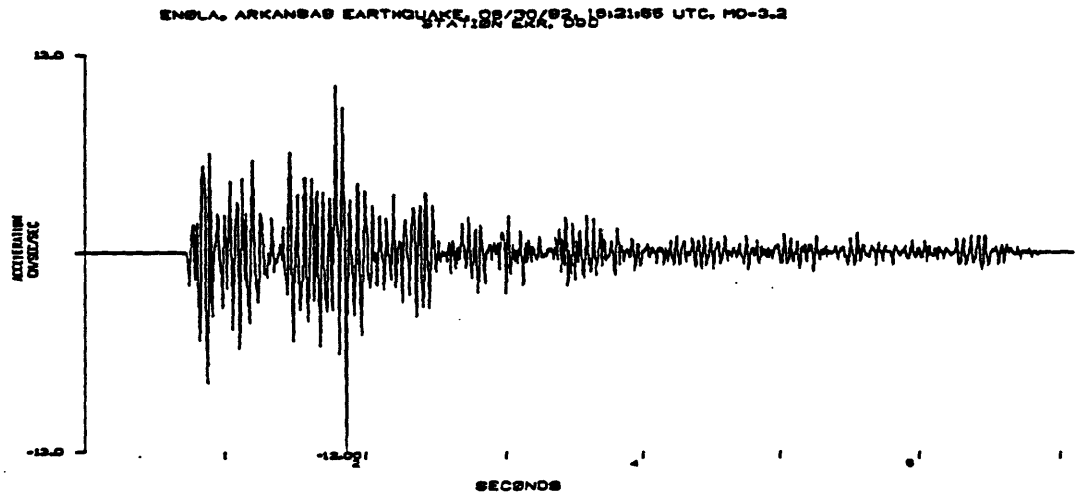

ENOLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATION EKR, VERT
0.0674
2
4
6
SECONDS

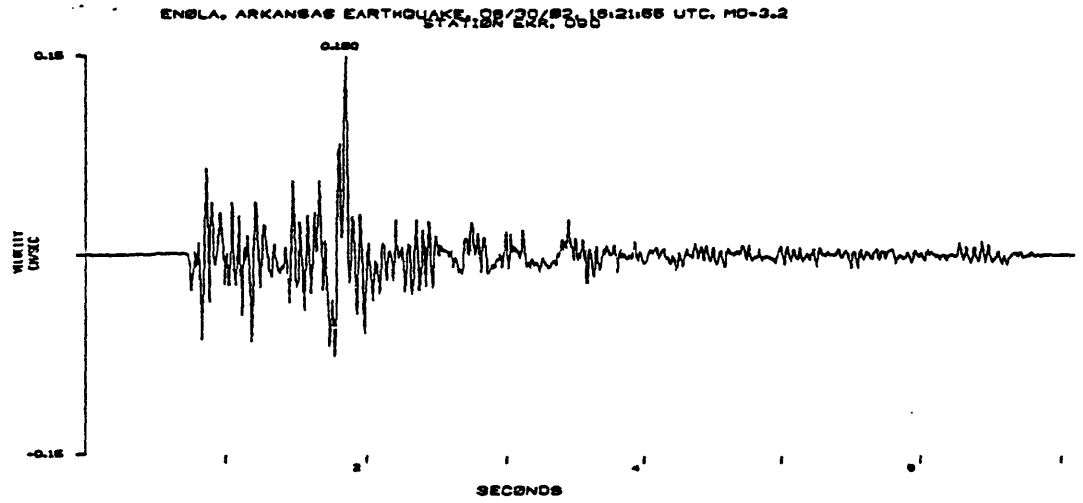

ENOLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATION EKR, VERT
-0.00348
2
4
6
SECONDS

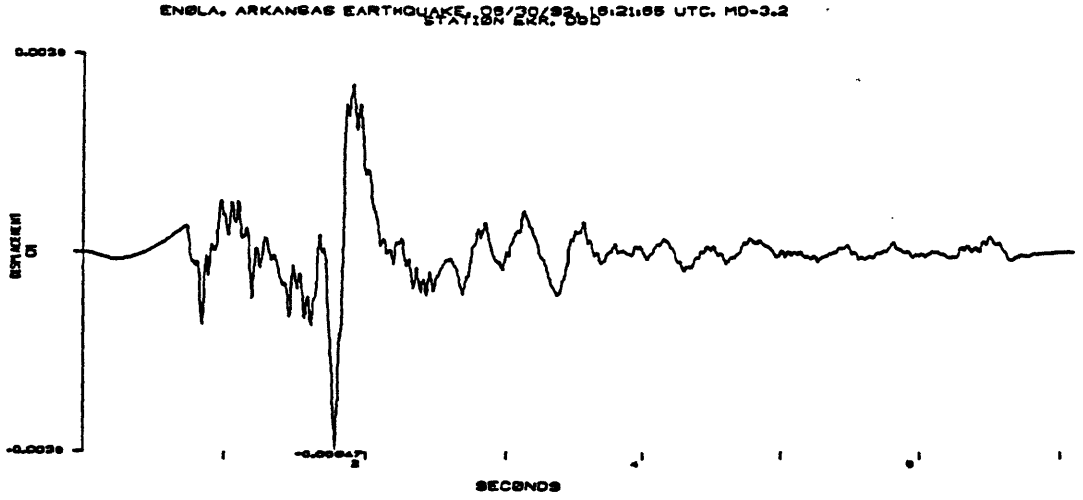

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, MD-3.2
STATION EKR, 180
ACCELERATION CM/SEC/SEC
SECONDS

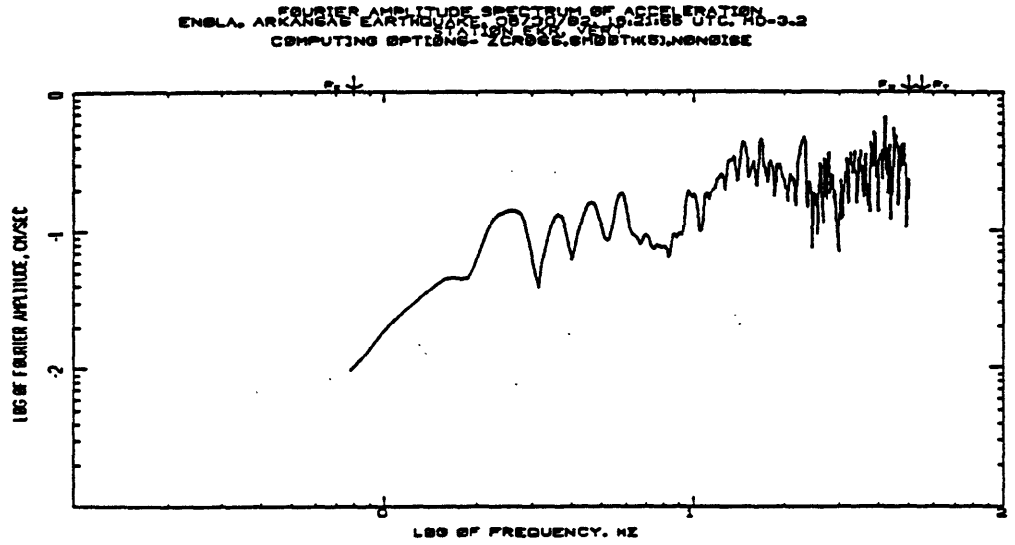

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, MD-3.2
STATION EKR, 180
VELOCITY CM/SEC
SECONDS

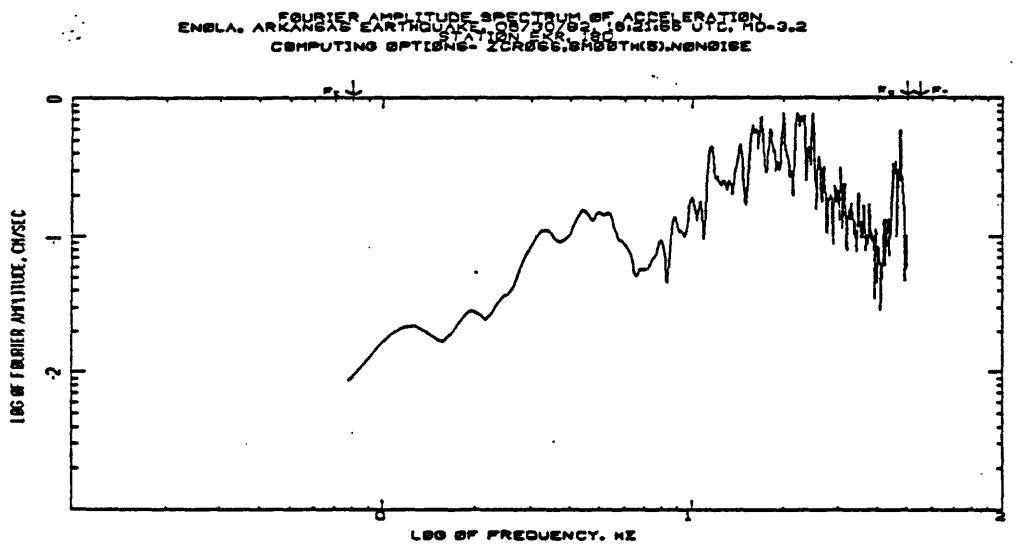

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:55 UTC, MD-3.2
STATION EKR, 180
DISPLACEMENT CM
SECONDS

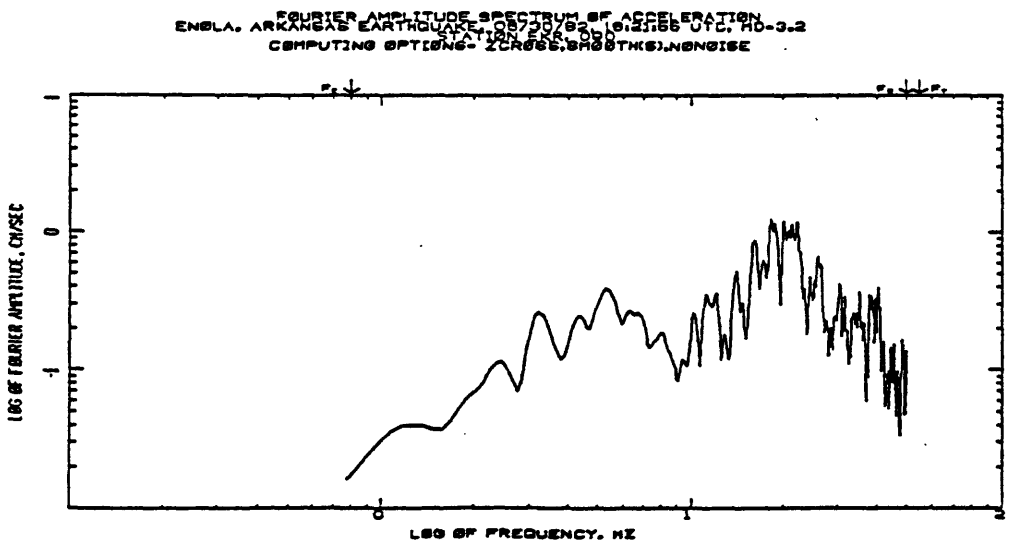

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 09:21:55 UTC, MD=3.2
STATION EXR, DDD
13.0
-13.0
ACCELERATION CM/SEC/SEC
SECONDS

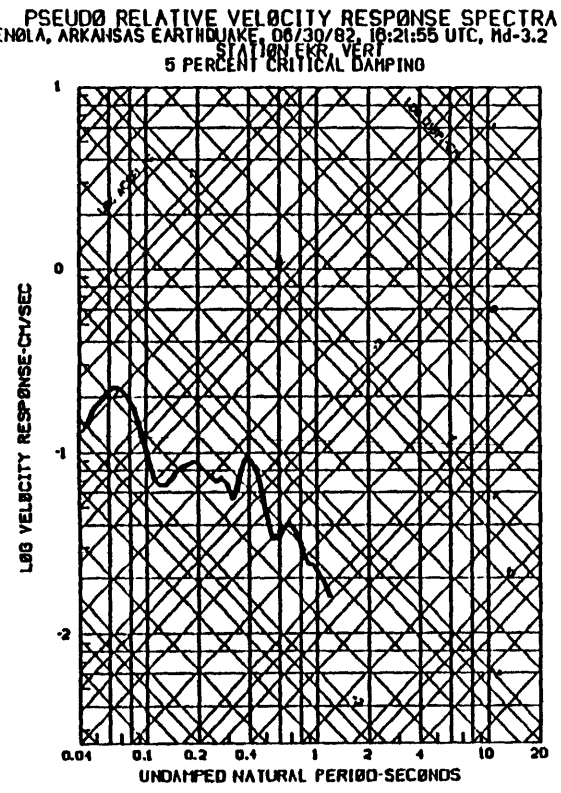

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 09:21:55 UTC, MD=3.2
STATION EXR, DDD
0.15
-0.15
VELOCITY CM/SEC
SECONDS

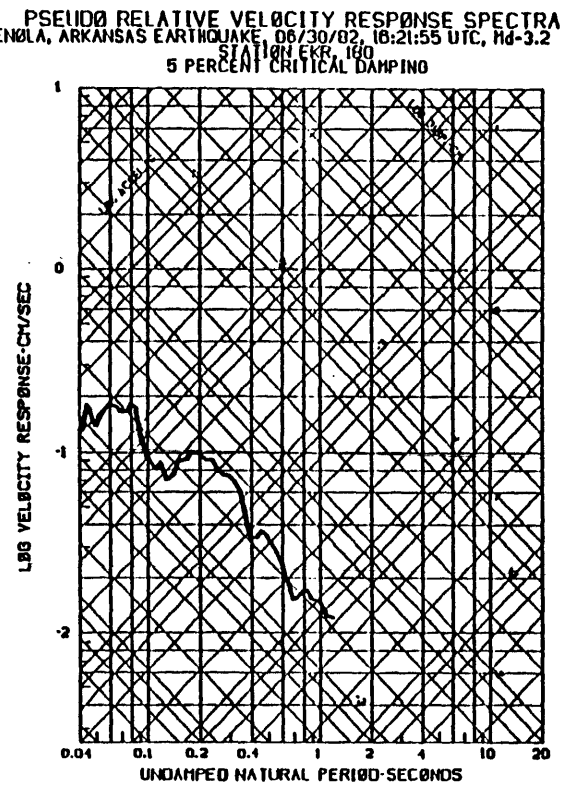

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 09:21:55 UTC, MD=3.2
STATION EXR, DDD
0.0030
-0.0030
DISPLACEMENT CM
SECONDS

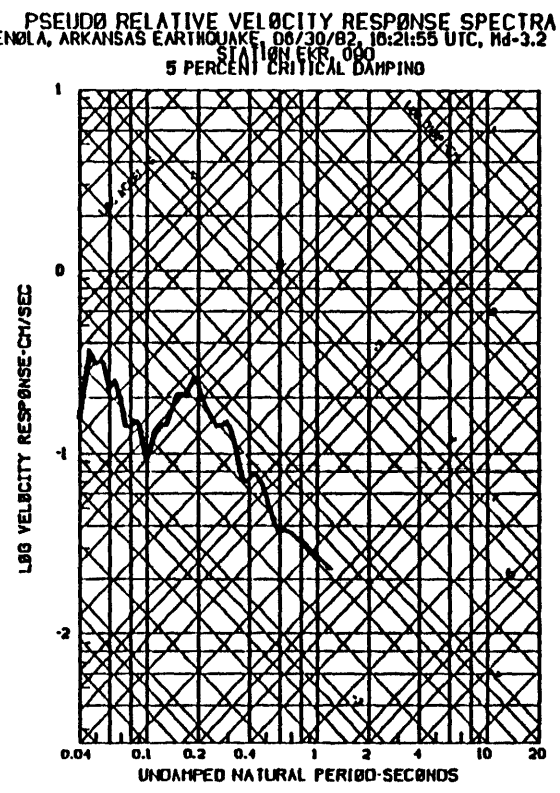

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/20/82, 10:21:55 UTC, MD=3.2
STATION EKR, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/20/82, 10:21:55 UTC, MD=3.2
STATION EKR, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/20/82, 10:21:55 UTC, MD=3.2
STATION EKR, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN EKR, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS


PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN EKR, 160
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

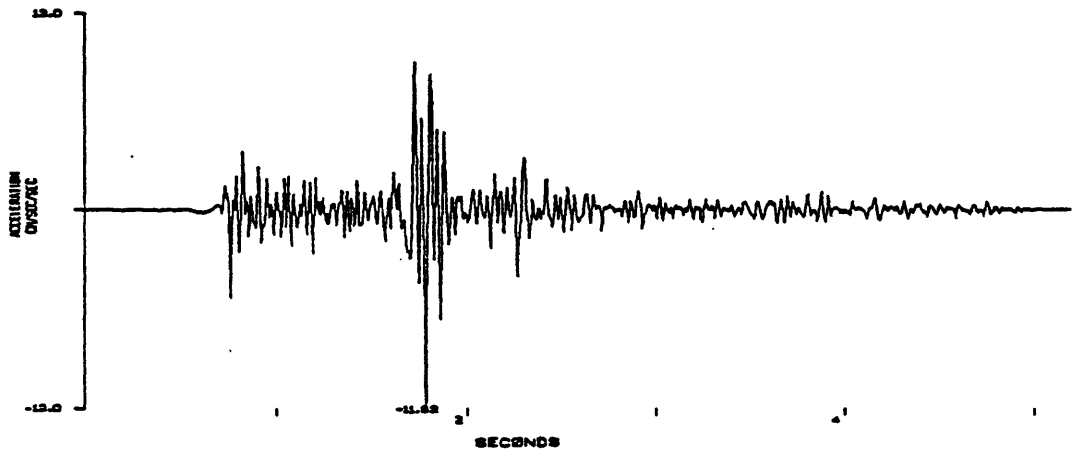

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN EKR, 070
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

ENØLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATIØN ENA, VERT
15.0
-15.0
-14.82
2
4
SECØNDS

ENØLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATIØN ENA, VERT
0.003
-0.003
-0.0022
2
4
SECØNDS

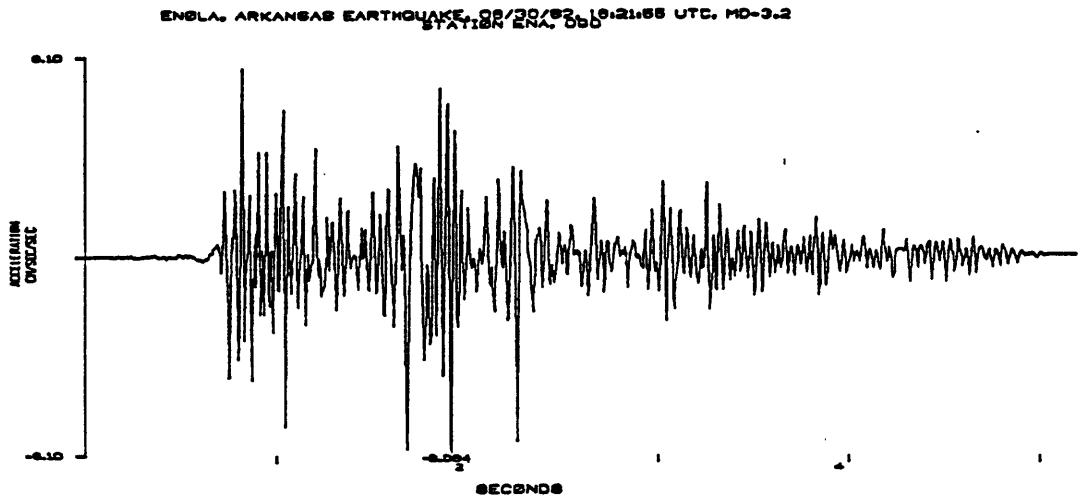
ENØLA, ARKANSAS EARTHQUAKE, 09/30/82, 19:21:55 UTC, MD=3.2
STATIØN ENA, VERT
0.000084
0.000034
-0.000084
2
4
SECØNDS

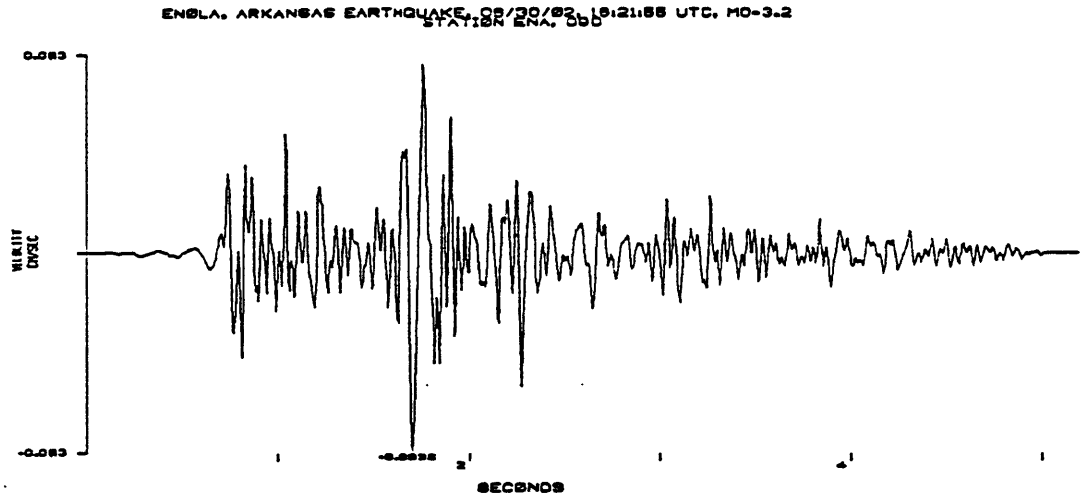
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD-3.2
STATION ENA, DDD

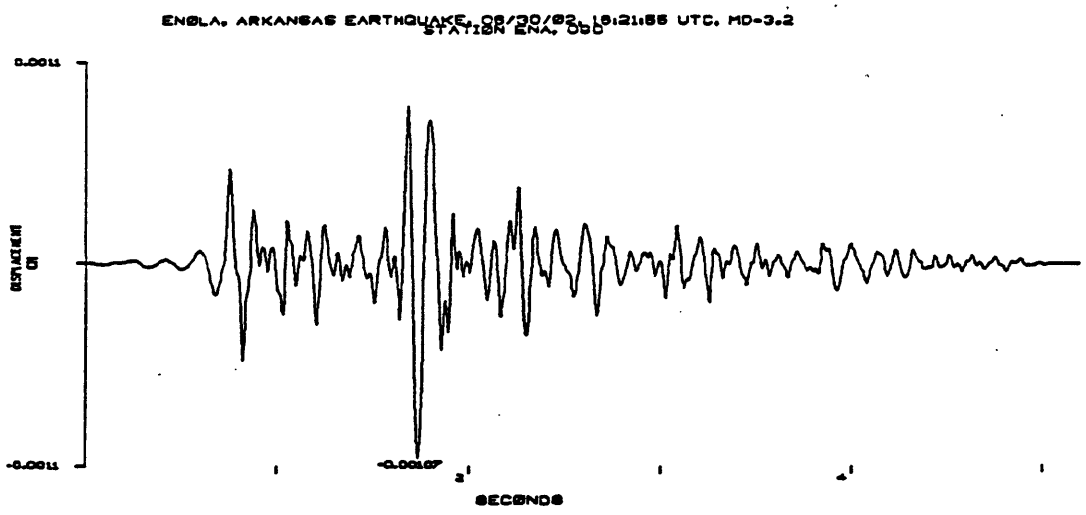


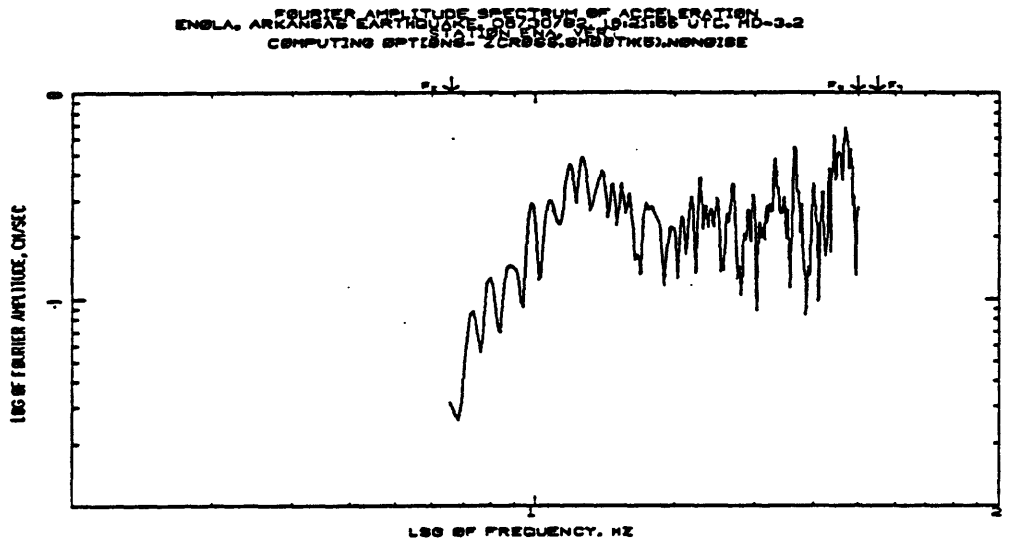
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD-3.2
STATION ENA, DDD

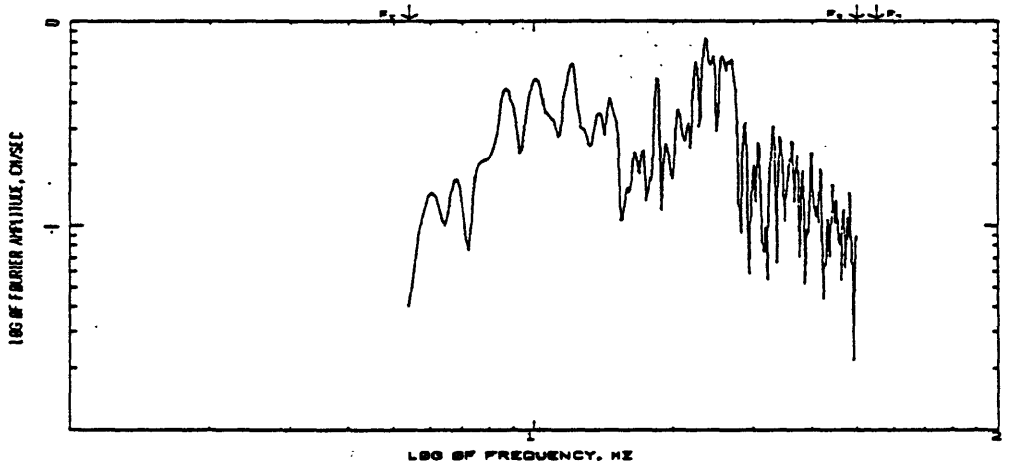
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD-3.2
STATION ENA, DDD

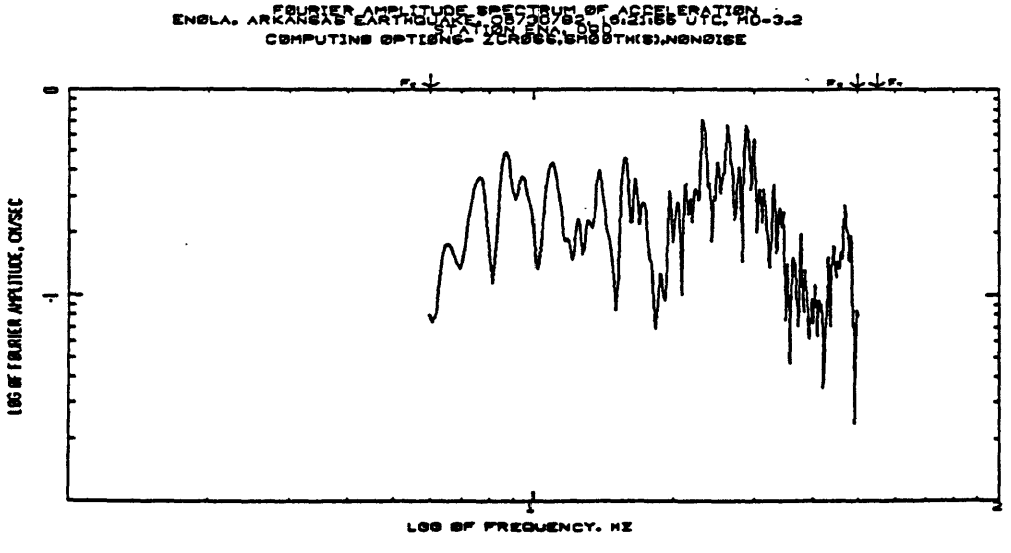

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION ENA, 000
0.10
-0.10
SECONDS

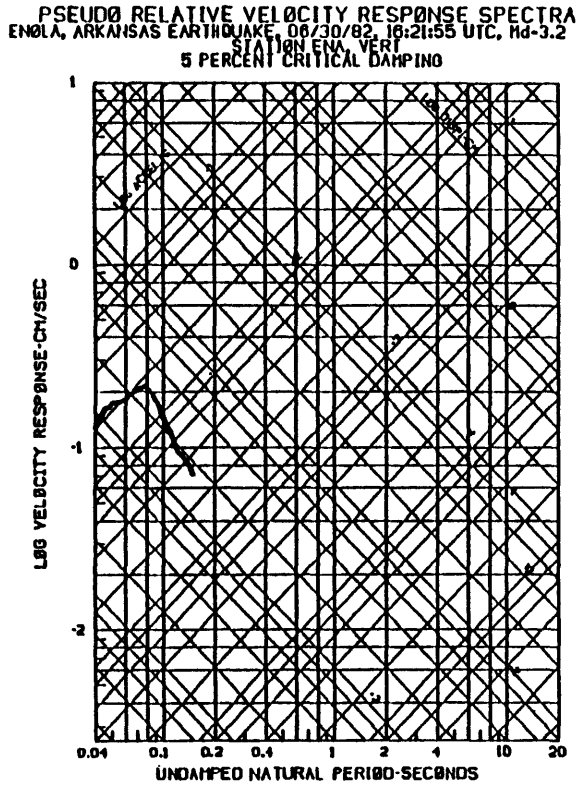

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION ENA, 000
SECONDS

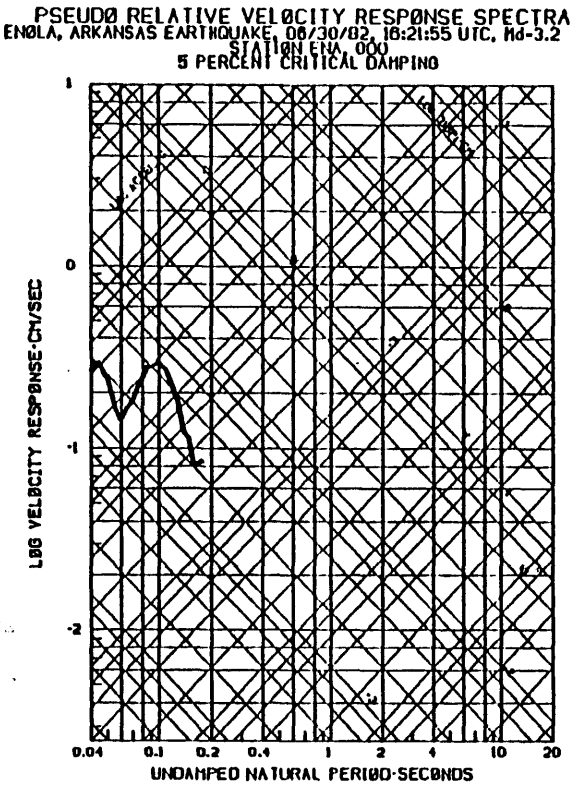

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION ENA, 000
SECONDS

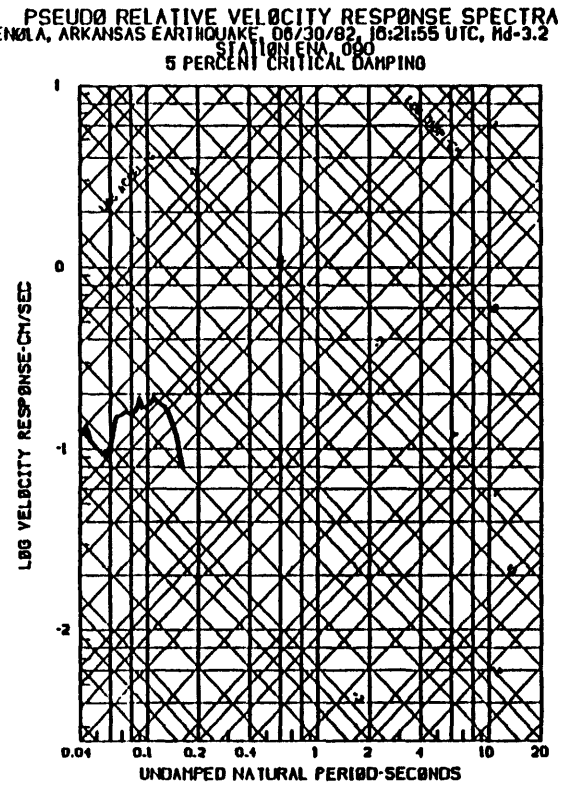

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 05/30/82, 16:29:55 UTC, MD=3.2
STATION ENA, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

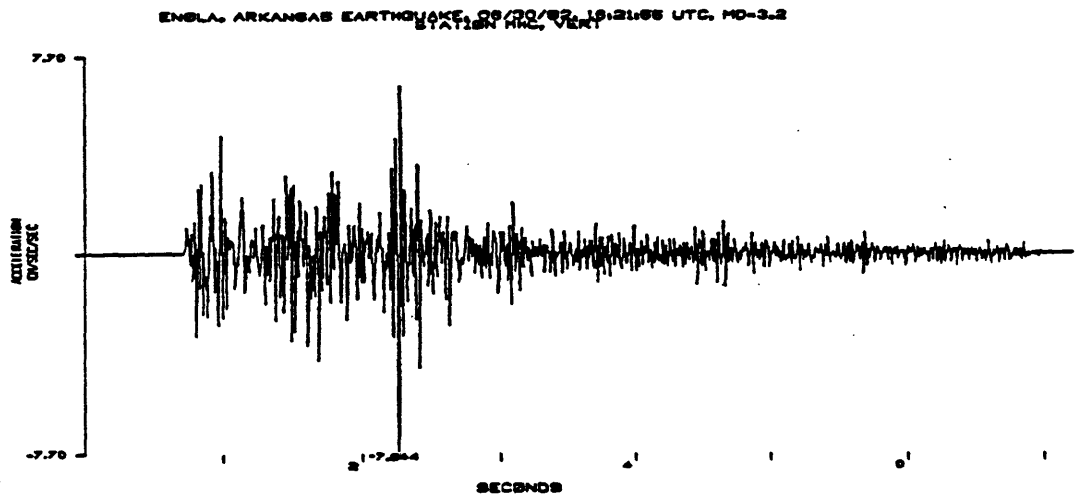

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 05/30/82, 16:29:55 UTC, MD=3.2
STATION ENA, 000
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

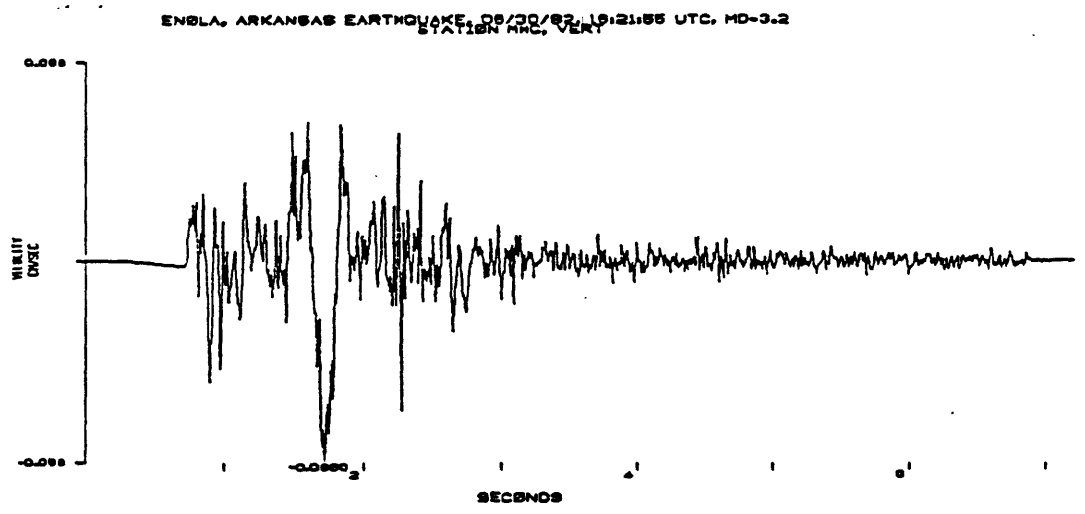

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 05/30/82, 16:29:55 UTC, MD=3.2
STATION ENA, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

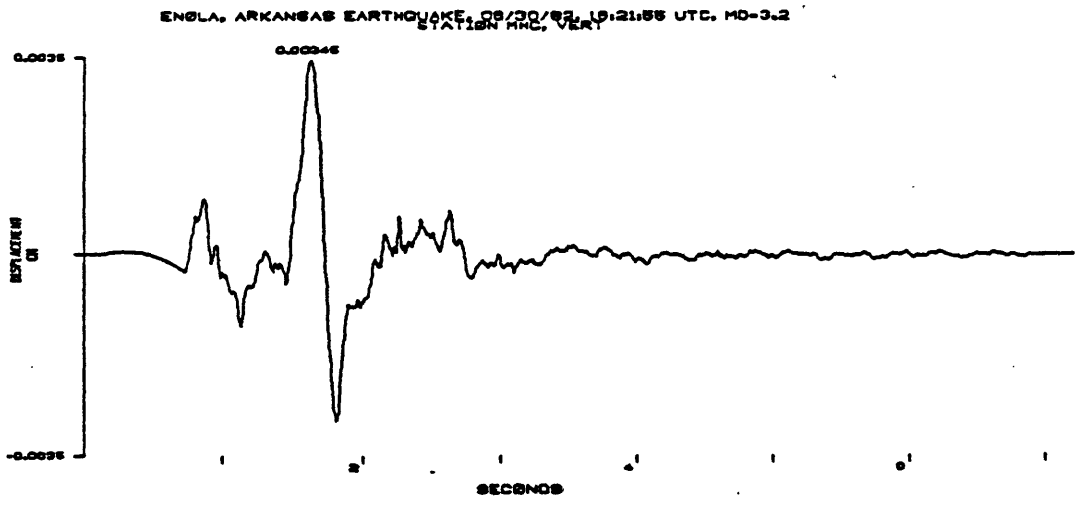

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN ENA, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

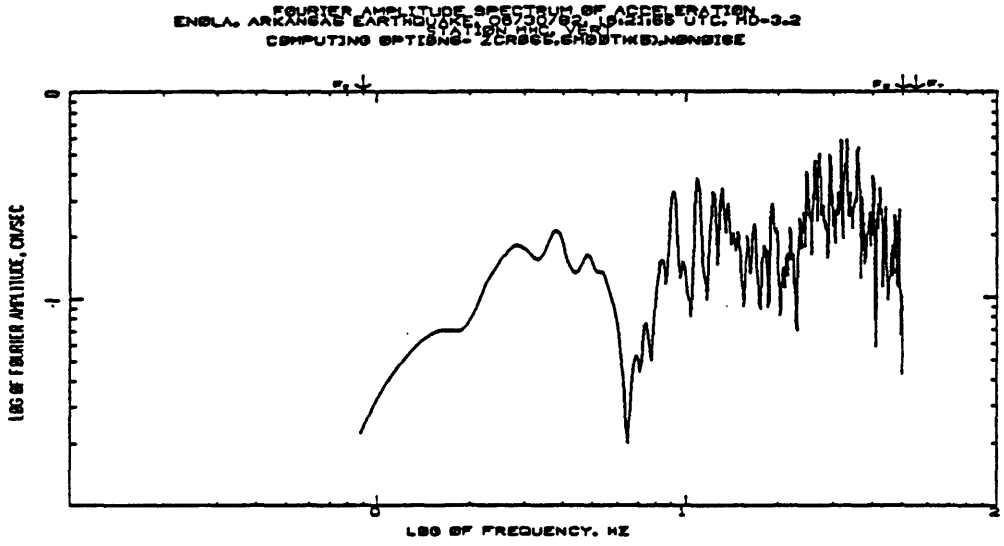

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN ENA, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

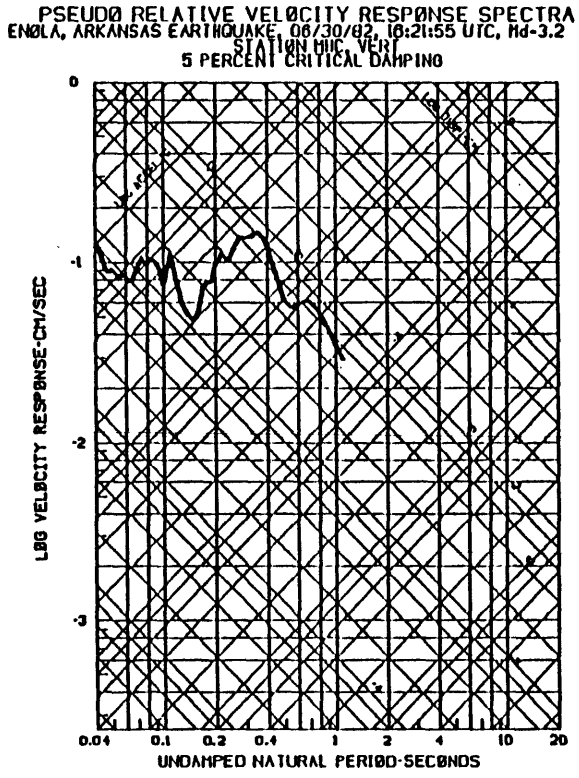

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN ENA, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

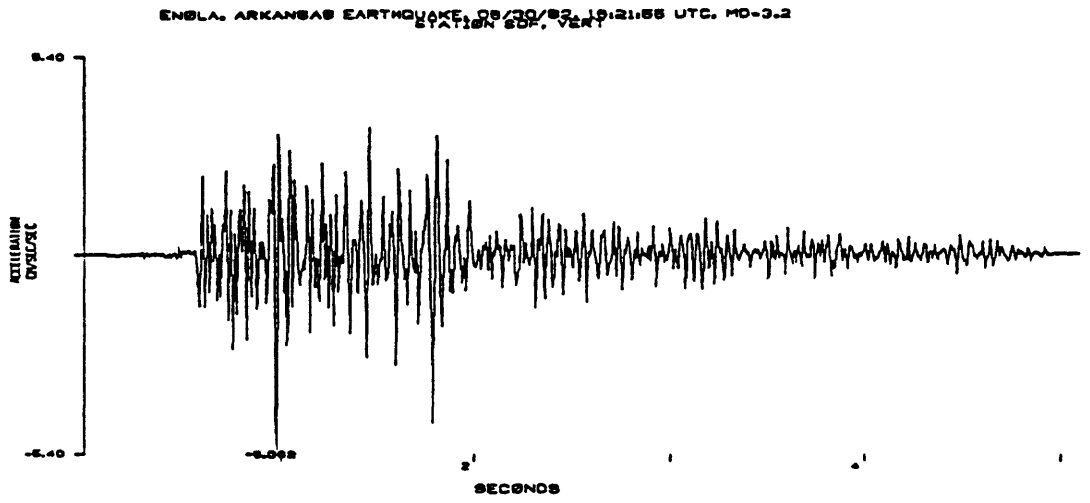

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION MHC, VERT
SECONDS

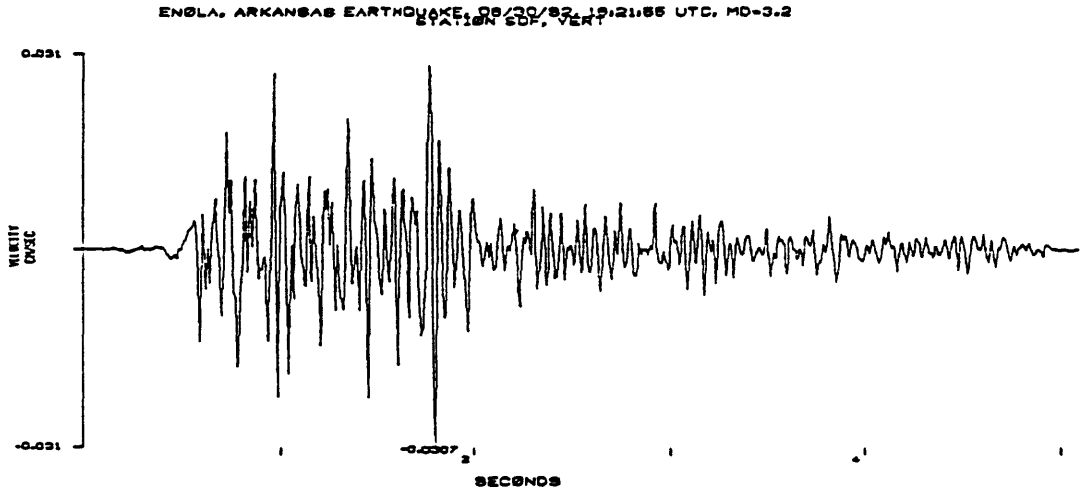

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION MHC, VERT
SECONDS

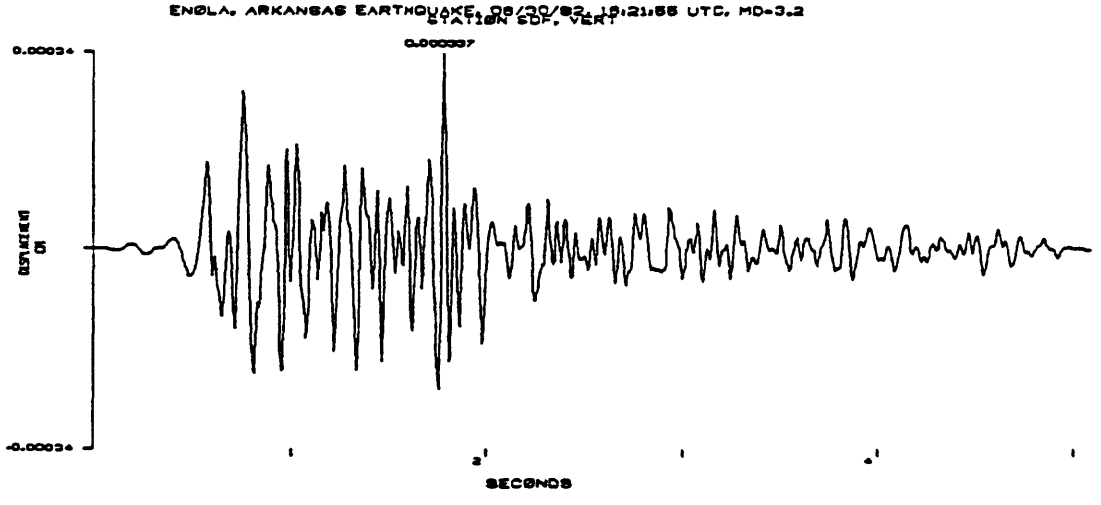

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION MHC, VERT
SECONDS

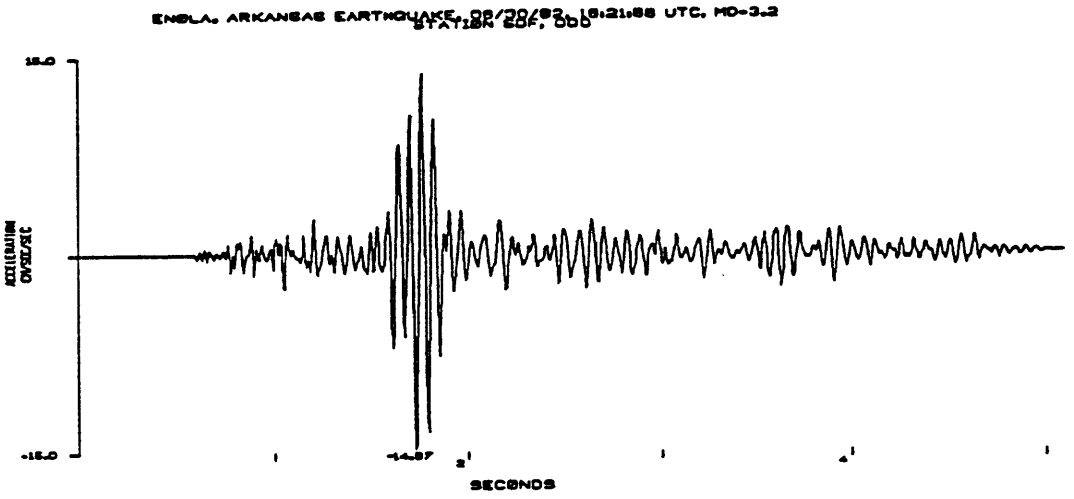

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD-3.2
STATION MHC, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ
0
-1
0
1
2

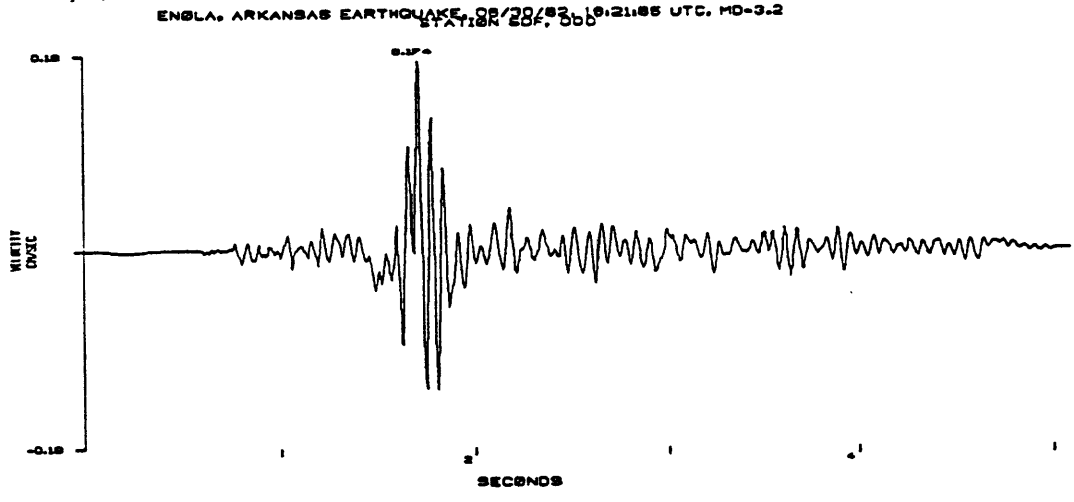

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATION MHC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

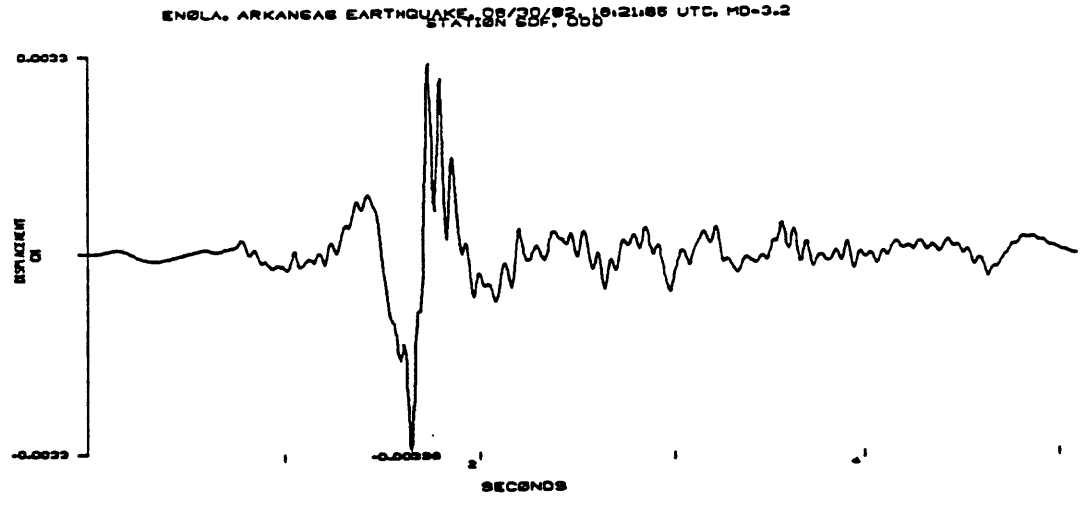

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION SDF, VERT
5.40
-5.40
-5.062
2
4
SECONDS

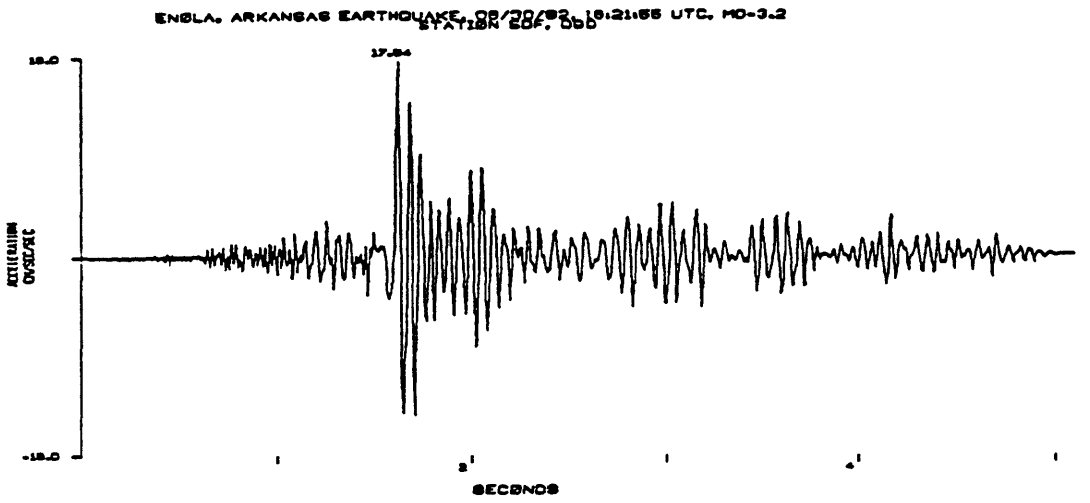

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION SDF, VERT
0.031
-0.031
-0.0307
2
4
SECONDS

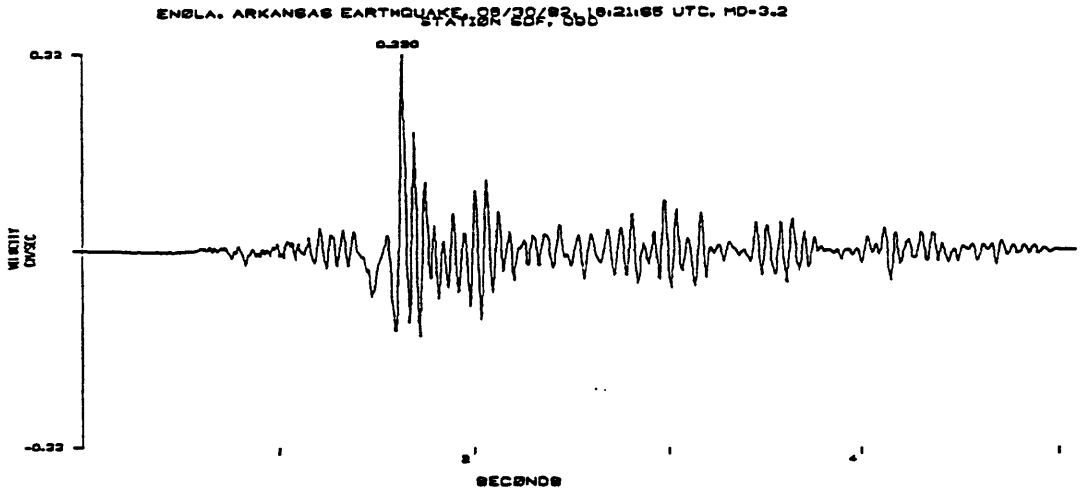

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION SDF, VERT
0.000337
0.00034
-0.00034
2
4
SECONDS

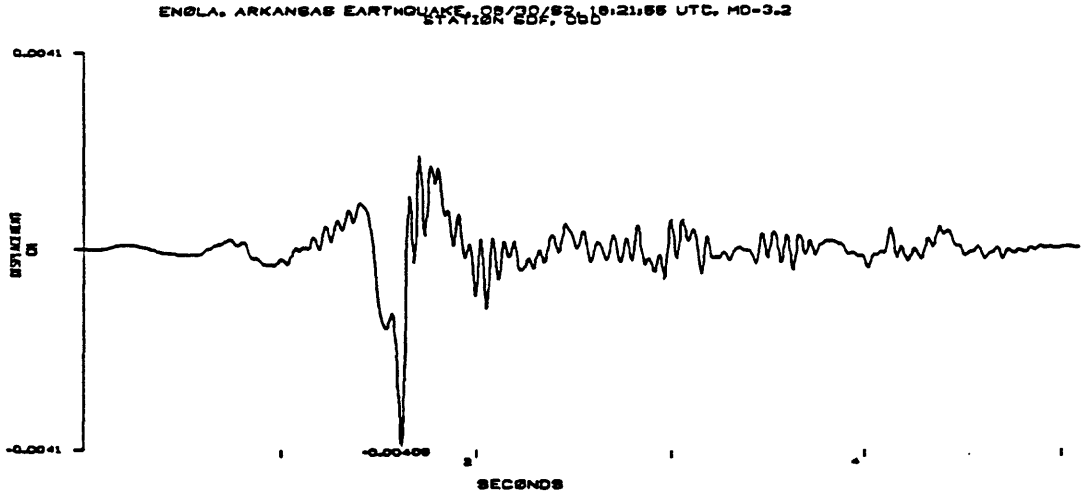

ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:88 UTC, MD=3.2
STATIØN SOF, DDD
15.0
-15.0
-14.87
2
4
SECØNDS

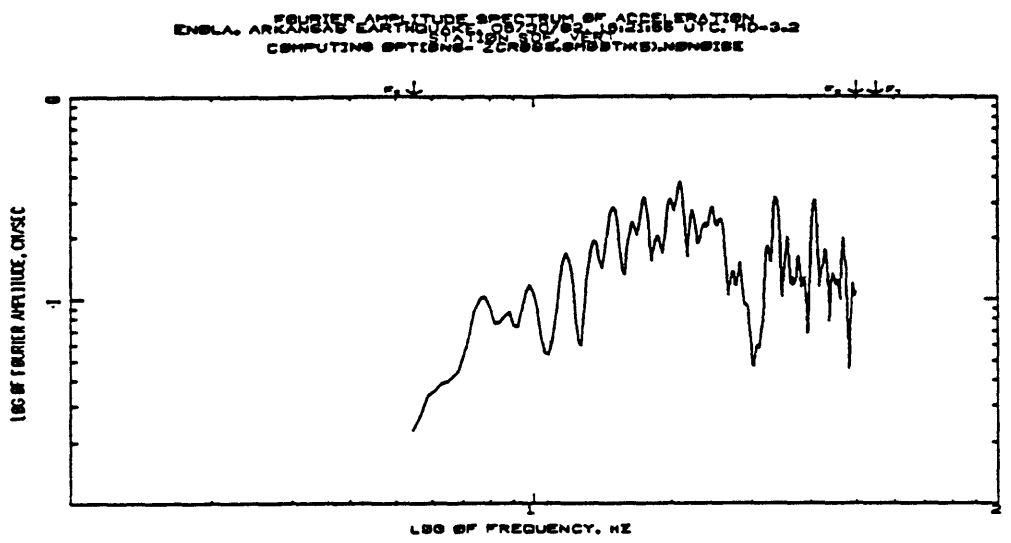

ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:85 UTC, MD=3.2
STATIØN SOF, DDD
0.18
-0.18
2
4
SECØNDS

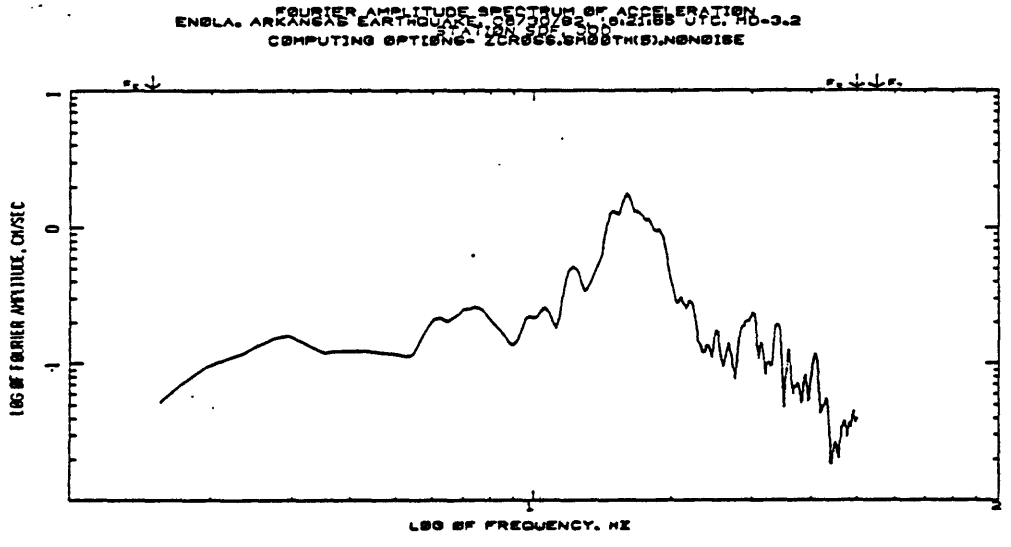

ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 16:21:85 UTC, MD=3.2
STATIØN SOF, DDD
0.0033
-0.0033
2
4
SECØNDS

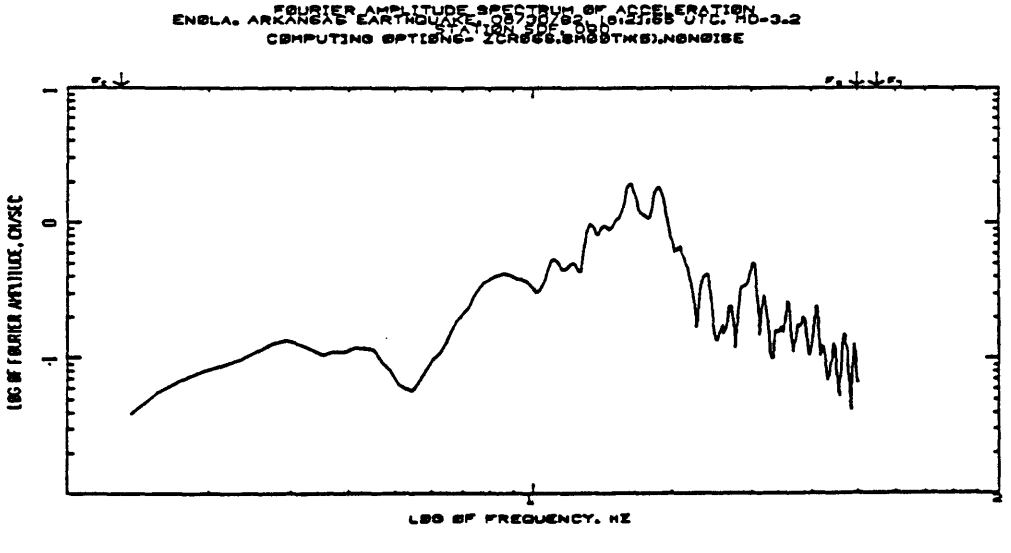

ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD=3.2
STATIØN EDF, DBD
17.84
18.0
-18.0
2
4
SECØNDS

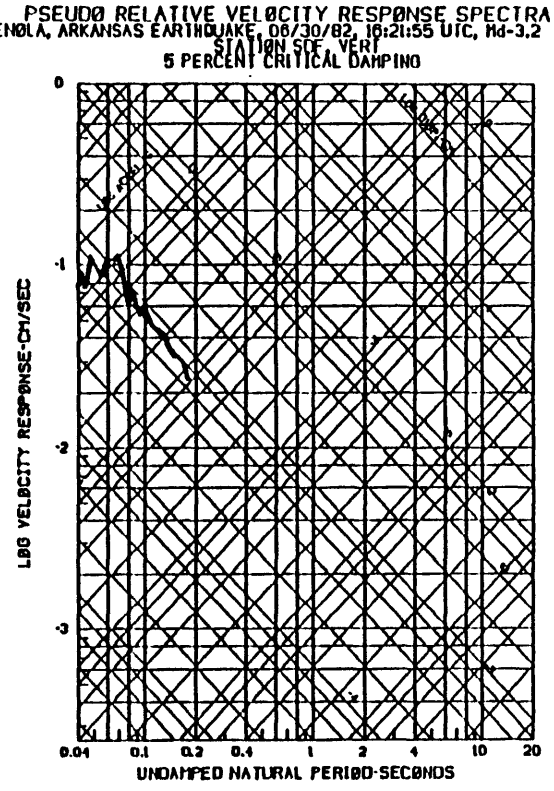

ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD=3.2
STATIØN EDF, DBD
0.330
0.33
-0.33
2
4
SECØNDS

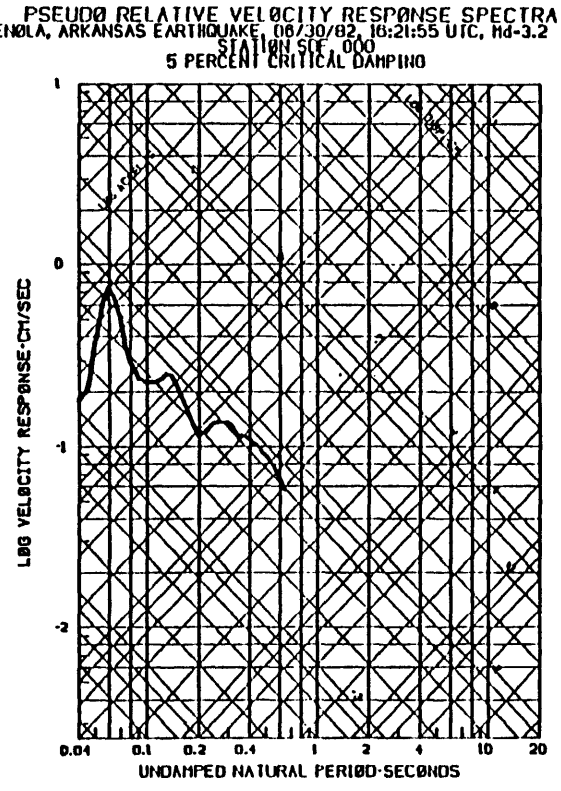

ENØLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD=3.2
STATIØN EDF, DBD
0.0041
-0.0041
-0.00409
2
4
SECØNDS

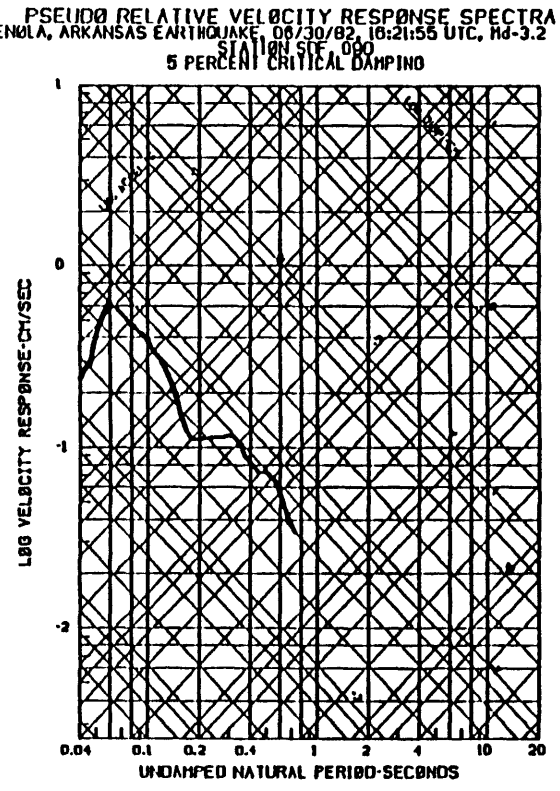

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 08/30/82, 10:27:55 UTC, MD-3.2
STATION SDF, VERT
COMPUTING OPTIONS- ZCR666.SHOOTM(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

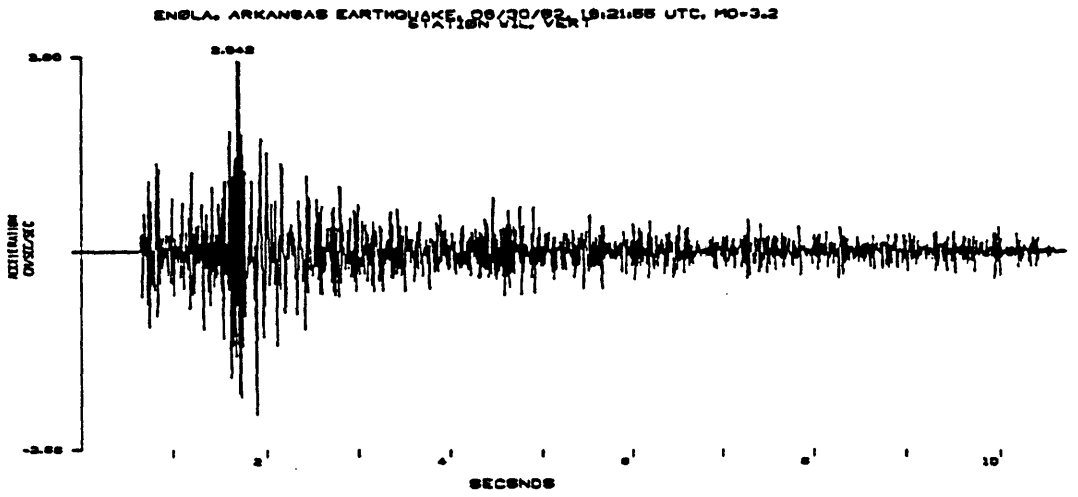

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 08/30/82, 10:27:55 UTC, MD-3.2
STATION SDF, 000
COMPUTING OPTIONS- ZCR666.SHOOTM(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

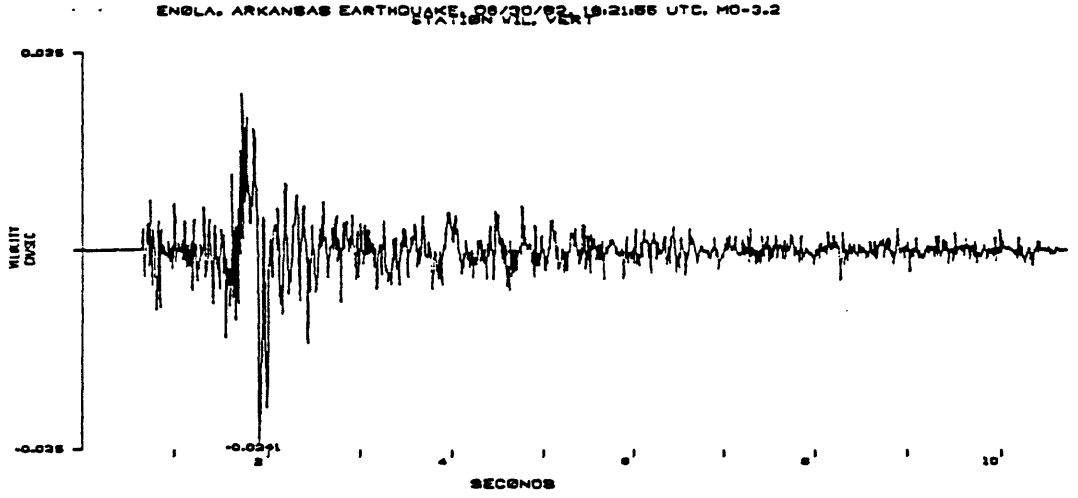

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 08/30/82, 10:27:55 UTC, MD-3.2
STATION SDF, 090
COMPUTING OPTIONS- ZCR666.SHOOTM(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

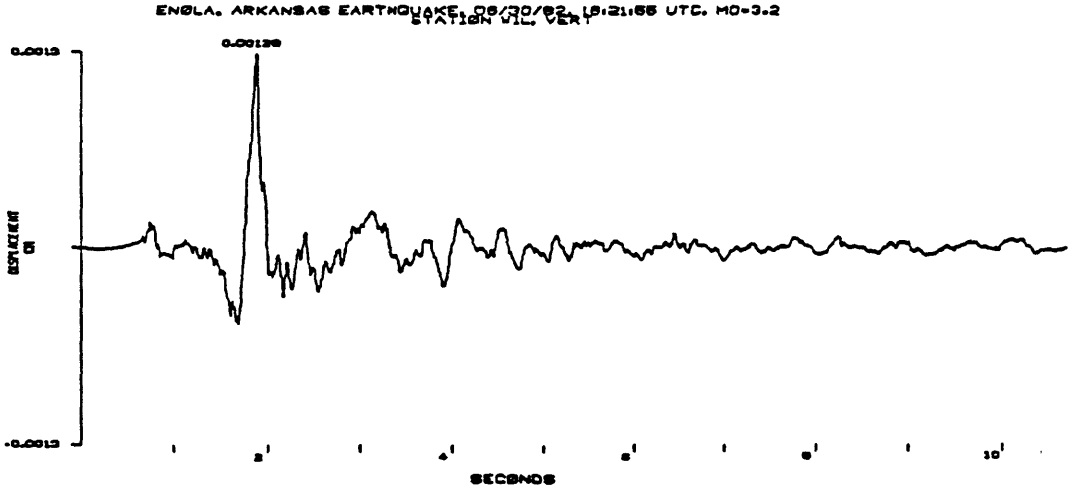

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN SCE VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

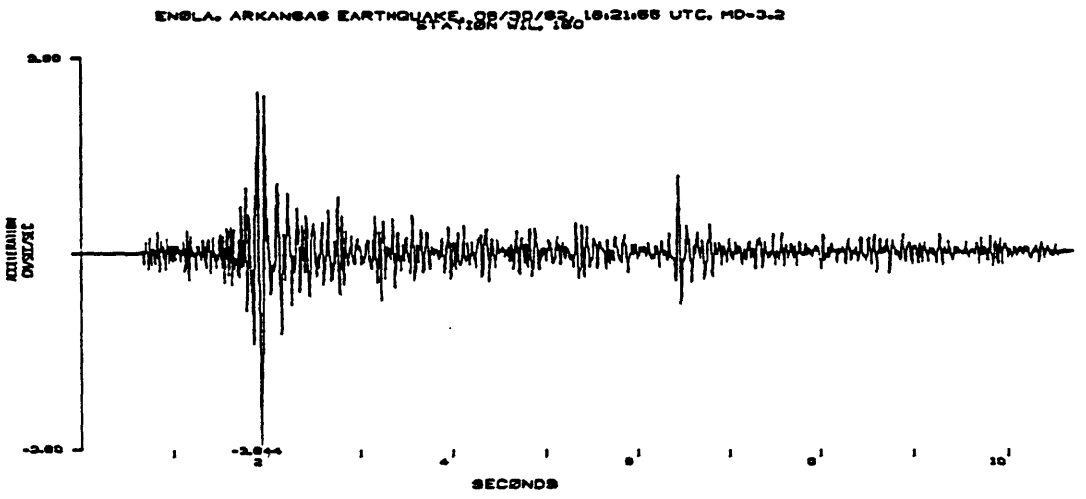

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN SCE 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

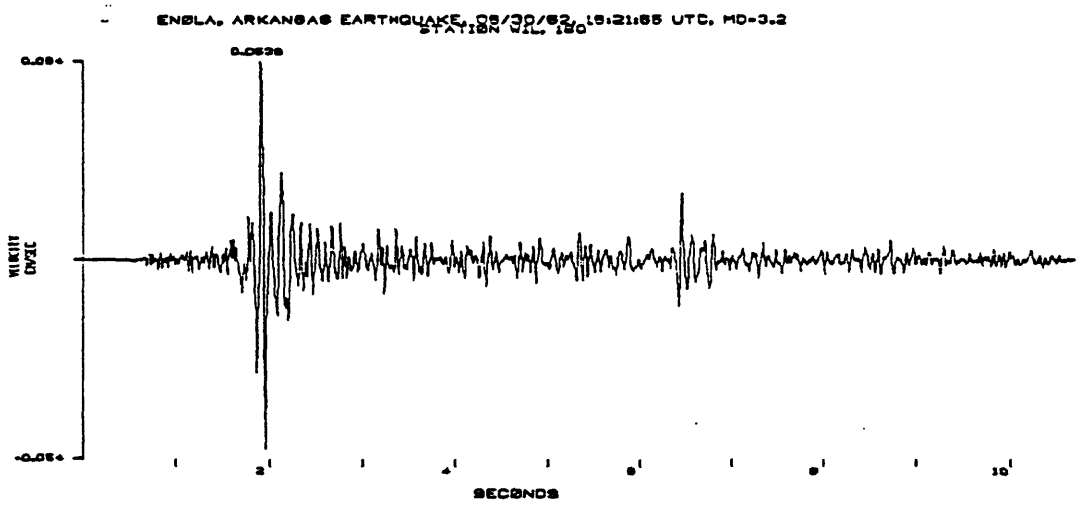

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN SCE 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

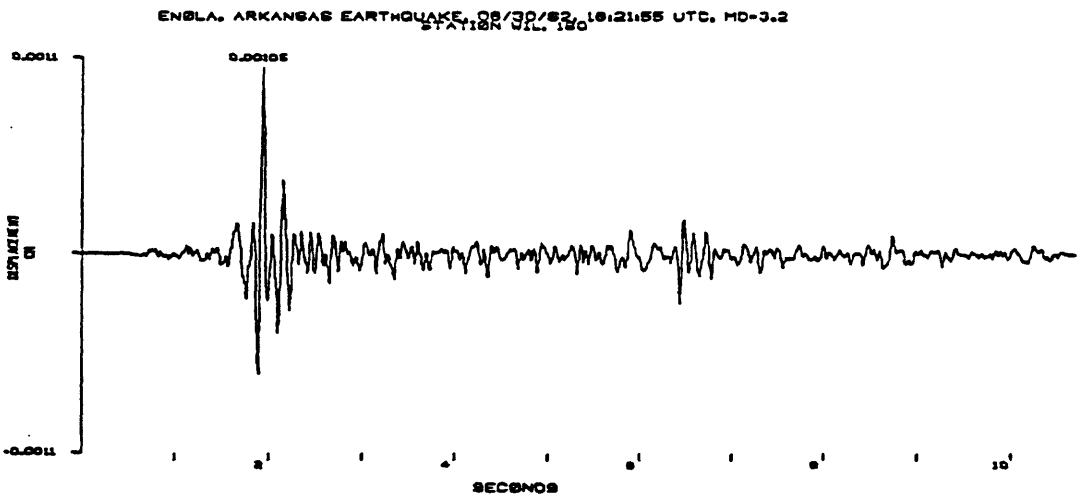

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION VIL, VERT
2.00
-2.00
SECONDS

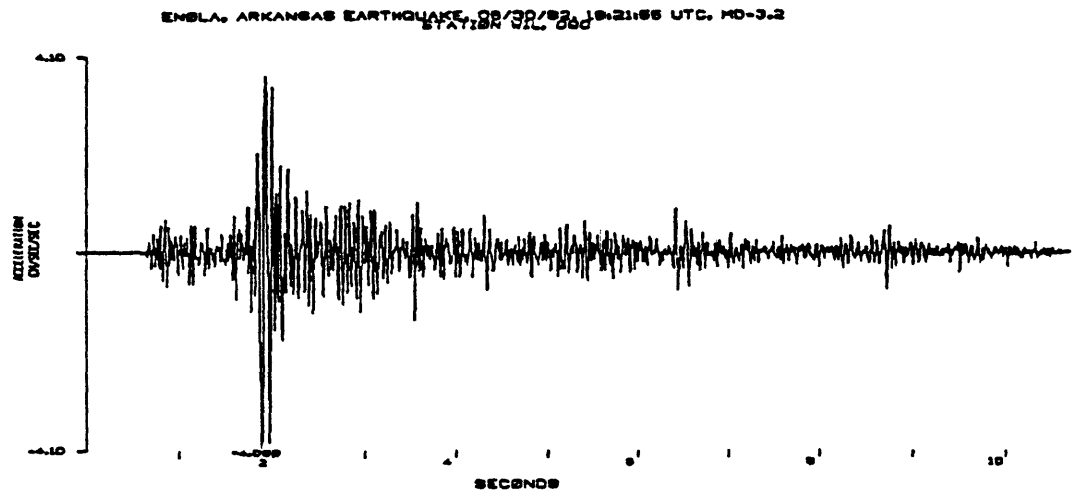

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION VIL, VERT
0.025
-0.025
SECONDS

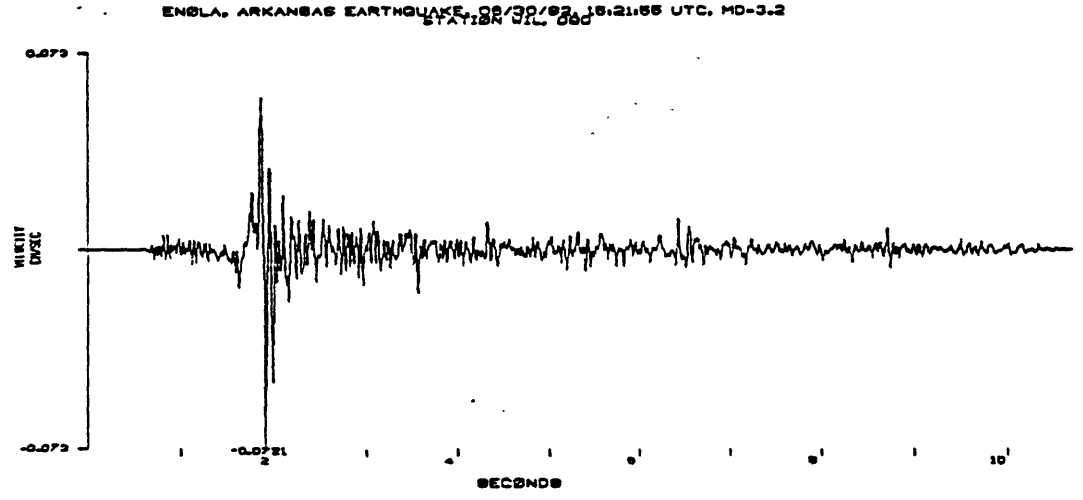

ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 19:21:55 UTC, MD=3.2
STATION VIL, VERT
0.00130
0.0013
-0.0013
SECONDS

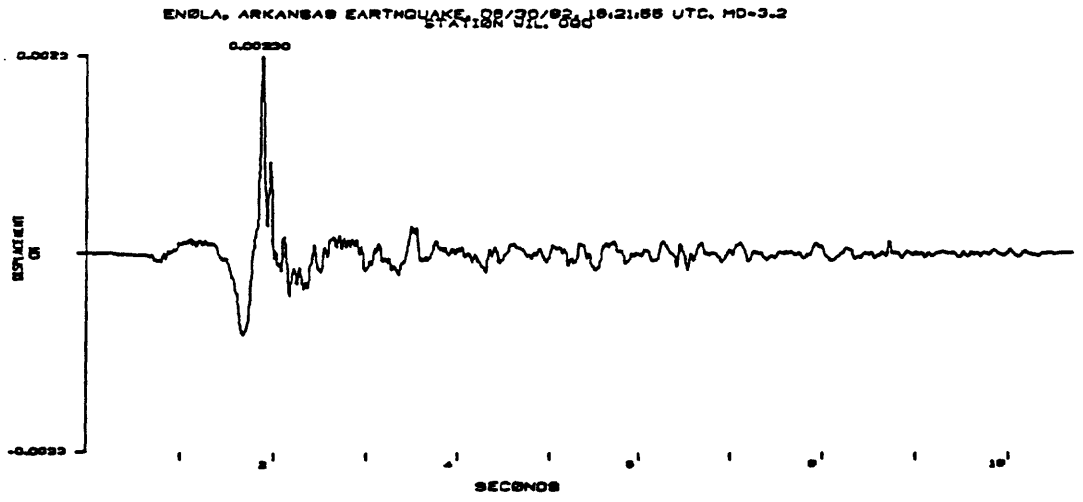

ENØLA, ARKANSAS EARTHQUAKE, 08/30/62, 16:21:55 UTC, MD=3.2
STATIØN WIL, 180
SECØNDS

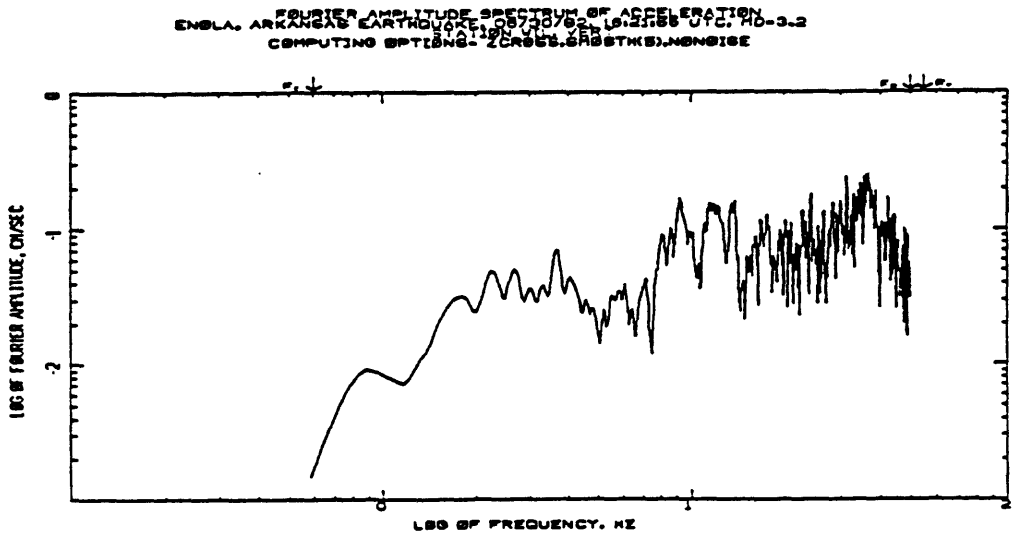

ENØLA, ARKANSAS EARTHQUAKE, 08/30/62, 16:21:55 UTC, MD=3.2
STATIØN WIL, 180
SECØNDS

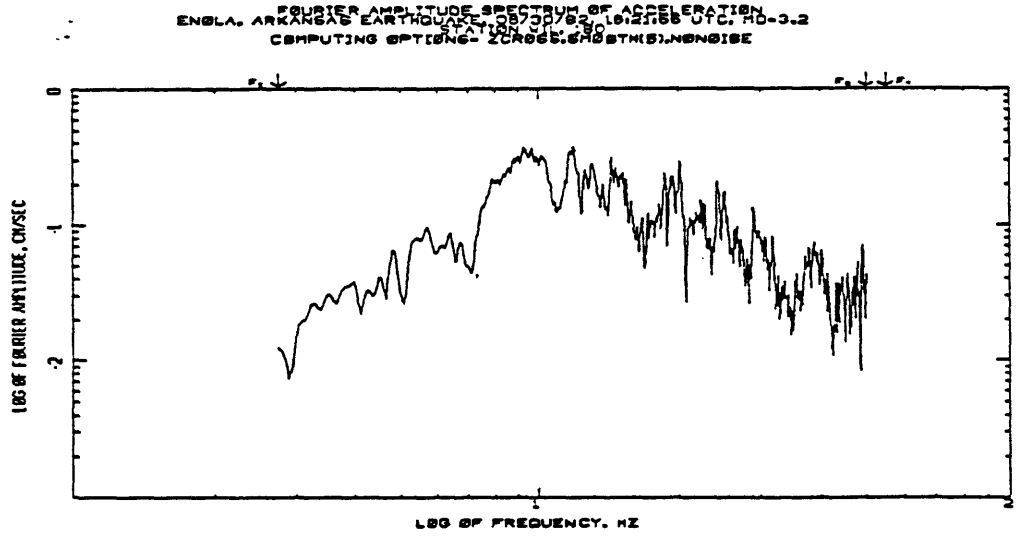

ENØLA, ARKANSAS EARTHQUAKE, 08/30/62, 16:21:55 UTC, MD=3.2
STATIØN WIL, 180
SECØNDS

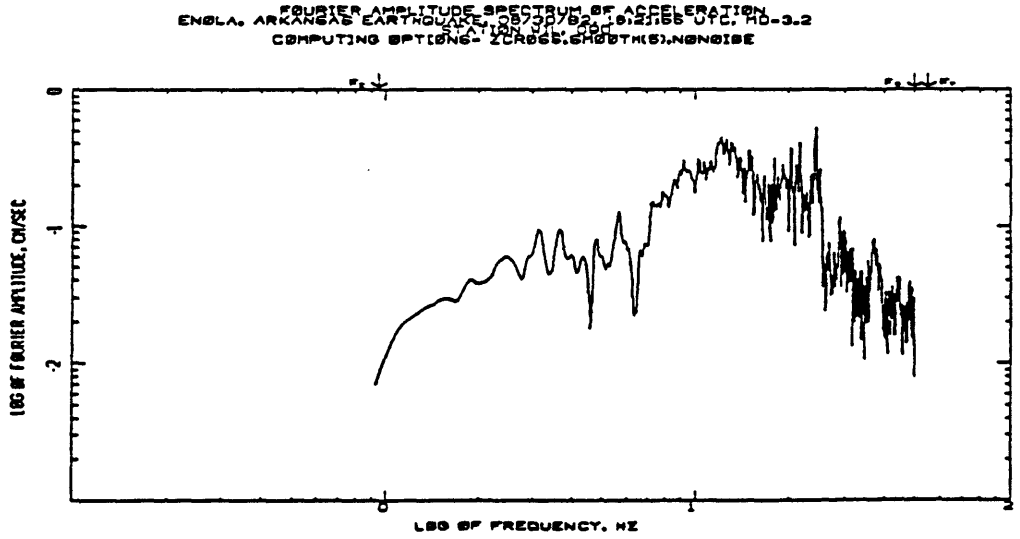

ENOLA, ARKANSAS EARTHQUAKE, 08/30/92, 18:21:55 UTC, MD-3.2
STATION WIL, 000
4.10
-4.10
-4.099
2
4
6
8
10
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 08/30/92, 18:21:55 UTC, MD-3.2
STATION WIL, 000
0.073
-0.073
-0.0721
2
4
6
8
10
SECONDS

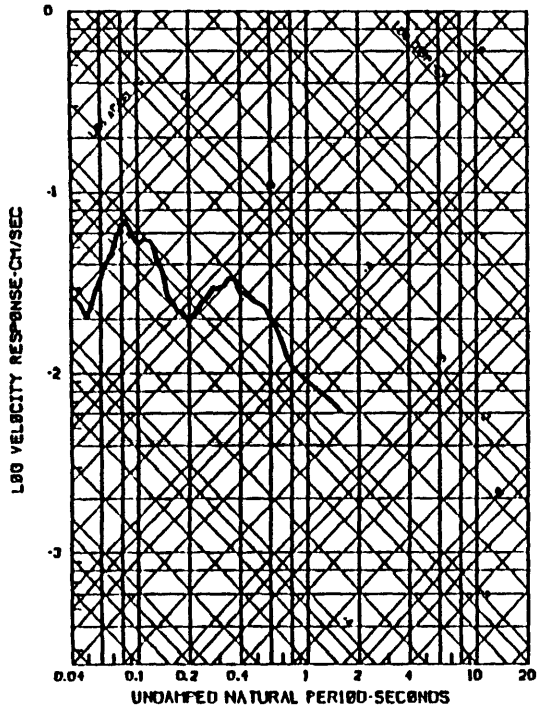

ENOLA, ARKANSAS EARTHQUAKE, 08/30/92, 18:21:55 UTC, MD-3.2
STATION WIL, 000
0.0023
0.00230
-0.0033
2
4
6
8
10
SECONDS


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD-3.2
STATION VIL. 180
COMPUTING OPTIONS- ZCROSS.SMOOTH(5).NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

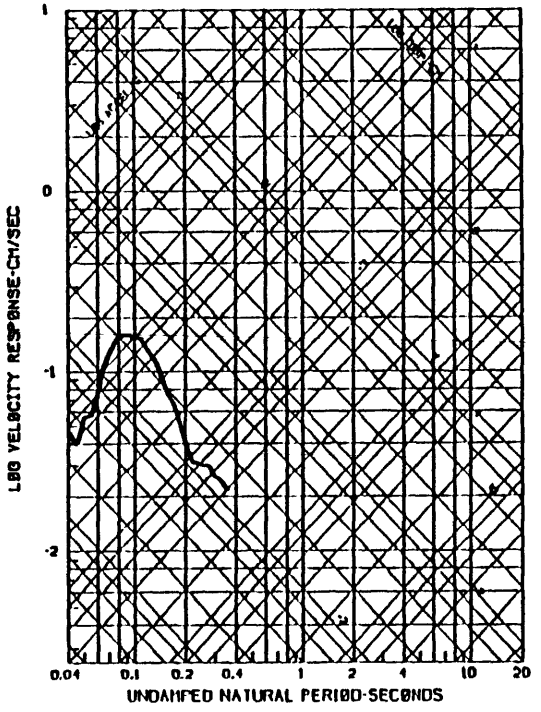

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD-3.2
STATION VIL. 180
COMPUTING OPTIONS- ZCROSS.SMOOTH(5).NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 08/30/82, 18:21:55 UTC, MD-3.2
STATION VIL. 000
COMPUTING OPTIONS- ZCROSS.SMOOTH(5).NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

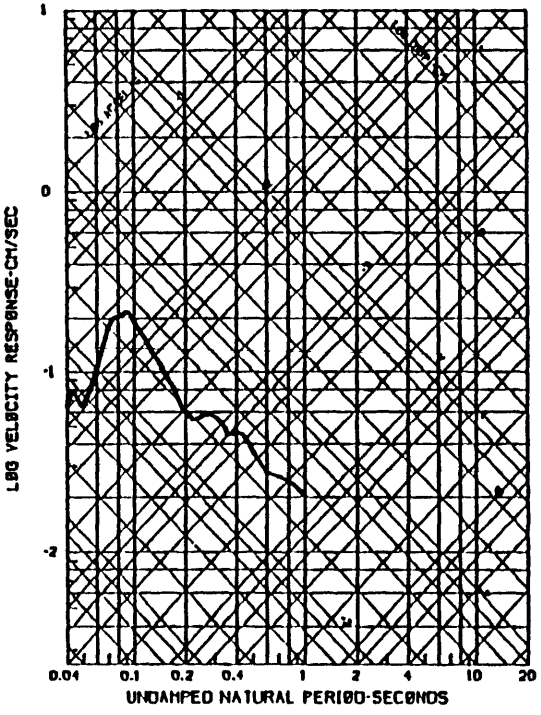
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN VIL, VERT
5 PERCENT CRITICAL DAMPING



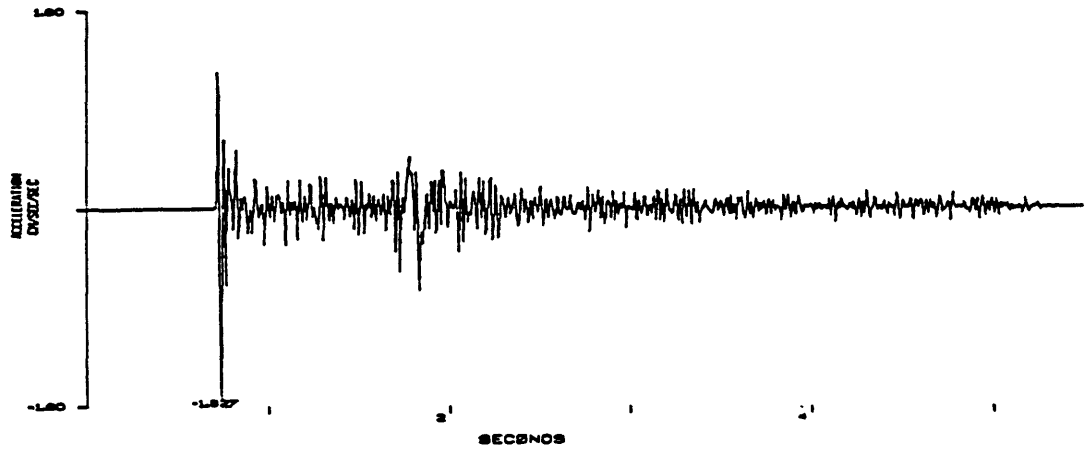
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN VIL, 180
5 PERCENT CRITICAL DAMPING



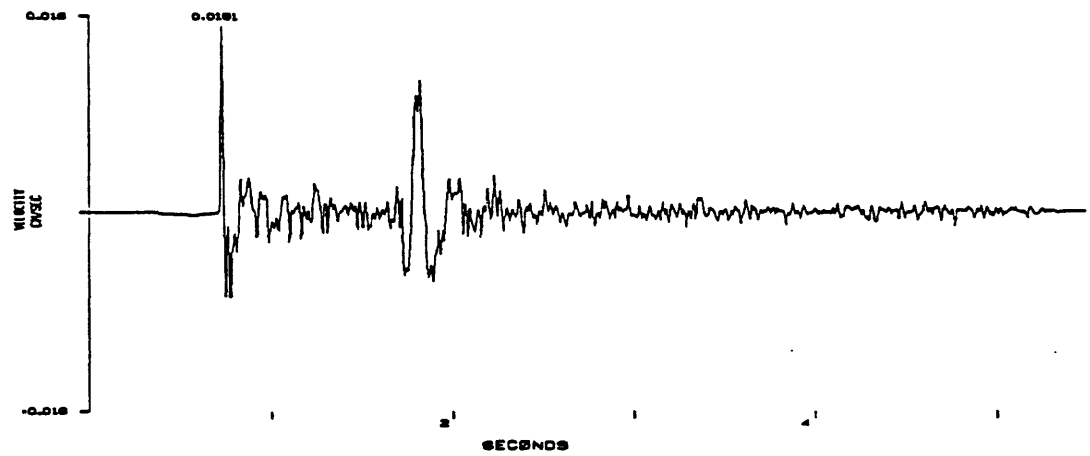
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 06/30/82, 16:21:55 UTC, Md-3.2
STATIØN VIL, 090
5 PERCENT CRITICAL DAMPING



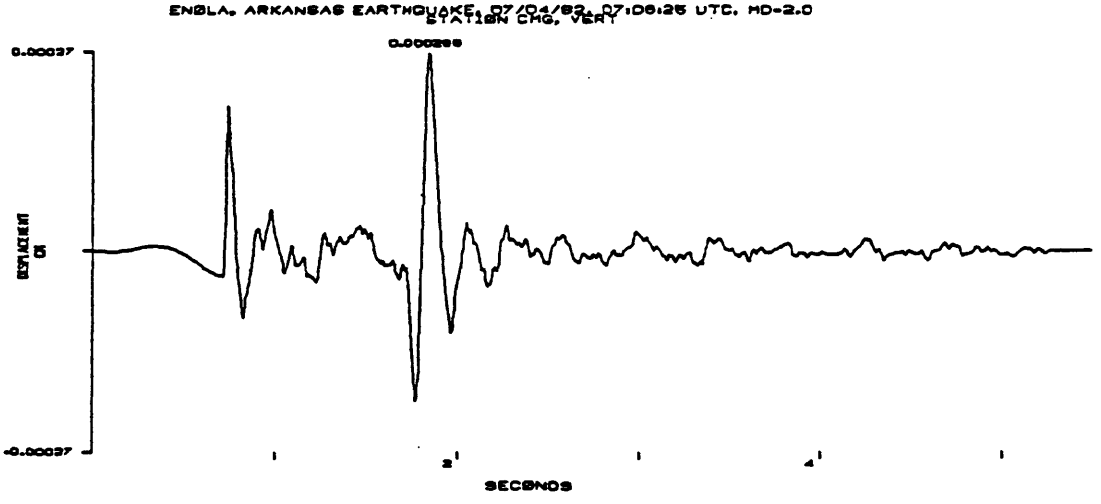
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN CHG, VERT

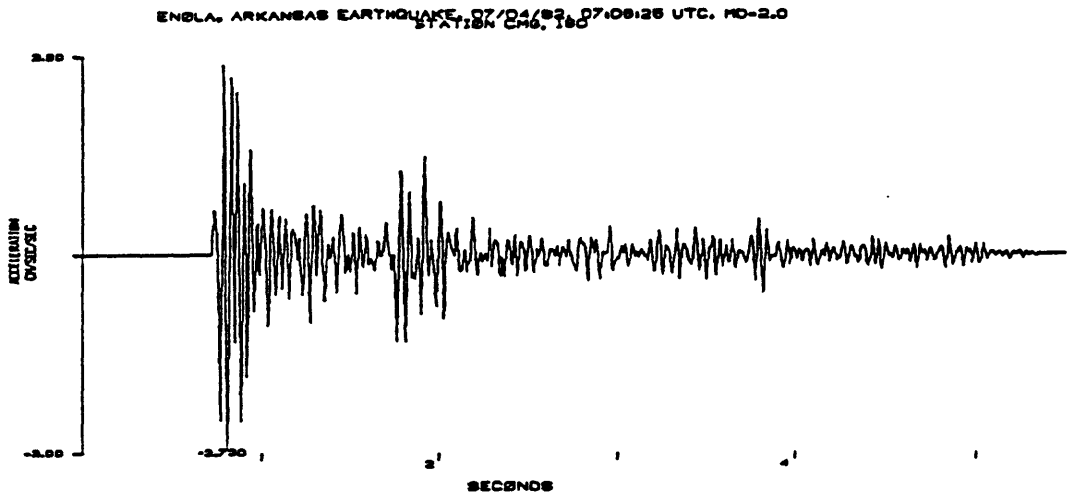


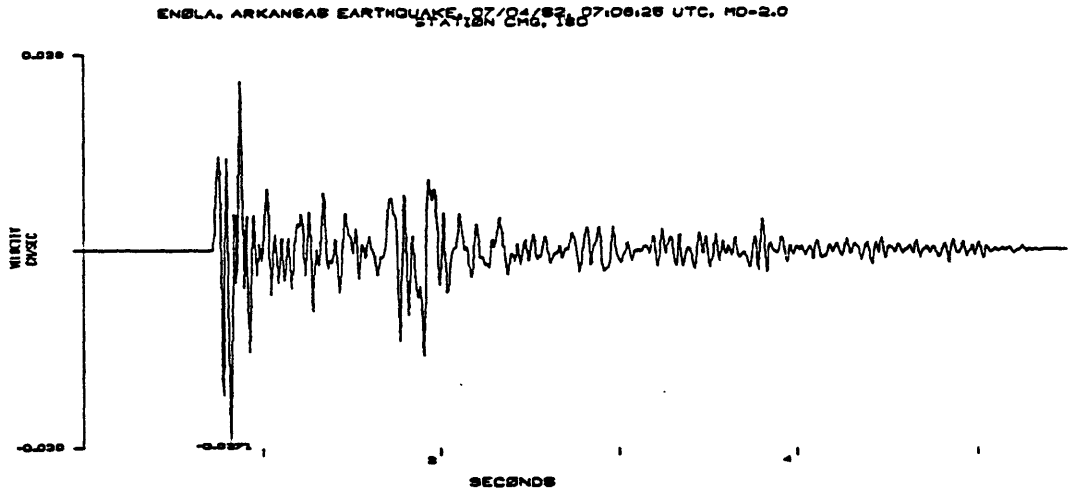
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN CHG, VERT

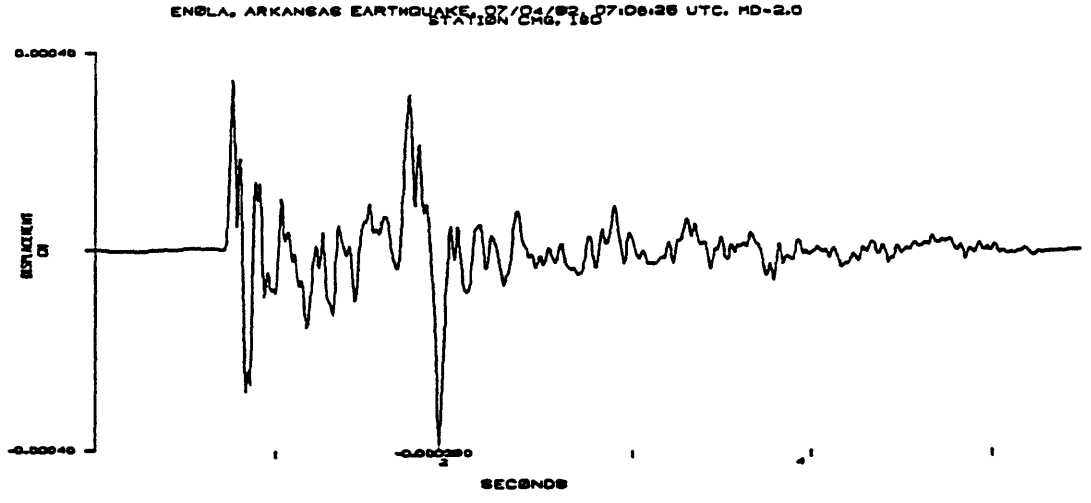


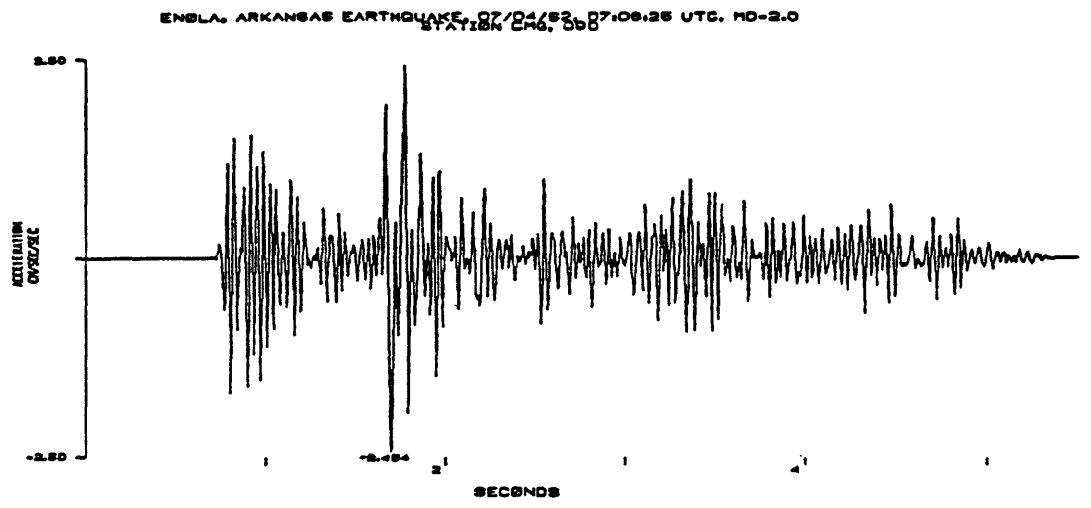
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN CHG, VERT

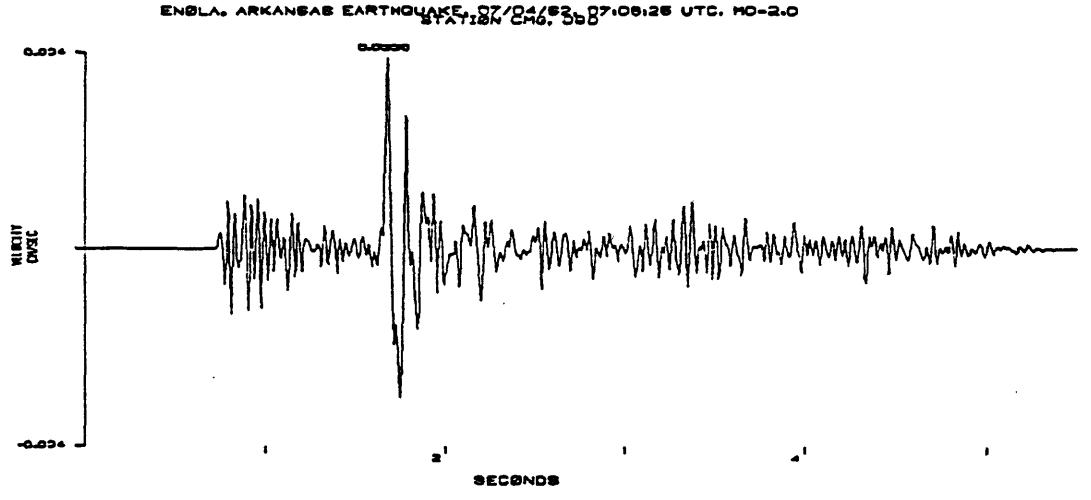


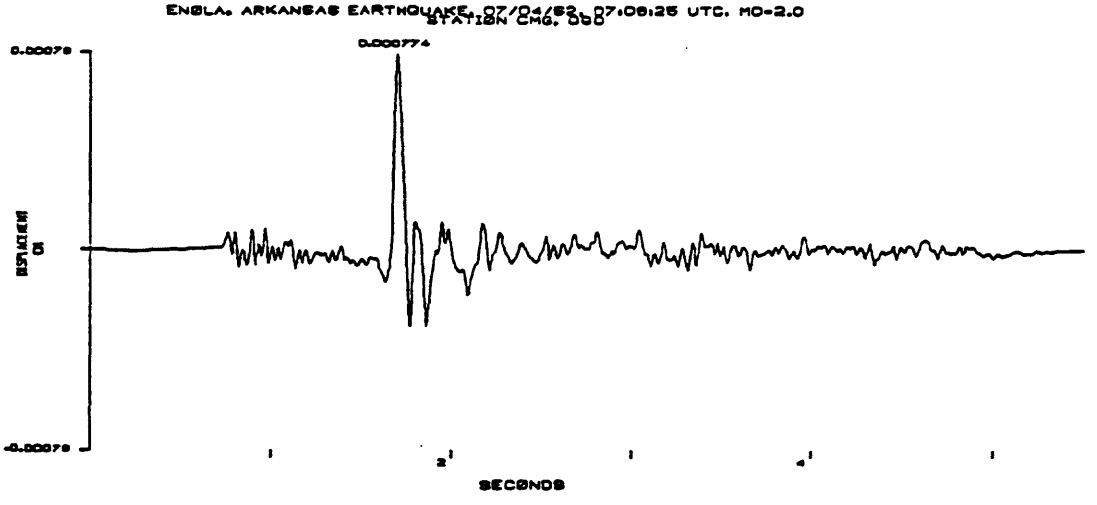

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION CHG, ISO
ACCELERATION CM/SEC/SEC
SECONDS

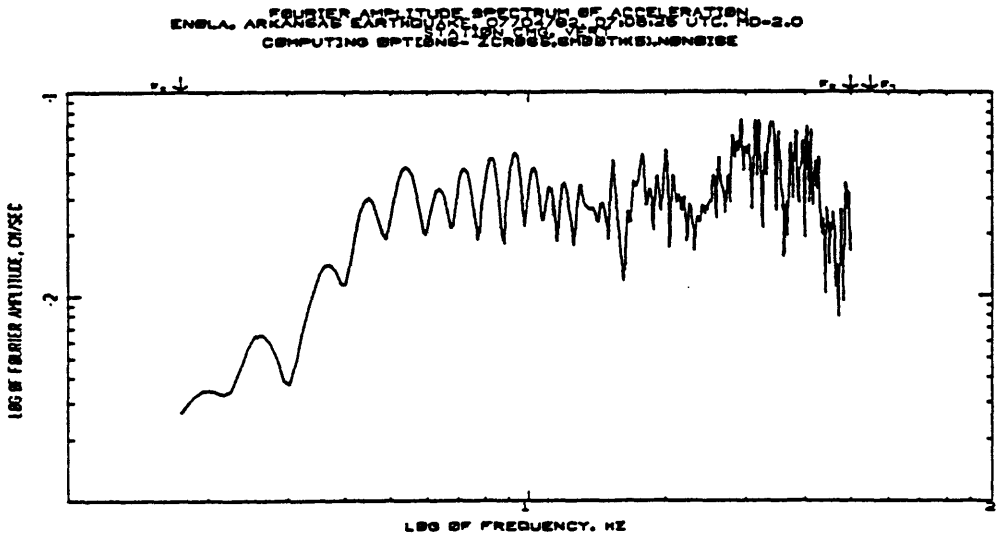

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION CHG, ISO
VELOCITY CM/SEC
SECONDS

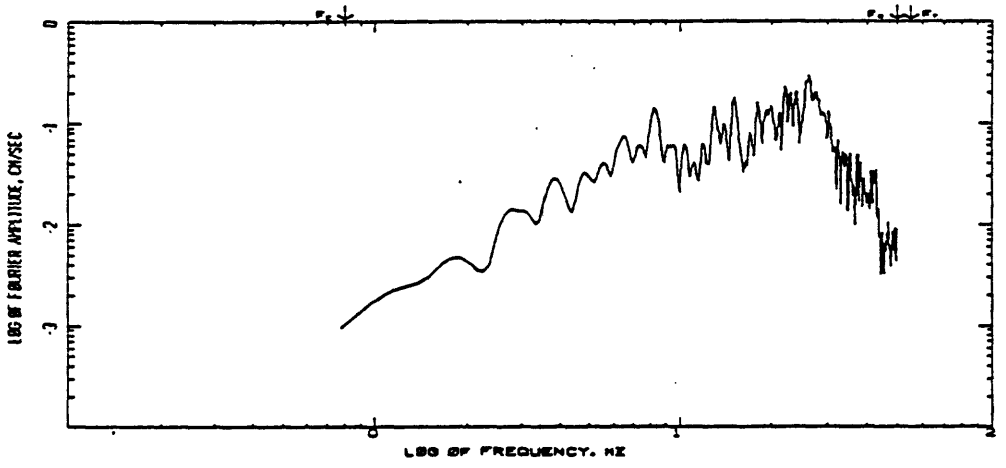

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION CHG, ISO
DISPLACEMENT CM
SECONDS

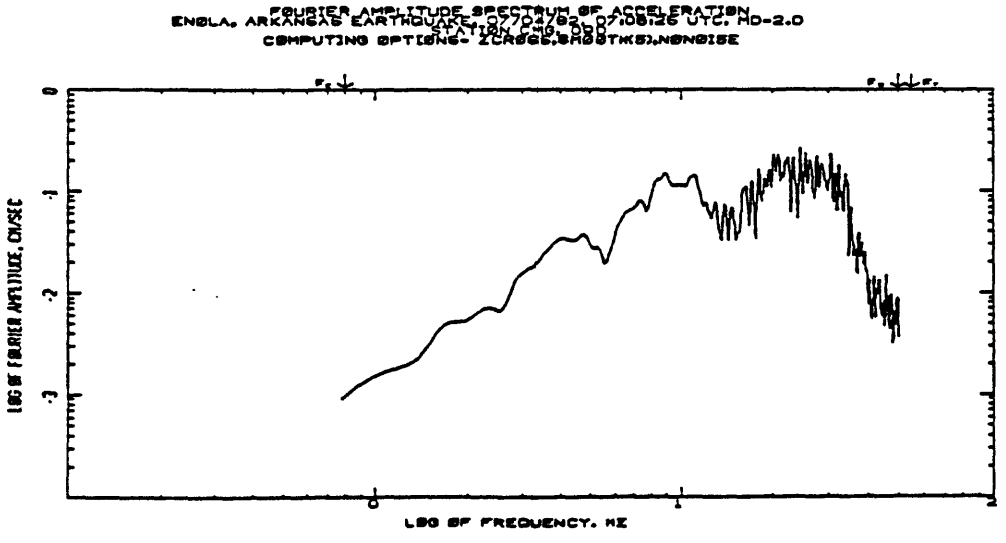

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATIØN CMG, DDD
2.50
-2.50
-2.454
SECØNDS

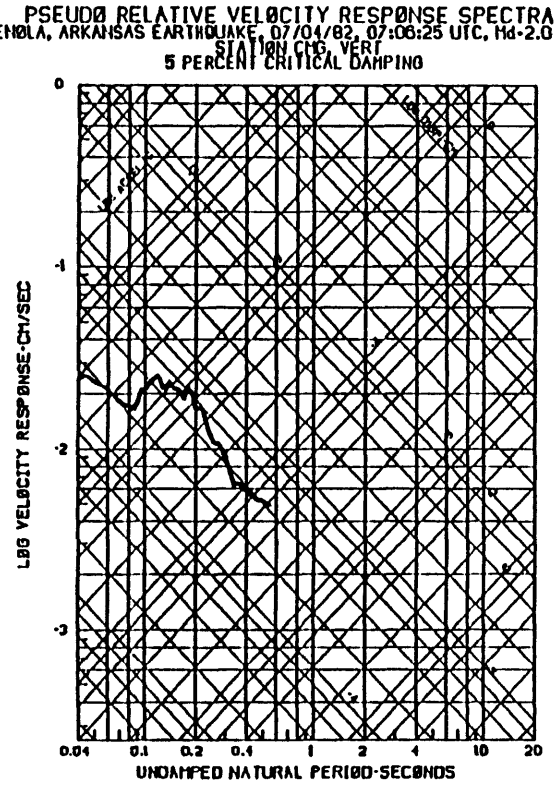

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATIØN CMG, DDD
0.034
-0.034
SECØNDS

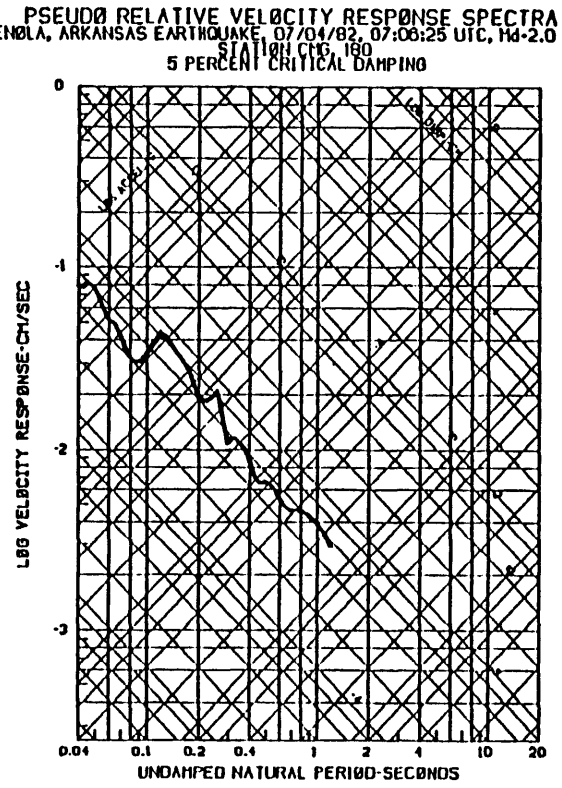

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATIØN CMG, DDD
0.000774
0.00078
-0.00078
SECØNDS

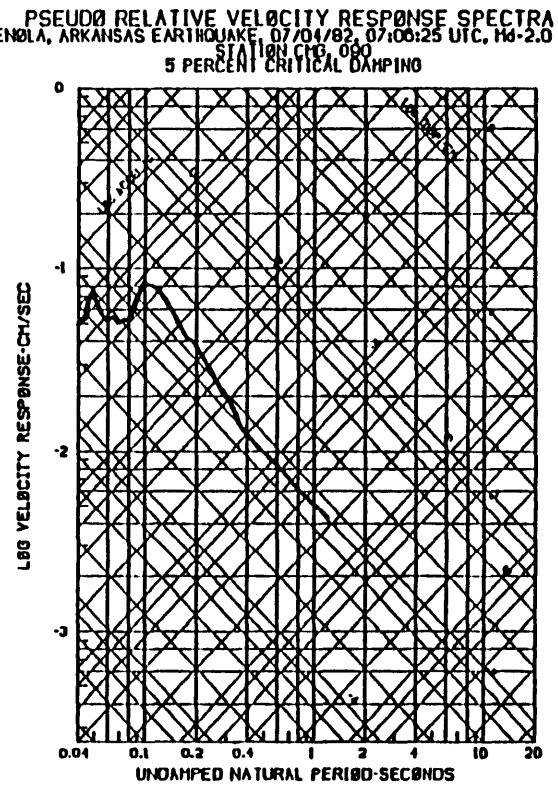

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/62, 07:08:26 UTC, MD=2.0
STATION CHG, VERT
COMPUTING OPTIONS- ZCR66,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

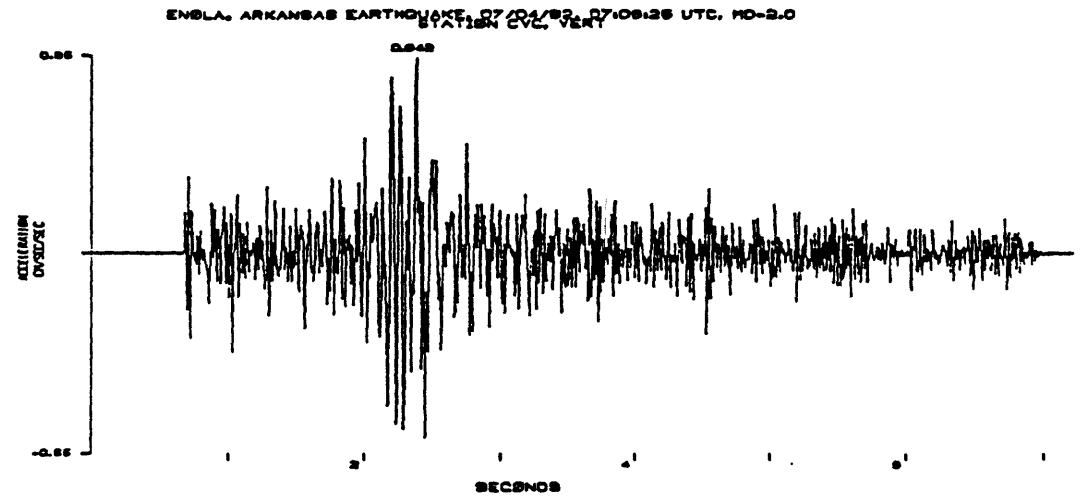

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/62, 07:08:26 UTC, MD=2.0
STATION CHG 180
COMPUTING OPTIONS- ZCR66,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

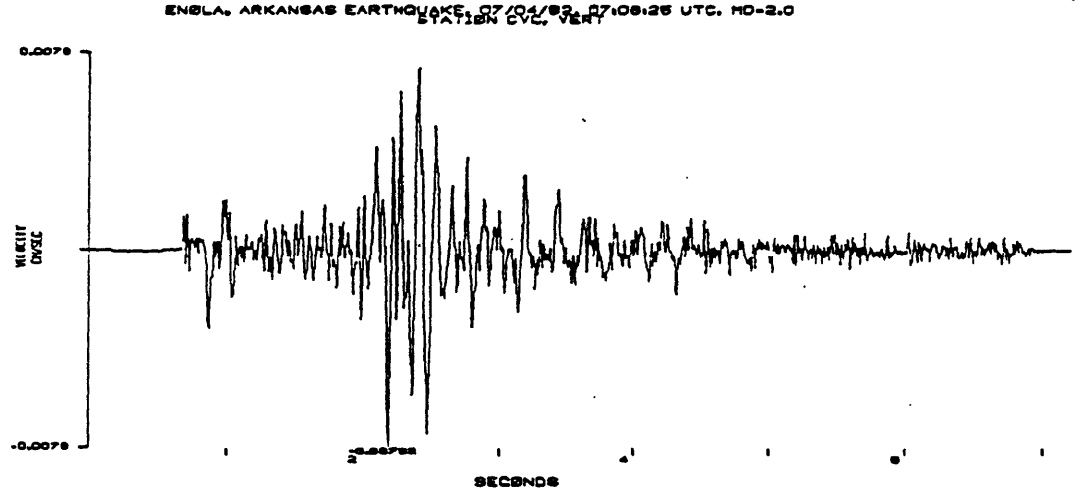

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/62, 07:08:26 UTC, MD=2.0
STATION CHG 090
COMPUTING OPTIONS- ZCR66,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

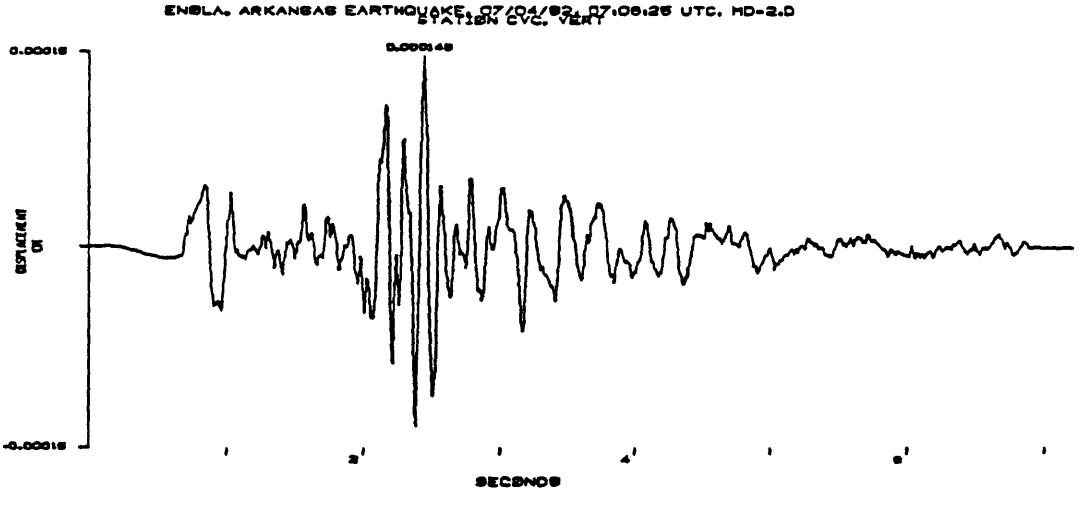

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATION CMG, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

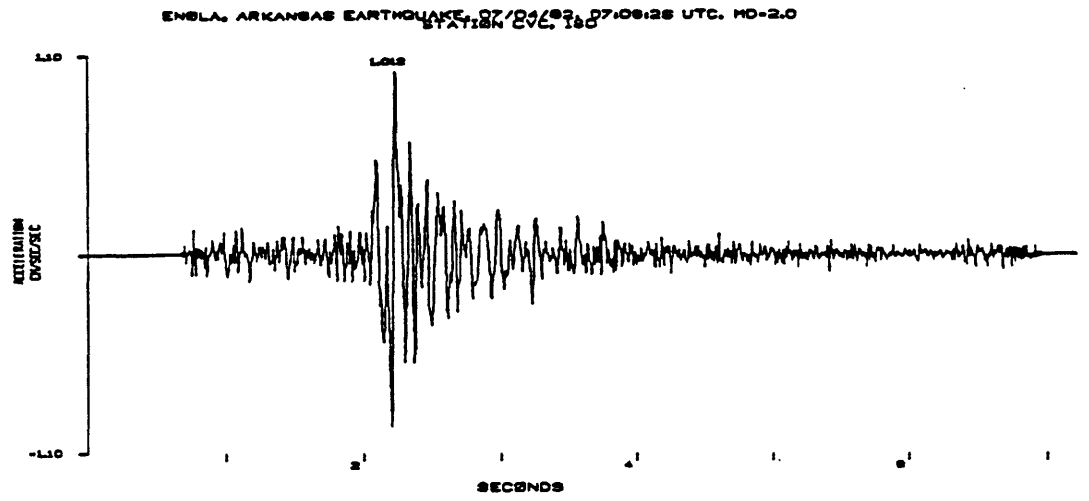

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATION CMG, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

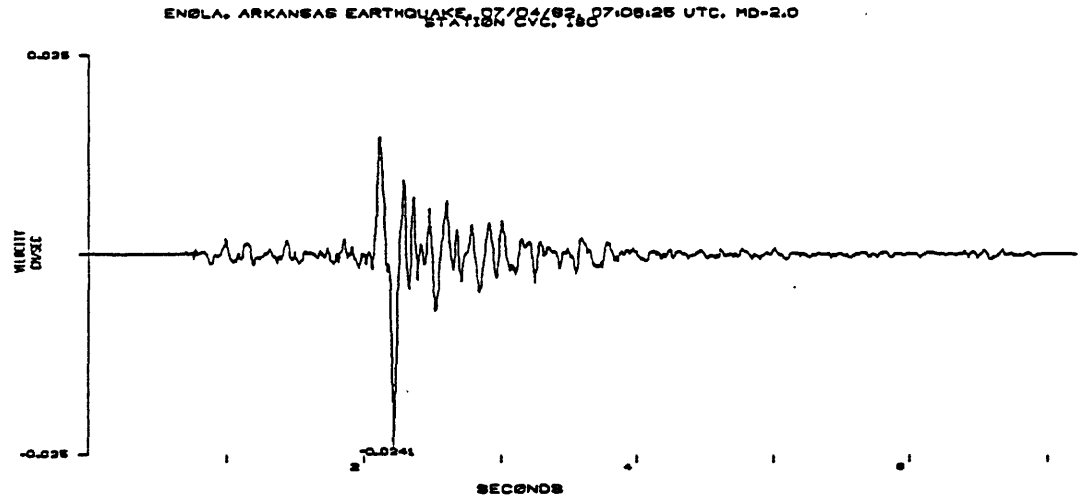

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATION CMG, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

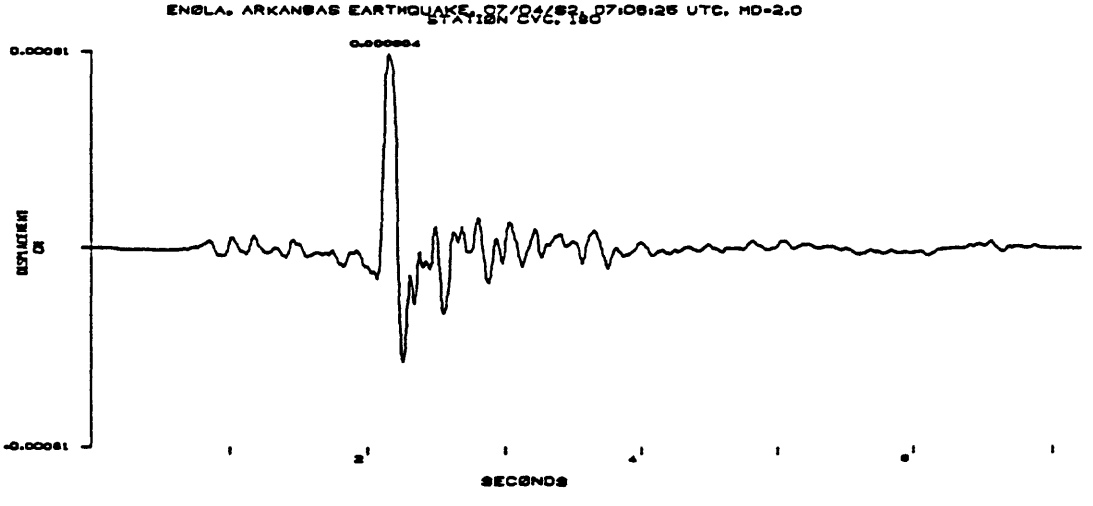

ENOLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:08:25 UTC, MD=2.0
STATION CVC, VERT
0.042
0.05
-0.05
SECONDS

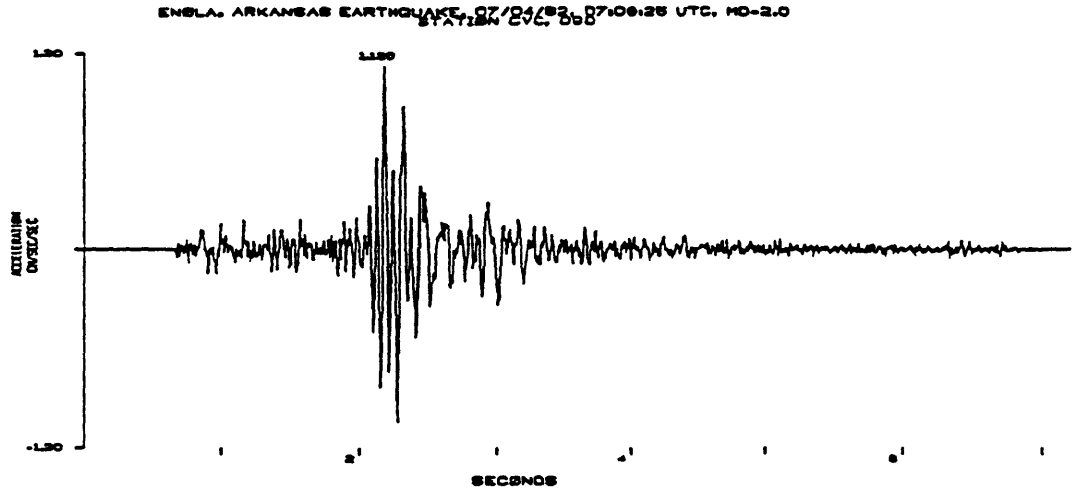

ENOLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:08:25 UTC, MD=2.0
STATION CVC, VERT
0.0079
-0.0079
SECONDS

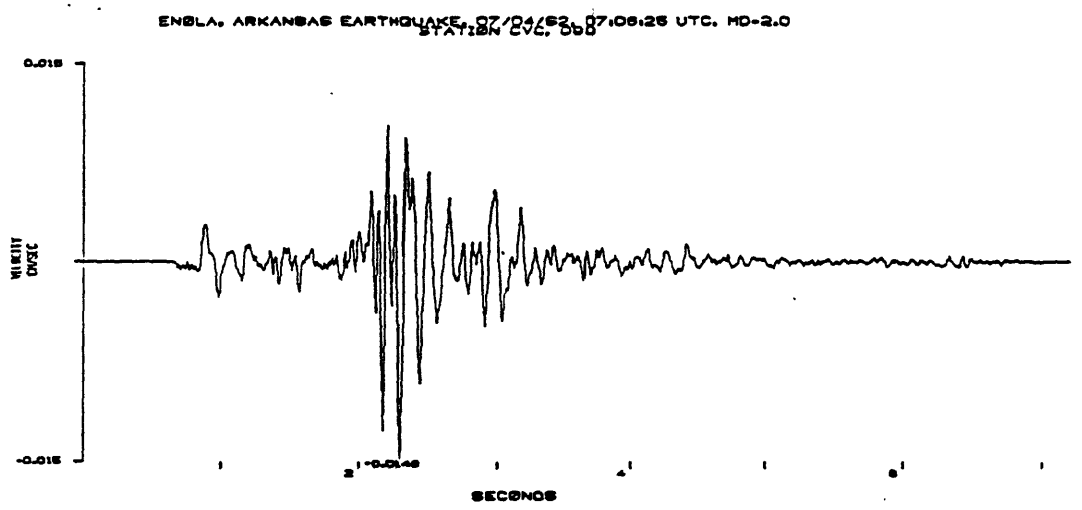

ENOLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:08:25 UTC, MD=2.0
STATION CVC, VERT
0.000148
0.00015
-0.00015
SECONDS

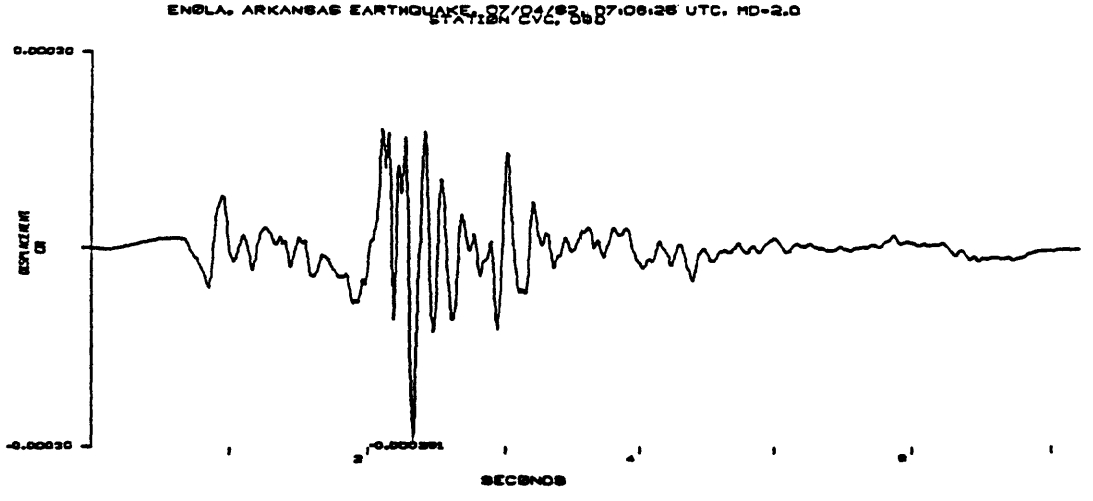

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATIØN CVC, 180
1.10
-1.10
ACCELERATION CM/SEC/SEC
SECØNDS

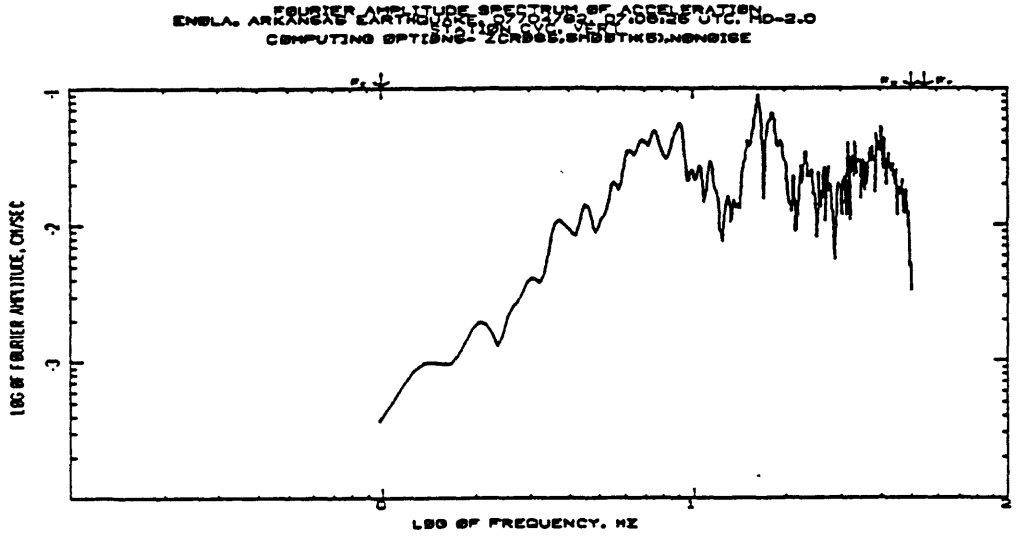

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATIØN CVC, 180
0.025
-0.025
VELOCITY CM/SEC
-0.0241
SECØNDS

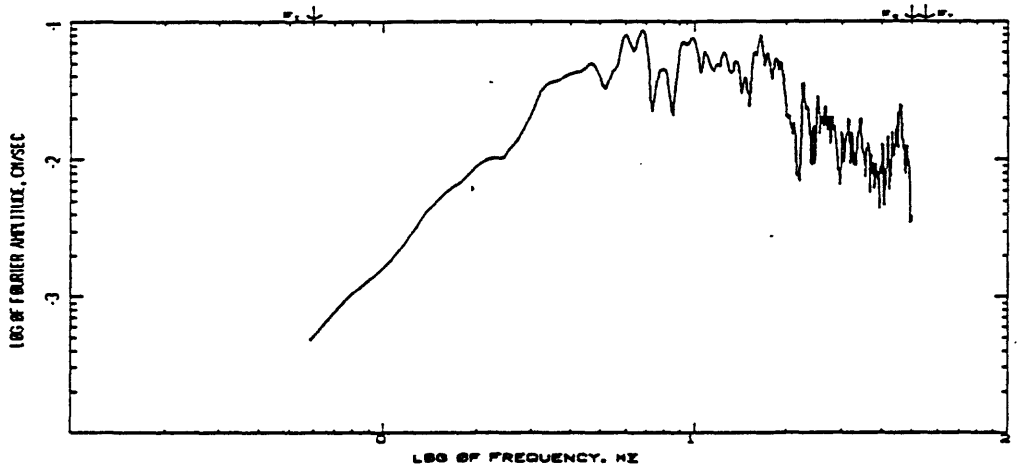

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATIØN CVC, 180
0.00081
-0.00081
DISPLACEMENT CM
SECØNDS

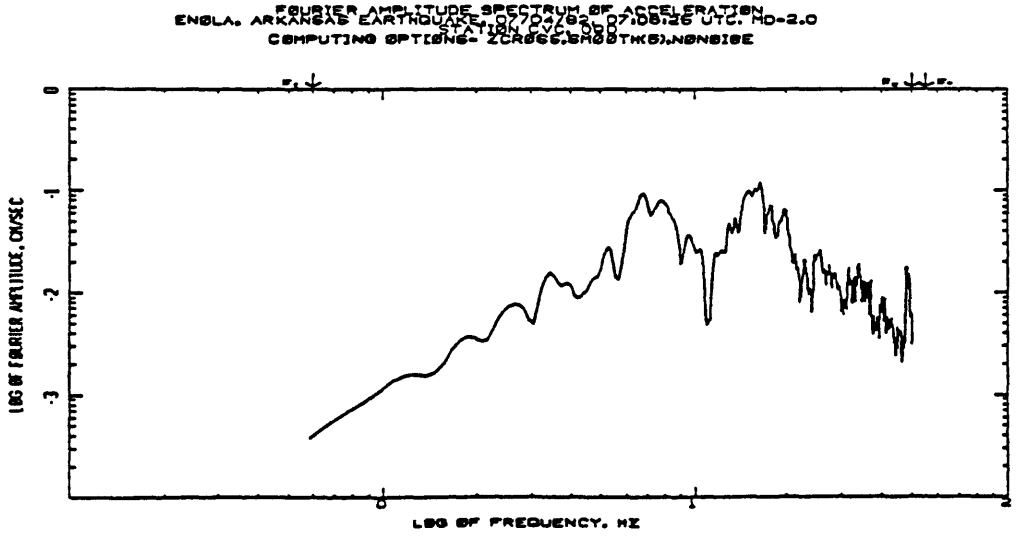

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION CVC, DD
1.250
-1.250
SECONDS

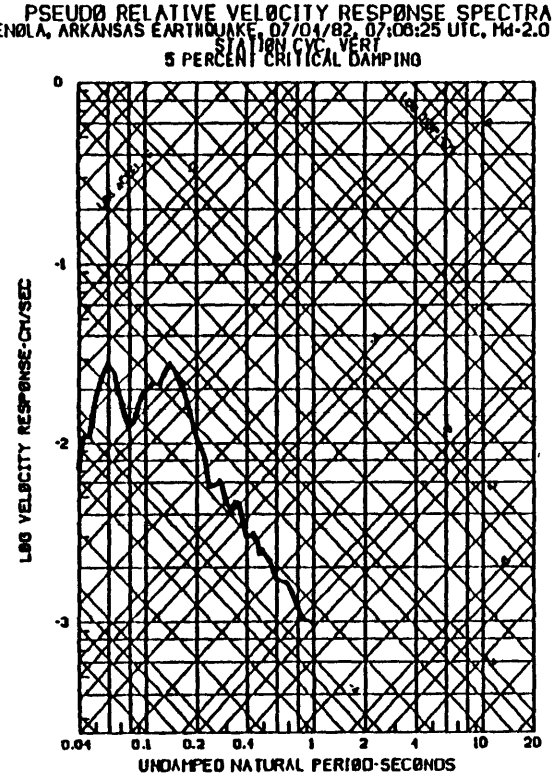

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION CVC, DD
0.015
-0.015
SECONDS

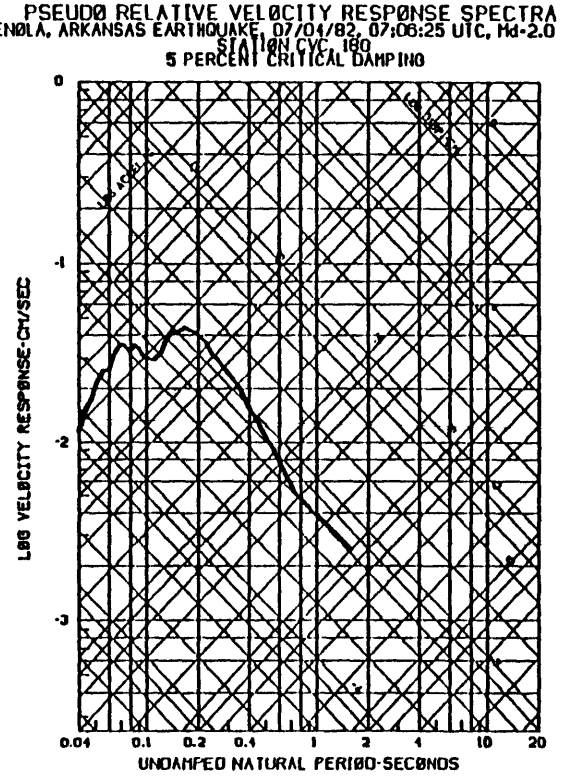

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION CVC, DD
0.00030
-0.00030
SECONDS

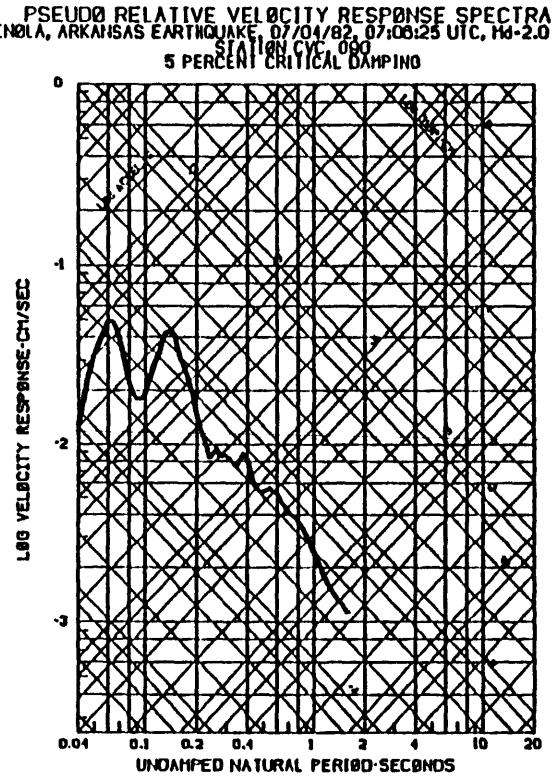

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION PVC-180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION PVC-180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

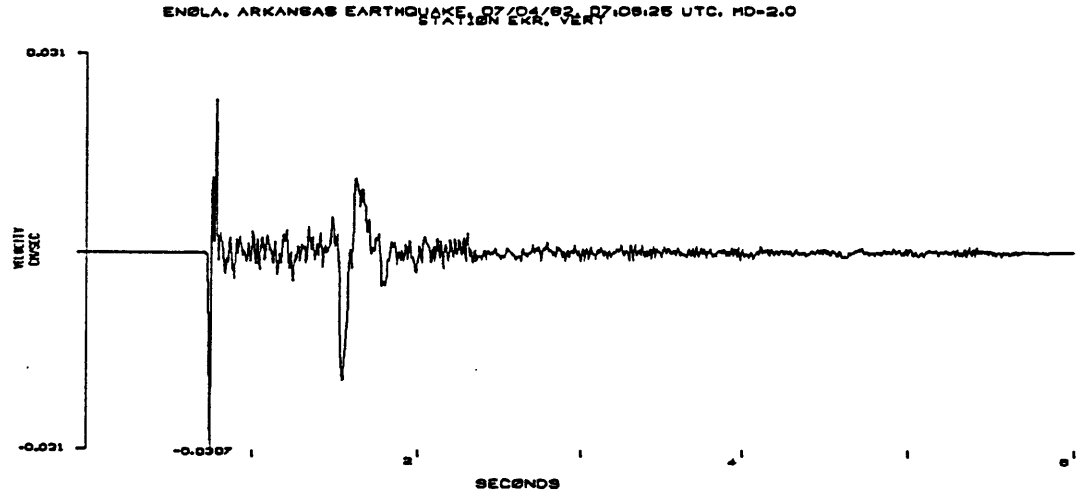

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION PVC-180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

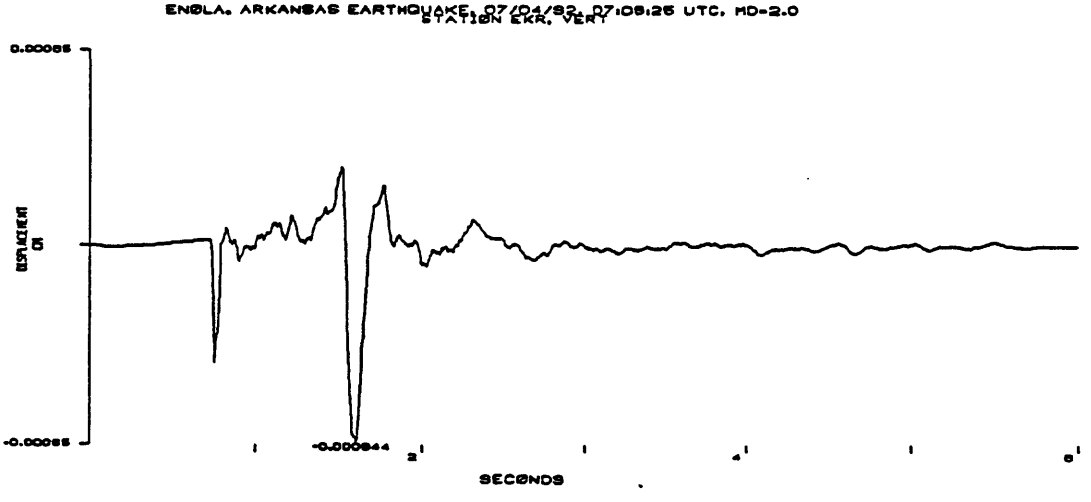

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN CYC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

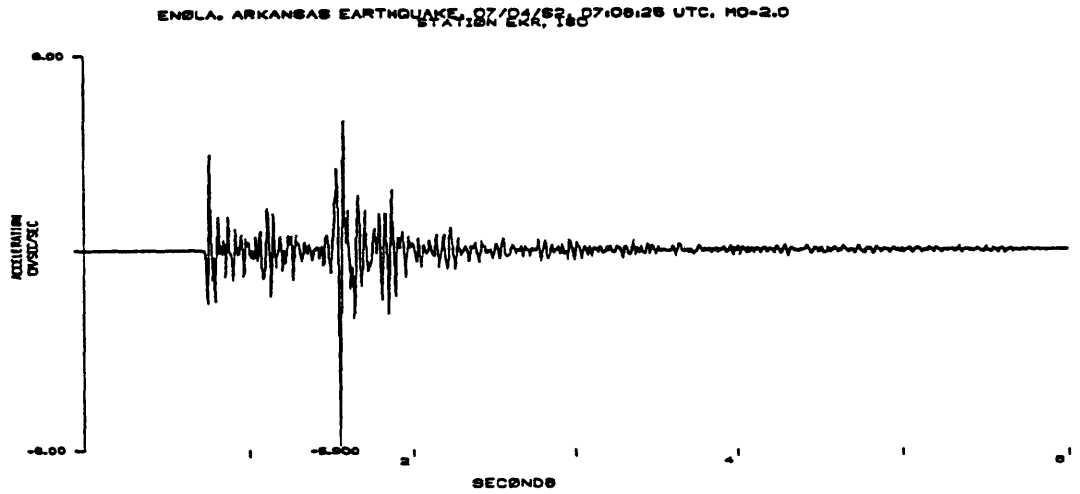

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN CYC, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

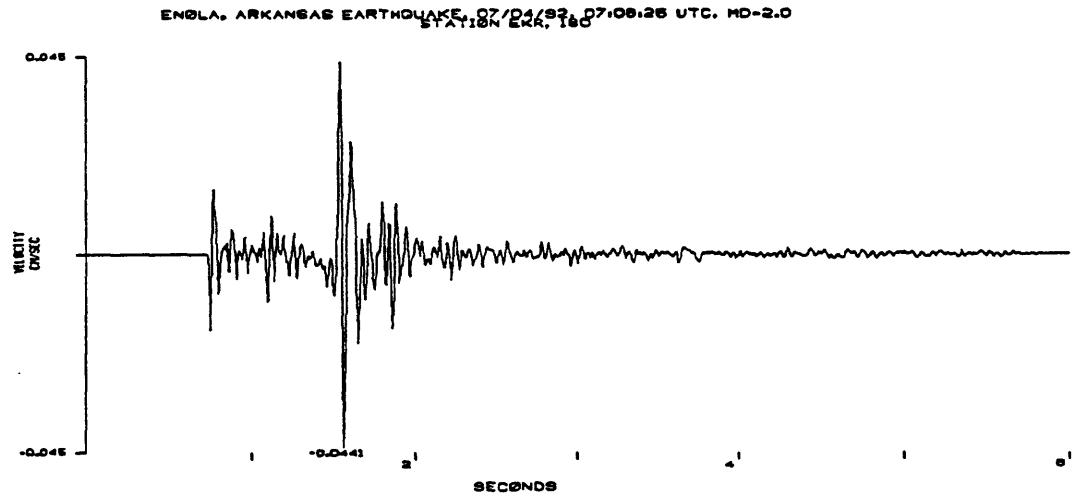

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN CYC, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

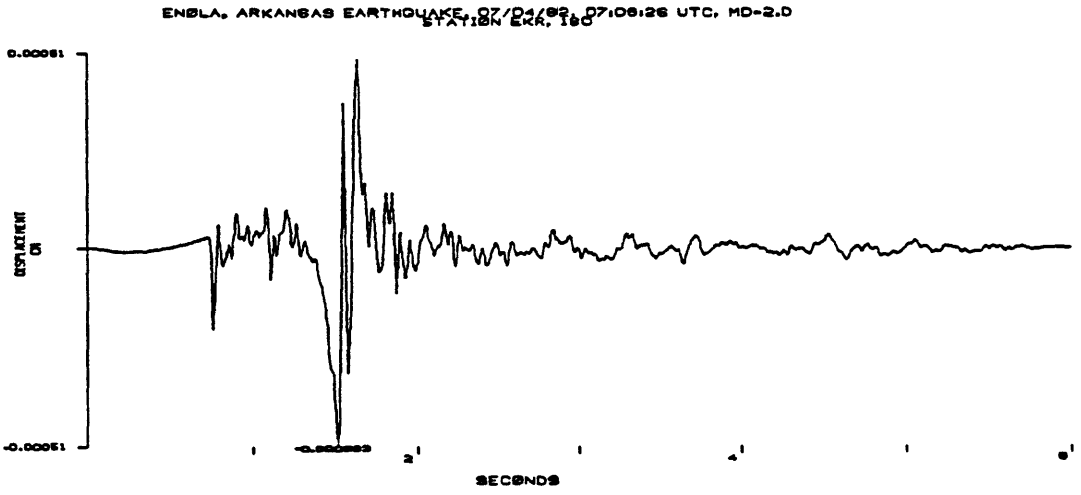
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:09:26 UTC, MD=2.0
STATION EKR, VERT
5.00
4.841
-5.00
ACCELERATION CM/SEC/SEC
2
4
6
SECONDS

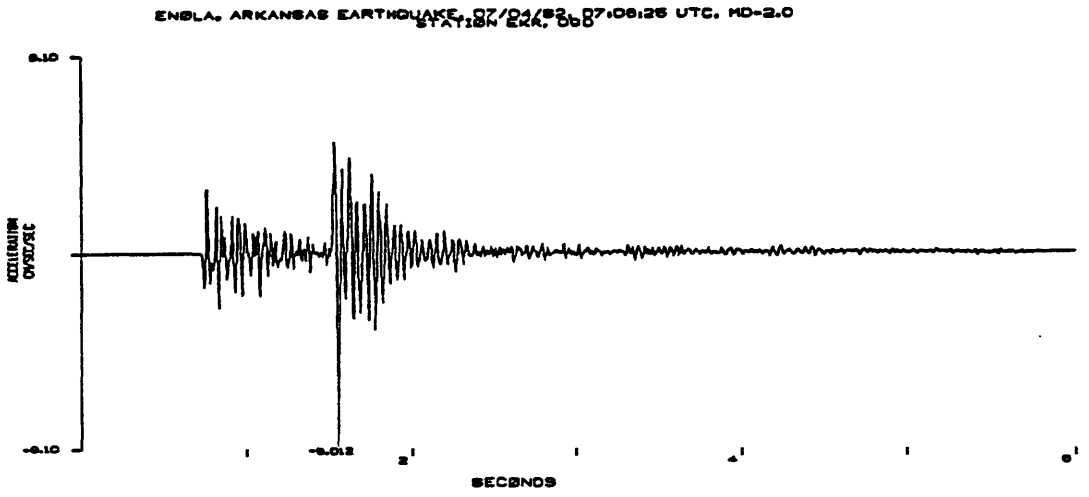

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:09:26 UTC, MD=2.0
STATION EKR, VERT
0.031
-0.031
-0.0307
VELOCITY CM/SEC
2
4
6
SECONDS

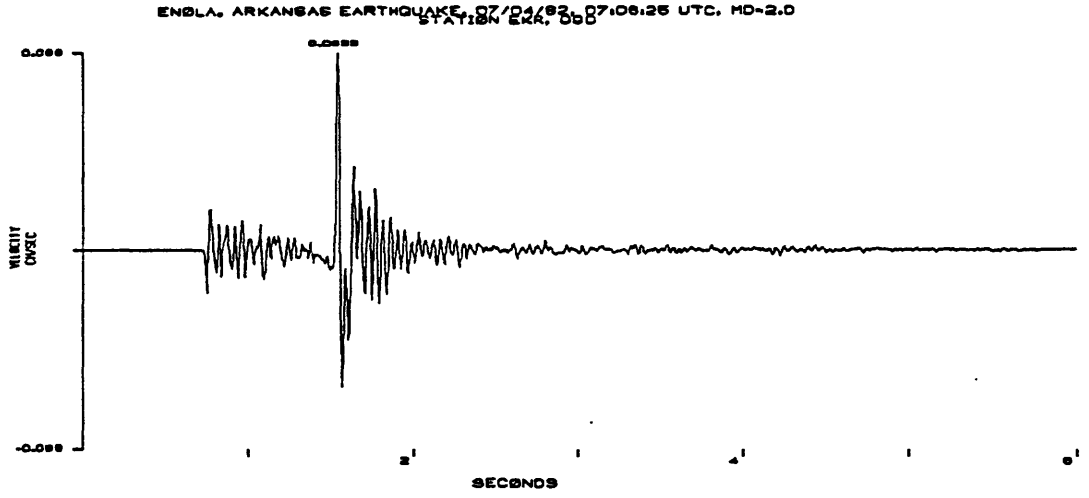

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:09:26 UTC, MD=2.0
STATION EKR, VERT
0.00085
-0.00085
-0.000844
DISPLACEMENT CM
2
4
6
SECONDS

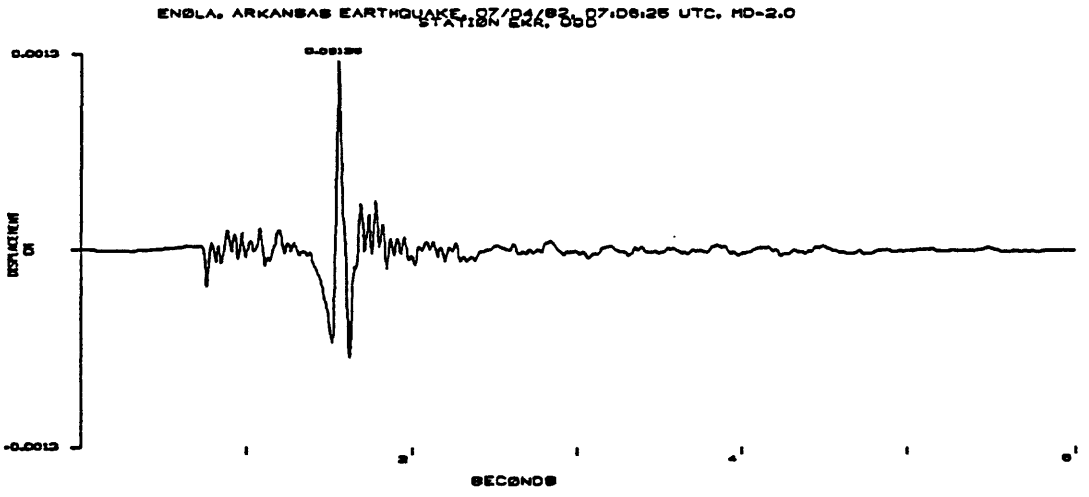

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:08:25 UTC, MD-2.0
STATIØN EKR, IBO
ACCELERATIØN CM/SEC/SEC
SECØNDS

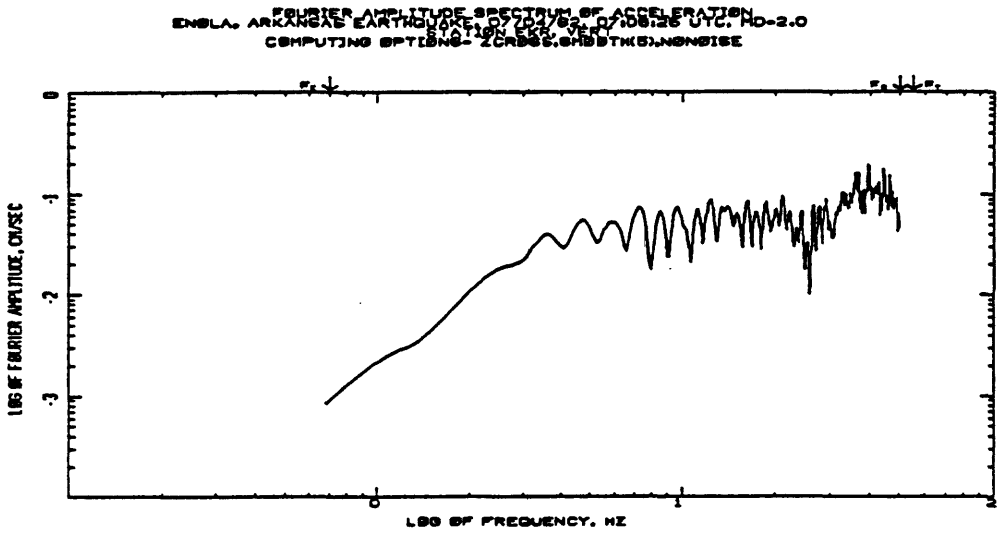

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:08:25 UTC, MD-2.0
STATIØN EKR, IBO
VELOCITY CM/SEC
SECØNDS

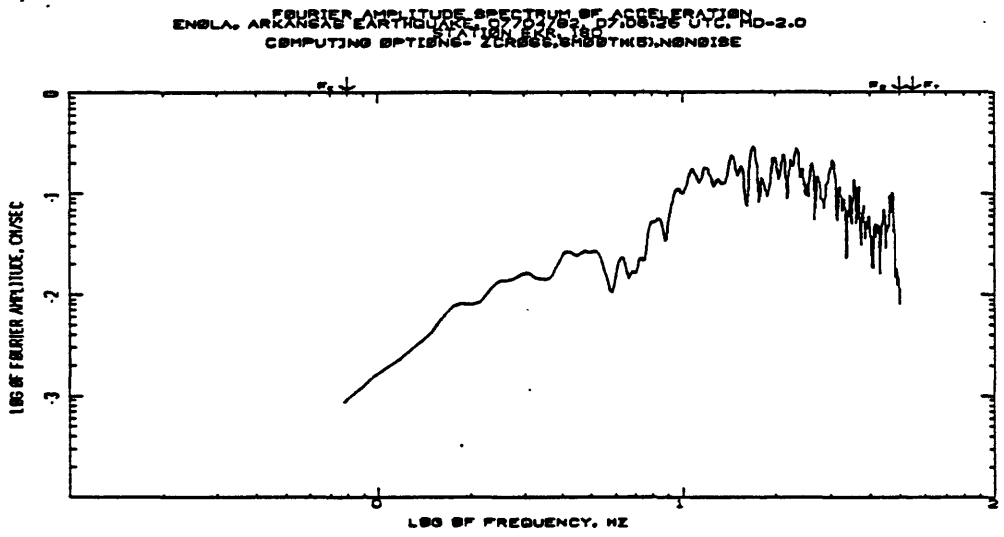

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:08:26 UTC, MD-2.0
STATIØN EKR, IBO
DISPLACEMENT CM
SECØNDS

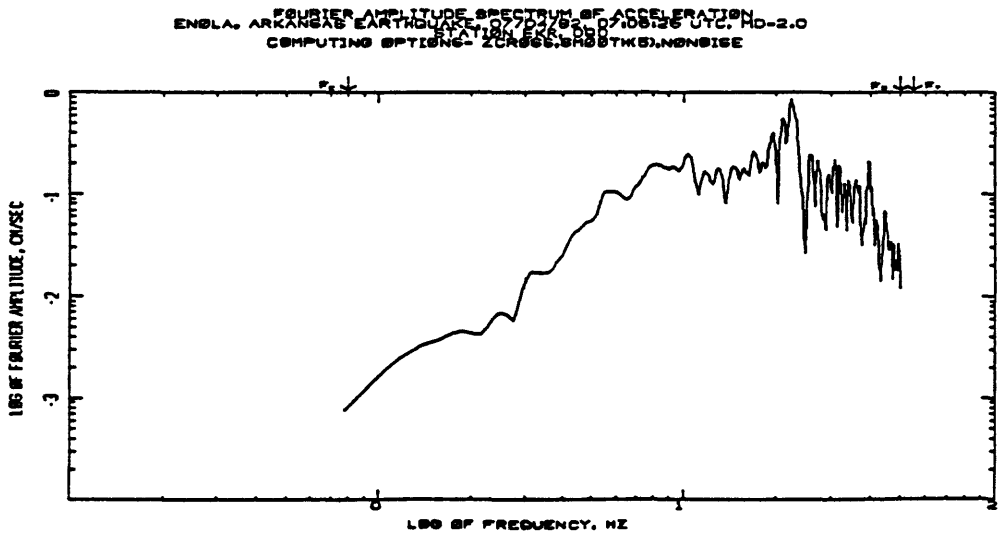

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION EKA, DDD
0.10
-0.10
-0.012
SECØNDS

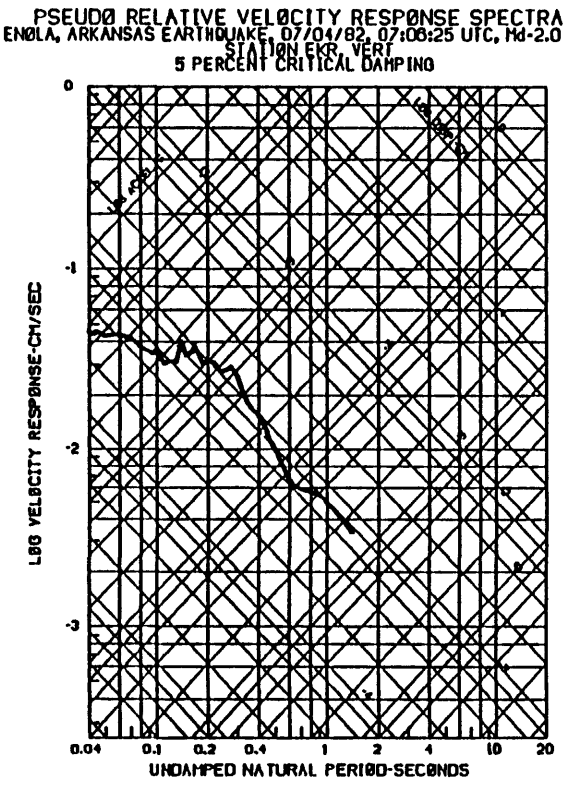

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION EKA, DDD
SECØNDS

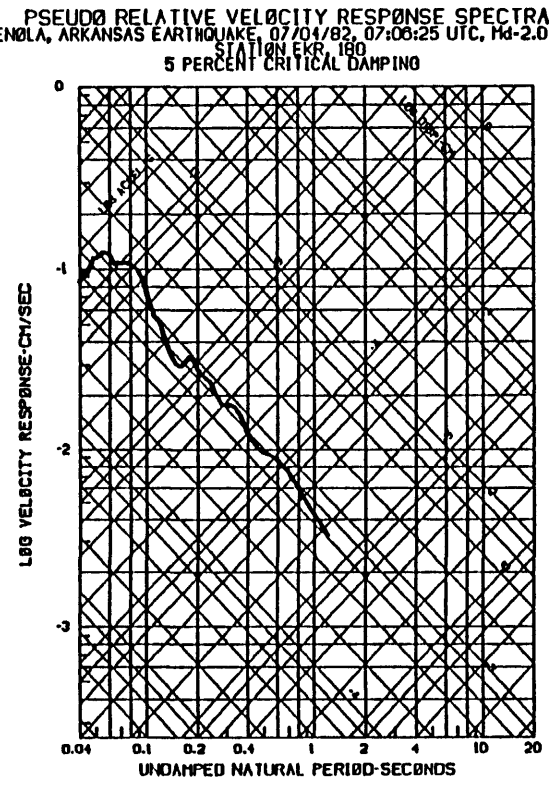

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION EKA, DDD
0.0013
-0.0013
SECØNDS

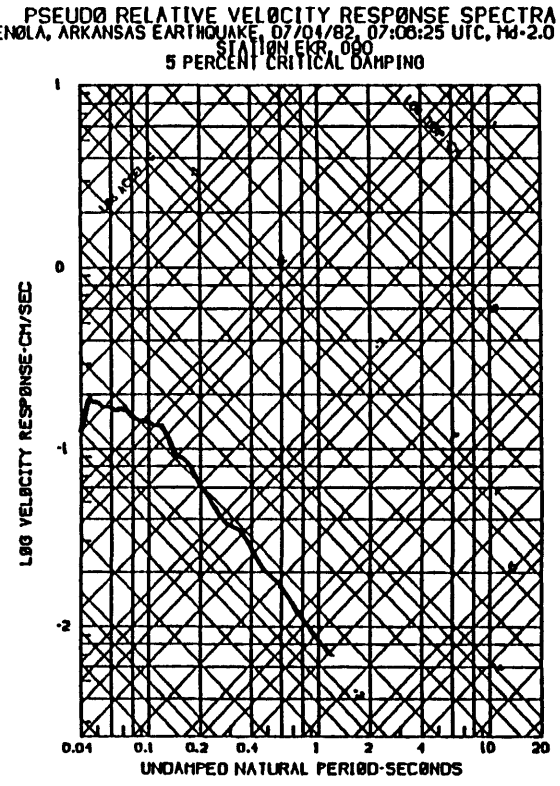

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07?4?82, 07:08:26 UTC, MD=2.0
STATION EKR, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

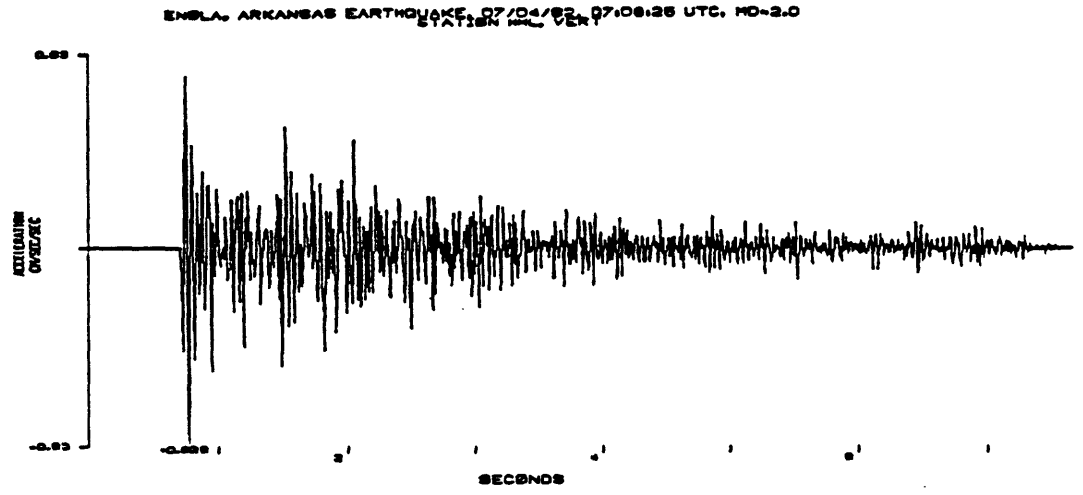

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07?4?82, 07:08:26 UTC, MD=2.0
STATION EKR,180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

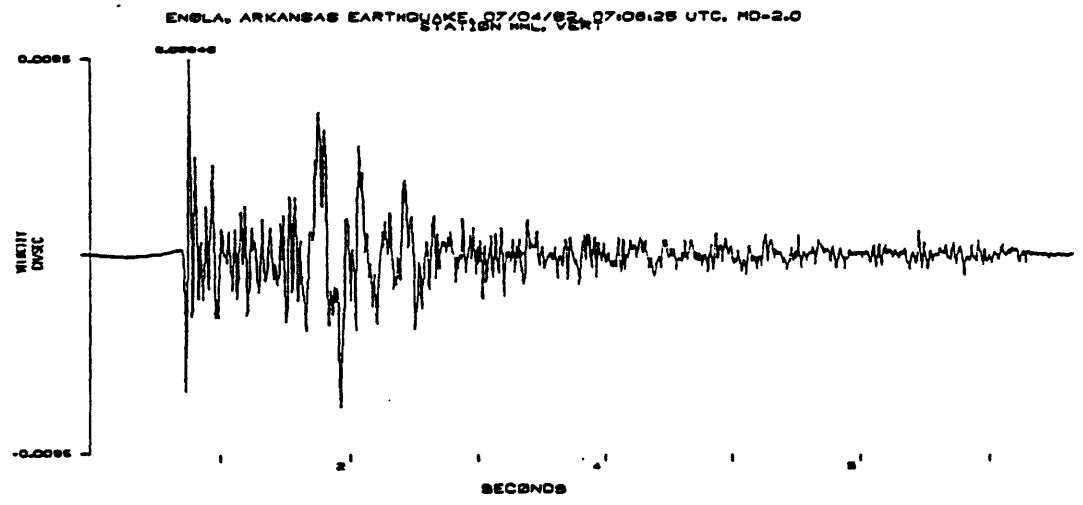

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07?4?82, 07:08:26 UTC, MD=2.0
STATION EKR, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

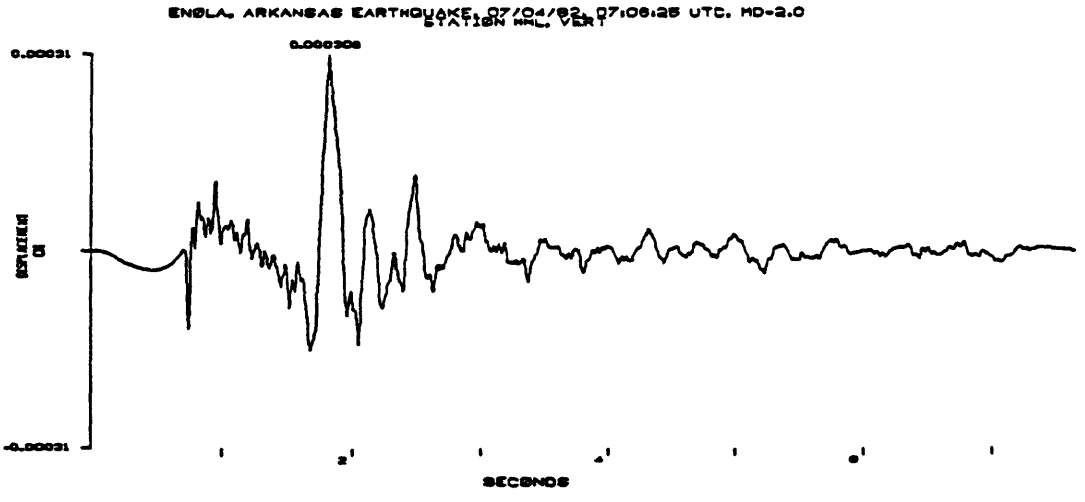

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN EKR, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

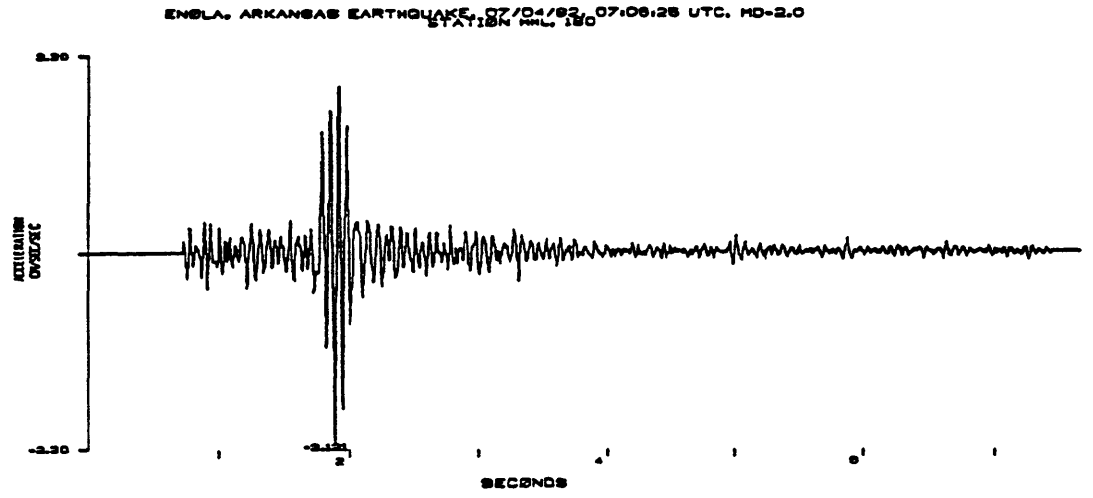

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN EKR, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

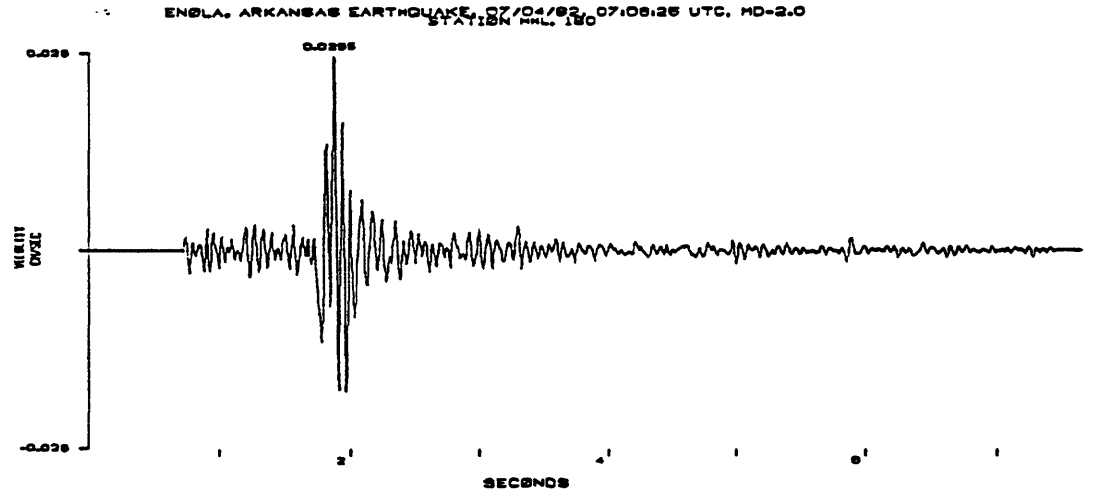

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN EKR, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

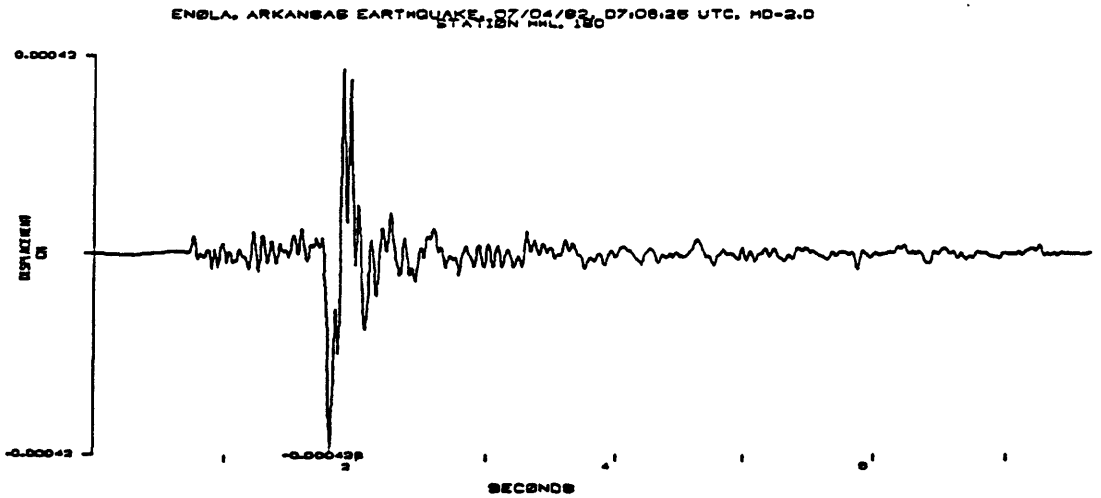

ENGLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION HHL, VERT
SECONDS

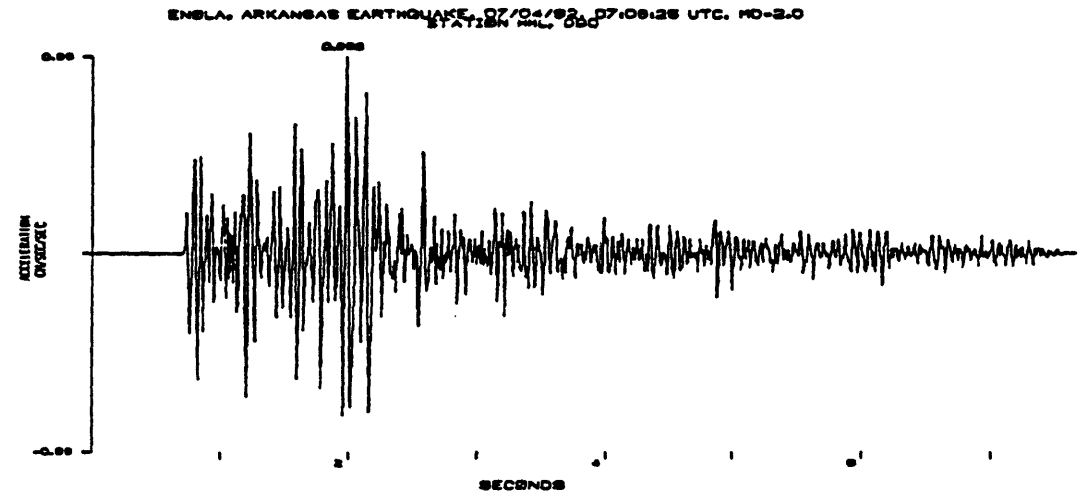

ENGLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION HHL, VERT
SECONDS

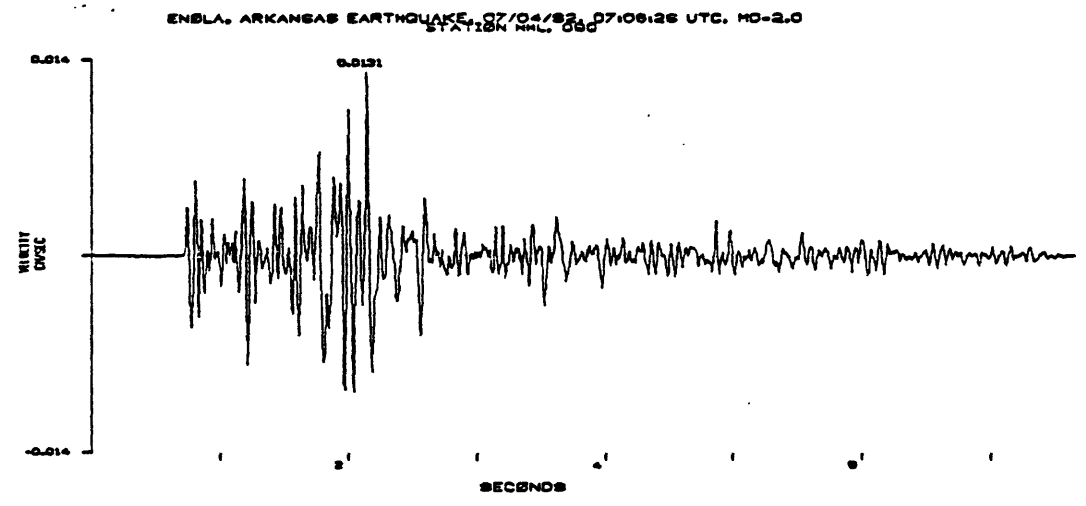

ENGLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION HHL, VERT
SECONDS

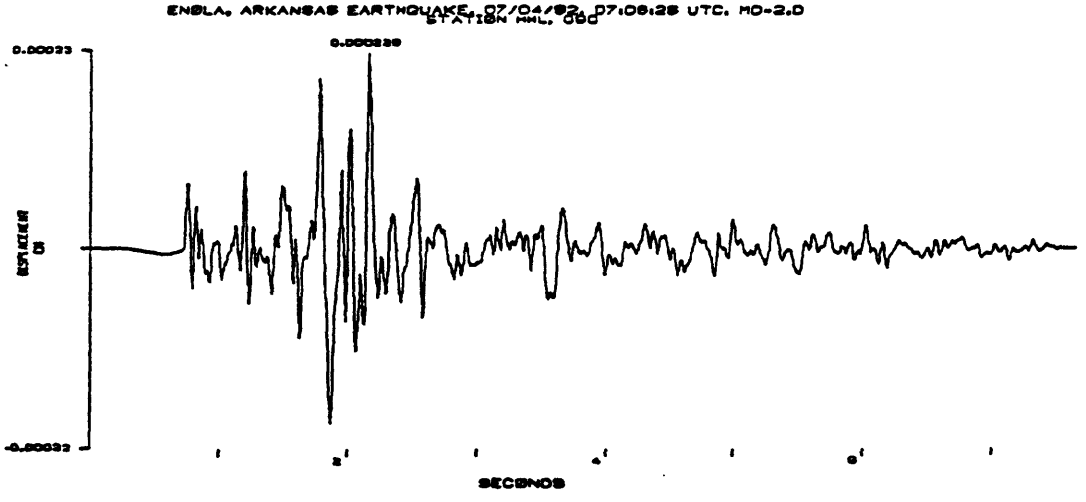

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION HHL, 180
SECONDS

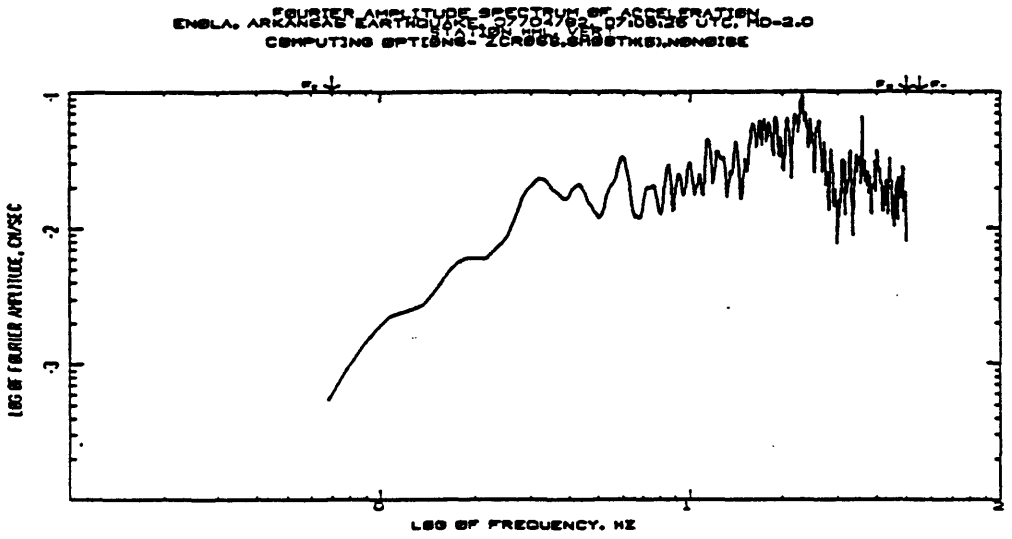

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION HHL, 180
SECONDS

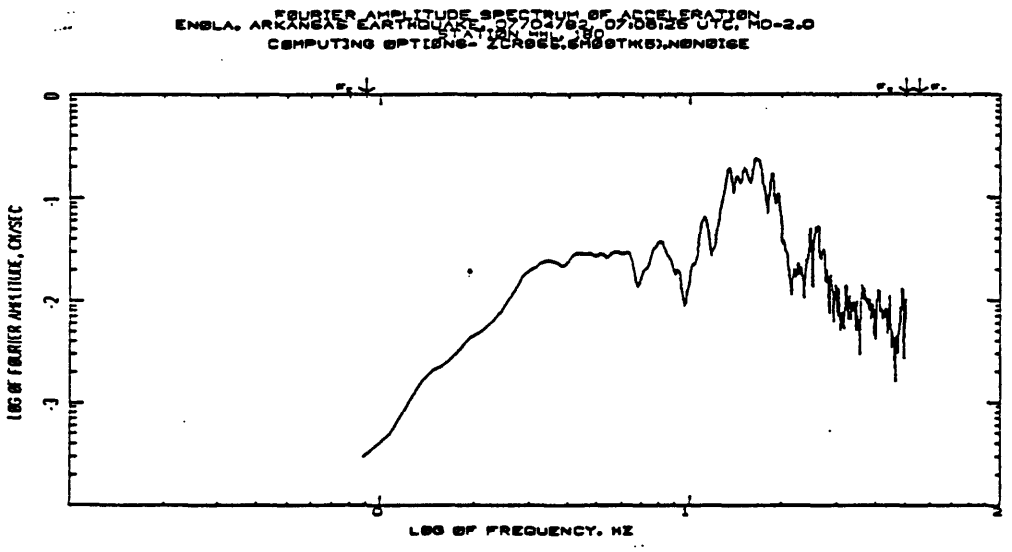

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:26 UTC, MD=2.0
STATION HHL, 180
SECONDS

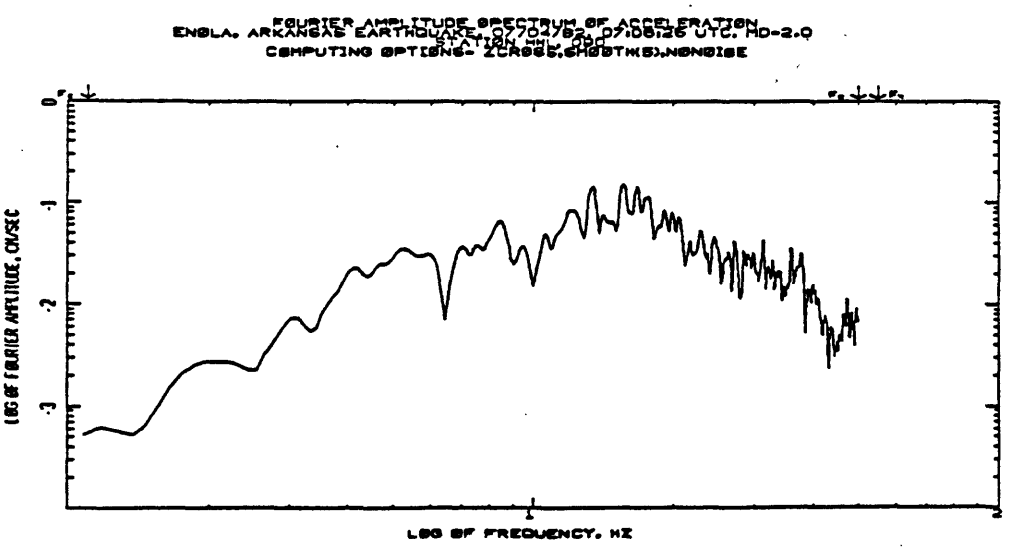

ENOLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:06:25 UTC, MD-2.0
STATION HHL, 000
0.098
0.00
-0.00
ACCELERATION
CM/SEC/SEC
2
4
6
SECONDS

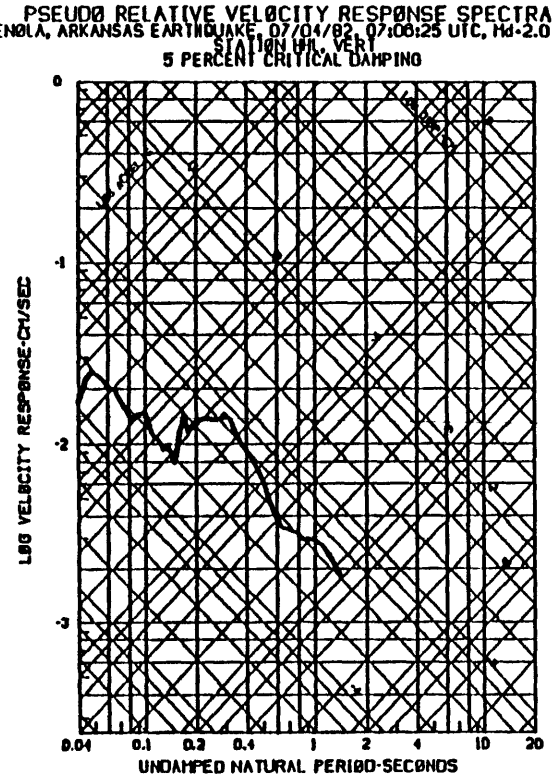

ENOLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:06:25 UTC, MD-2.0
STATION HHL, 000
0.014
0.0131
-0.014
VELOCITY
CM/SEC
2
4
6
SECONDS

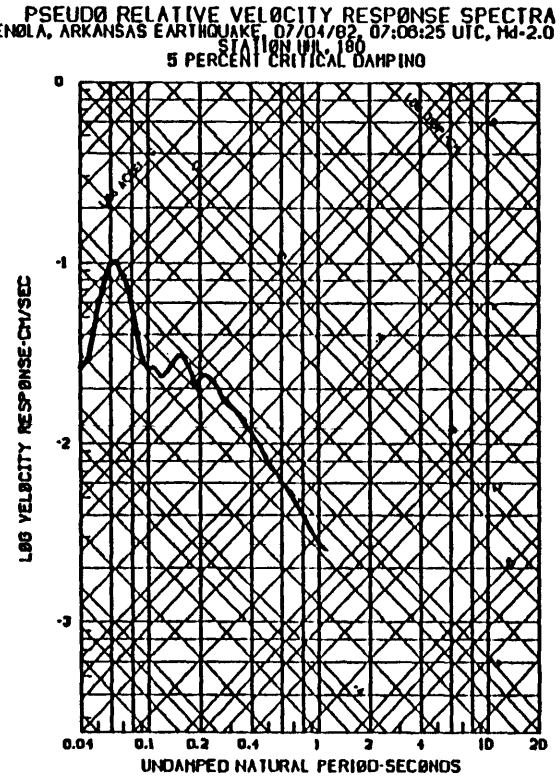

ENOLA, ARKANSAS EARTHQUAKE, 07/04/92, 07:06:25 UTC, MD-2.0
STATION HHL, 000
0.00023
0.000239
-0.00032
DISPLACEMENT
CM
2
4
6
SECONDS

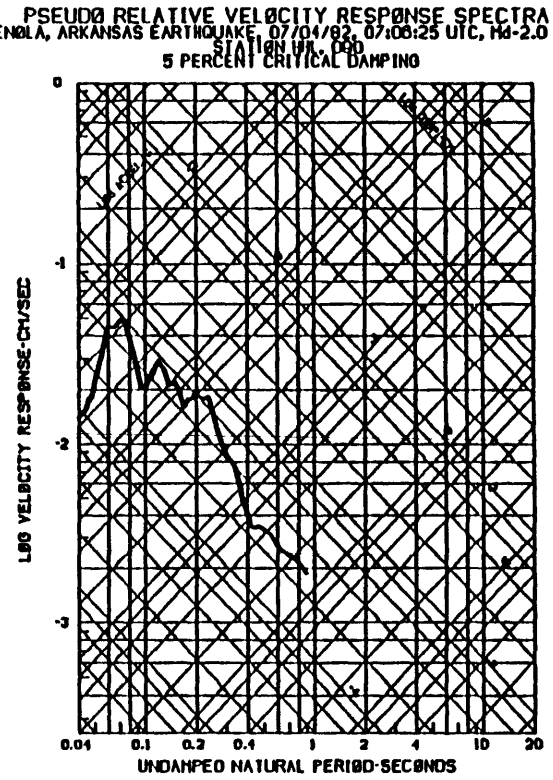

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07704/82, 07:08:26 UTC, MD=2.0
STATION HHN, VER
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

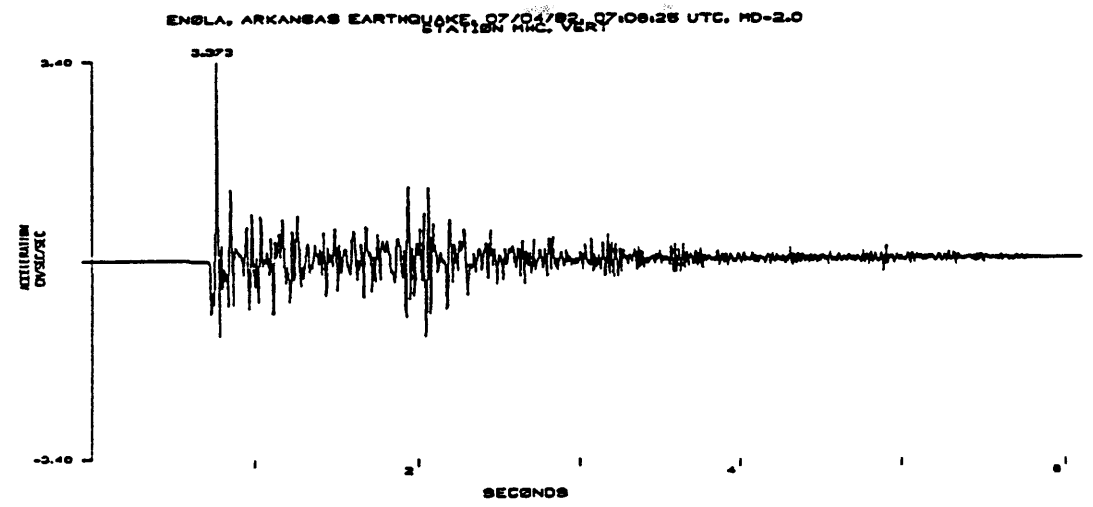

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07704/82, 07:08:26 UTC, MD=2.0
STATION HHN, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

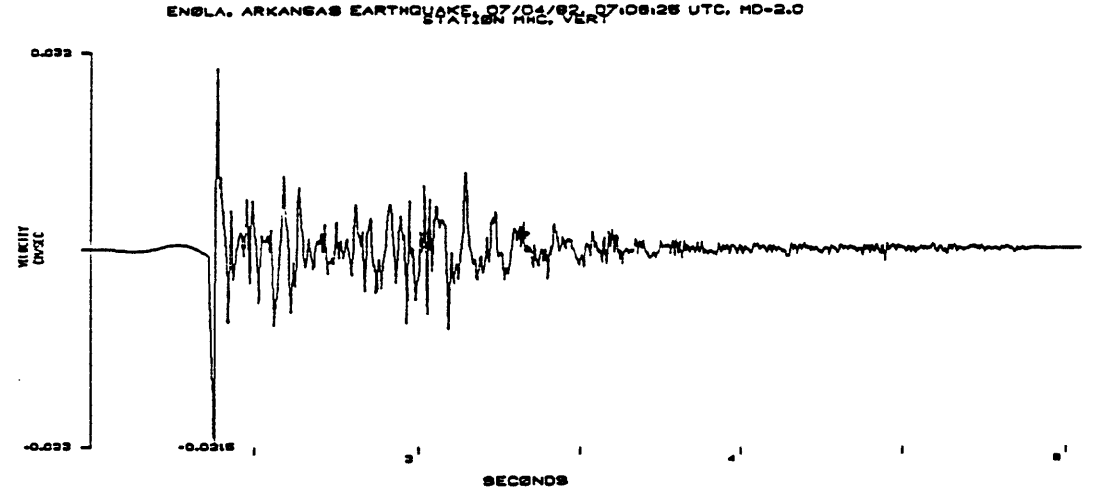

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07704/82, 07:08:26 UTC, MD=2.0
STATION HHN, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

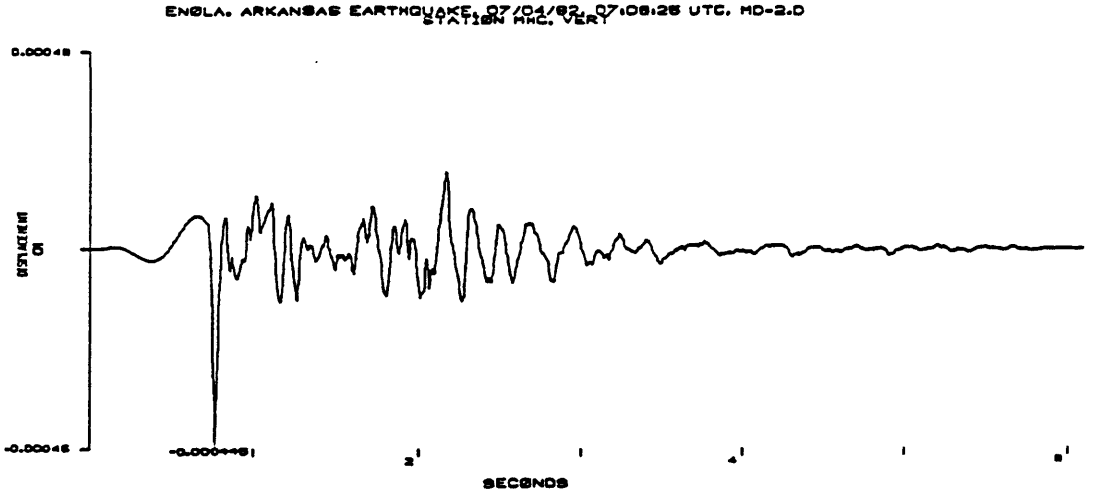

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, Md-2.0
STATIØN UIL, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

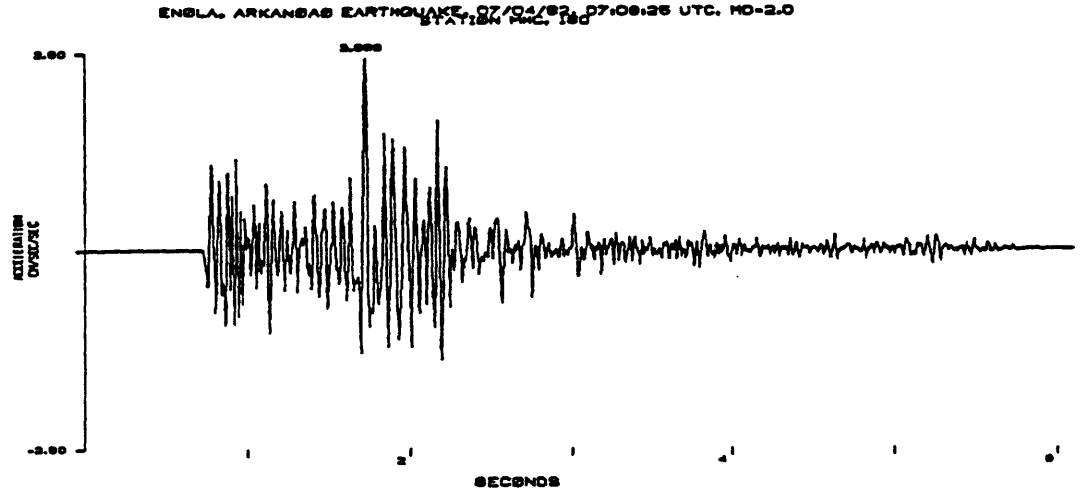

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, Md-2.0
STATIØN UIL, 160
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

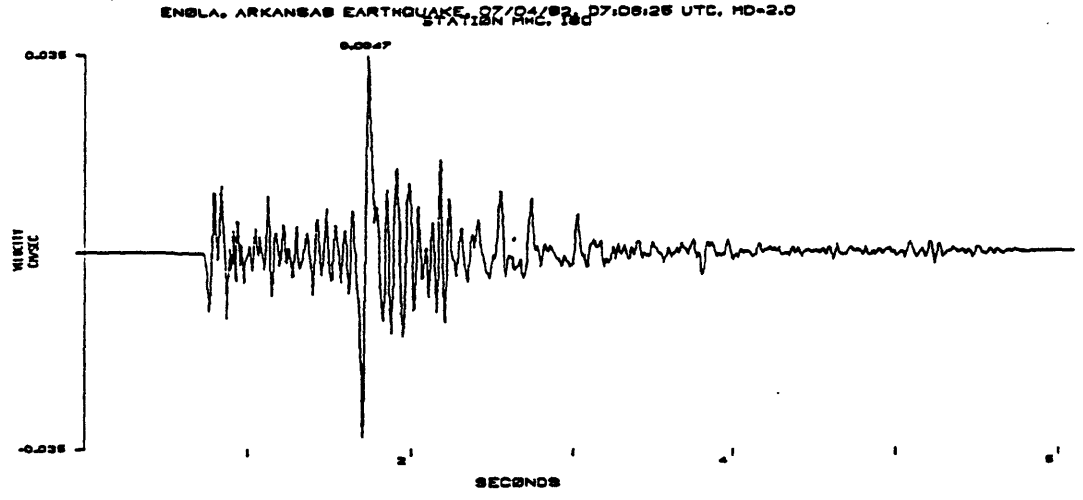

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, Md-2.0
STATIØN UIL, 070
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

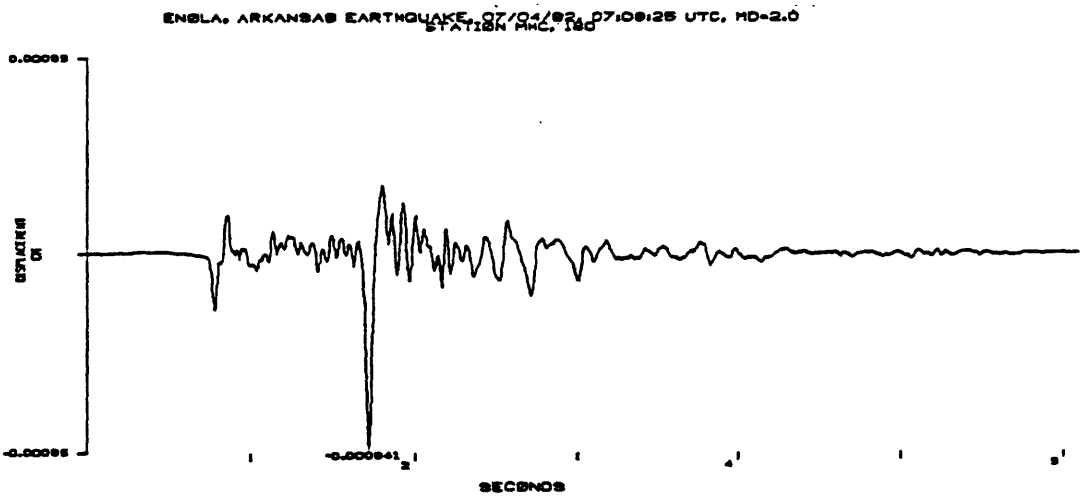

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION MHC, VERT
3.373
3.40
-3.40
ACCELERATION CM/SEC/SEC
2
4
6
SECONDS

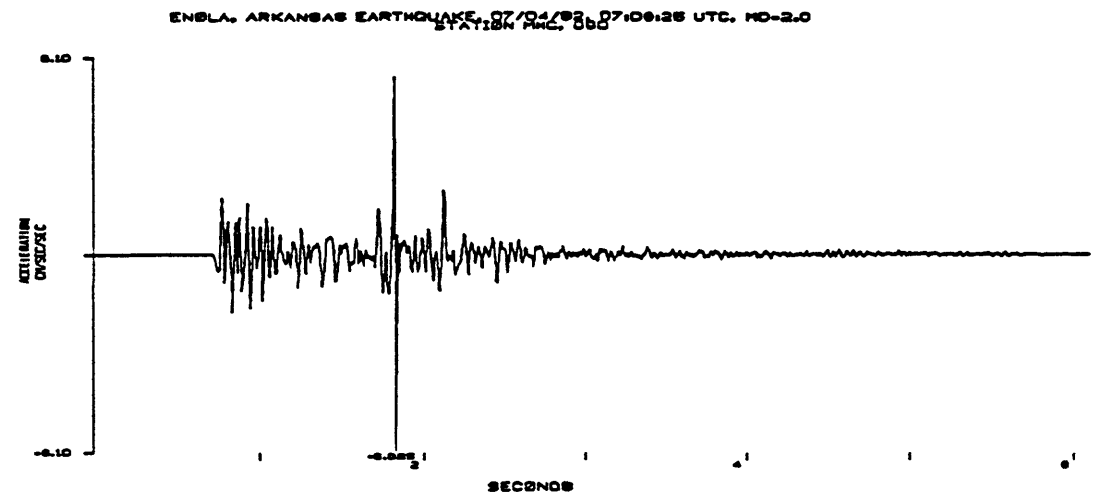

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION MHC, VERT
0.032
-0.033
-0.0215
VELOCITY CM/SEC
2
4
6
SECONDS

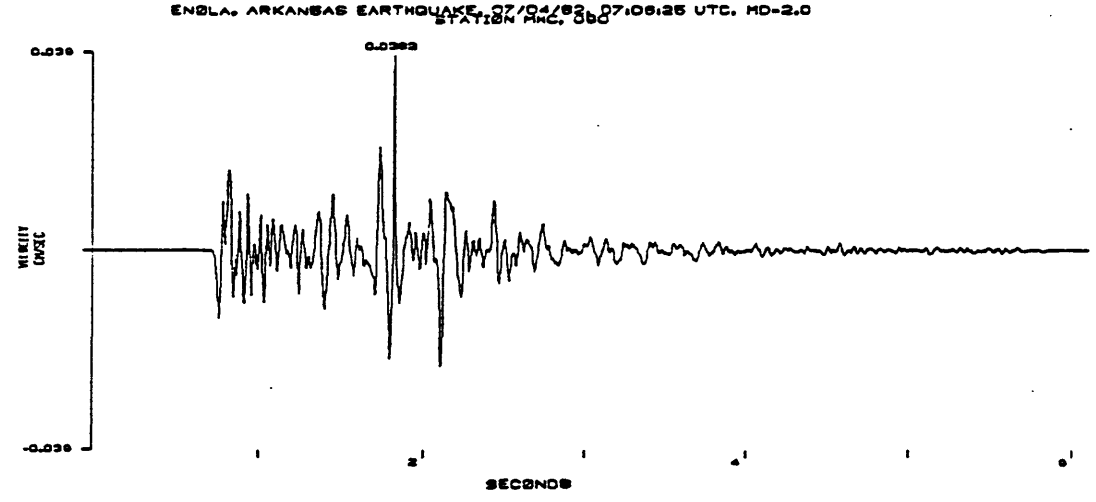

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION MHC, VERT
0.00048
-0.00046
DISPLACEMENT CM
2
4
6
SECONDS

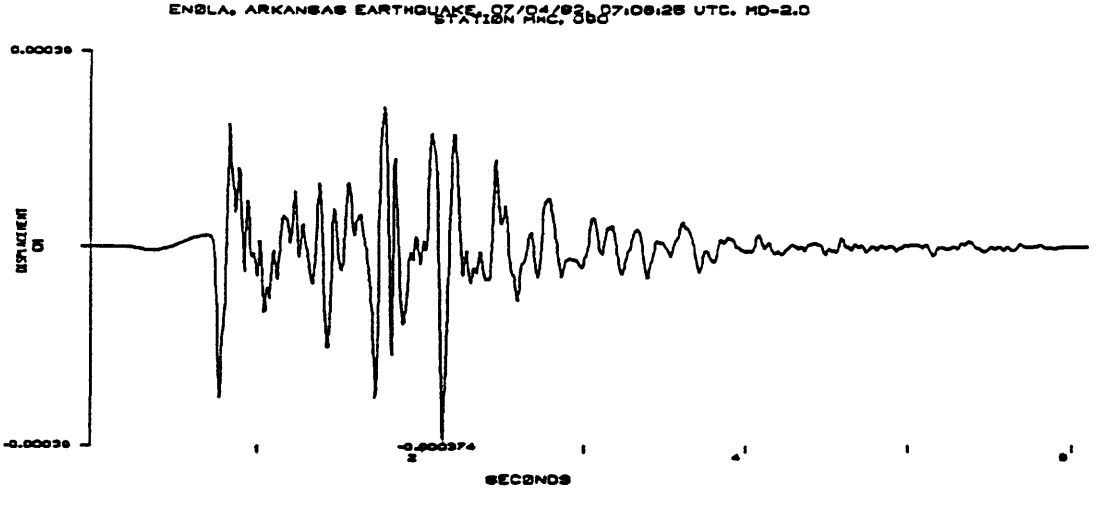

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION MMC, ISC
2.00
-2.00
SECONDS

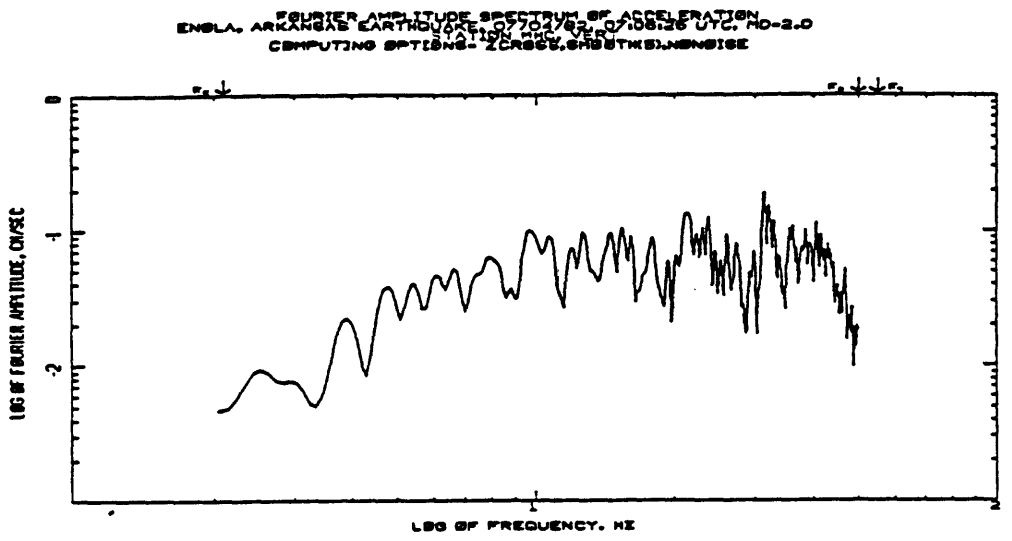

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION MMC, ISC
0.035
-0.035
SECONDS

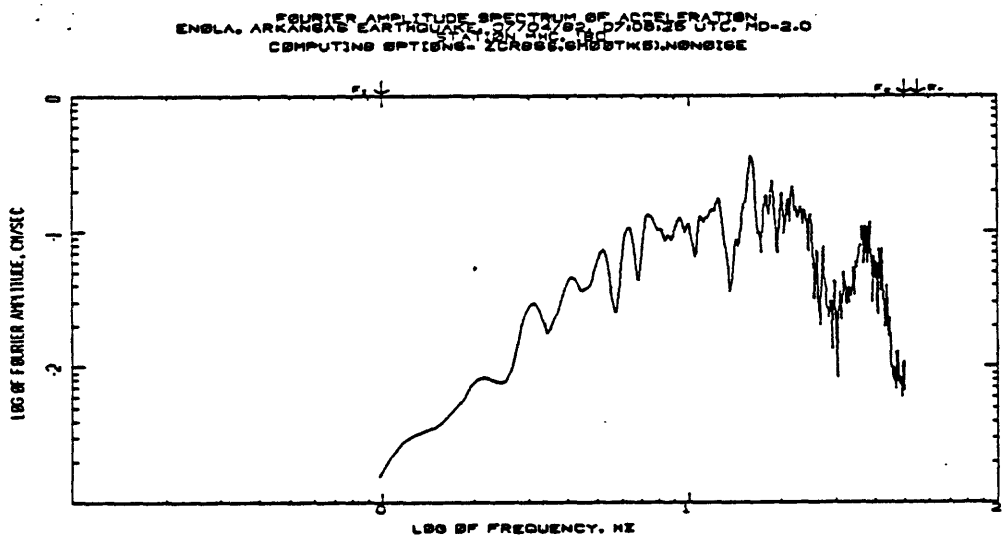

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION MMC, ISC
SECONDS

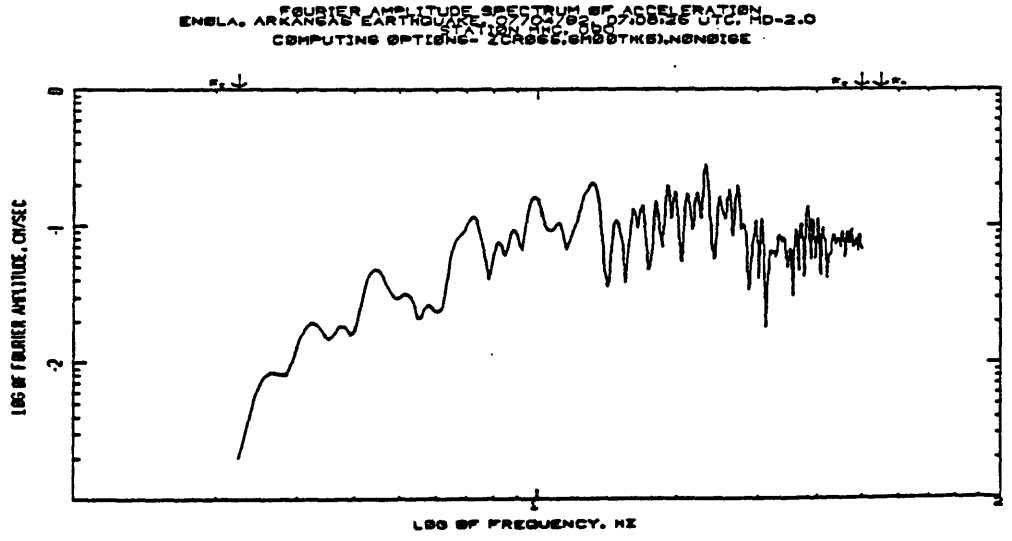

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN MHC, 0b0
0.10
-0.10
ACCELERATION CM/SEC/SEC
SECØNDS

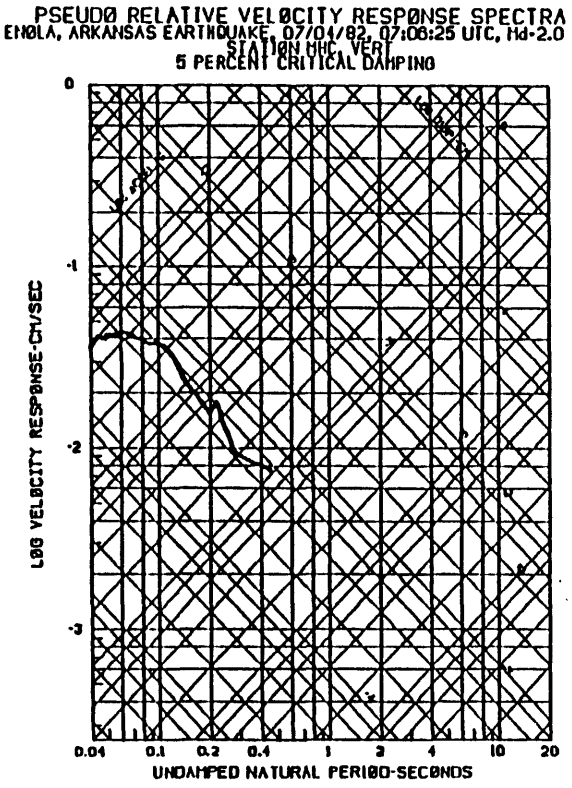

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN MHC, 0b0
0.039
-0.039
VELOCITY CM/SEC
SECØNDS

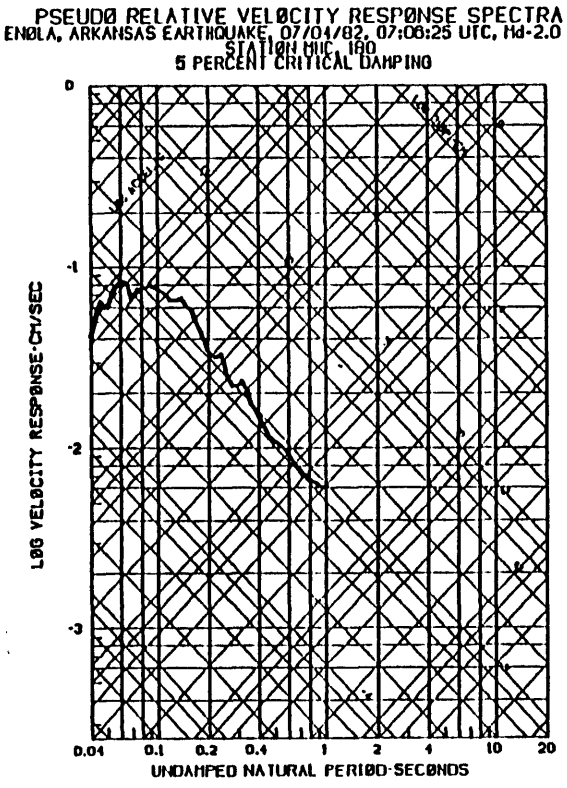

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN MHC, 0b0
0.00039
-0.00039
DISPLACEMENT CM
SECØNDS

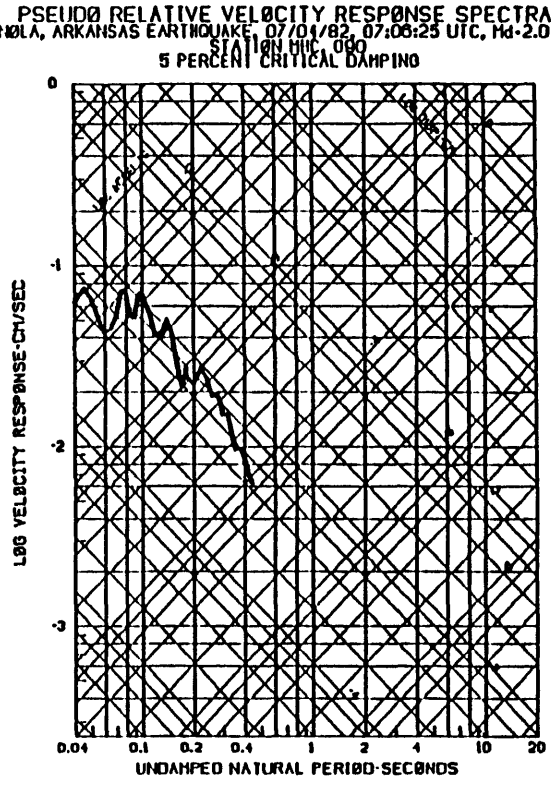

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION MHC, VER
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION MHC, TBD
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

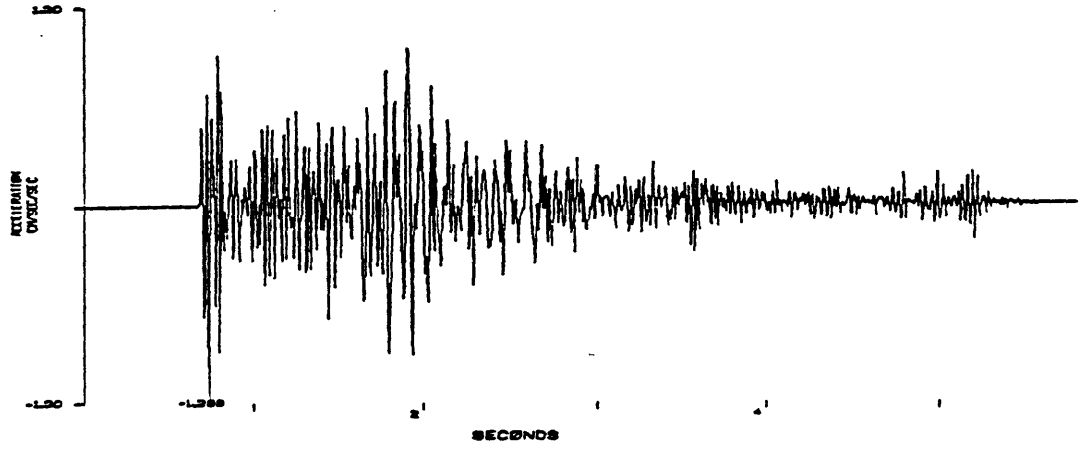

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION MHC, DBO
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN MHC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

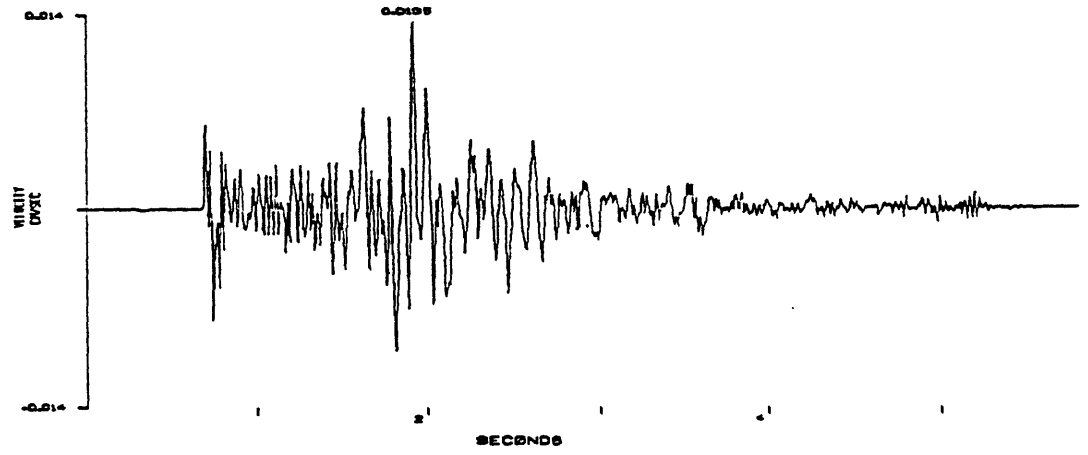

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN MHC, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS


PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, Md-2.0
STATIØN MHC, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

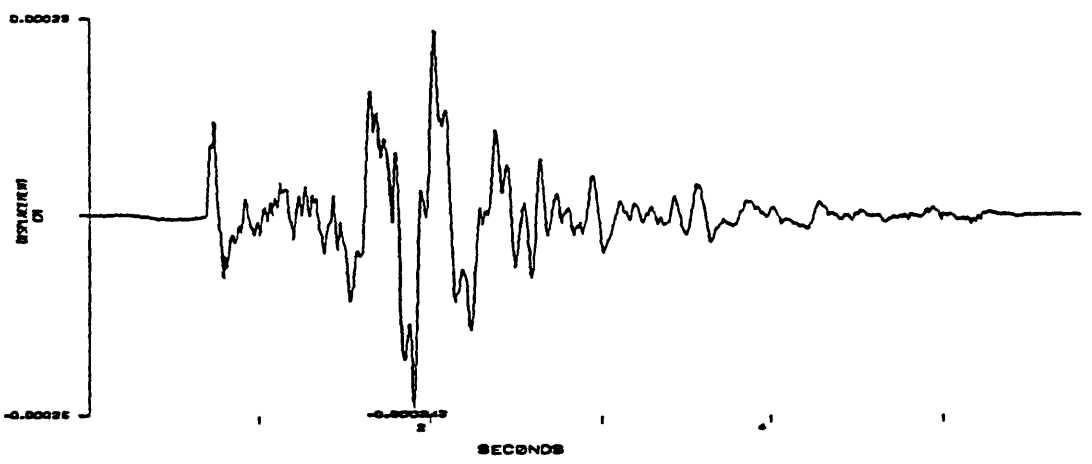
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION WHN, VERT



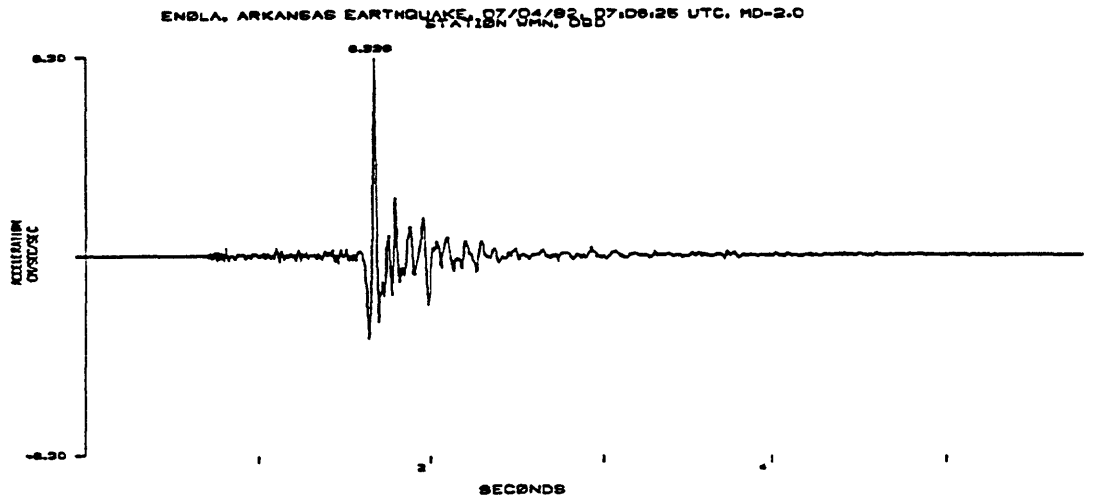
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION WHN, VERT



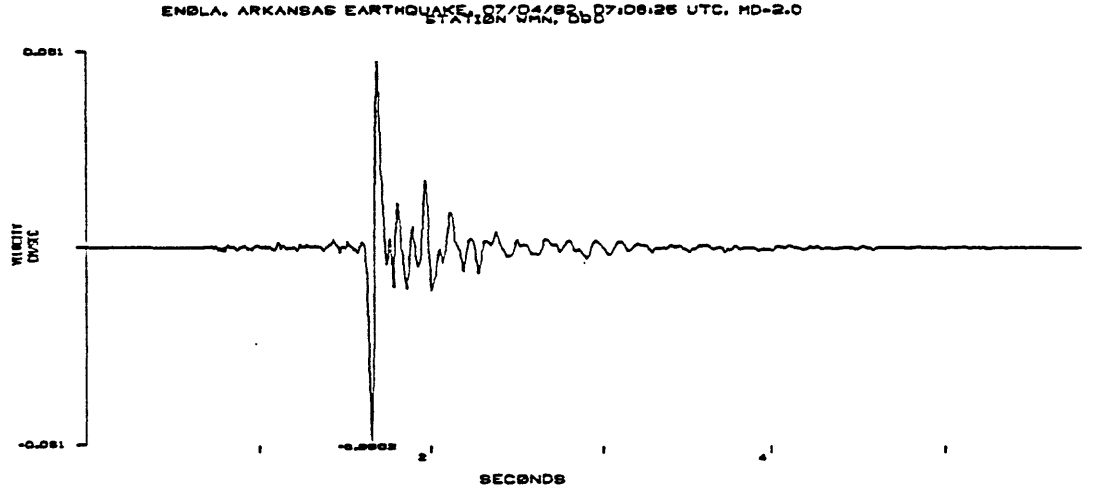
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:25 UTC, MD=2.0
STATION WHN, VERT



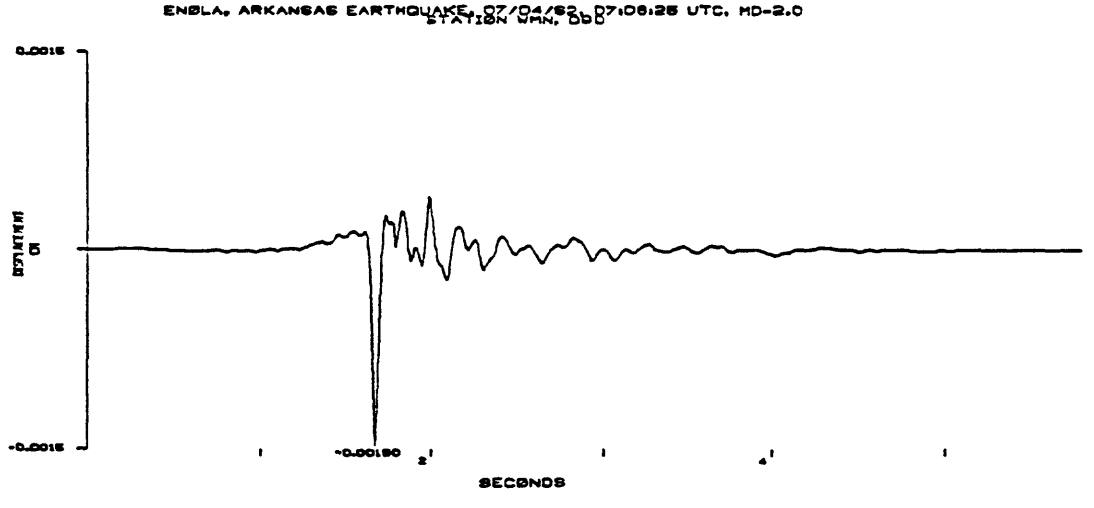
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN WMN, DDD

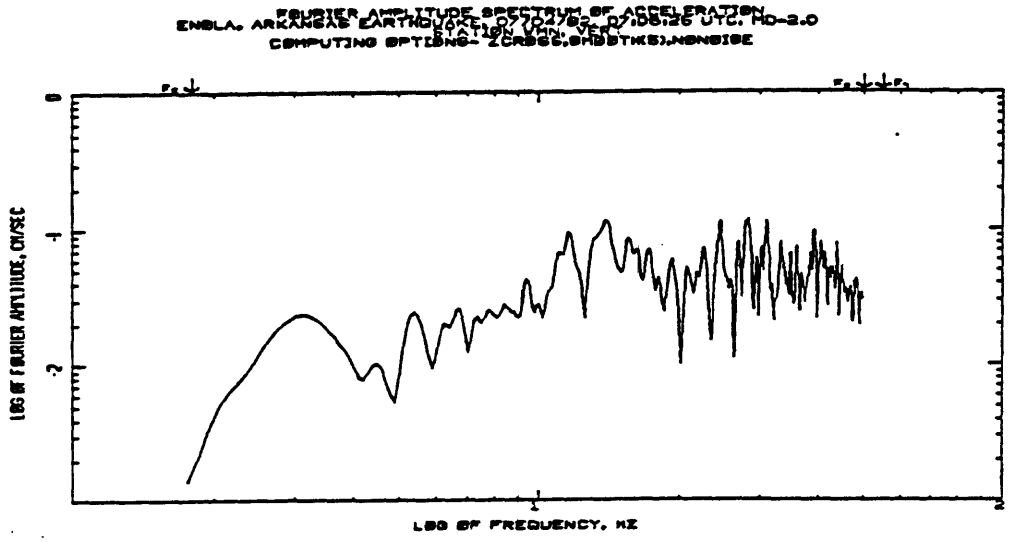


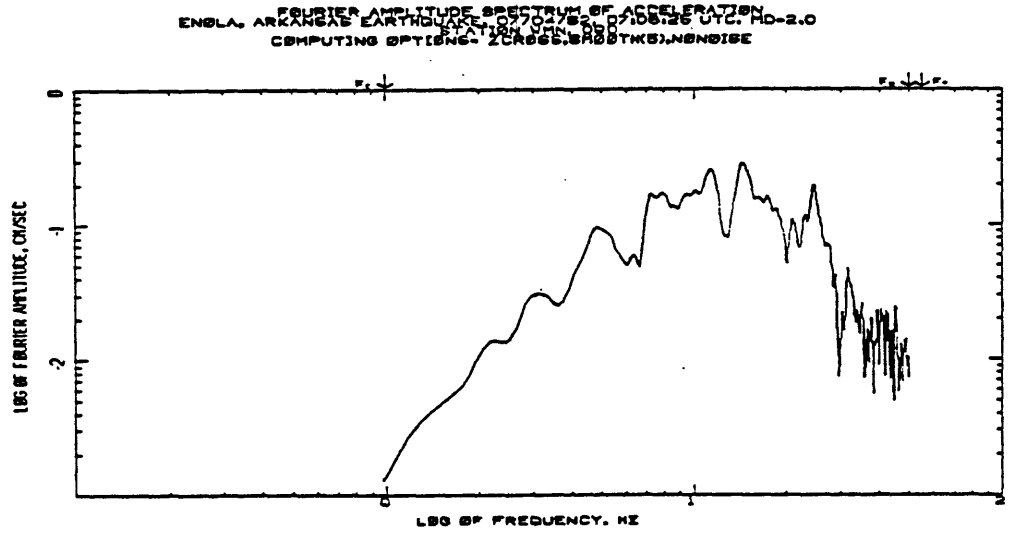
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN WMN, DDD

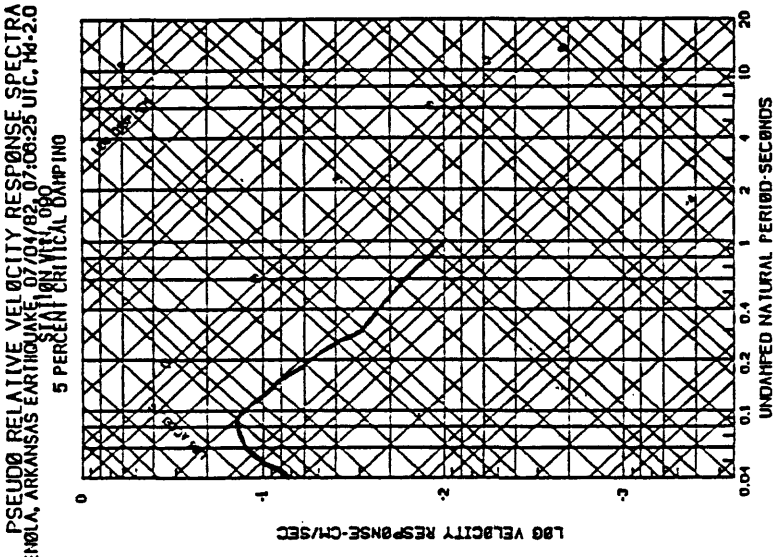


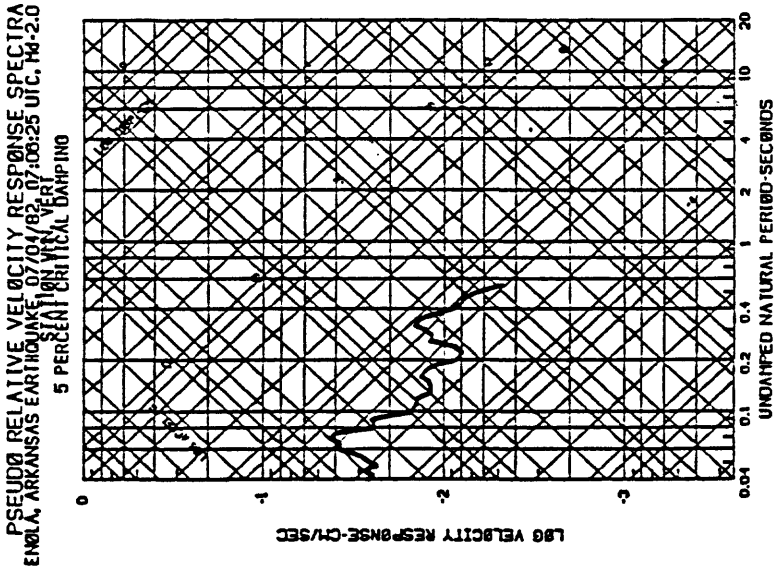
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:06:25 UTC, MD-2.0
STATIØN WMN, DDD

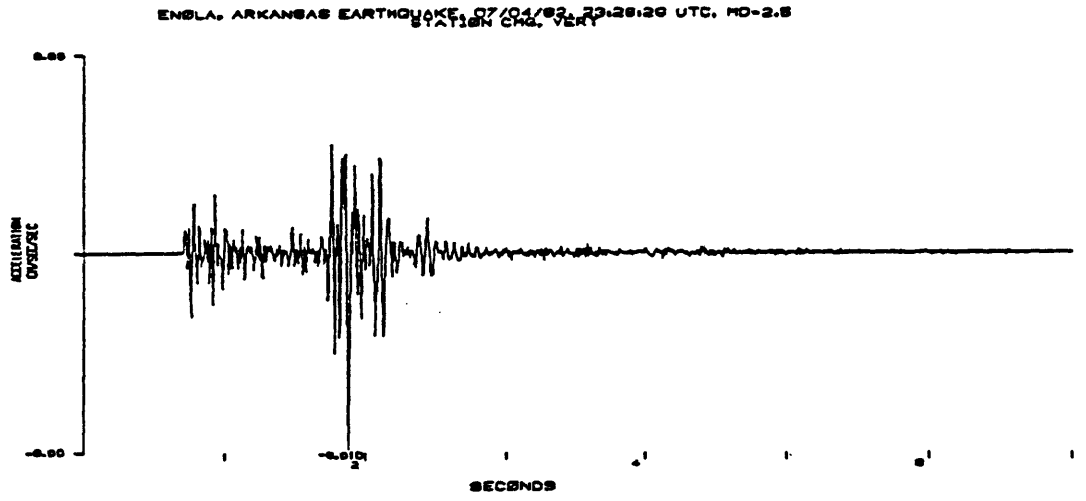


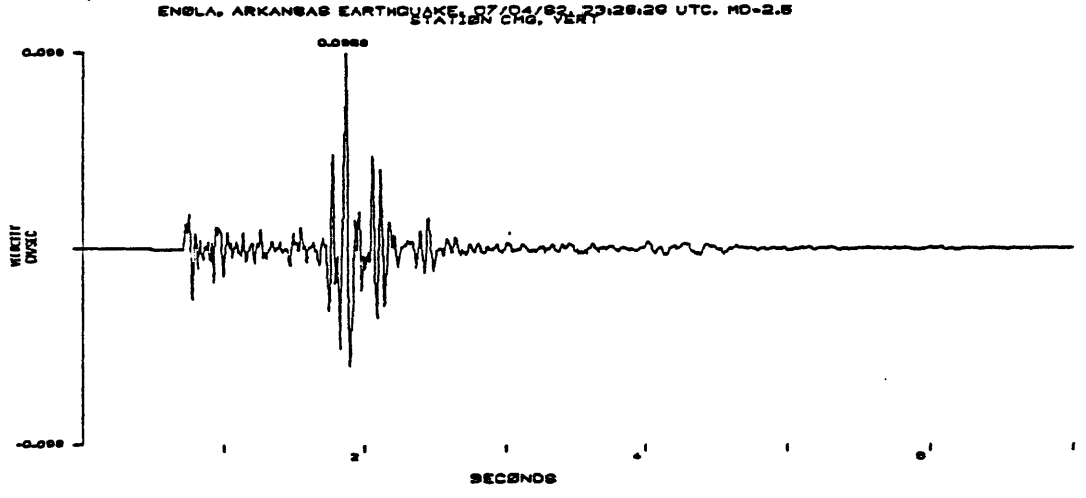

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION VMN, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

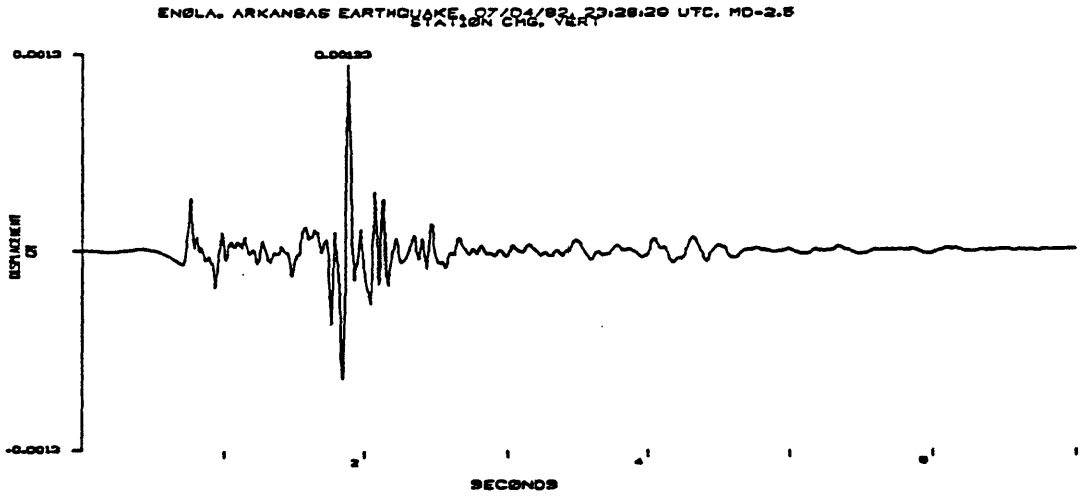

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 07:08:26 UTC, MD=2.0
STATION VMN, EW
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

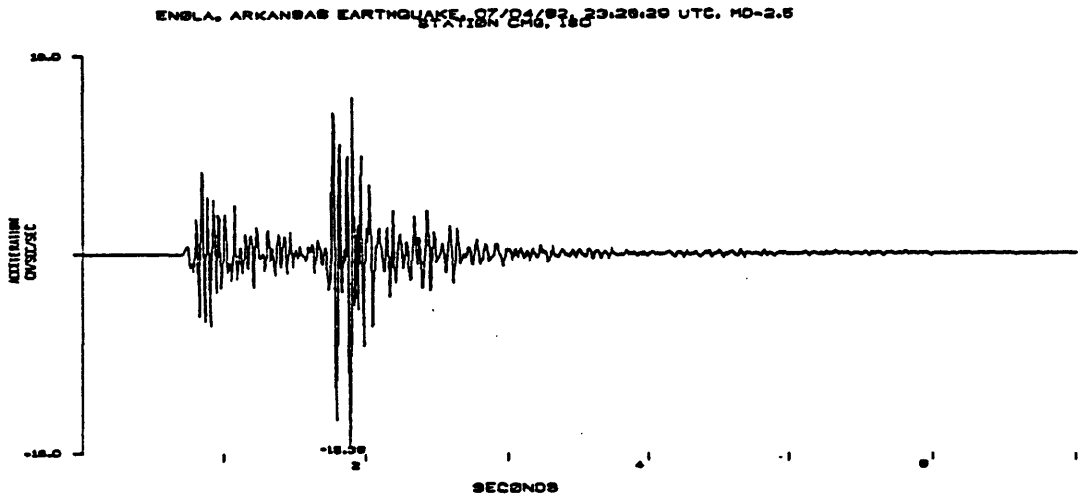

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE 07/04/82 07:06:25 UIC, M4-2.0
STATION VT1 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

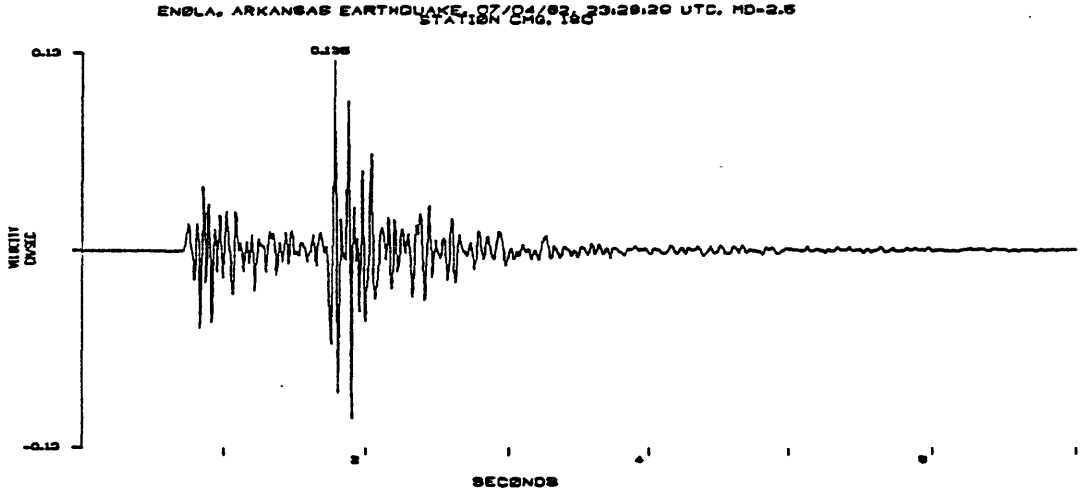

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE 07/04/82 07:06:25 UIC, M4-2.0
STATION VT1 VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

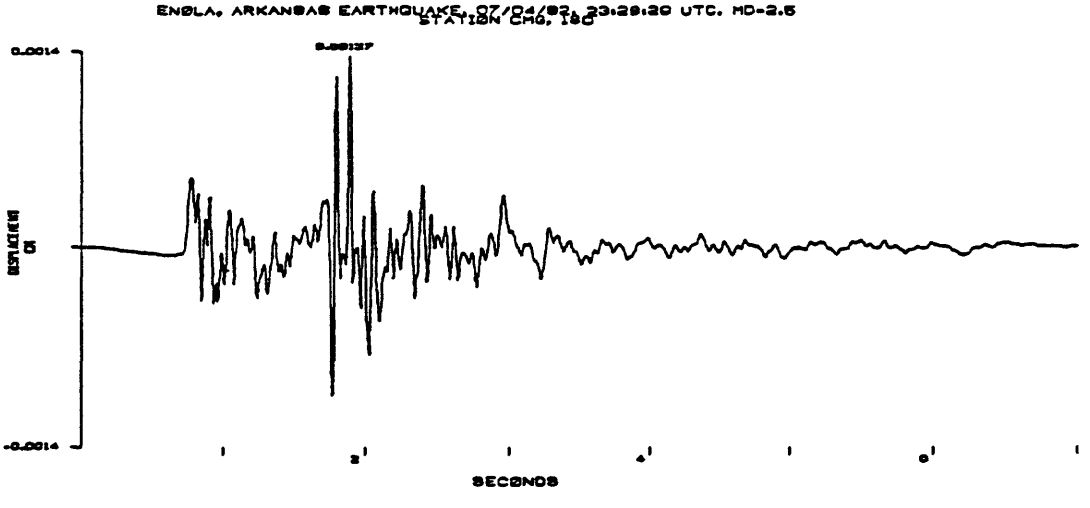

ENGLA, ARKANSAS EARTHQUAKE, 07/04/83, 23:28:20 UTC, MD-2.5
STATION CHG, VERT
SECONDS

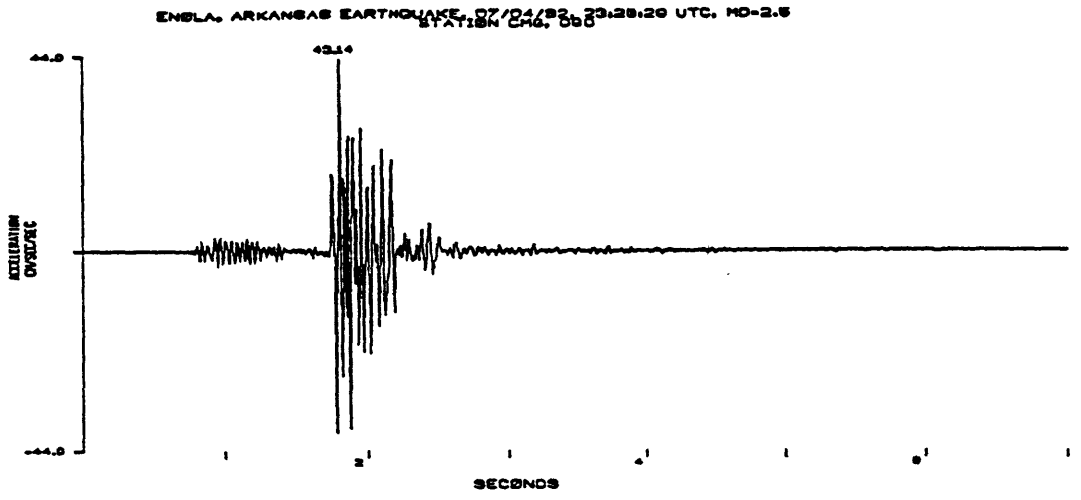

ENGLA, ARKANSAS EARTHQUAKE, 07/04/83, 23:28:20 UTC, MD-2.5
STATION CHG, VERT
SECONDS

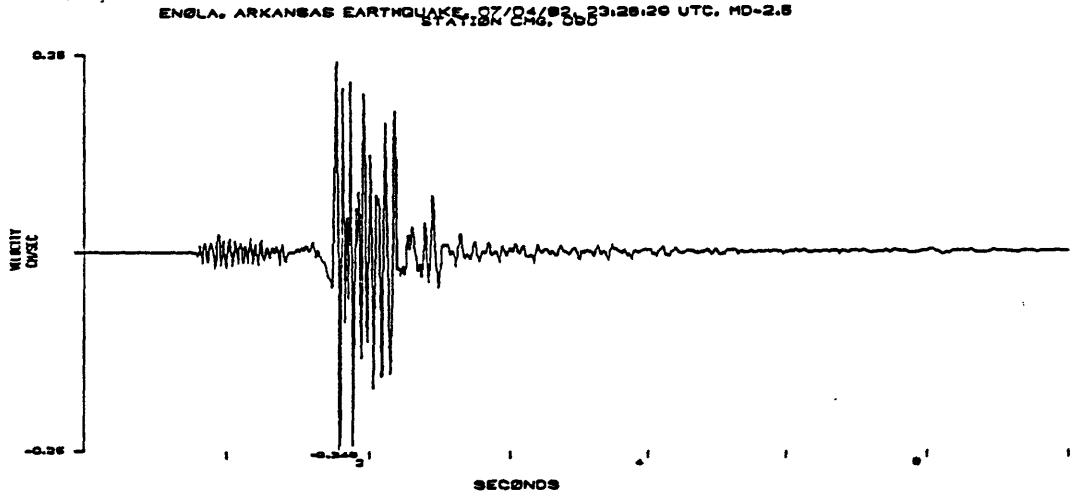

ENGLA, ARKANSAS EARTHQUAKE, 07/04/83, 23:28:20 UTC, MD-2.5
STATION CHG, VERT
SECONDS

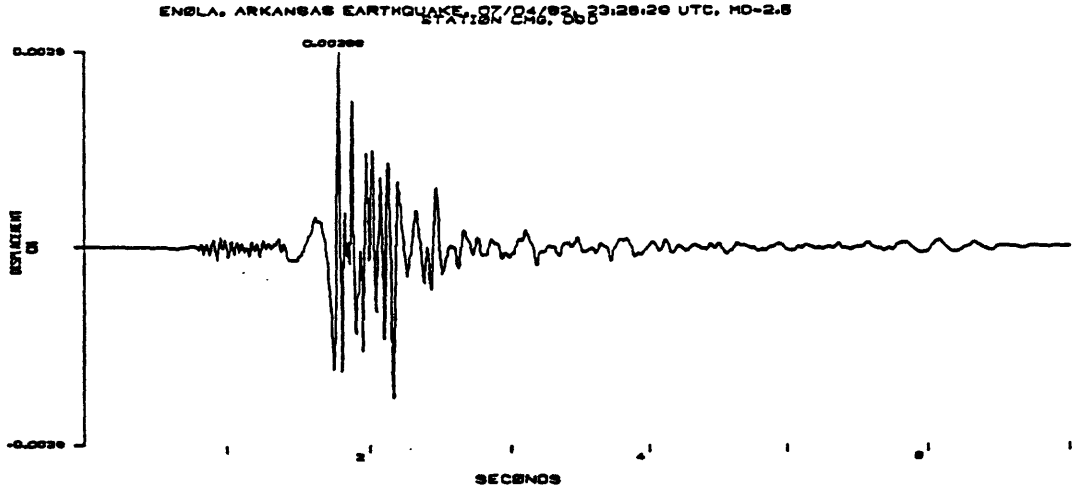

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CHG, 18C
18.0
-18.0
-18.39
2
4
6
SECONDS

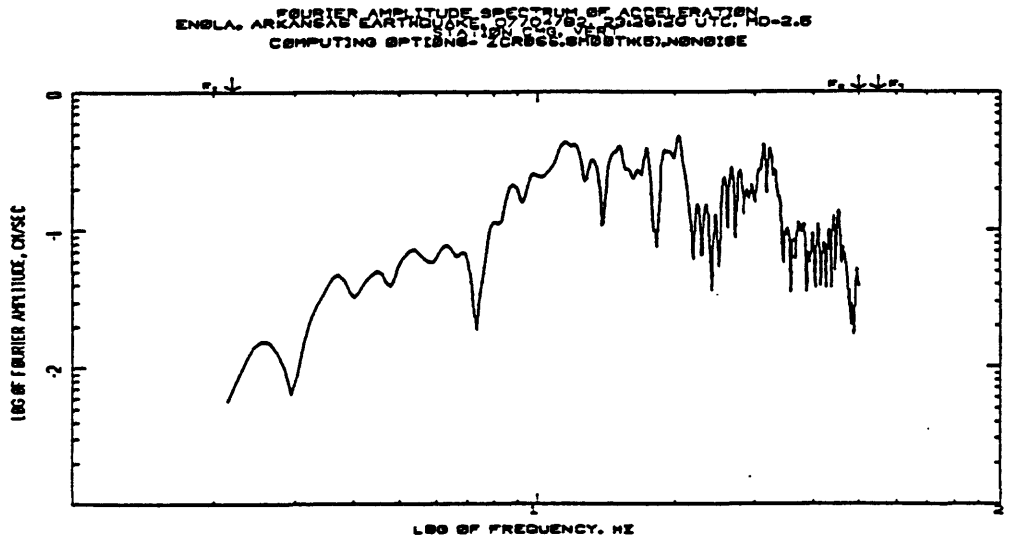

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CHG, 18C
0.13
0.136
-0.13
2
4
6
SECONDS

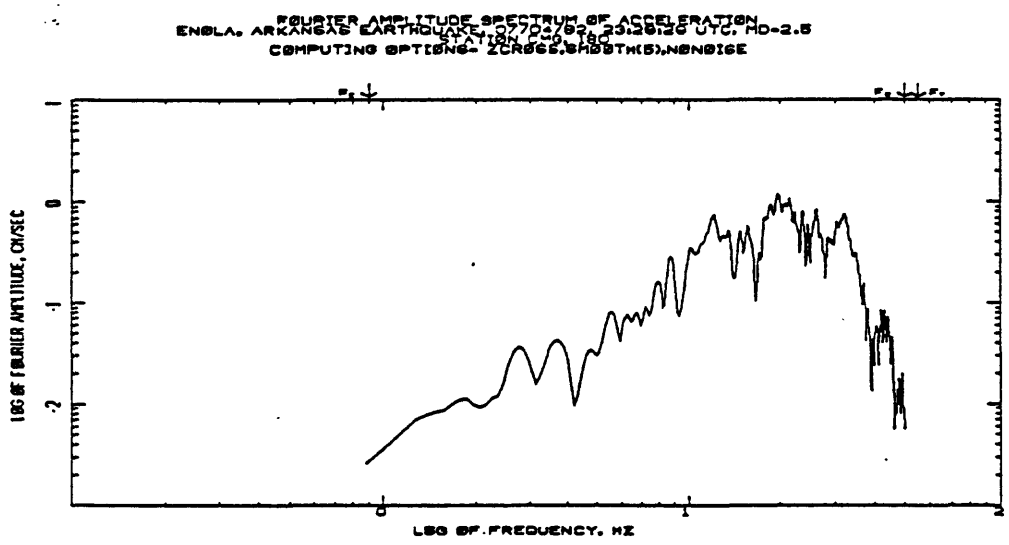

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CHG, 18C
0.0014
-0.0014
2
4
6
SECONDS

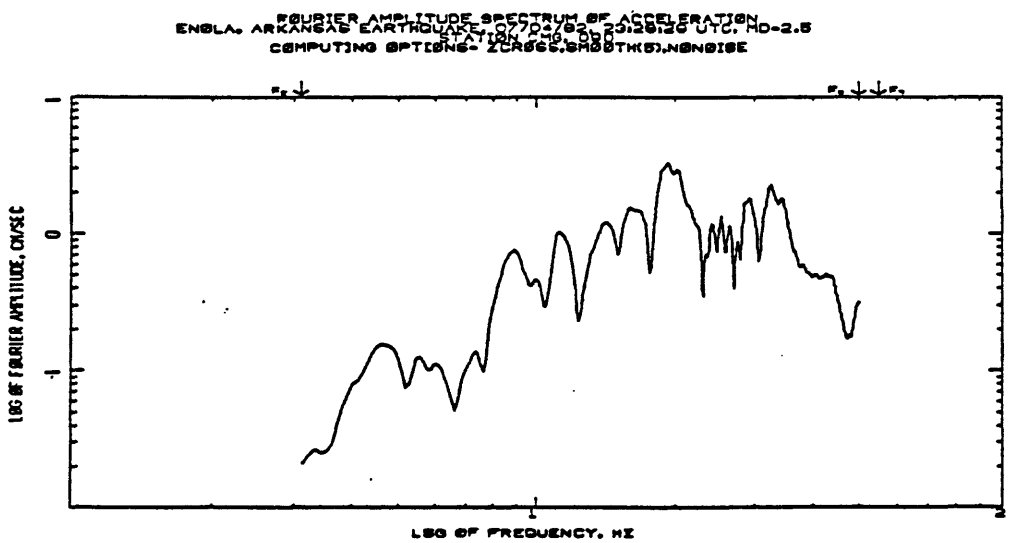

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:28:20 UTC, MD=2.5
STATIØN CMG, DBD
43.14
44.0
-44.0
ACCELERATION CM/SEC/SEC
2
4
8
SECØNDS

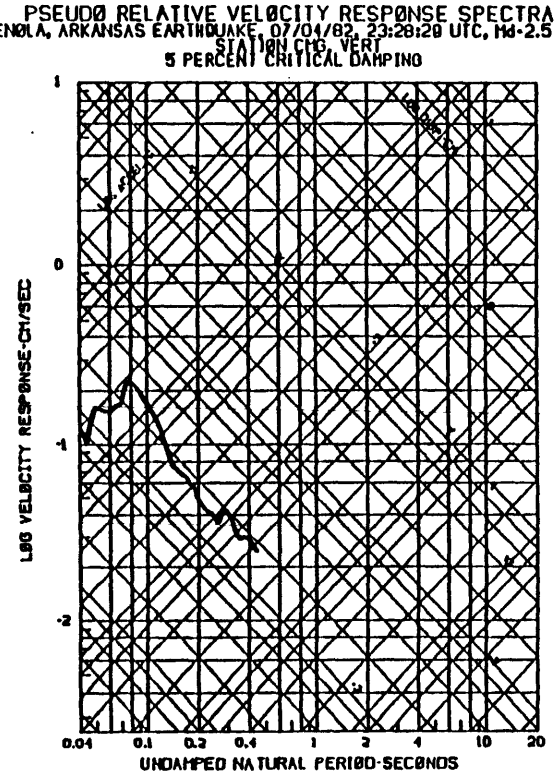

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:28:20 UTC, MD=2.5
STATIØN CMG, DBD
0.25
-0.25
VELOCITY CM/SEC
2
4
8
SECØNDS

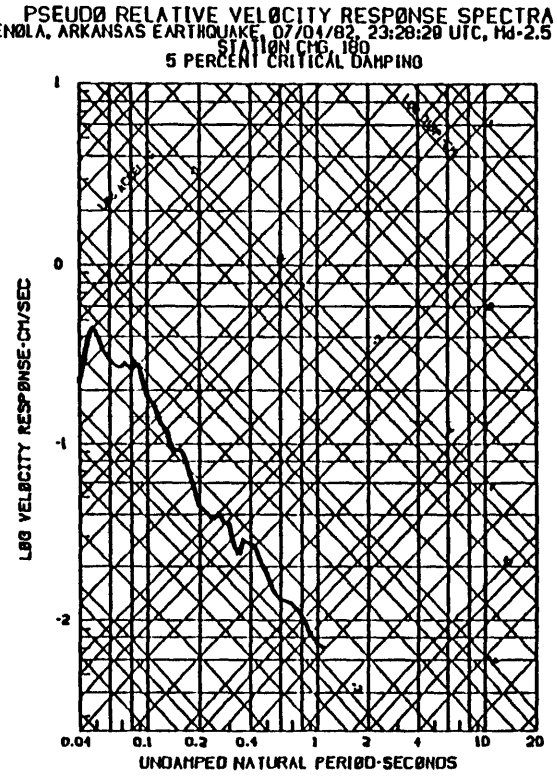

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:28:20 UTC, MD=2.5
STATIØN CMG, DBD
0.00288
0.0029
-0.0029
DISPLACEMENT CM
2
4
8
SECØNDS

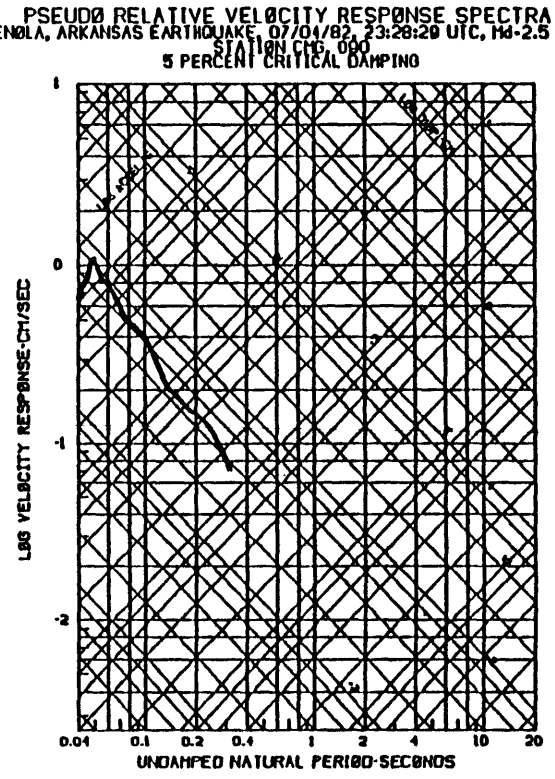

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATION CMG, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

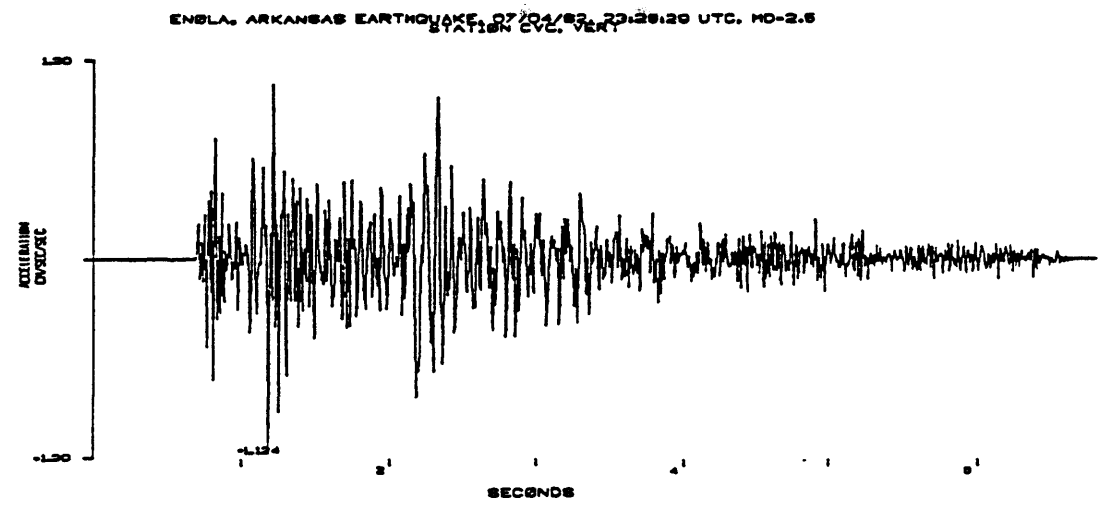

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATION CMG, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

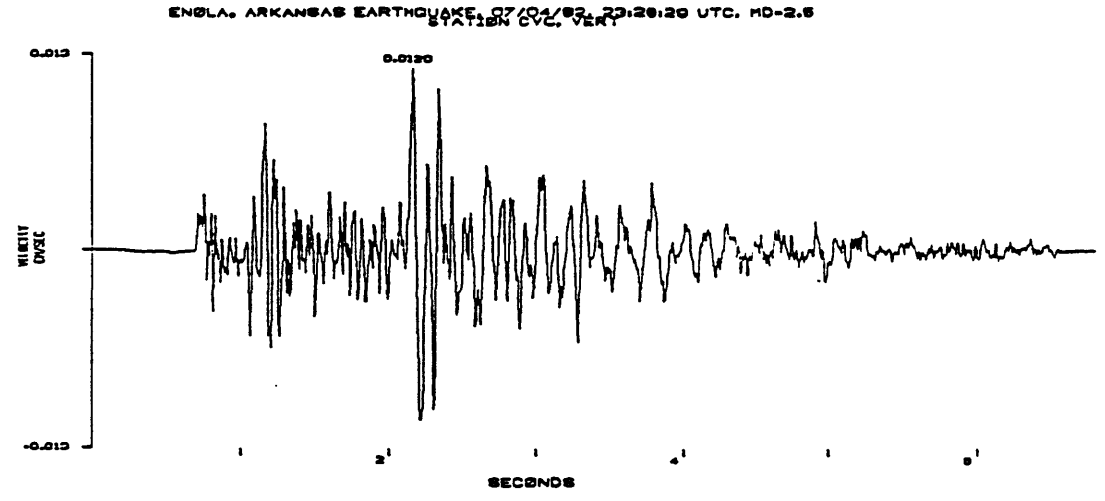

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATION CMG, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

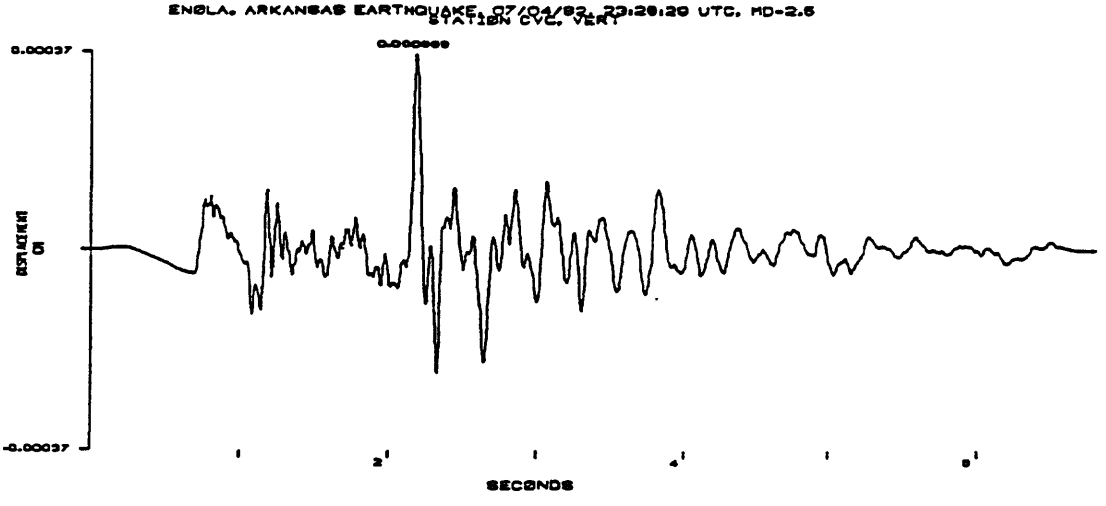

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION CMG, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

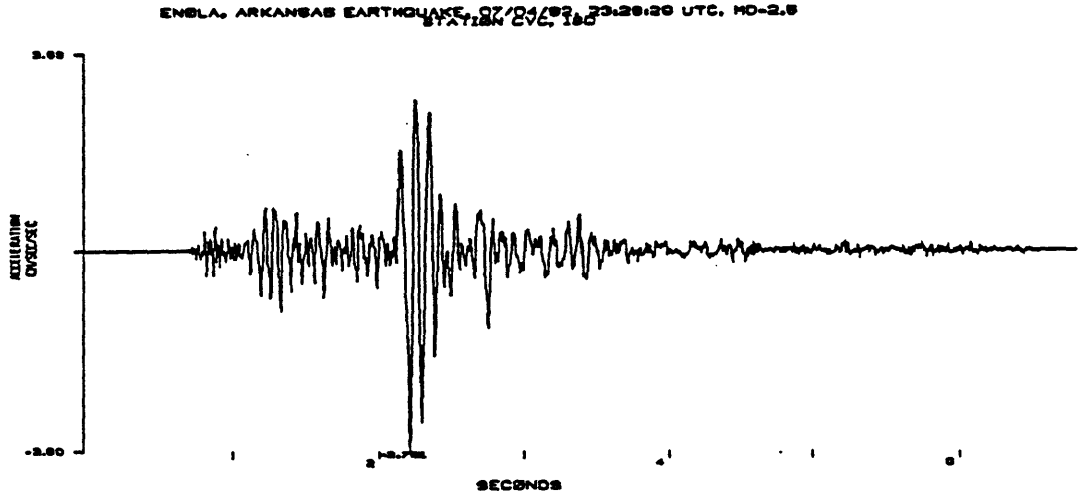

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION CMG, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

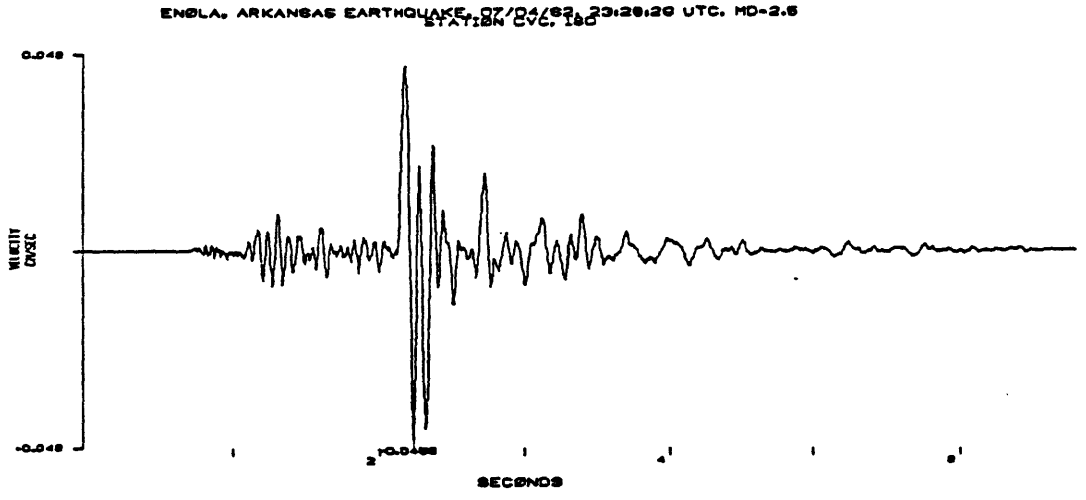

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION CMG, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

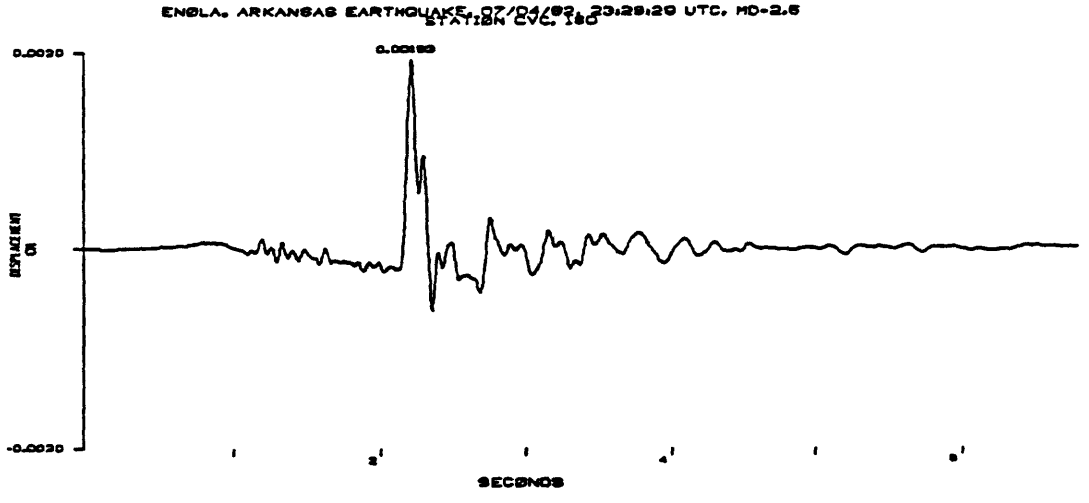

ENOLA, ARKANSAS EARTHQUAKE, 07/04/83, 23:28:20 UTC, MD-2.6
STATION CVC, VERT
1.30
-1.30
-1.124
SECONDS

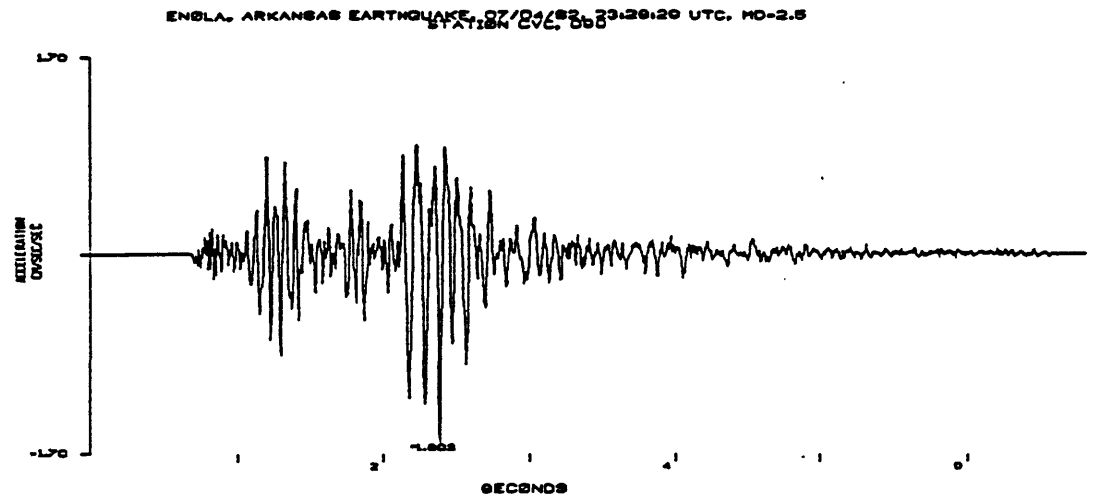

ENOLA, ARKANSAS EARTHQUAKE, 07/04/83, 23:28:20 UTC, MD-2.6
STATION CVC, VERT
0.013
0.0120
-0.013
SECONDS

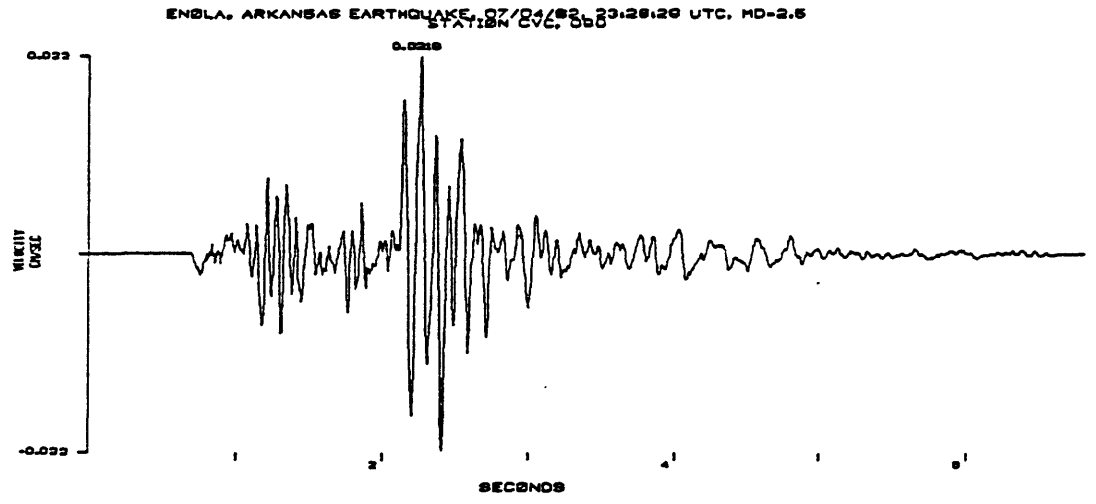

ENOLA, ARKANSAS EARTHQUAKE, 07/04/83, 23:28:20 UTC, MD-2.6
STATION CVC, VERT
0.00037
0.000000
-0.00037
SECONDS

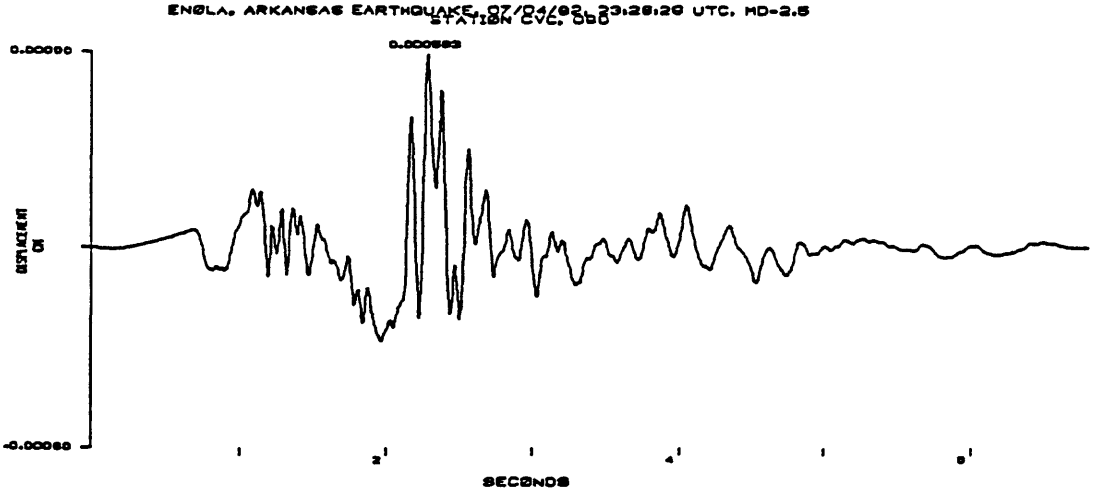

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:29 UTC, MD=2.5
STATION CVC, 180
SECONDS

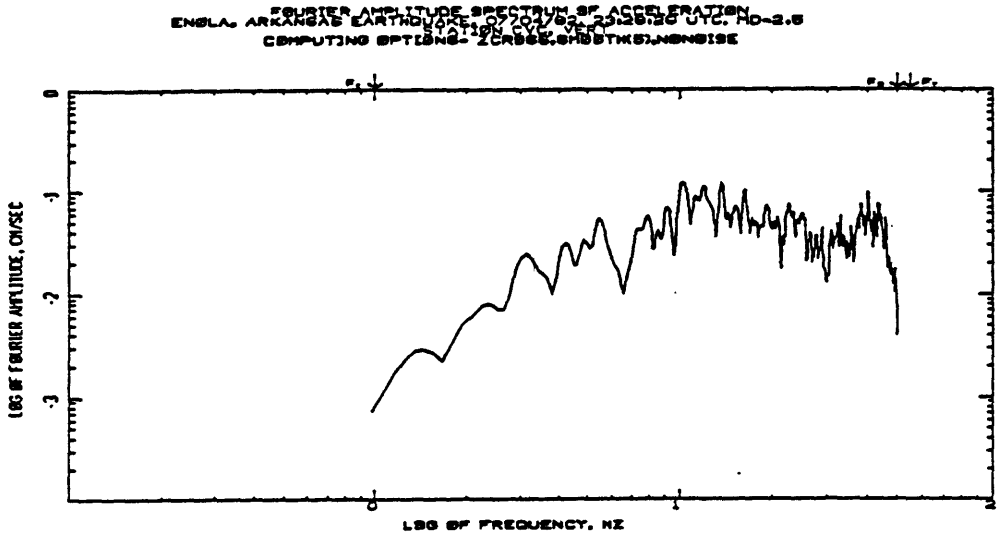

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:29 UTC, MD=2.5
STATION CVC, 180
SECONDS

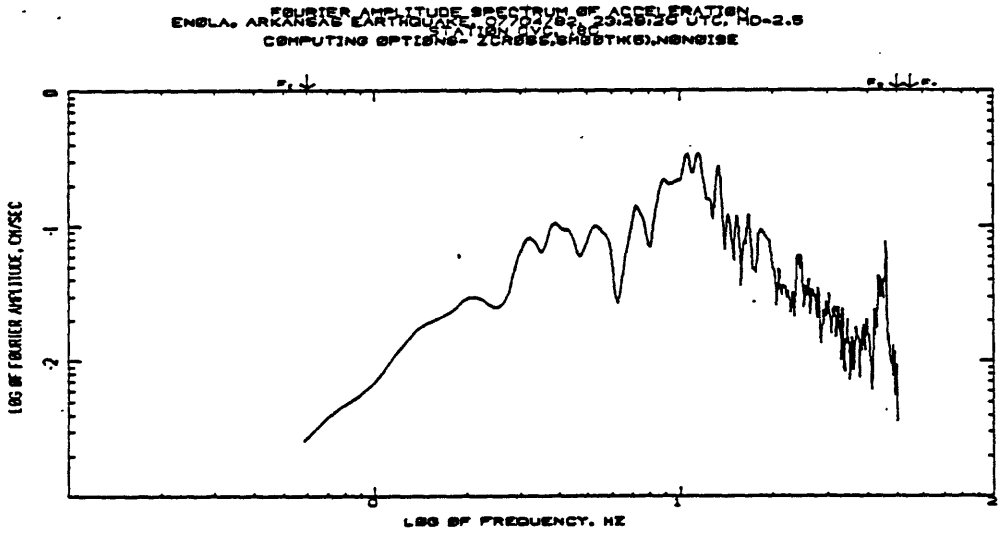

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:29 UTC, MD=2.5
STATION CVC, 180
SECONDS

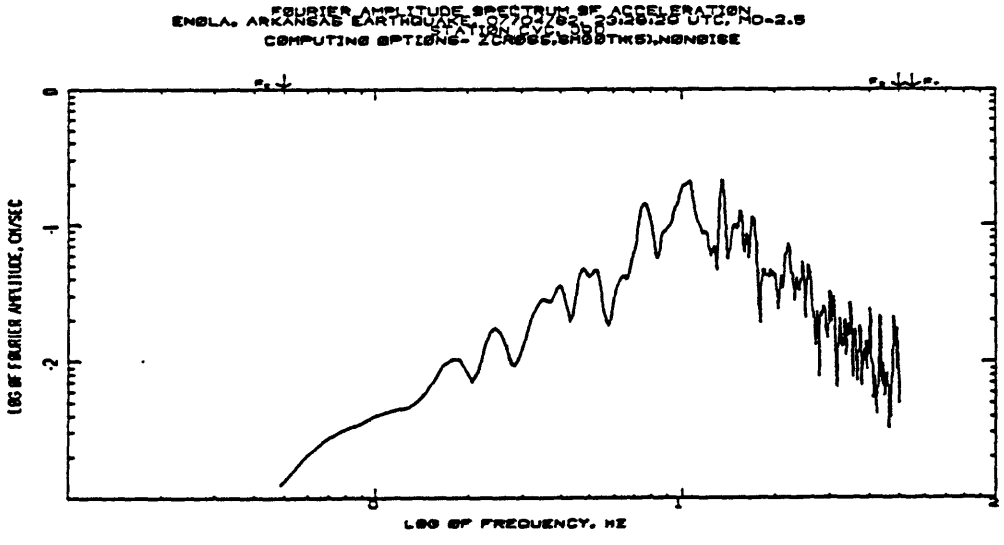

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CVC, Obo
1.70
-1.70
SECONDS

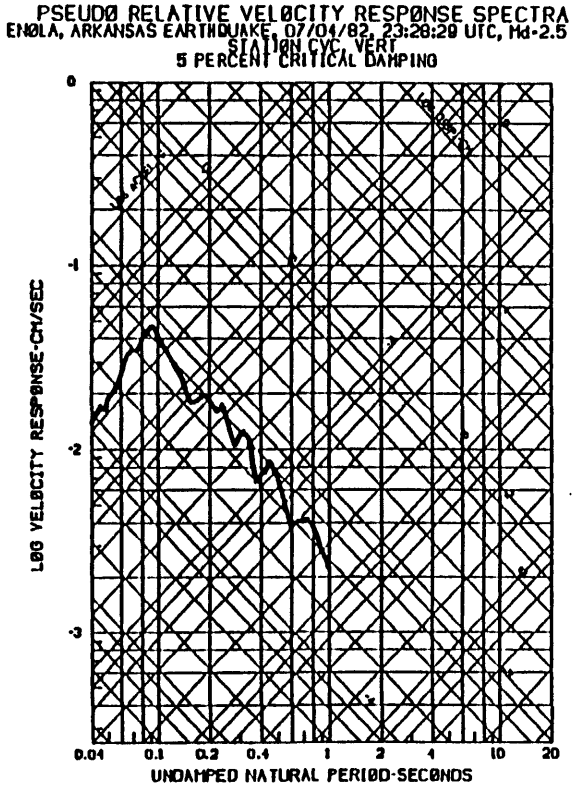

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CVC, Obo
0.022
-0.022
SECONDS

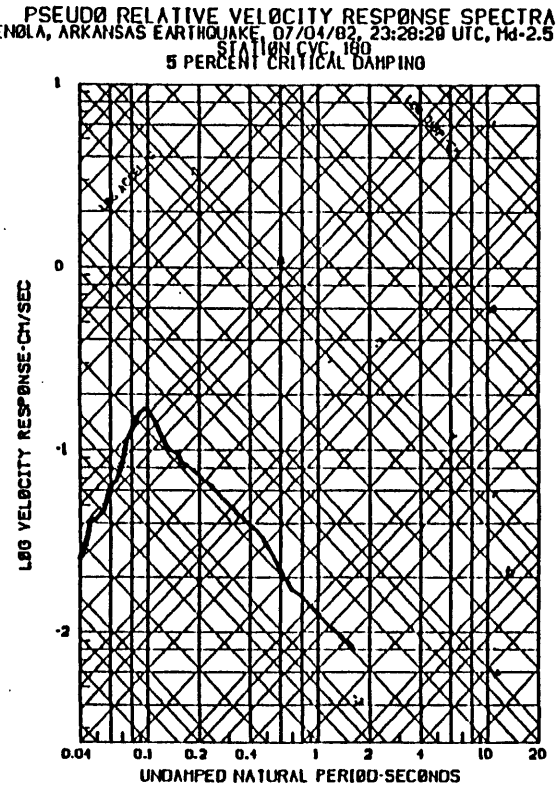

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CVC, Obo
0.000080
-0.000080
SECONDS

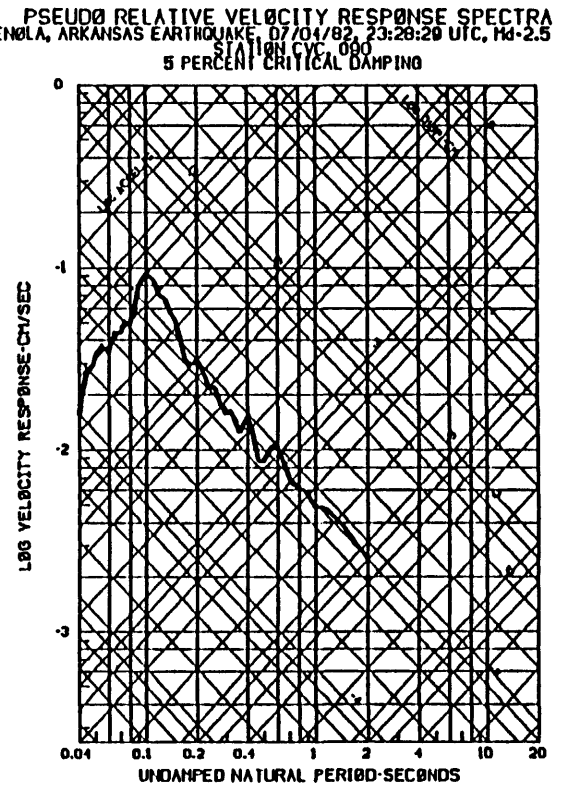

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CVC, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

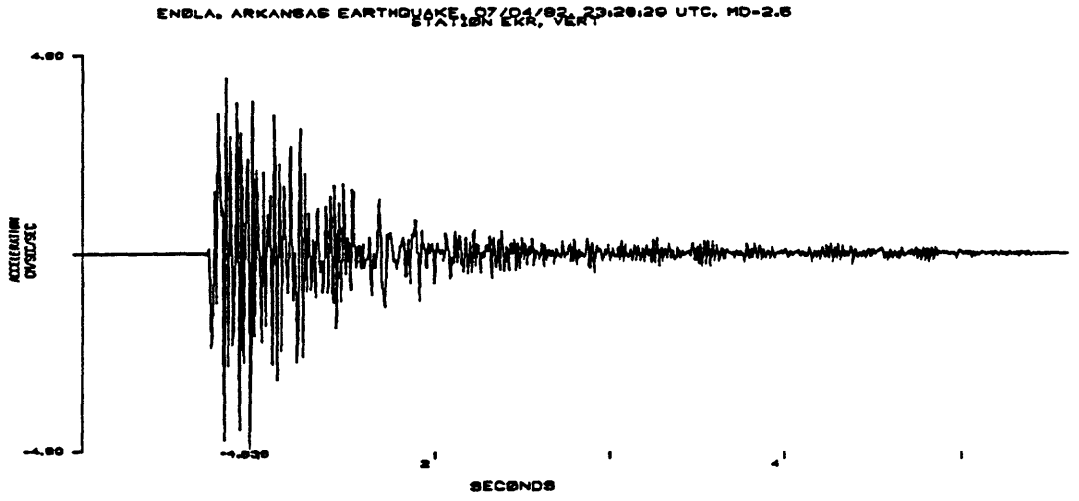

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CVC, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

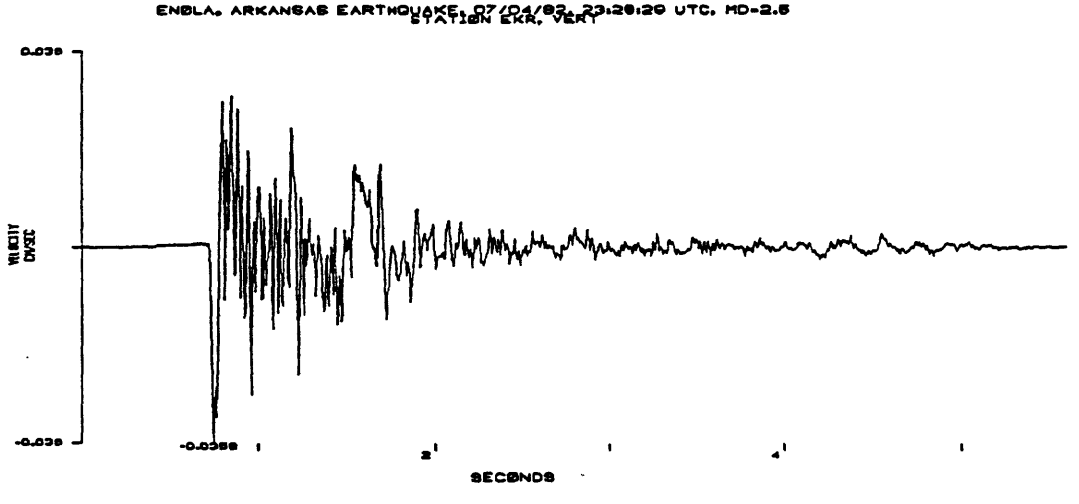

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION CVC, 360
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

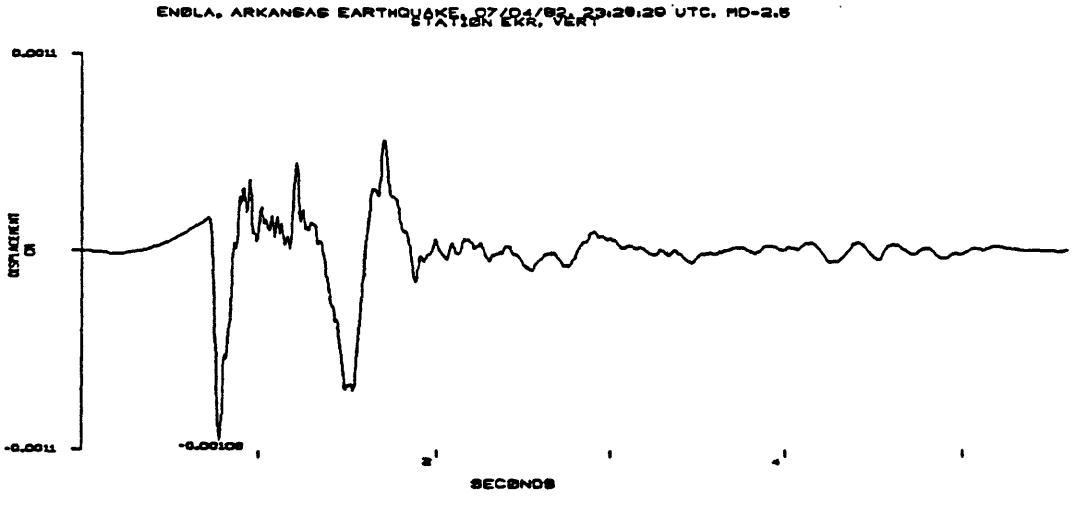

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION CVC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

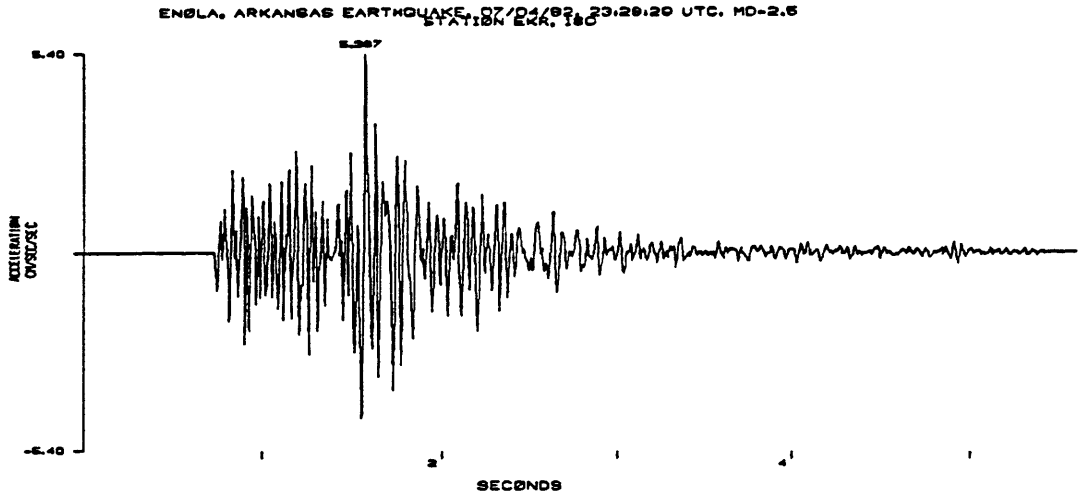

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION CVC, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

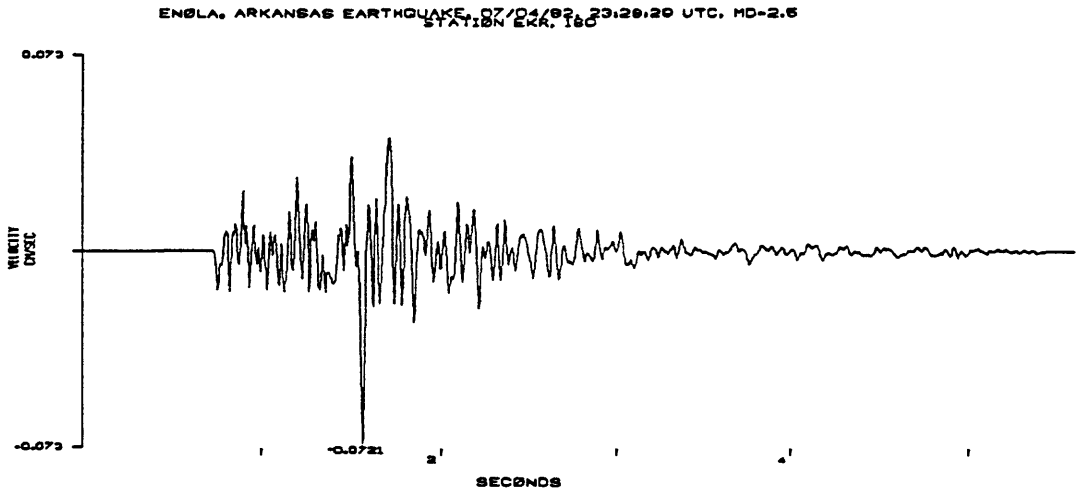

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION CVC, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

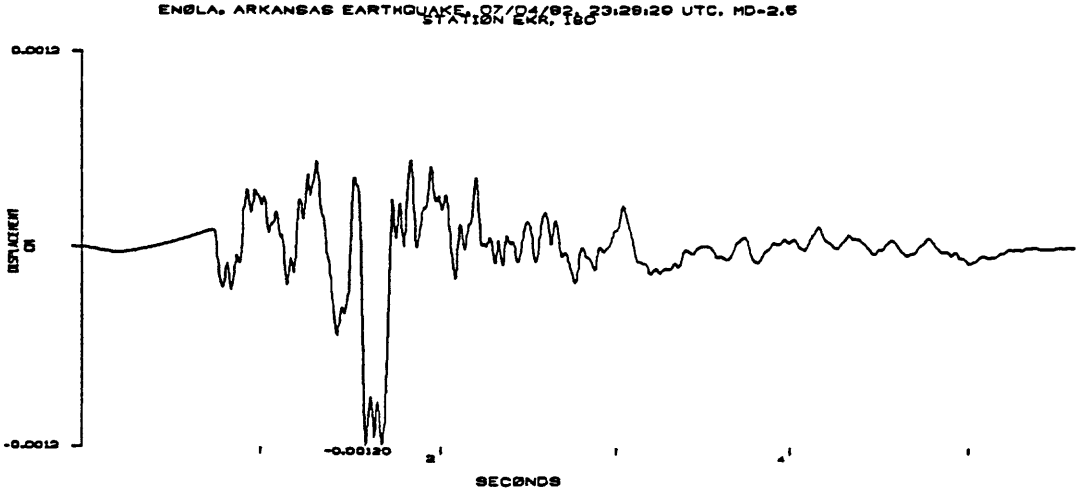

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.5
STATIØN EKR, VERT
4.00
-4.00
ACCELERATION
-4.039
2
4
SECØNDS

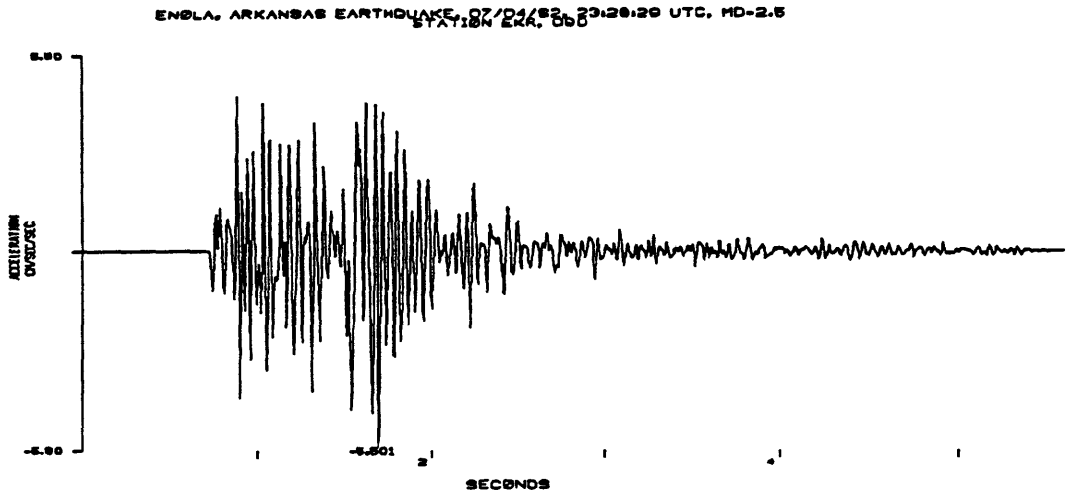

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.5
STATIØN EKR, VERT
0.039
-0.039
VELOCITY
-0.0359
2
4
SECØNDS

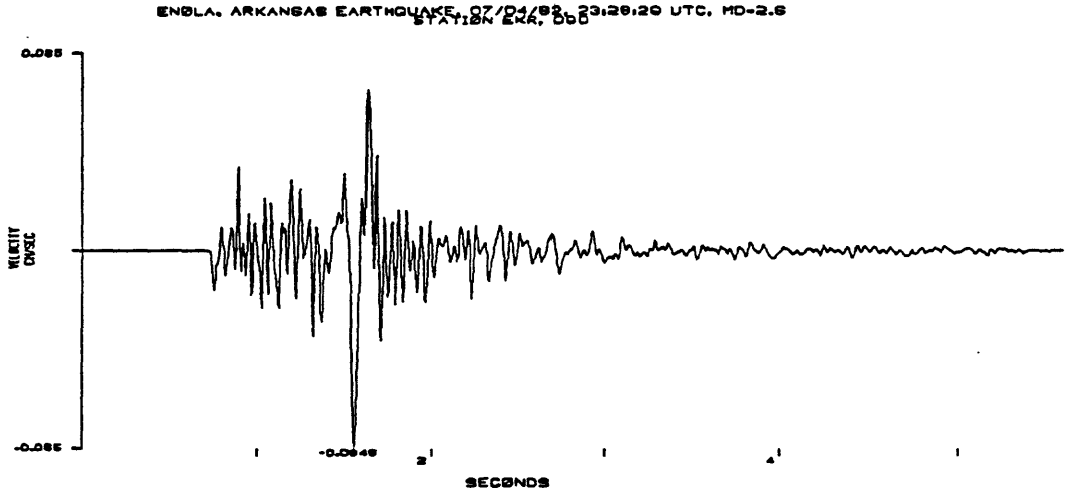

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.5
STATIØN EKR, VERT
0.0011
-0.0011
DISPLACEMENT
-0.00108
2
4
SECØNDS

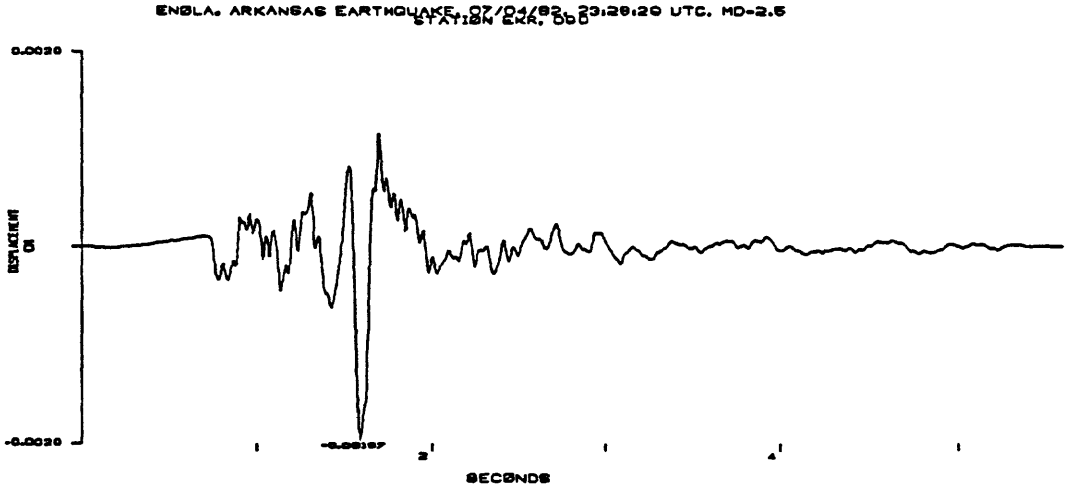

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:29:20 UTC, MD=2.6
STATION EKR, I&C
5.40
5.387
-5.40
2
4
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:29:20 UTC, MD=2.6
STATION EKR, I&C
0.073
-0.073
-0.0721
2
4
SECØNDS

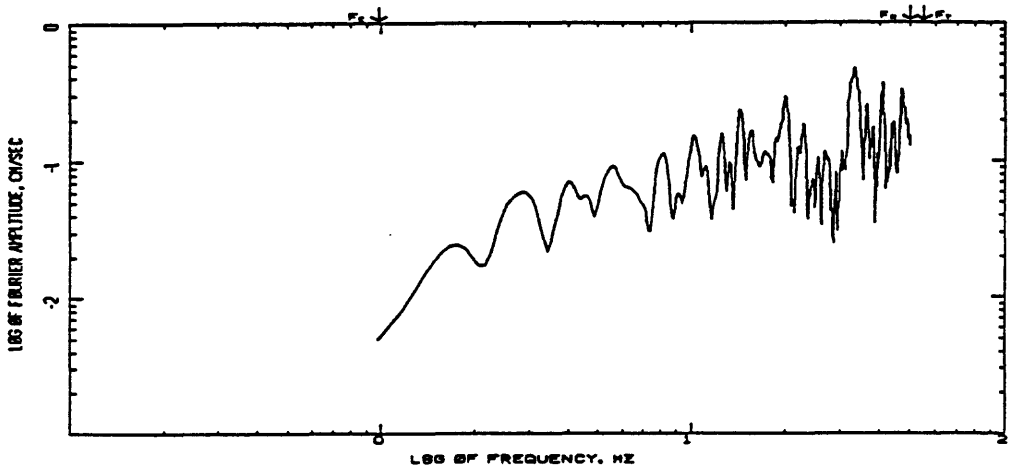

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:29:20 UTC, MD=2.6
STATION EKR, I&C
0.0012
-0.0012
-0.00120
2
4
SECØNDS


ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD=2.5
STATION EKA, DD
ACCELERATION CM/SEC/SEC
SECONDS

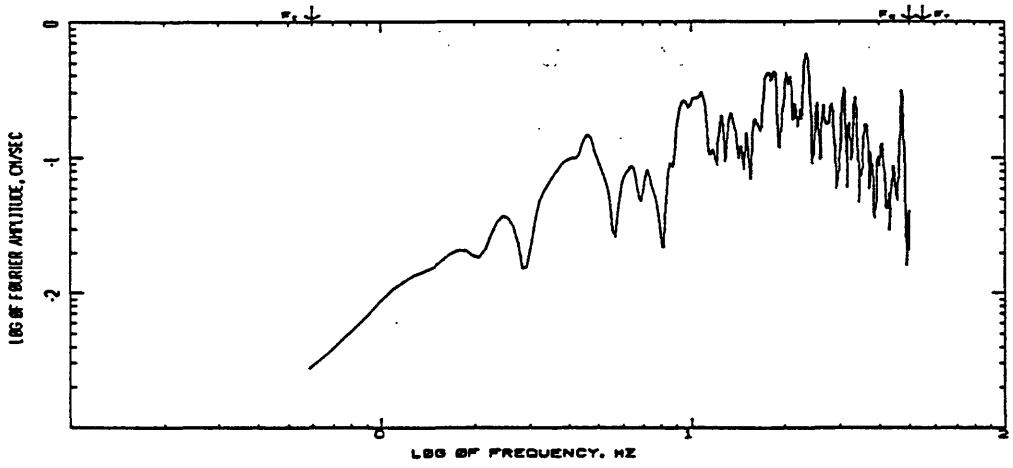

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD=2.5
STATION EKA, DD
VELOCITY CM/SEC
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD=2.5
STATION EKA, DD
DISPLACEMENT CM
SECONDS

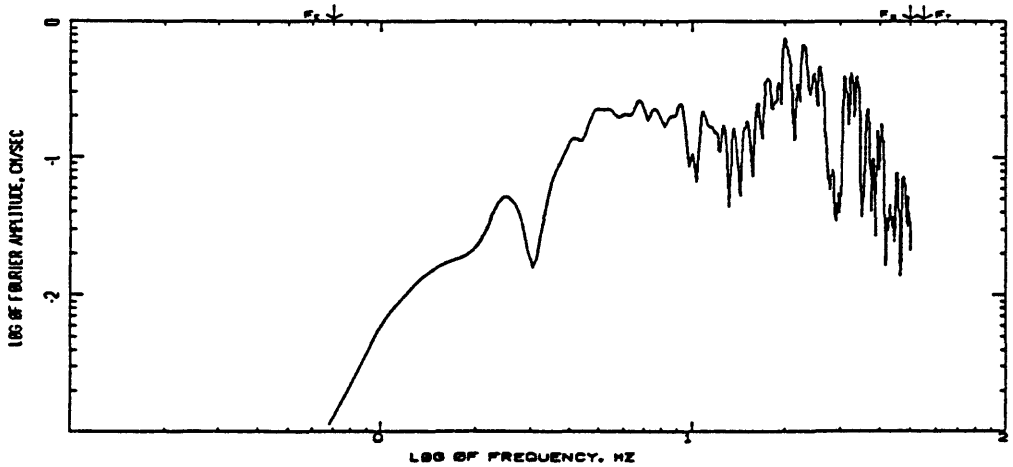
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 20:29:20 UTC, MD=2.6
STATION EKR, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

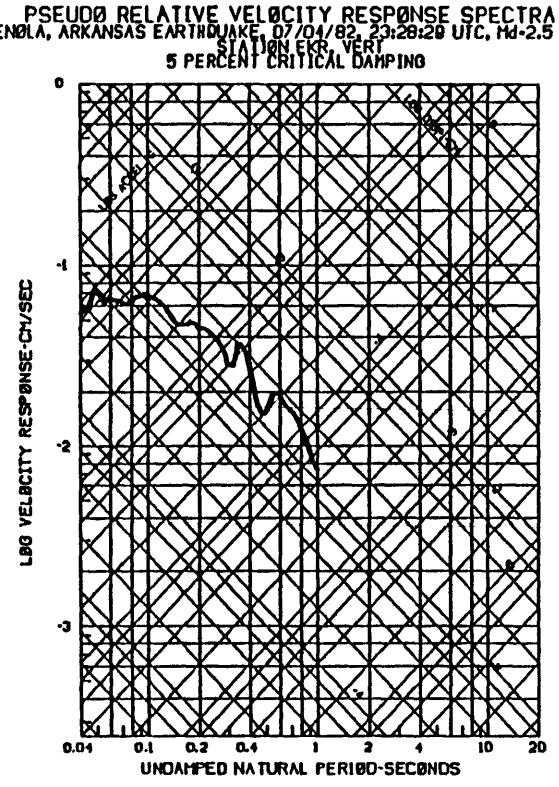


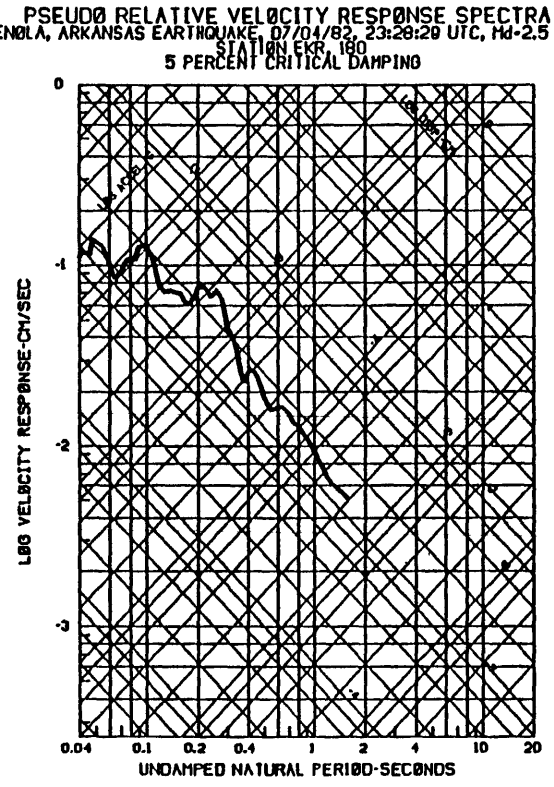
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 20:29:20 UTC, MD=2.6
STATION EKR, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

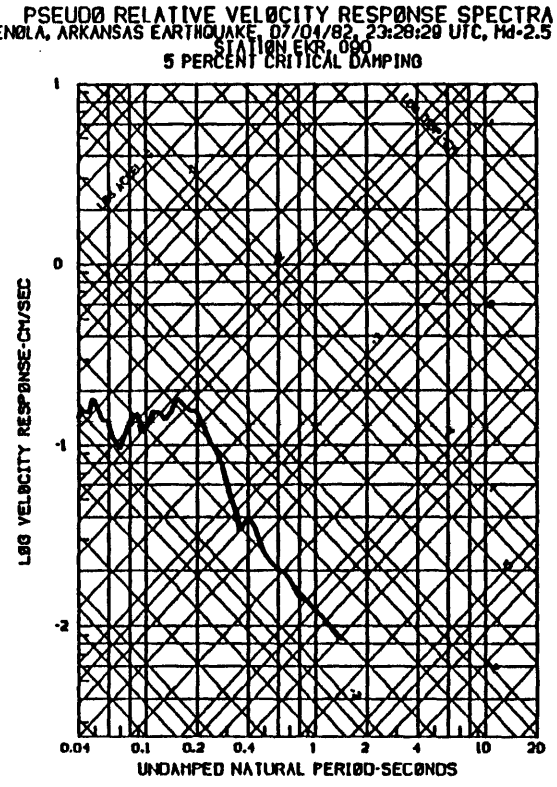


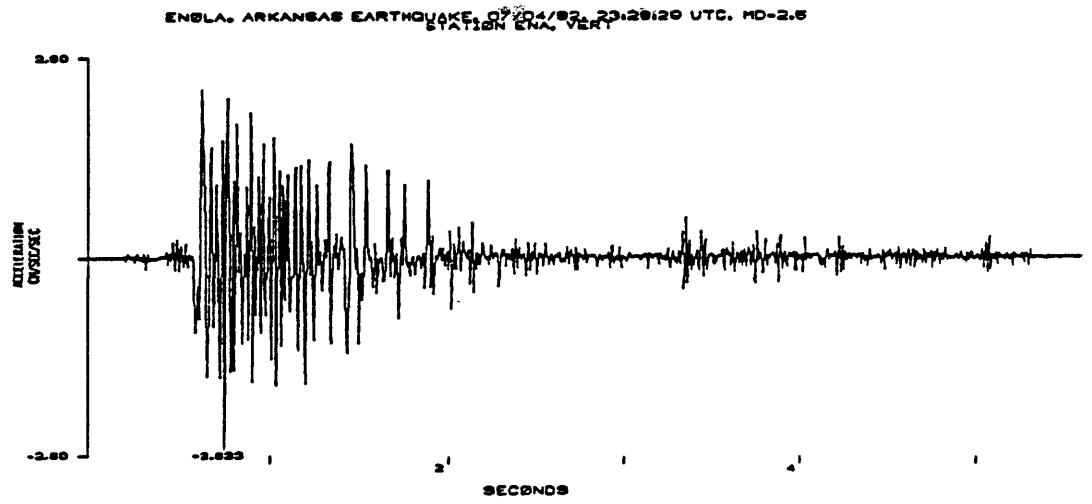
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 20:29:20 UTC, MD=2.6
STATION EKR, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

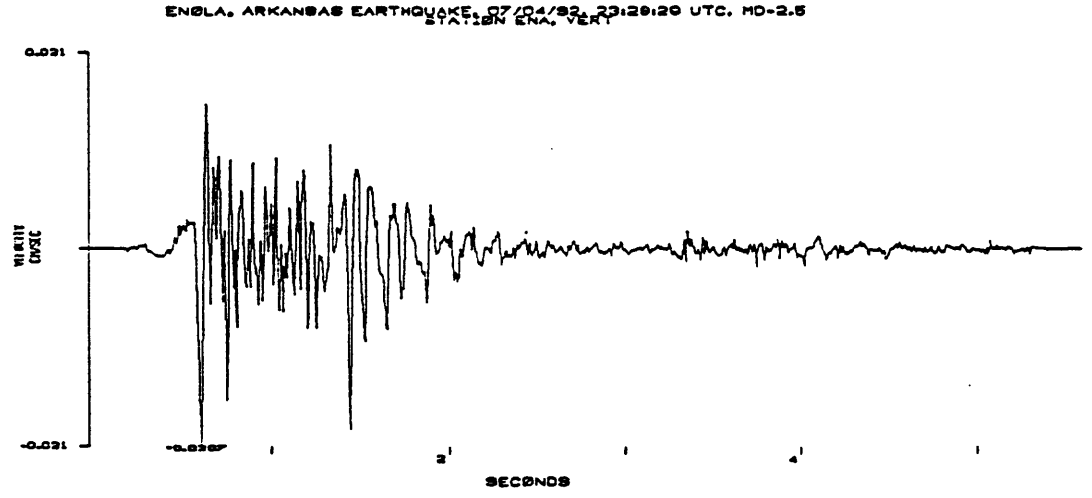


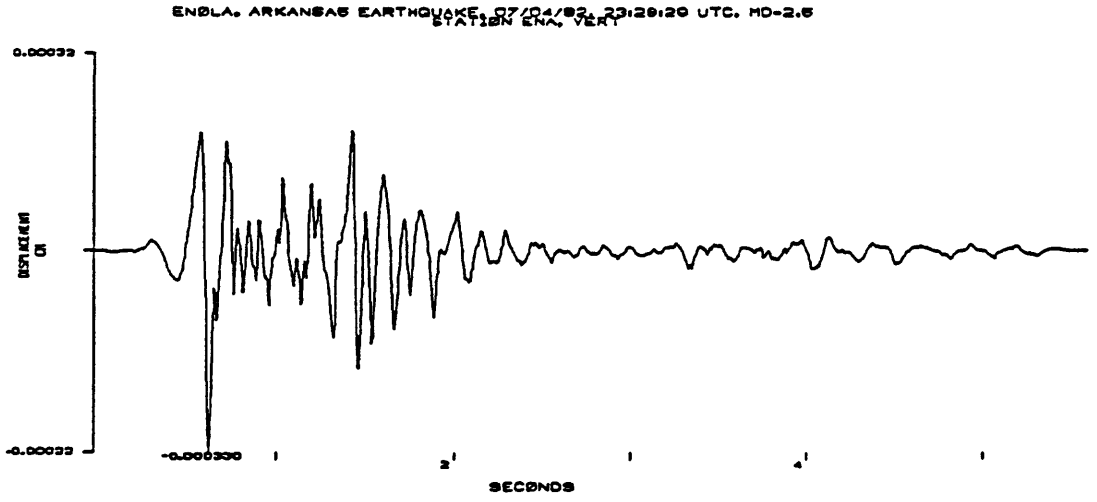

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:28 UTC, Md-2.5
STATIØN EKR, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

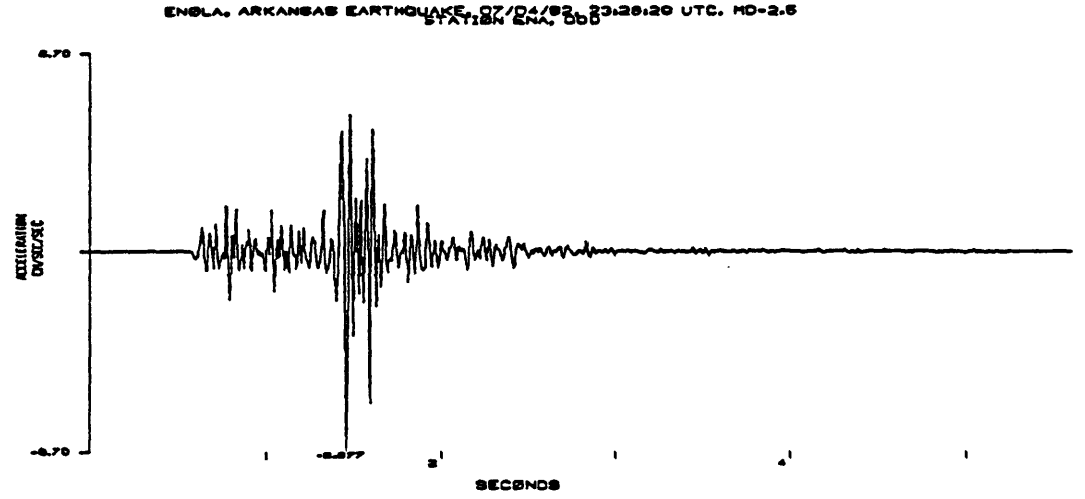

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:28 UTC, Md-2.5
STATIØN EKR, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

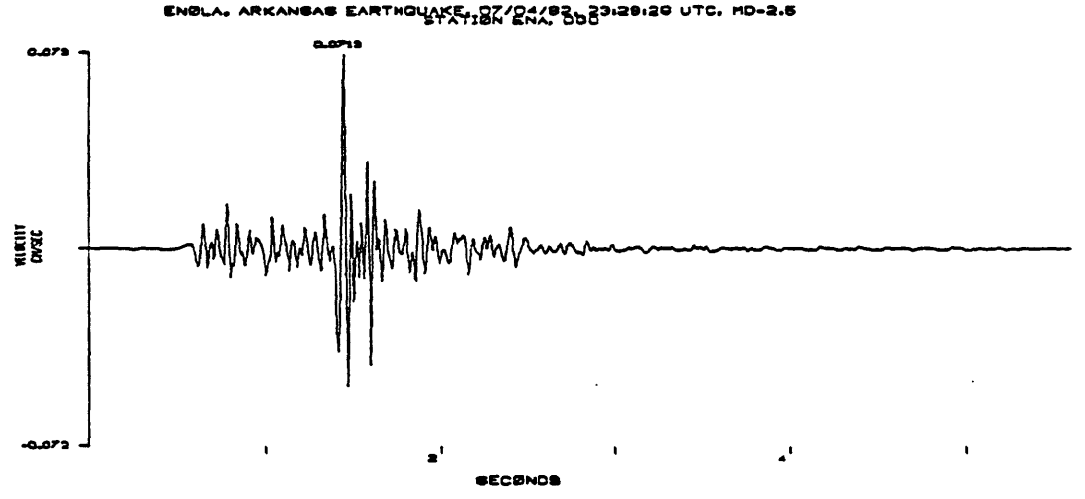

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:28 UTC, Md-2.5
STATIØN EKR, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

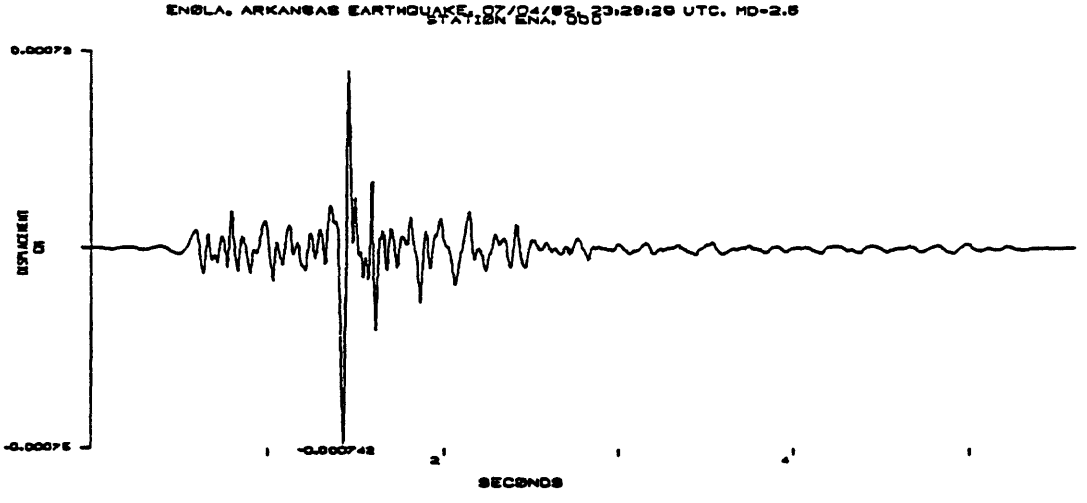

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD=2.6
STATIØN ENA, VERT
2.00
-2.00
-2.833
2
4
SECØNDS

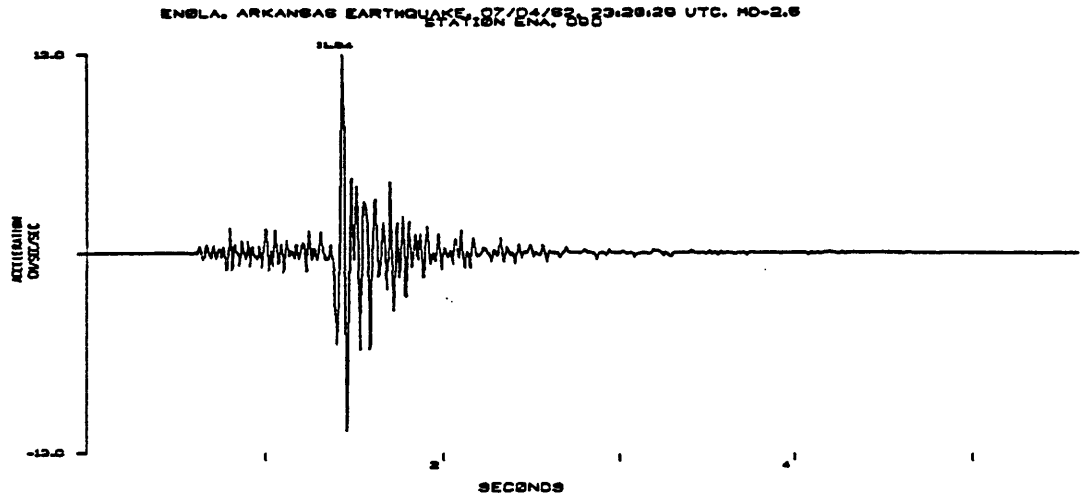

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD=2.6
STATIØN ENA, VERT
0.021
-0.021
2
4
SECØNDS

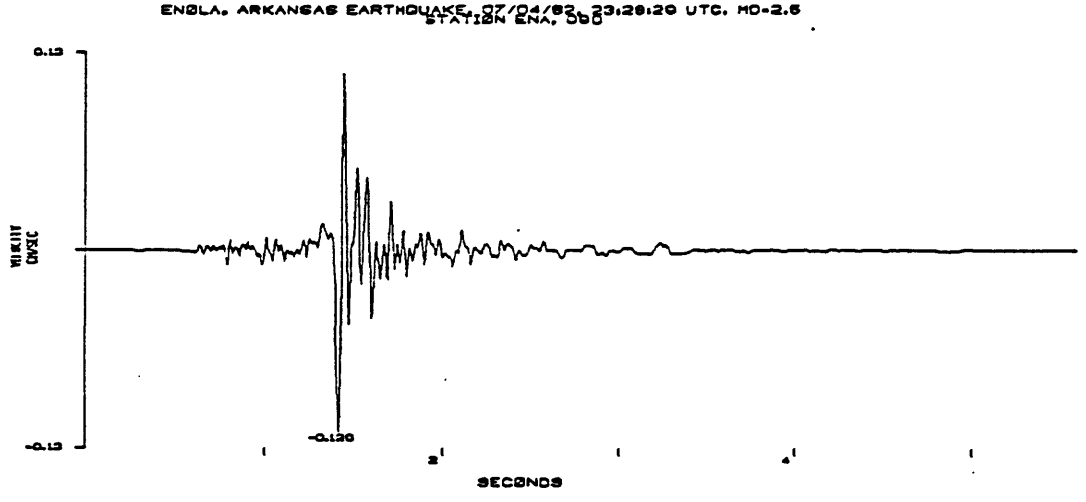

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD=2.6
STATIØN ENA, VERT
0.00032
-0.00032
-0.000330
2
4
SECØNDS

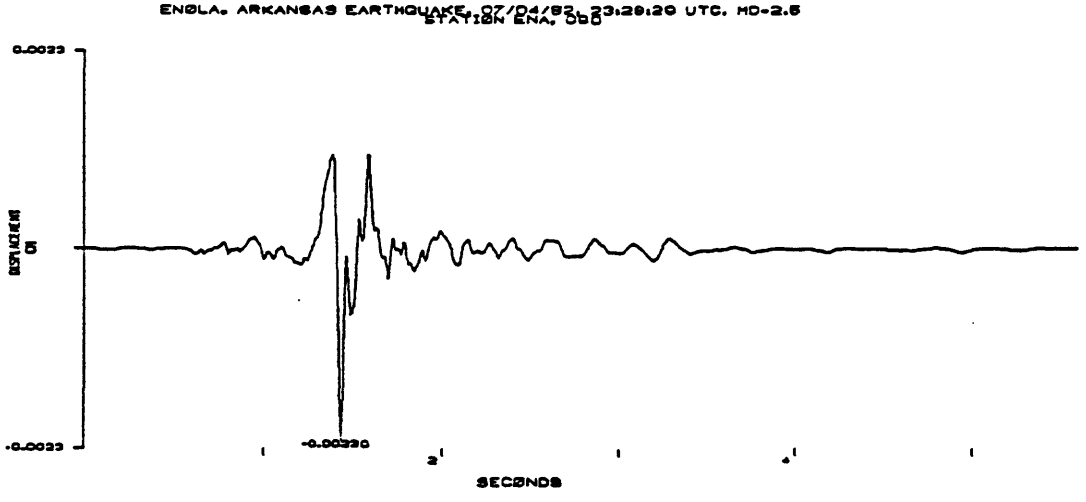

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:28:20 UTC, MD-2.5
STATIØN ENA, DDD
0.70
-0.70
-0.077
2
4
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:28:20 UTC, MD-2.5
STATIØN ENA, DDD
0.073
0.0713
-0.072
2
4
SECØNDS

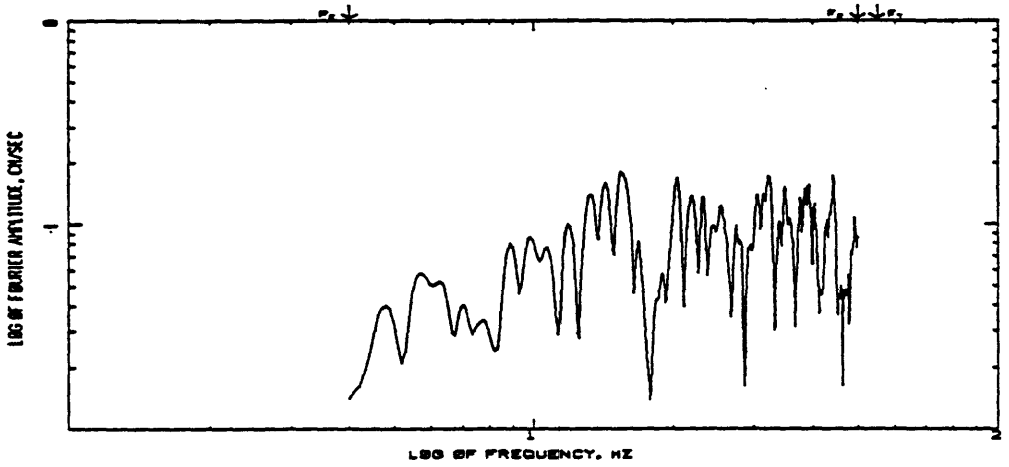

ENØLA, ARKANSAS EARTHQUAKE, 07/04/92, 23:28:20 UTC, MD-2.5
STATIØN ENA, DDD
0.00073
-0.00075
-0.000742
2
4
SECØNDS


ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC. MD=2.6
STATION ENA, Obb
13.0
-13.0
SECONDS

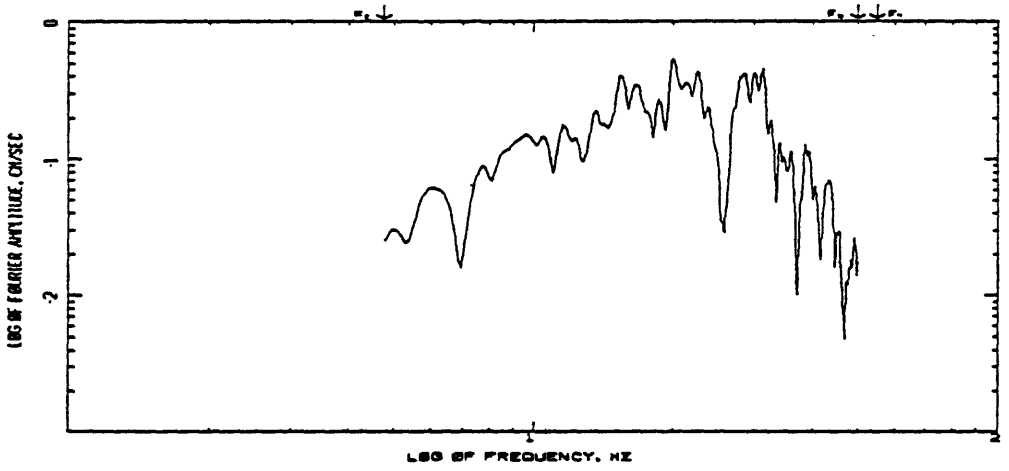

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC. MD=2.6
STATION ENA, Obb
0.13
-0.13
-0.120
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC. MD=2.6
STATION ENA, Obb
0.0033
-0.0033
-0.00330
SECONDS

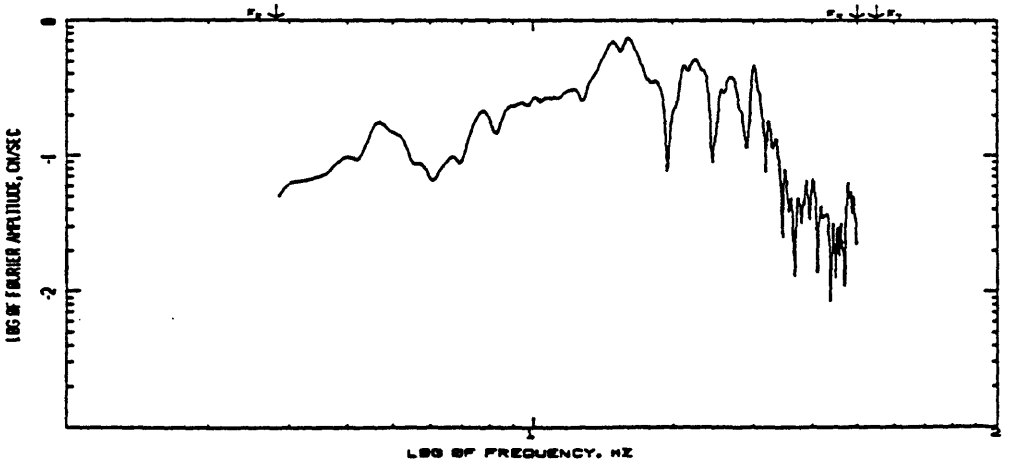
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD=2.8
STATION ENA, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

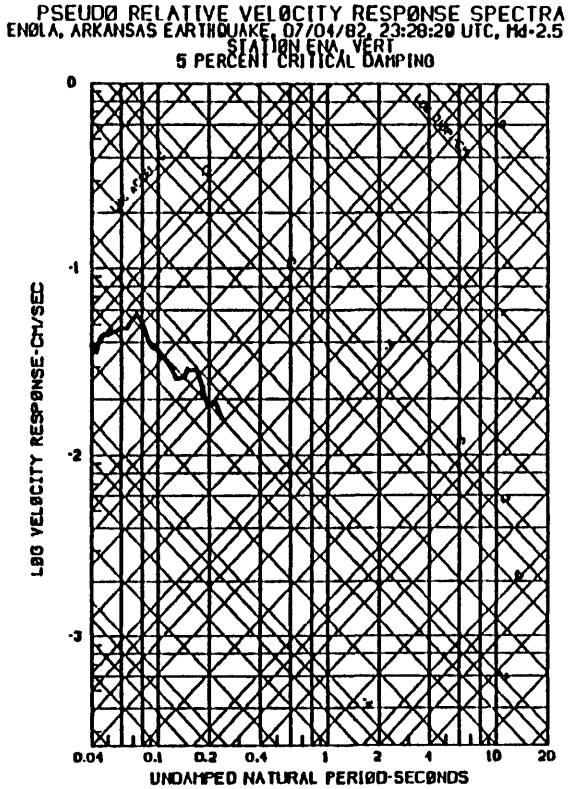


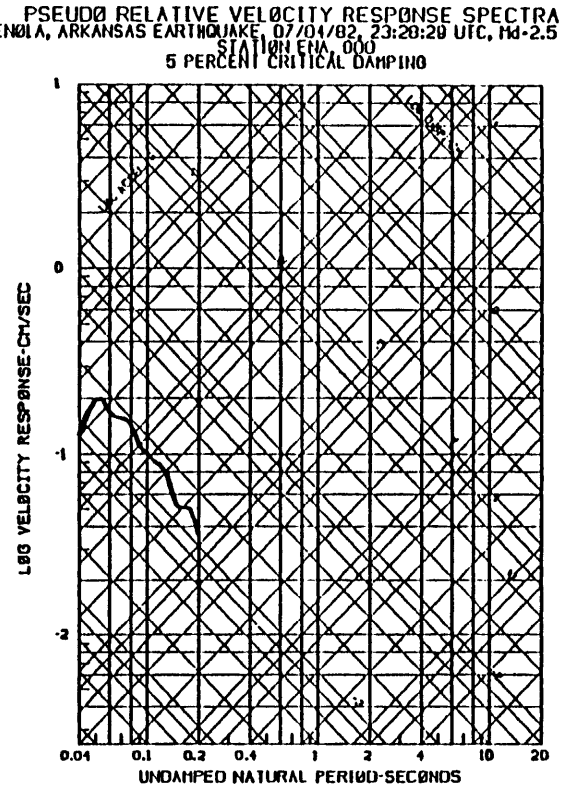
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD=2.8
STATION ENA, N-S
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

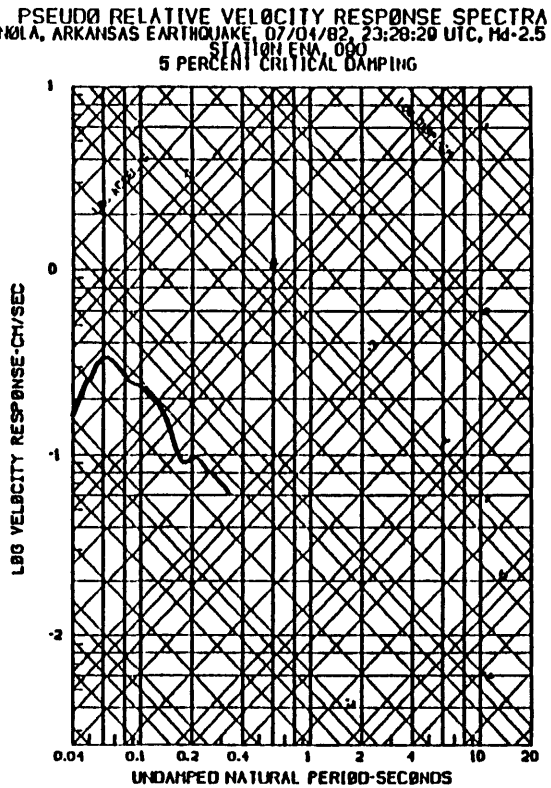


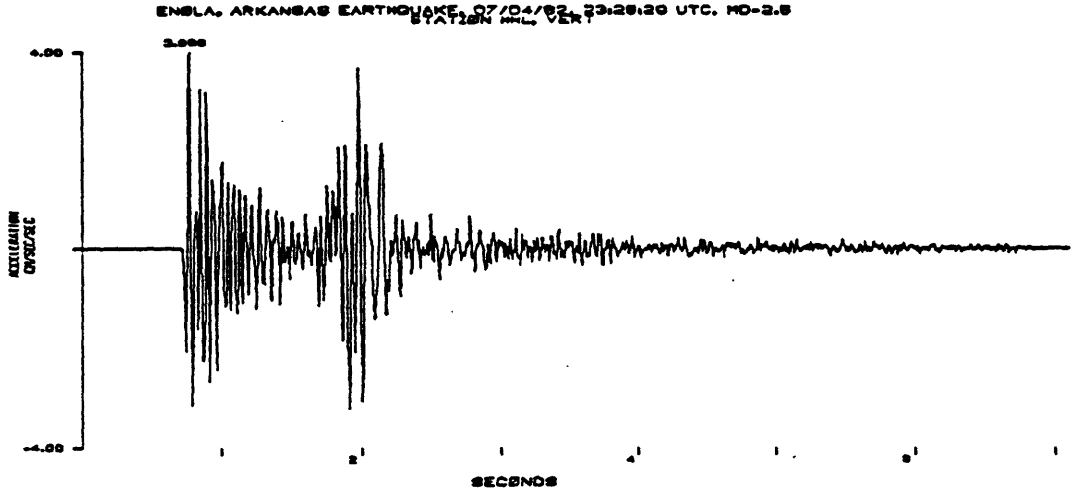
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD=2.8
STATION ENA, E-W
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

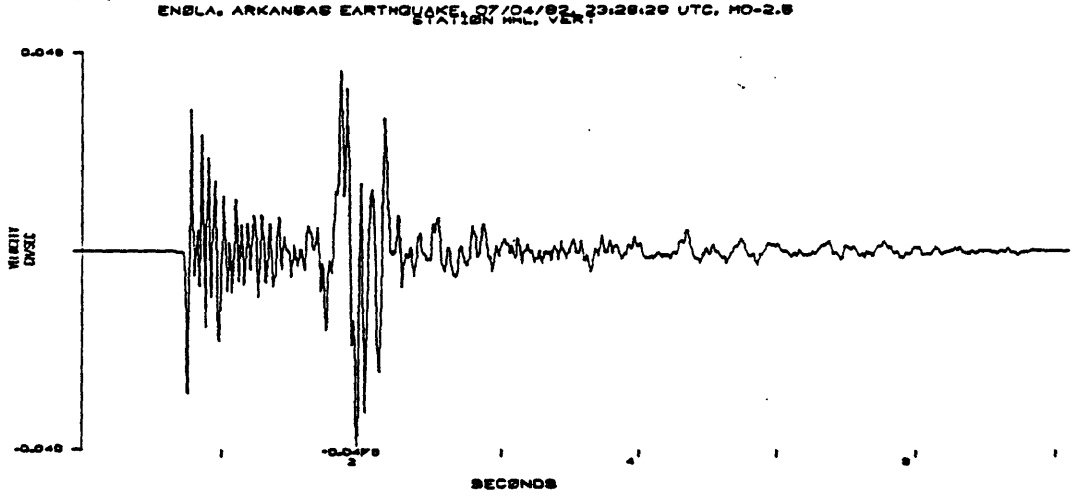


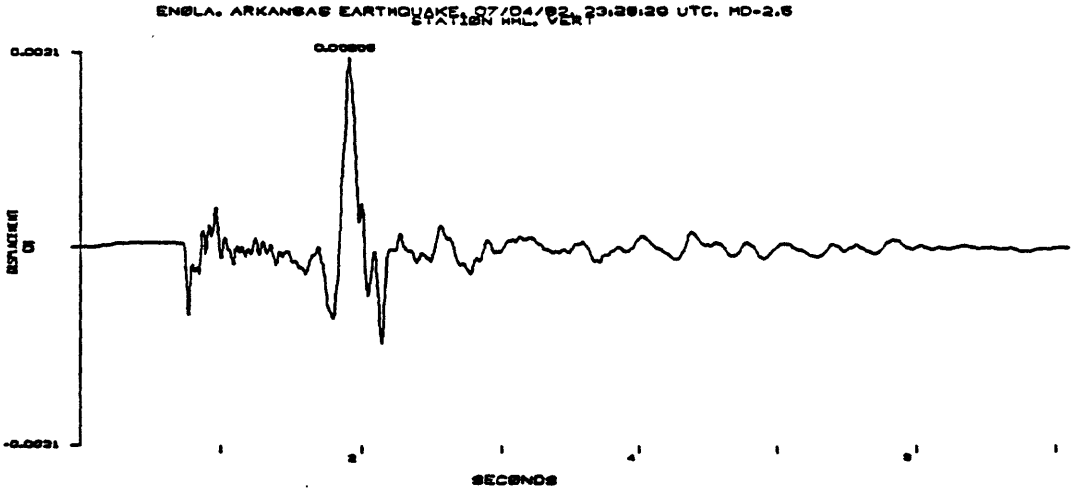

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:20:20 UTC, Md-2.5
STATIØN ENA, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

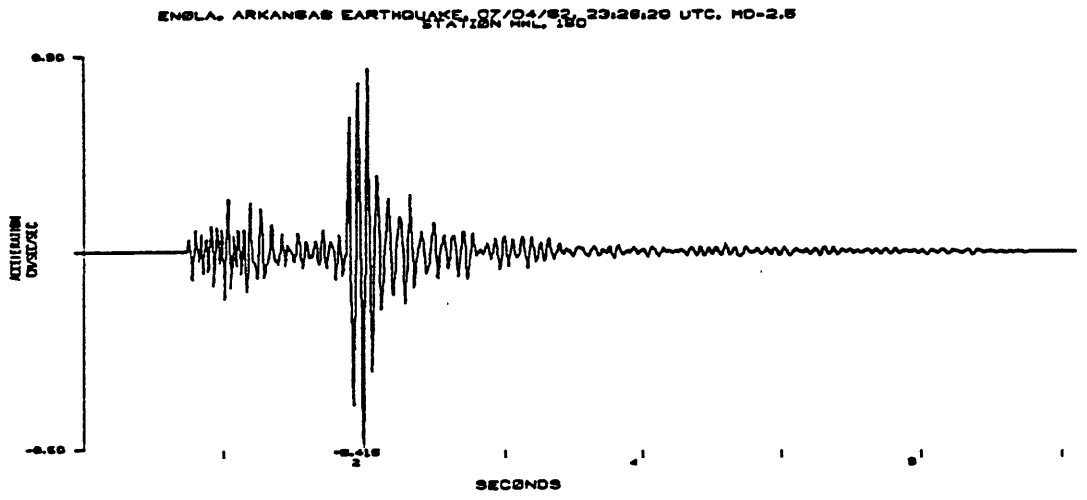

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:20:20 UTC, Md-2.5
STATIØN ENA, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

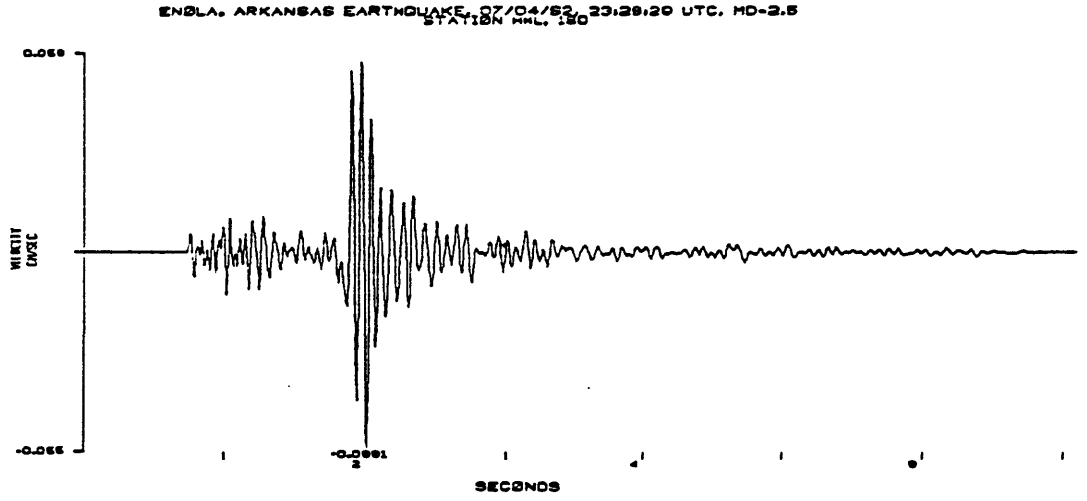

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:20:20 UTC, Md-2.5
STATIØN ENA, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

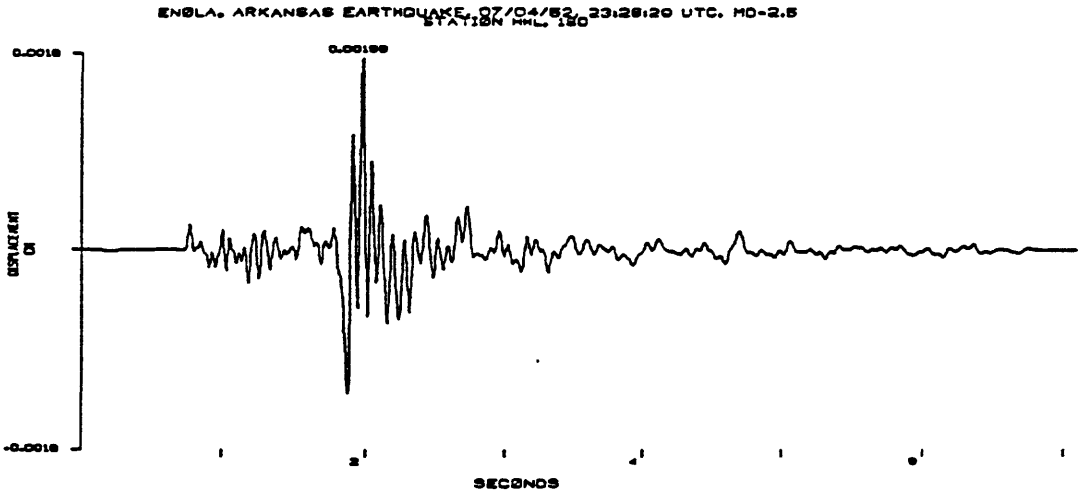

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD=2.6
STATION HHL, VERT
4.00
-4.00
ACCELERATION CM/SEC/SEC
2
4
6
SECONDS

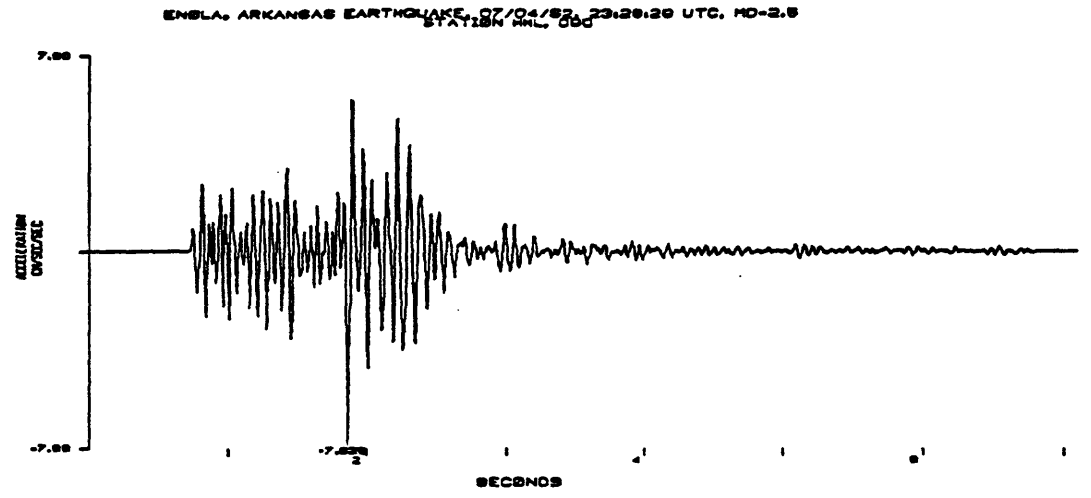

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD=2.6
STATION HHL, VERT
0.040
-0.040
VELOCITY CM/SEC
2
4
6
SECONDS

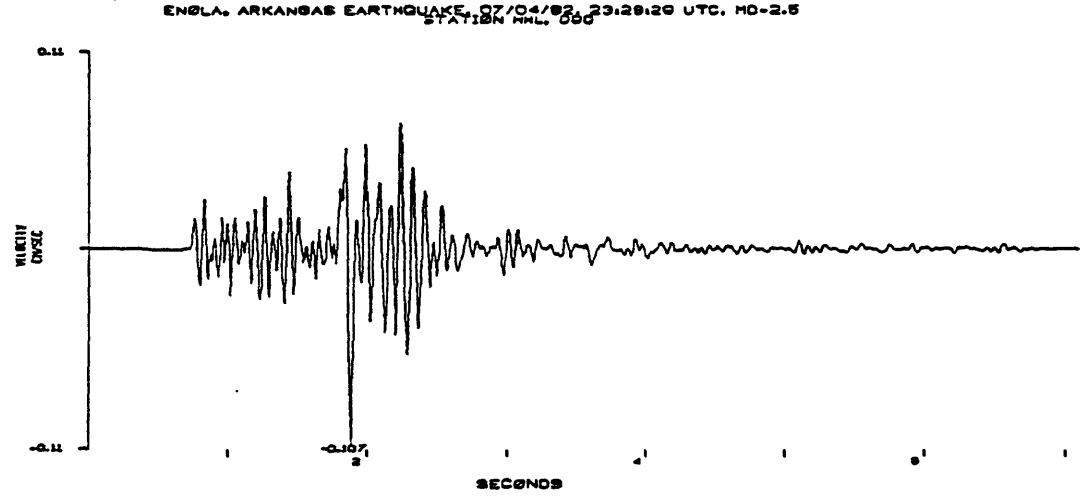

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD=2.6
STATION HHL, VERT
0.0021
-0.0021
DISPLACEMENT CM
2
4
6
SECONDS

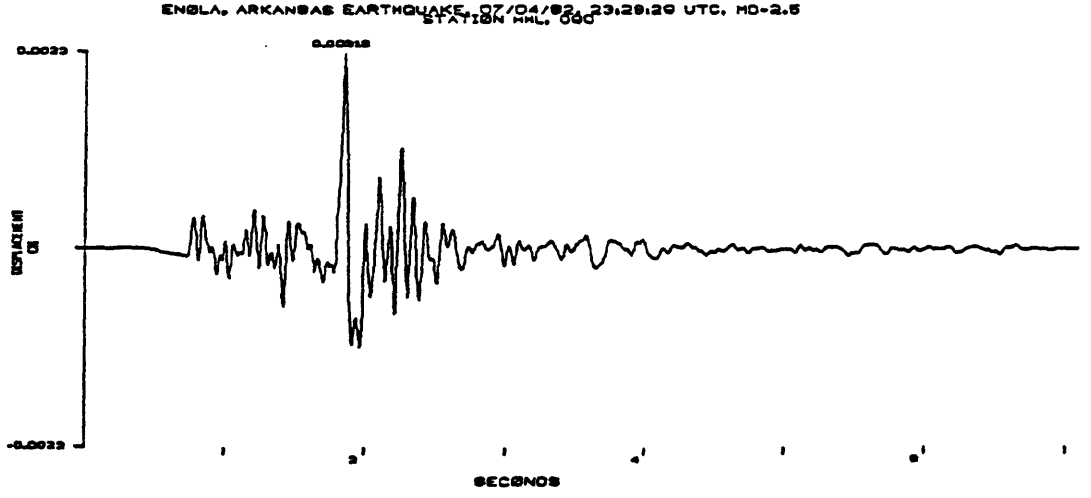

ENØLA, ARKANSAS EARTHQUAKE, 07/04/62, 23:28:20 UTC, MD-2.5
STATION MHL, 180
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/04/62, 23:28:20 UTC, MD-2.5
STATION MHL, 180
SECØNDS

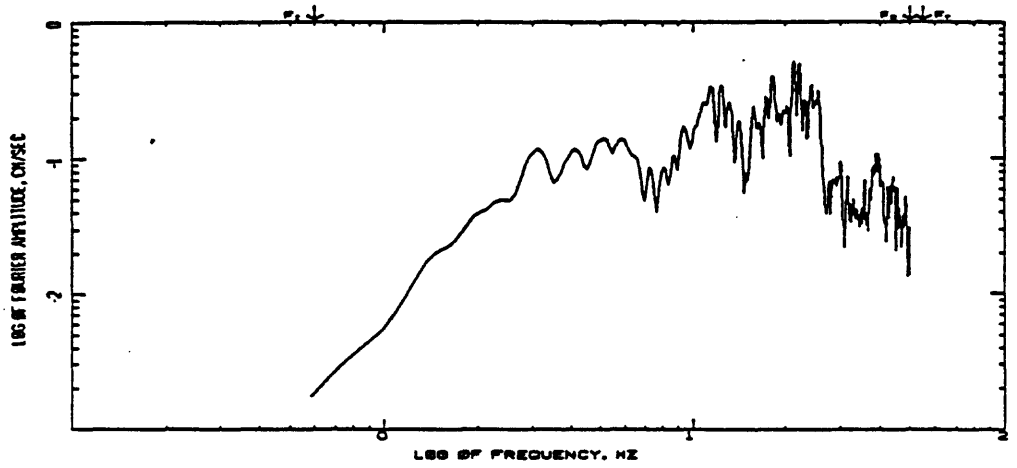

ENØLA, ARKANSAS EARTHQUAKE, 07/04/62, 23:28:20 UTC, MD-2.5
STATION MHL, 180
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:29 UTC, MD-2.5
STATIØN HHL, 000
7.00
-7.00
ACCELERATION CM/SEC/SEC
SECØNDS

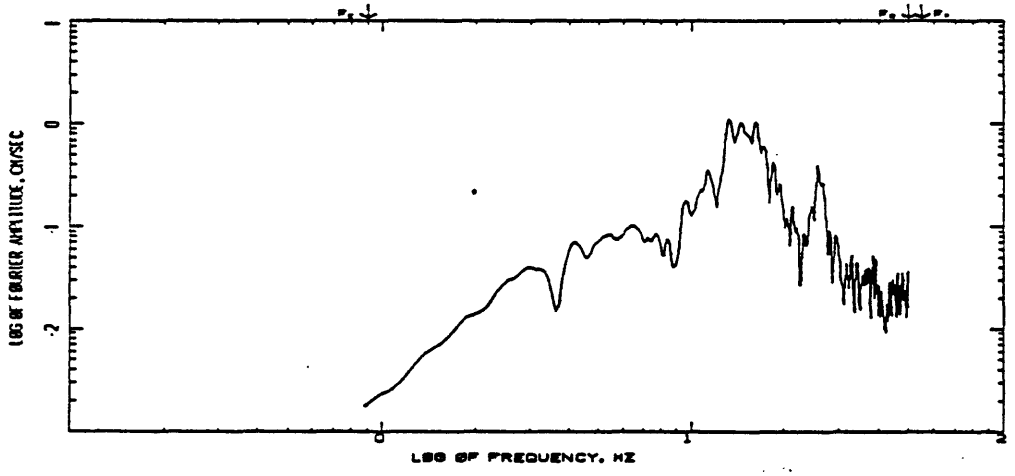

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:29 UTC, MD-2.5
STATIØN HHL, 000
0.11
-0.11
VELOCITY CM/SEC
-0.107
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:29 UTC, MD-2.5
STATIØN HHL, 000
0.0023
-0.0023
DISPLACEMENT CM
SECØNDS

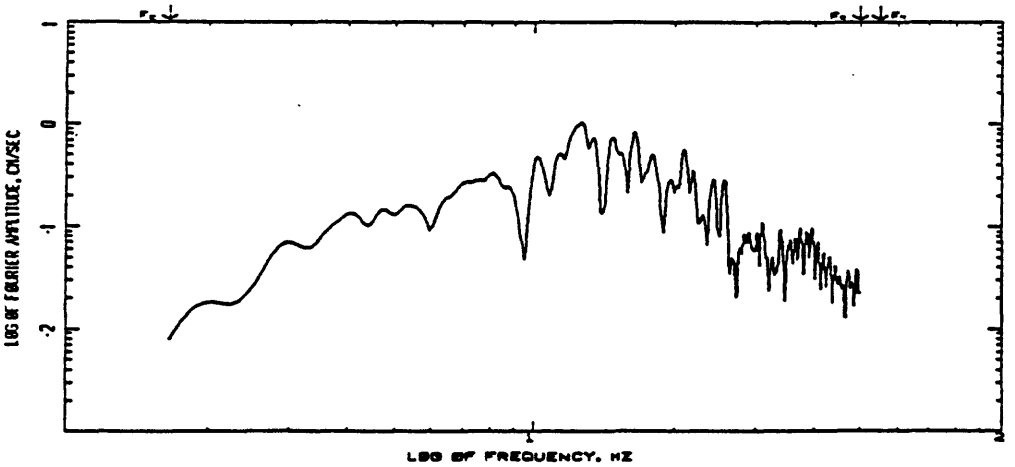
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07704/82, 23:28:20 UTC, MD-2.5
STATION HHL, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

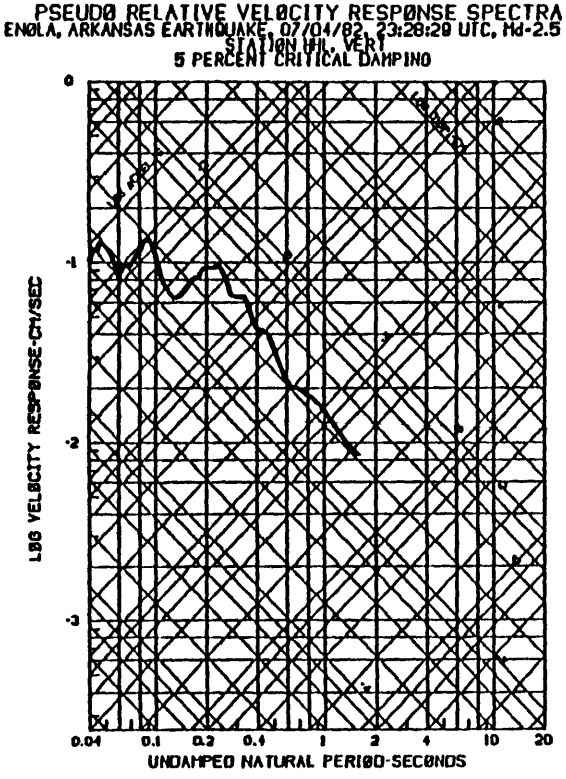


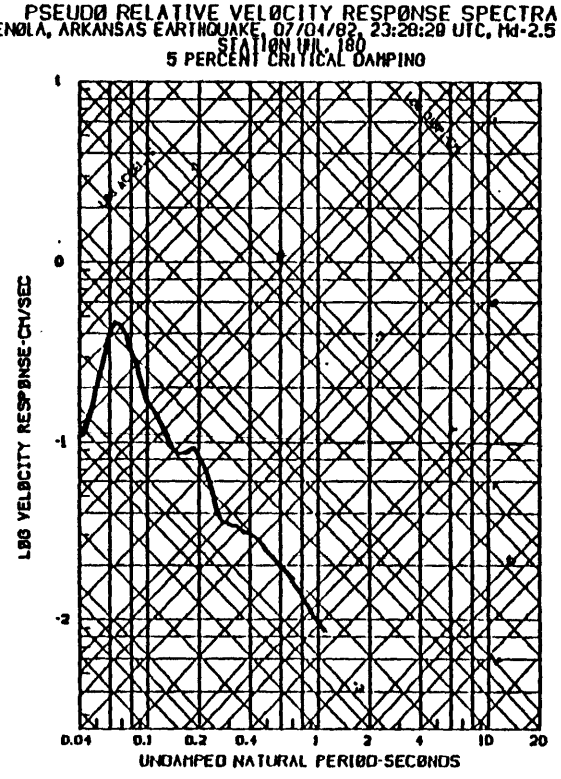
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07704/82, 23:28:20 UTC, MD-2.5
STATION HHL, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

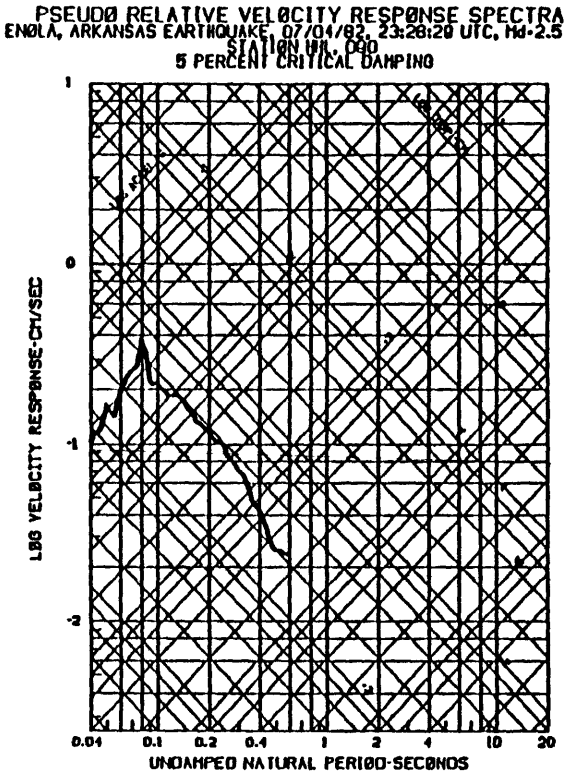


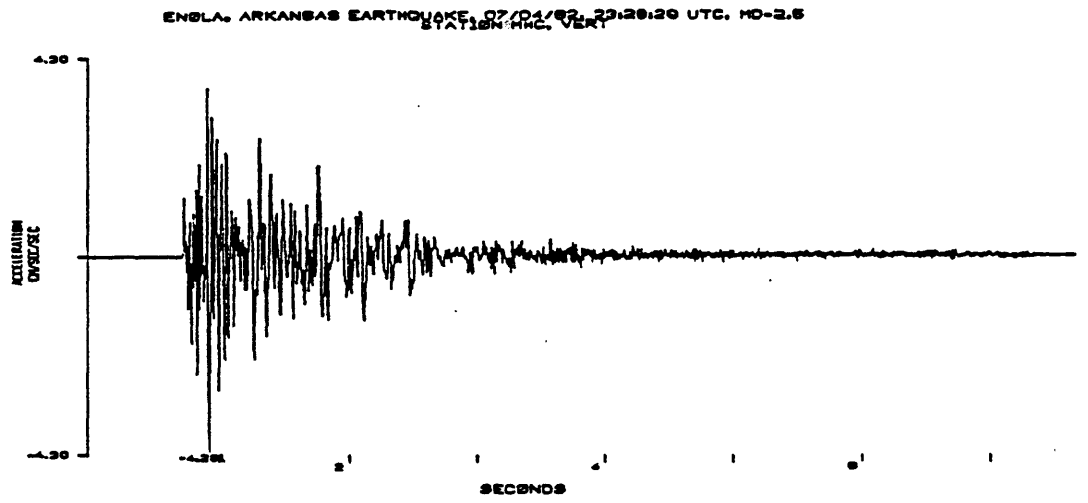
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07704/82, 23:28:20 UTC, MD-2.5
STATION HHL, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

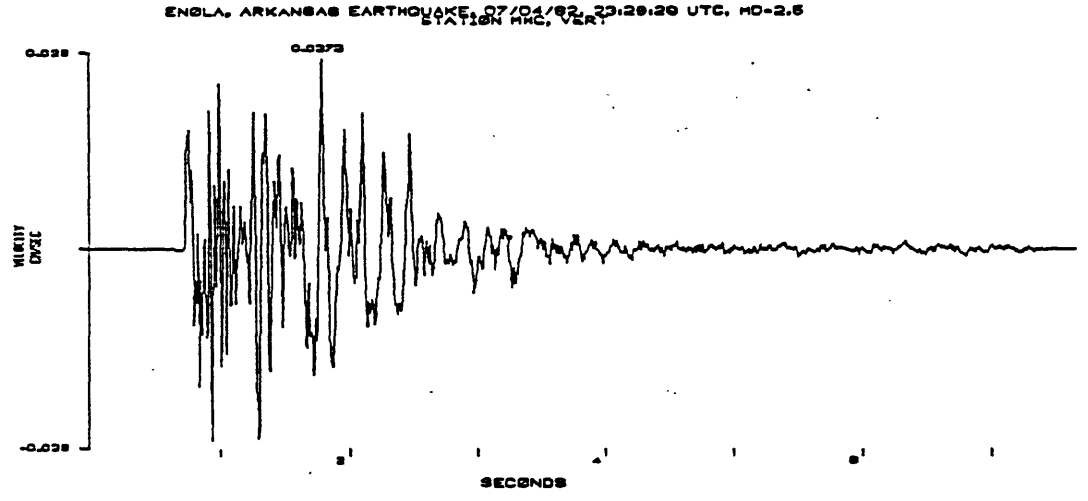


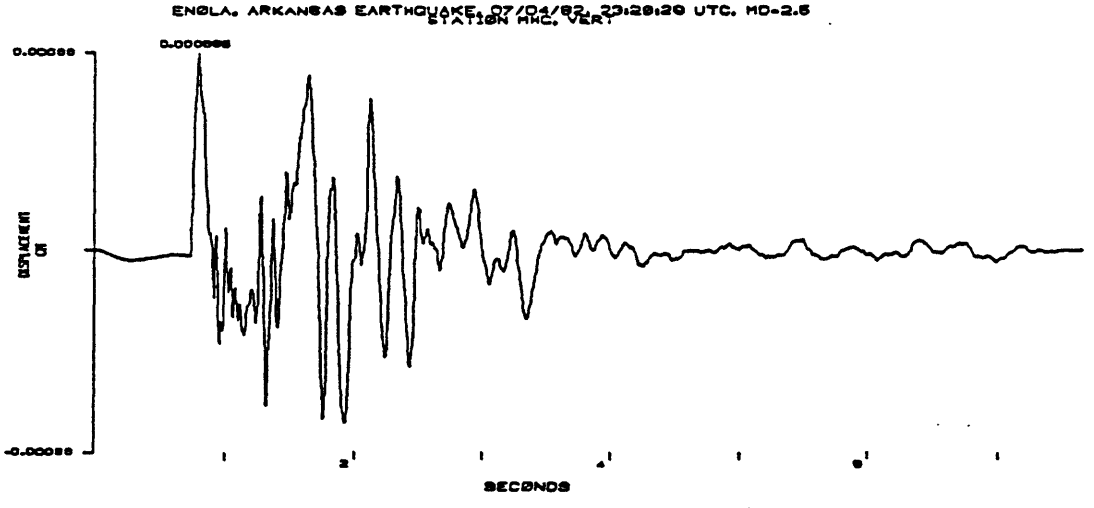

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, Md-2.5
STATIØN UHL, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

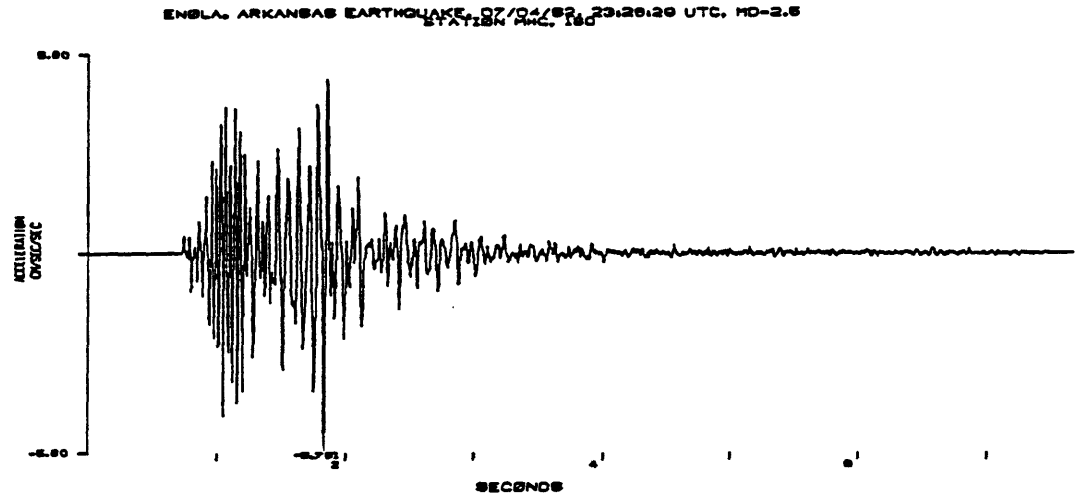

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, Md-2.5
STATIØN UHL, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

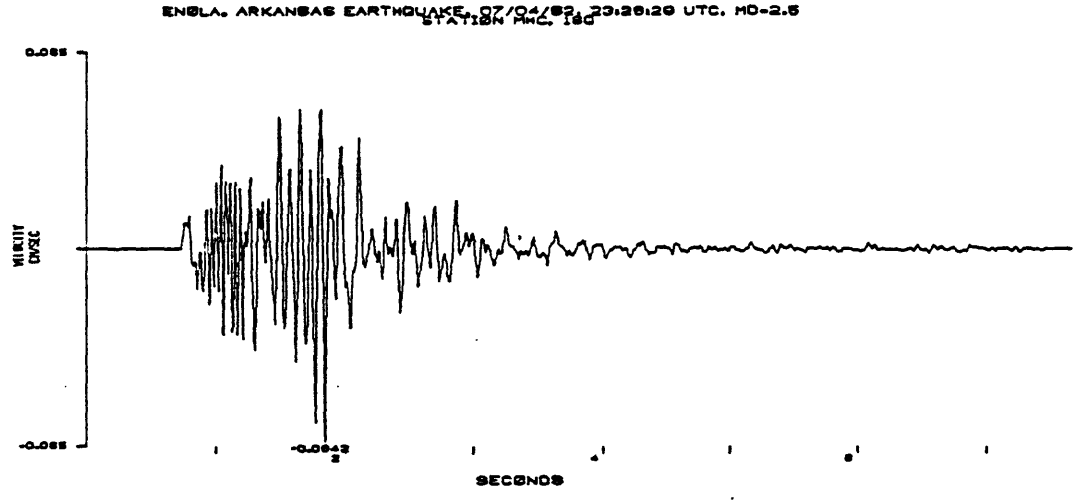

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, Md-2.5
STATIØN UHL, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

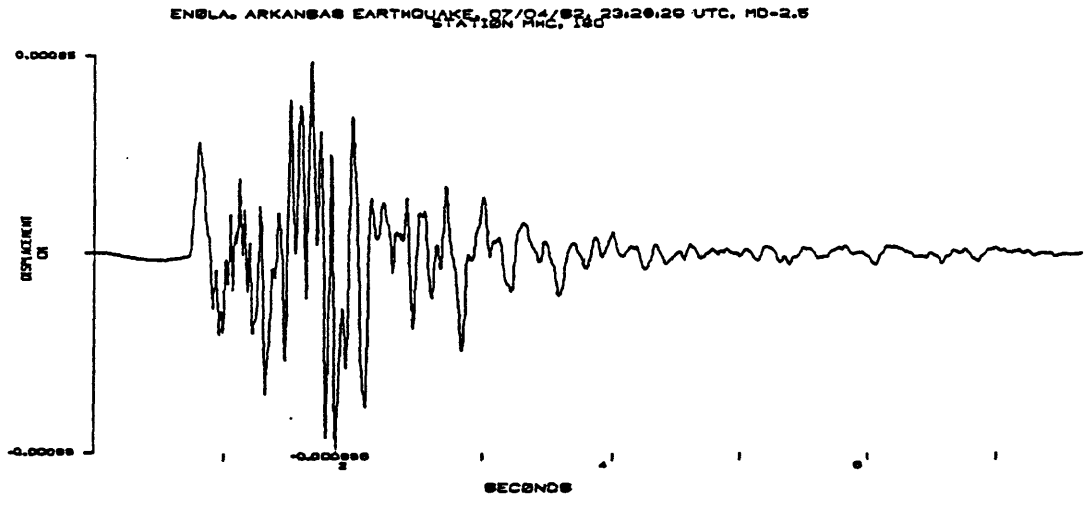

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD-2.6
STATION HHC, VERT
4.30
-4.30
ACCELERATION CM/SEC/SEC
SECONDS

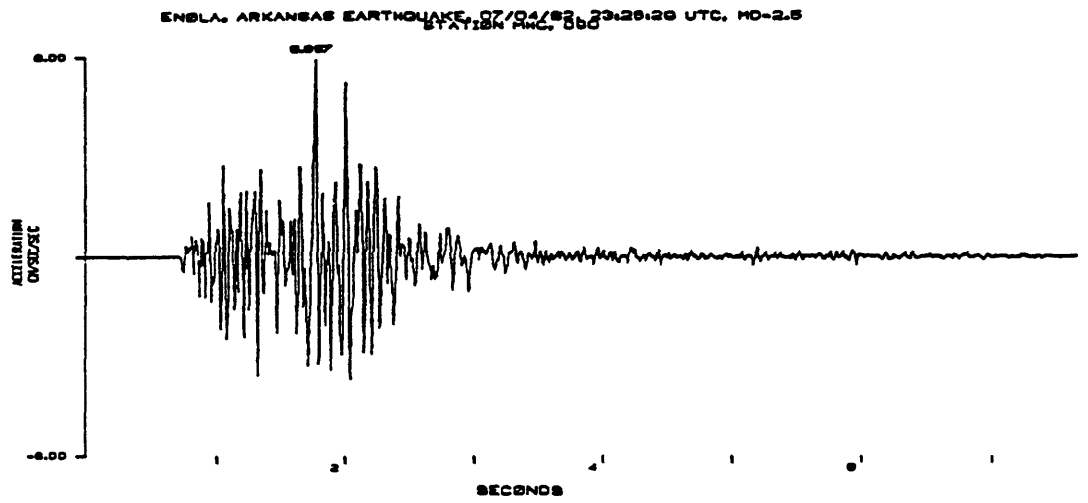

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD-2.6
STATION HHC, VERT
0.0373
-0.038
VELOCITY CM/SEC
SECONDS

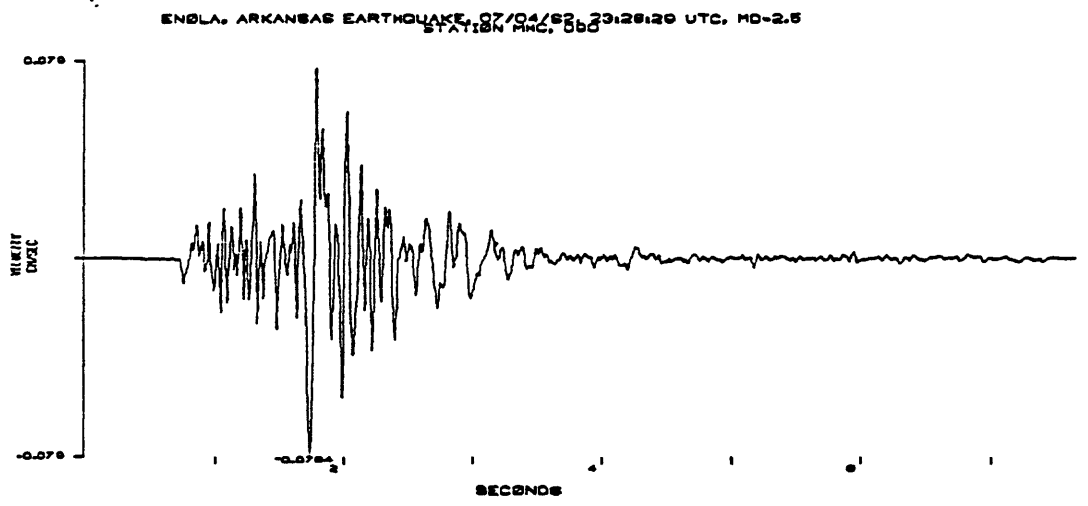

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:29:20 UTC, MD-2.6
STATION HHC, VERT
0.000088
-0.00008
DISPLACEMENT CM
SECONDS

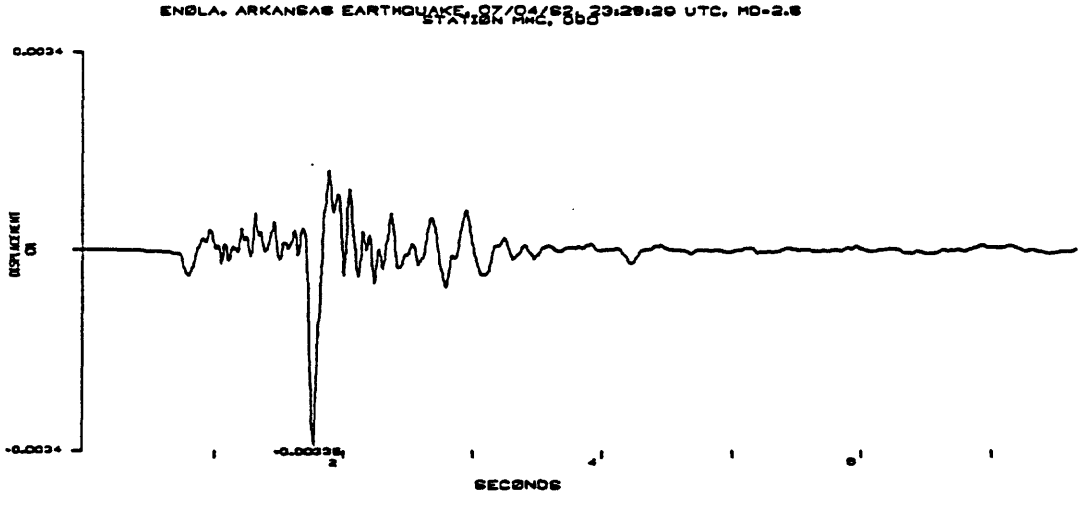

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.5
STATION MHC, I&D
SECONDS

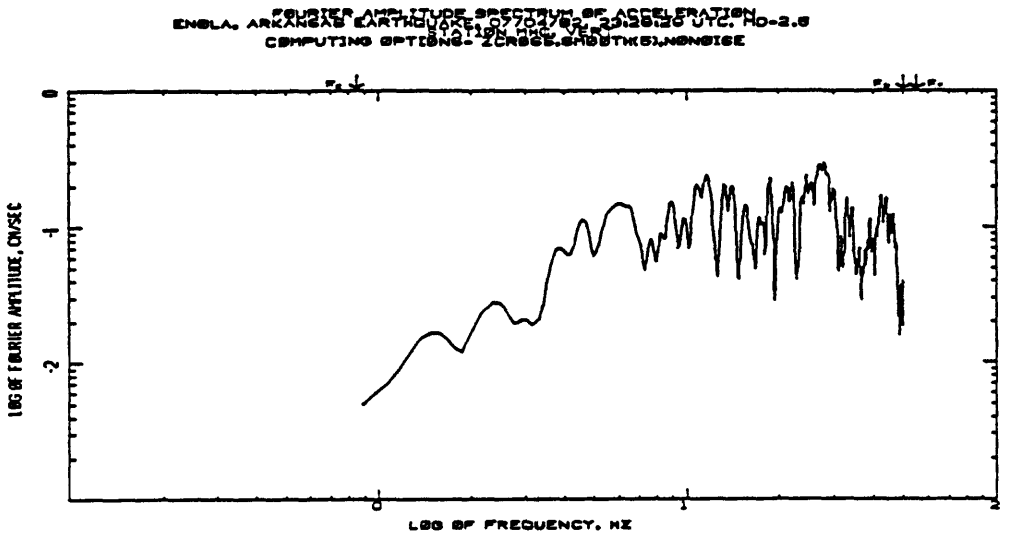

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.5
STATION MHC, I&D
SECONDS

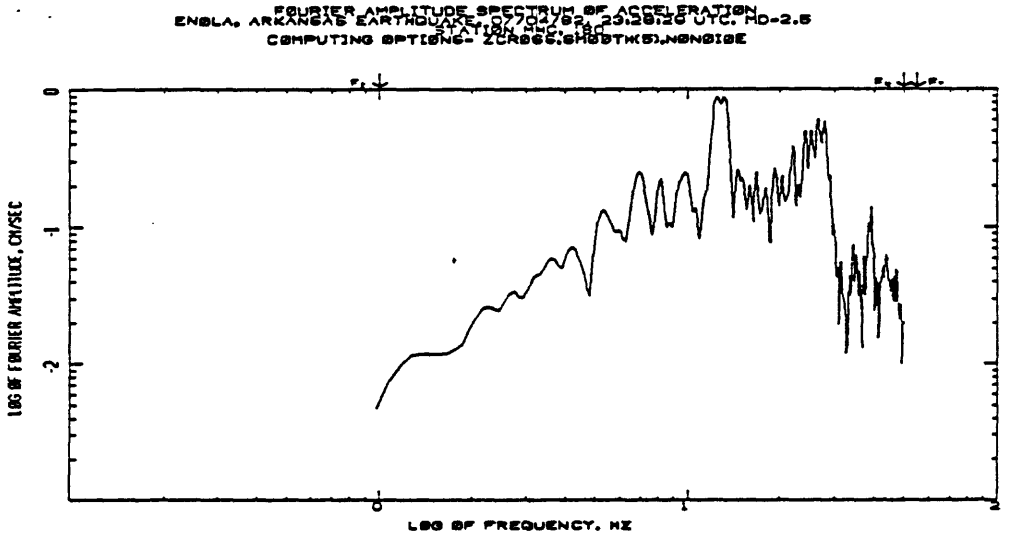

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.5
STATION MHC, I&D
SECONDS

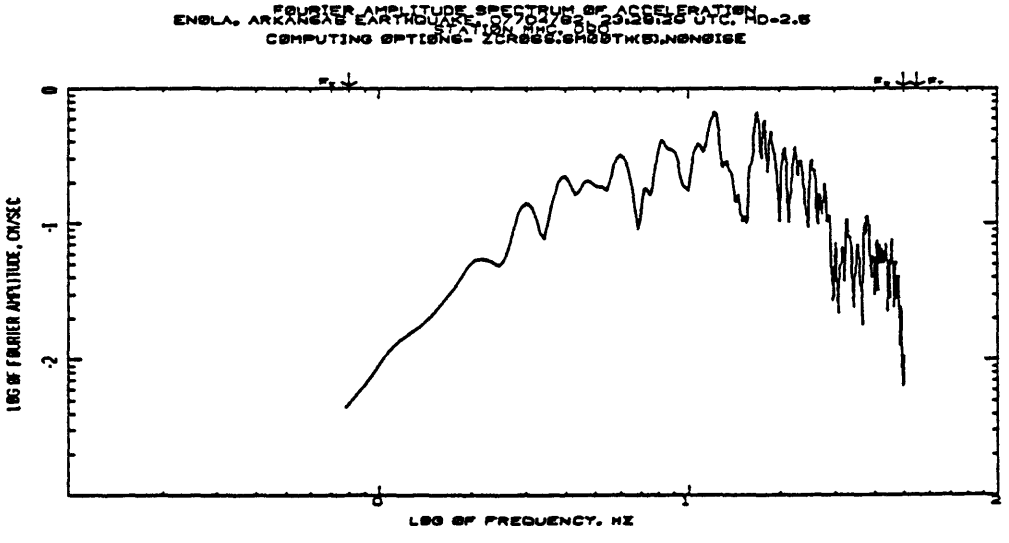

ENOLA, ARKANSAS EARTHQUAKE, 07/04/62, 23:28:20 UTC, MD=2.5
STATION MMC, OBO
6.00
-6.00
SECONDS

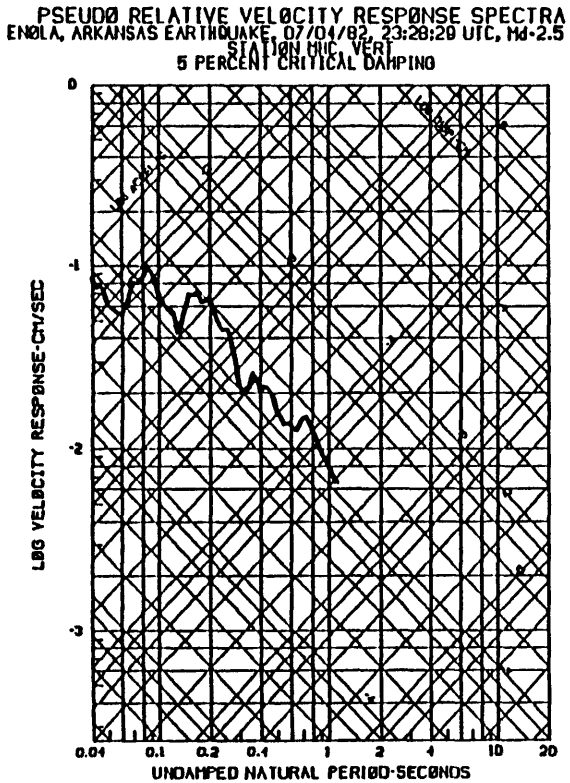

ENOLA, ARKANSAS EARTHQUAKE, 07/04/62, 23:28:20 UTC, MD=2.5
STATION MMC, OBO
0.079
-0.079
SECONDS

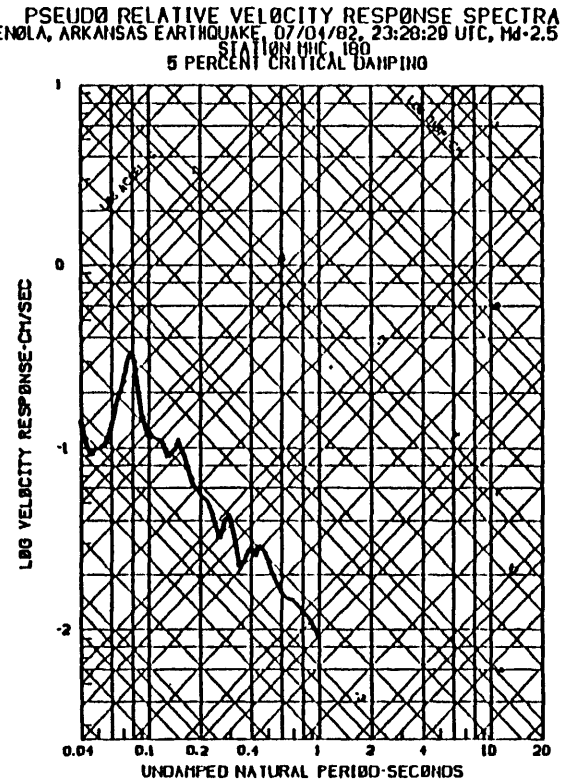

ENOLA, ARKANSAS EARTHQUAKE, 07/04/62, 23:28:20 UTC, MD=2.5
STATION MMC, OBO
0.0034
-0.0034
SECONDS

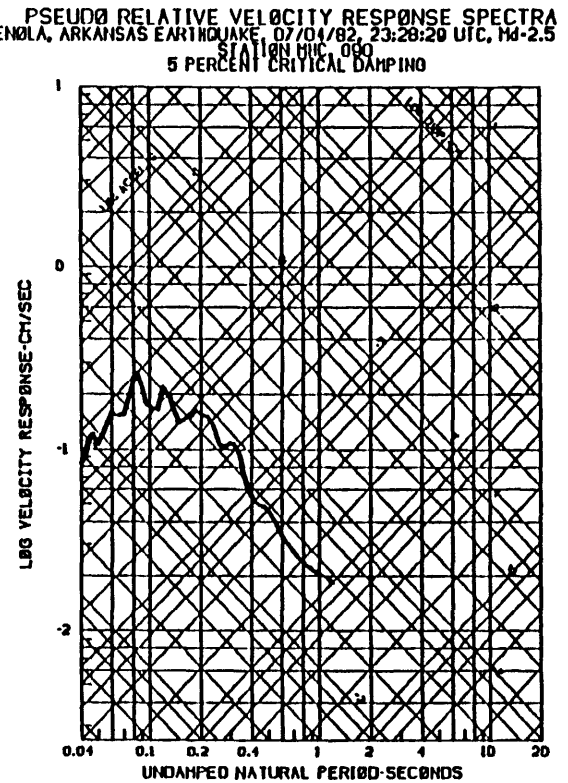

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION HHC, VER
COMPUTING OPTIONS- ZCR8CS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

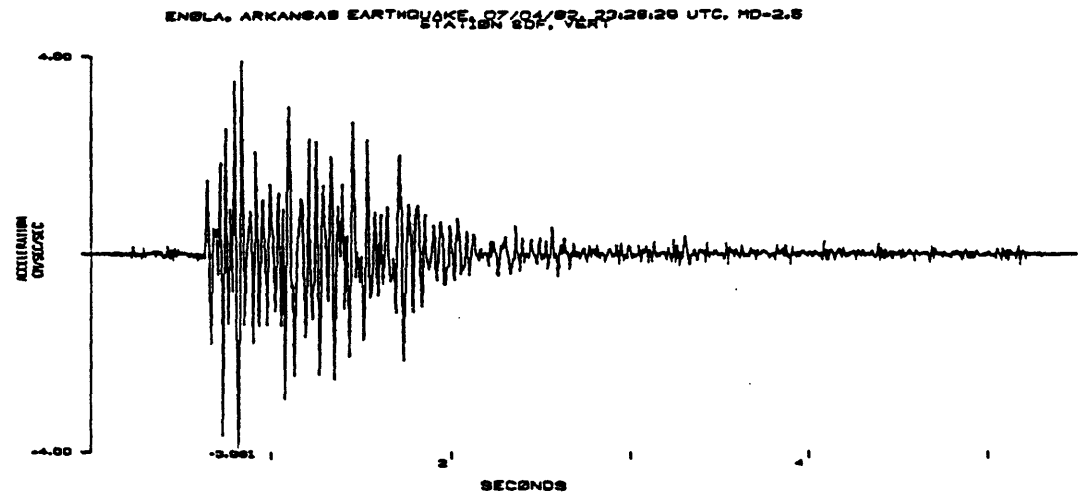

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION HHC, 180
COMPUTING OPTIONS- ZCR8CS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

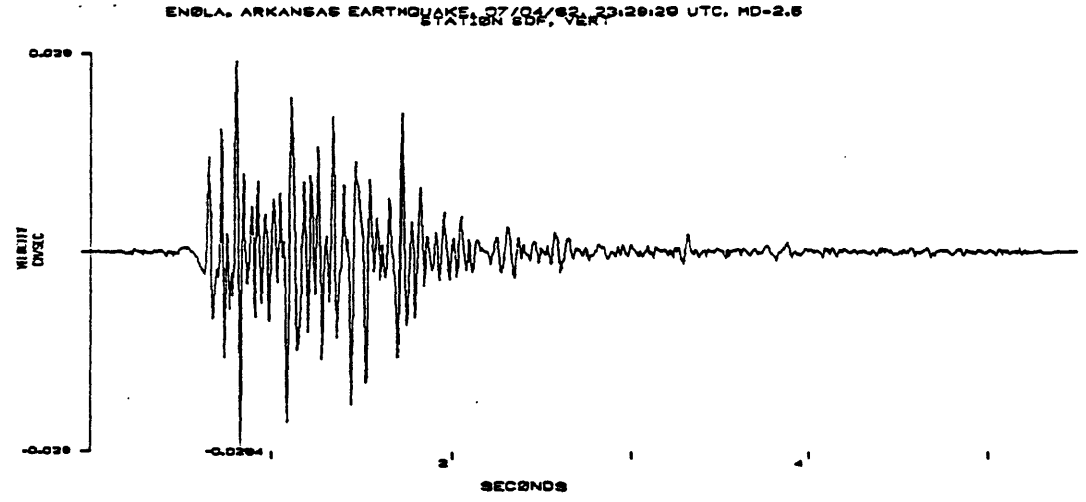

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION HHC, 090
COMPUTING OPTIONS- ZCR8CS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

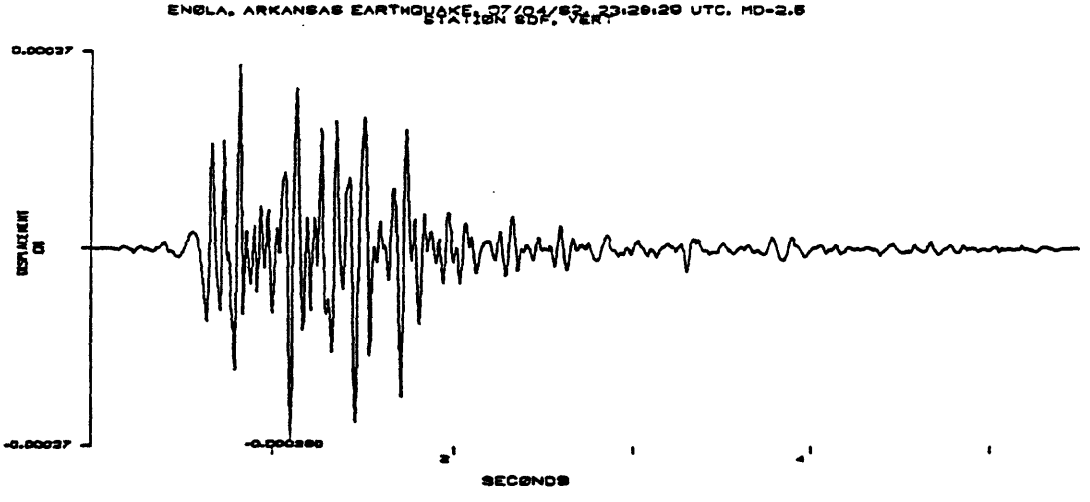

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION MUC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

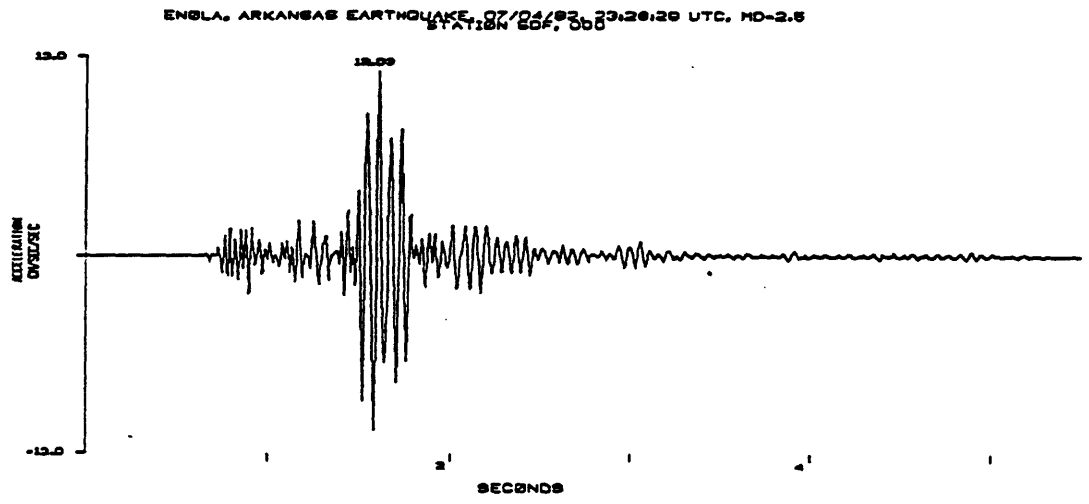

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION MUC, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

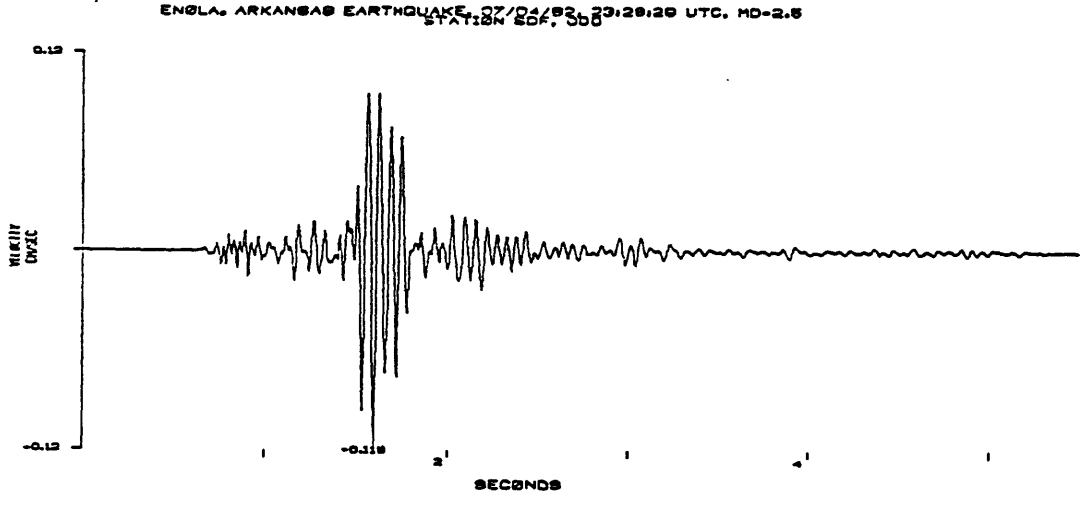

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, Md-2.5
STATION MUC, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

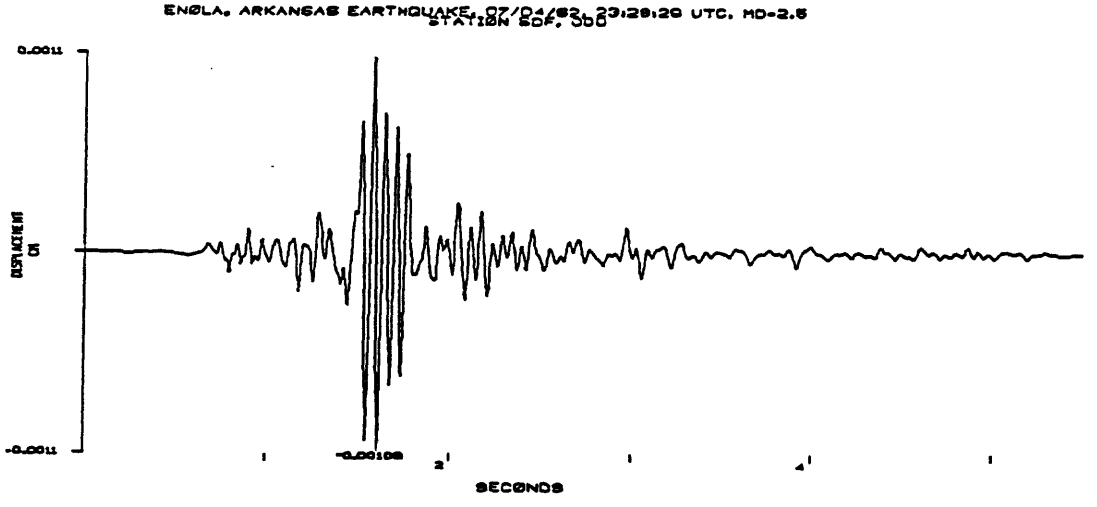

ENOLA, ARKANSAS EARTHQUAKE, 07/04/63, 23:28:20 UTC, MD-2.5
STATION EDF, VERT
4.00
-4.00
-3.991
2
4
SECONDS

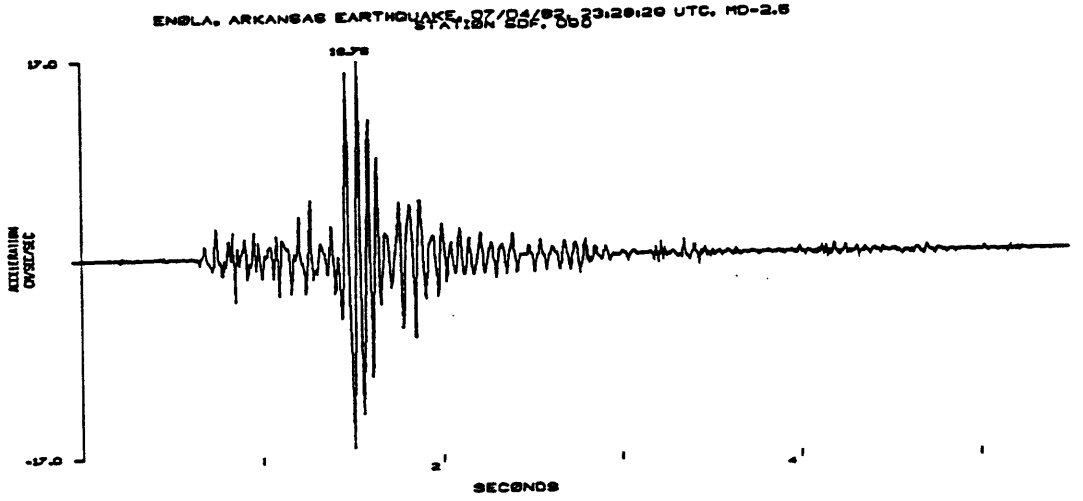

ENOLA, ARKANSAS EARTHQUAKE, 07/04/63, 23:29:20 UTC, MD-2.5
STATION EDF, VERT
0.039
-0.039
-0.0394
2
4
SECONDS

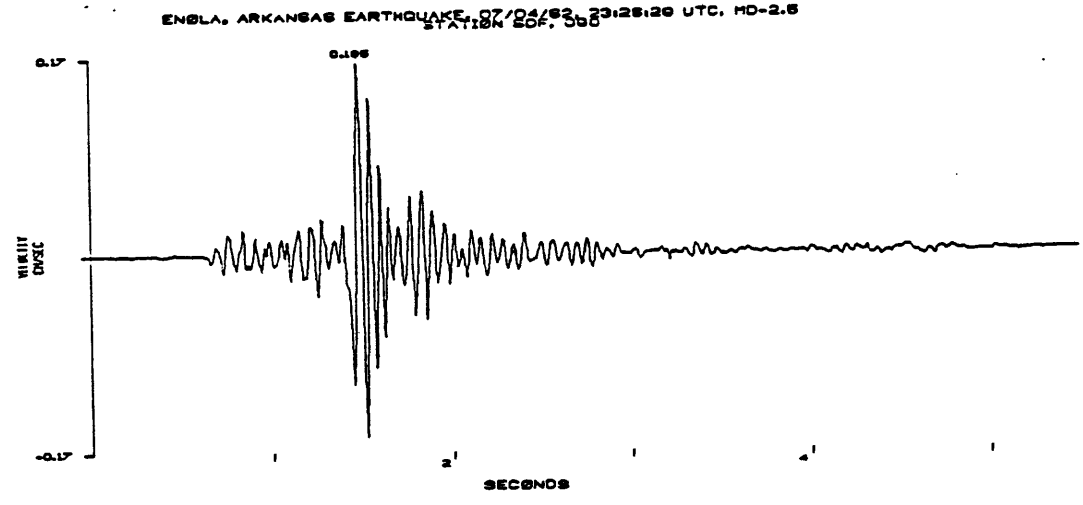

ENOLA, ARKANSAS EARTHQUAKE, 07/04/63, 23:29:20 UTC, MD-2.5
STATION EDF, VERT
0.00037
-0.00037
-0.000389
2
4
SECONDS

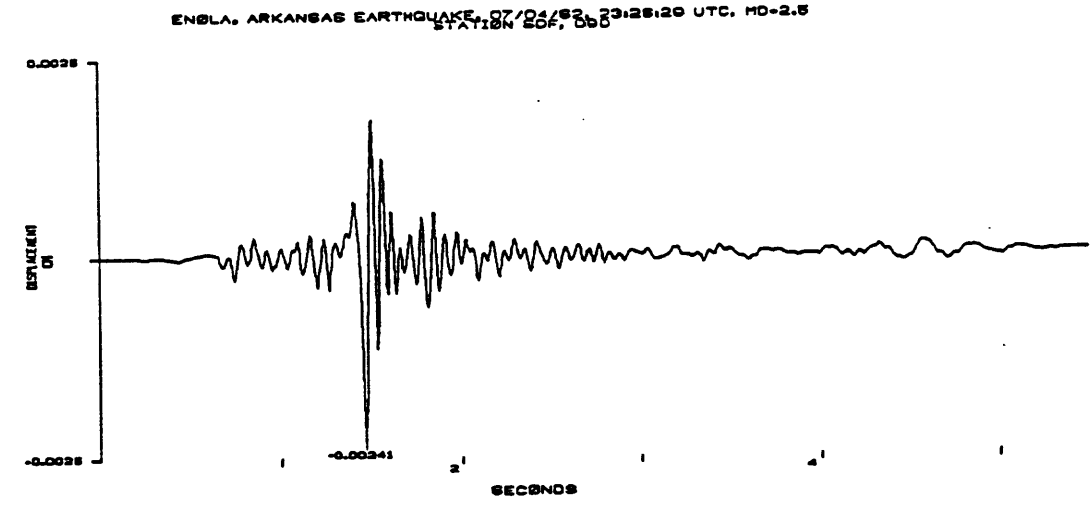

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION SDF, 000
12.0
-12.0
SECONDS

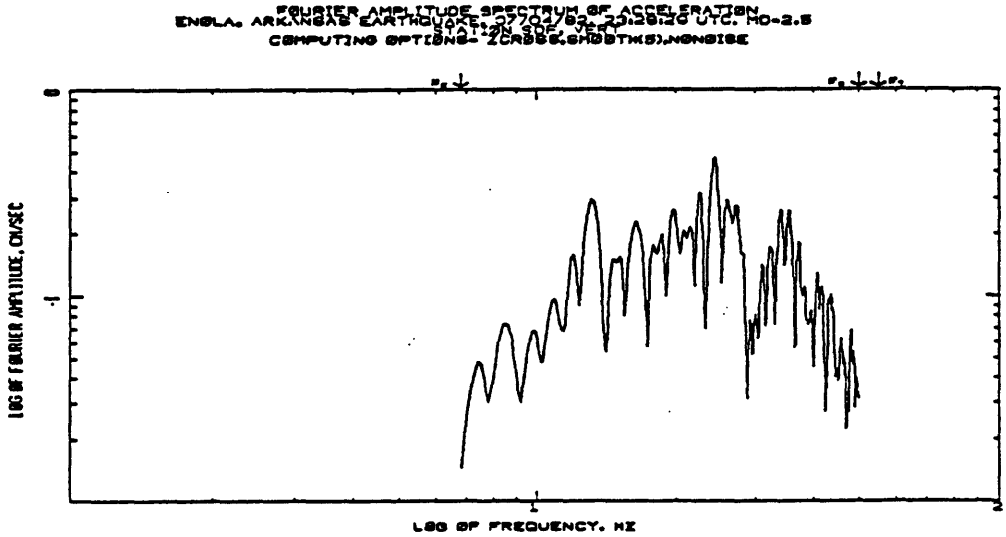

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION SDF, 000
0.12
-0.12
SECONDS

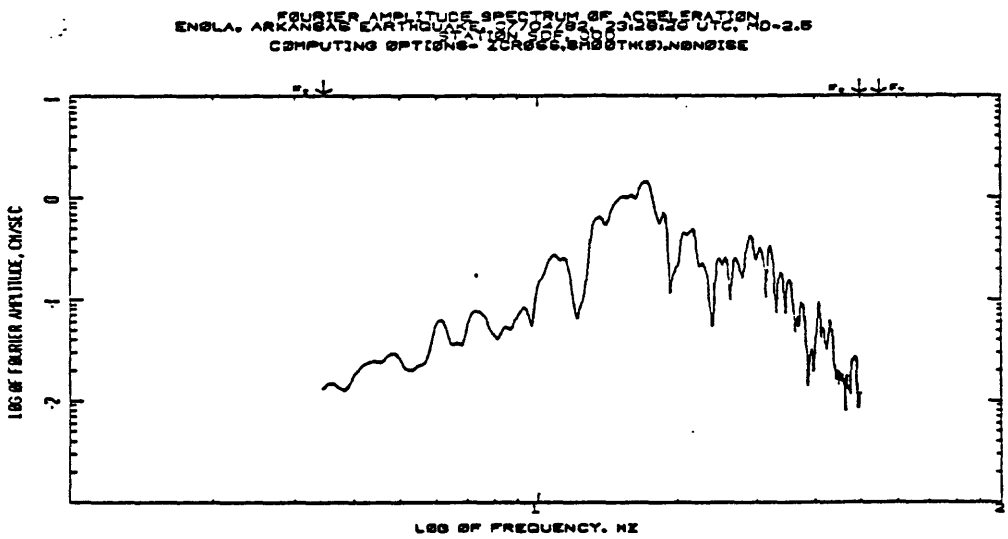

ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD=2.5
STATION SDF, 000
0.0011
-0.0011
SECONDS

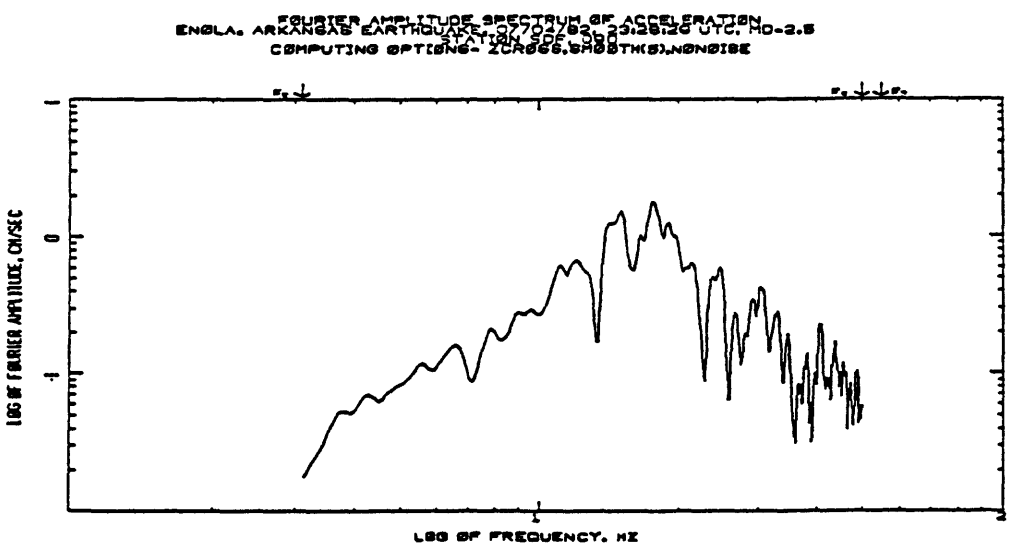

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATIØN SDF, 000
17.0
-17.0
SECØNDS

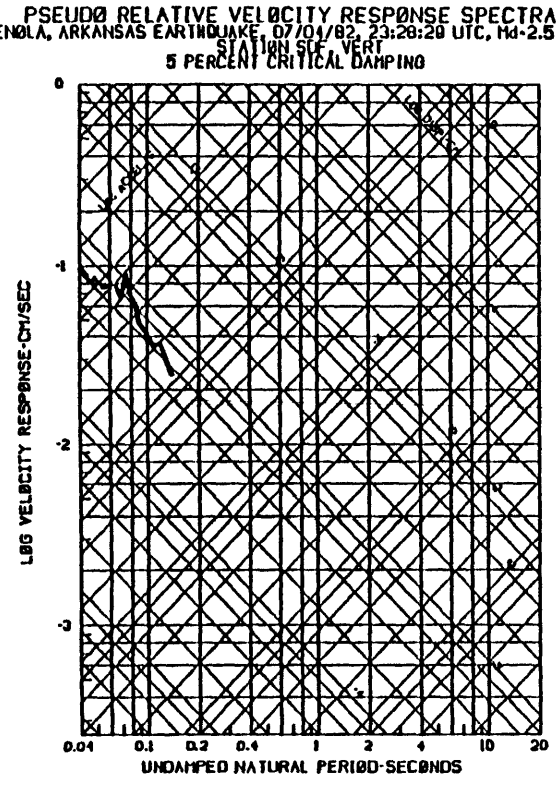

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATIØN SDF, 000
0.17
-0.17
SECØNDS

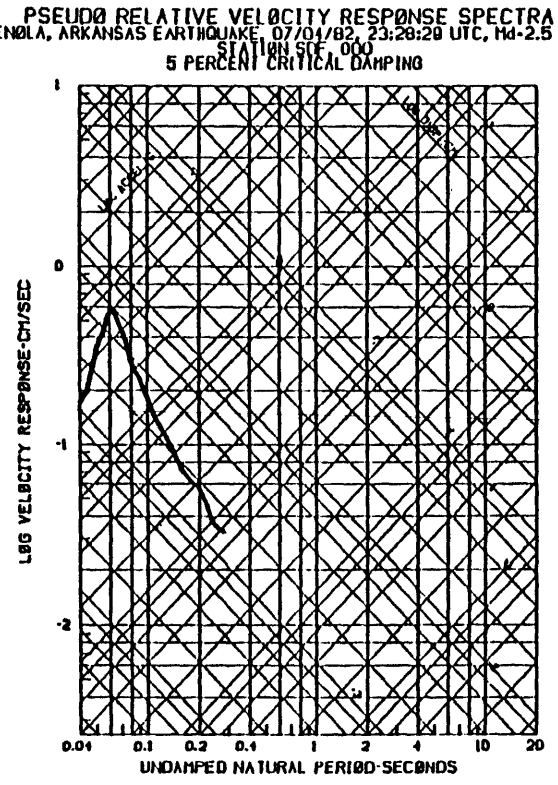

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATIØN SDF, 000
0.0025
-0.0025
-0.00241
SECØNDS

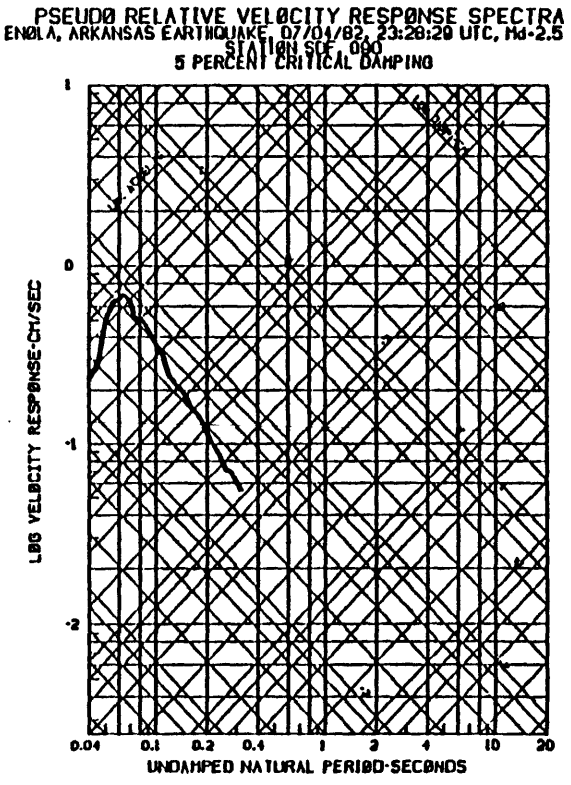

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATION SDF, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

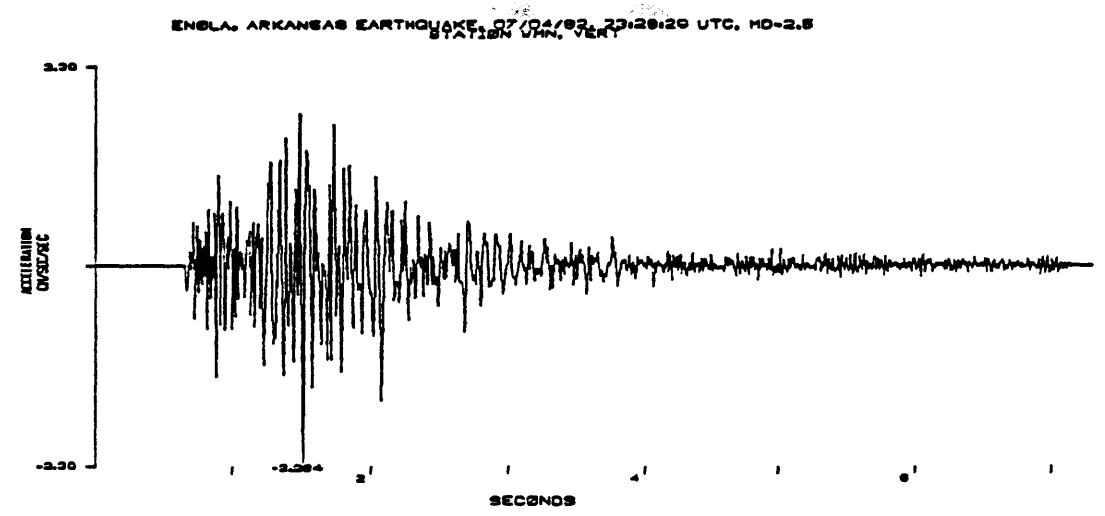

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATION SDF, SOD
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

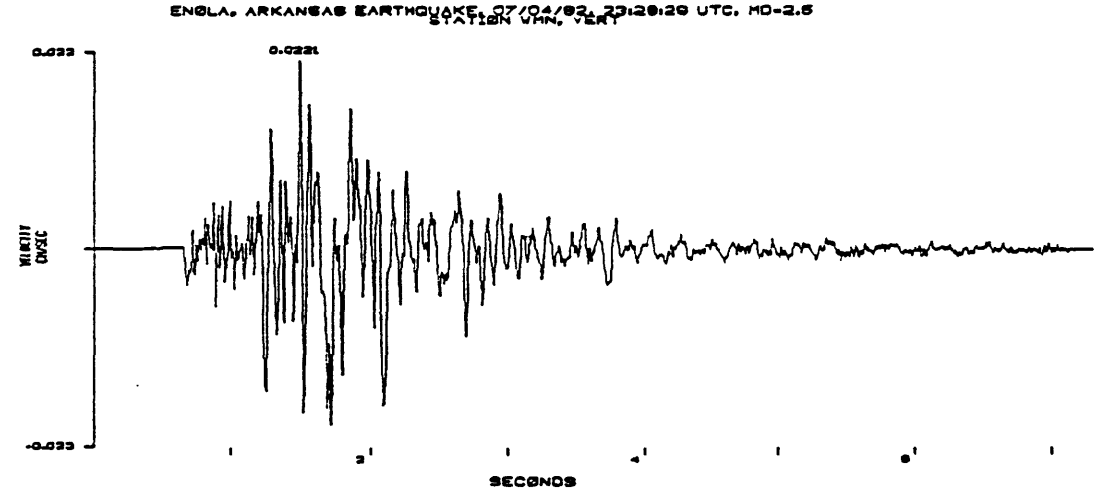

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:20 UTC, MD-2.5
STATION SDF, SOD
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

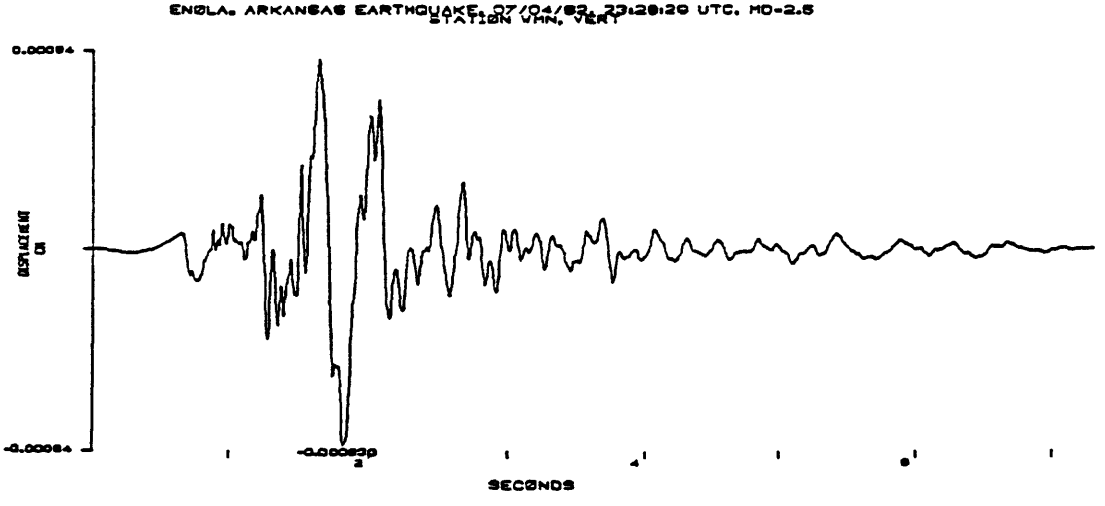

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE 07/01/82, 23:28:29 UTC, Md-2.5
STATIØN SCE VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

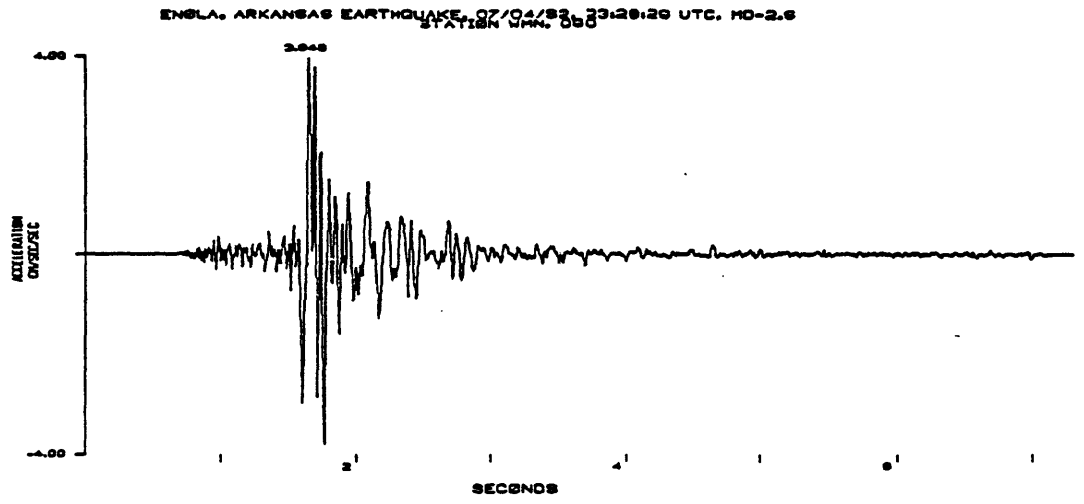

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE 07/01/82, 23:28:29 UTC, Md-2.5
STATIØN SCE 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

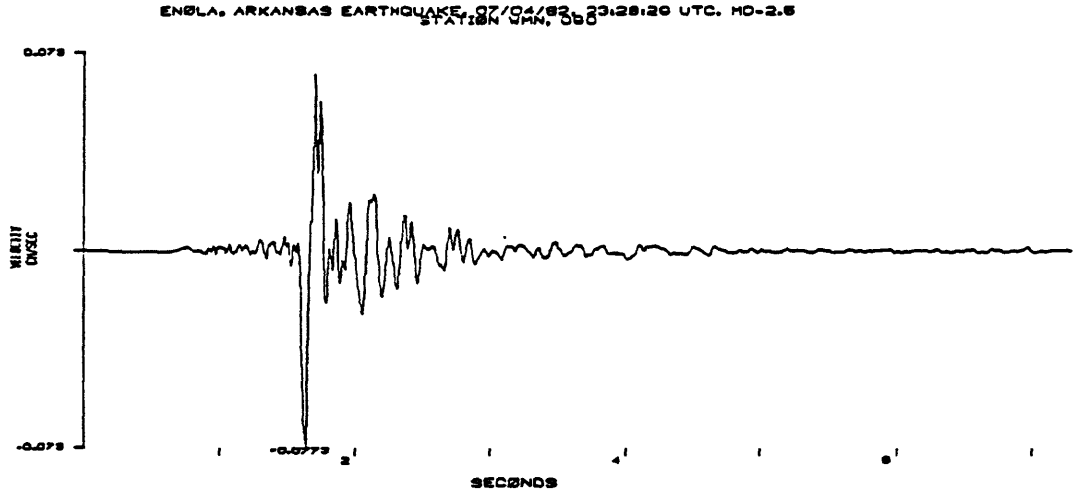

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE 07/01/82, 23:28:29 UTC, Md-2.5
STATIØN SCE 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

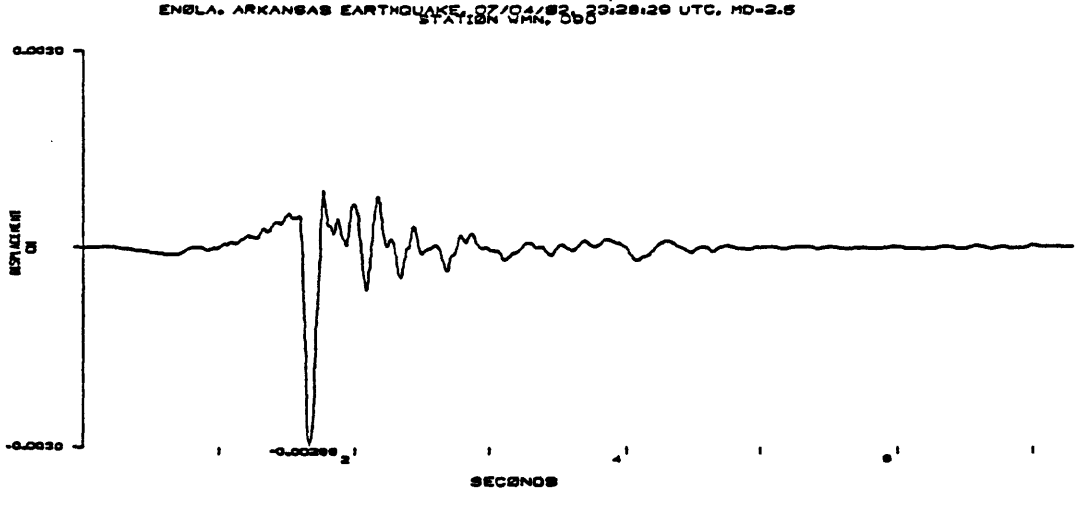

ENOLA, ARKANSAS EARTHQUAKE 07/04/82, 23:28:29 UTC, MD=2.5
STATION VHN, VERT
3.30
-3.30
-2.264
2
4
6
SECONDS

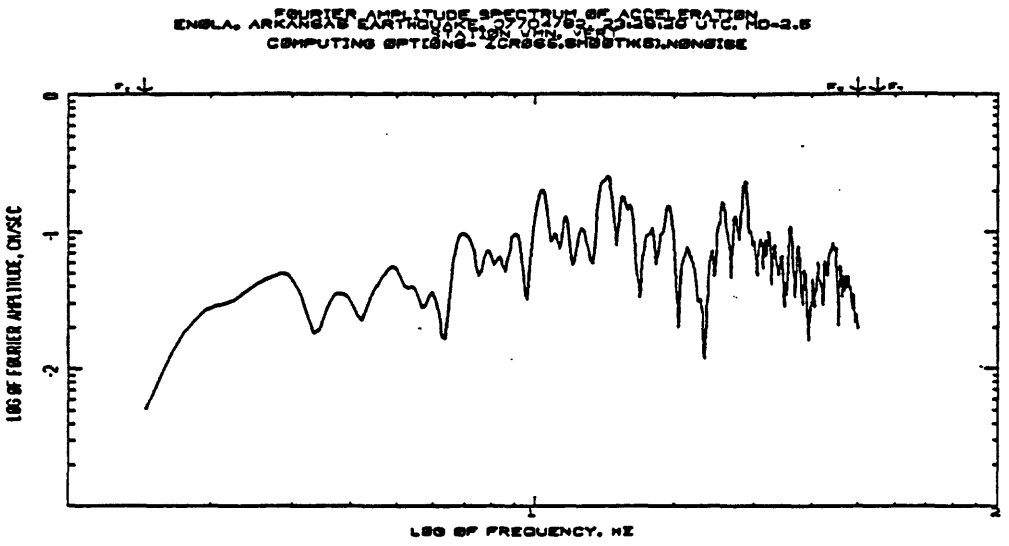

ENOLA, ARKANSAS EARTHQUAKE 07/04/82, 23:28:29 UTC, MD=2.5
STATION VHN, VERT
0.033
0.0221
-0.033
2
4
6
SECONDS

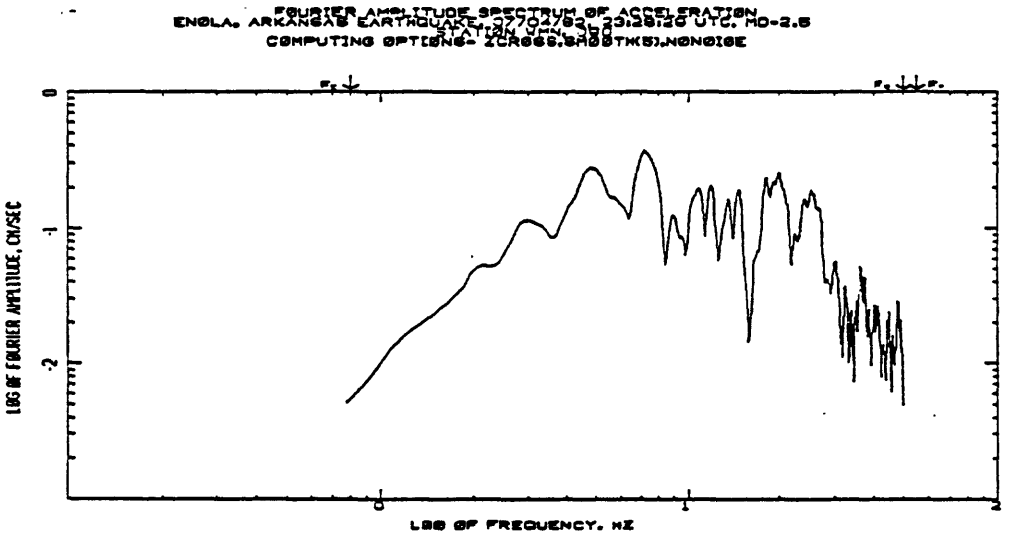

ENOLA, ARKANSAS EARTHQUAKE 07/04/82, 23:28:29 UTC, MD=2.5
STATION VHN, VERT
0.00084
-0.00084
-0.000829
2
4
6
SECONDS

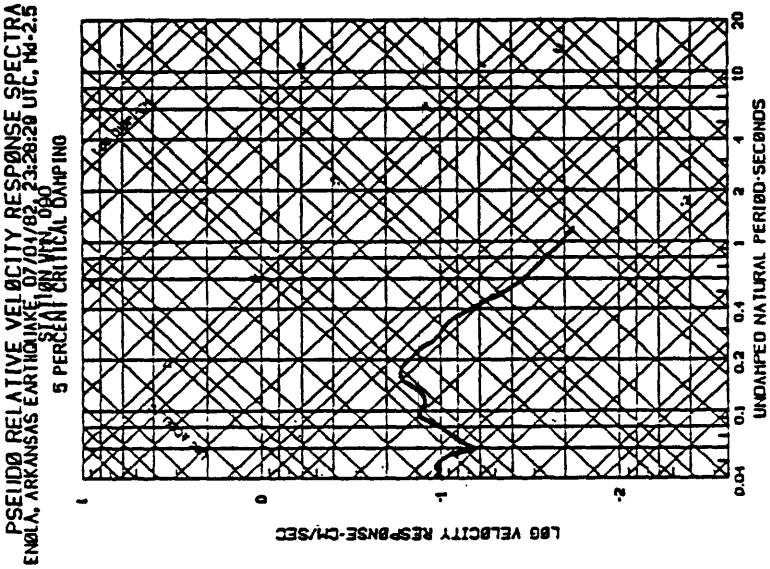

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.6
STATIØN WMN, DBD
4.00
-4.00
ACCELERATION CM/SEC/SEC
SECØNDS

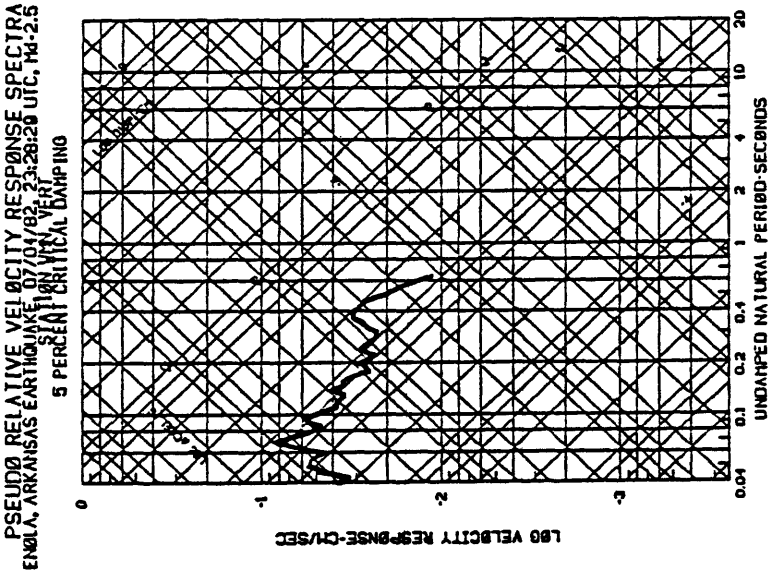

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.6
STATIØN WMN, DBD
0.075
-0.075
VELOCITY CM/SEC
SECØNDS

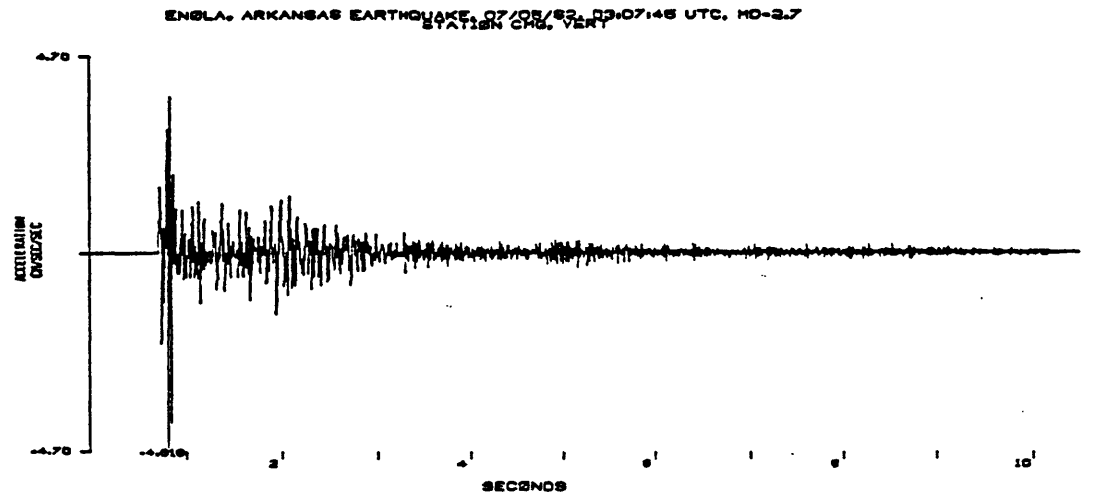

ENØLA, ARKANSAS EARTHQUAKE, 07/04/82, 23:28:29 UTC, MD-2.6
STATIØN WMN, DBD
0.0030
-0.0030
DISPLACEMENT CM
SECØNDS

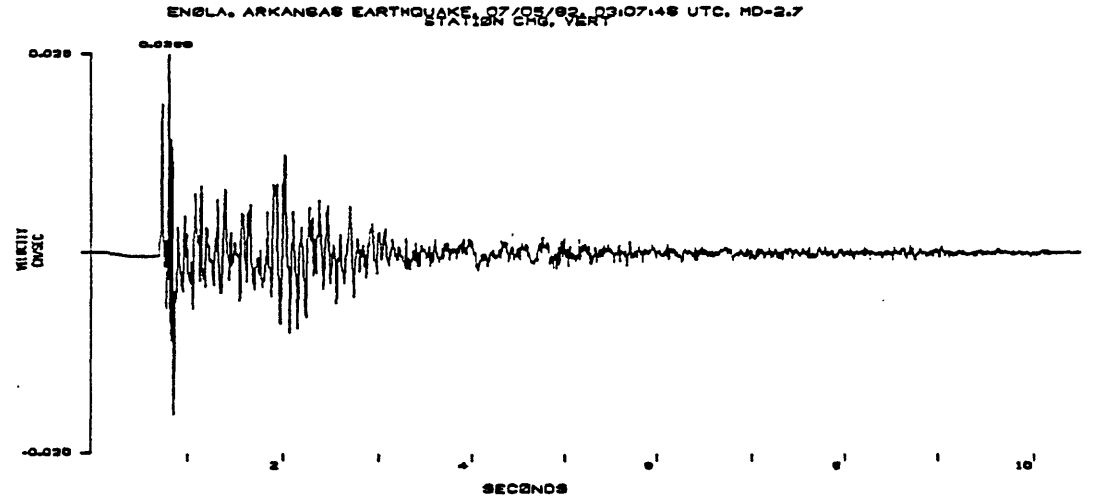

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 37704/82, 23:28:20 UTC, MD-2.5
STATION VMN, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

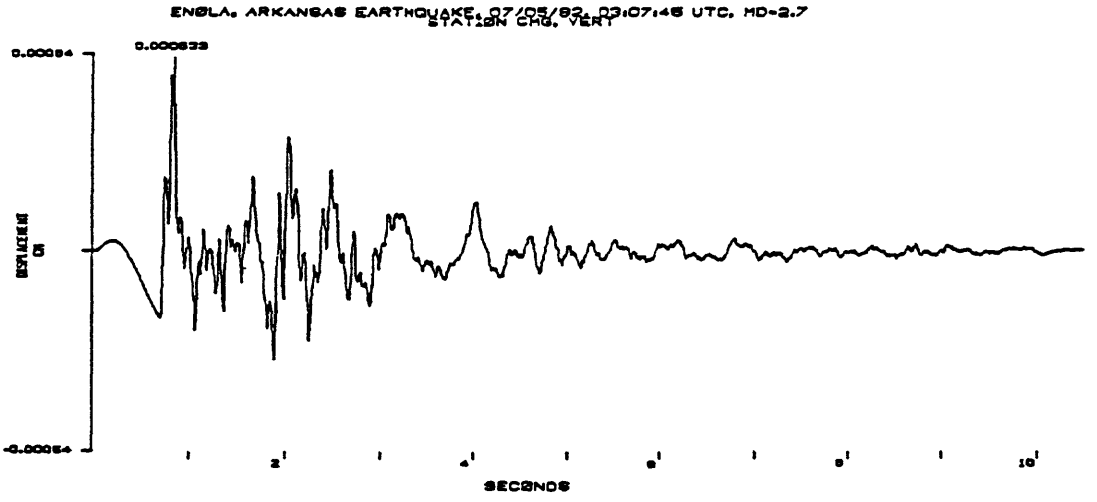

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 37704/82, 23:28:20 UTC, MD-2.5
STATION VMN, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

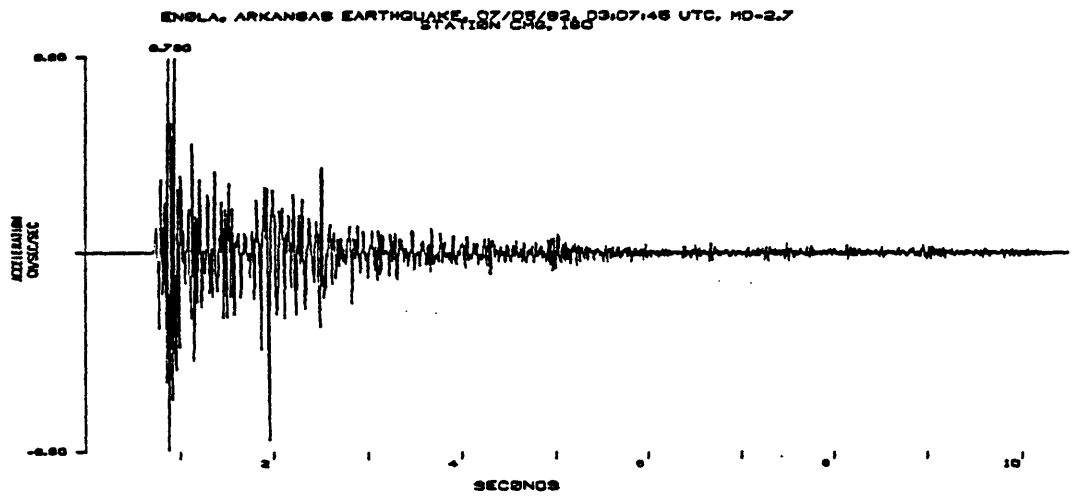

PSEUDO RELATIVE VELOCITY RESPONSE SPECTRA
ENOLA, ARKANSAS EARTHQUAKE 07/04/82, 23:28:20 UTC, MJ-2.5
5 PERCENT CRITICAL DAMPING
LOG VELOCITY RESPONSE-CM/SEC
UNDAMPED NATURAL PERIOD-SECONDS

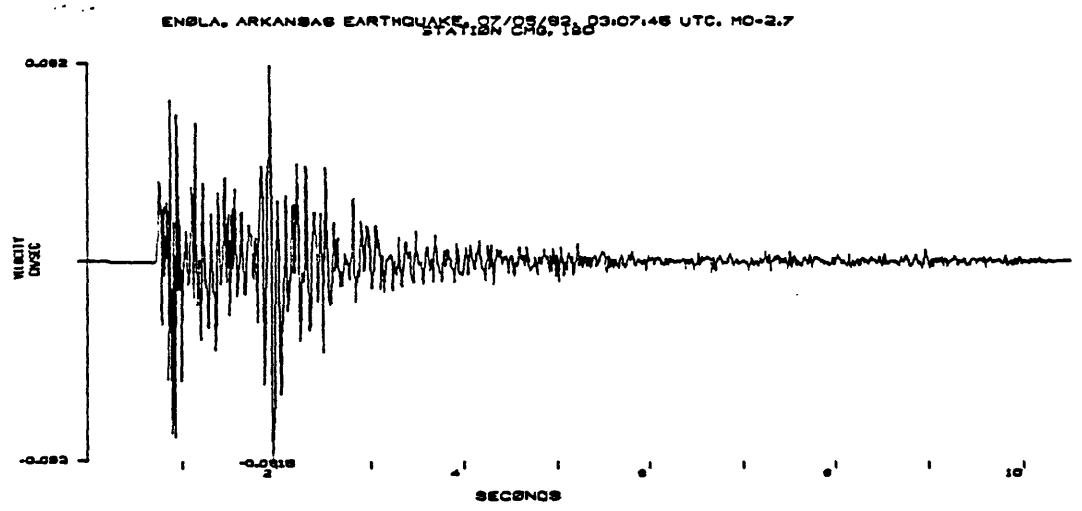

PSEUDO RELATIVE VELOCITY RESPONSE SPECTRA
ENOLA, ARKANSAS EARTHQUAKE 07/04/82, 23:28:20 UTC, MJ-2.5
5 PERCENT CRITICAL DAMPING
LOG VELOCITY RESPONSE-CM/SEC
UNDAMPED NATURAL PERIOD-SECONDS

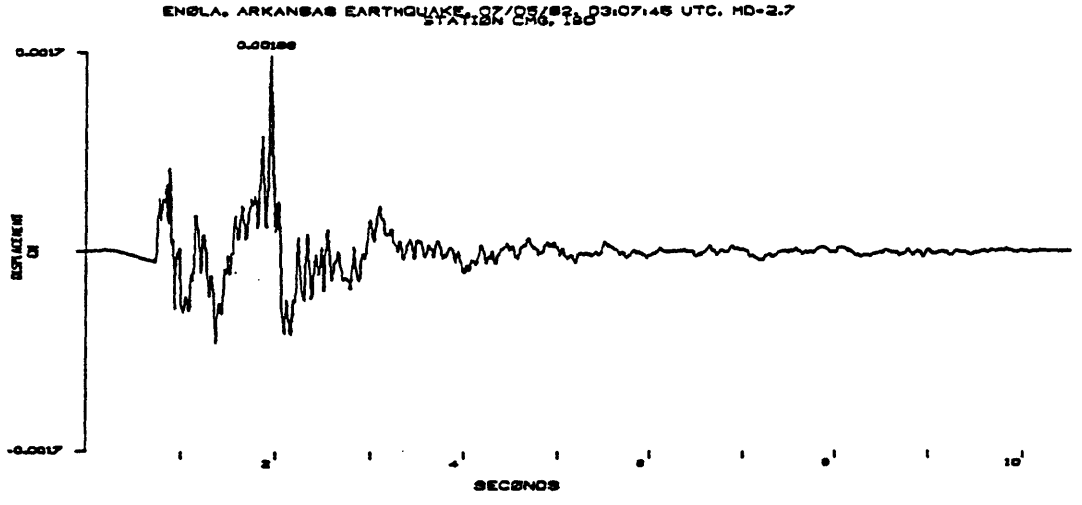

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION CHG, VERT
4.70
-4.70
SECONDS

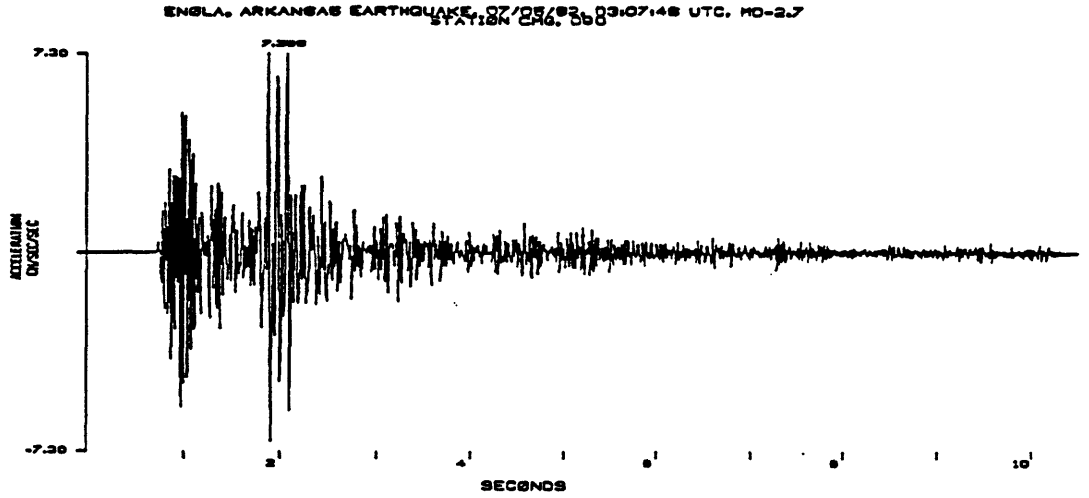

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION CHG, VERT
0.039
-0.039
SECONDS

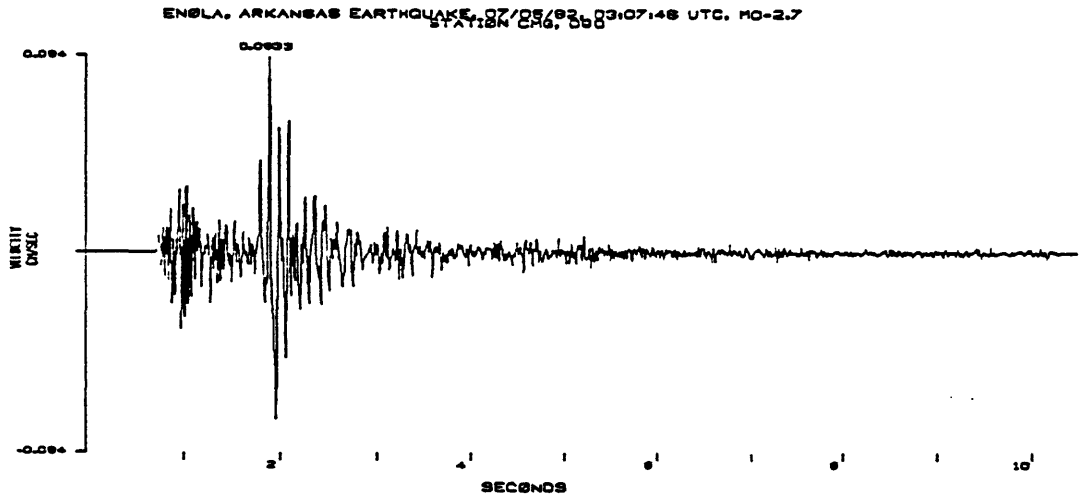

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION CHG, VERT
0.000633
-0.000634
SECONDS

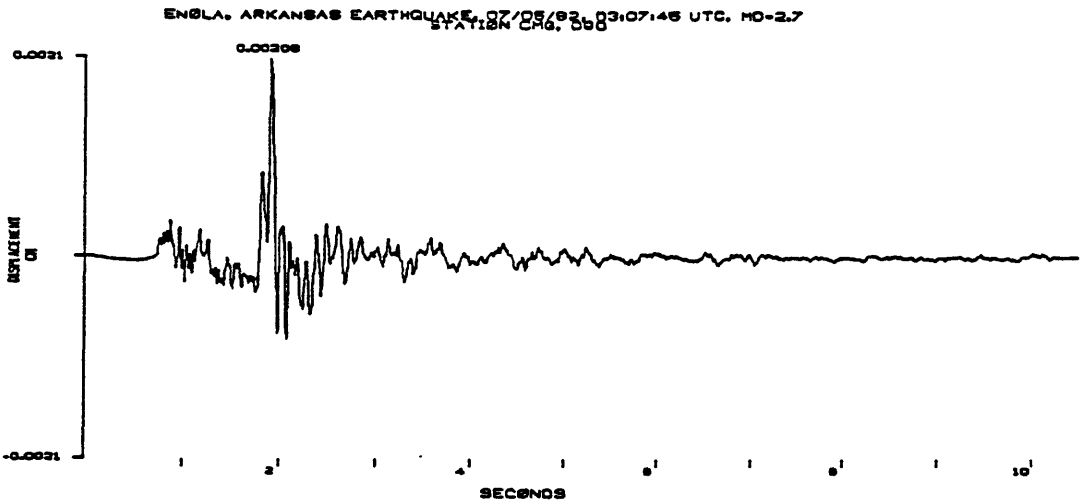

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION CHG, ISO
SECØNDS

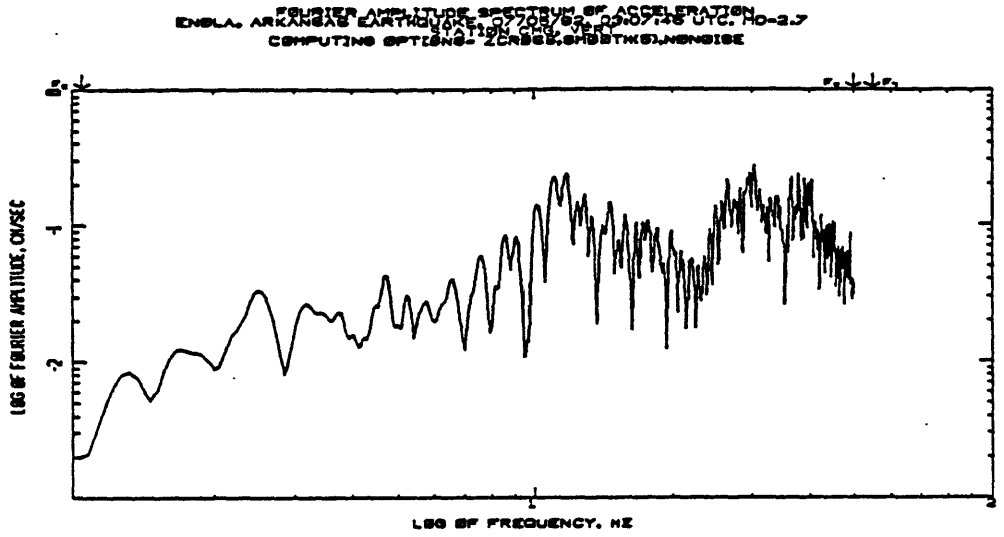

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION CHG, ISO
SECØNDS

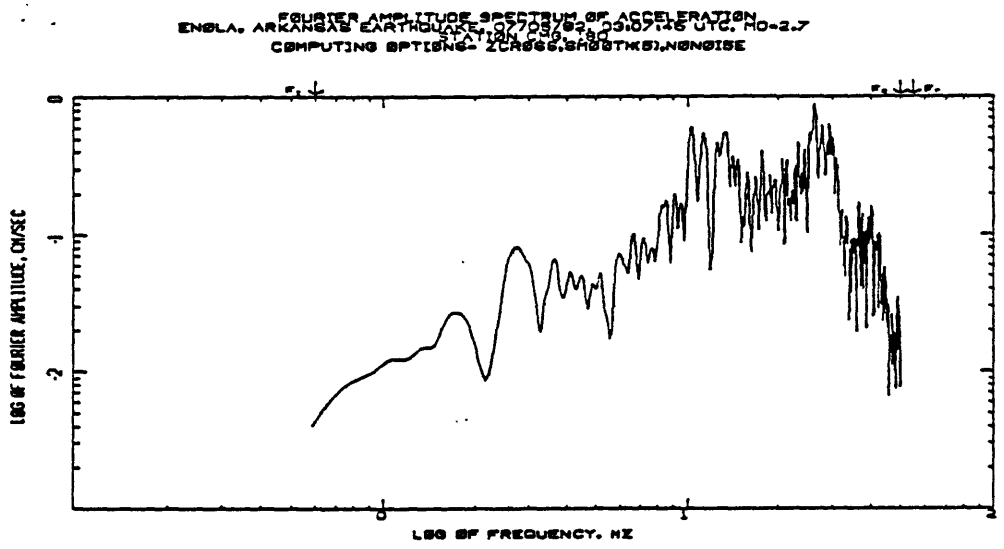

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION CHG, ISO
SECØNDS

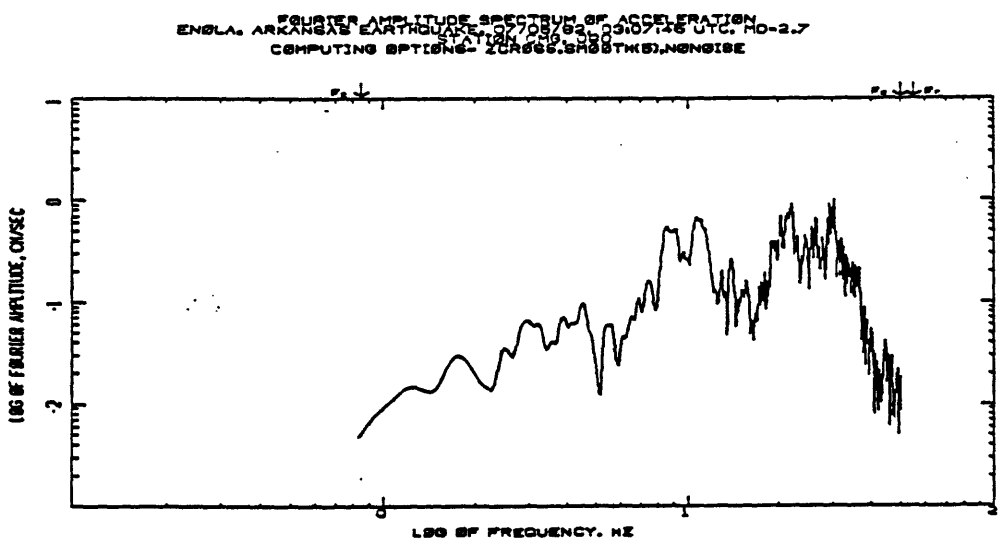

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD-2.7
STATIØN CMG, DDO
7.30
-7.30
ACCELERATION
CM/SEC/SEC
SECØNDS

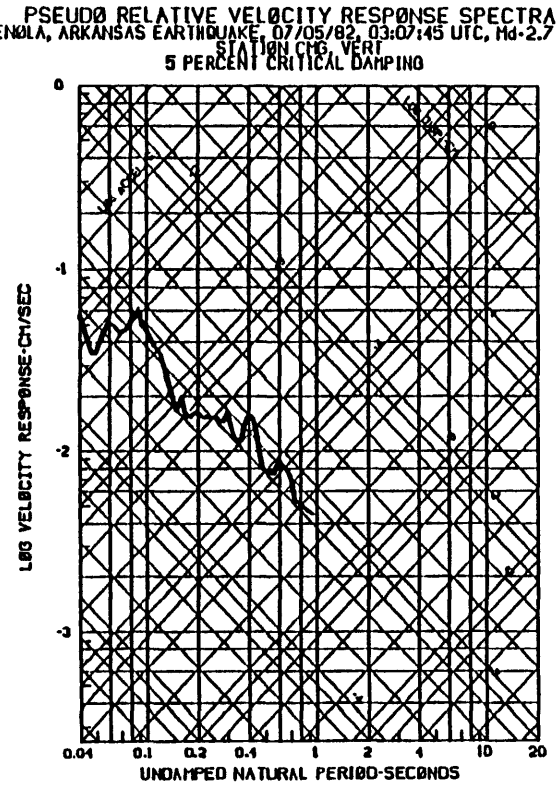

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD-2.7
STATIØN CMG, DDO
0.094
-0.094
VELOCITY
CM/SEC
SECØNDS

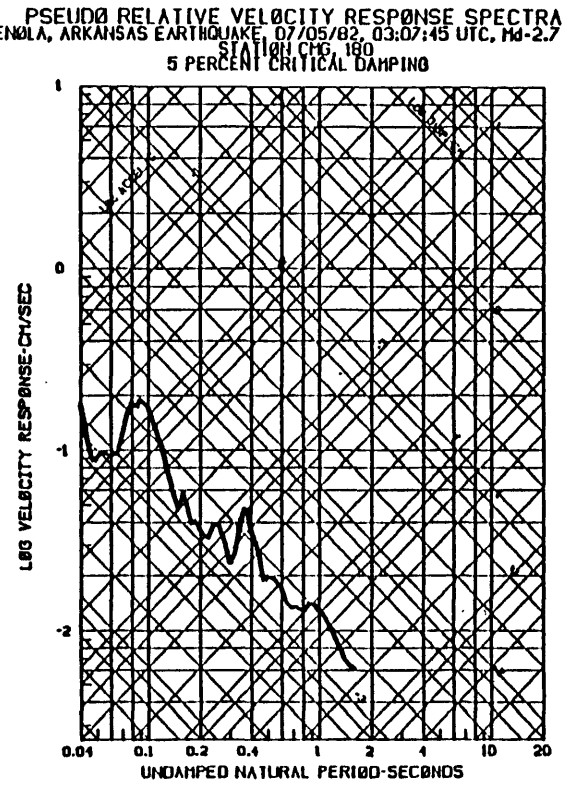

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD-2.7
STATIØN CMG, DDO
0.0021
-0.0021
DISPLACEMENT
CM
SECØNDS

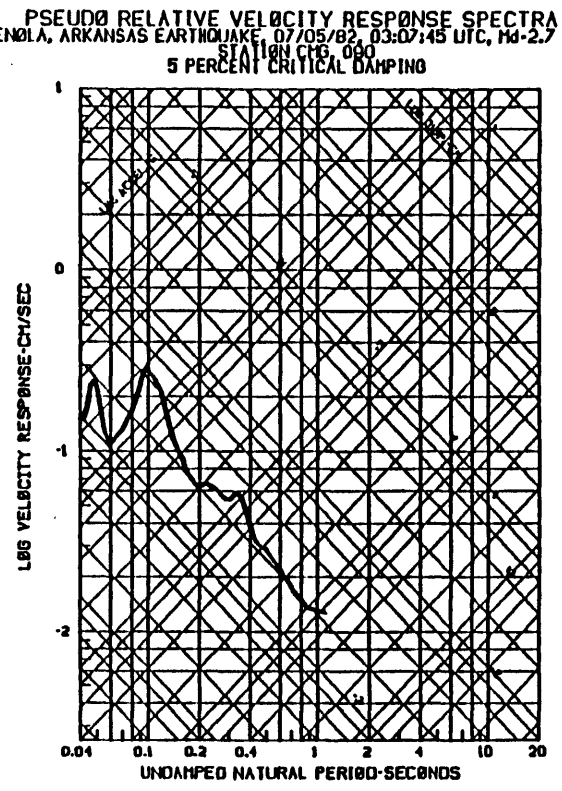

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 03:07:46 UTC, MO=2.7
STATION CHG, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

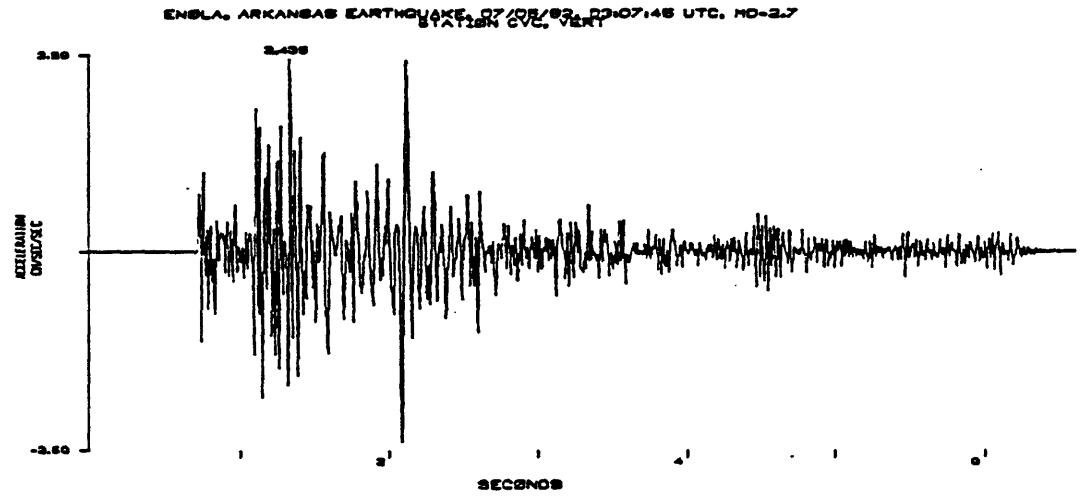

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 03:07:46 UTC, MO=2.7
STATION CHG, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

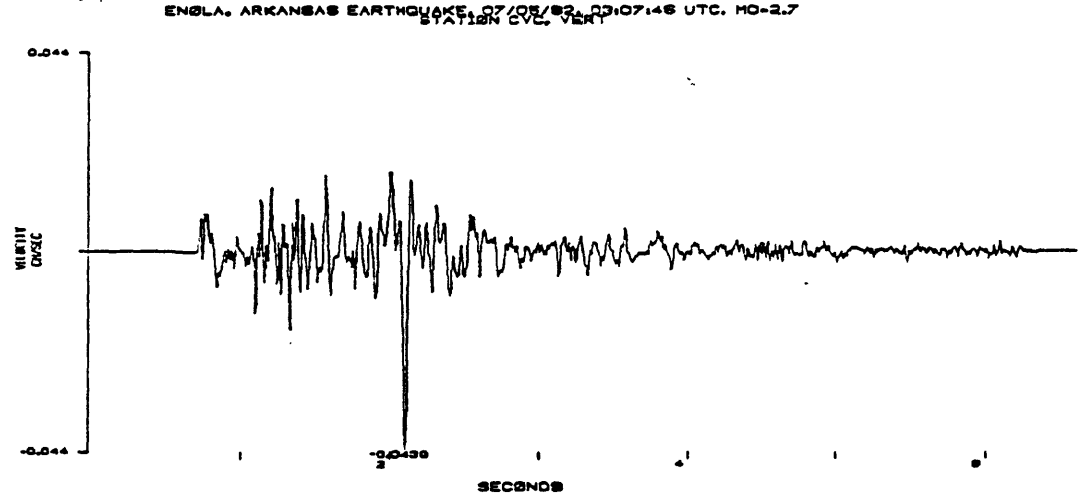

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 03:07:46 UTC, MO=2.7
STATION CHG, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

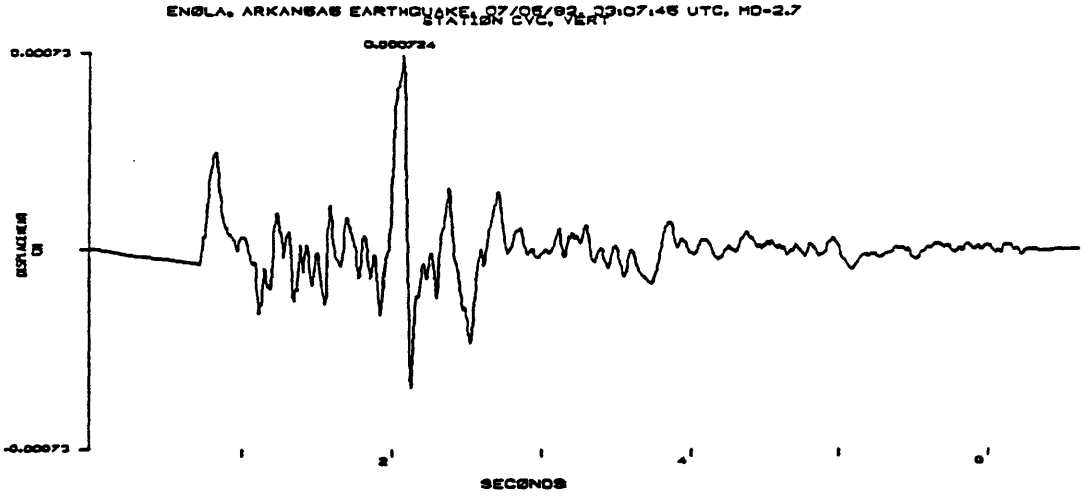

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN CMG, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

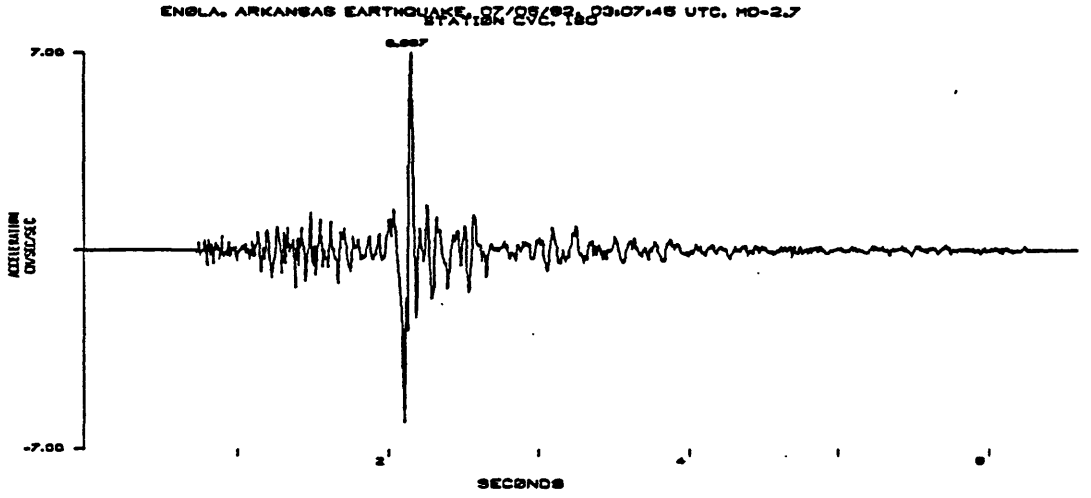

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN CMG, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

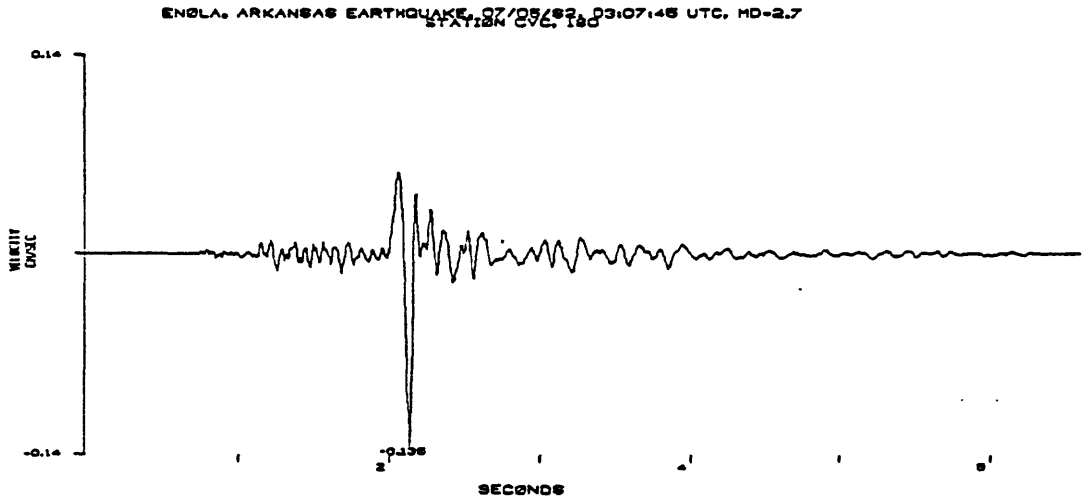

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN CMG, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

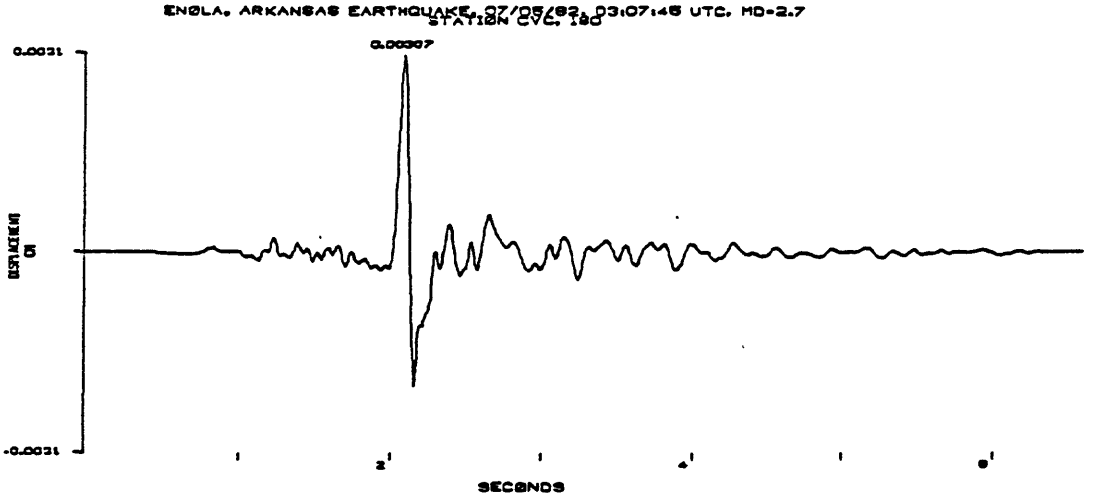

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATIØN CVC, VERT
3.50
-3.50
SECØNDS

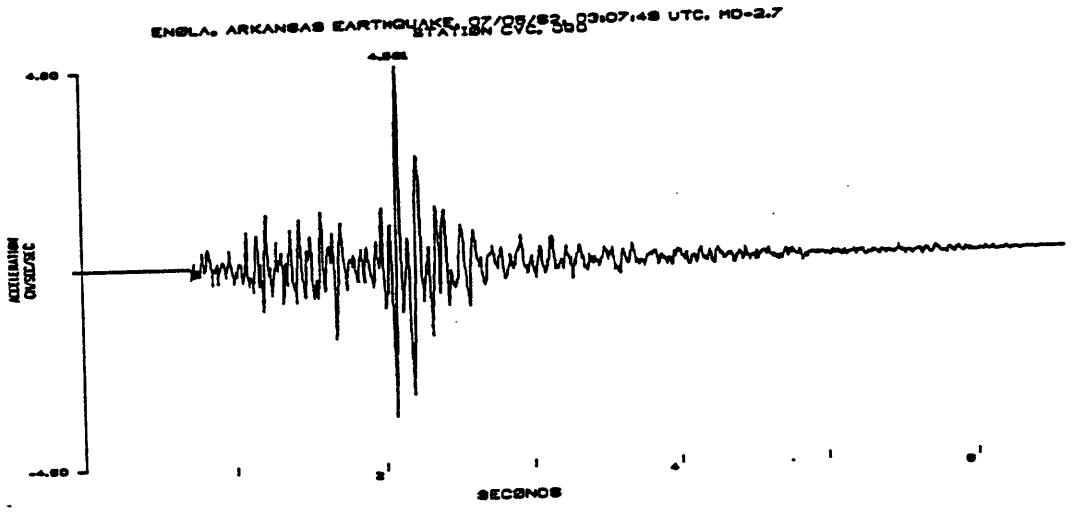

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATIØN CVC, VERT
0.044
-0.044
-0.0430
SECØNDS

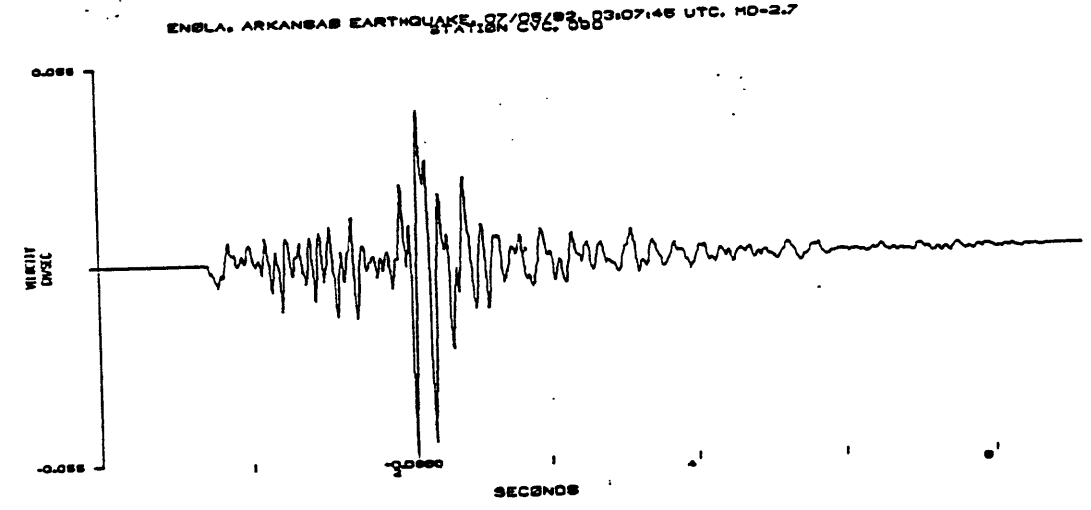

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATIØN CVC, VERT
0.000724
0.00073
-0.00073
SECØNDS


ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION CVC, I&C
7.00
-7.00
SECONDS

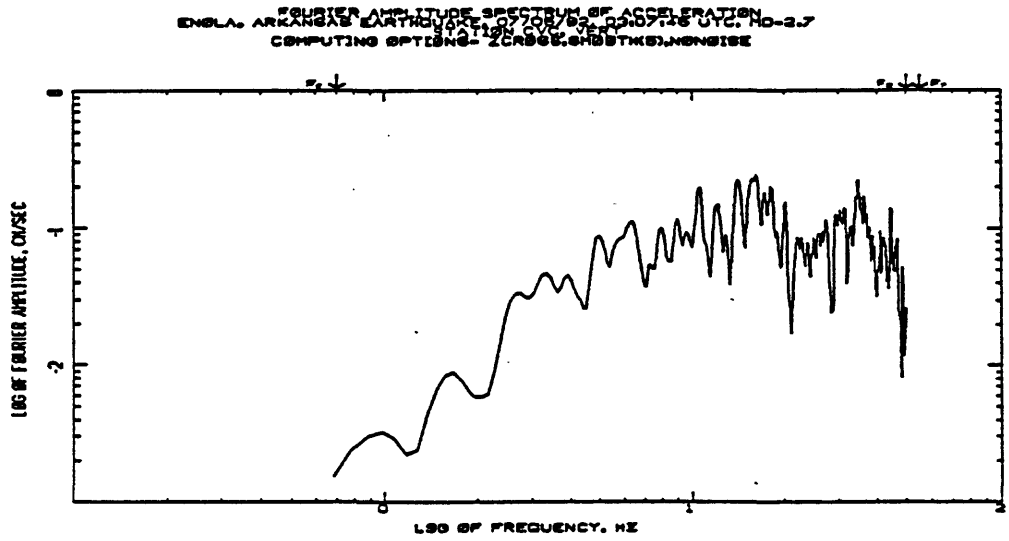

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION CVC, I&C
0.14
-0.14
SECONDS

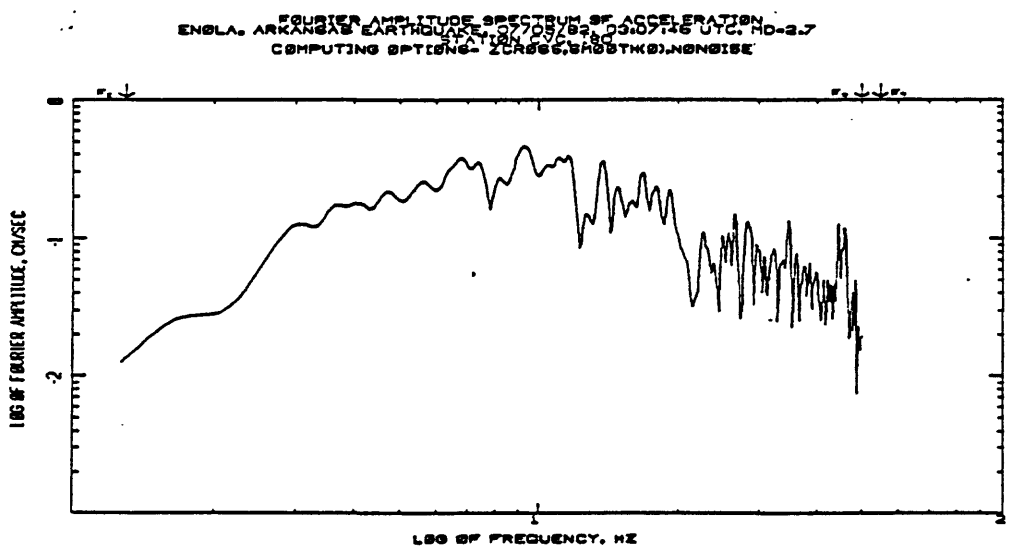

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION CVC, I&C
0.0031
-0.0031
SECONDS

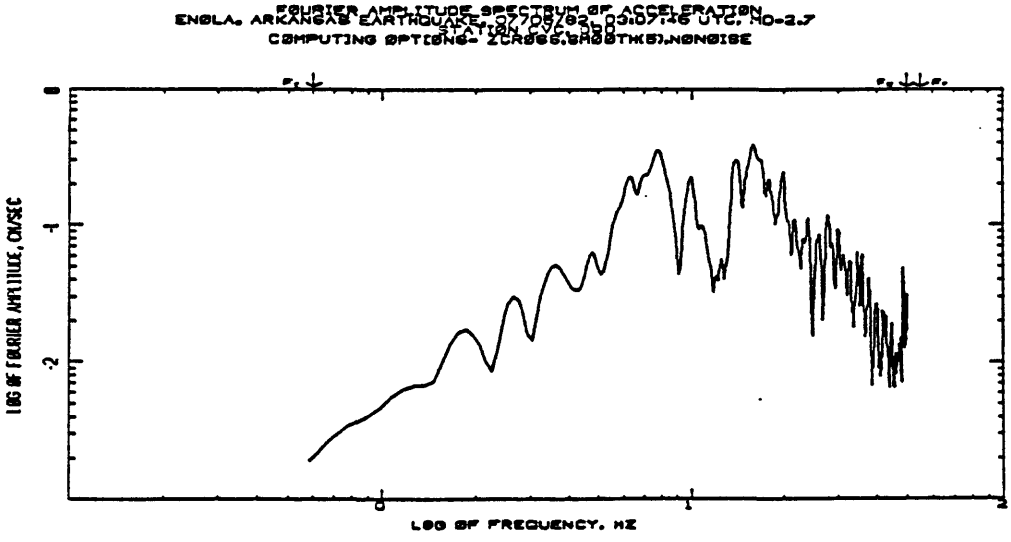

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:48 UTC, MD-2.7
STATION CVC, DDD
4.00
-4.00
ACCELERATION CM/SEC/SEC
SECONDS

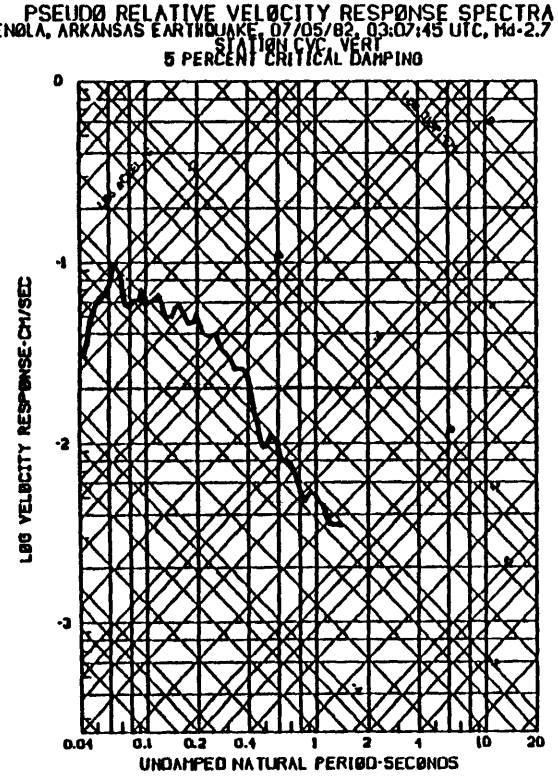

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD-2.7
STATION CVC, DDD
0.055
-0.055
VELOCITY CM/SEC
SECONDS

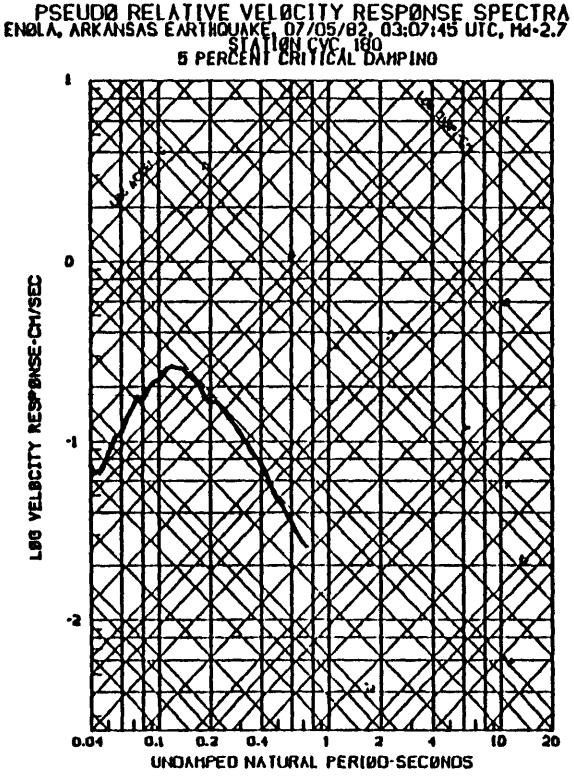
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD-2.7
STATION CVC, DDD
0.0013
-0.0013
DISPLACEMENT CM
SECONDS

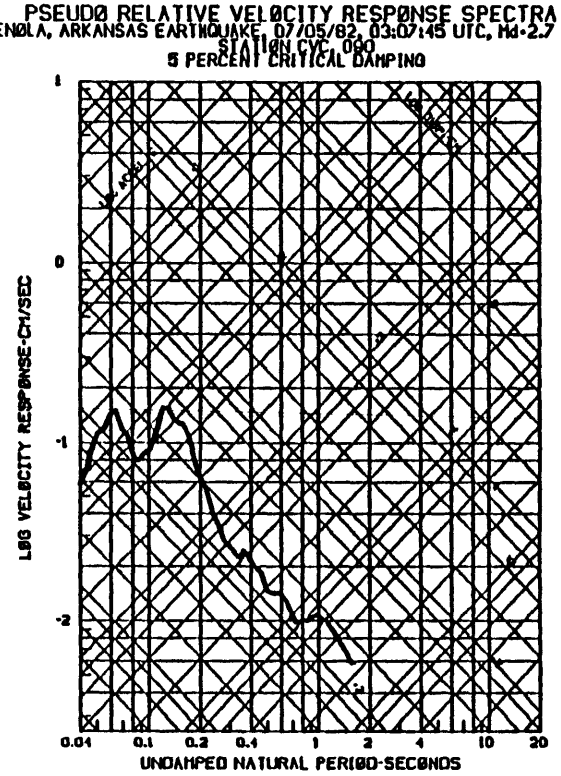

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07705/83, 03:07:46 UTC, MD=2.7
STATION CVC 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

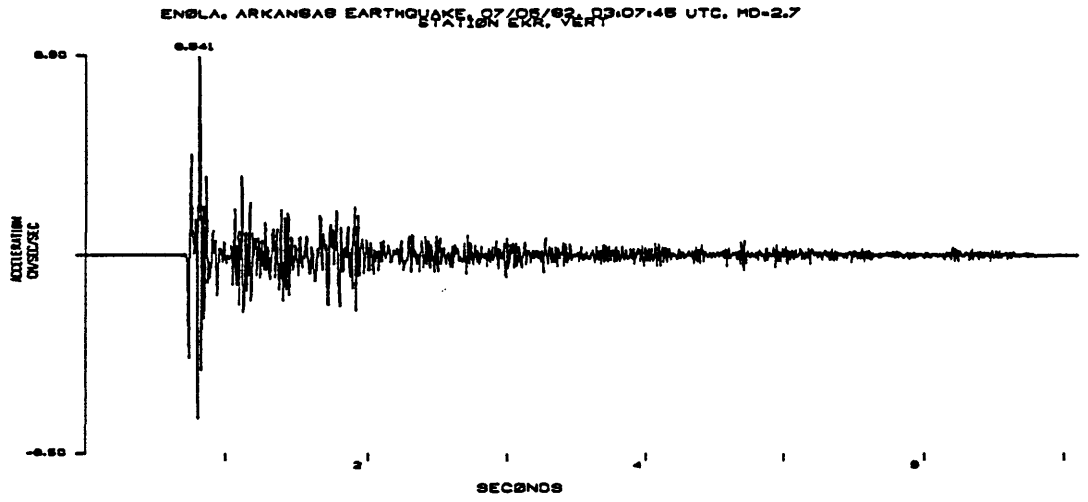

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07705/83, 03:07:46 UTC, MD=2.7
STATION CVC 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

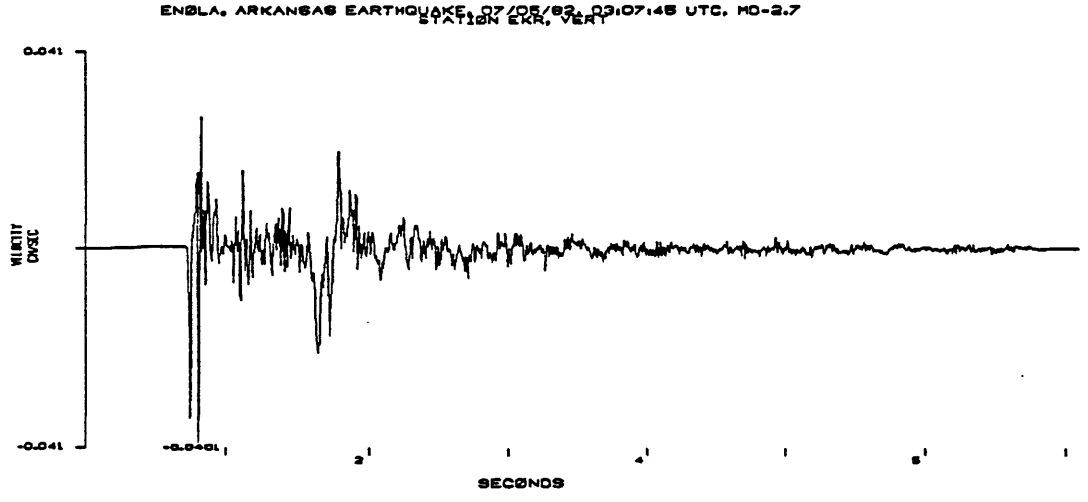

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07705/83, 03:07:46 UTC, MD=2.7
STATION CVC 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

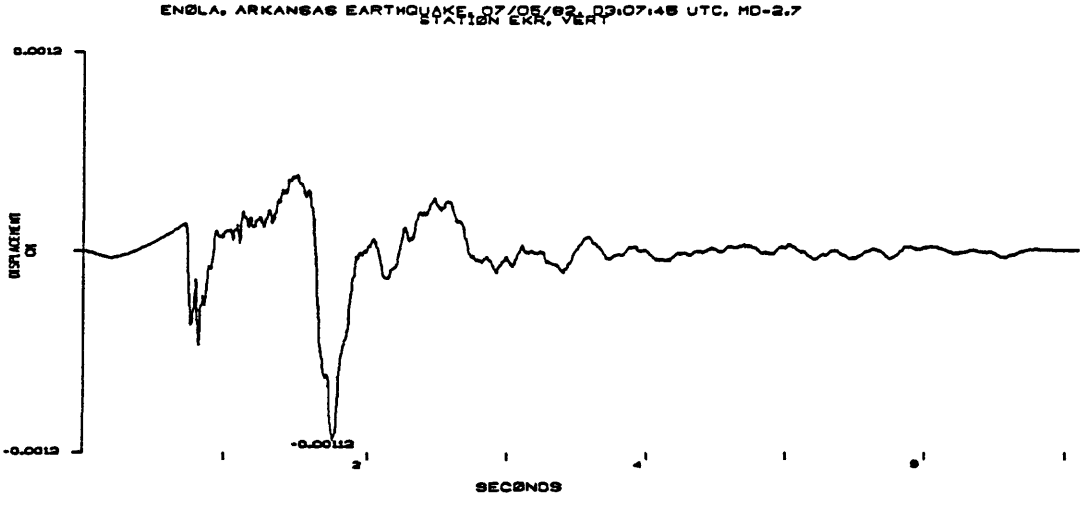

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN CVC VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

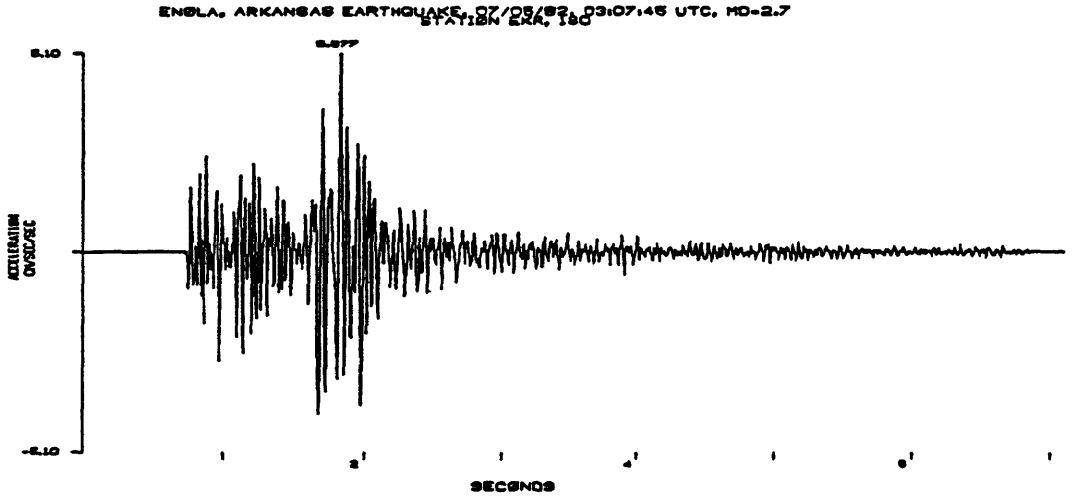

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN CVC 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

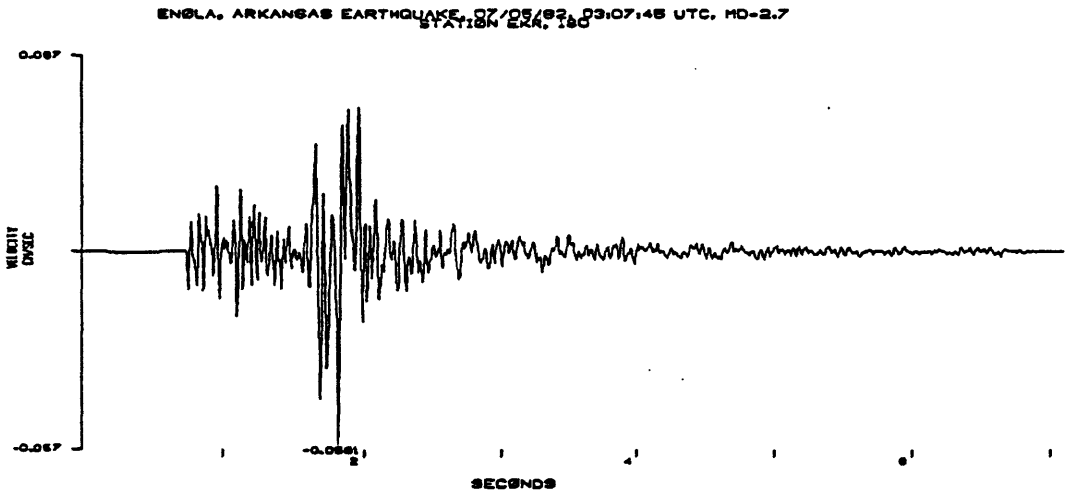

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN CVC 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

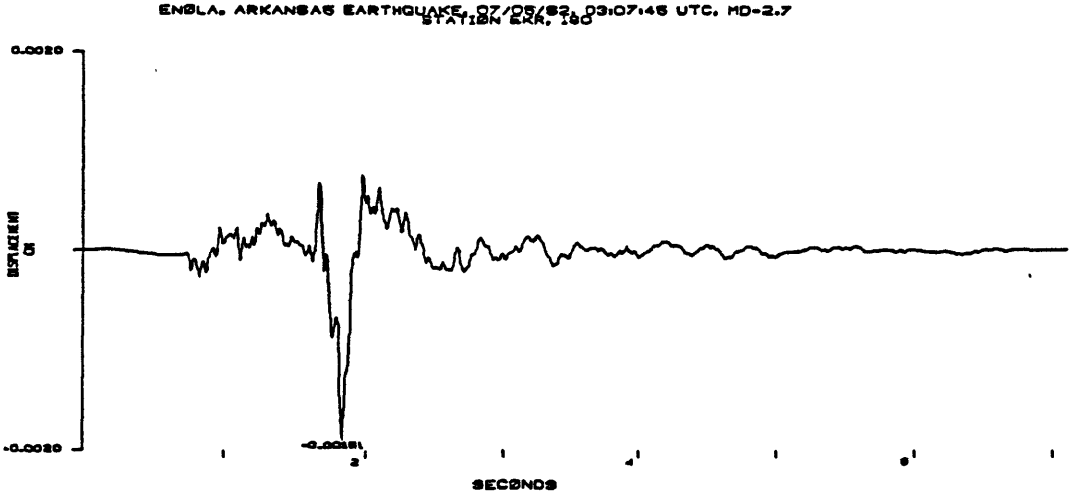

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD-2.7
STATIØN EKR, VERT
0.541
0.00
-0.50
ACCELERATION CM/SEC/SEC
2
4
6
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD-2.7
STATIØN EKR, VERT
0.041
-0.041
VELOCITY CM/SEC
-0.0401
2
4
6
SECØNDS

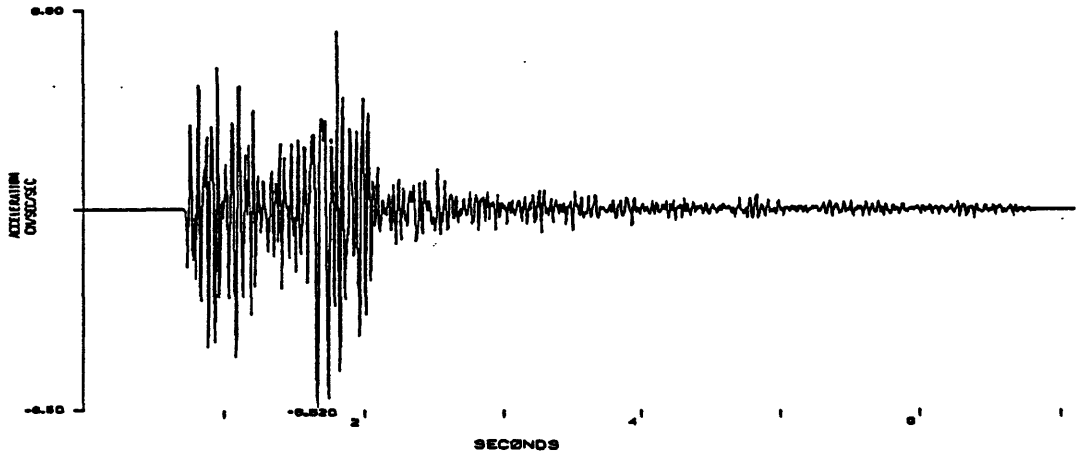

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD-2.7
STATIØN EKR, VERT
0.0012
-0.0012
DISPLACEMENT CM
-0.00112
2
4
6
SECØNDS


ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION EKR, 180
5.10
-5.10
ACCELERATION CM/SEC/SEC
SECONDS

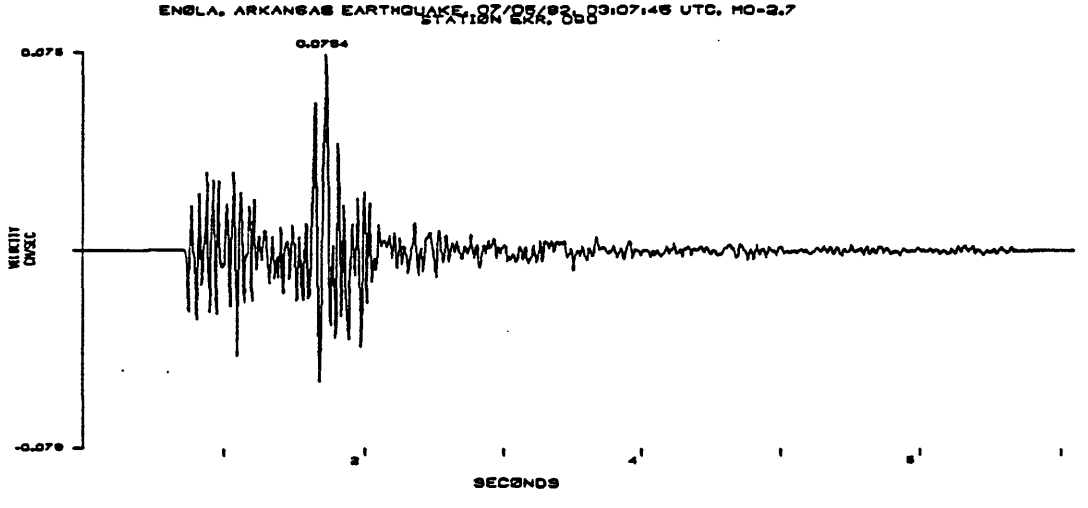

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION EKR, 180
0.067
-0.067
VELOCITY CM/SEC
SECONDS


ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION EKR, 180
0.0020
-0.0020
DISPLACEMENT CM
SECONDS

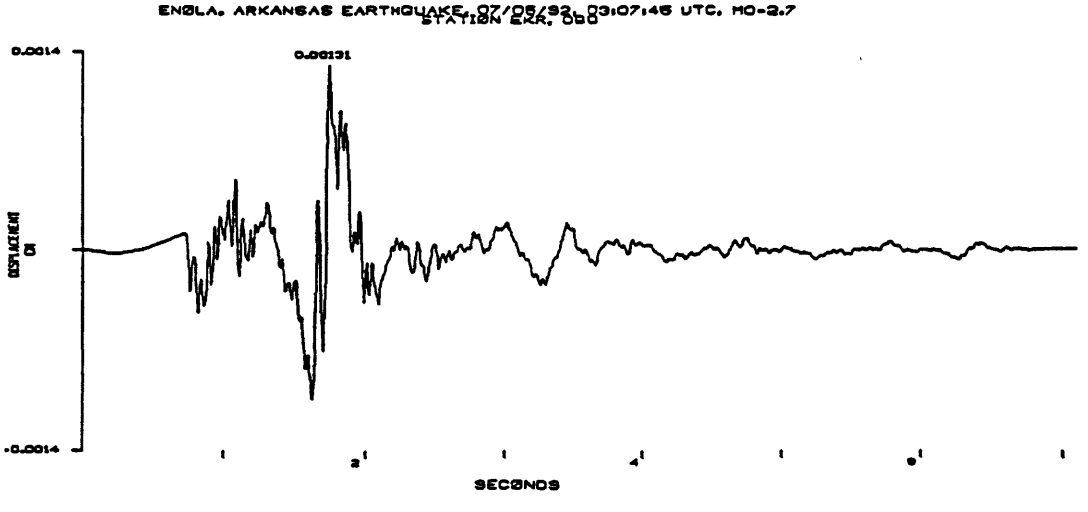
ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD-2.7
STATIØN EKR, DDD

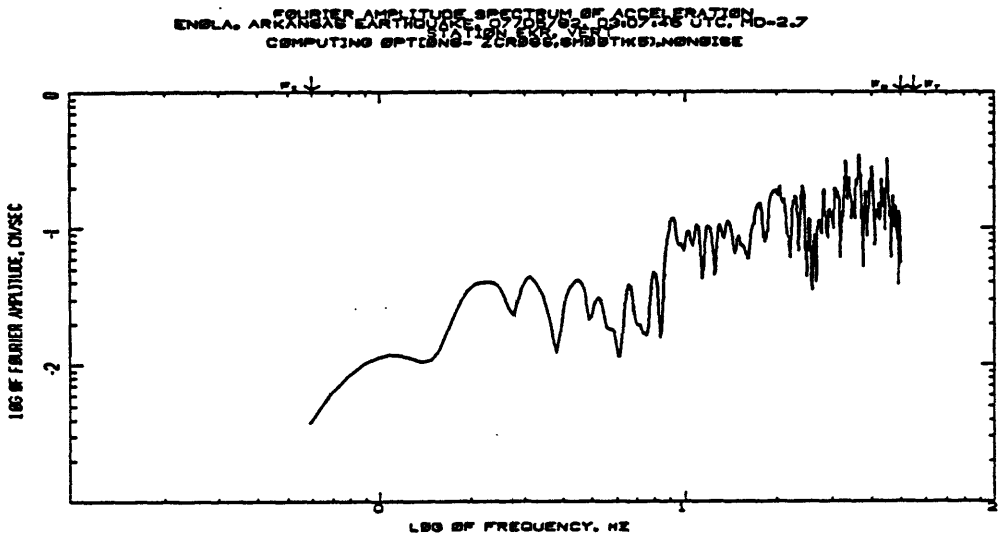


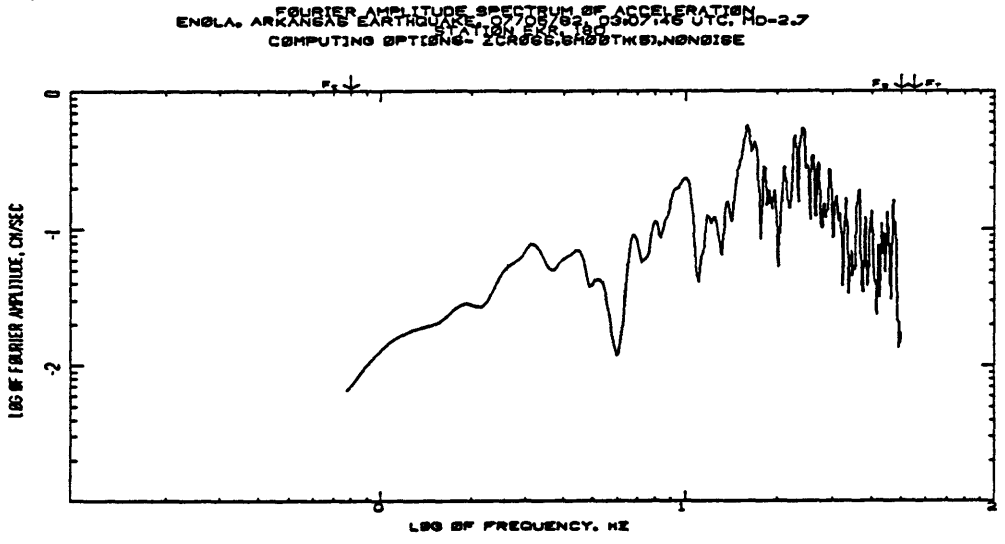
ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD-2.7
STATIØN EKR, DDD

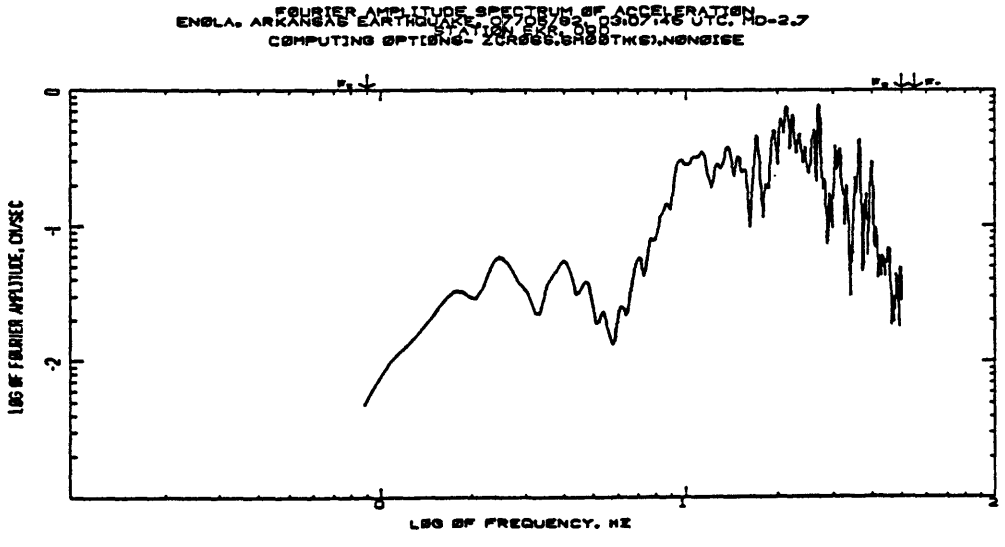


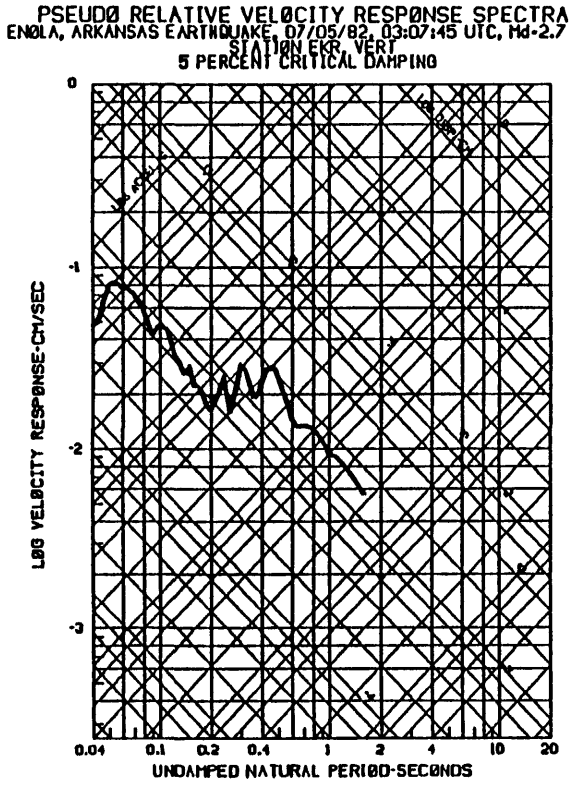
ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD-2.7
STATIØN EKR, DDD

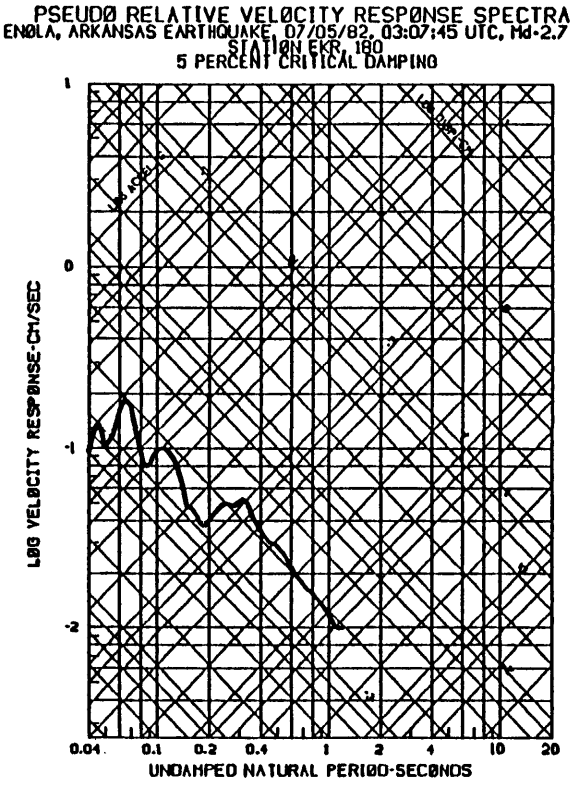


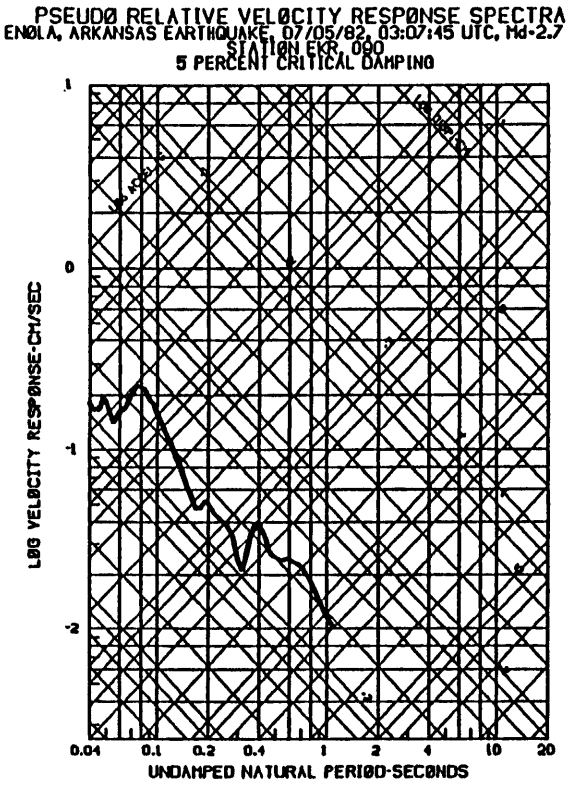

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION EKR, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

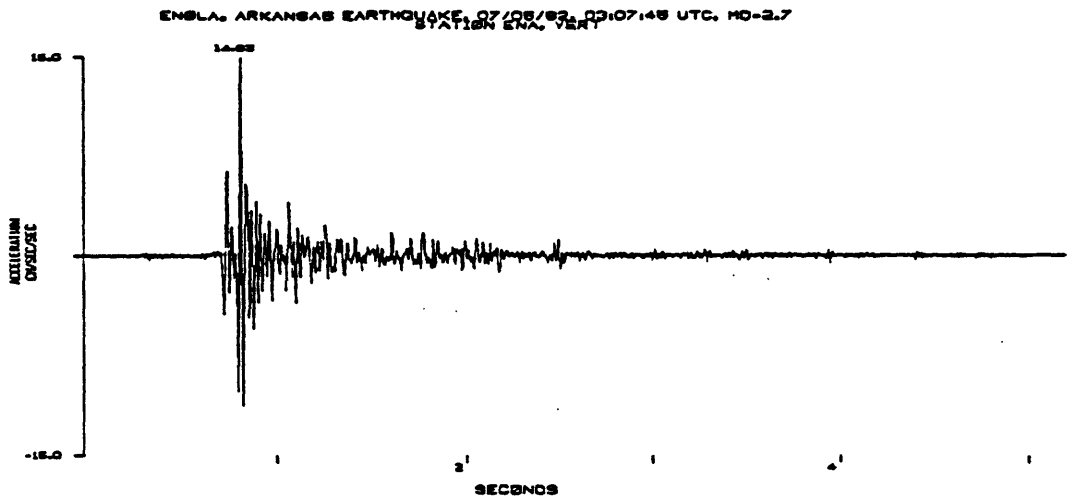

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION EKR, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

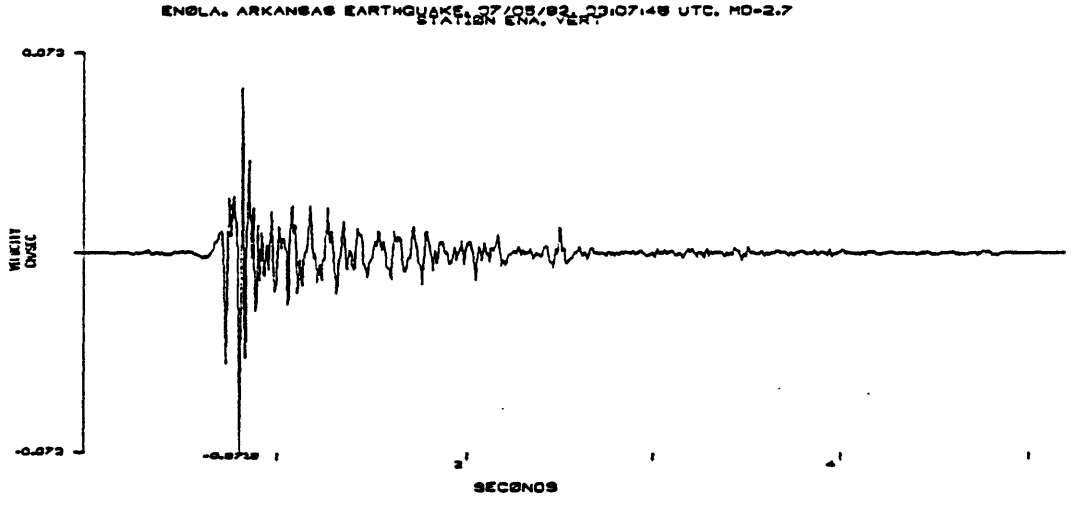

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION EKR, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

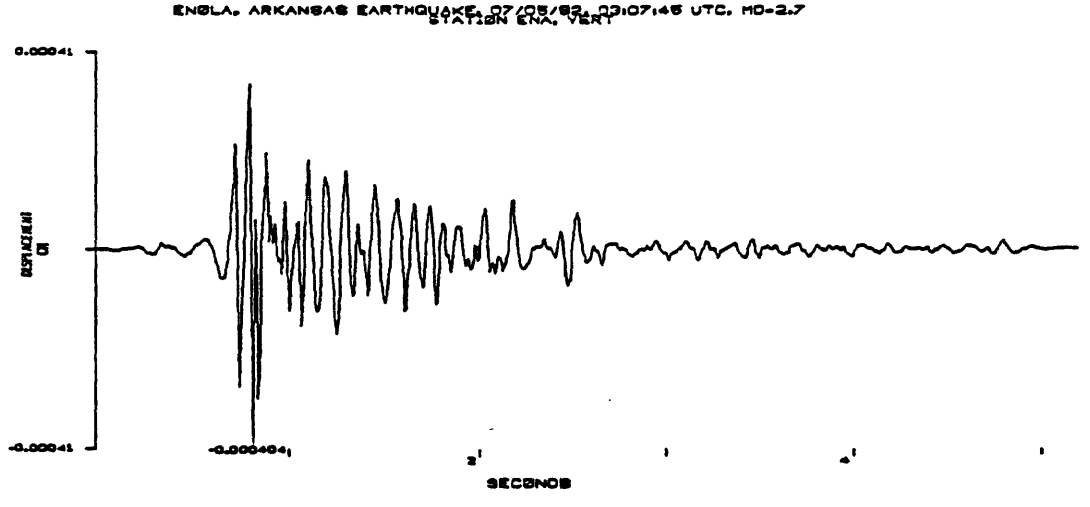

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN EKR, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

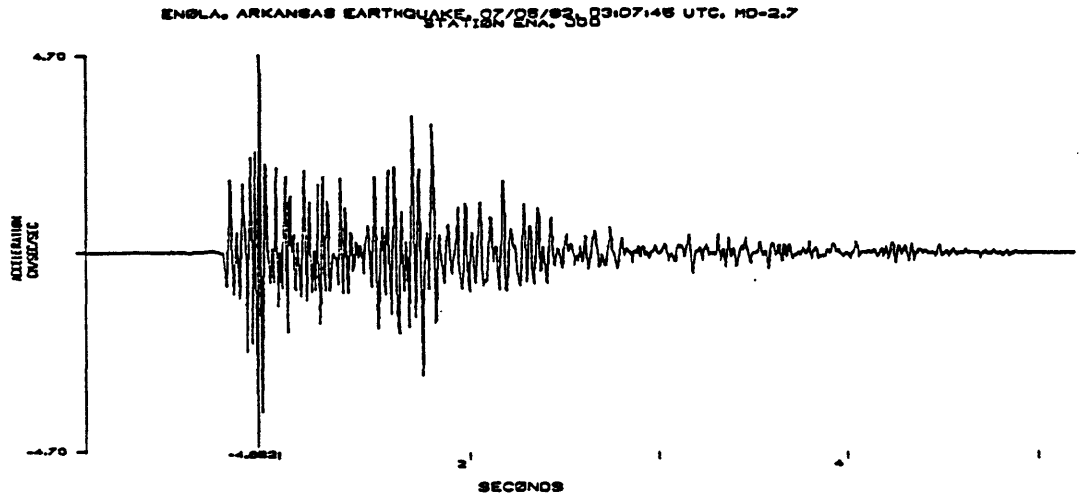

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN EKR, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

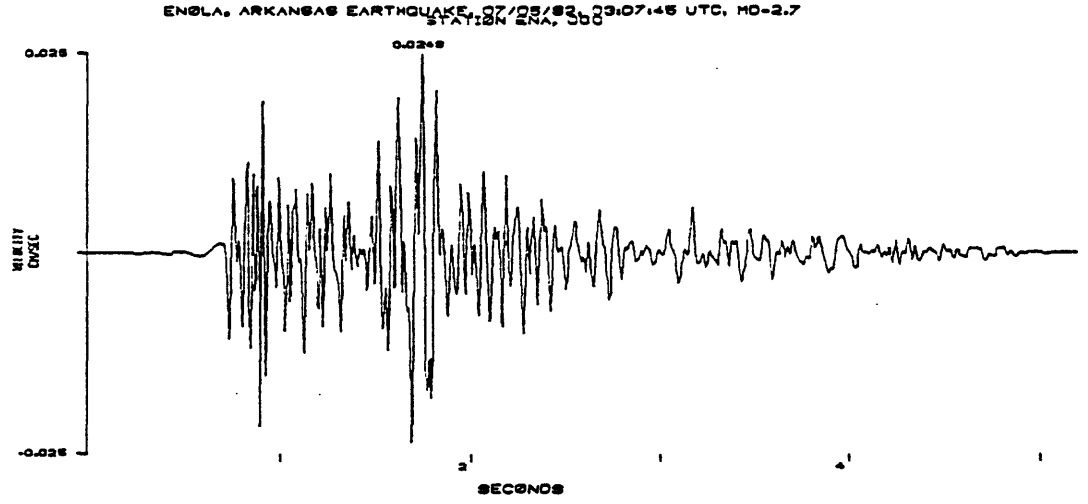

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN EKR, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

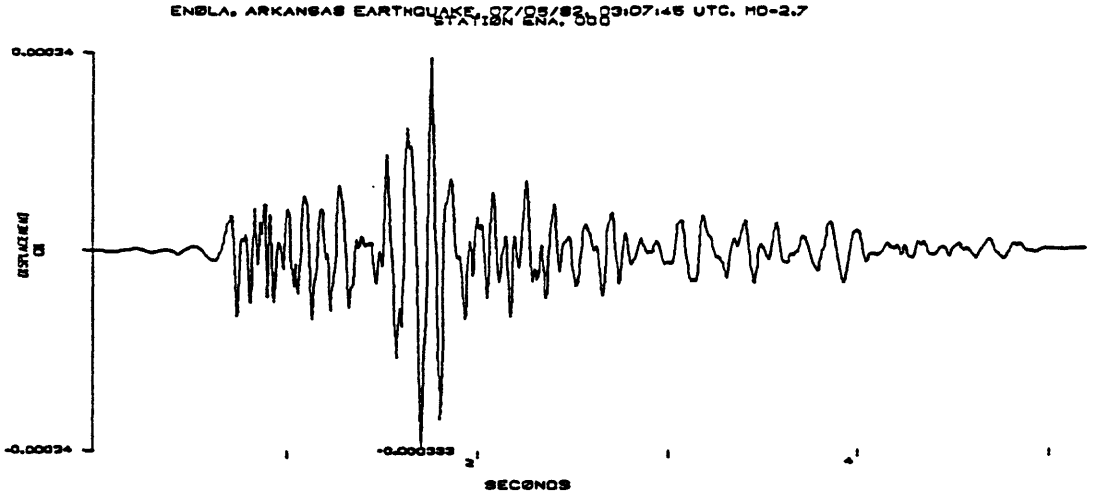

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:48 UTC, MD=2.7
STATION ENA, VERT
15.0
-15.0
ACCELERATION CM/SEC/SEC
1
2
4
SECONDS

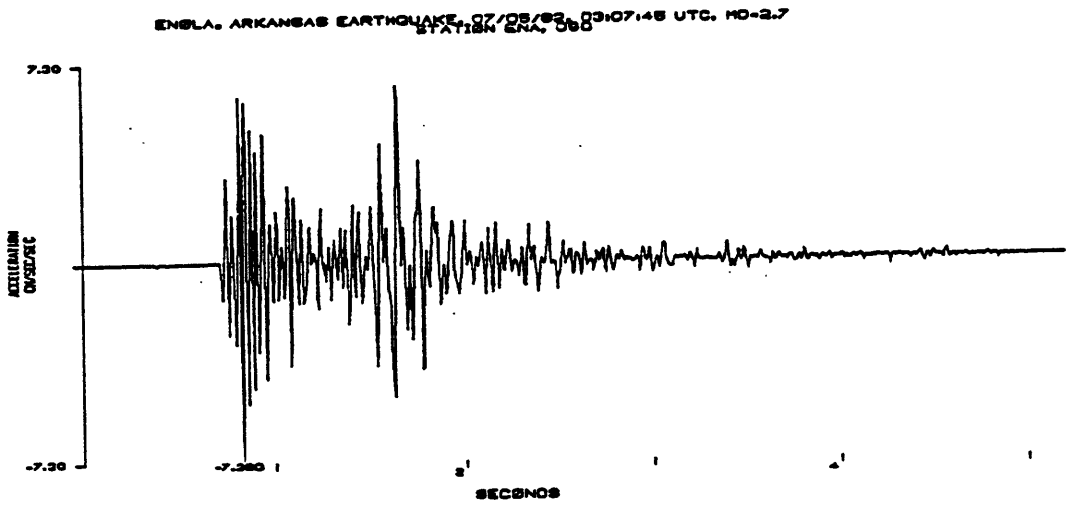

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:48 UTC, MD=2.7
STATION ENA, VERT
0.073
-0.073
VELOCITY CM/SEC
1
2
4
SECONDS

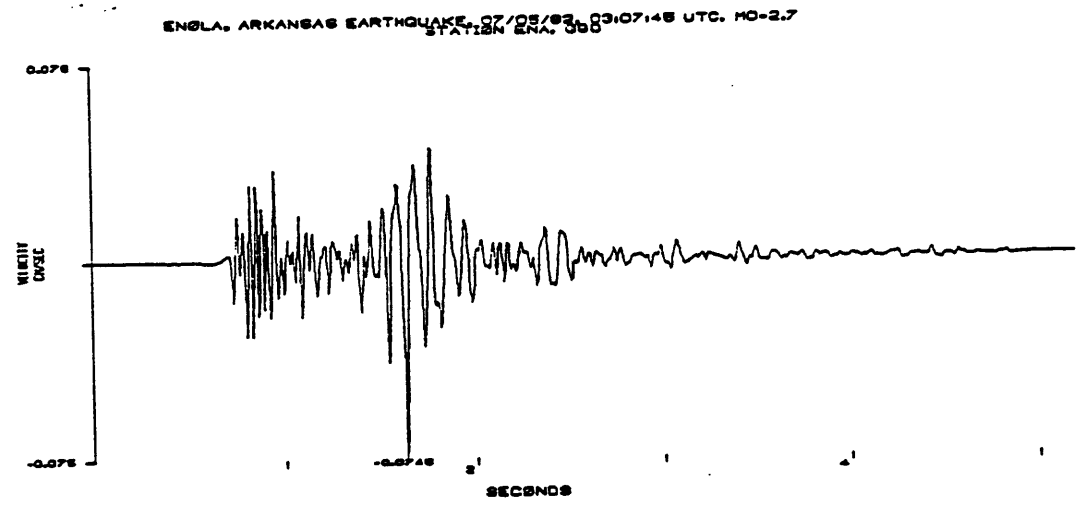

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:48 UTC, MD=2.7
STATION ENA, VERT
0.00041
-0.00041
DISPLACEMENT CM
1
2
4
SECONDS

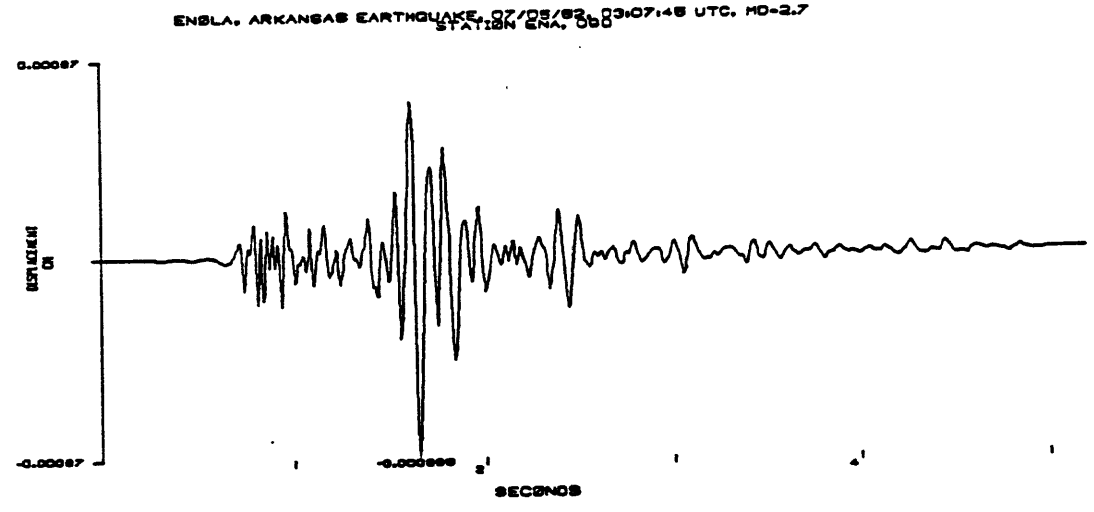

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD-2.7
STATIØN ENA, 000
4.70
-4.70
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD-2.7
STATIØN ENA, 000
0.0249
0.025
-0.025
SECØNDS

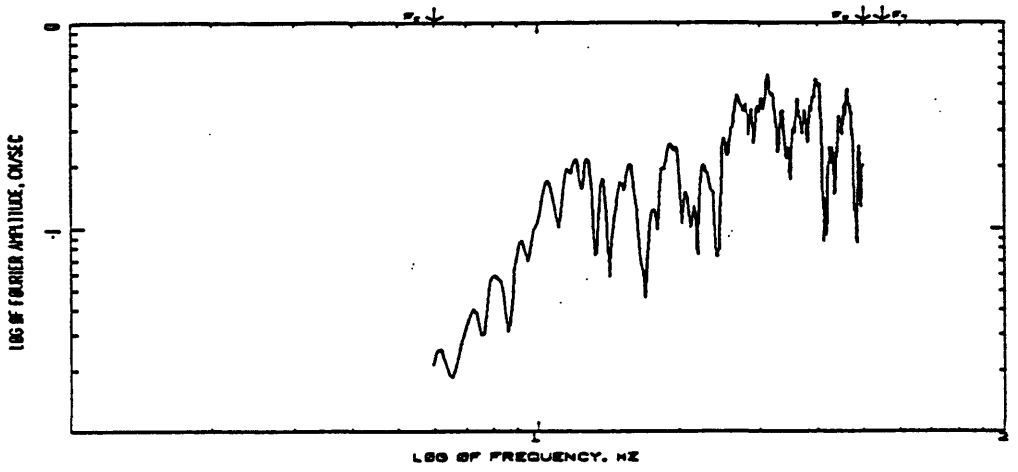

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD-2.7
STATIØN ENA, 000
0.00034
-0.00034
-0.000333
SECØNDS


ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION ENA, 000
7.30
-7.30
ACCELERATION CM/SEC/SEC
SECONDS

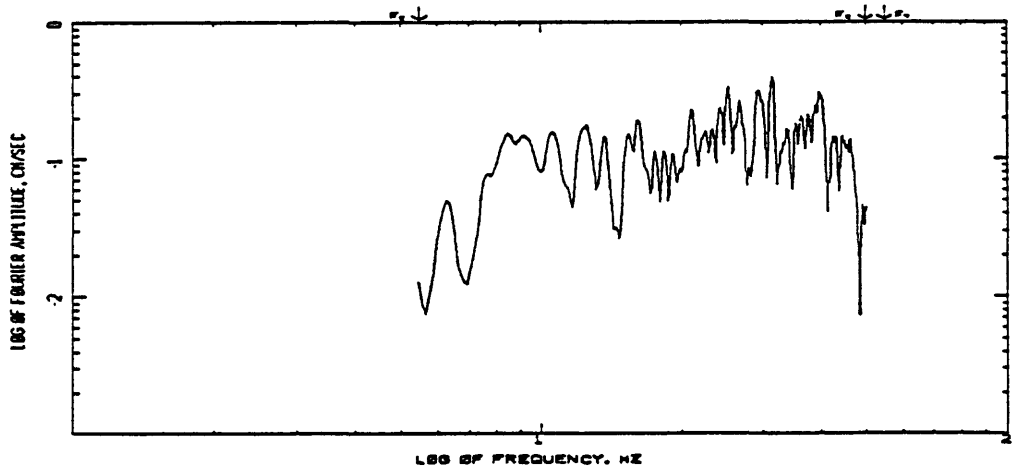

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION ENA, 000
0.075
-0.075
VELOCITY CM/SEC
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION ENA, 000
0.00087
-0.00087
DISPLACEMENT CM
SECONDS

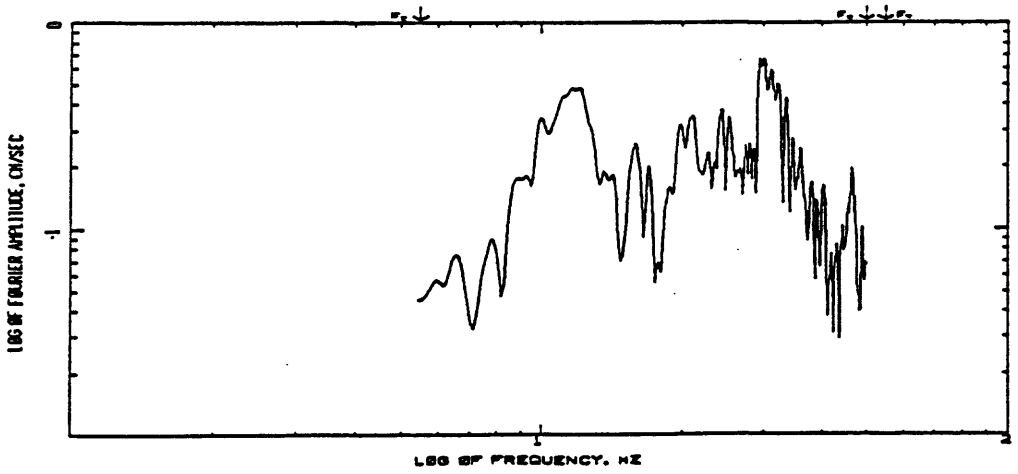
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 03:07:46 UTC, MO=2.7
STATION ENA, 90
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

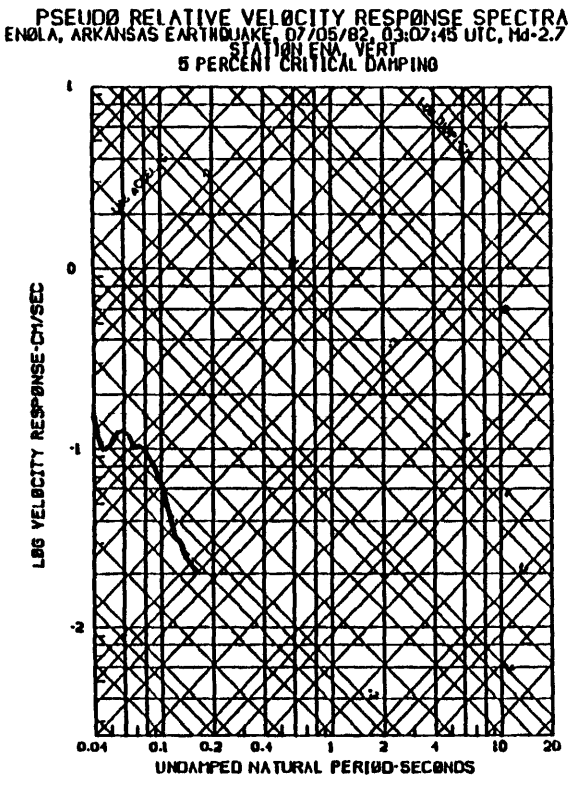


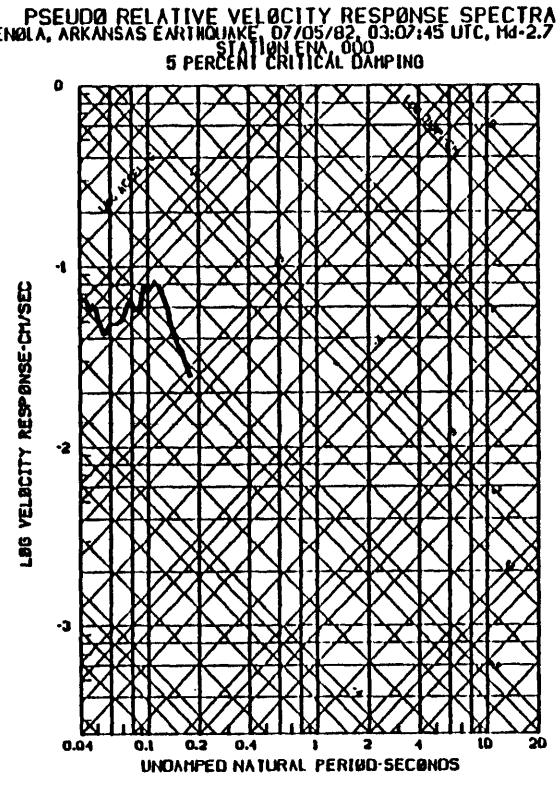
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 03:07:46 UTC, MO=2.7
STATION ENA, 360
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

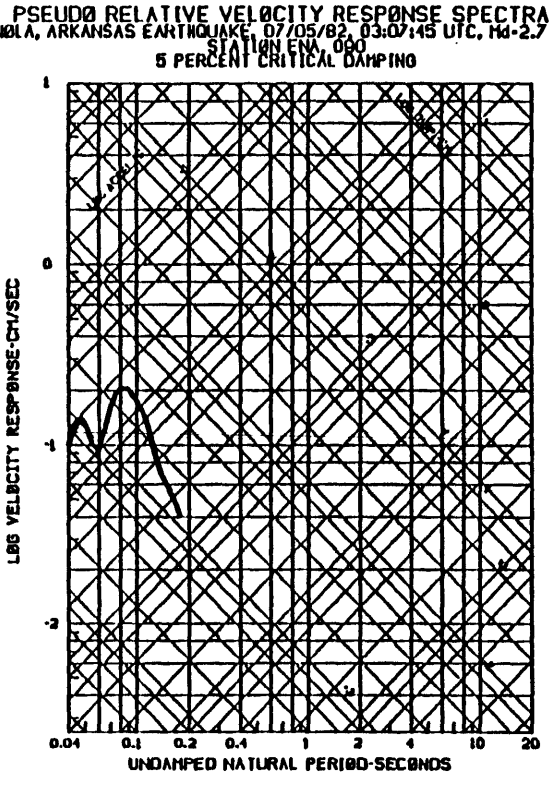


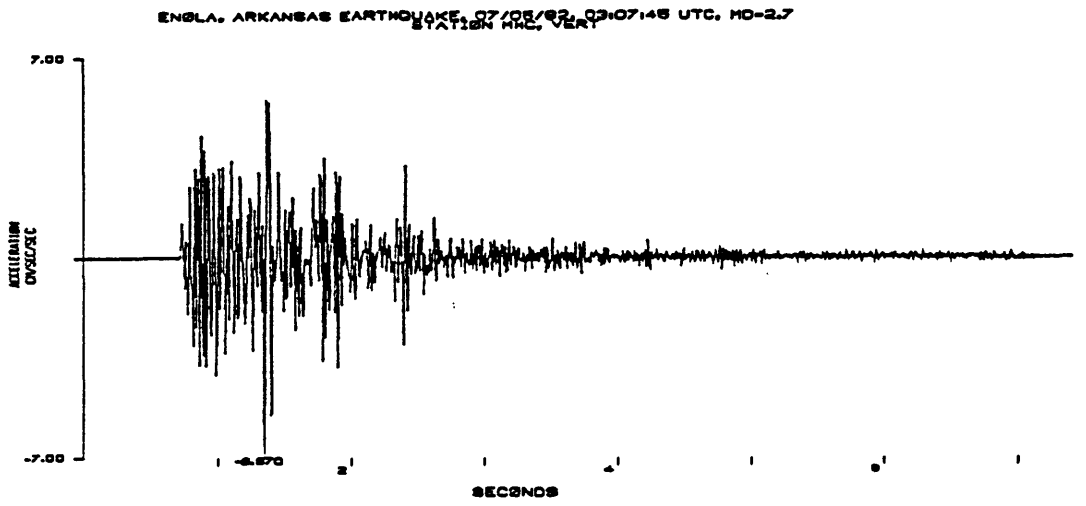
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 03:07:46 UTC, MO=2.7
STATION ENA, UP
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE

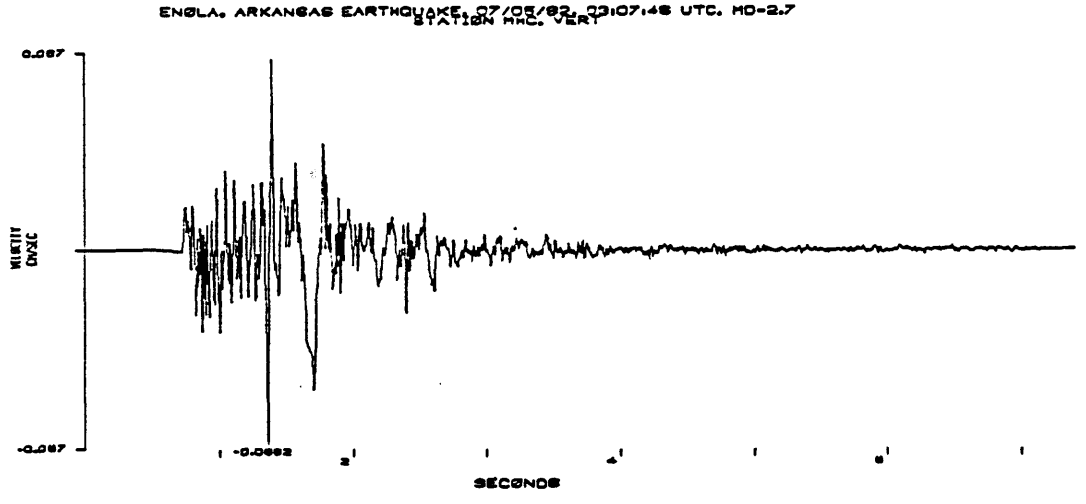


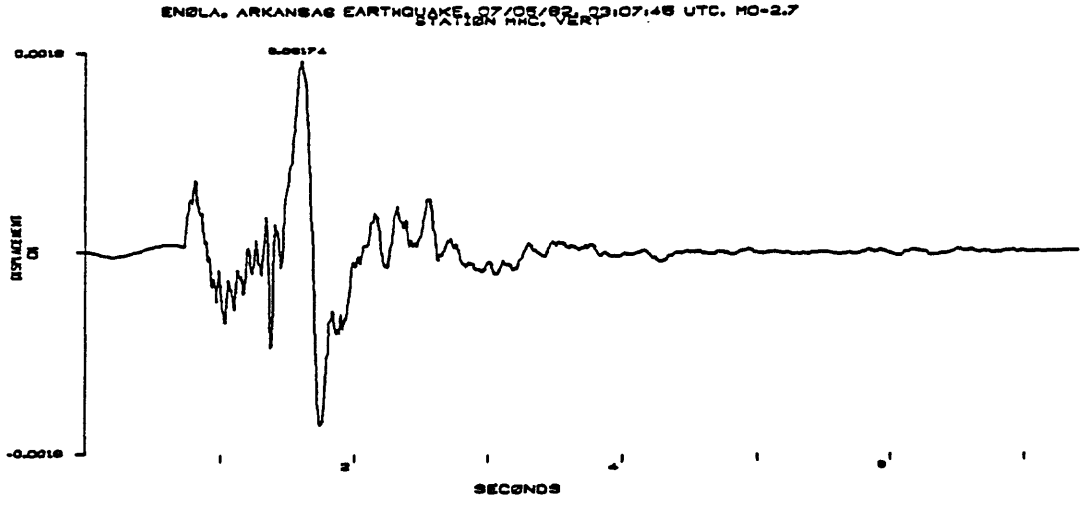

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN ENA, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

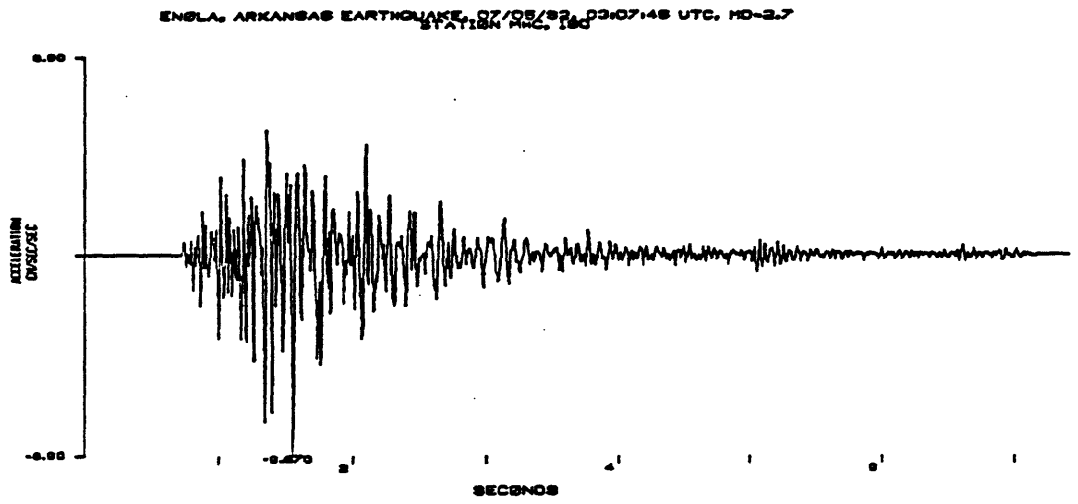

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN ENA, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

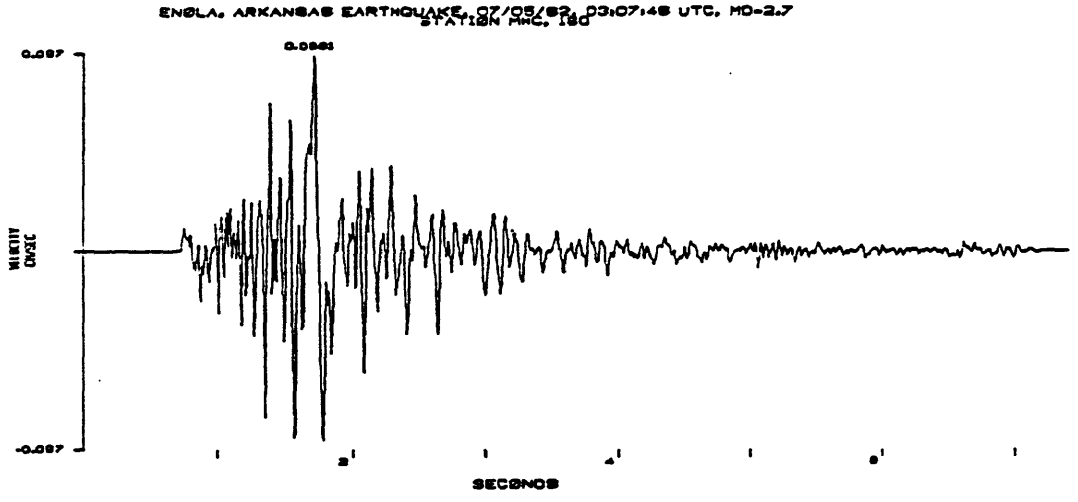

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN ENA, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

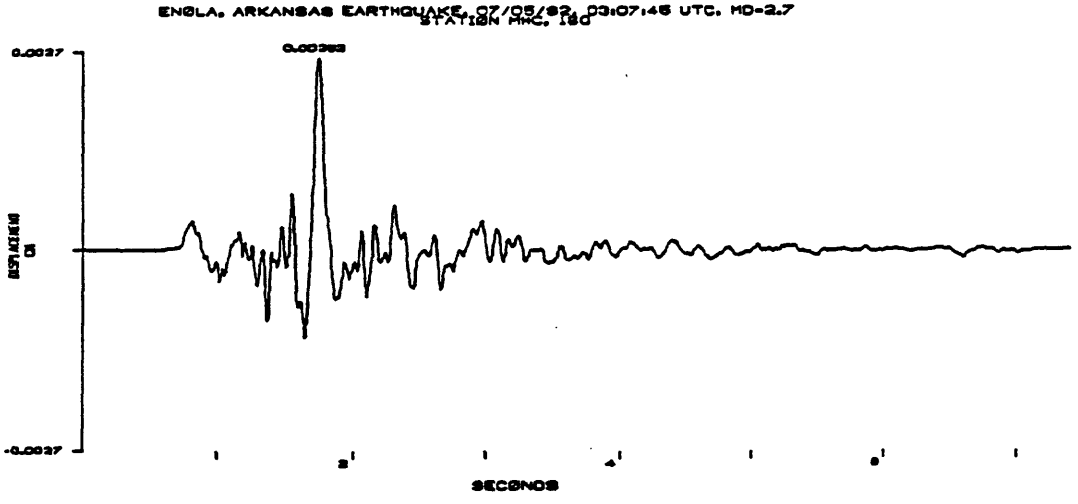

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION HHC, VERT
7.00
-7.00
-0.870
2
4
6
SECONDS

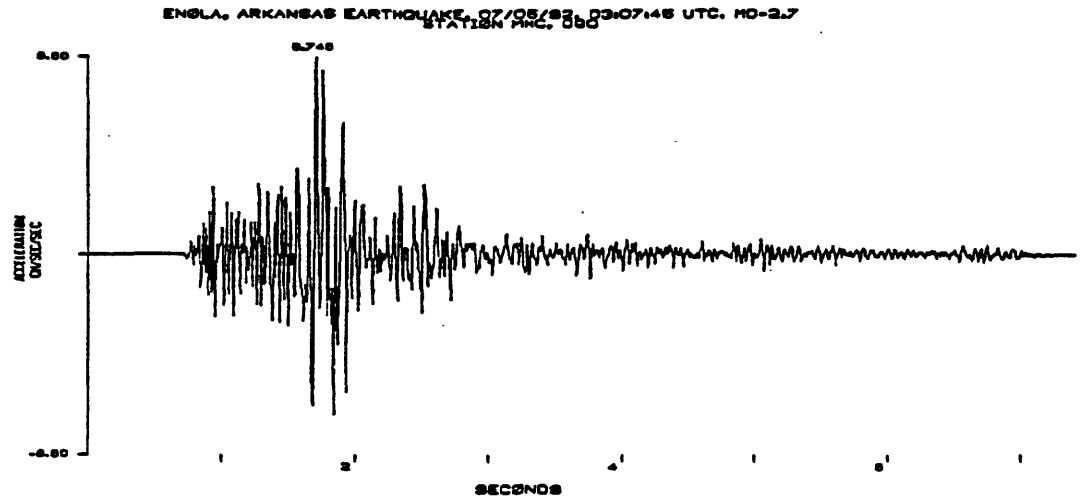

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION HHC, VERT
0.087
-0.087
-0.0662
2
4
6
SECONDS

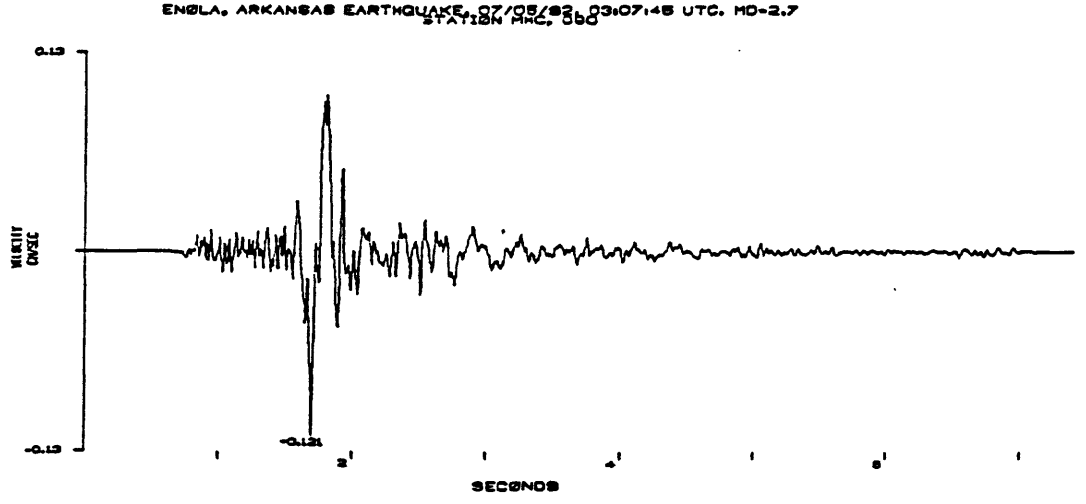

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION HHC, VERT
0.0018
-0.0018
0.001724
2
4
6
SECONDS

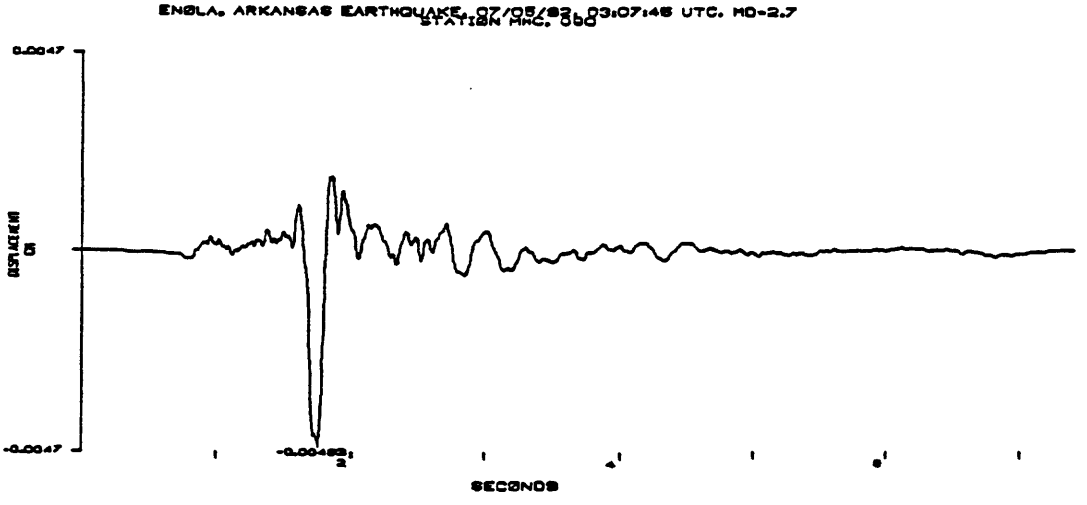

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:48 UTC, MD=2.7
STATION MMC, ISO
SECONDS

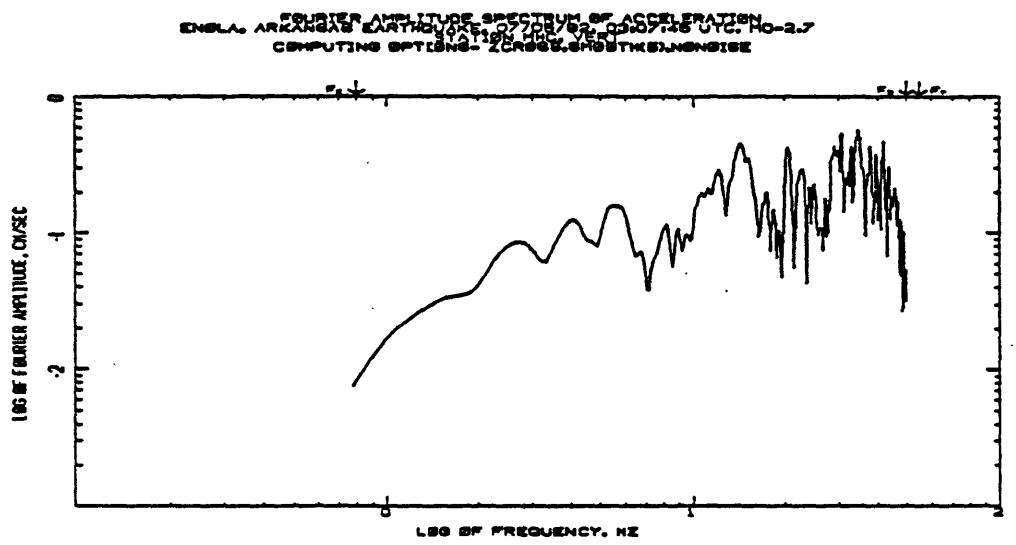

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:48 UTC, MD=2.7
STATION MMC, ISO
SECONDS

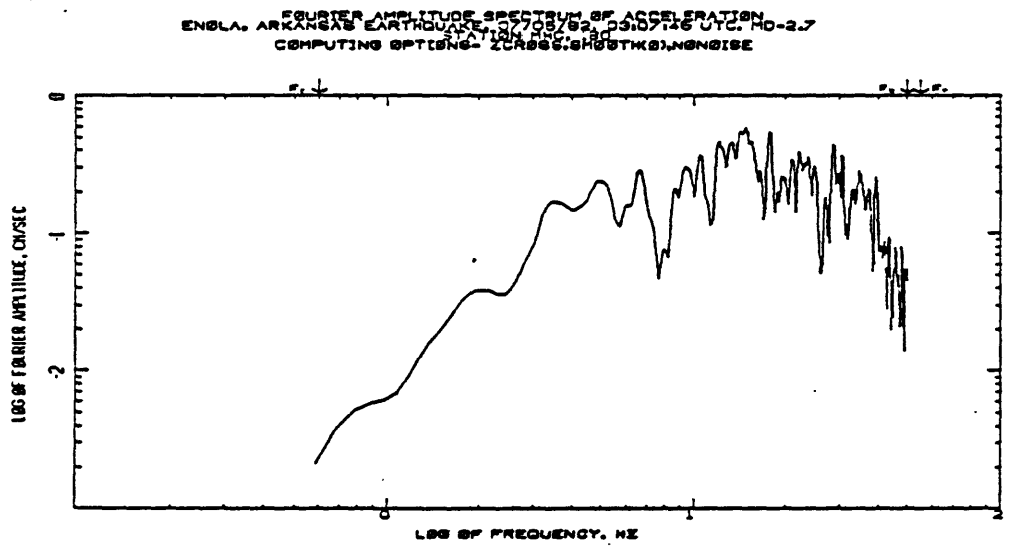

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:48 UTC, MD=2.7
STATION MMC, ISO
SECONDS

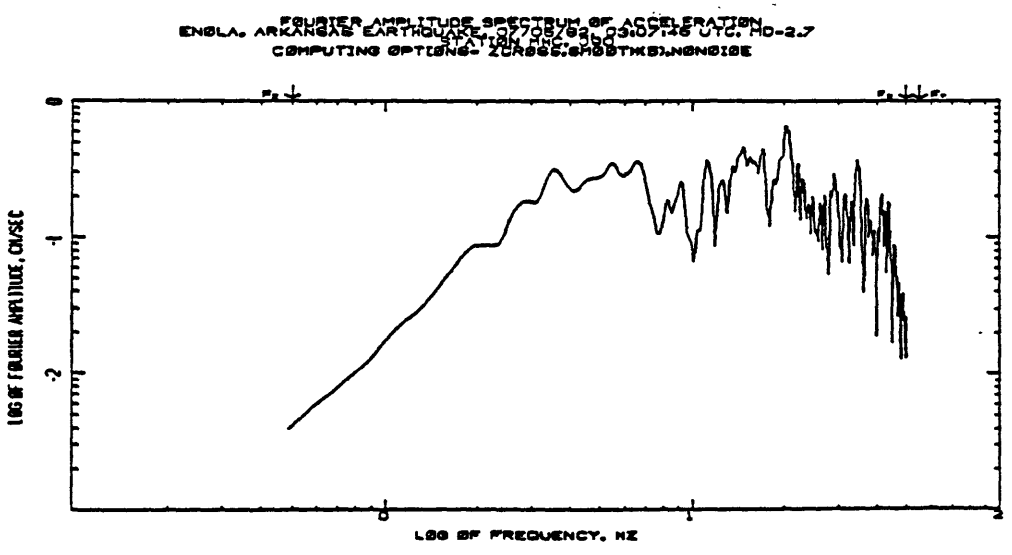

ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD=2.7
STATIØN MHC, DBO
0.745
0.50
-0.50
ACCELERATION CM/SEC/SEC
2
4
6
SECØNDS

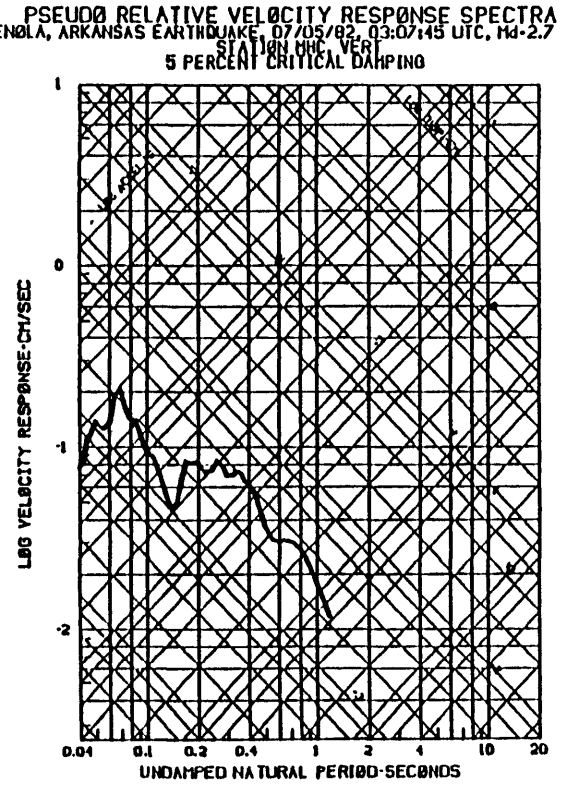

ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD=2.7
STATIØN MHC, DBO
0.13
-0.13
-0.121
VELOCITY CM/SEC
2
4
6
SECØNDS

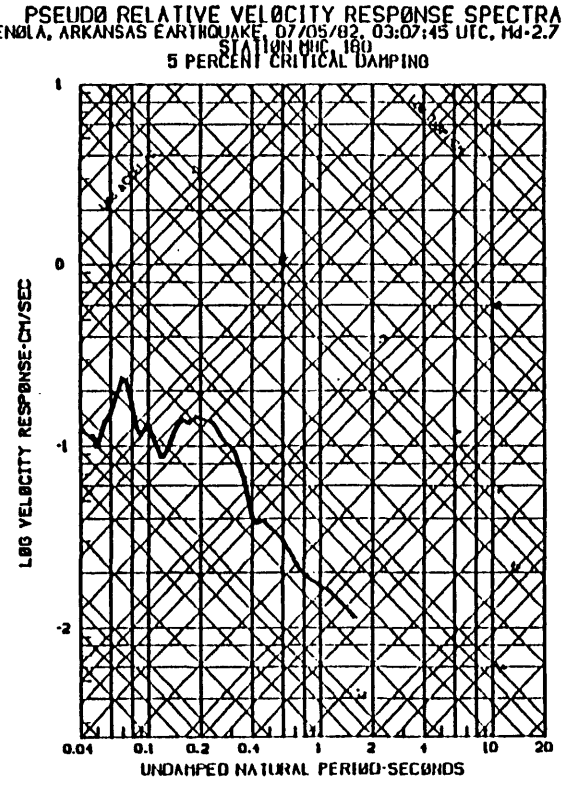

ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD=2.7
STATIØN MHC, DBO
0.0047
-0.0047
DISPLACEMENT CM
2
4
6
SECØNDS

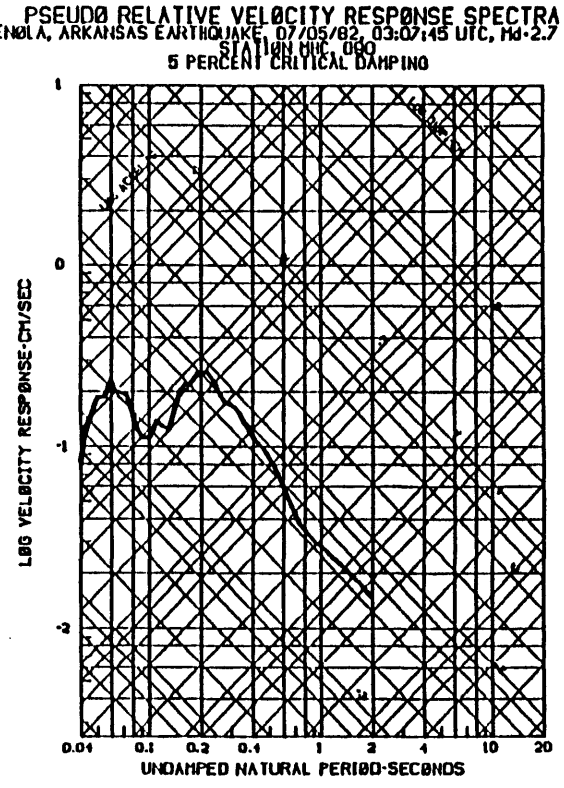

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD-2.7
STATION MHC, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

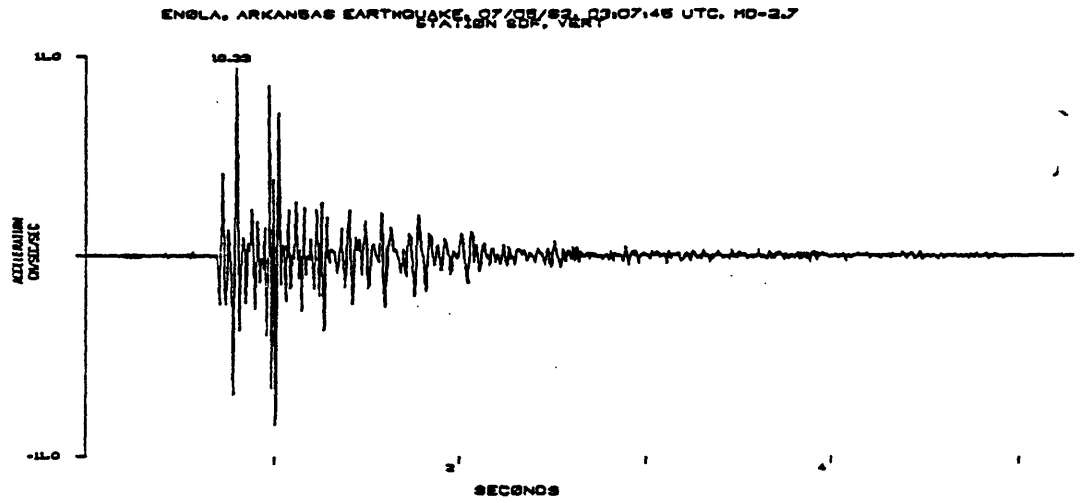

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD-2.7
STATION MHC, SQ
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

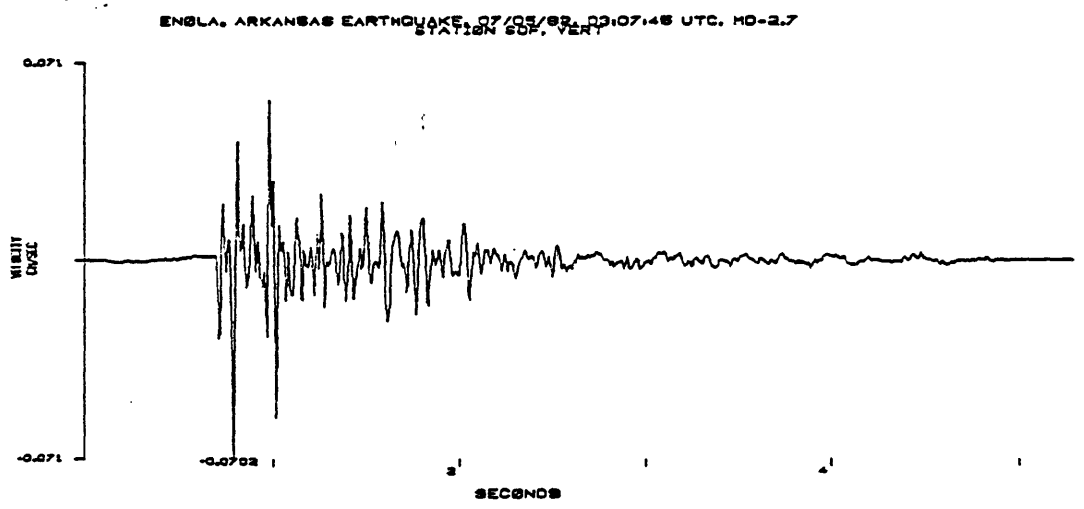

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD-2.7
STATION MHC, SQ
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

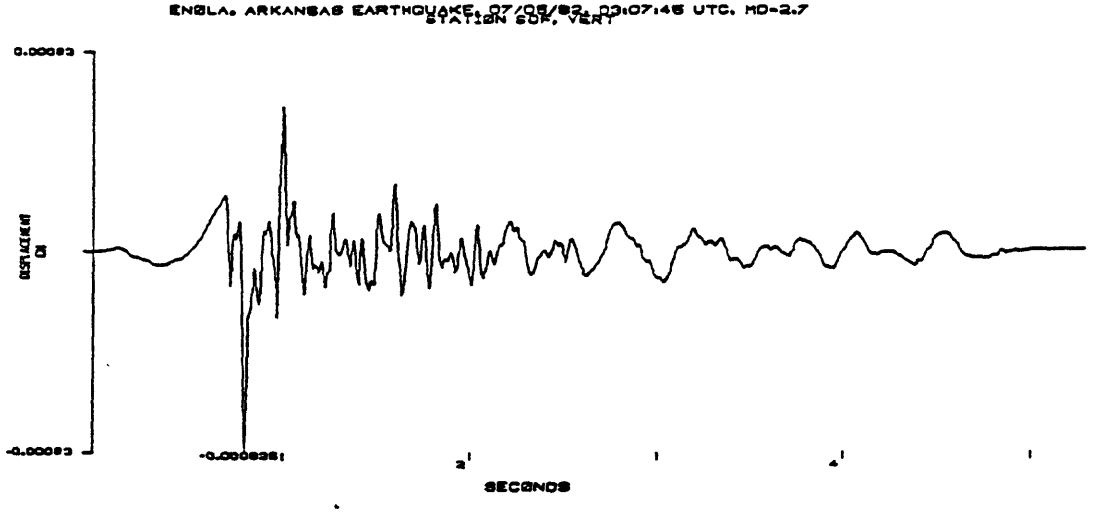

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN MHC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

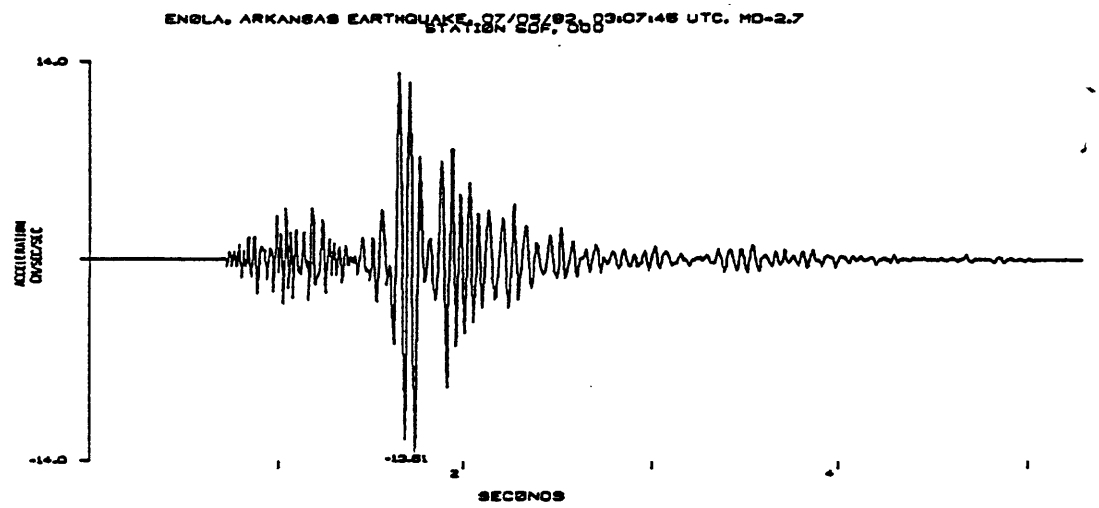

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN MHC, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

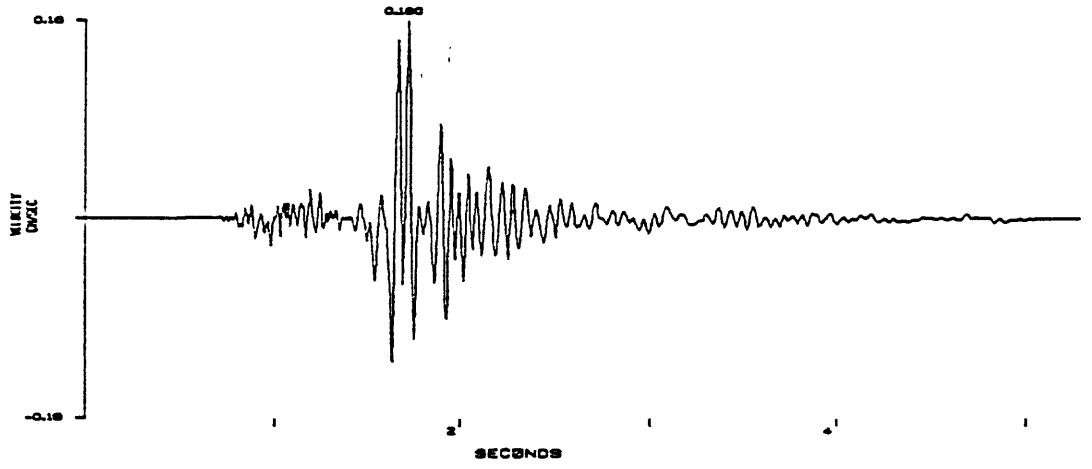

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN MHC, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

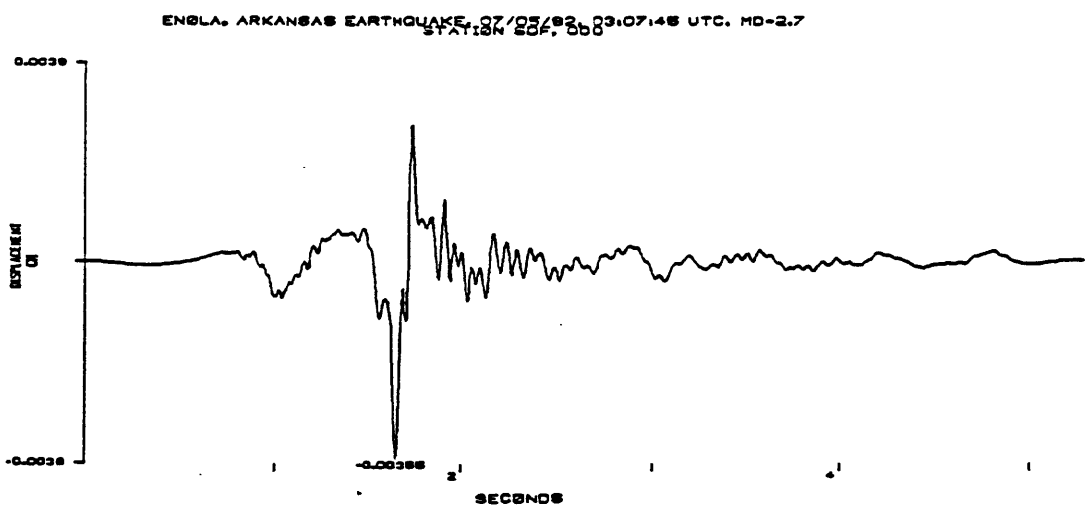

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 03:07:46 UTC, MD=2.7
STATION SDF, VERT
11.0
-11.0
SECONDS

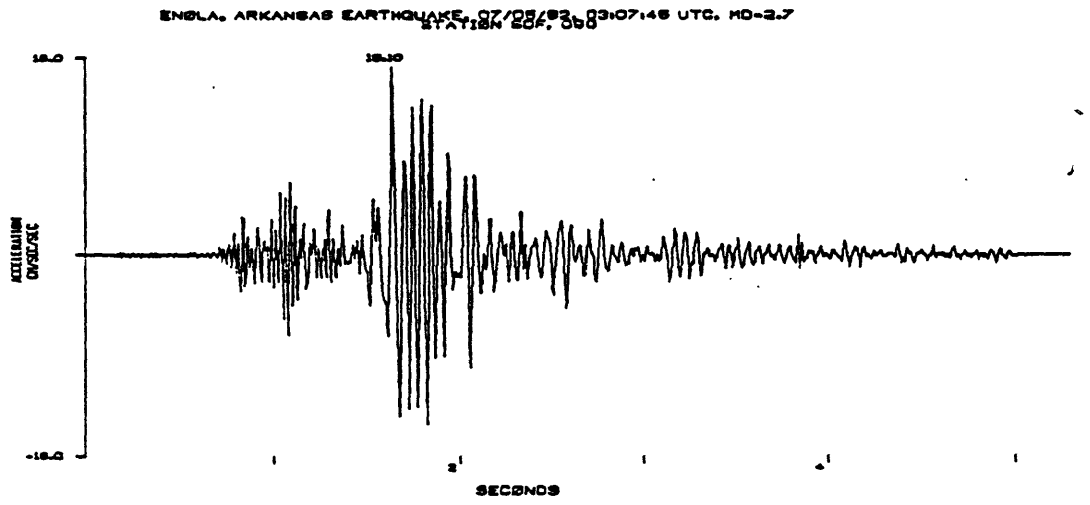

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 03:07:46 UTC, MD=2.7
STATION SDF, VERT
0.071
-0.071
SECONDS

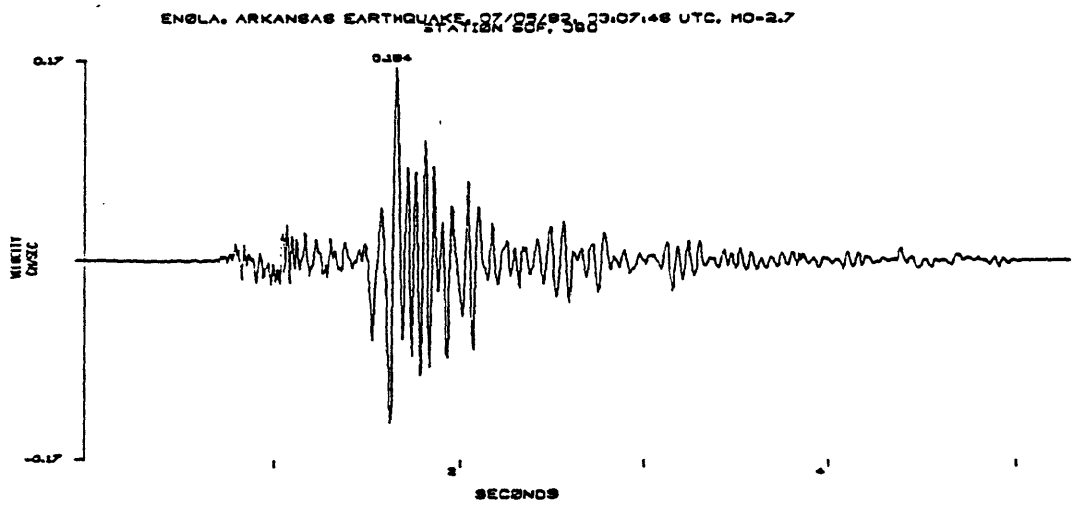

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 03:07:46 UTC, MD=2.7
STATION SDF, VERT
SECONDS

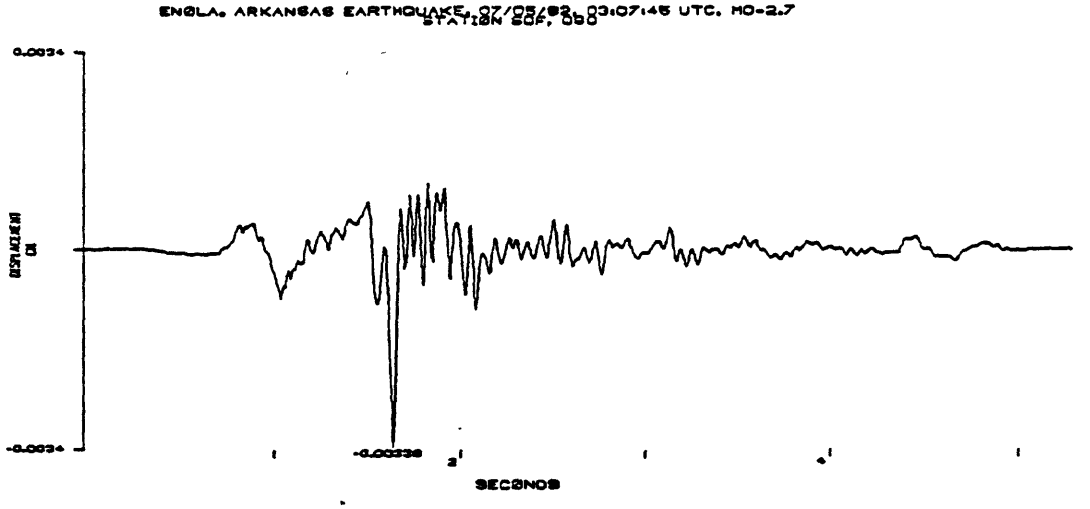

ENOLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD=2.7
STATION SDF, DDD
14.0
-14.0
-13.81
2
4
SECONDS

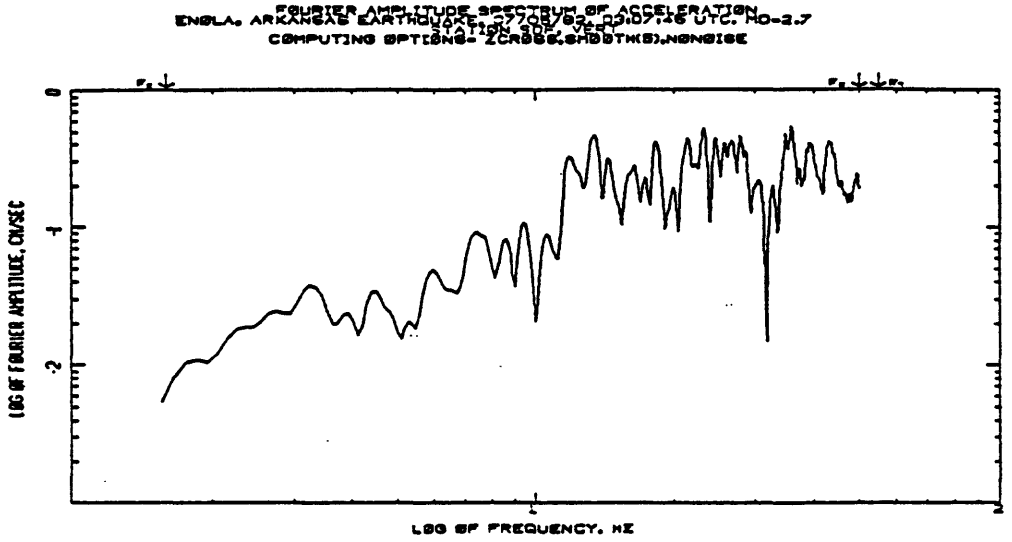

ENOLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD=2.7
STATION SDF, DDD
0.18
-0.18
0.180
2
4
SECONDS

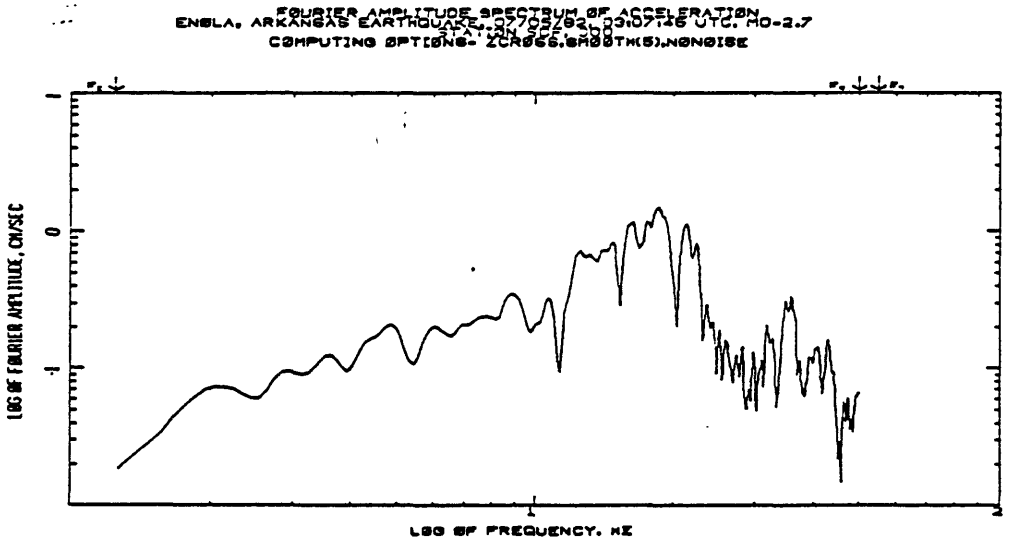

ENOLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:45 UTC, MD=2.7
STATION SDF, DDD
0.0039
-0.0038
-0.00355
2
4
SECONDS

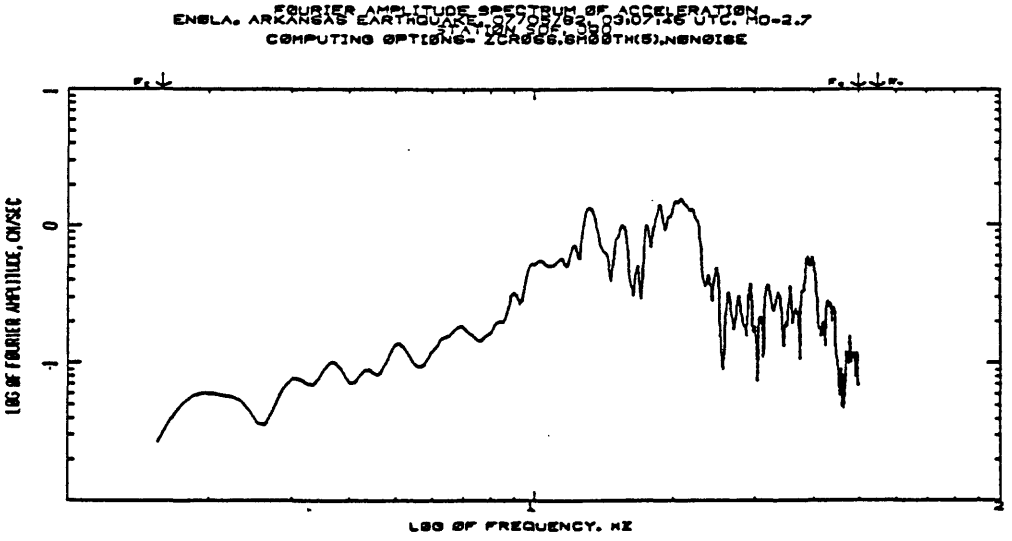

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATIØN SDF, DBD
18.0
-18.0
SECØNDS

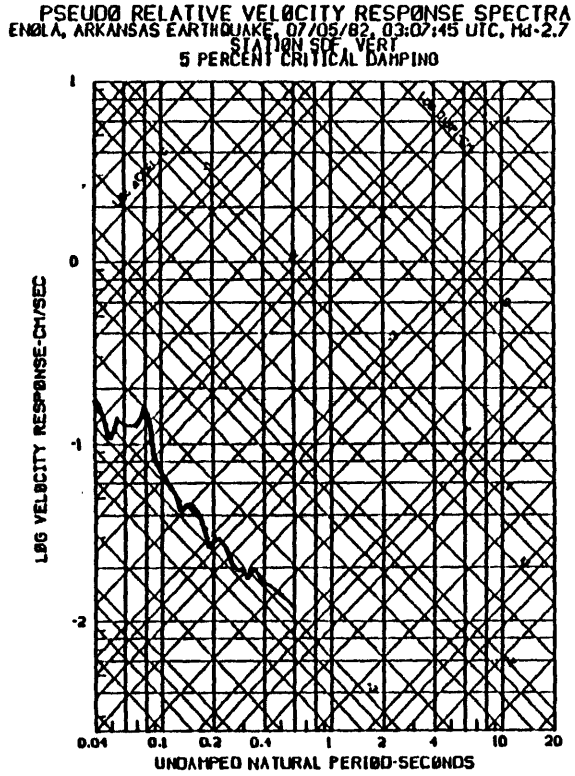

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATIØN SDF, DBD
0.17
-0.17
SECØNDS

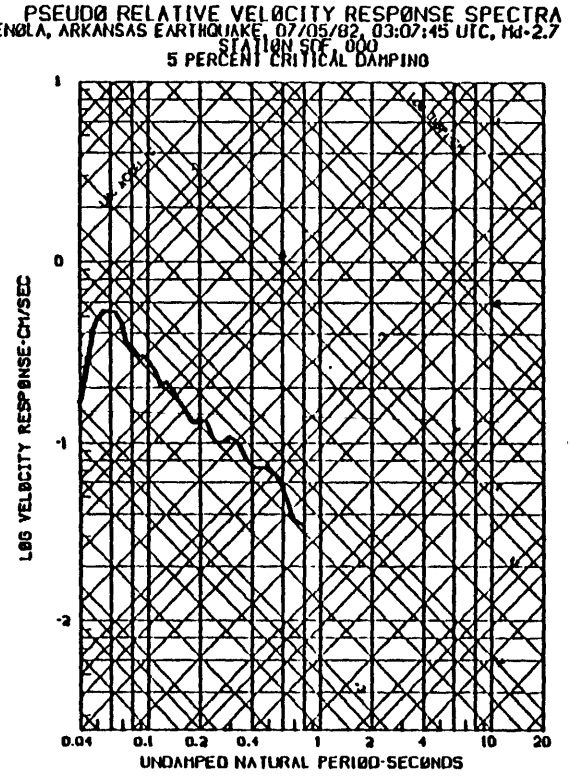

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATIØN SDF, DBD
0.0034
-0.0034
SECØNDS

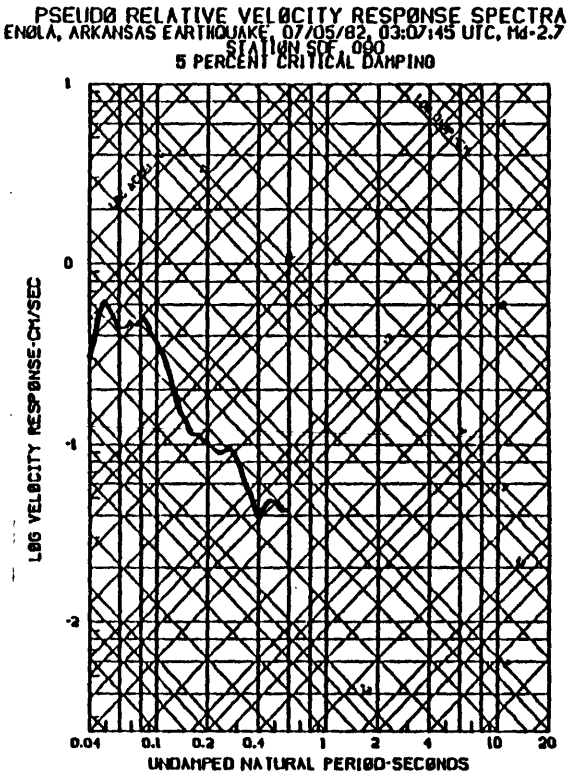

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07/08/63, 03:07:16 UTC, MO=2.7
STATION SOF, VERT
COMPUTING OPTIONS- ZCR066,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

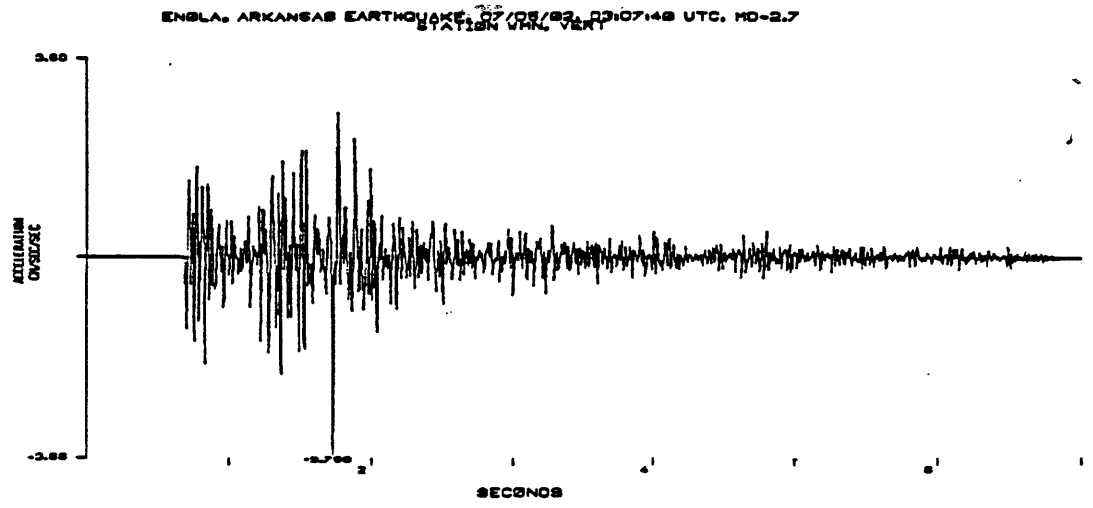

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07/08/63, 03:07:16 UTC, MO=2.7
STATION SOF, HOR
COMPUTING OPTIONS- ZCR066,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

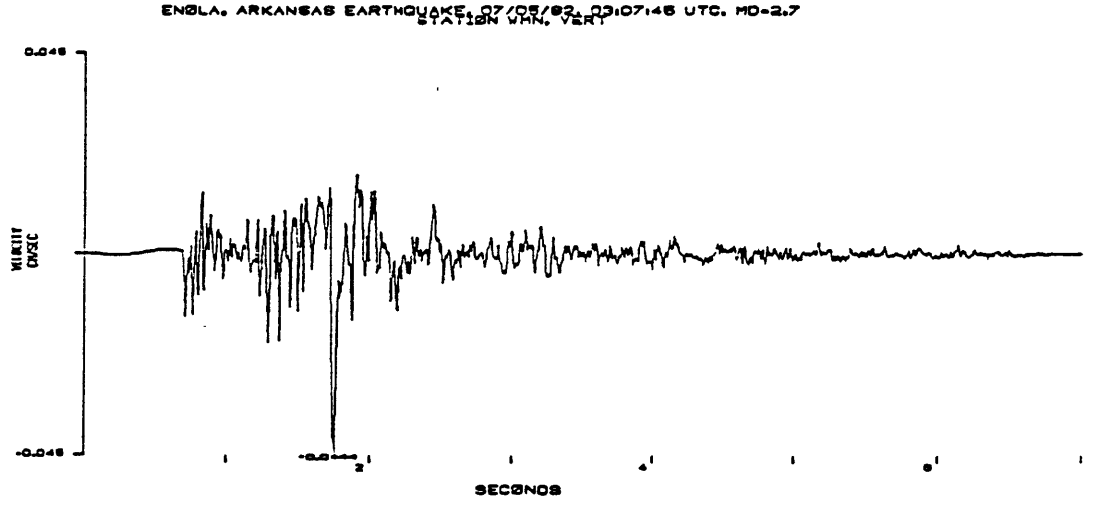

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENGLA, ARKANSAS EARTHQUAKE, 07/08/63, 03:07:16 UTC, MO=2.7
STATION SOF, 090
COMPUTING OPTIONS- ZCR066,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

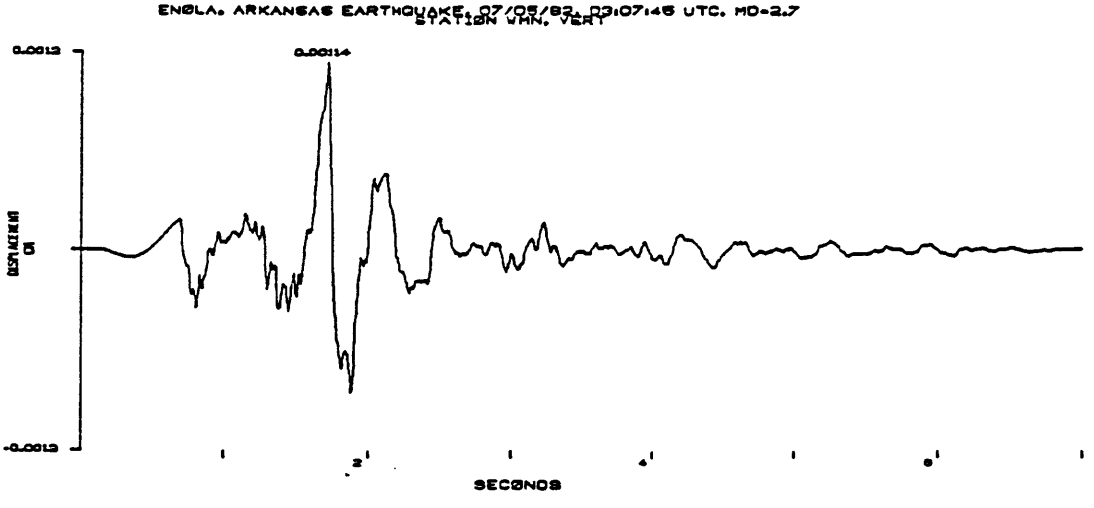

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN SDF VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

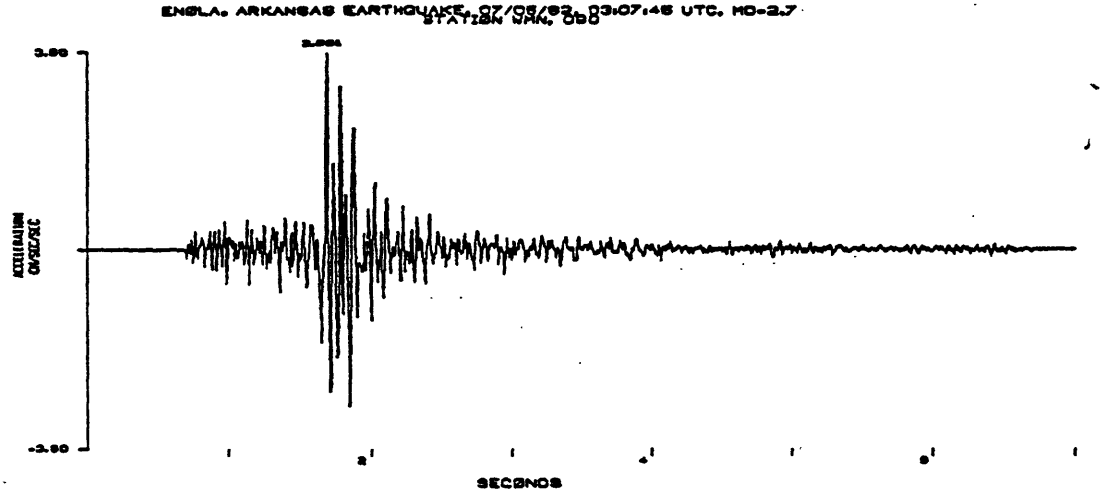

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN SDF 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

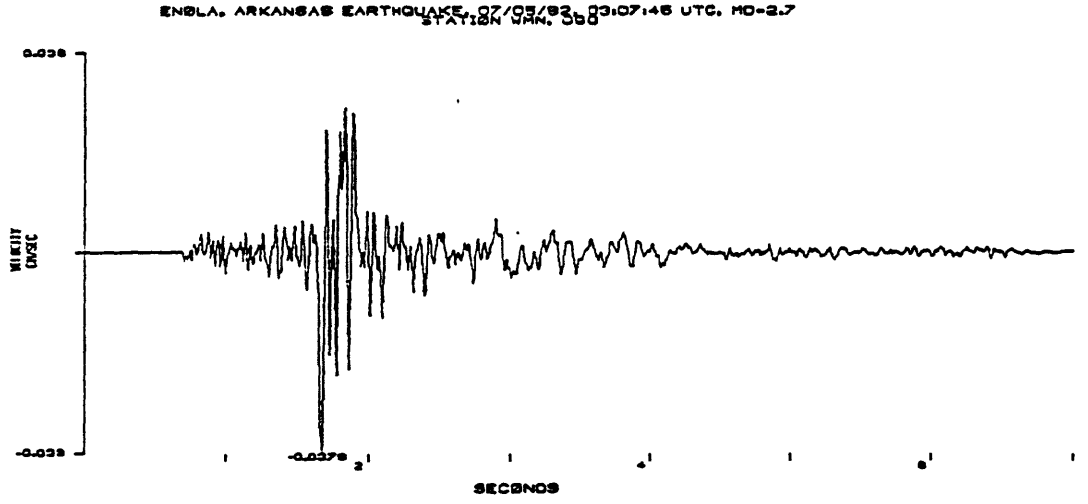

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE 07/05/82, 03:07:45 UTC, Md-2.7
STATIØN SDF 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
1
0
-1
-2
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

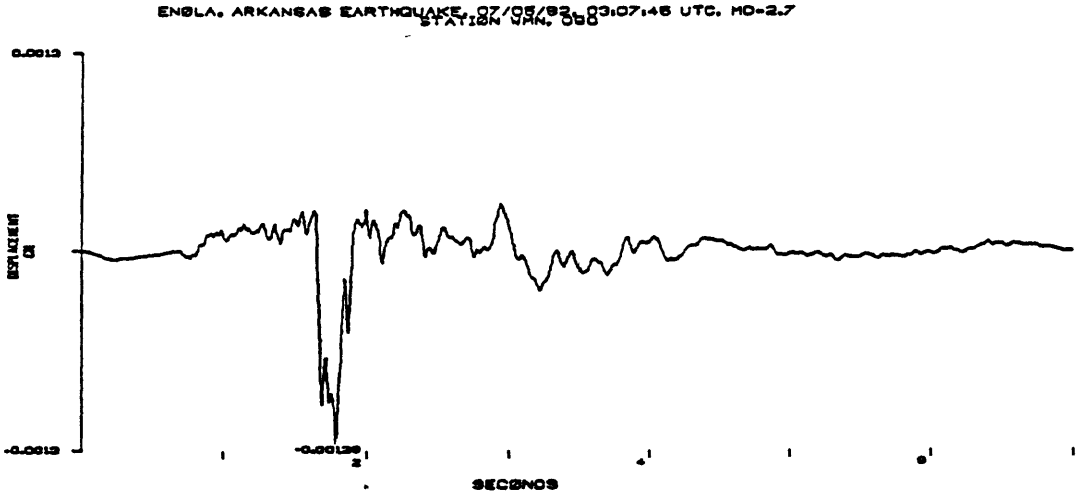

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:40 UTC, MD=2.7
STATION WHN, VERT
3.60
-3.60
ACCELERATION
CM/SEC/SEC
SECONDS

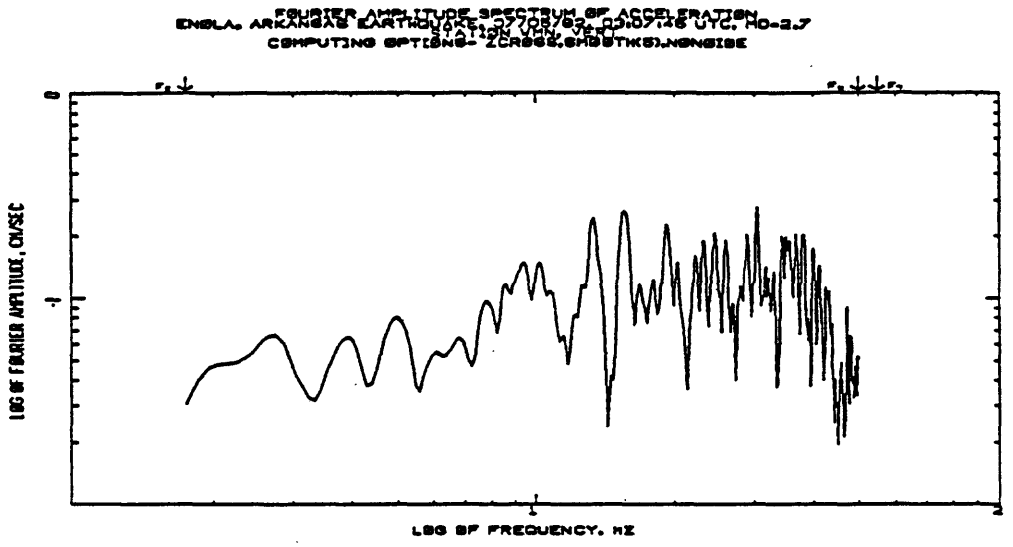

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION WHN, VERT
0.045
-0.045
VELOCITY
CM/SEC
SECONDS

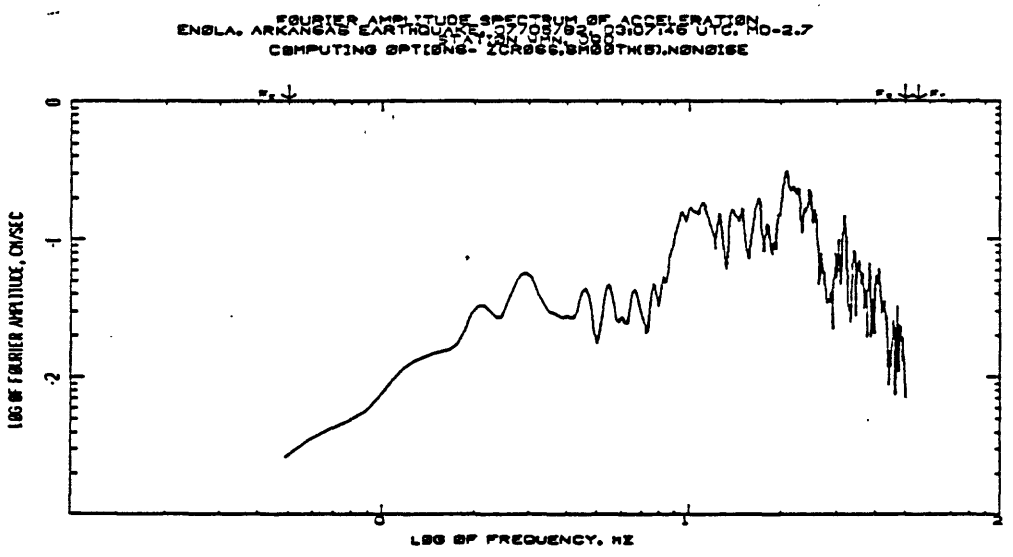

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:45 UTC, MD=2.7
STATION WHN, VERT
0.0012
0.00114
-0.0012
DISPLACEMENT
CM
SECONDS

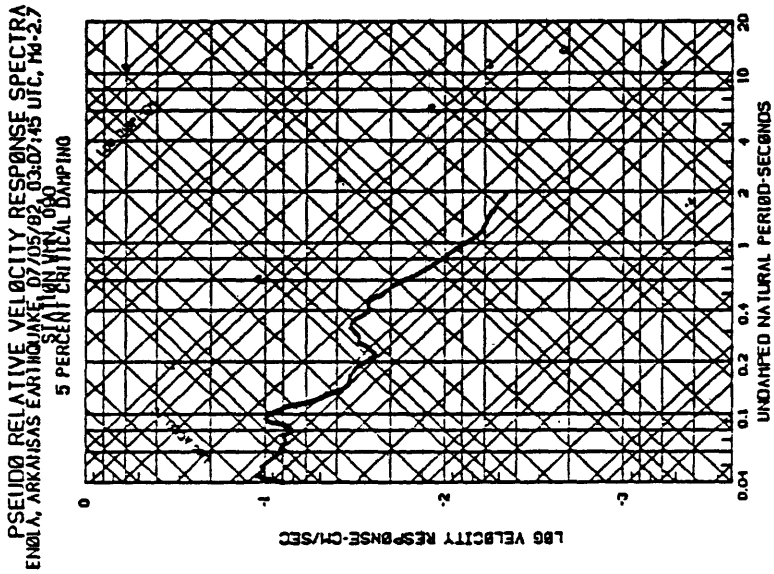

ENOLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:46 UTC, MD=2.7
STATION UMM, DD
SECONDS

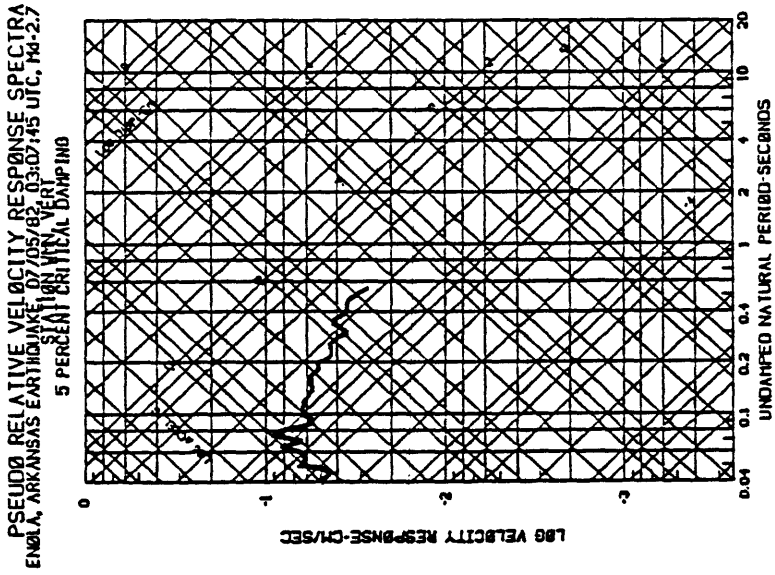

ENOLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:46 UTC, MD=2.7
STATION UMM, DD
SECONDS

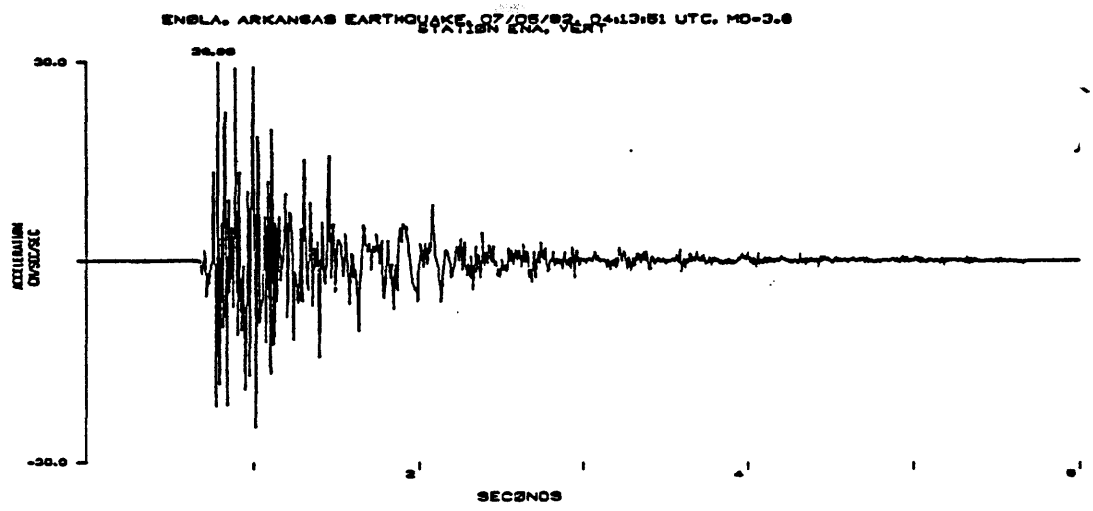

ENOLA, ARKANSAS EARTHQUAKE, 07/05/92, 03:07:46 UTC, MD=2.7
STATION UMM, DD
SECONDS

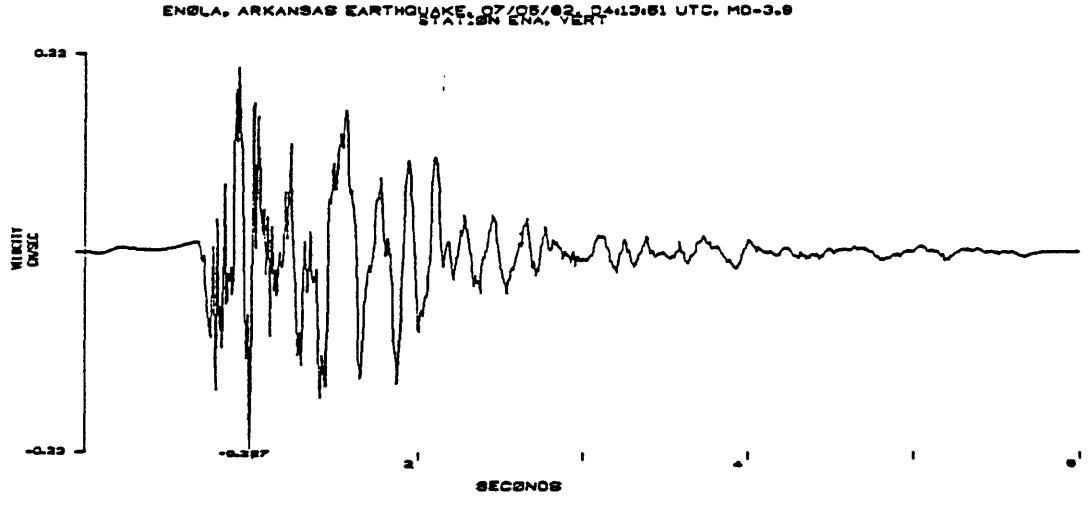

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION VHN, VERT
COMPUTING OPTIONS- ZCR866,SM88TH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
LOG OF FREQUENCY, HZ

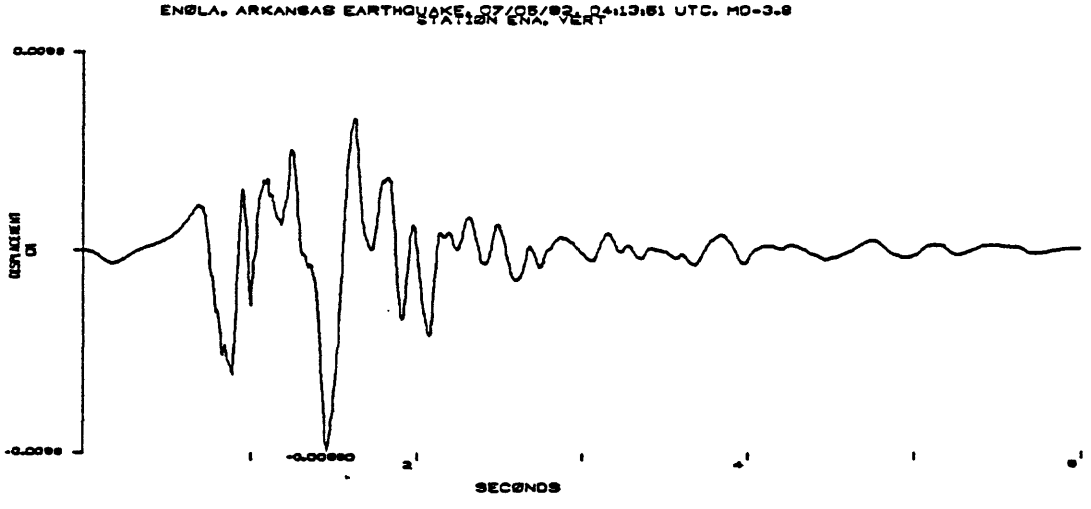

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 03:07:46 UTC, MD=2.7
STATION VHN, VERT
COMPUTING OPTIONS- ZCR866,SM88TH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
-2
LOG OF FREQUENCY, HZ

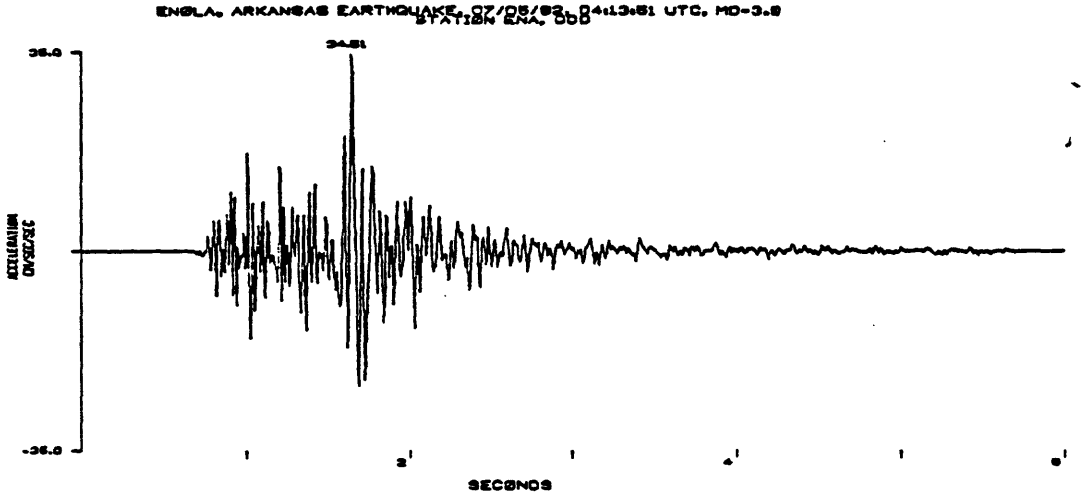

PSEUDO RELATIVE VELOCITY RESPONSE SPECTRA
ENOLA, ARKANSAS EARTHQUAKE 07/05/82 03:07:45 UTC, Md-2.7
STATION VMN, 690
5 PERCENT CRITICAL DAMPING
LOG VELOCITY RESPONSE-CM/SEC
UNDAMPED NATURAL PERIOD-SECONDS

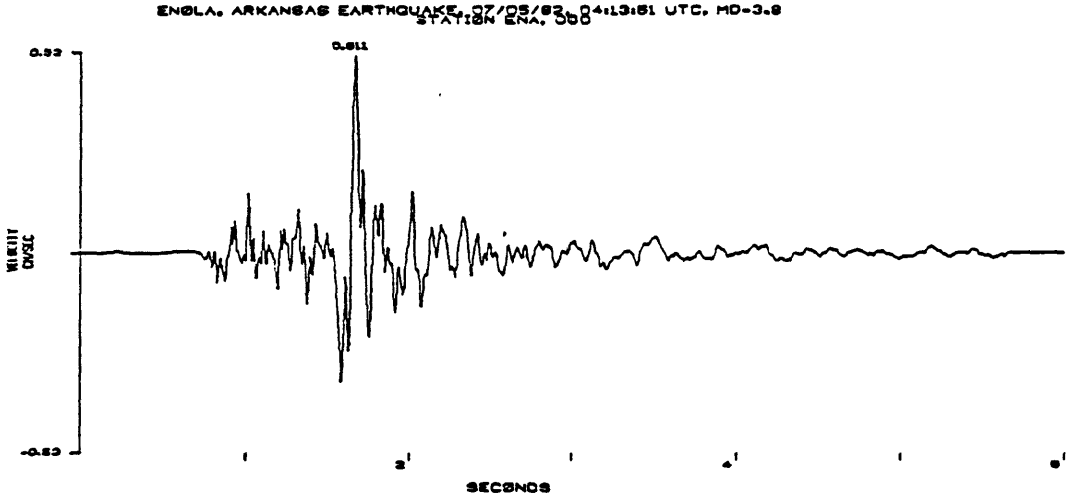

PSEUDO RELATIVE VELOCITY RESPONSE SPECTRA
ENOLA, ARKANSAS EARTHQUAKE 07/05/82 03:07:45 UTC, Md-2.7
STATION VMN, VERT
5 PERCENT CRITICAL DAMPING
LOG VELOCITY RESPONSE-CM/SEC
UNDAMPED NATURAL PERIOD-SECONDS

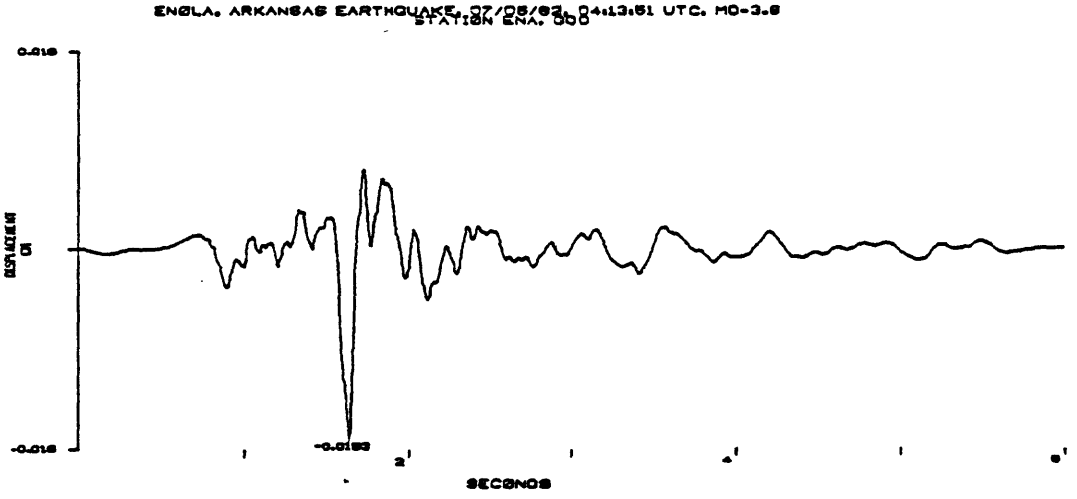

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATIØN ENA, VERT
30.0
-30.0
SECØNDS

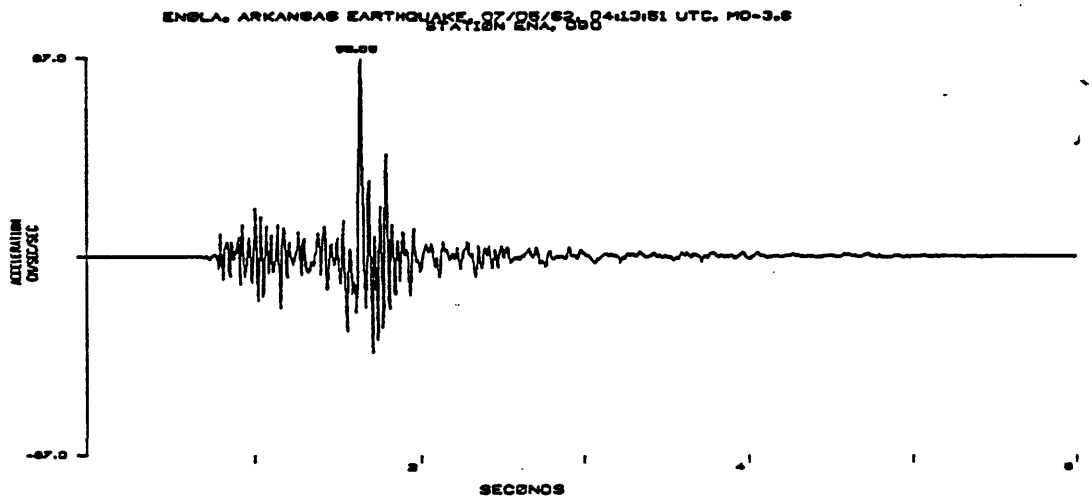

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATIØN ENA, VERT
0.22
-0.22
SECØNDS

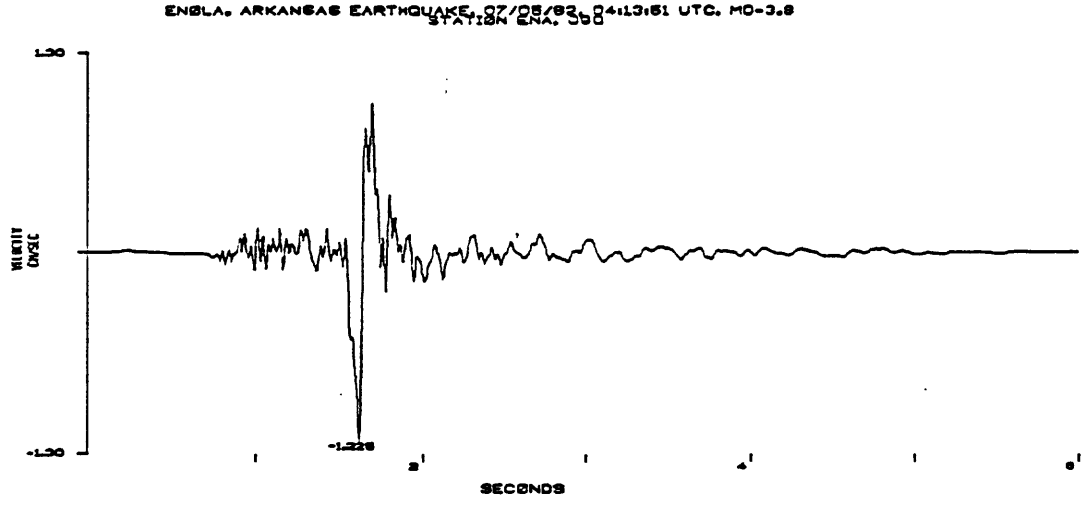

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATIØN ENA, VERT
SECØNDS

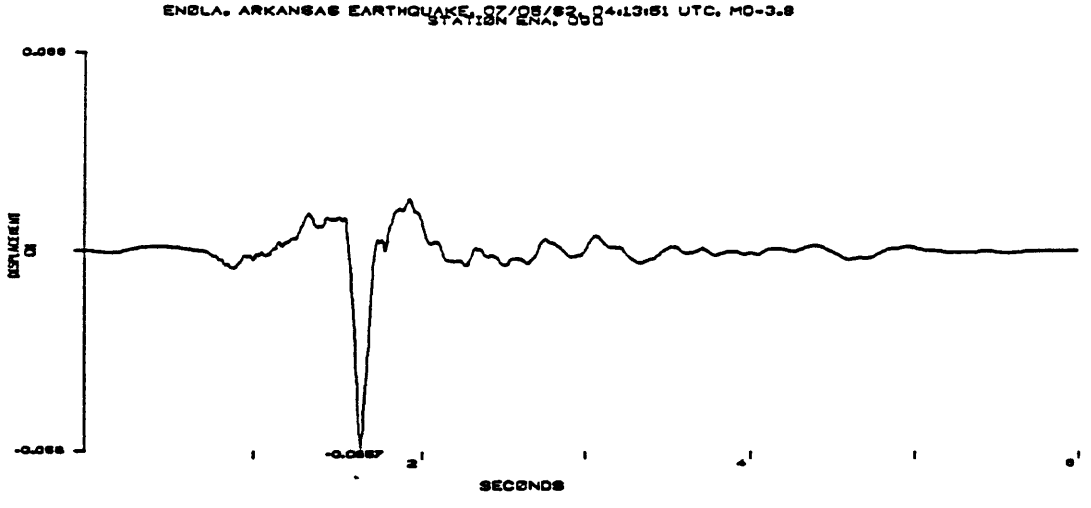

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:13:51 UTC, MD=3.8
STATION ENA, 000
34.81
36.0
-36.0
ACCELERATION CM/SEC/SEC
1
2
4
6
SECONDS

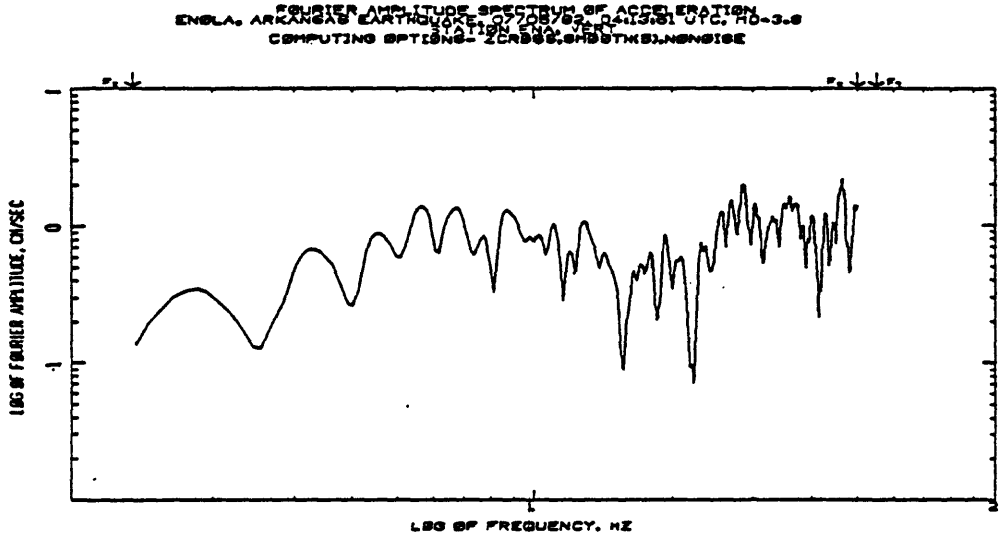

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:13:51 UTC, MD=3.8
STATION ENA, 000
0.611
0.92
-0.53
VELOCITY CM/SEC
1
2
4
6
SECONDS

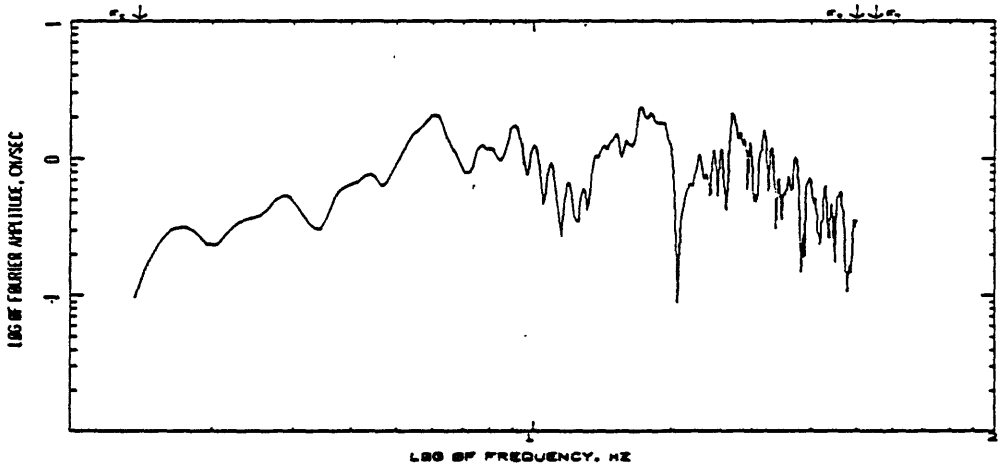

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:13:51 UTC, MD=3.8
STATION ENA, 000
0.018
-0.018
-0.0183
DISPLACEMENT CM
1
2
4
6
SECONDS

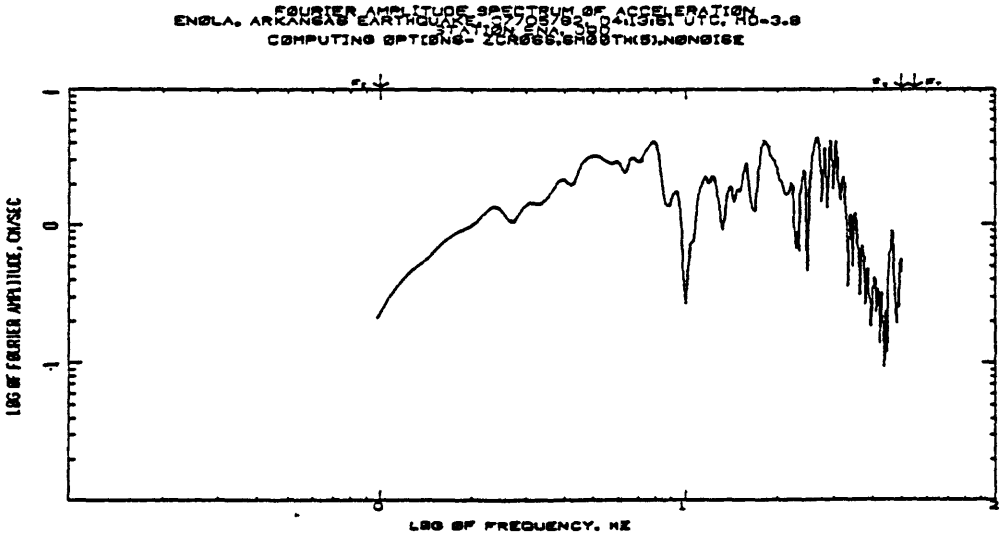

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION ENA, 000
ACCELERATION CM/SEC/SEC
SECONDS

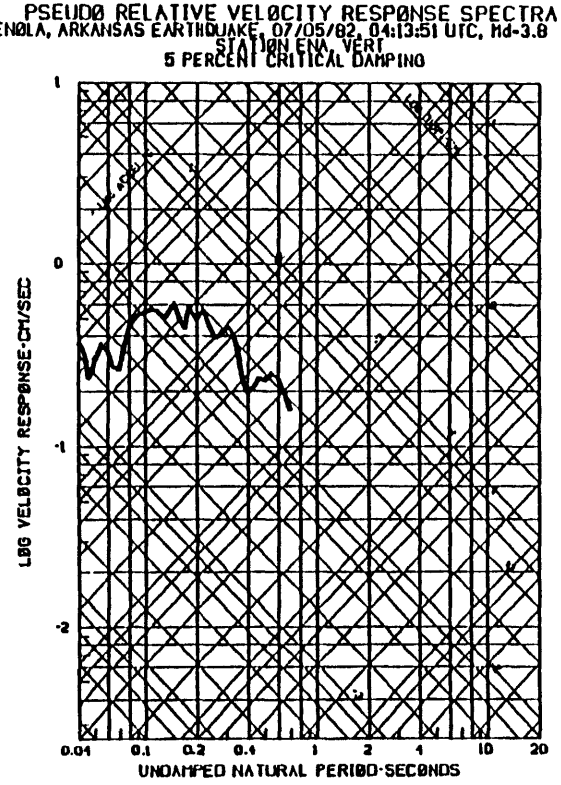

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION ENA, 000
VELOCITY CM/SEC
SECONDS

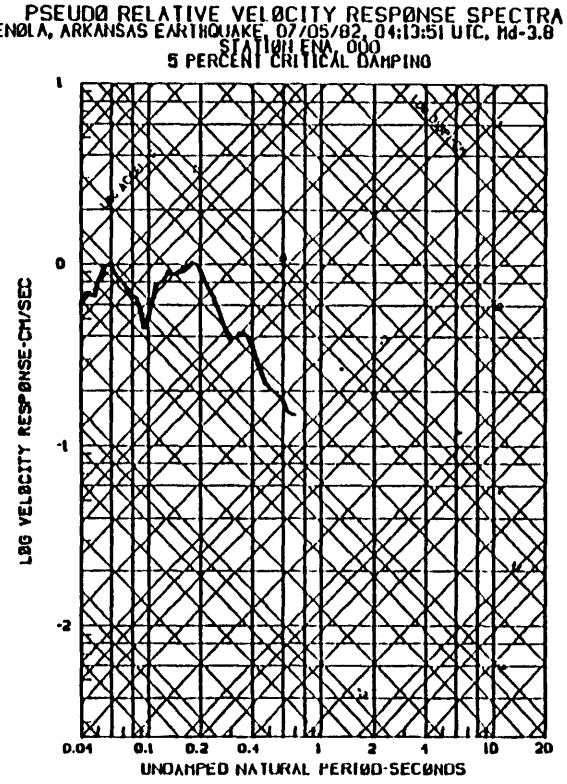

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION ENA, 000
DISPLACEMENT CM
SECONDS

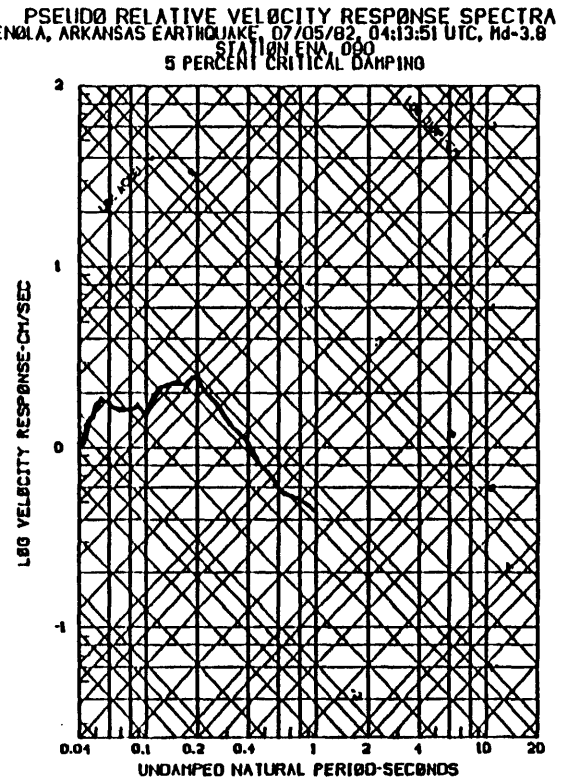

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION ENA, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

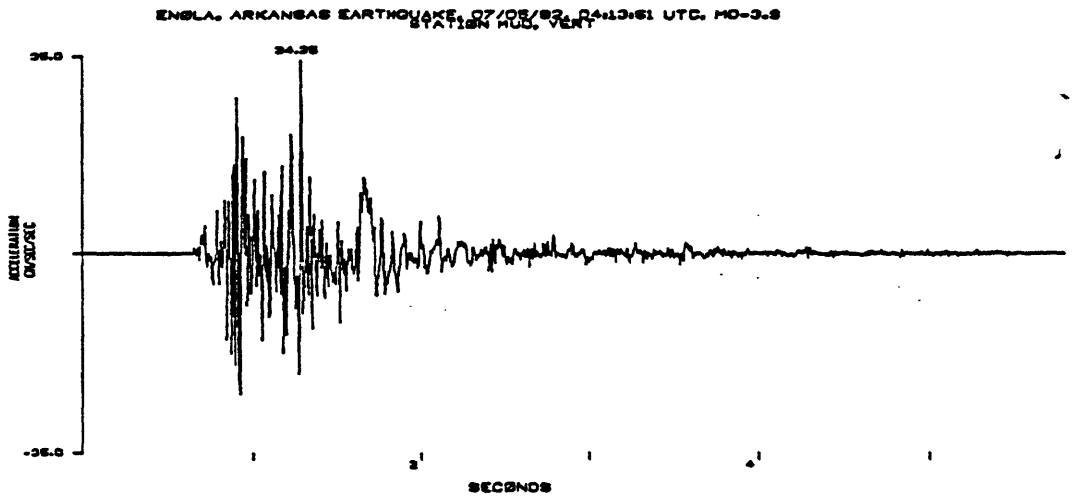

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION ENA, 90
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

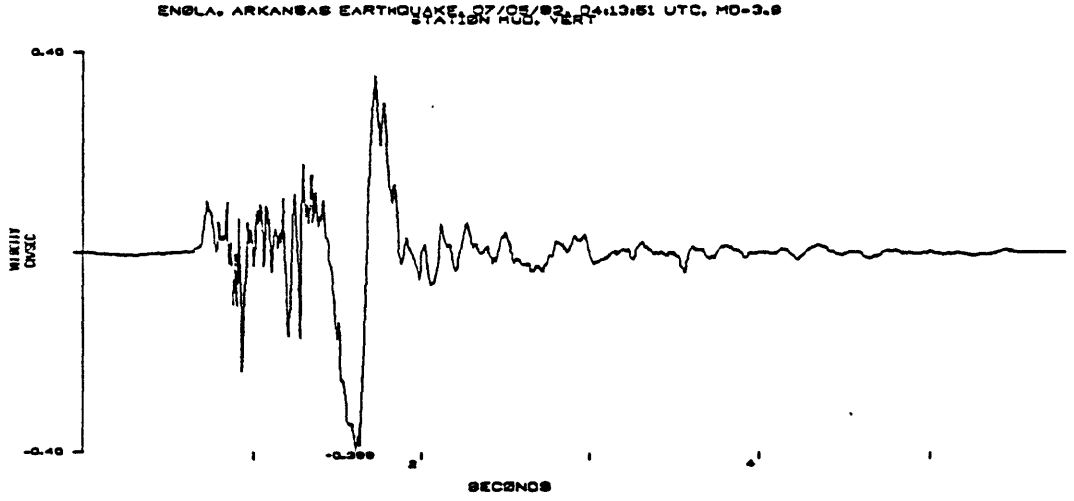

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION ENA, UP
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

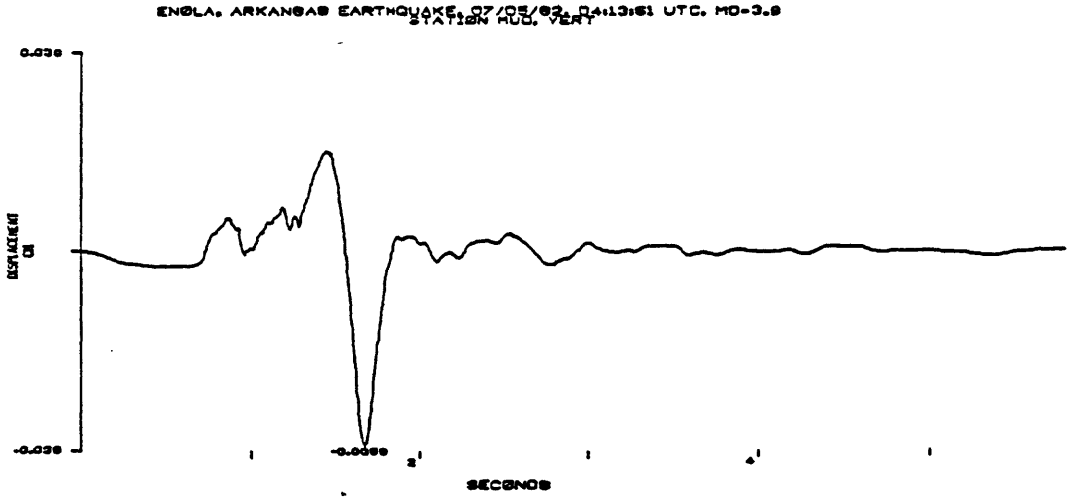

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN ENA, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

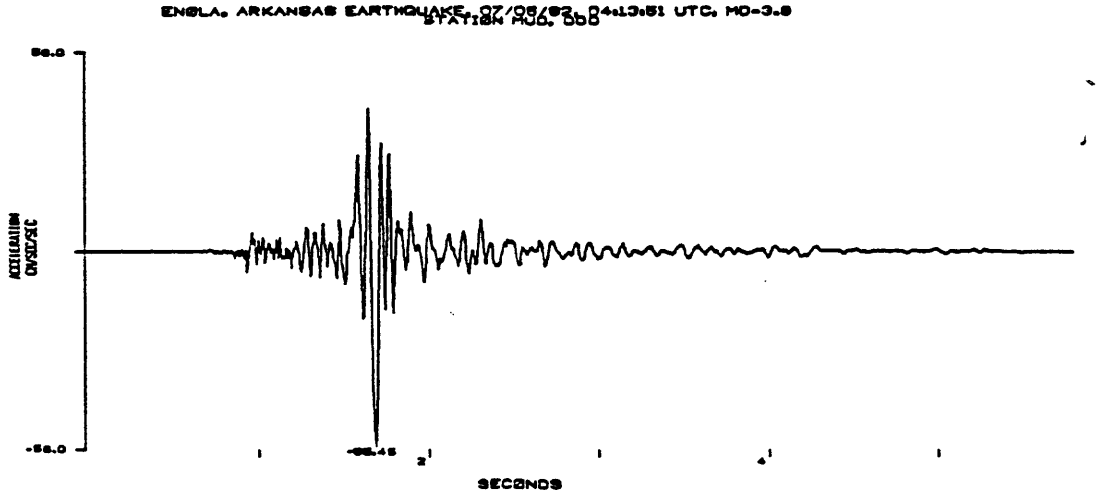

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN ENA, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

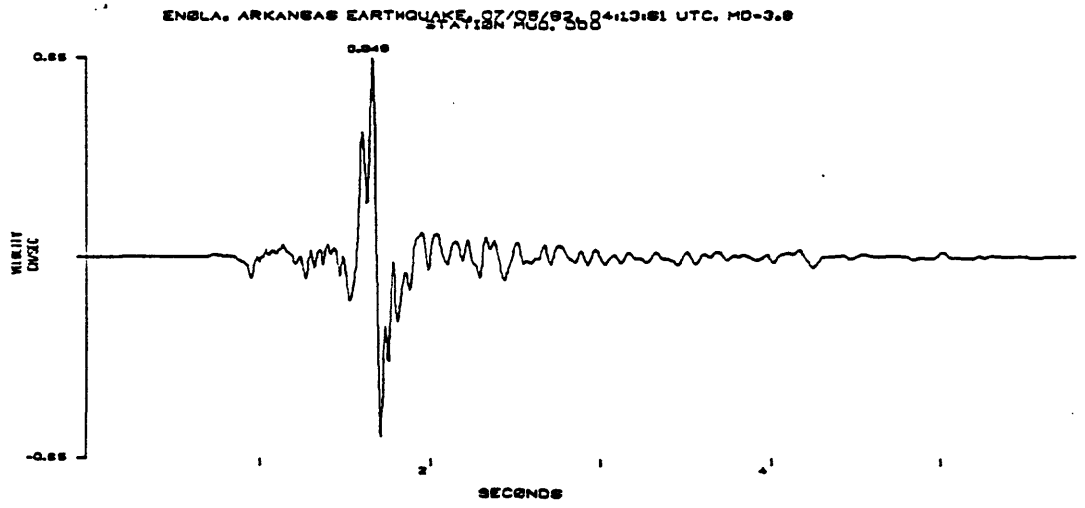

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN ENA, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

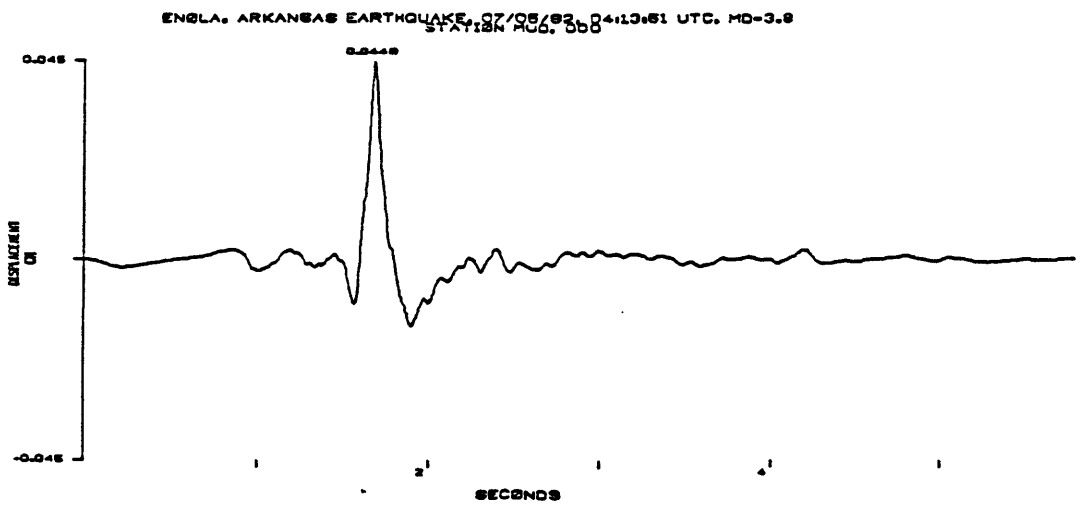

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:61 UTC, MD=3.8
STATION HUD, VERT
34.36
-36.0
SECONDS

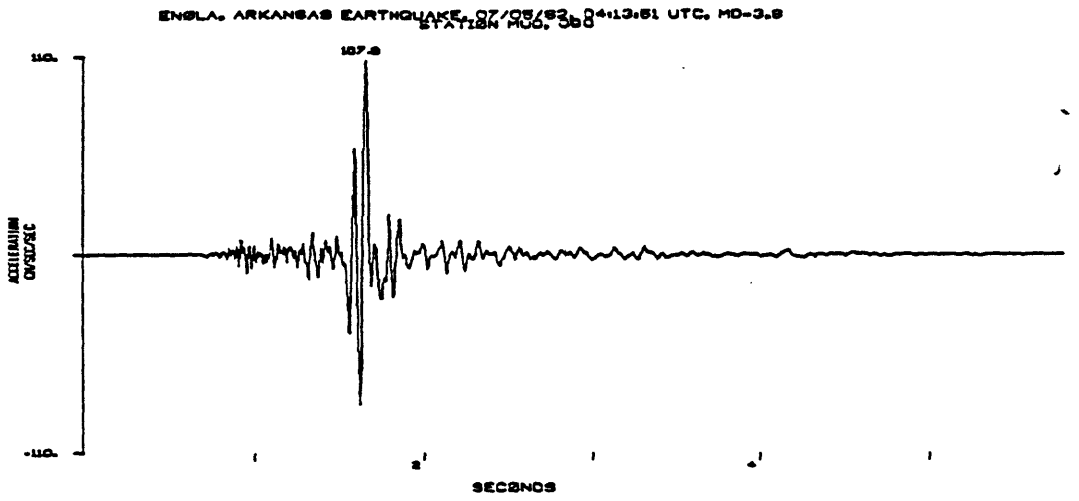

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:61 UTC, MD=3.8
STATION HUD, VERT
0.40
-0.40
-0.399
SECONDS

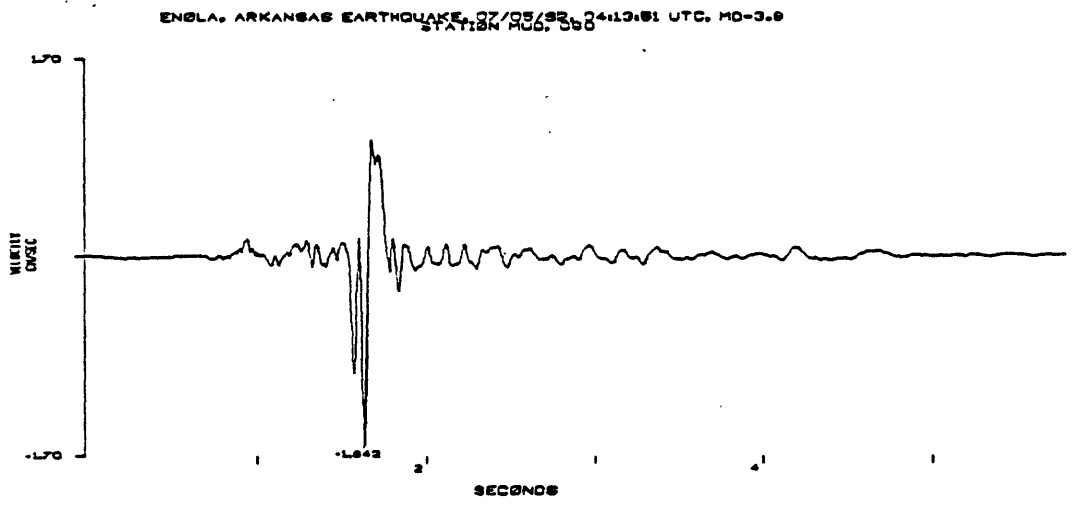

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:61 UTC, MD=3.8
STATION HUD, VERT
0.039
-0.039
SECONDS

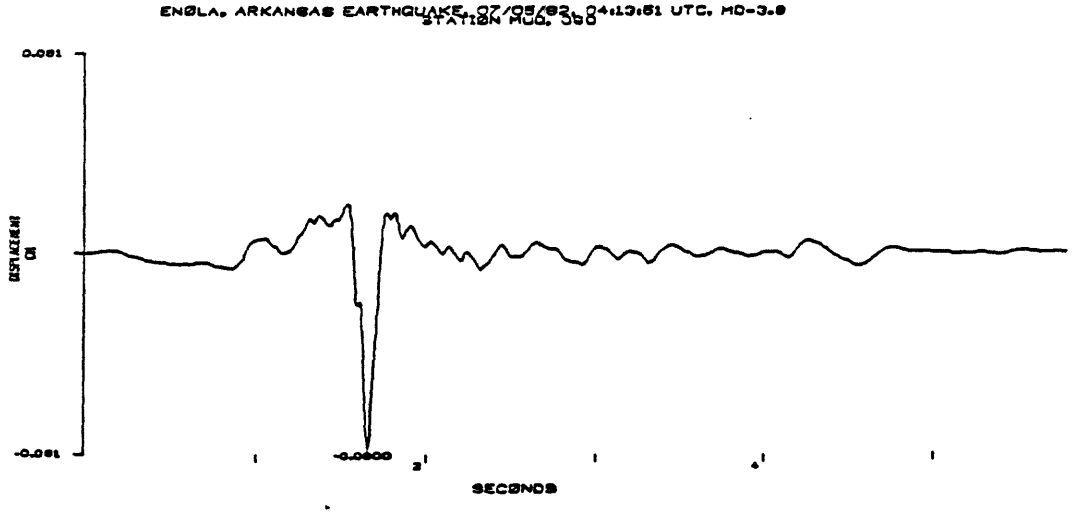

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION HUC, SHZ
SECONDS

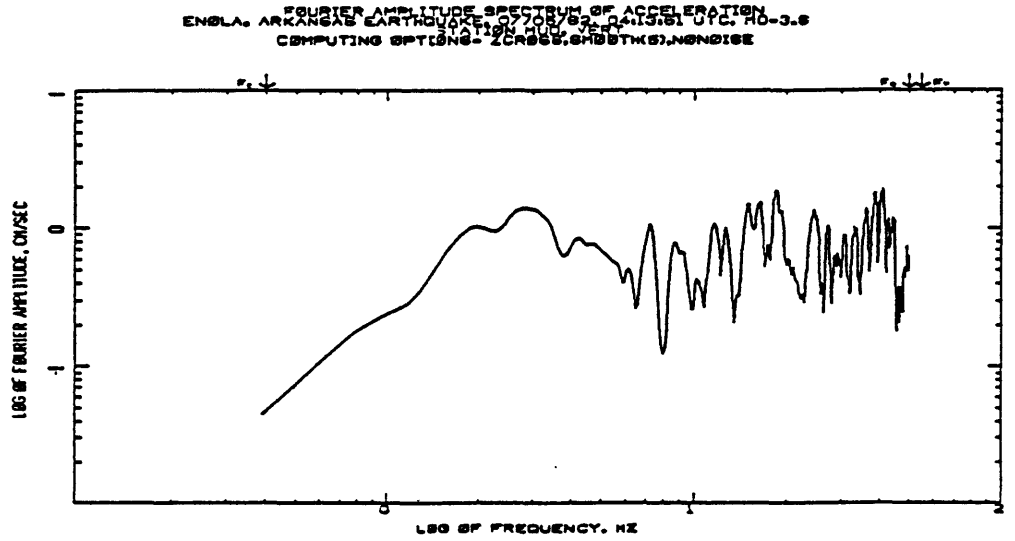

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION HUC, SHZ
SECONDS

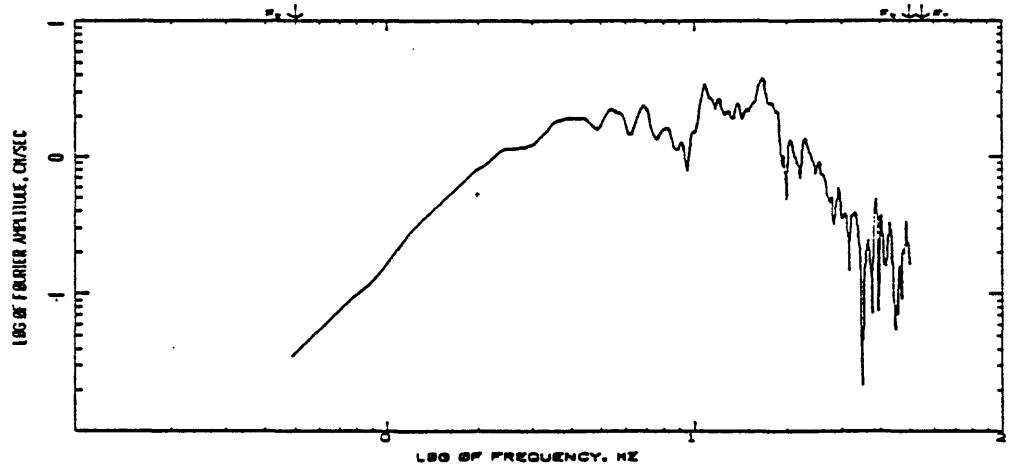

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION HUC, SHZ
SECONDS

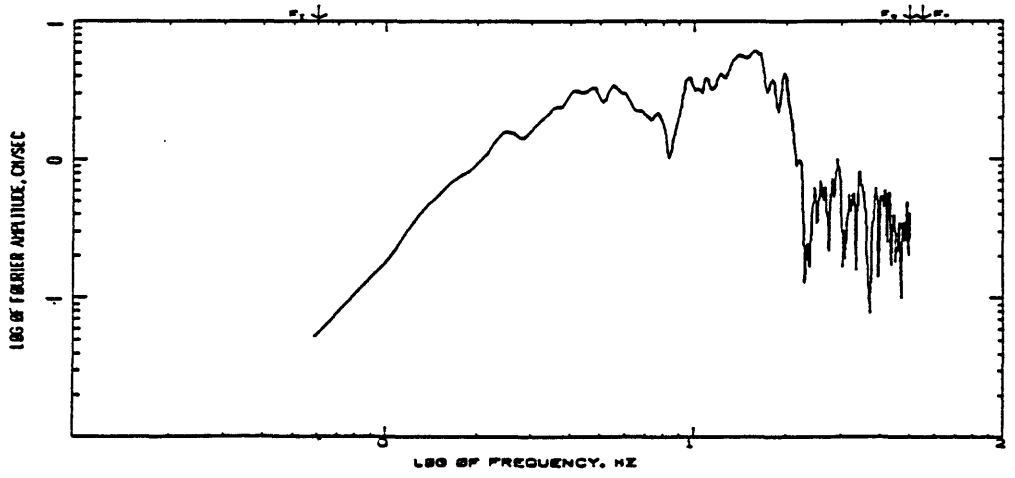

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD-3.9
STATIØN MUD, 0b0
110.
107.8
-110.
2
4
SECØNDS

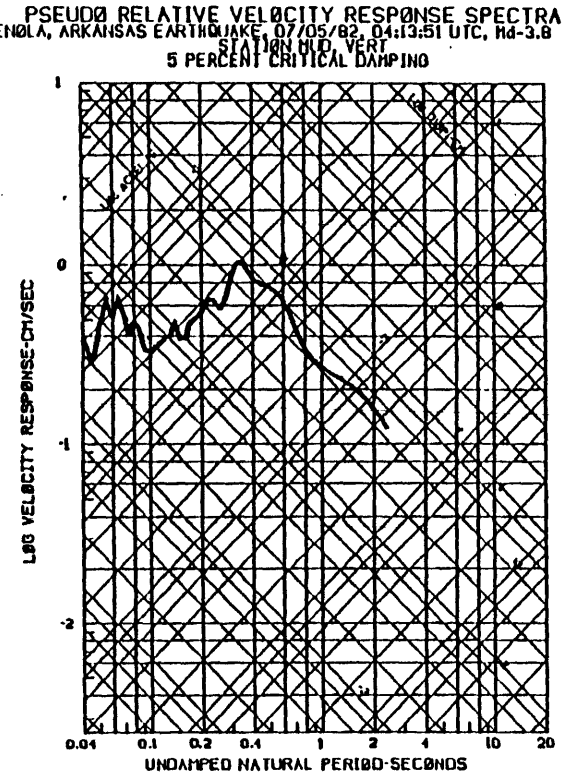

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD-3.9
STATIØN MUD, 0b0
1.70
-1.70
-1.842
2
4
SECØNDS

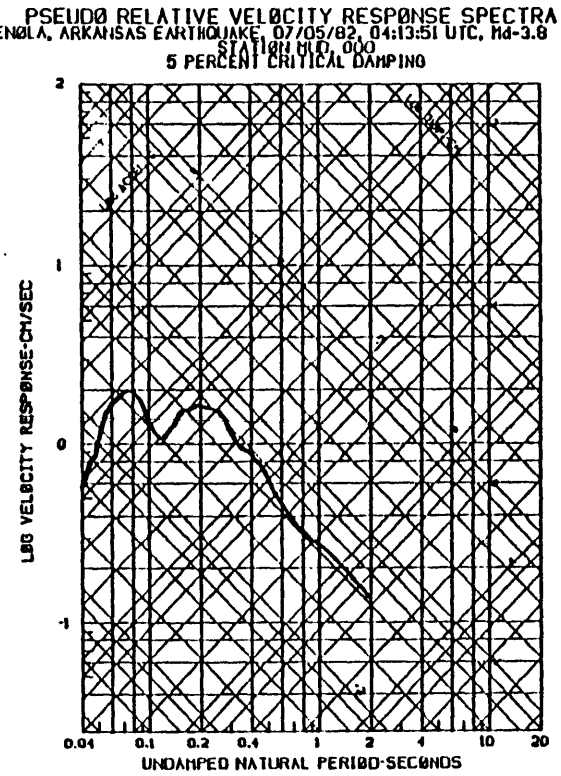

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD-3.9
STATIØN MUD, 0b0
0.081
-0.081
-0.0800
2
4
SECØNDS

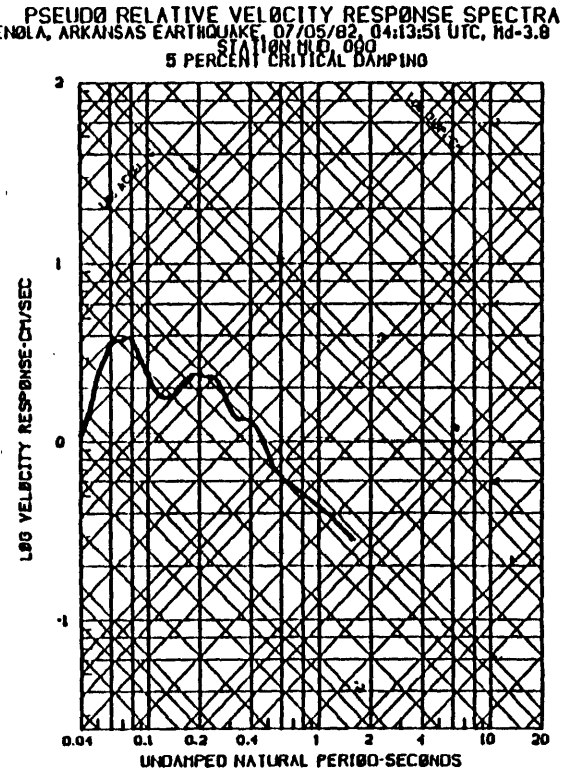

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:01 UTC, MO=3.6
STATION HUD, VERT
COMPUTING OPTIONS- ICRSCS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

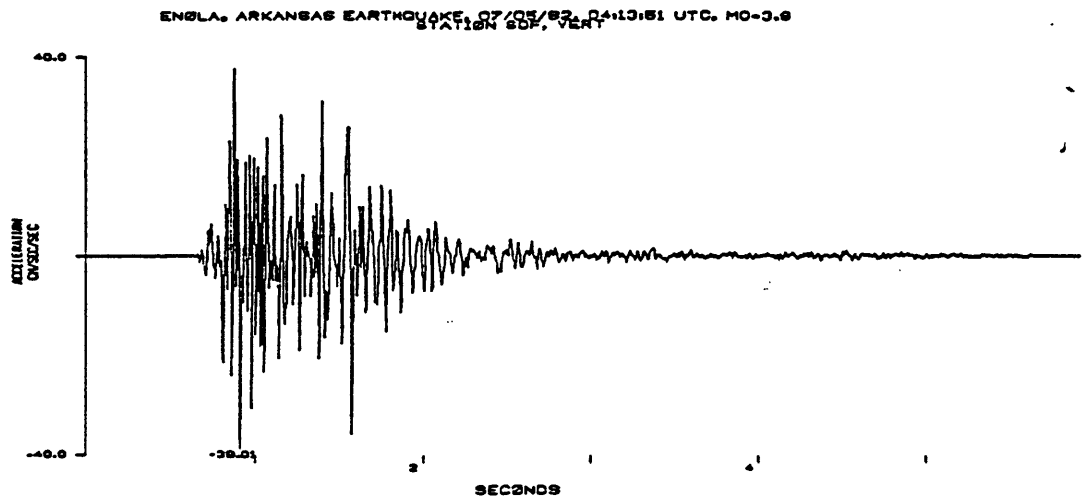

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:01 UTC, MO=3.6
STATION HUD, 090
COMPUTING OPTIONS- ICRSCS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

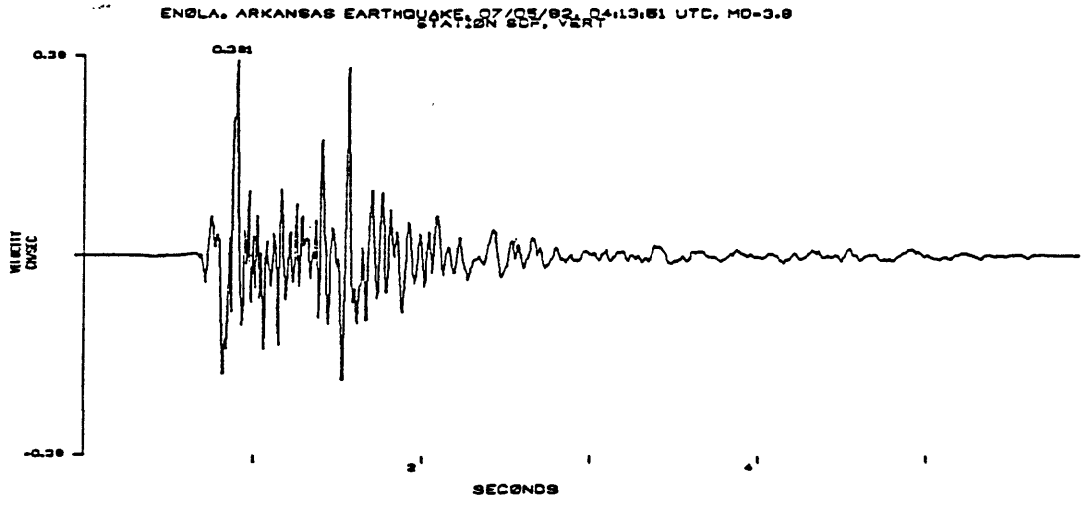

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:01 UTC, MO=3.6
STATION HUD, 360
COMPUTING OPTIONS- ICRSCS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

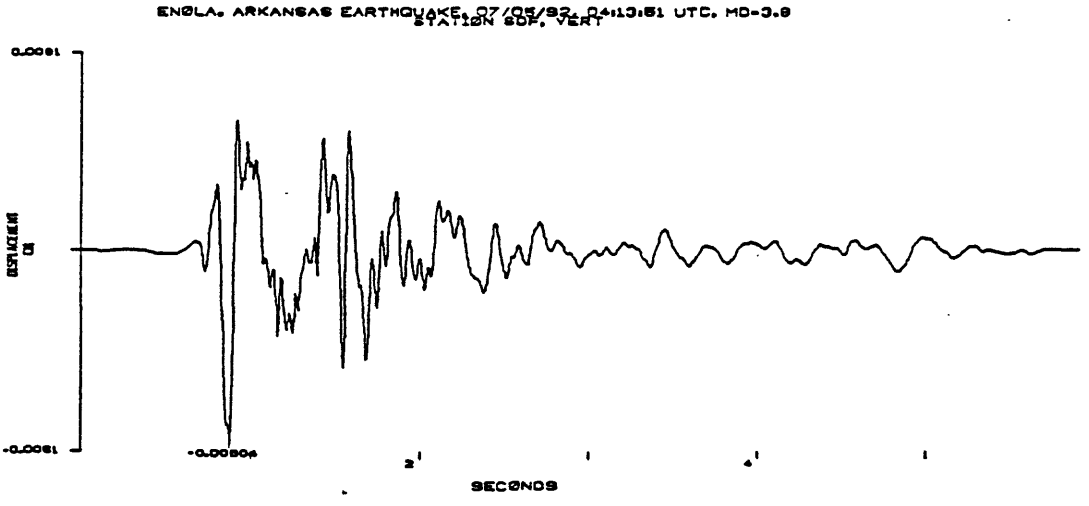

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN MLD, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

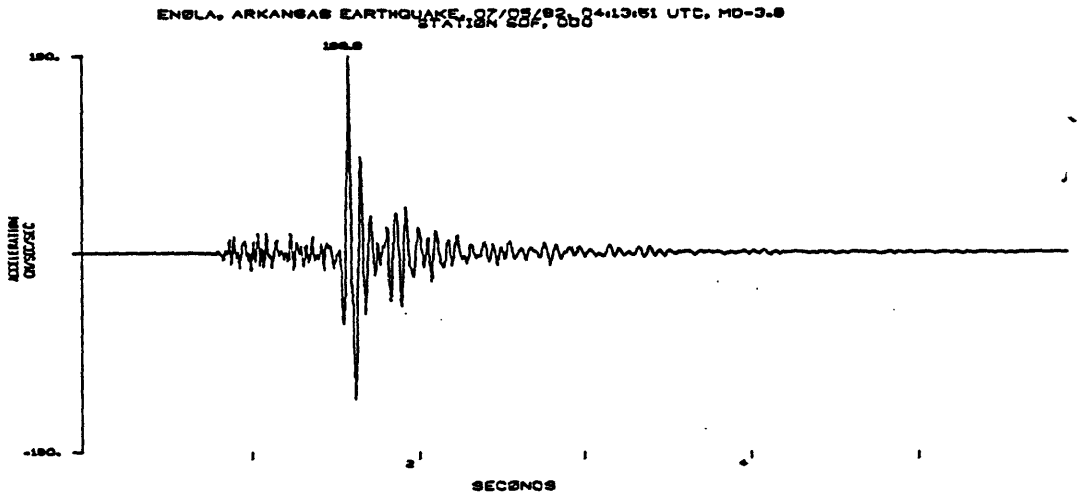

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN MLD, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

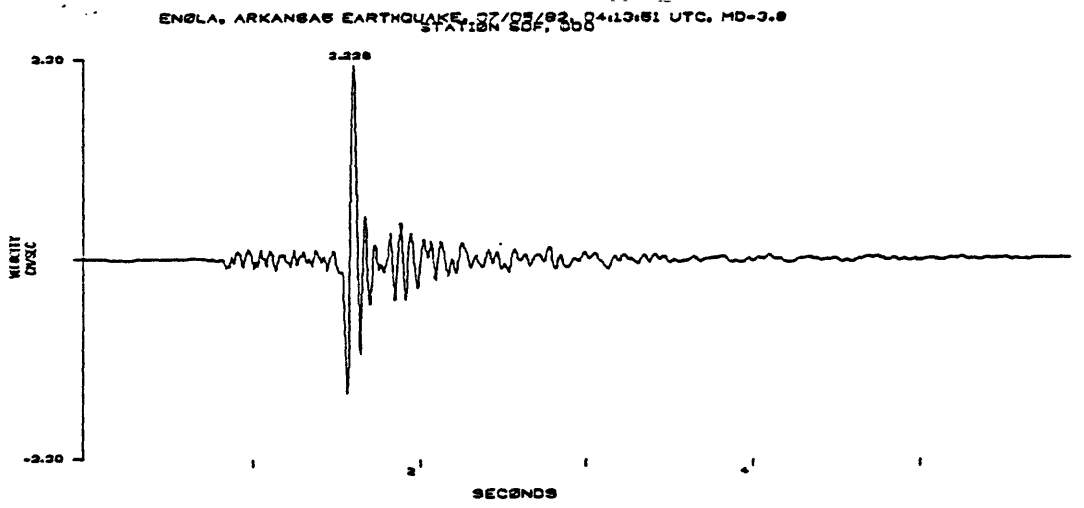

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN MLD, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.01
0.1
0.2
0.4
1
2
4
10
20

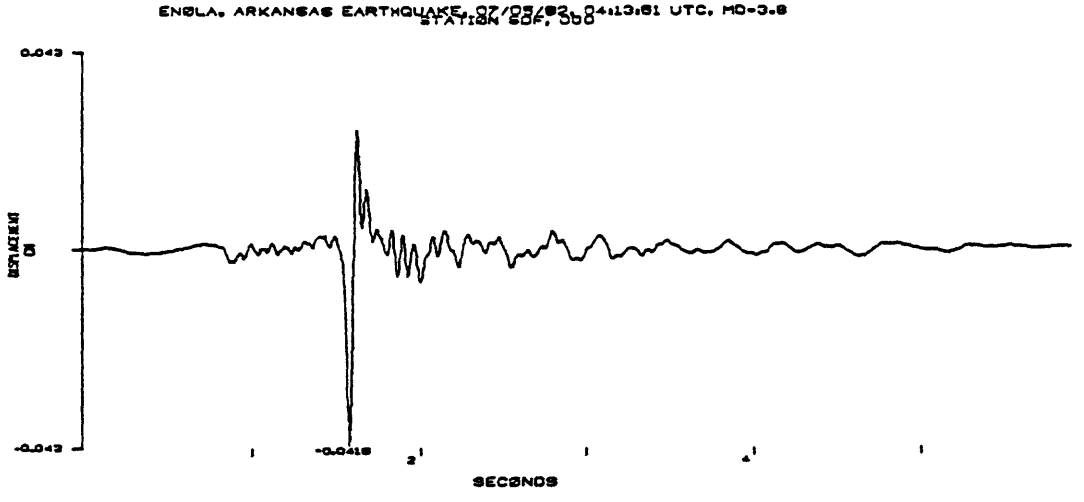

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION SDF, VERT
40.0
-40.0
-39.01
2
4
SECONDS

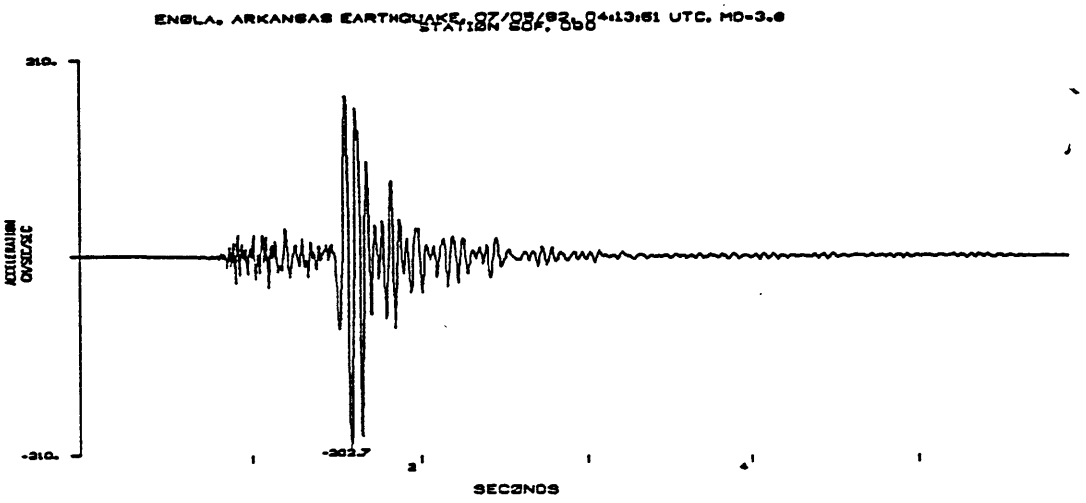

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION SDF, VERT
0.30
-0.30
0.281
2
4
SECONDS

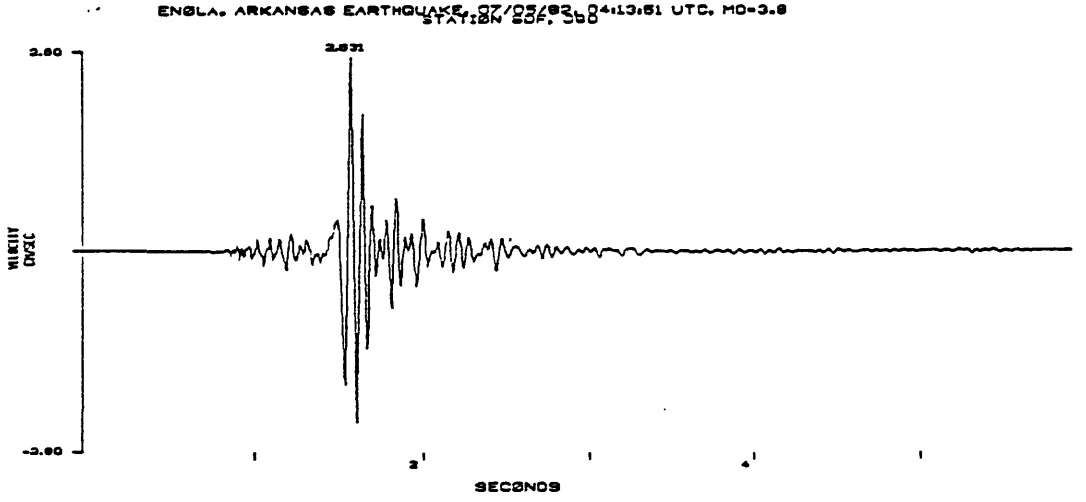

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION SDF, VERT
0.0001
-0.0001
-0.000804
2
4
SECONDS

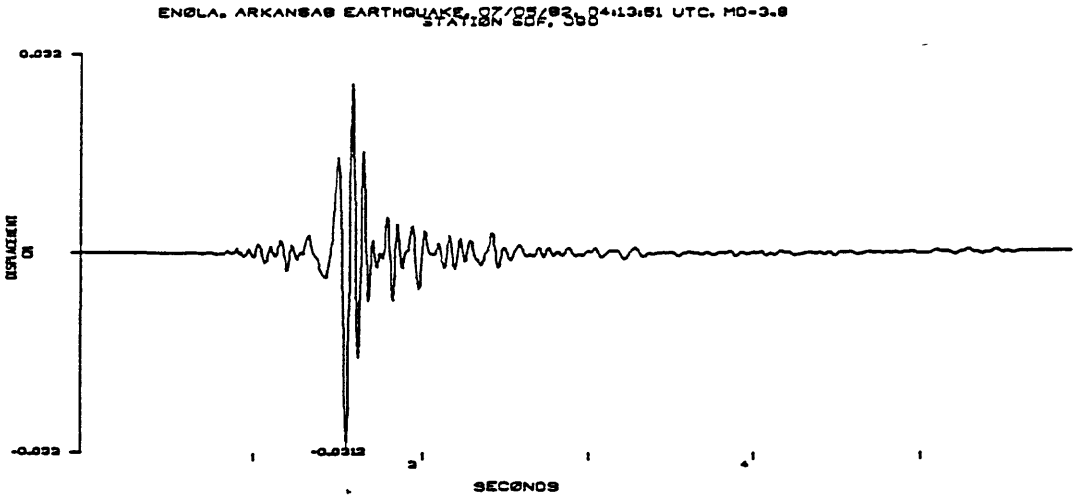

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION EOF, DD
180.
-180.
SECONDS

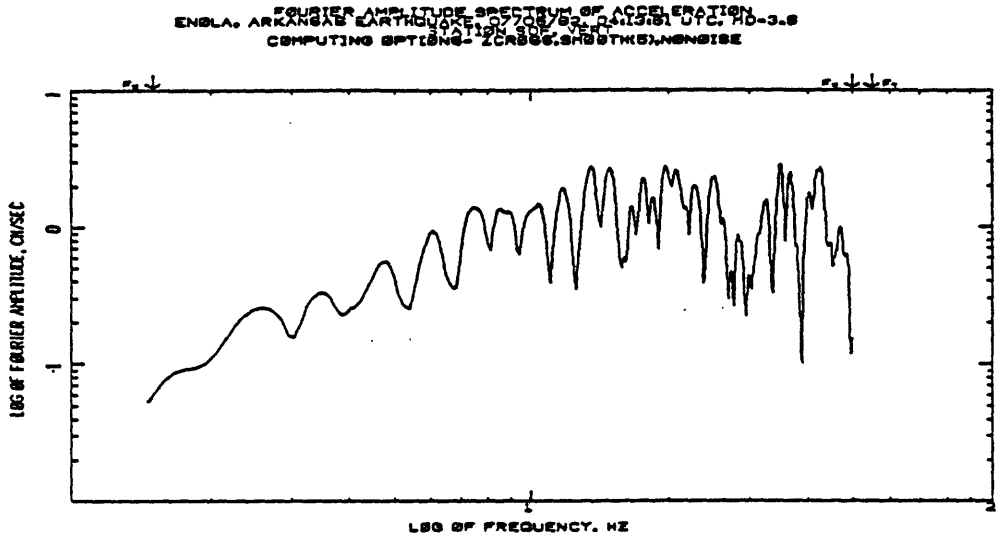

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION EOF, DD
2.20
-2.20
SECONDS

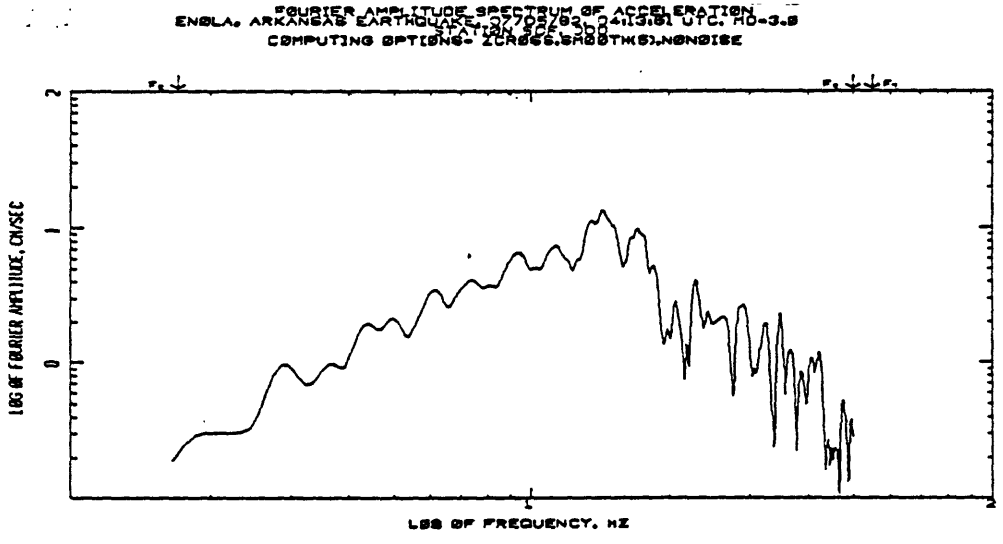

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION EOF, DD
0.043
-0.043
-0.0418
SECONDS

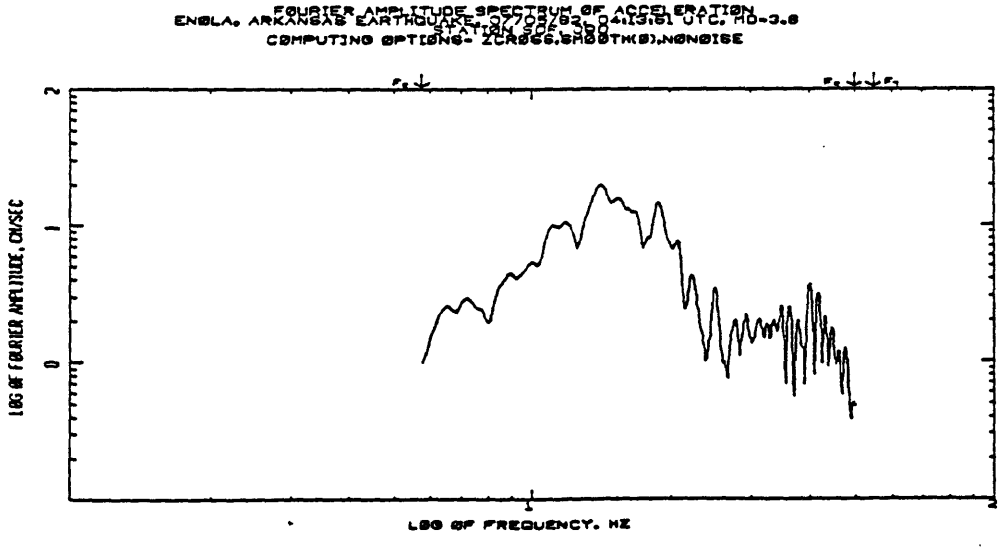

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION SDF, JBD
310.
-310.
-302.7
SECØNDS

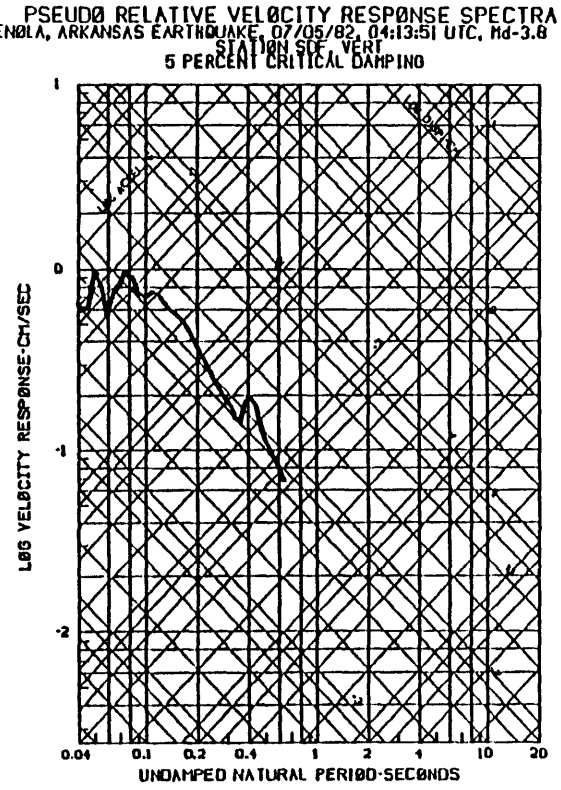

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION SDF, JBD
2.80
2.831
-3.80
SECØNDS

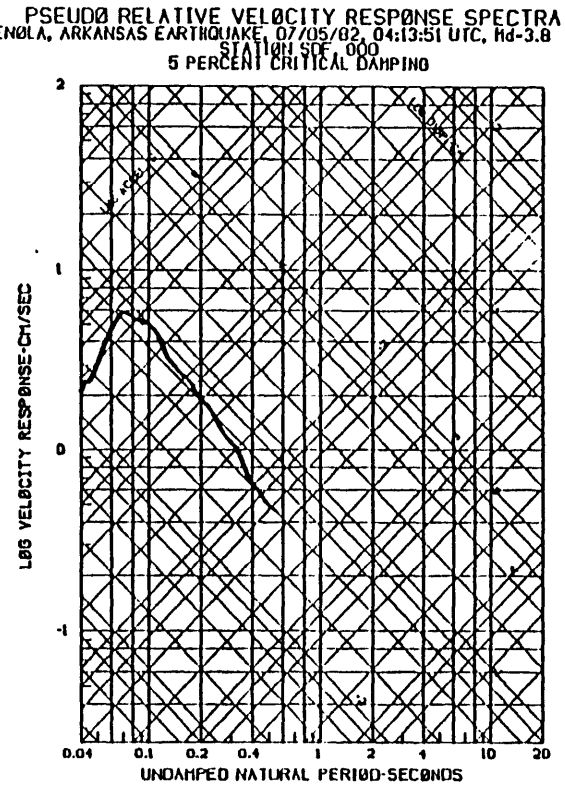

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION SDF, JBD
0.032
-0.032
-0.0312
SECØNDS

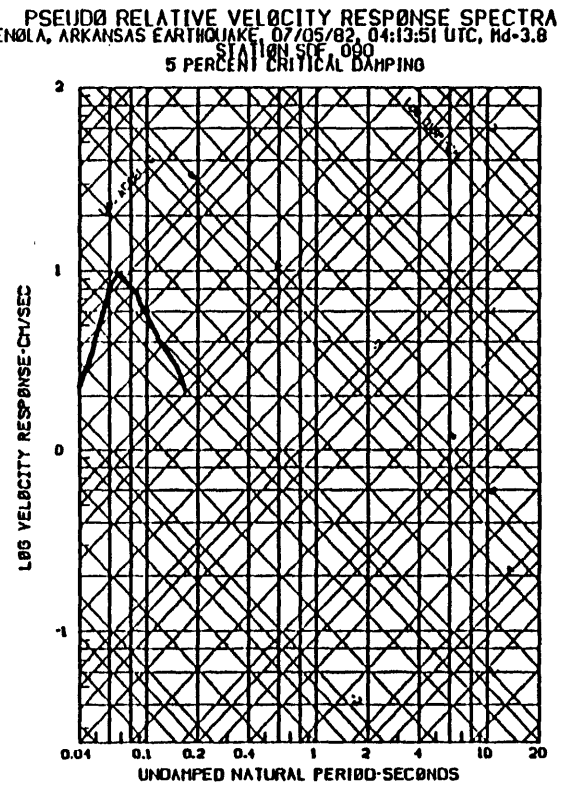

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 04:13:51 UTC, MD=3.8
STATION SOE, VERT
COMPUTING OPTIONS- ICROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

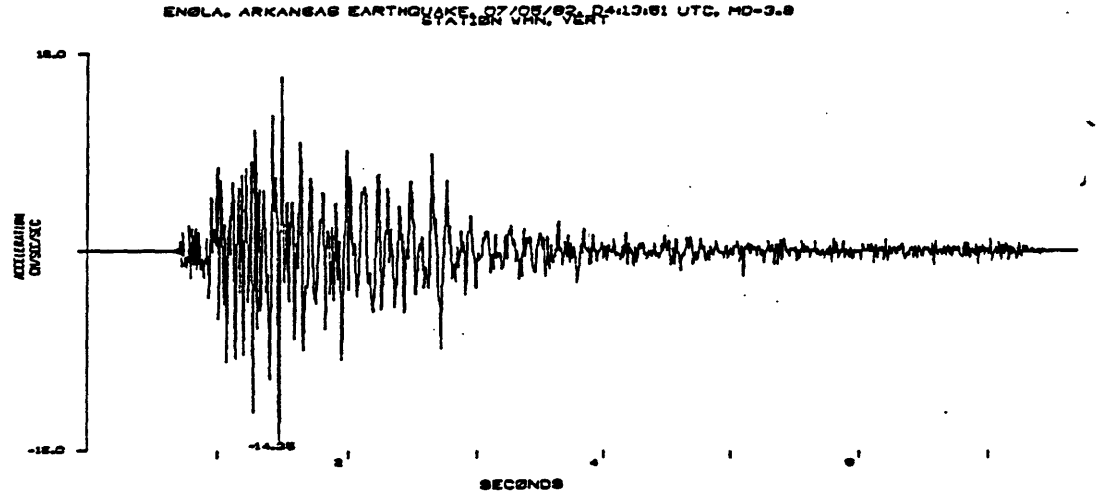

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 04:13:51 UTC, MD=3.8
STATION SOE, EW
COMPUTING OPTIONS- ICROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

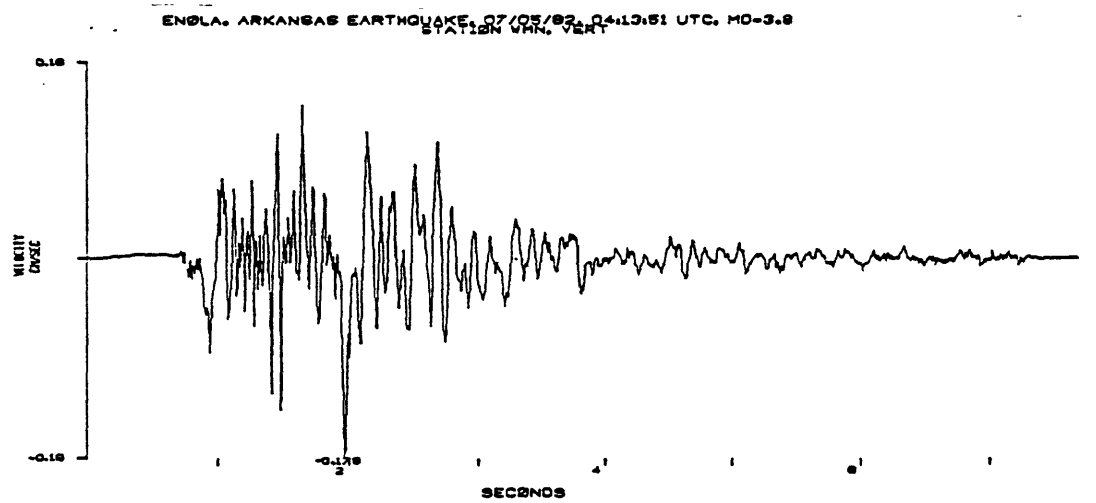

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/08/82, 04:13:51 UTC, MD=3.8
STATION SOE, NS
COMPUTING OPTIONS- ICROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

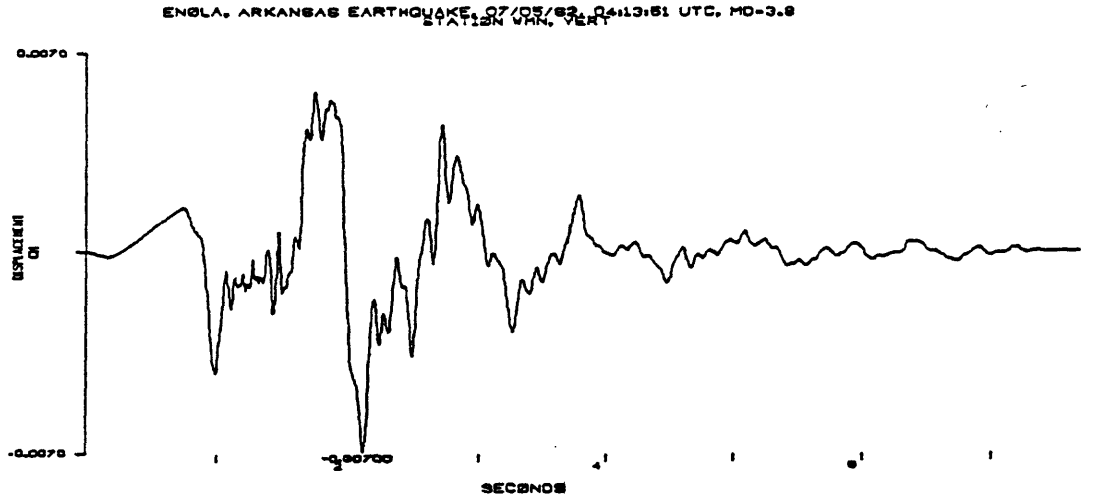

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN SCE VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

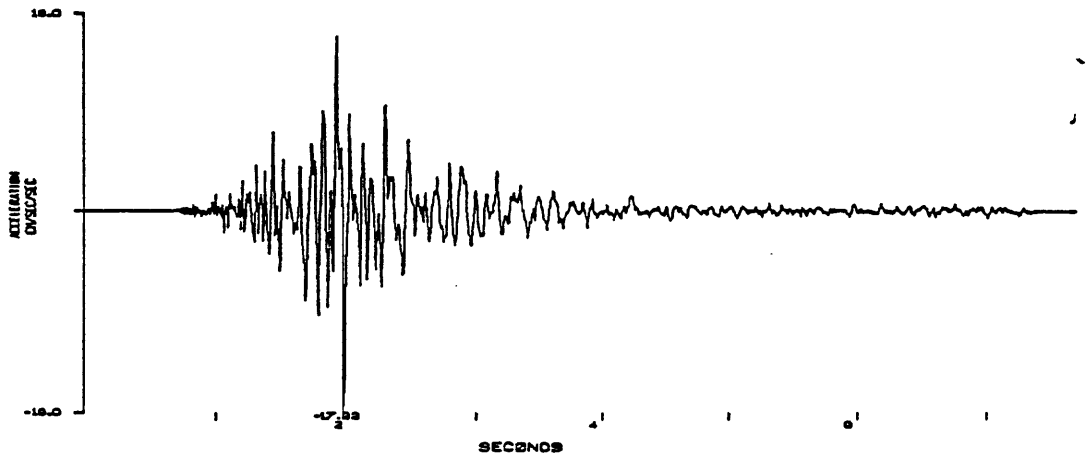

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN SCE 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

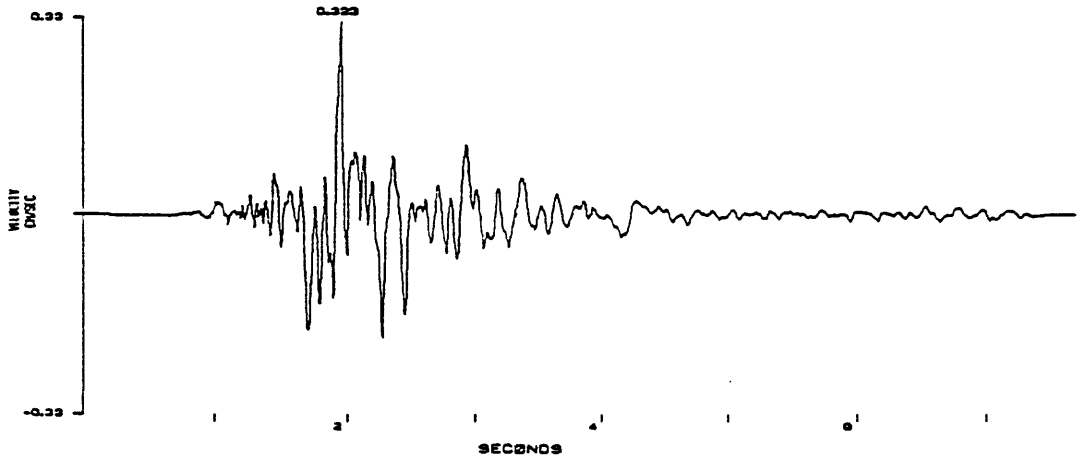

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN SCE 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

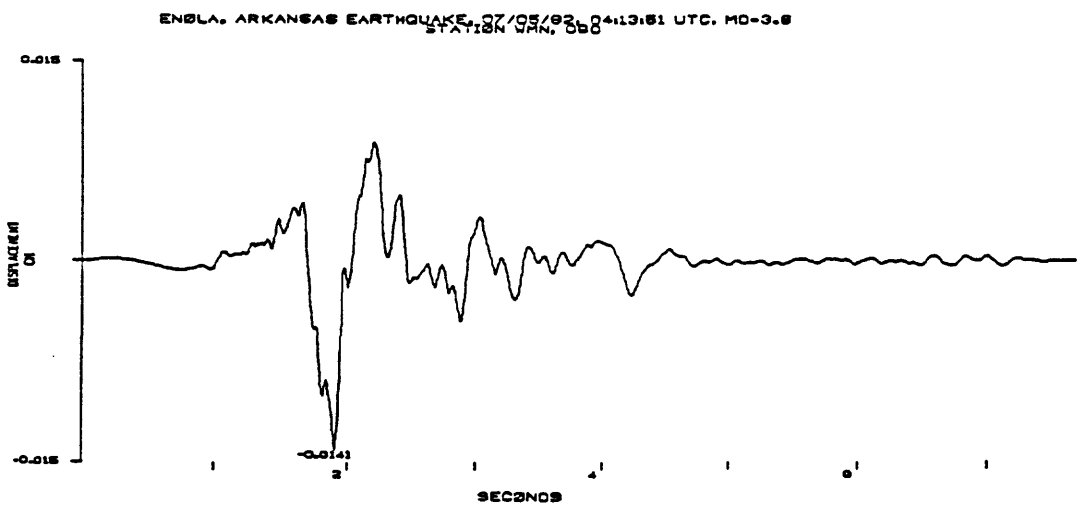

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION WHN, VERT
SECONDS

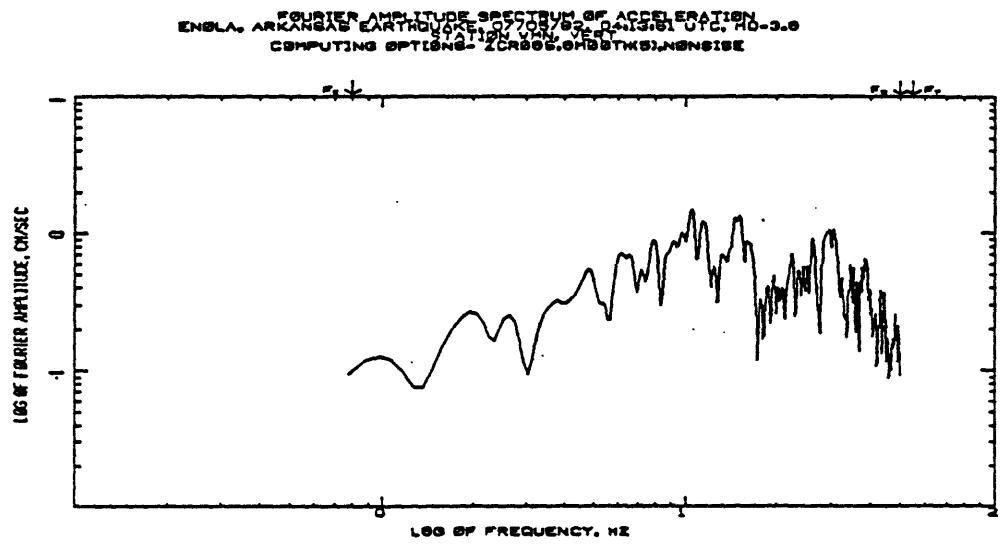

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION WHN, VERT
SECONDS

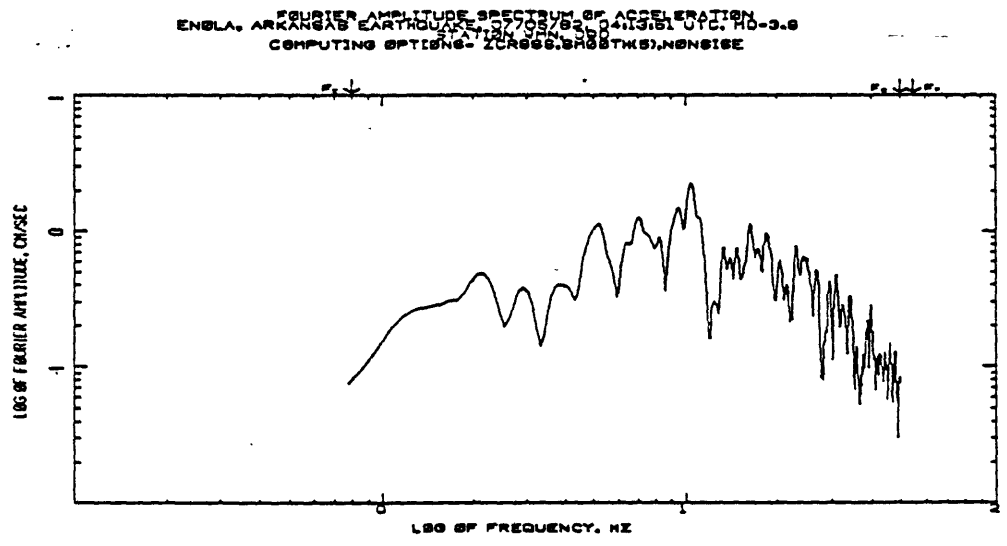

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD=3.8
STATION WHN, VERT
SECONDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD-3.8
STATIØN WMN, ØBD
10.0
-10.0
-17.33
2
4
6
SECØNDS

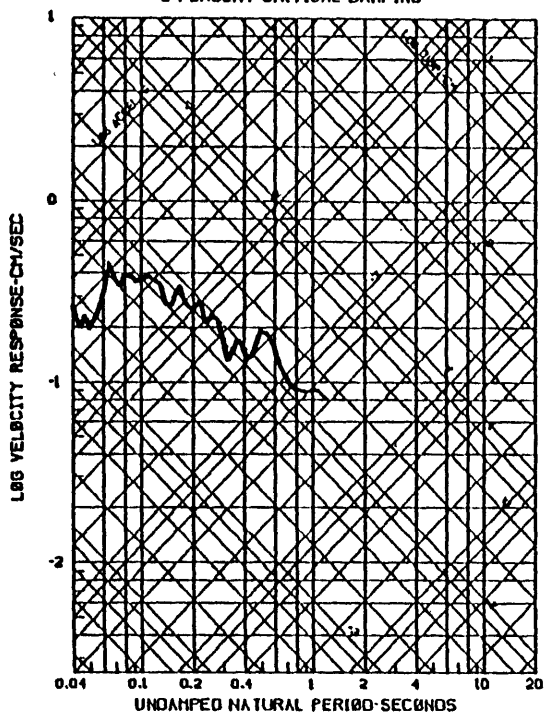

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD-3.8
STATIØN WMN, ØBD
0.33
0.333
-0.33
2
4
6
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, MD-3.8
STATIØN WMN, ØBD
0.015
-0.015
-0.0141
2
4
6
SECØNDS

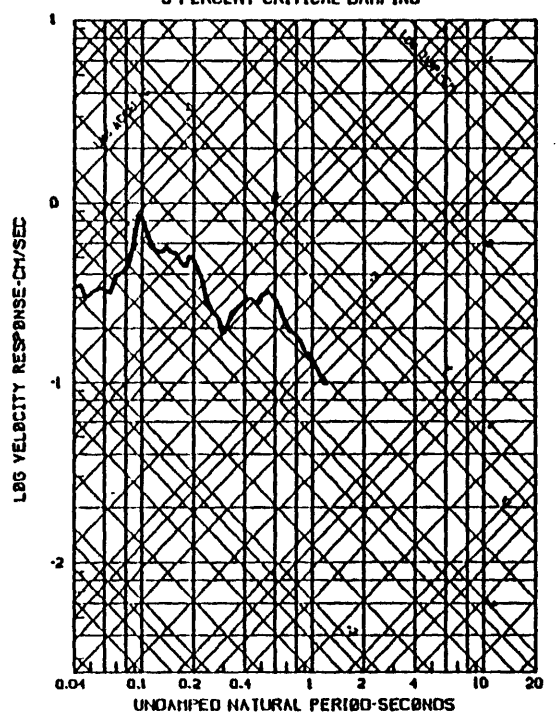

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE 07/08/82 04:13:01 UTC, MO=3.6
STATION VHN, VERT
COMPUTING OPTIONS- ICRSOS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE 07/08/82 04:13:01 UTC, MO=3.6
STATION VHN, VERT
COMPUTING OPTIONS- ICRSOS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

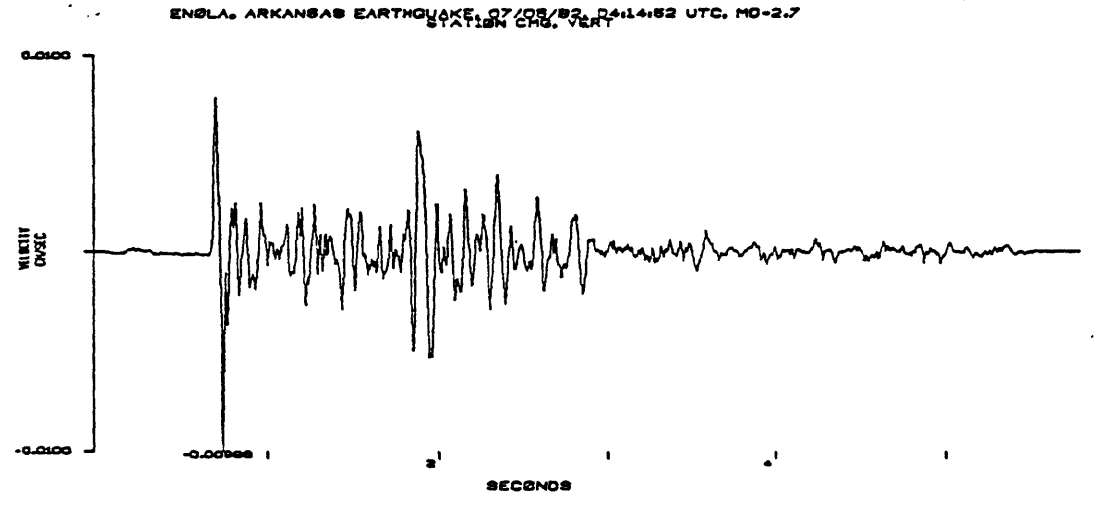
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN VMN, VERT
5 PERCENT CRITICAL DAMPING

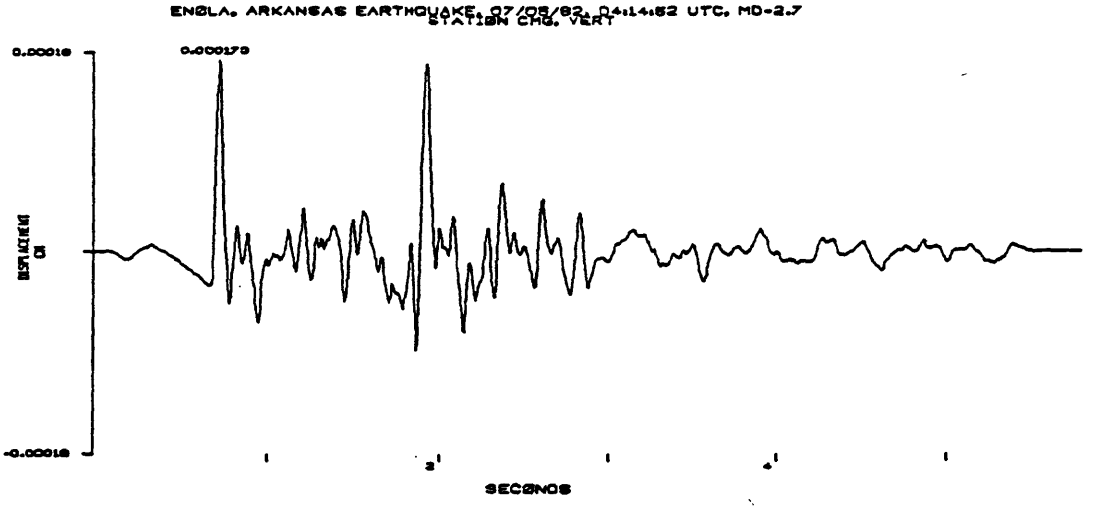


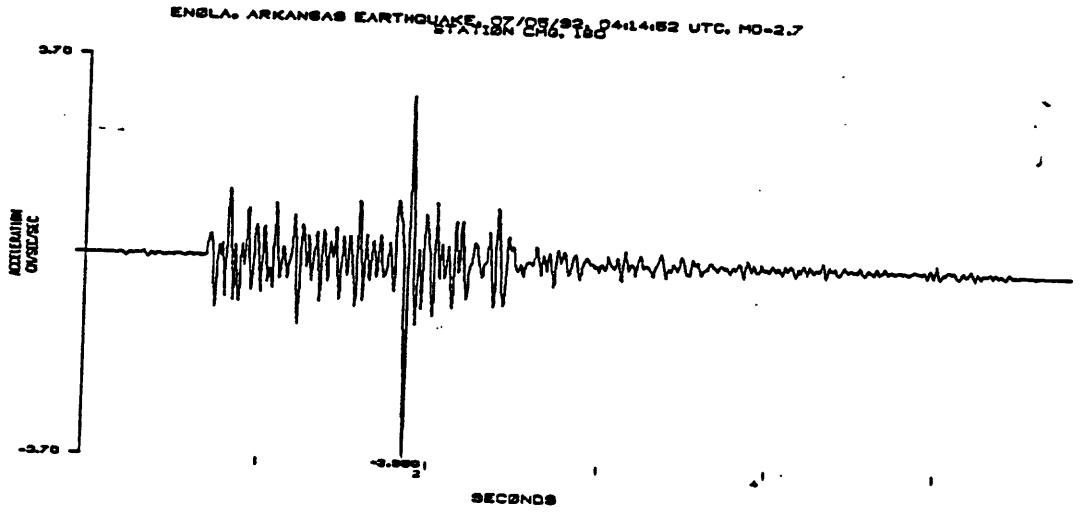
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:13:51 UTC, Md-3.8
STATIØN VMN, 090
5 PERCENT CRITICAL DAMPING

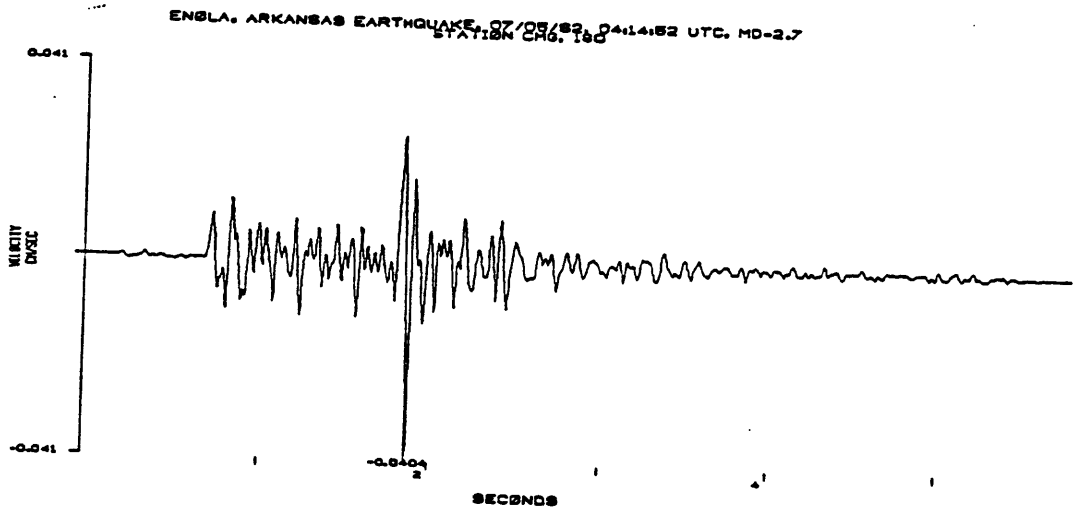


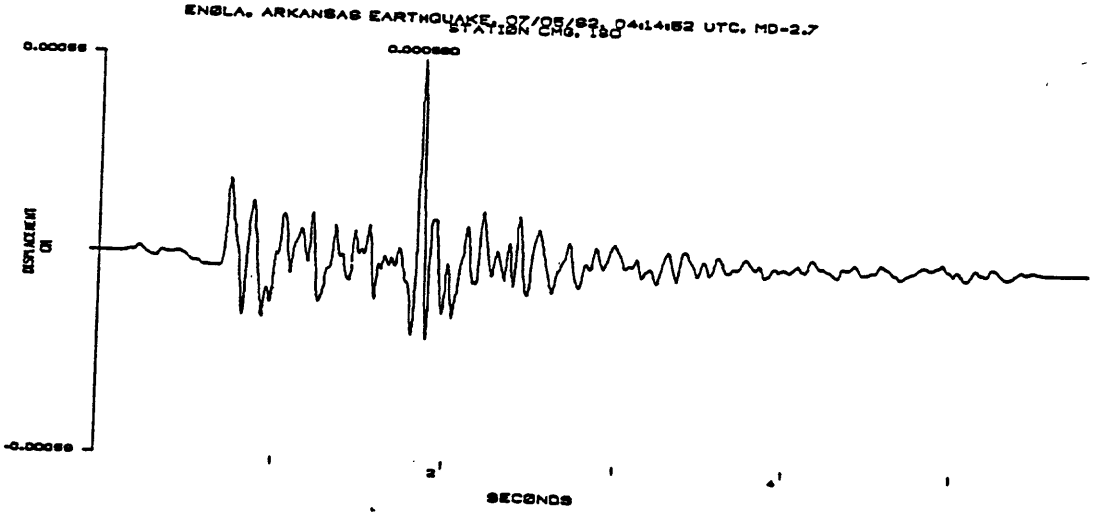
ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, VERT
1.10
ACCELERATION CM/SEC/SEC
-1.10
-1.029
SECONDS


ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, VERT
0.0100
VELOCITY CM/SEC
-0.0100
SECONDS

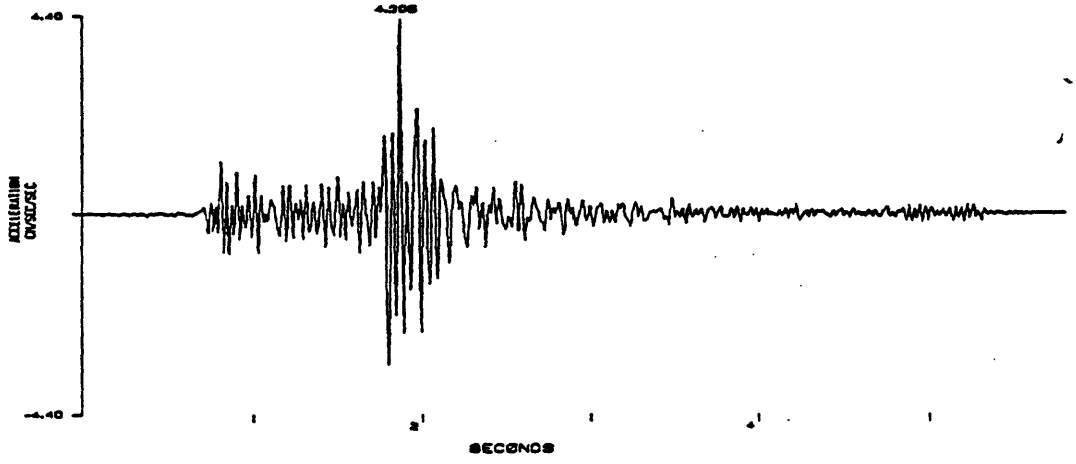

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, VERT
0.00018
0.000179
DISPLACEMENT CM
-0.00018
SECONDS


ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, 180
3.70
ACCELERATION CM/SEC/SEC
-3.70
SECONDS

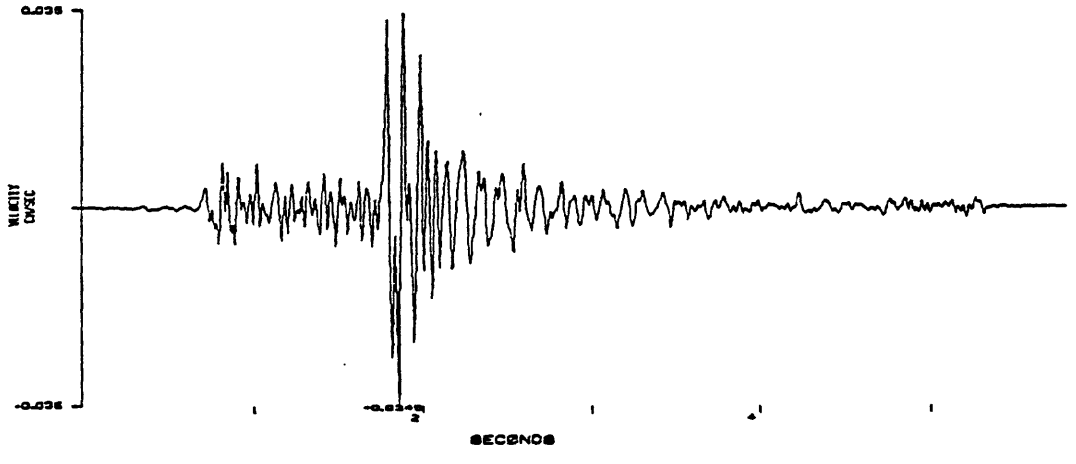

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, 180
0.041
VELOCITY CM/SEC
-0.041
SECONDS


ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, 180
0.000080
DISPLACEMENT CM
-0.000080
SECONDS

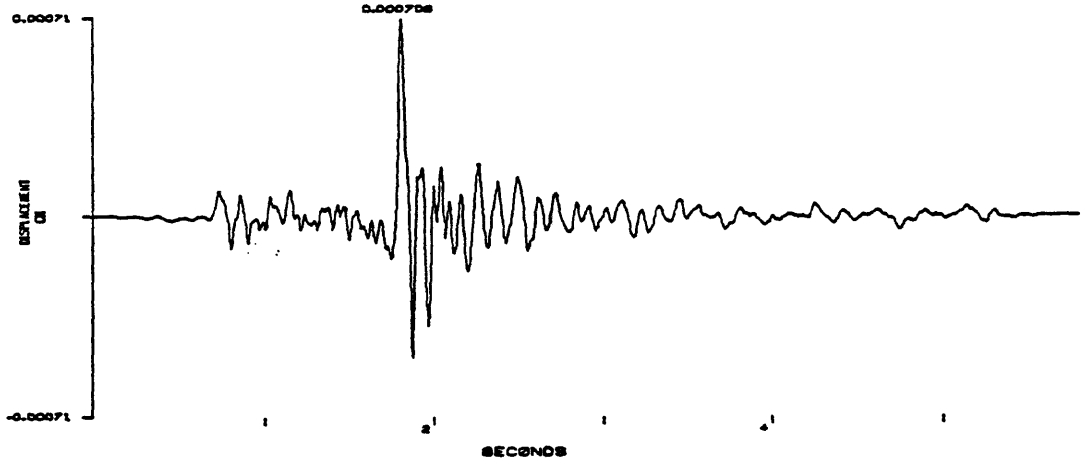
ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG. 360

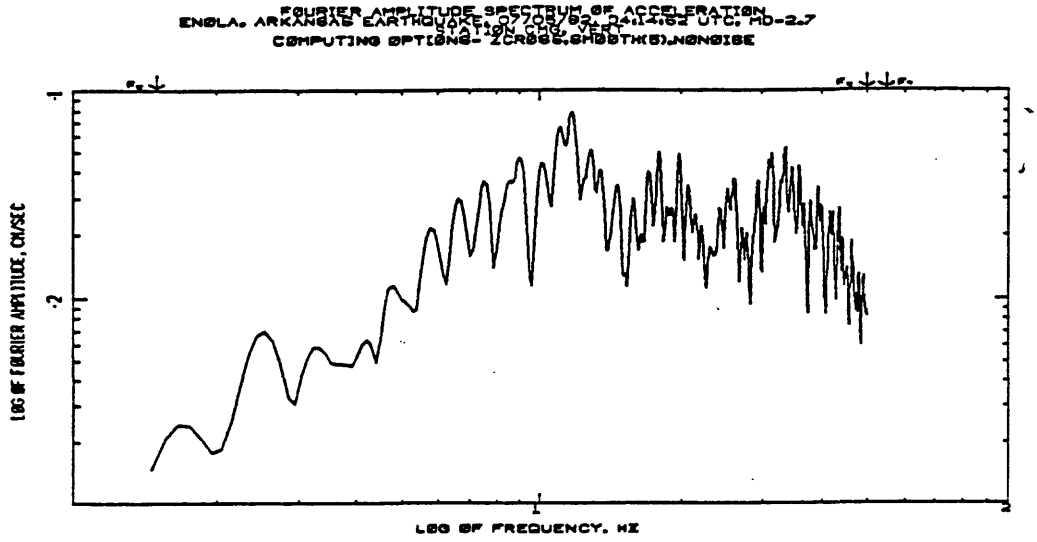


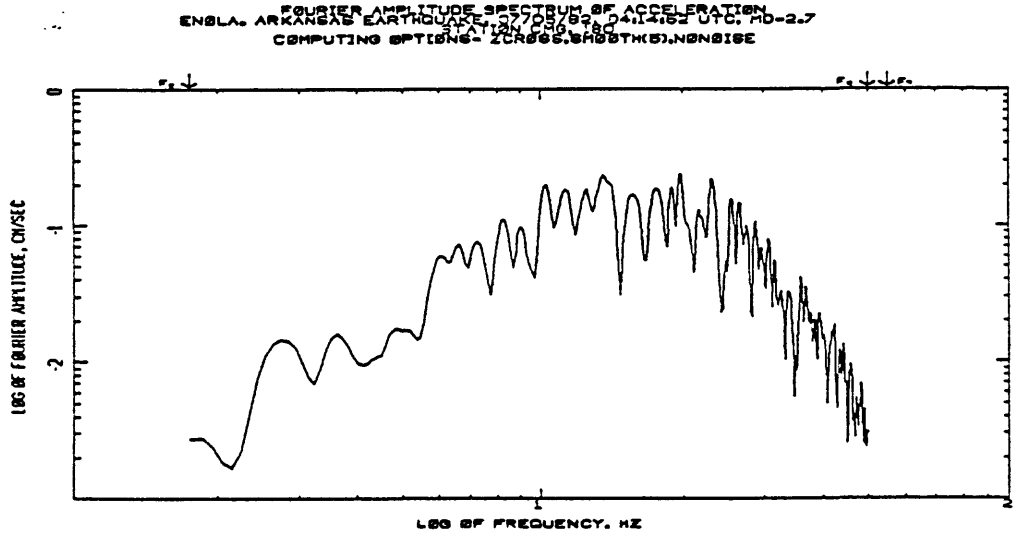
ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG. 360

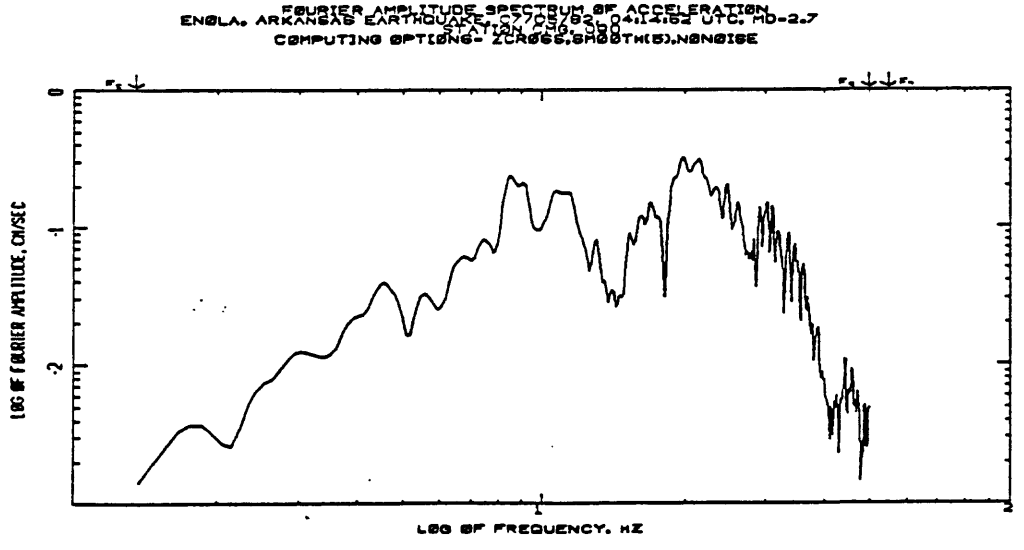


ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG. 360

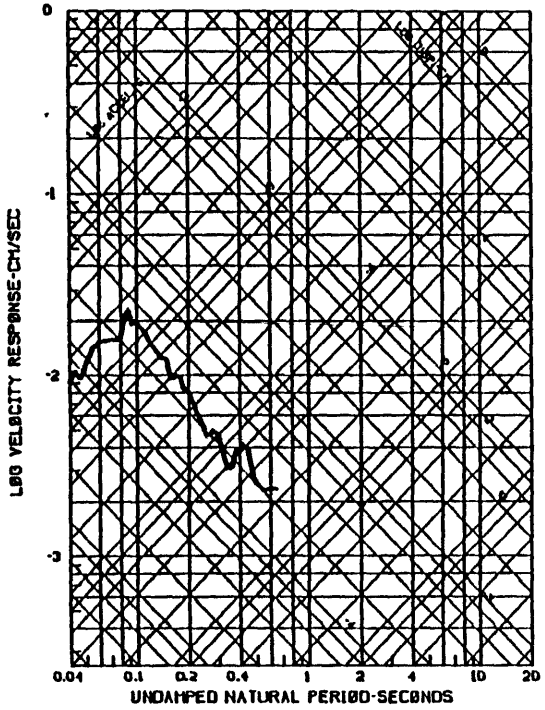



FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, VERT
COMPUTING OPTIONS- ICROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

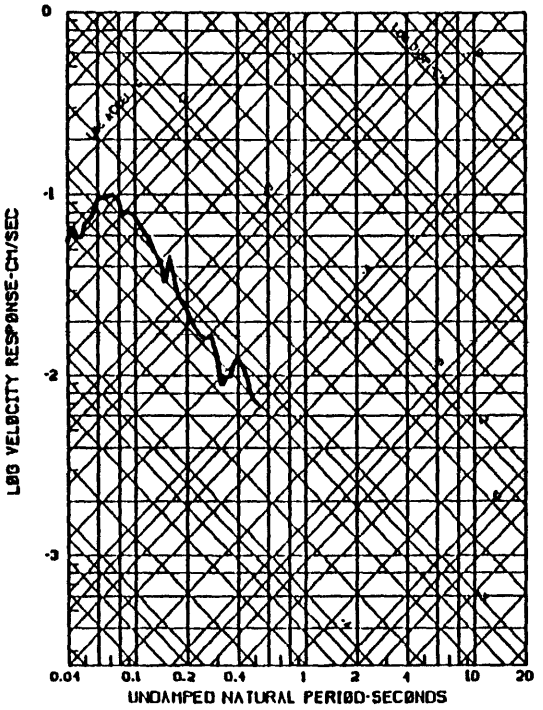

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, T80
COMPUTING OPTIONS- ICROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CHG, T90
COMPUTING OPTIONS- ICROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

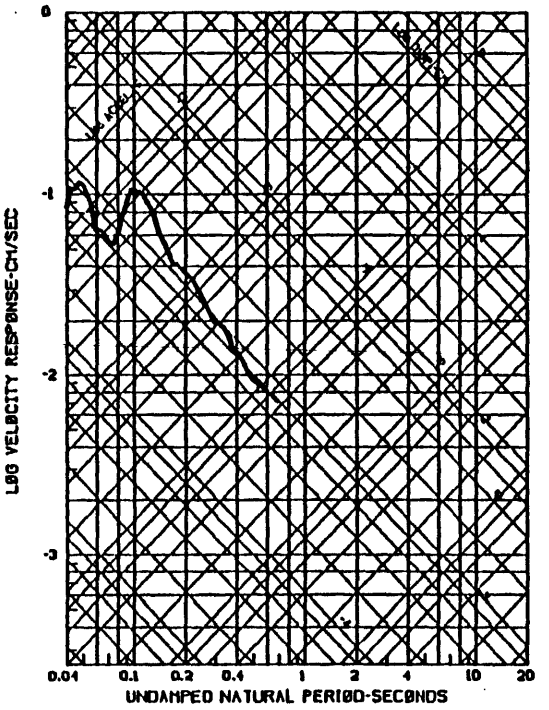
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN CMG, VERT
5 PERCENT CRITICAL DAMPING



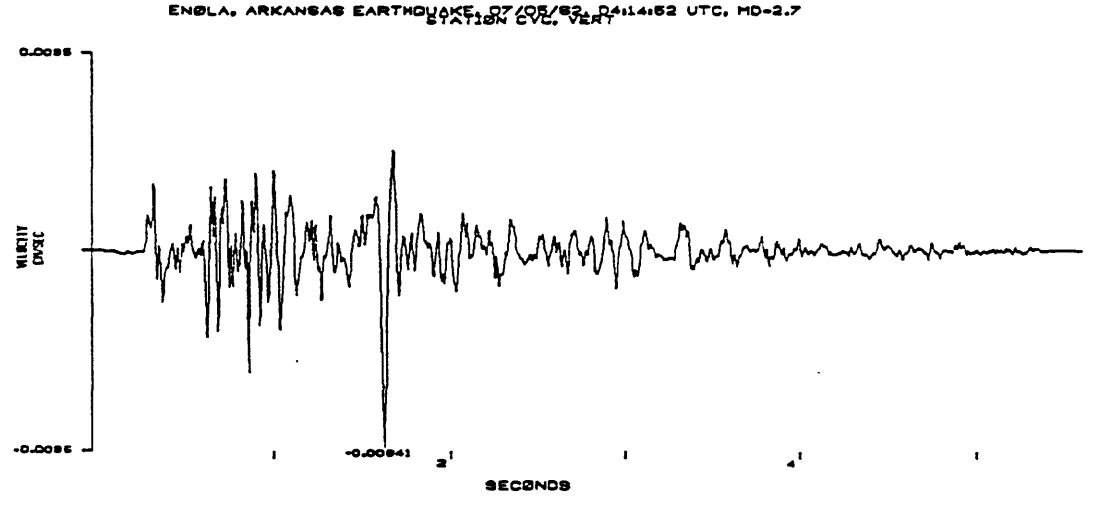
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN CMG, 180
5 PERCENT CRITICAL DAMPING

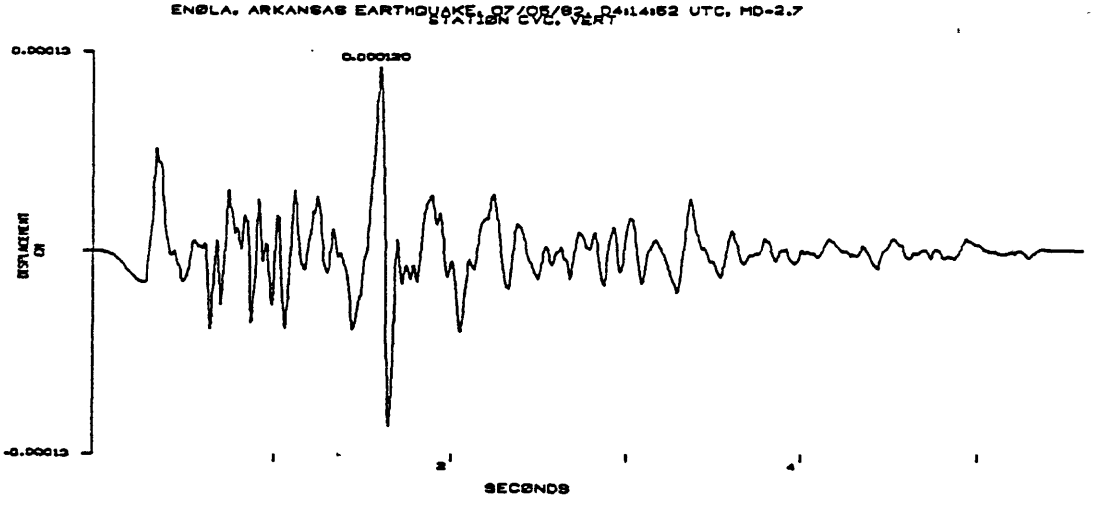


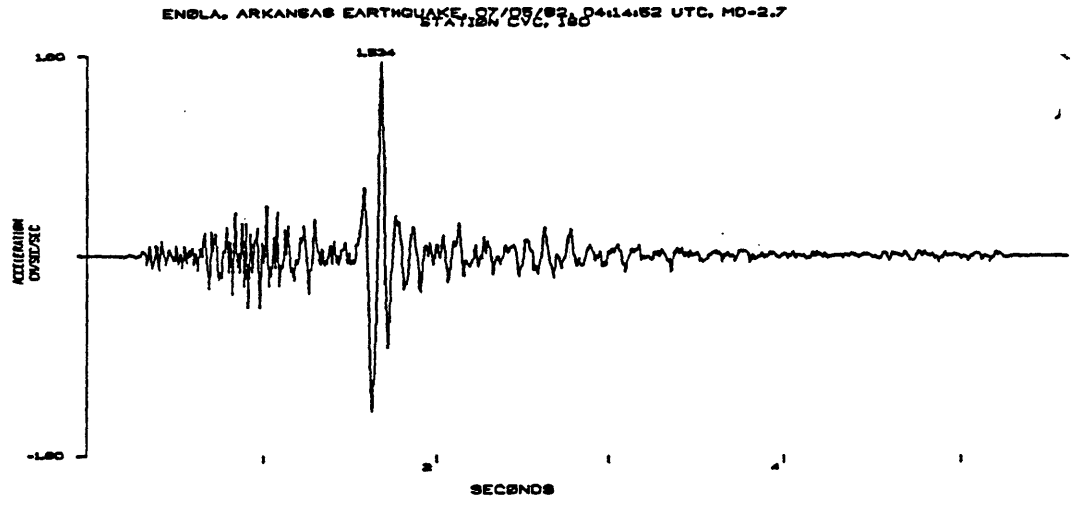
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN CMG, 090
5 PERCENT CRITICAL DAMPING

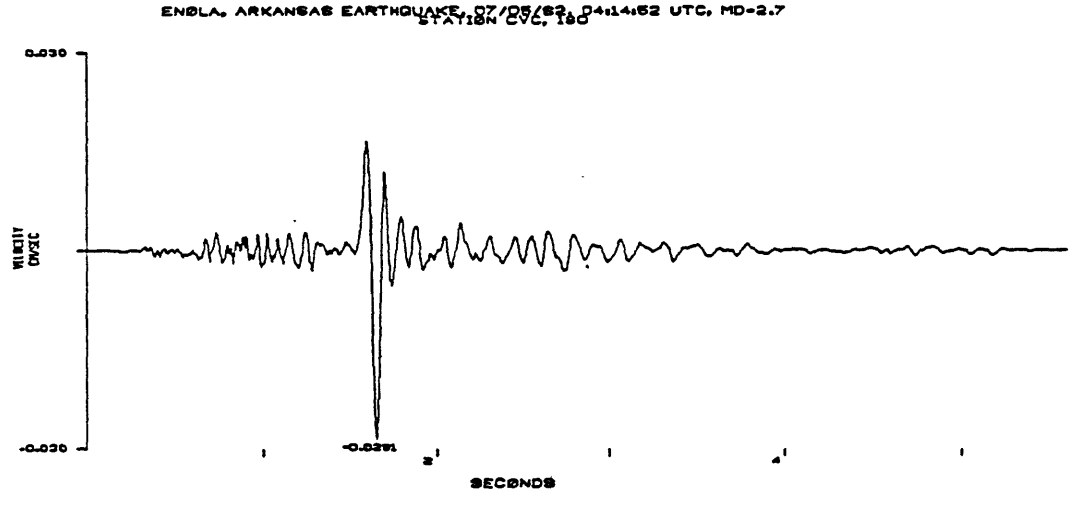


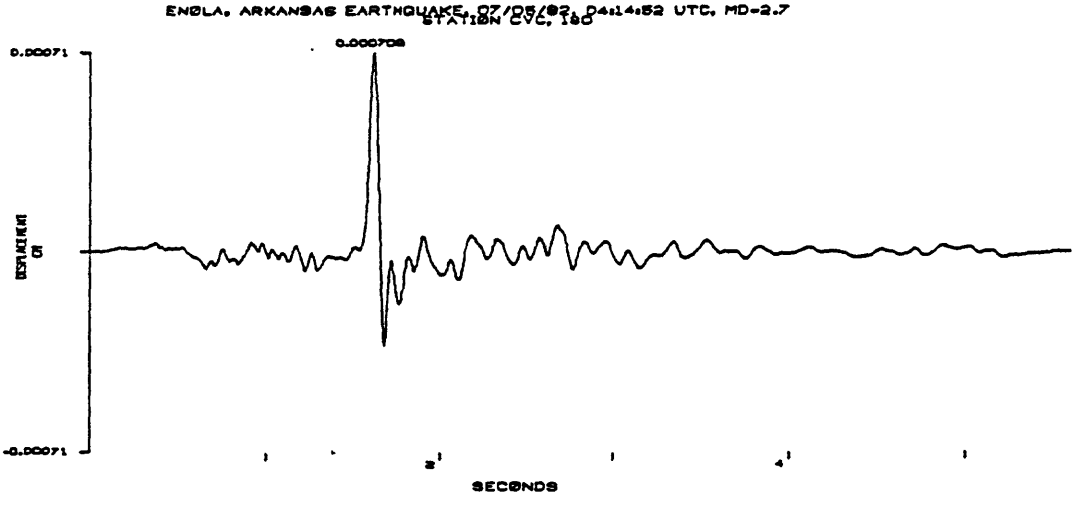
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, VERT
0.784
0.77
-0.77
ACCELERATION CM/SEC/SEC
SECONDS

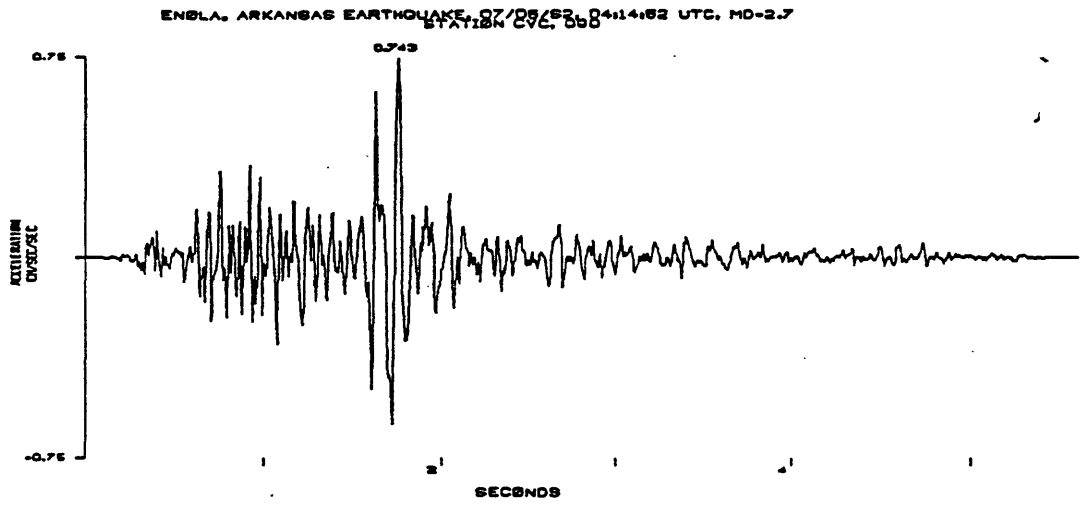

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, VERT
0.0095
-0.0095
-0.00841
VELOCITY CM/SEC
SECONDS

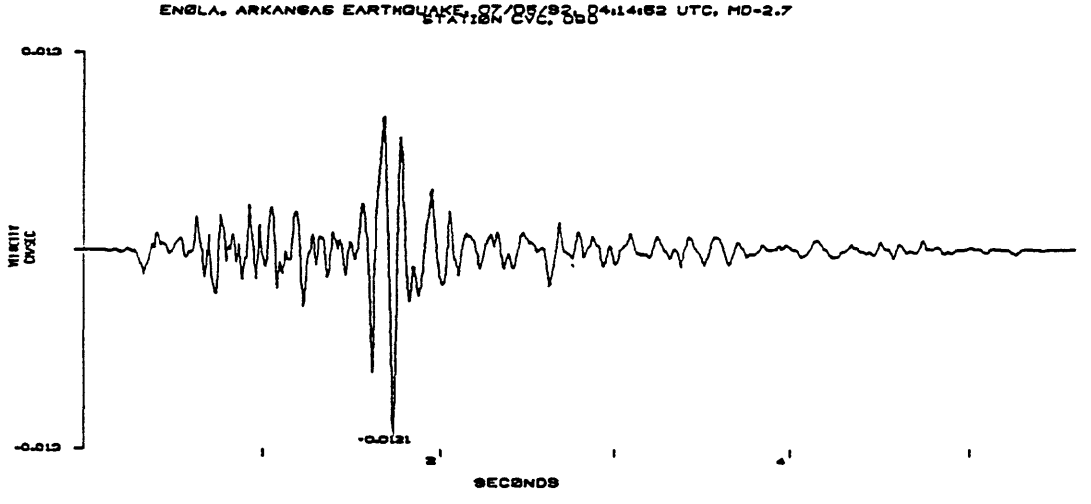

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, VERT
0.000130
0.00013
-0.00013
DISPLACEMENT CM
SECONDS

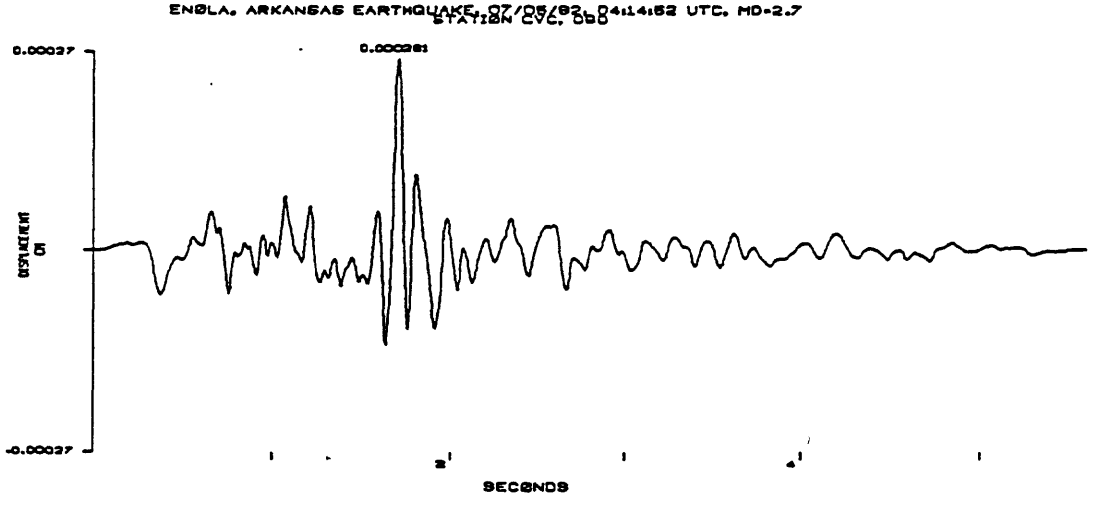

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, 180
1.80
1.534
-1.80
ACCELERATION CM/SEC/SEC
2
4
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, 180
0.030
-0.030
-0.0291
VELOCITY CM/SEC
2
4
SECONDS

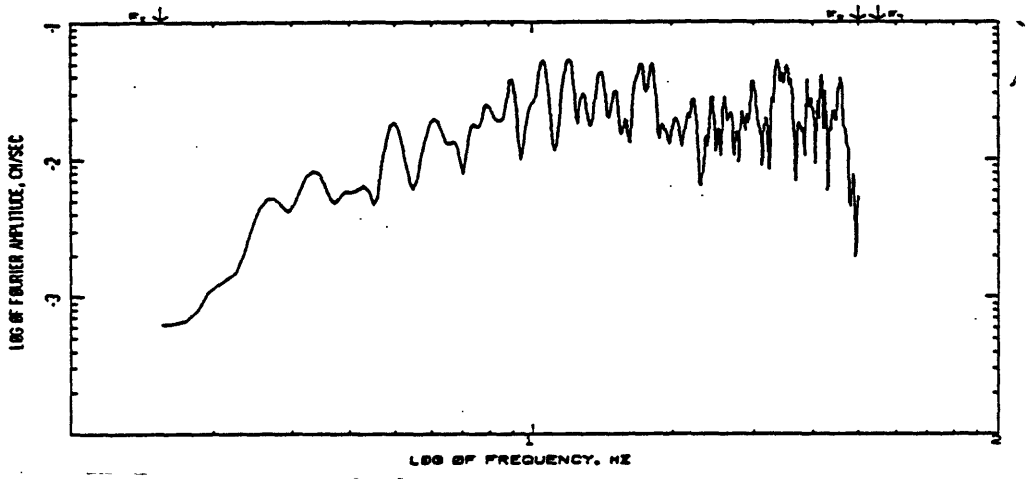

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, 180
0.00071
0.000708
-0.00071
DISPLACEMENT CM
2
4
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, DD
0.743
0.75
-0.75
ACCELERATION
CM/SEC/SEC
2
4
SECONDS

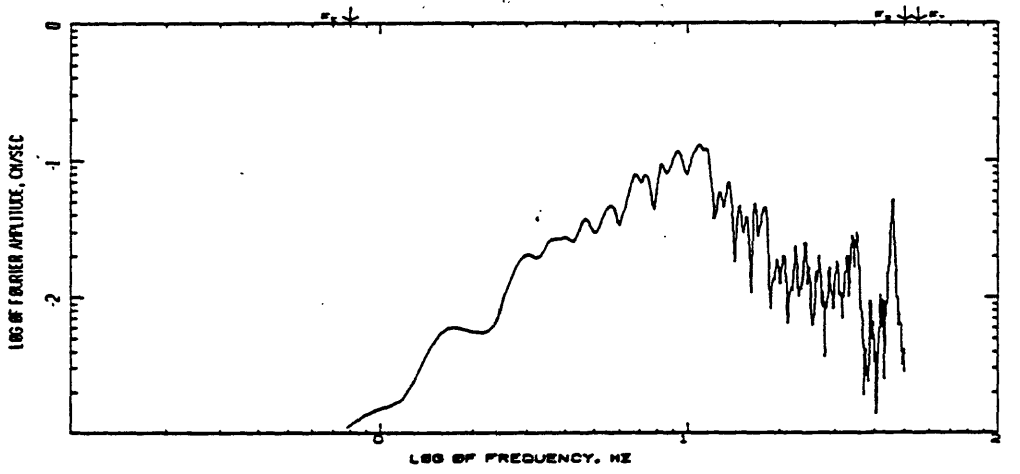

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, DD
0.013
-0.013
-0.0121
VELOCITY
CM/SEC
2
4
SECONDS


ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, DD
0.00027
-0.00027
0.000261
DISPLACEMENT
CM
2
4
SECONDS

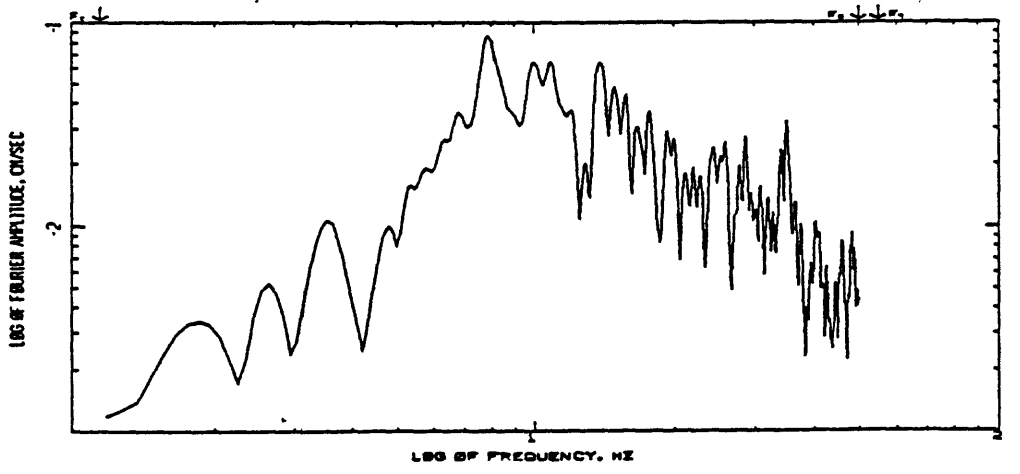
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE



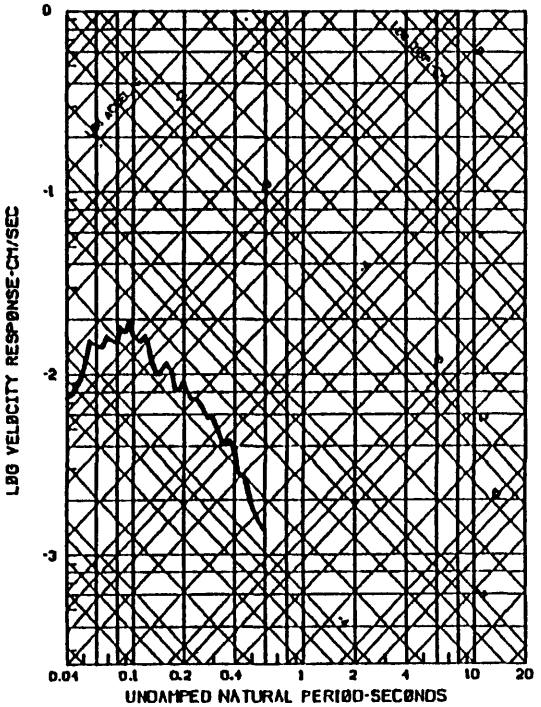
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, N90
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE



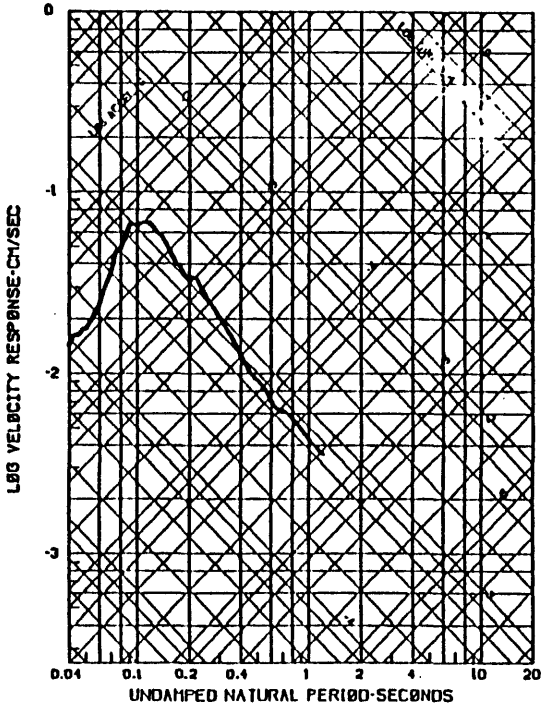
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION CVC, UP
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE



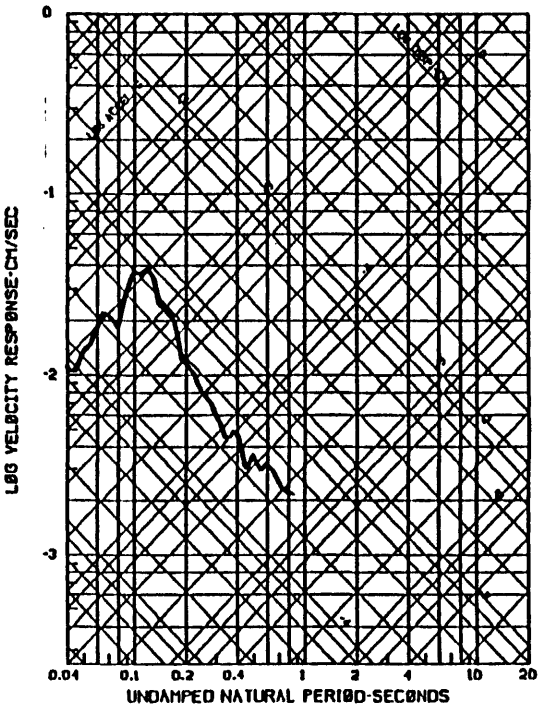
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN CVC, VERT
5 PERCENT CRITICAL DAMPING

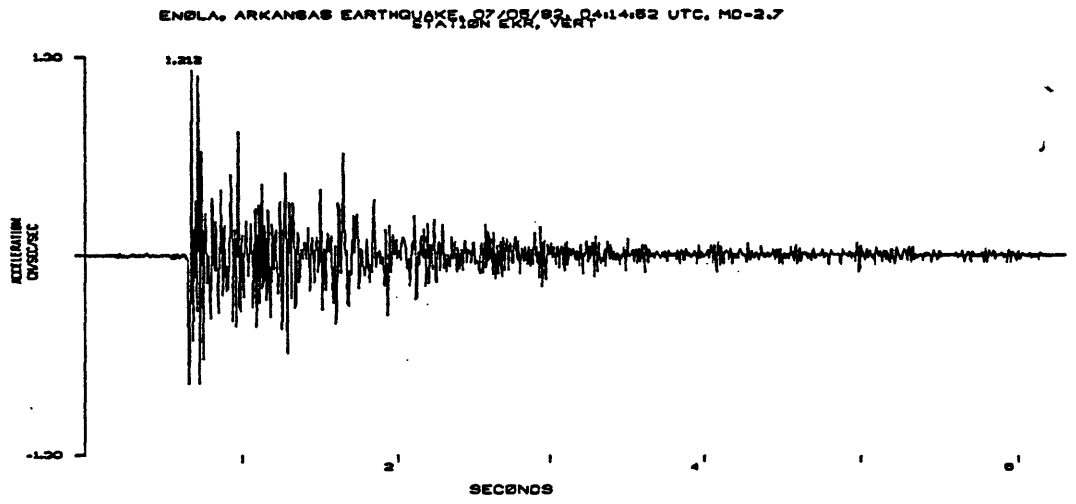


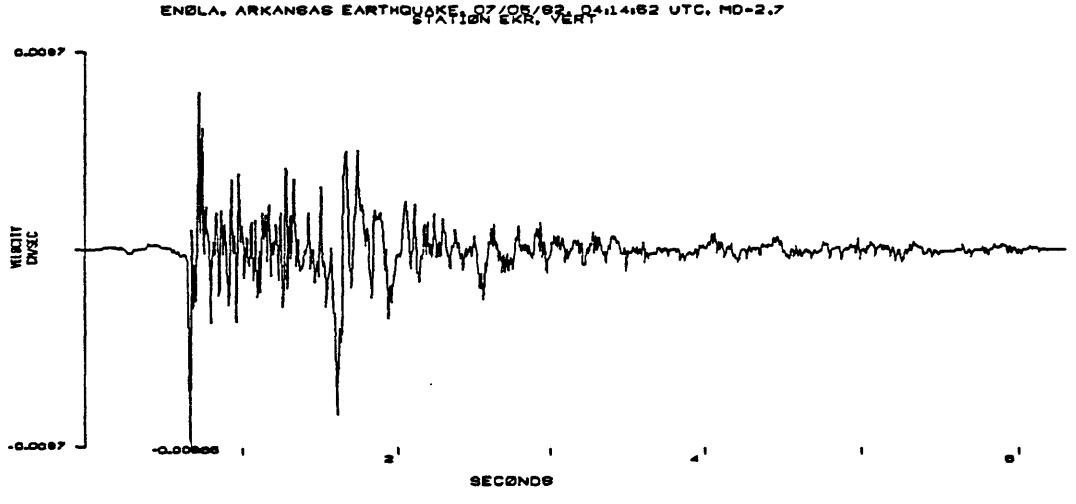
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN CVC, 180
5 PERCENT CRITICAL DAMPING

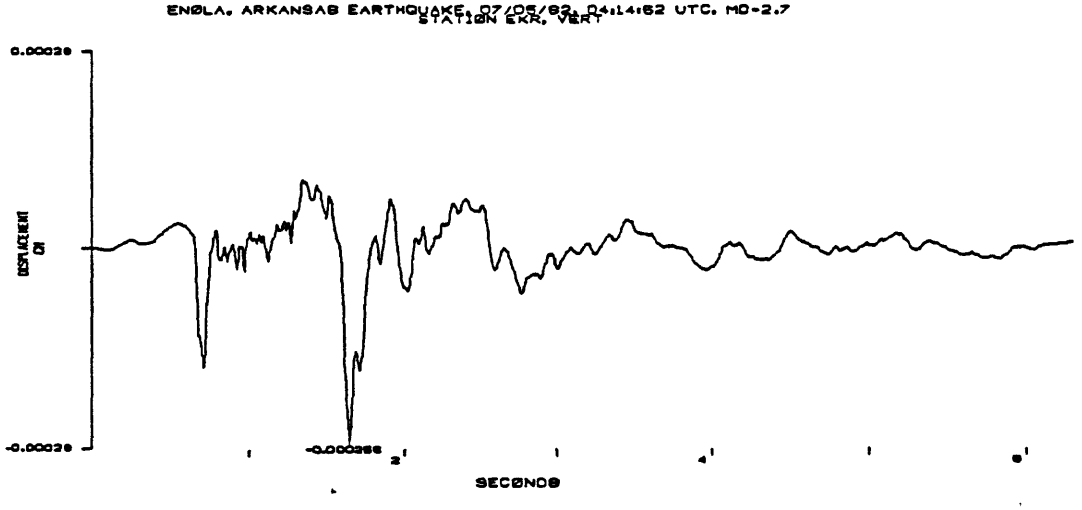


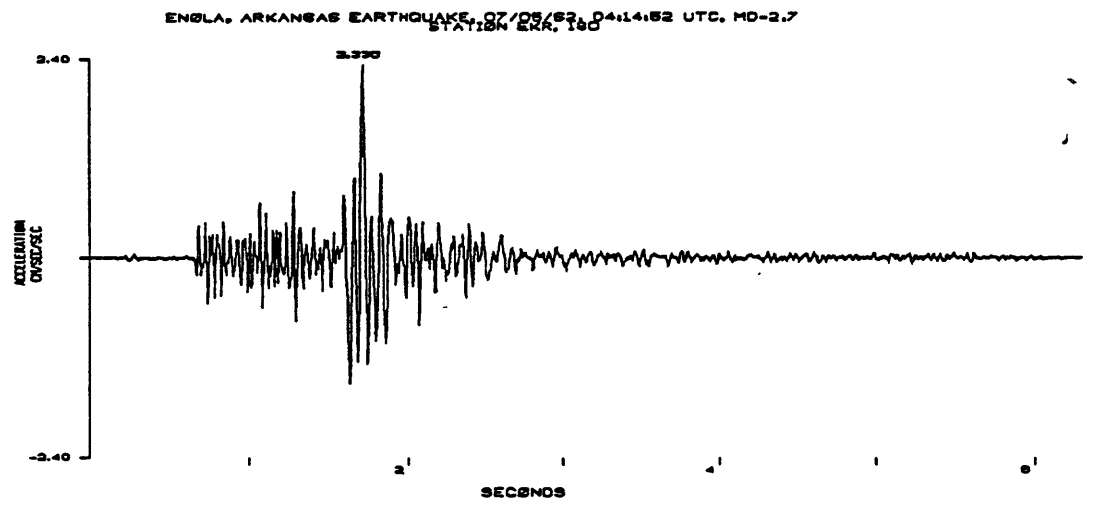
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN CVC, 090
5 PERCENT CRITICAL DAMPING

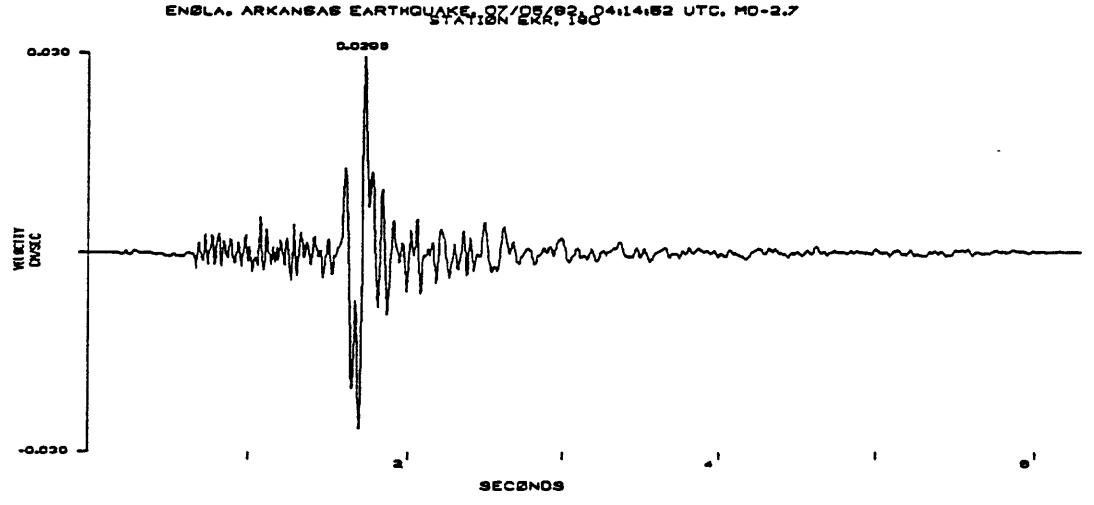


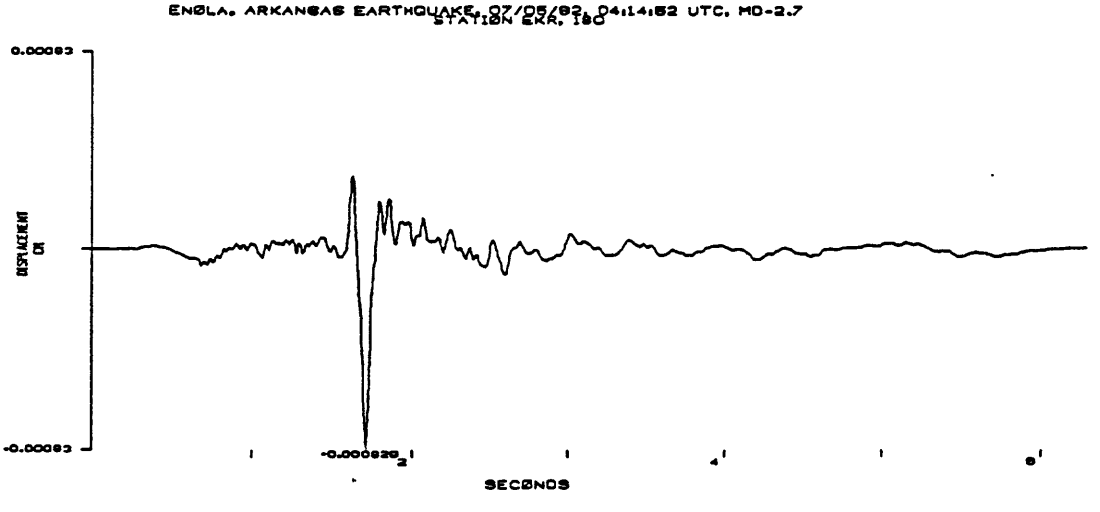

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATIØN EKR, VERT
1.30
1.212
-1.30
ACCELERATION
CM/SEC/SEC
1
2
4
6
SECØNDS

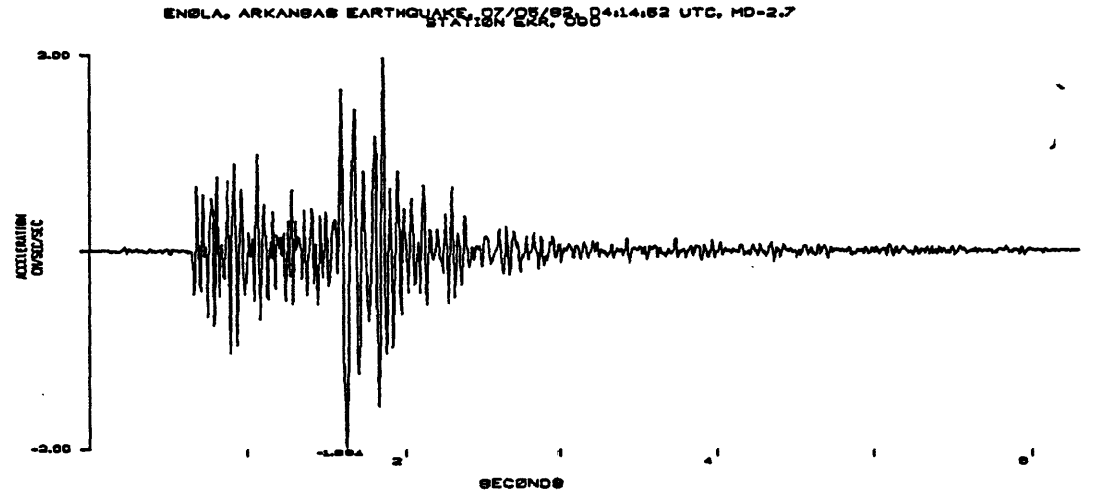

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATIØN EKR, VERT
0.0097
-0.0097
VELOCITY
CM/SEC
1
2
4
6
SECØNDS

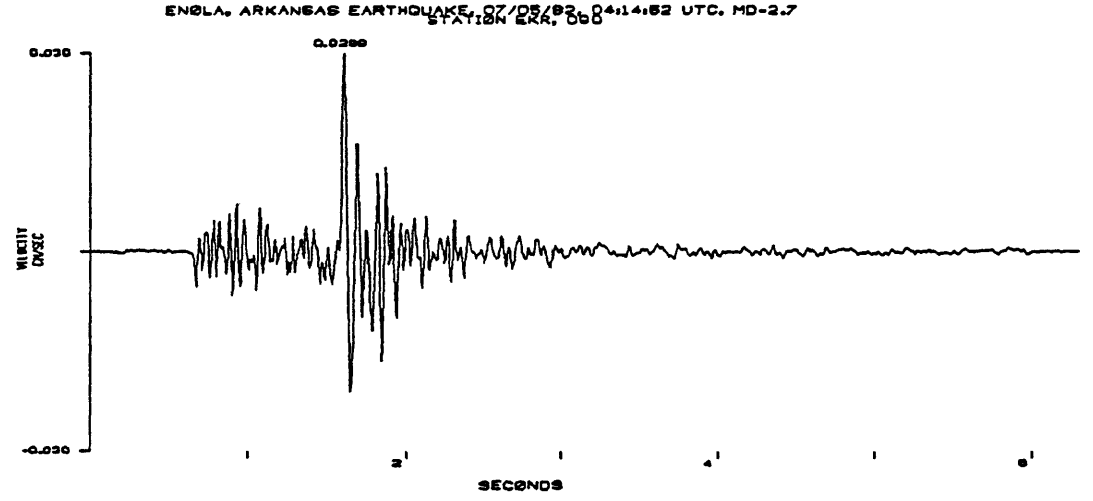

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATIØN EKR, VERT
0.00028
-0.00028
DISPLACEMENT
CM
1
2
4
6
SECØNDS

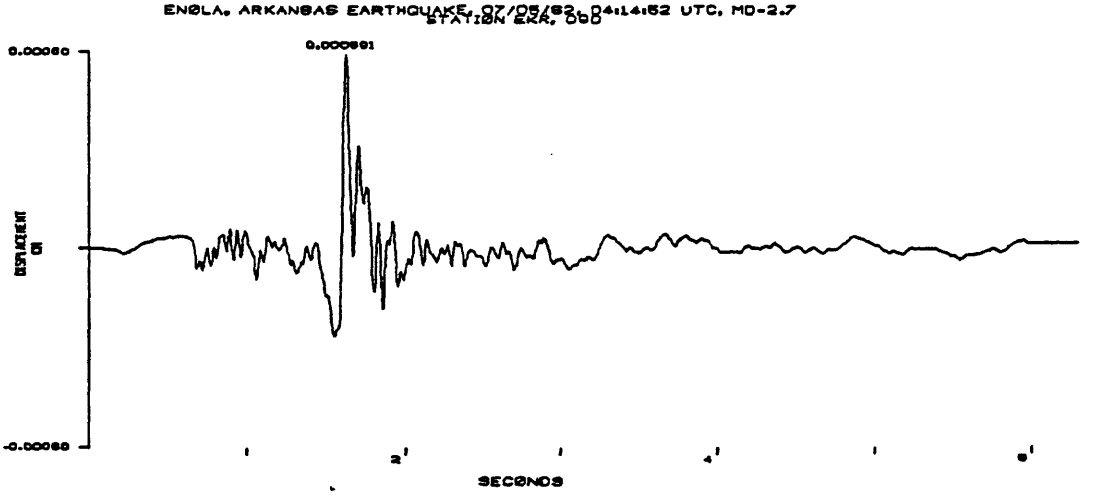

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION EKA, ISC
2.40
3.330
ACCELERATION
CM/SEC/SEC
-2.40
2
4
6
SECØNDS

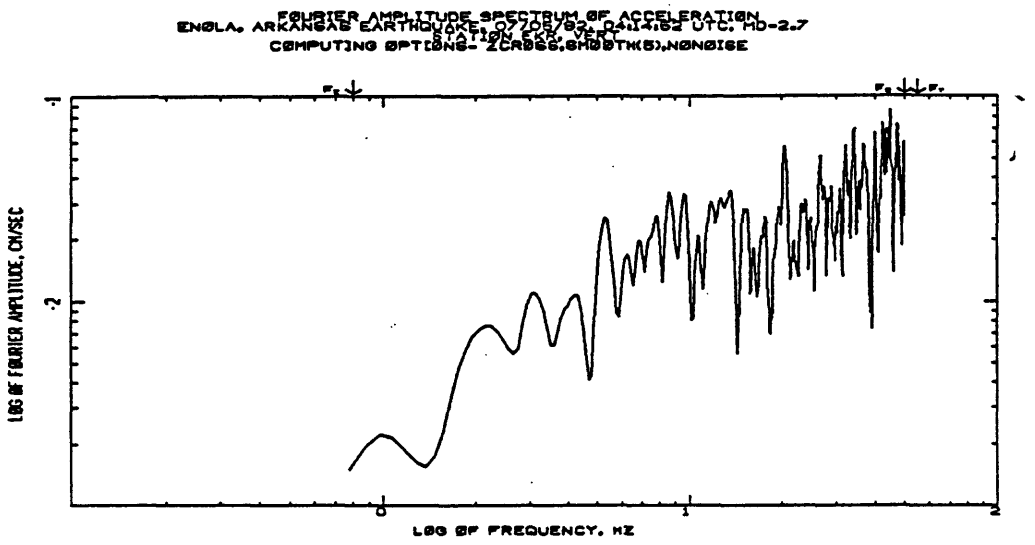

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION EKA, ISC
0.030
0.0309
VELOCITY
CM/SEC
-0.030
2
4
6
SECØNDS

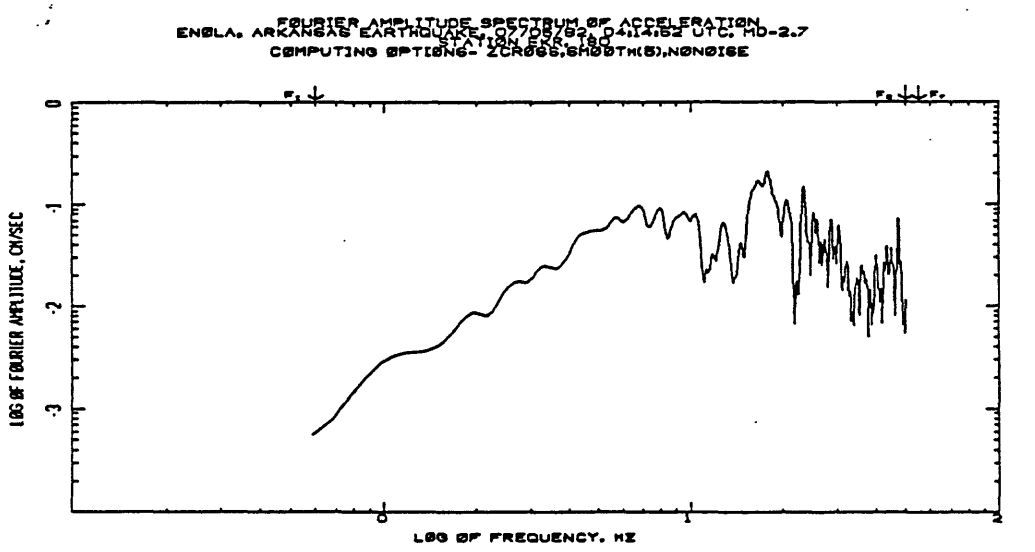

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION EKA, ISC
0.00063
DISPLACEMENT
CM
-0.00063
-0.000630
2
4
6
SECØNDS

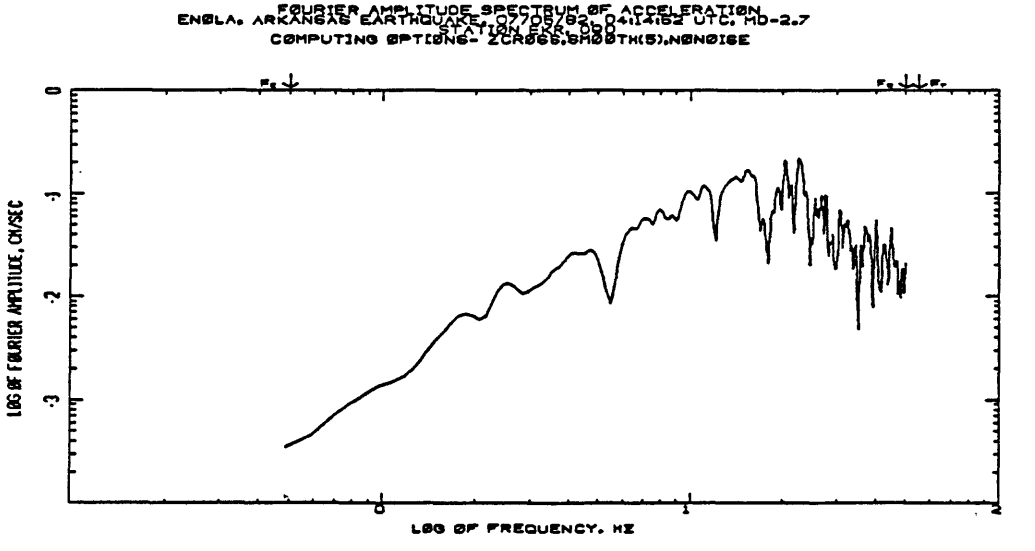

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION ERA, 000
2.00
-2.00
ACCELERATION
CM/SEC/SEC
SECONDS

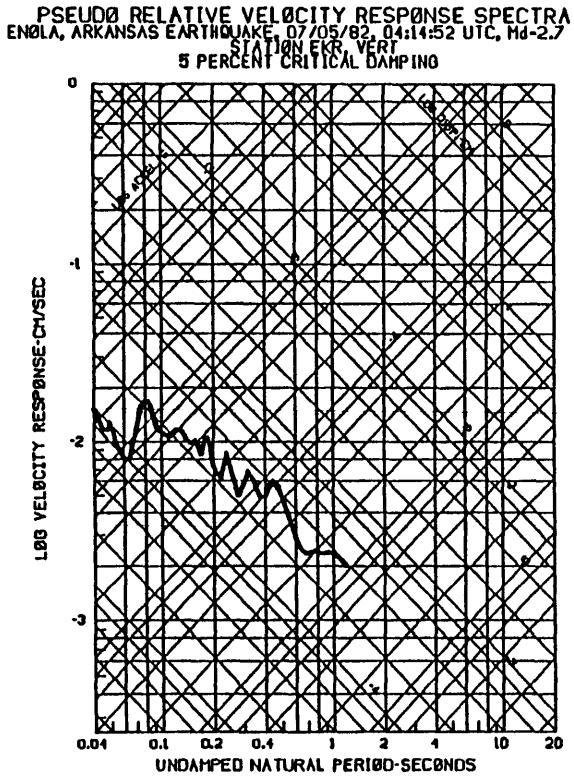

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION ERA, 000
0.0200
0.030
-0.030
VELOCITY
CM/SEC
SECONDS

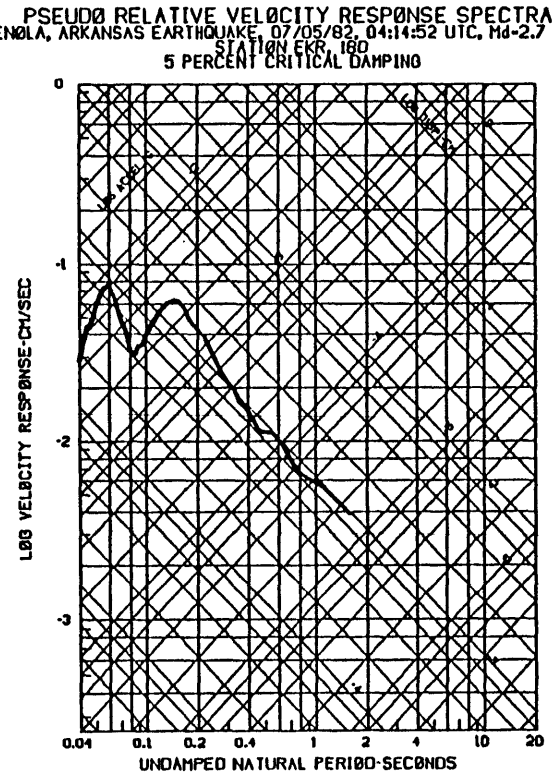

ENGLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION ERA, 000
0.000060
0.000061
-0.000060
DISPLACEMENT
CM
SECONDS

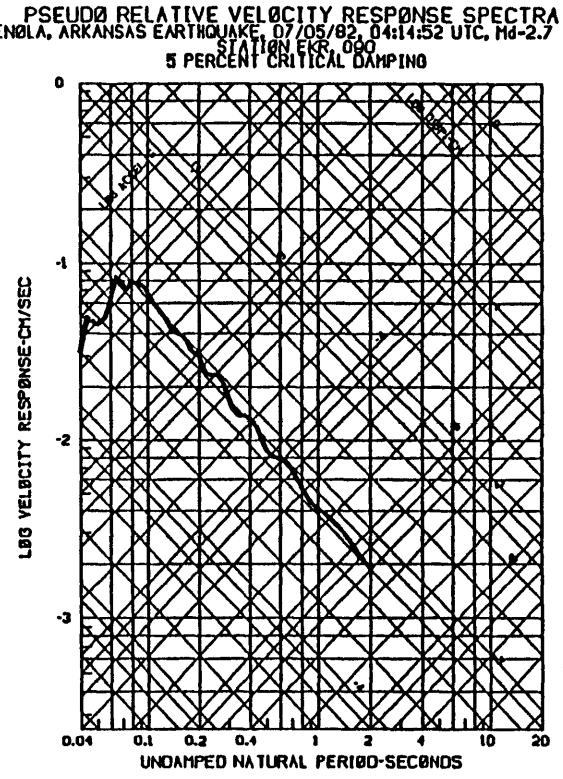

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION EKR, VERT
COMPUTING OPTIONS- ZCROSS,SHOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION EKR 180
COMPUTING OPTIONS- ZCROSS,SHOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

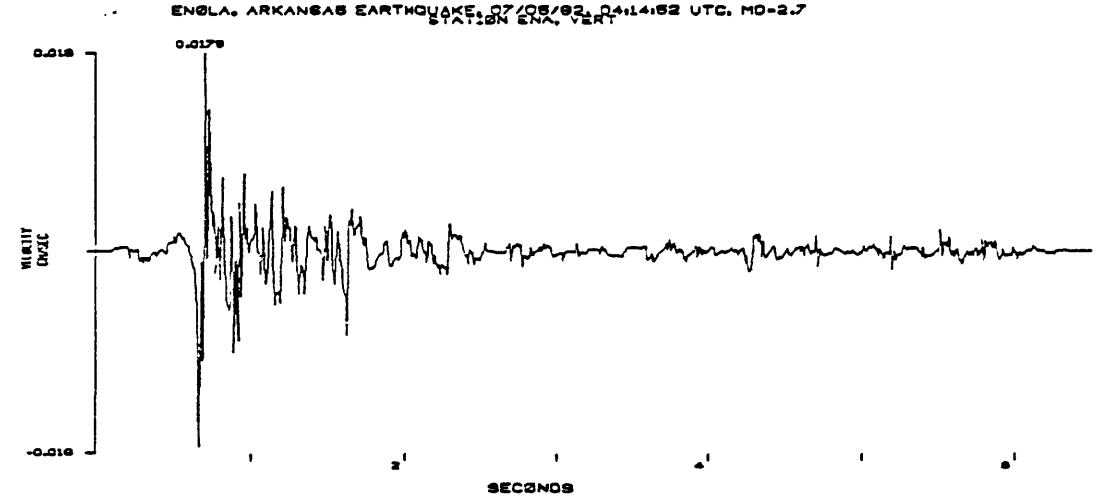

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATION EKR, UP
COMPUTING OPTIONS- ZCROSS,SHOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

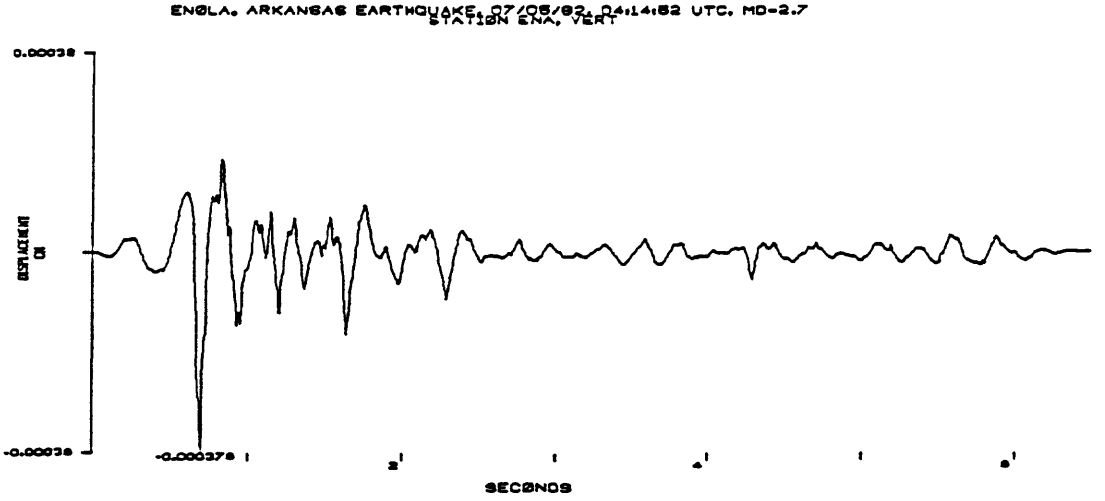

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN EKR, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

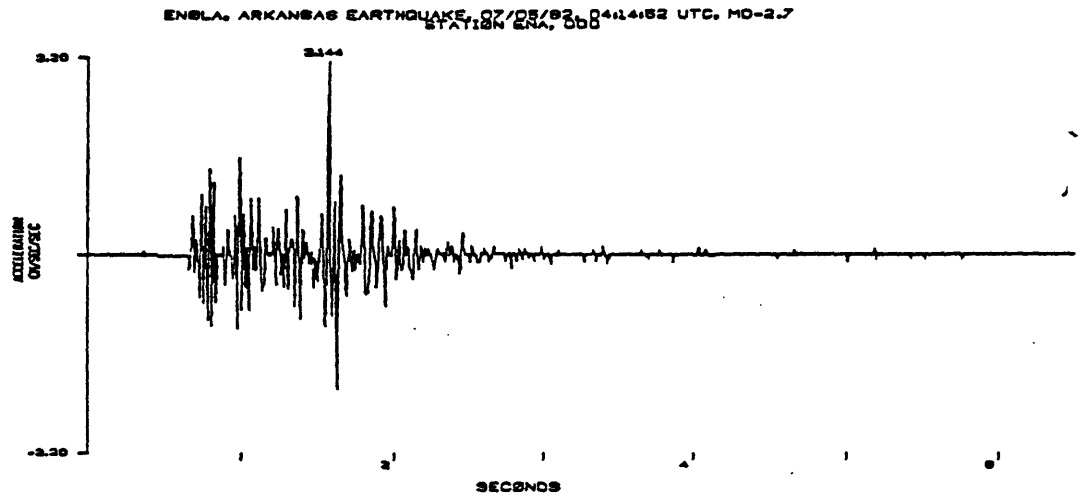

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN EKR, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

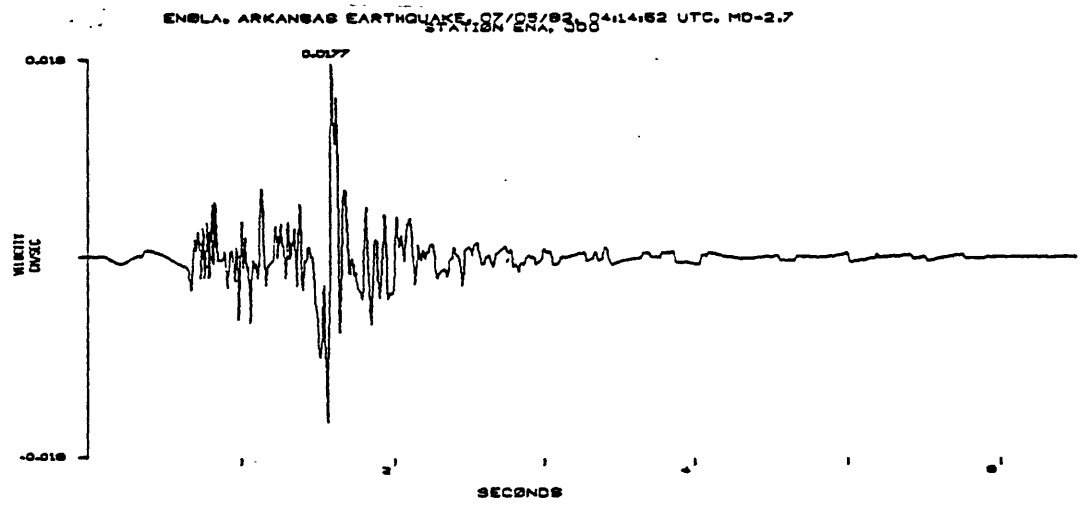

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN EKR, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS
0.04
0.1
0.2
0.4
1
2
4
10
20

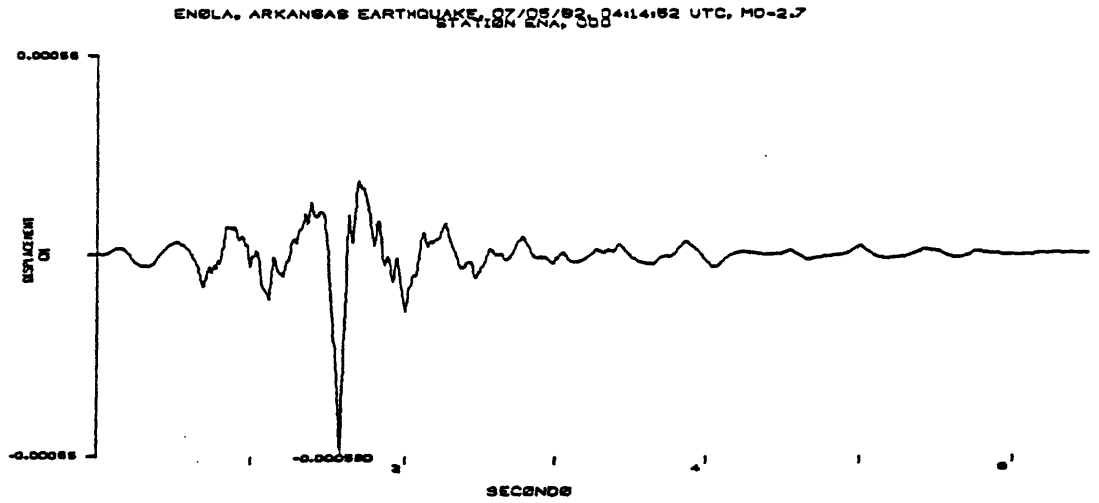
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION ENA, VERT
3.80
3.719
-3.80
ACCELERATION
CM/SEC/SEC
1
2
4
8
SECONDS

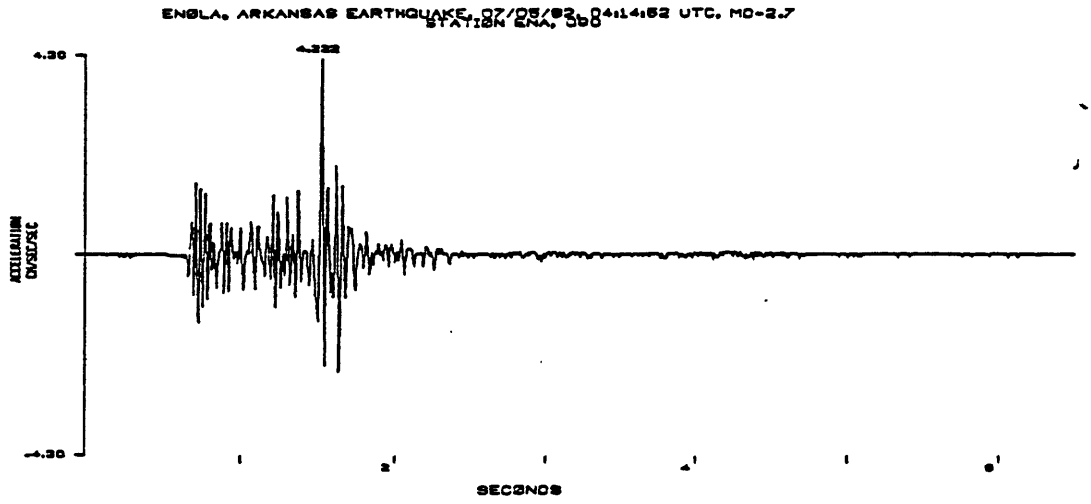

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION ENA, VERT
0.018
0.0179
-0.018
VELOCITY
CM/SEC
1
2
4
8
SECONDS

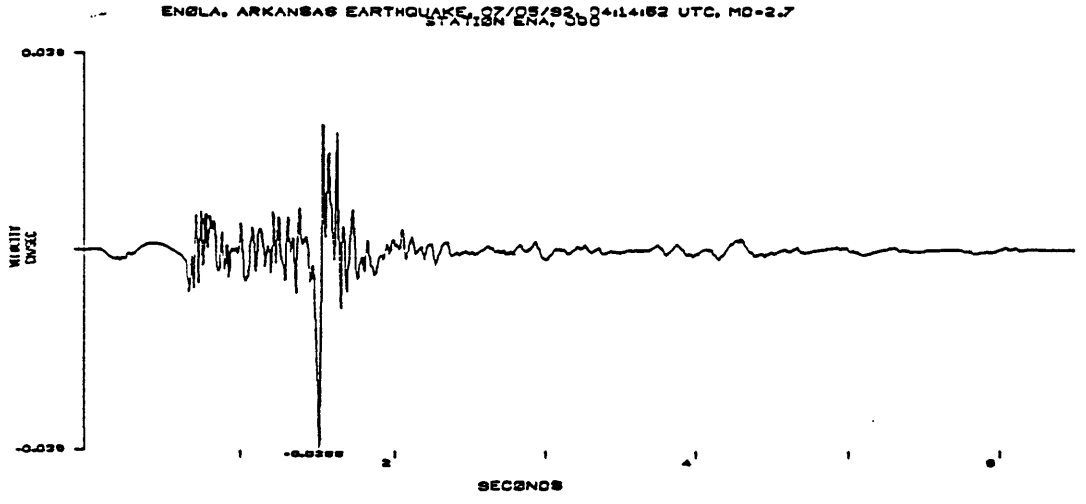

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION ENA, VERT
0.00038
-0.00038
-0.000378
DISPLACEMENT
CM
1
2
4
8
SECONDS

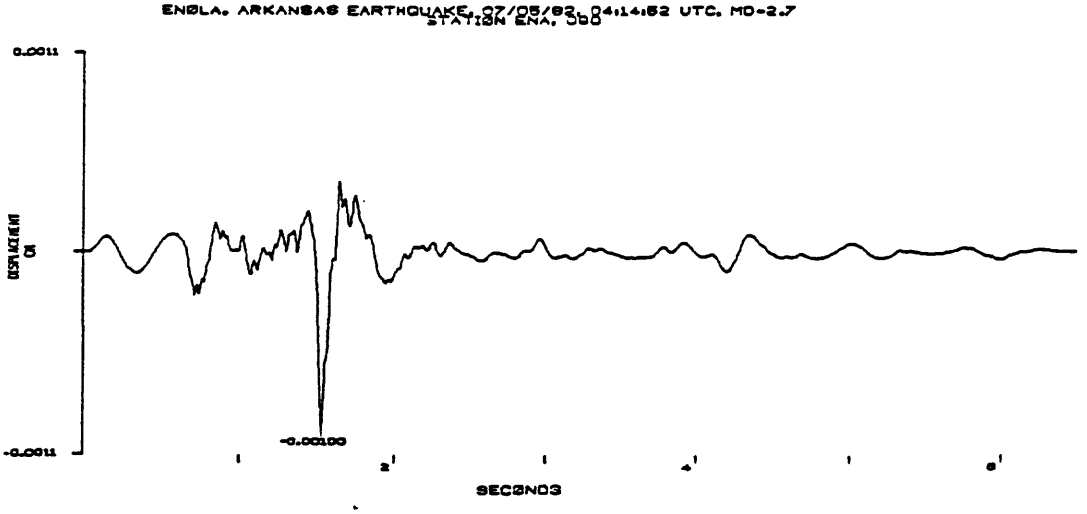

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:14:52 UTC, MD=2.7
STATION ENA, 00
2.30
2.144
ACCELERATION CM/SEC/SEC
-2.30
2
4
6
SECONDS

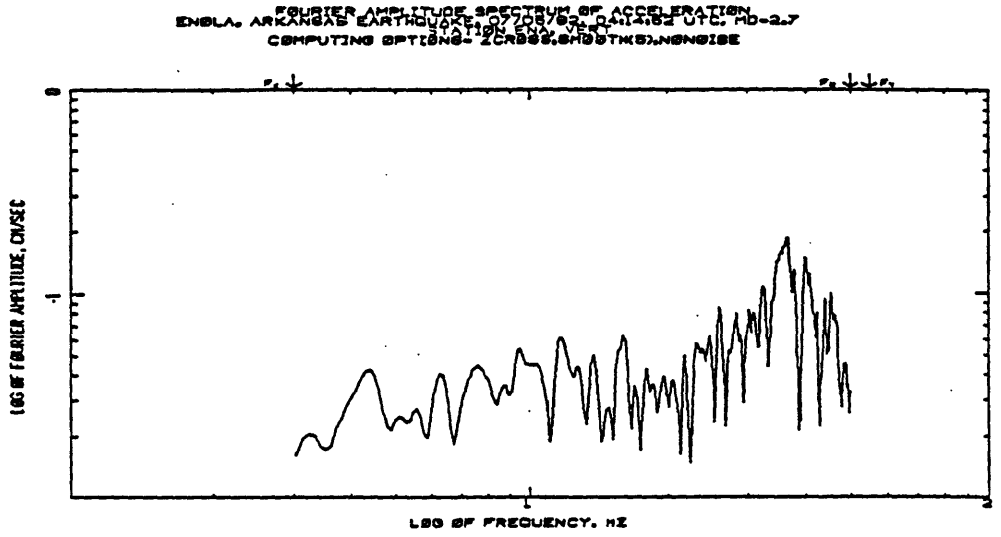

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:14:52 UTC, MD=2.7
STATION ENA, 00
0.018
0.0177
VELOCITY CM/SEC
-0.018
2
4
6
SECONDS

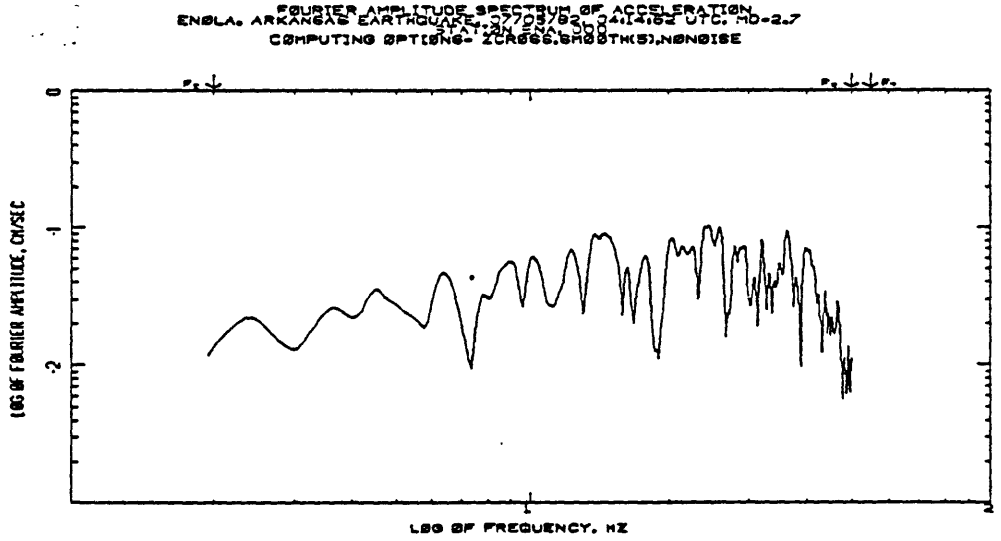

ENGLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:14:52 UTC, MD=2.7
STATION ENA, 00
0.00066
DISPLACEMENT CM
-0.00066
-0.000550
2
4
6
SECONDS

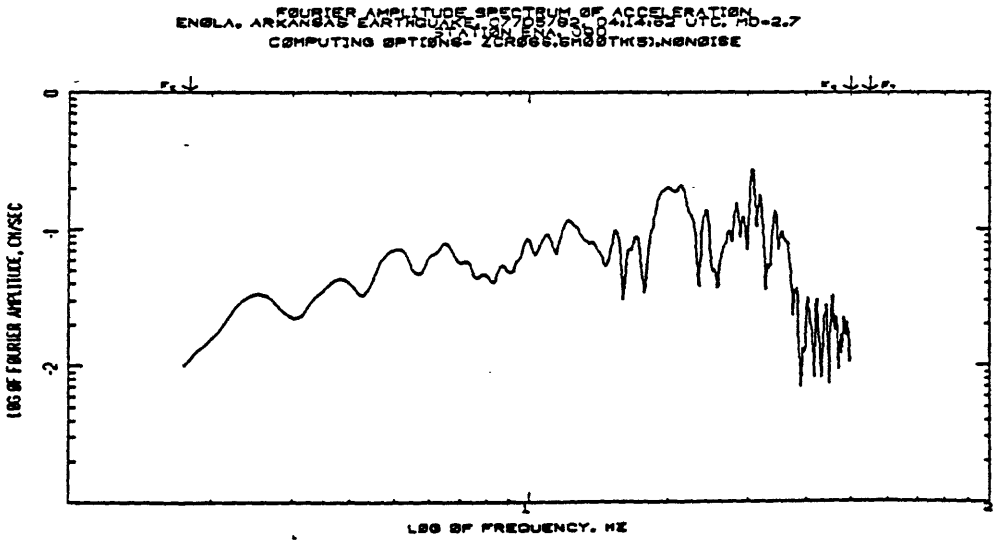

ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 04:14:52 UTC, MD-2.7
STATIØN ENA, Ubo
4.30
-4.30
SECØNDS

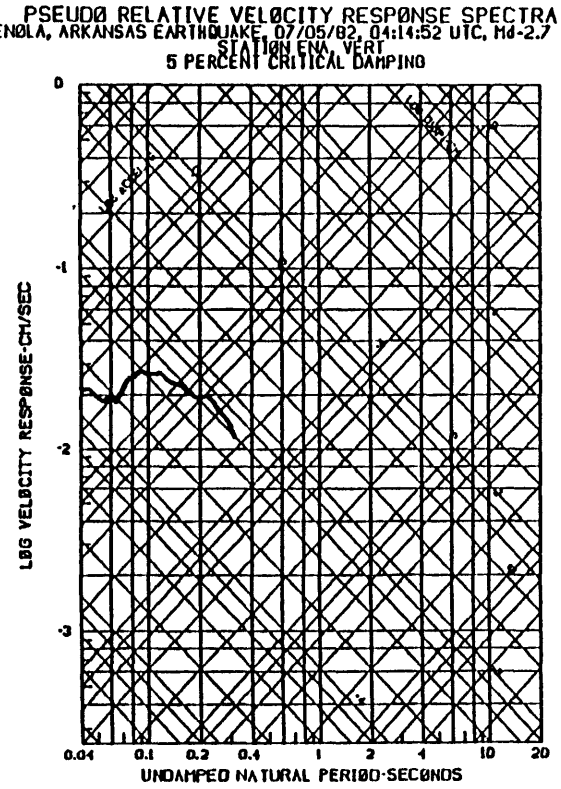

ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 04:14:52 UTC, MD-2.7
STATIØN ENA, Ubo
0.039
-0.039
SECØNDS

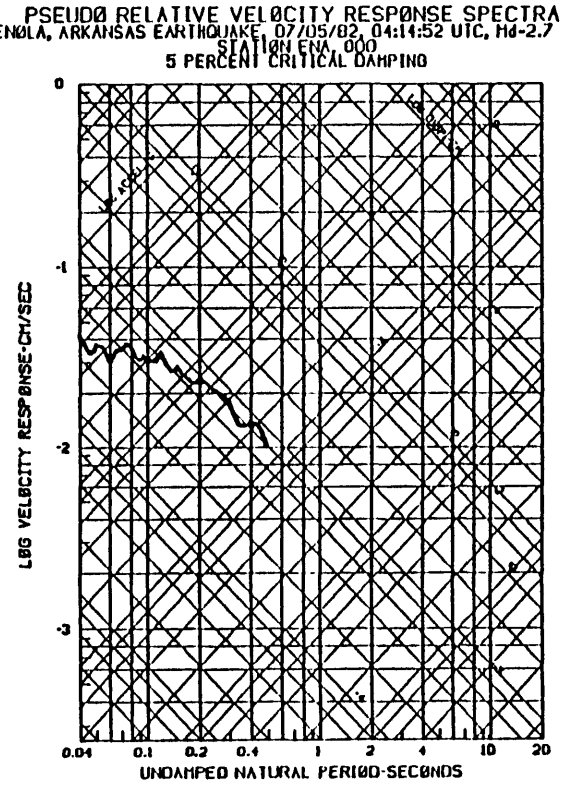

ENØLA, ARKANSAS EARTHQUAKE, 07/05/92, 04:14:52 UTC, MD-2.7
STATIØN ENA, Ubo
0.0011
-0.0011
-0.00100
SECØNDS

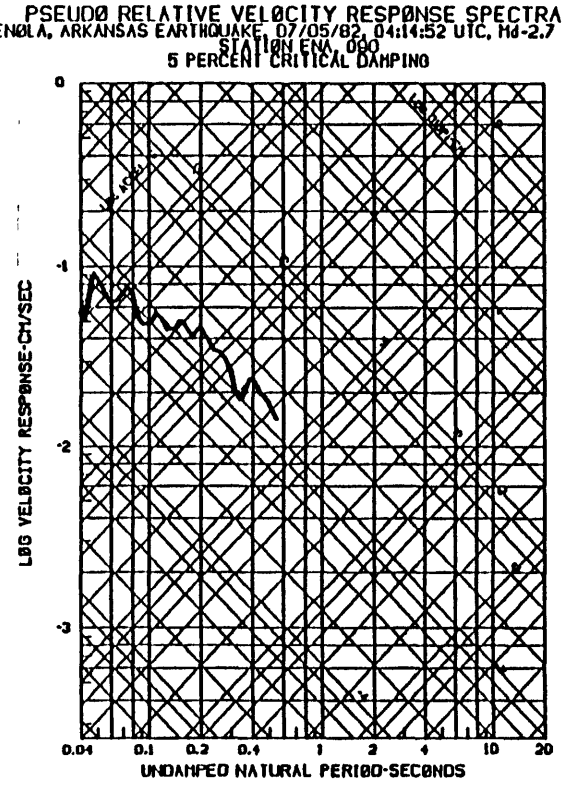

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/09/82 04:14:52 UTC, MD=2.7
STATION ENA VERT
COMPUTING OPTIONS- ZCR66,SM00TH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
LOG OF FREQUENCY, HZ

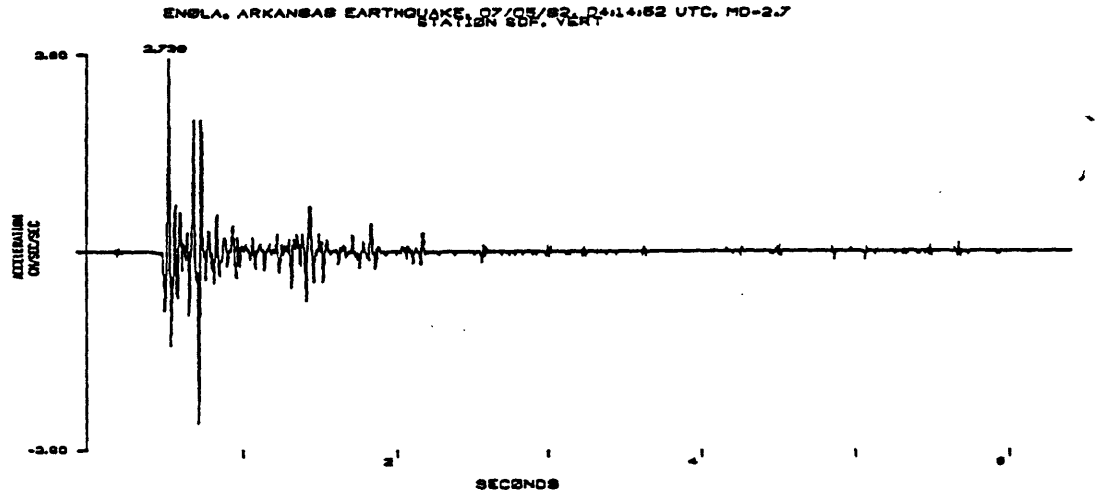

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/09/82 04:14:52 UTC, MD=2.7
STATION ENA E-W
COMPUTING OPTIONS- ZCR66,SM00TH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
-2
LOG OF FREQUENCY, HZ

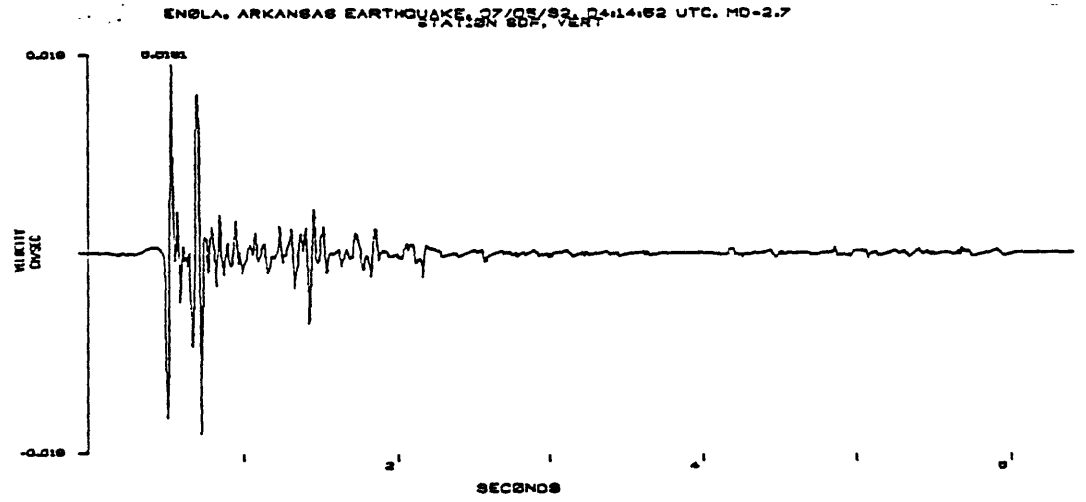

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/09/82 04:14:52 UTC, MD=2.7
STATION ENA N-S
COMPUTING OPTIONS- ZCR66,SM00TH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
-2
LOG OF FREQUENCY, HZ

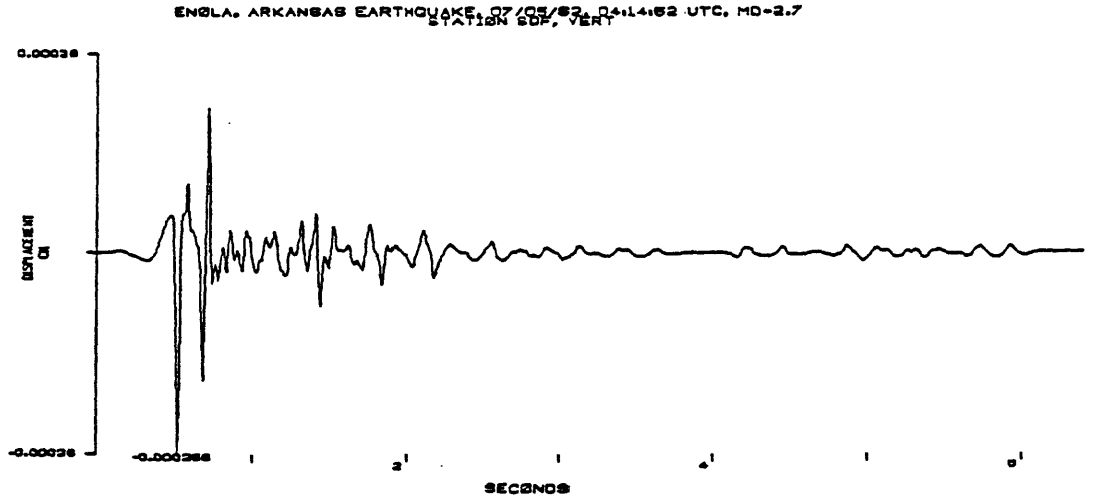

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN ENA, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

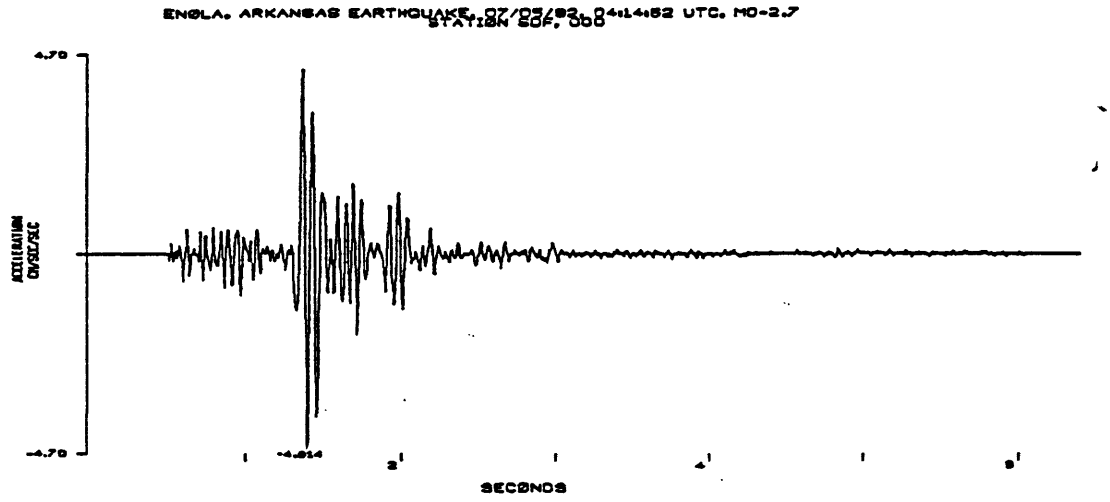

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN ENA, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

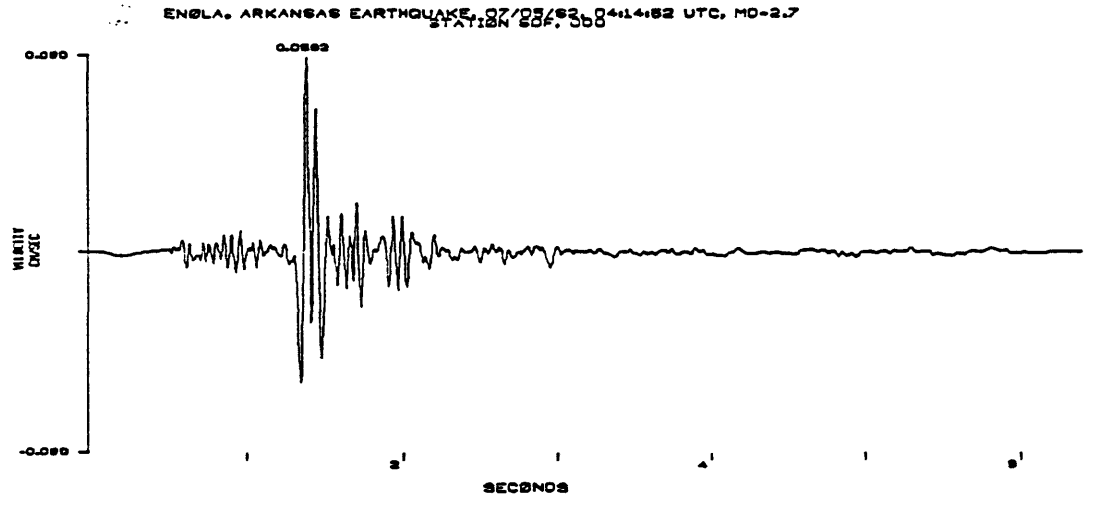

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN ENA, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

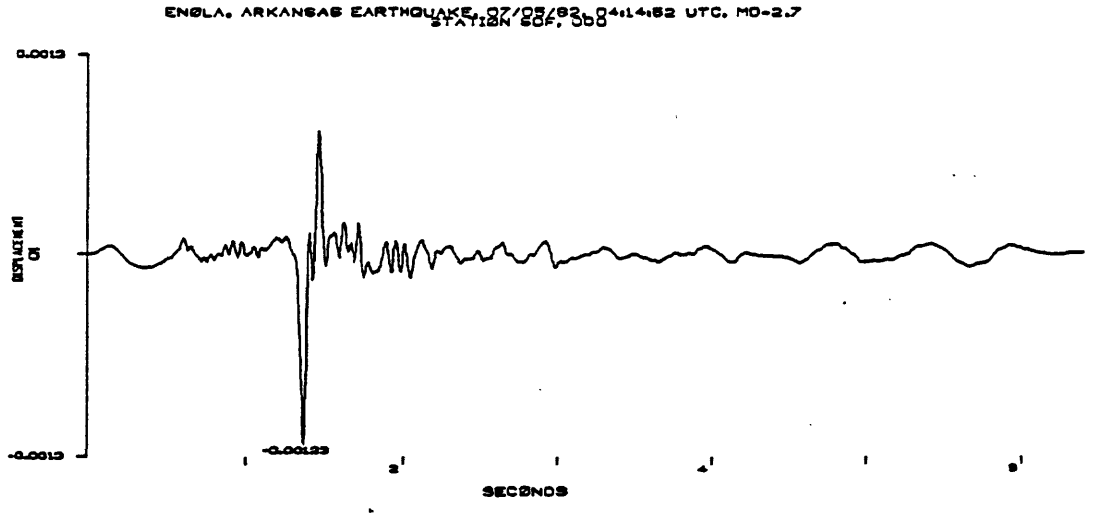

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION SDF, VERT
2.00
-2.00
SECONDS

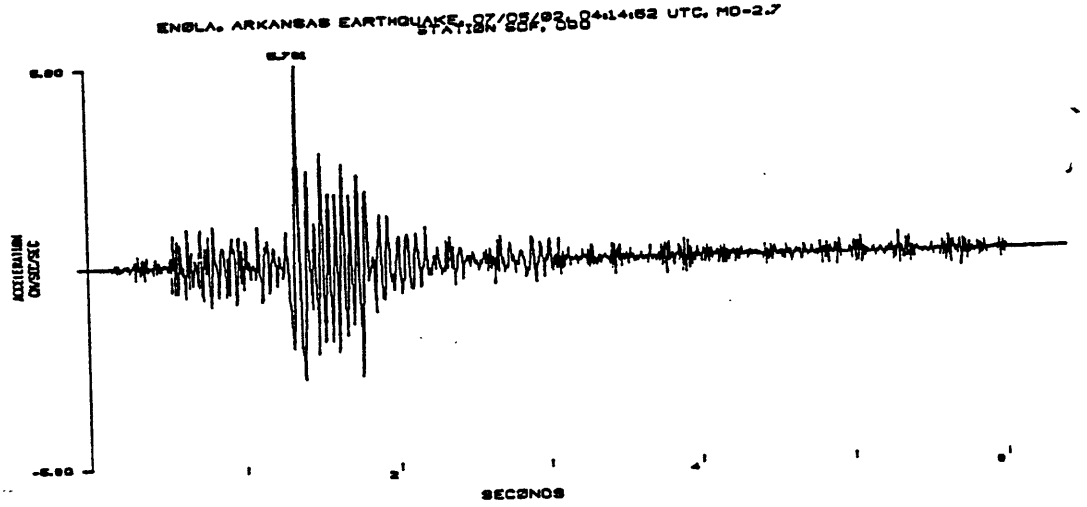

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION SDF, VERT
0.010
-0.010
SECONDS

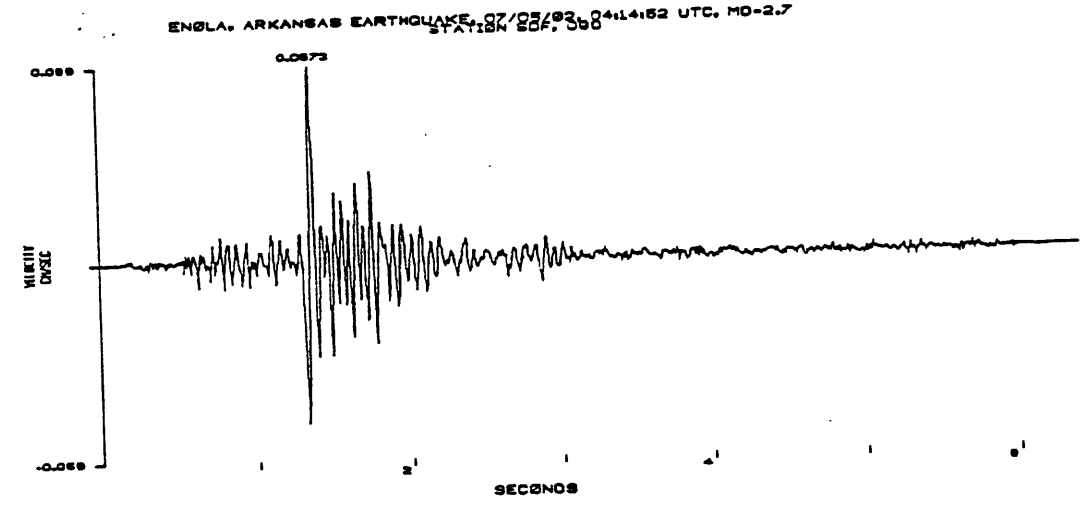

ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION SDF, VERT
0.00038
-0.00038
SECONDS

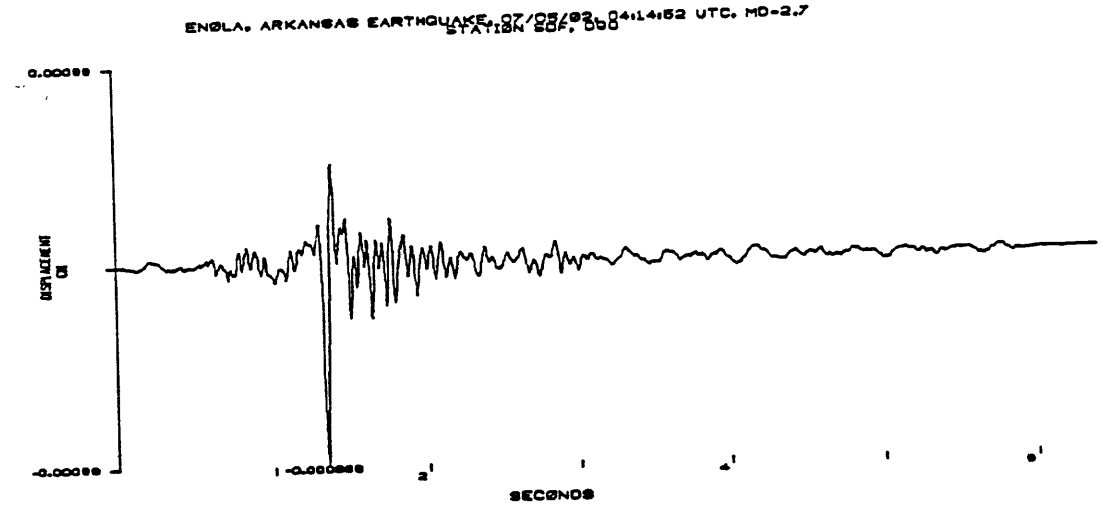

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATIØN SOF, UDD
4.70
-4.70
-4.014
SECØNDS

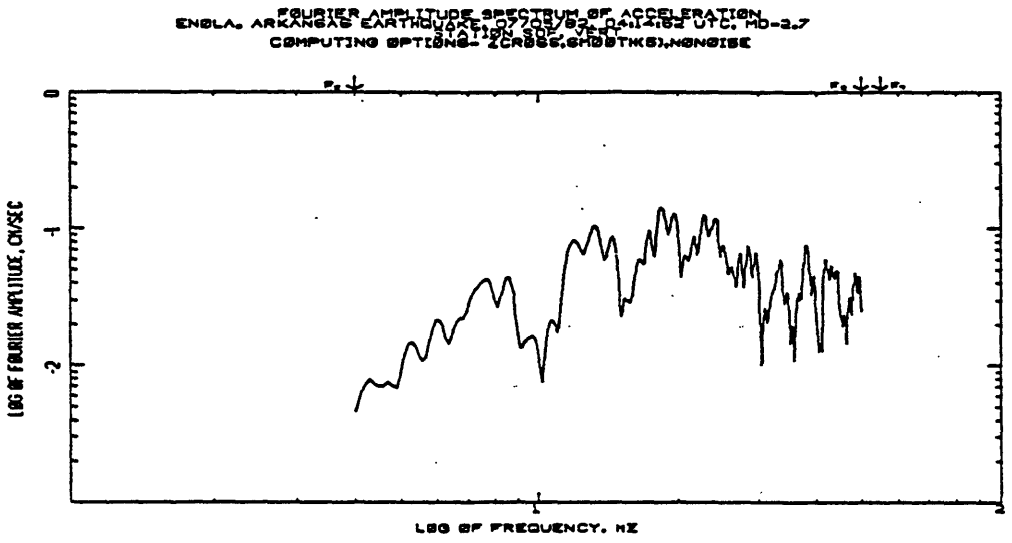

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATIØN SOF, UDD
0.090
-0.090
0.0582
SECØNDS

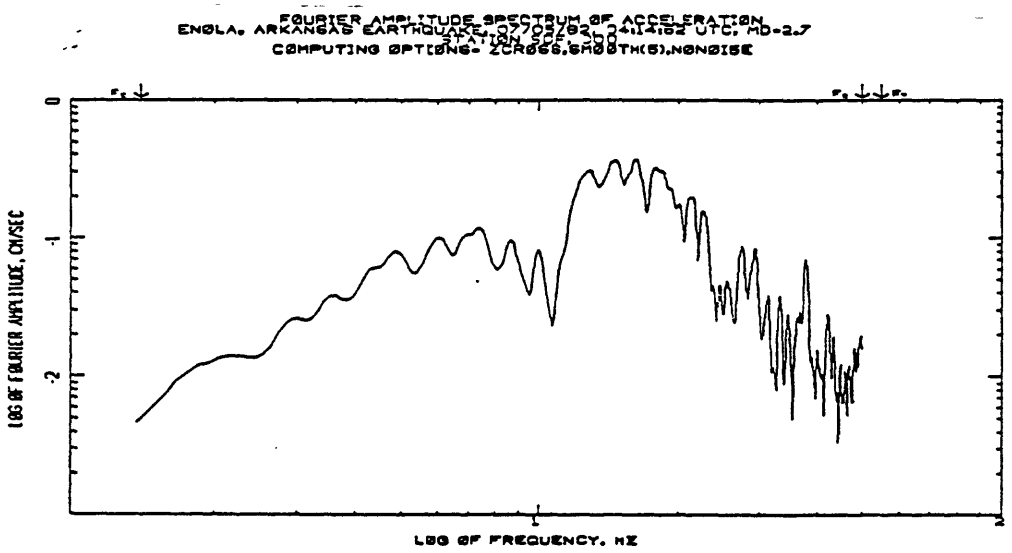

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD-2.7
STATIØN SOF, UDD
0.0013
-0.0013
-0.00123
SECØNDS

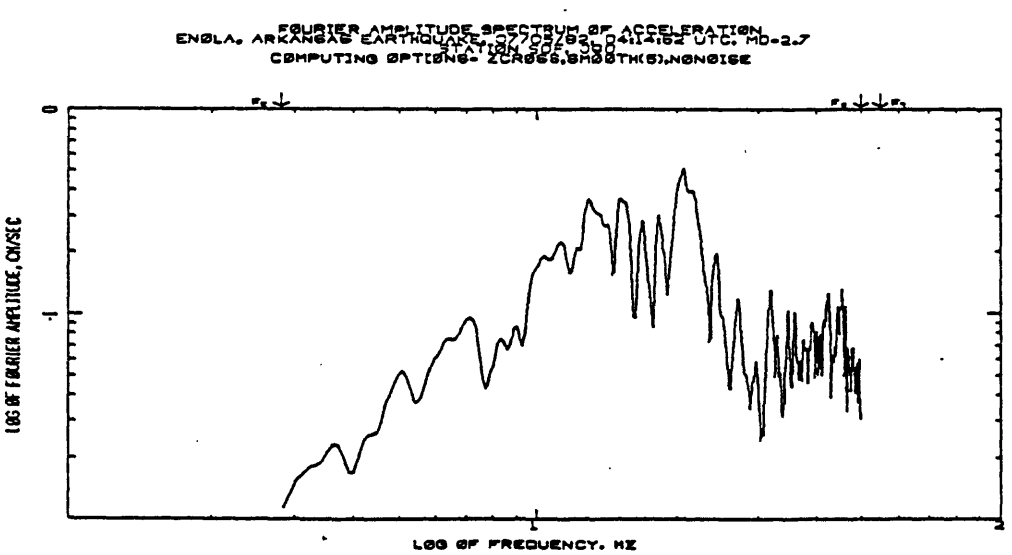

ENØLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:14:52 UTC, MD=2.7
STATION SOF, DD
ACCELERATION CM/SEC/SEC
SECØNDS

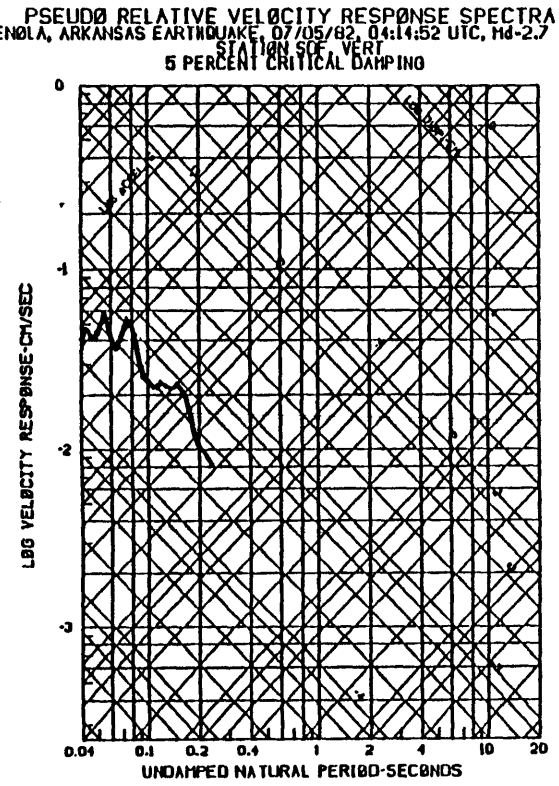

ENØLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:14:52 UTC, MD=2.7
STATION SOF, DD
VELOCITY CM/SEC
SECØNDS

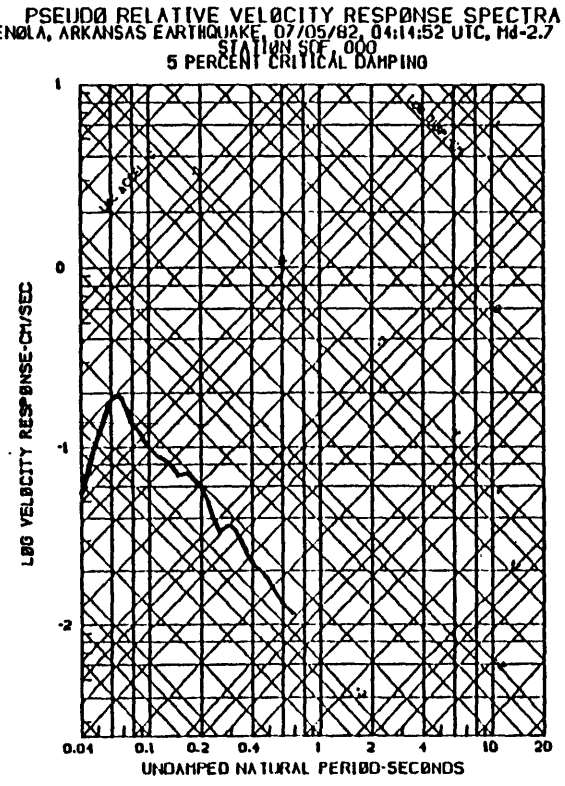

ENØLA, ARKANSAS EARTHQUAKE, 07/05/93, 04:14:52 UTC, MD=2.7
STATION SOF, DD
DISPLACEMENT CM
SECØNDS

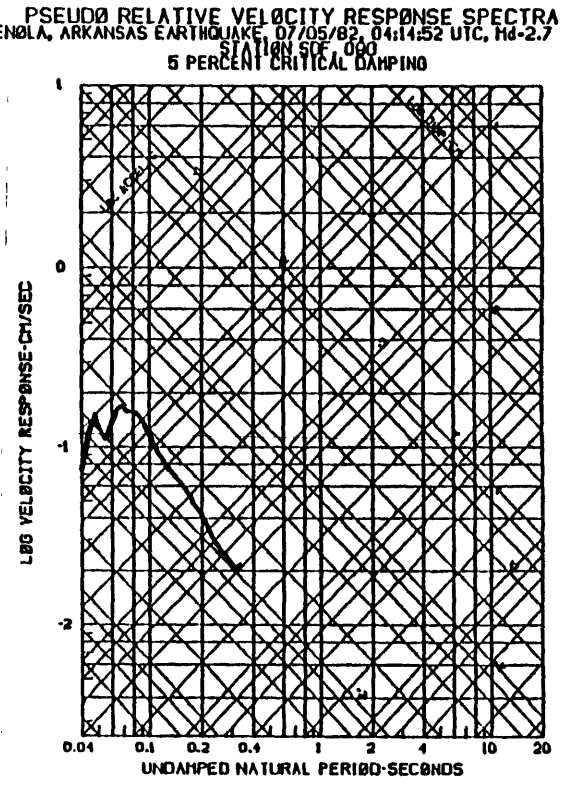

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION SOF, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
-2
LOG OF FREQUENCY, HZ

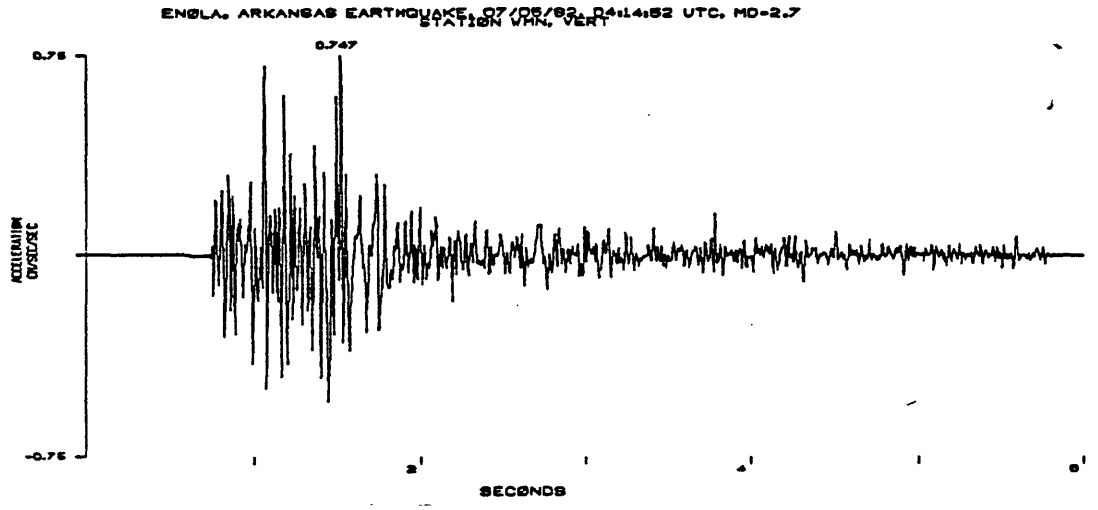

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION SOF, N90
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
-2
LOG OF FREQUENCY, HZ

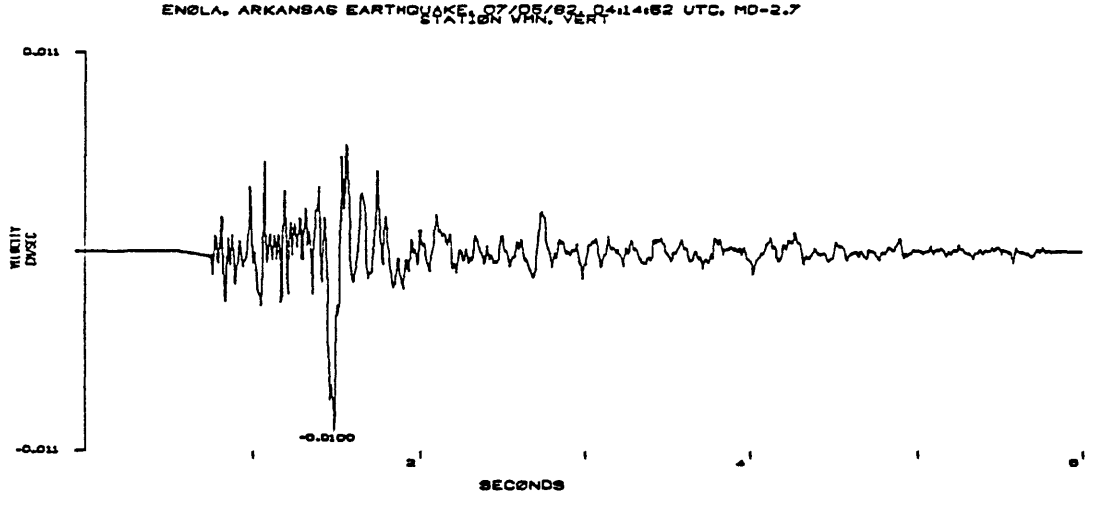

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION SOF, W90
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
LOG OF FREQUENCY, HZ

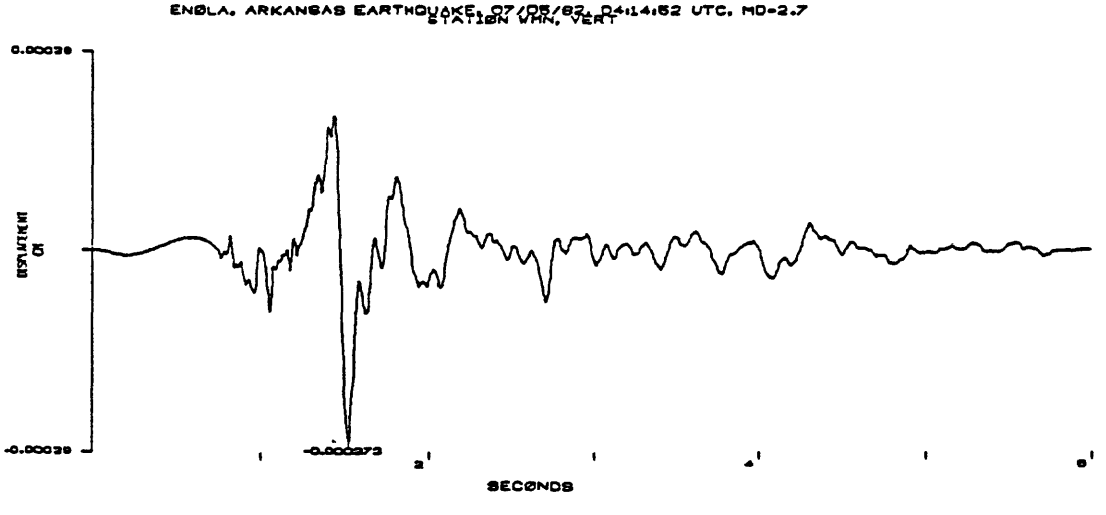

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN SCE, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

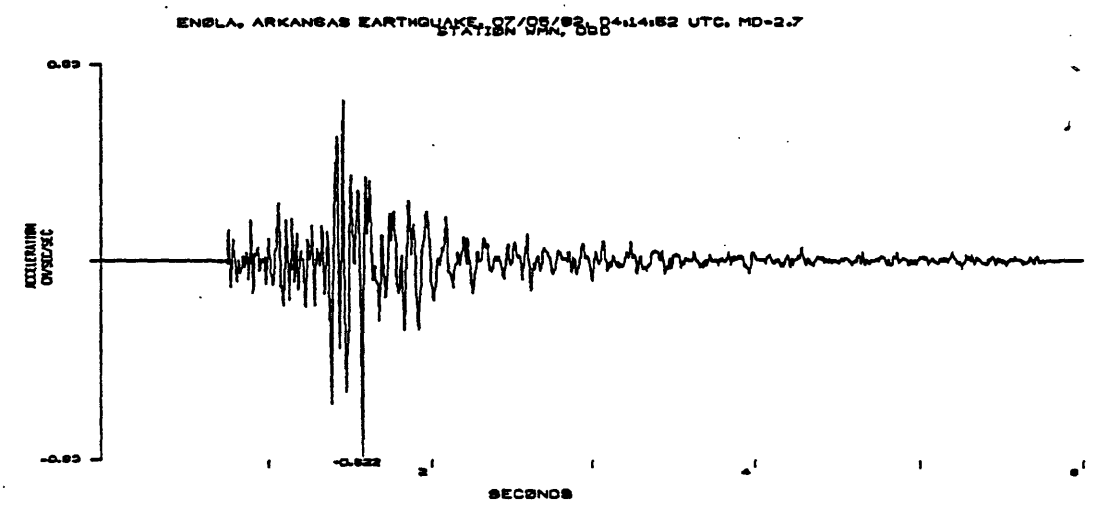

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN SCE, 000
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

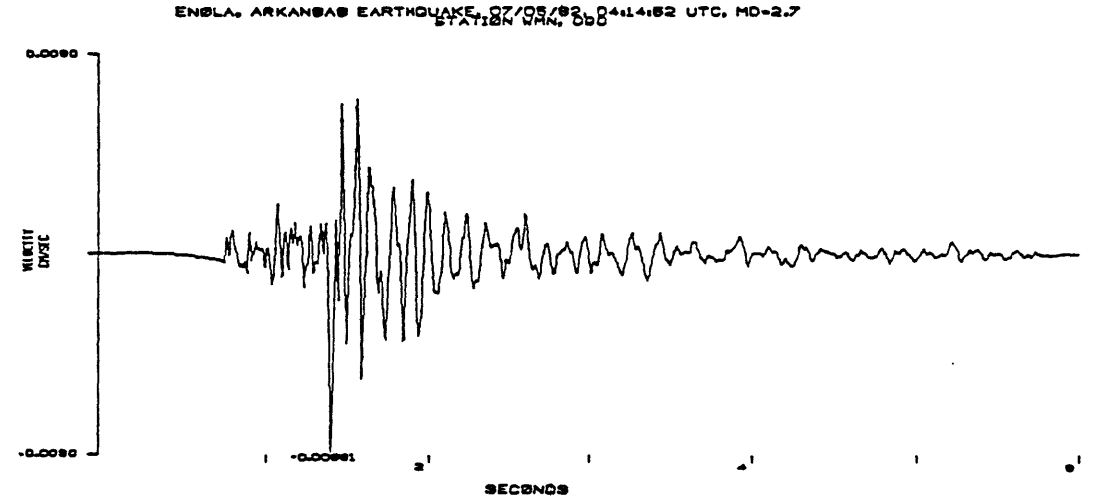

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, Md-2.7
STATIØN SCE, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
UNDAMPED NATURAL PERIØD-SECØNDS

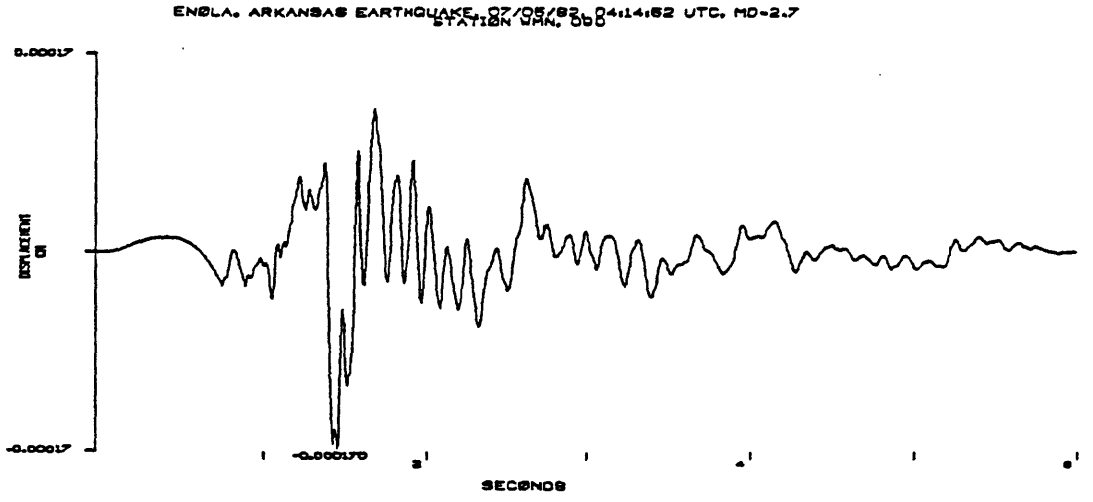

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATIØN VHN, VERT
0.747
0.75
-0.75
ACCELERATION
CM/SEC/SEC
1
2
4
6
SECØNDS

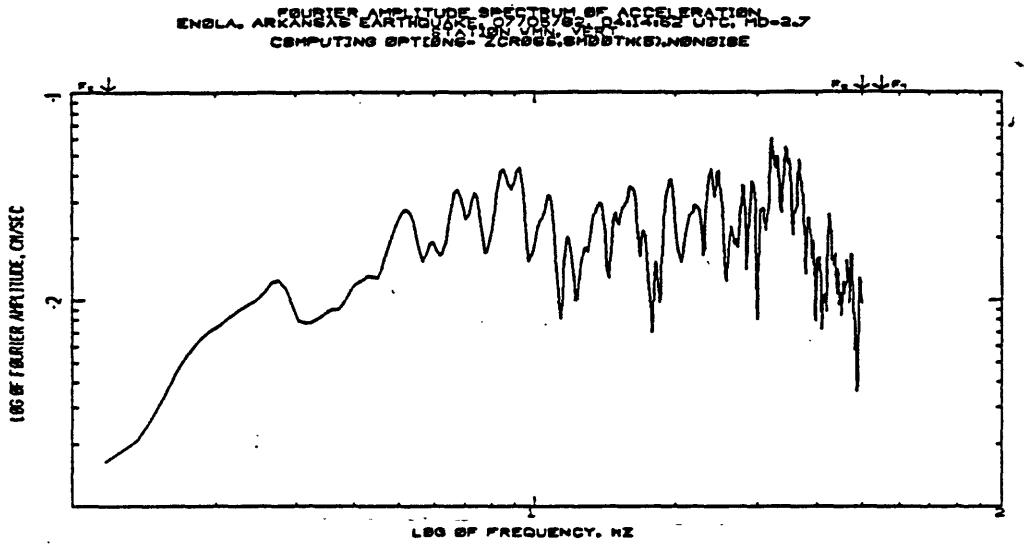

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATIØN VHN, VERT
0.011
-0.011
-0.0100
VELOCITY
CM/SEC
1
2
4
6
SECØNDS

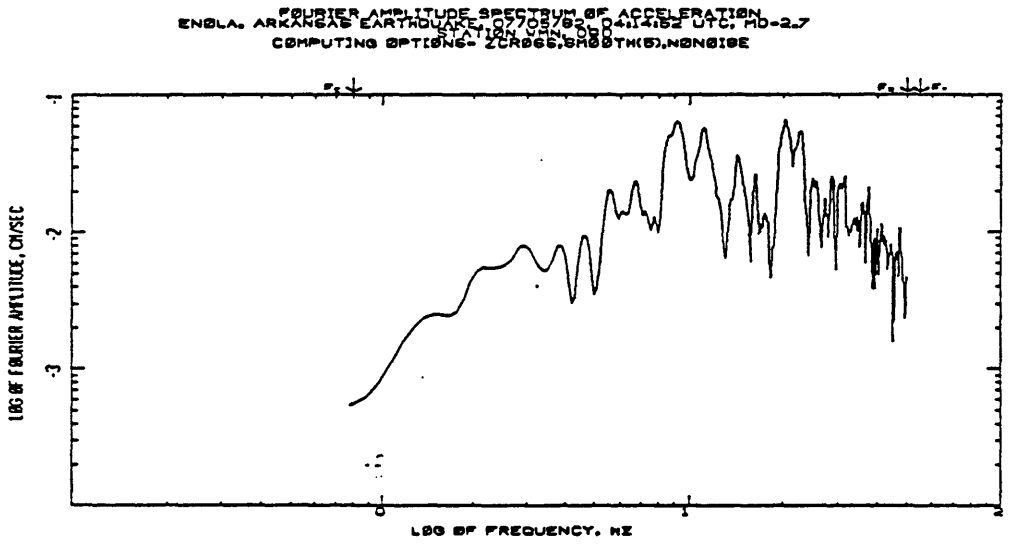

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATIØN VHN, VERT
0.000039
-0.000039
-0.000073
DISPLACEMENT
CM
1
2
4
6
SECØNDS

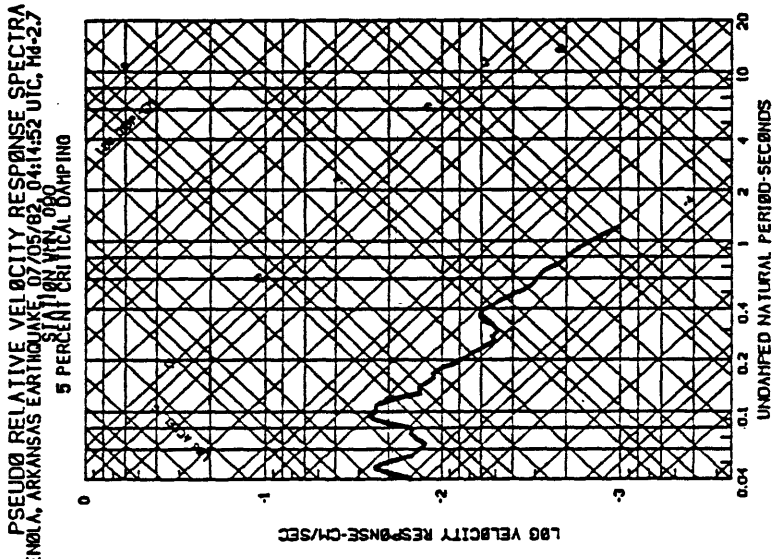

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATIØN WMN, DDD
0.03
-0.03
-0.022
2
4
6
SECØNDS

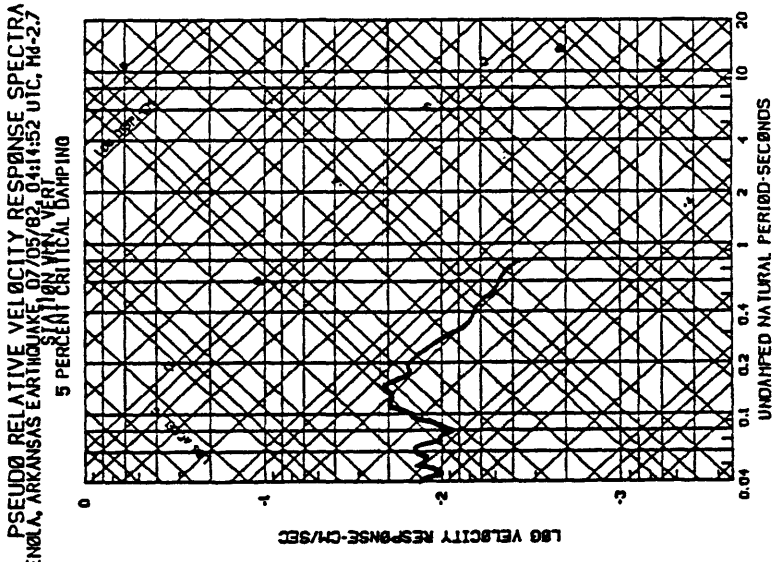

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATIØN WMN, DDD
0.0090
-0.0090
-0.00881
2
4
6
SECØNDS

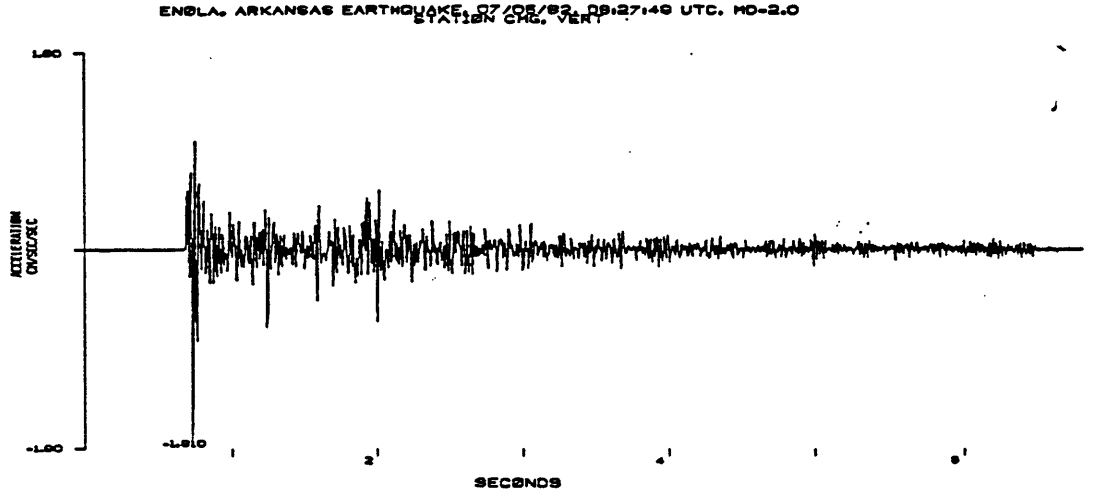

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATIØN WMN, DDD
0.00017
-0.00017
-0.000170
2
4
6
SECØNDS

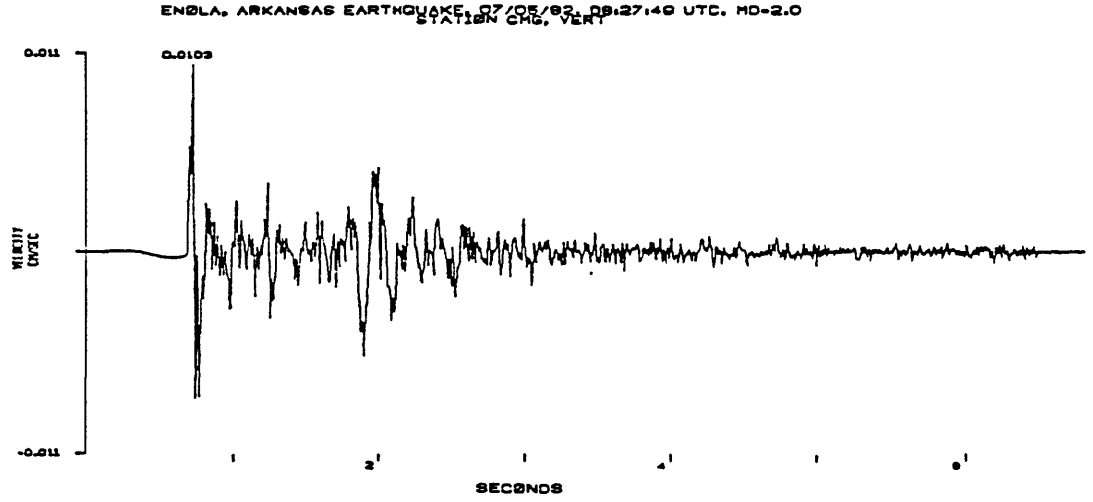

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION VHN, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

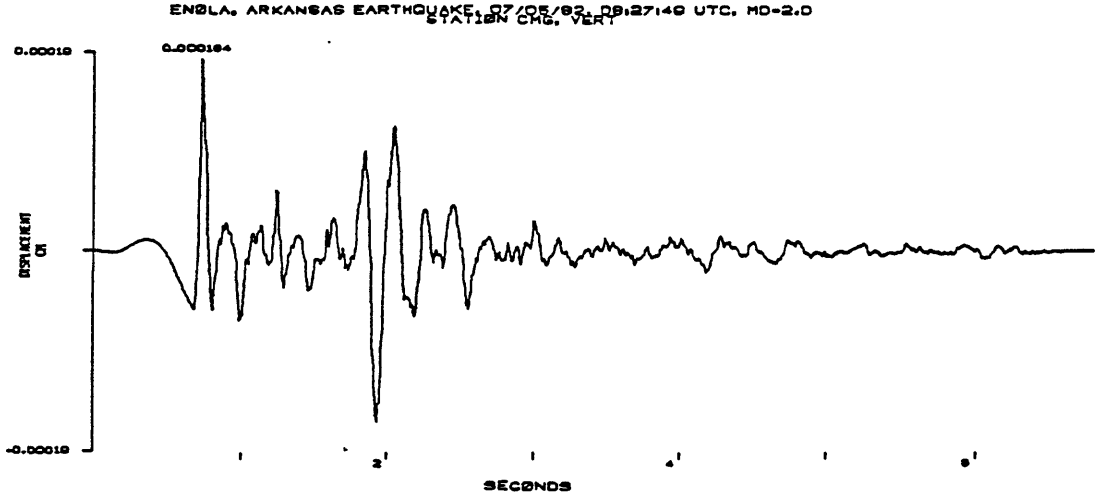

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 04:14:52 UTC, MD=2.7
STATION VHN, 090
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

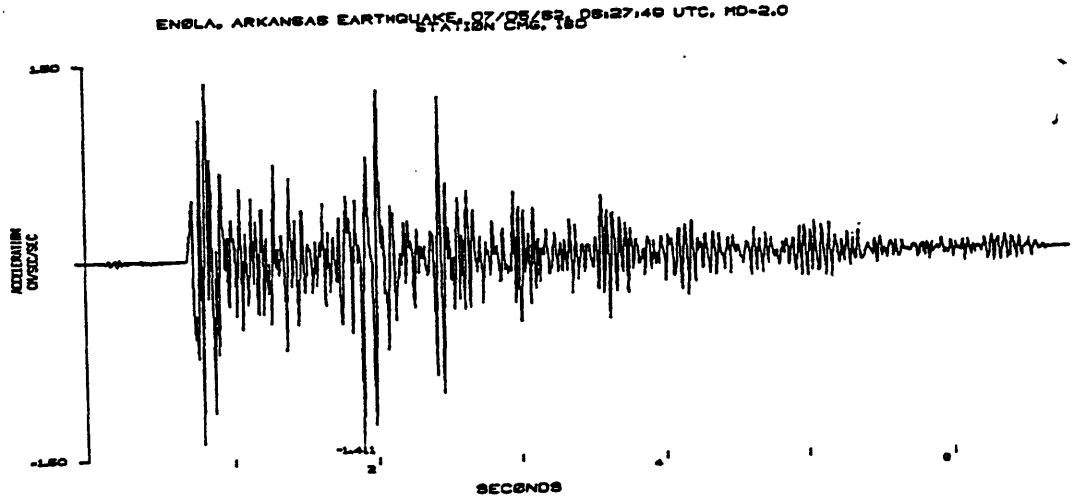

PSEUDO RELATIVE VELOCITY RESPONSE SPECTRA
ENOLA, ARKANSAS EARTHQUAKE 07/05/82 04:14:52 UTC, MG-2.7
STATION VERT, 060
5 PERCENT CRITICAL DAMPING
LOG VELOCITY RESPONSE-CM/SEC
UNDAMPED NATURAL PERIOD-SECONDS

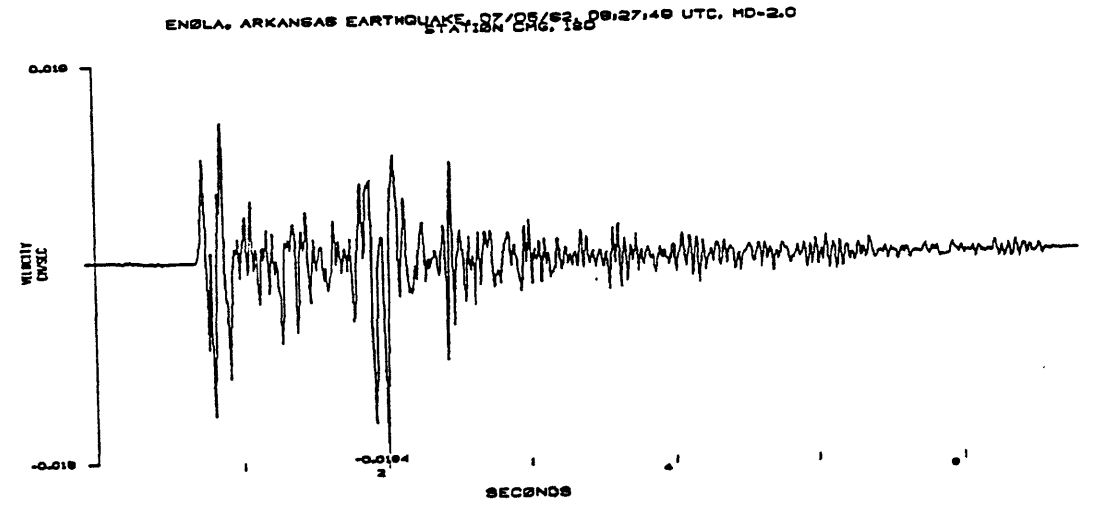

PSEUDO RELATIVE VELOCITY RESPONSE SPECTRA
ENOLA, ARKANSAS EARTHQUAKE 07/05/82 04:14:52 UTC, MG-2.7
STATION VERT, 060
5 PERCENT CRITICAL DAMPING
LOG VELOCITY RESPONSE-CM/SEC
UNDAMPED NATURAL PERIOD-SECONDS

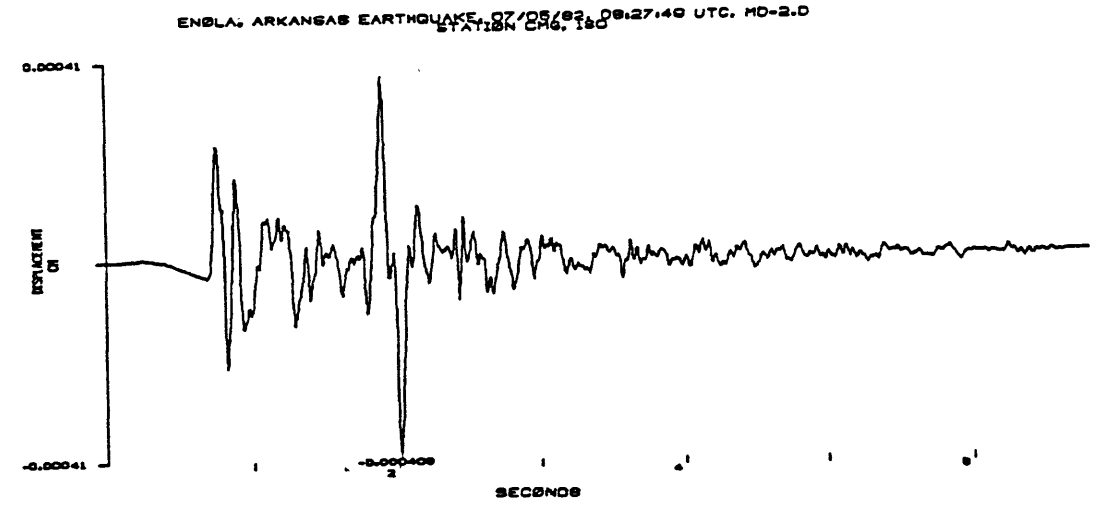

ENØLA, ARKANSAS EARTHQUAKE: 07/05/82, 09:27:49 UTC, MD=2.0
STATIØN CHG, VERT
1.00
-1.00
-1.010
2
4
6
SECØNDS

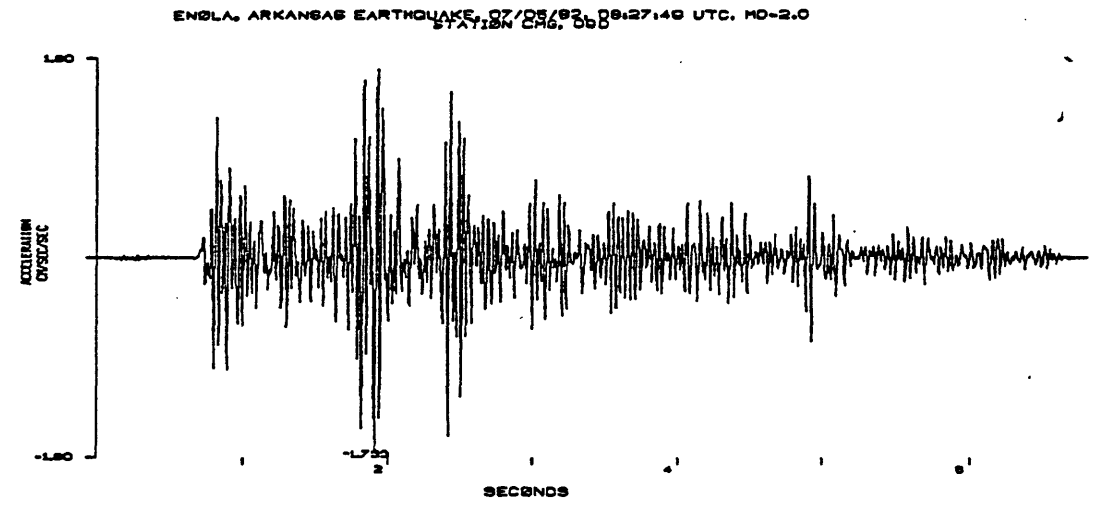

ENØLA, ARKANSAS EARTHQUAKE: 07/05/82, 09:27:49 UTC, MD=2.0
STATIØN CHG, VERT
0.011
0.0103
-0.011
2
4
6
SECØNDS

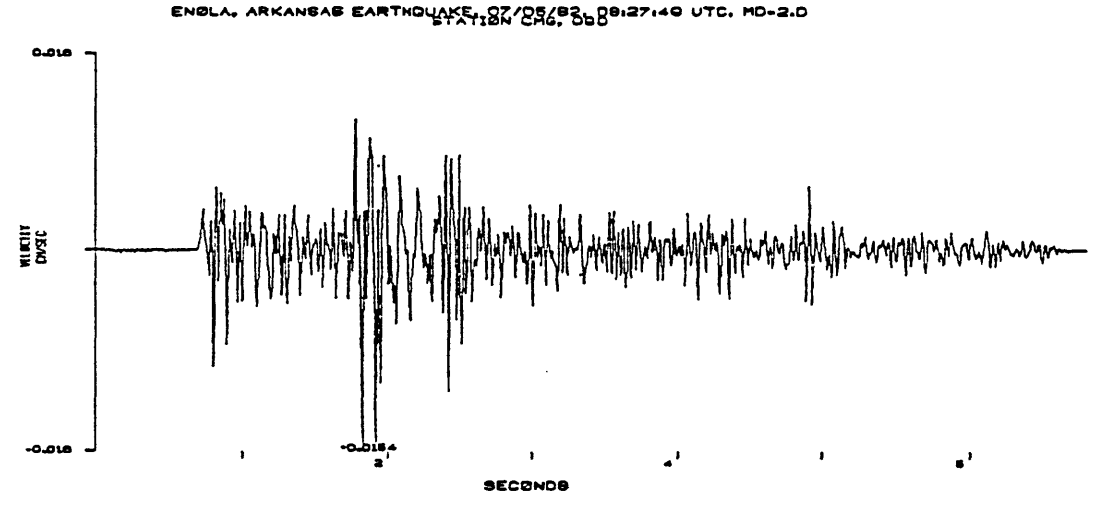

ENØLA, ARKANSAS EARTHQUAKE: 07/05/82, 09:27:49 UTC, MD=2.0
STATIØN CHG, VERT
0.000019
0.0001864
-0.000019
2
4
6
SECØNDS

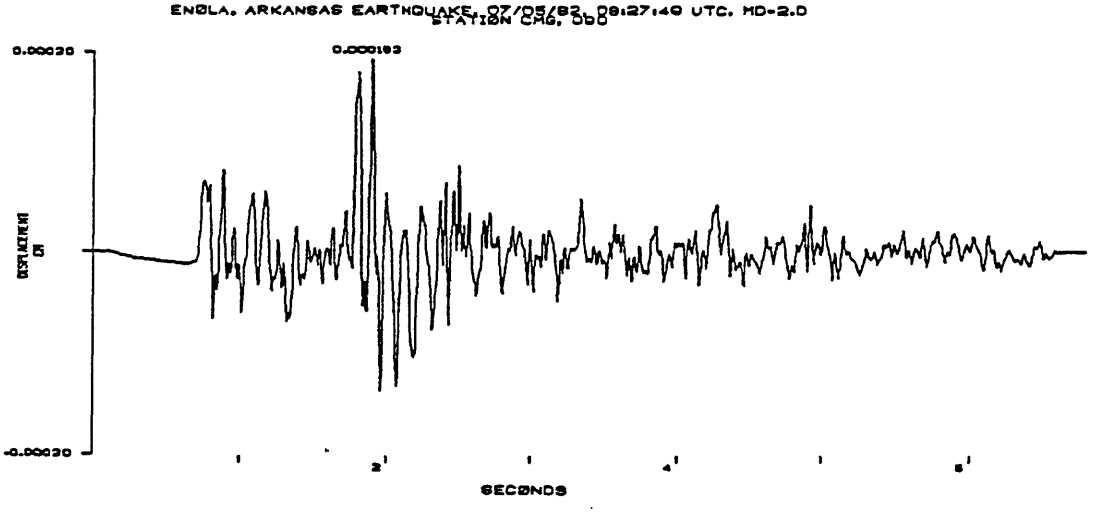

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:49 UTC, MD=2.0
STATION CHG. 180
1.50
-1.50
-1.411
SECØNDS

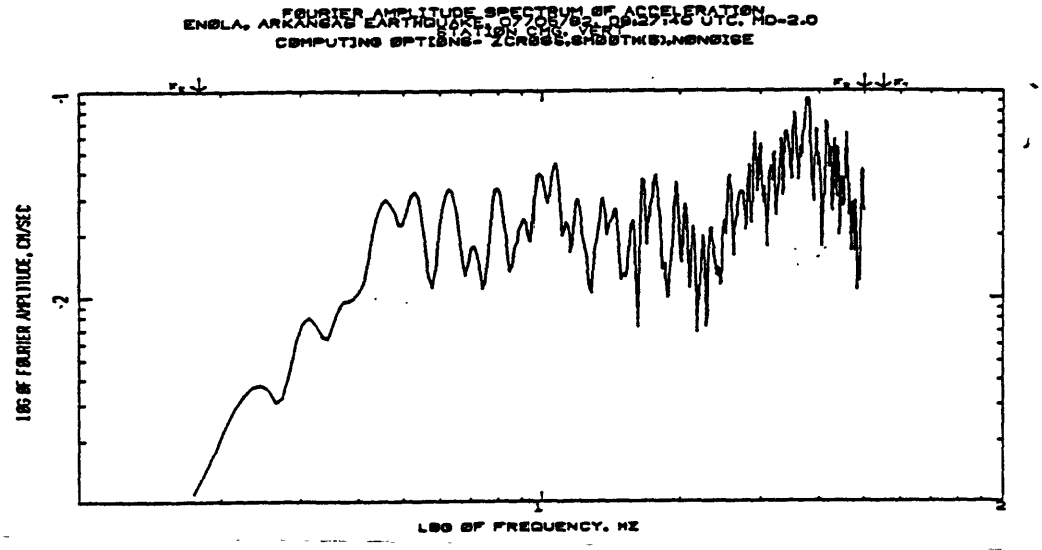

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:49 UTC, MD=2.0
STATION CHG. 180
0.019
-0.019
-0.0184
SECØNDS

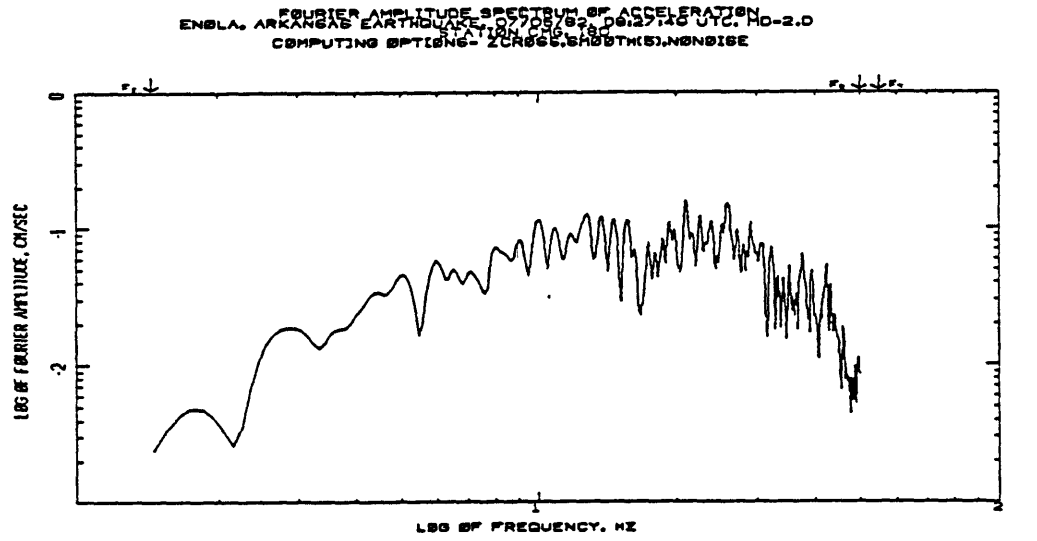

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:49 UTC, MD=2.0
STATION CHG. 180
0.00041
-0.00041
-0.000409
SECØNDS

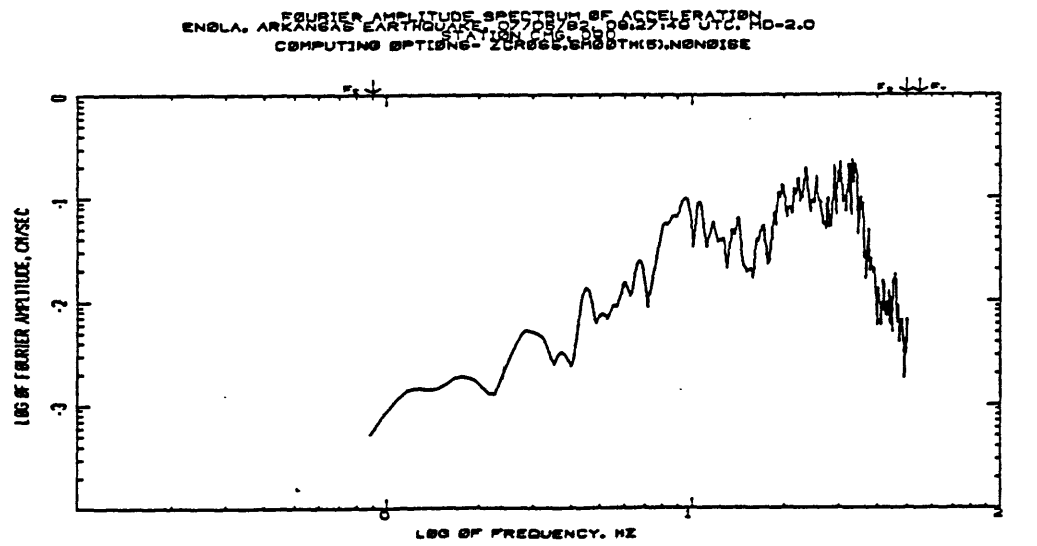

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:40 UTC, MD-2.0
STATION CHG, DDD
1.80
-1.80
ACCELERATION
CM/SEC/SEC
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:40 UTC, MD-2.0
STATION CHG, DDD
0.018
-0.018
-0.0184
VELOCITY
CM/SEC
SECØNDS

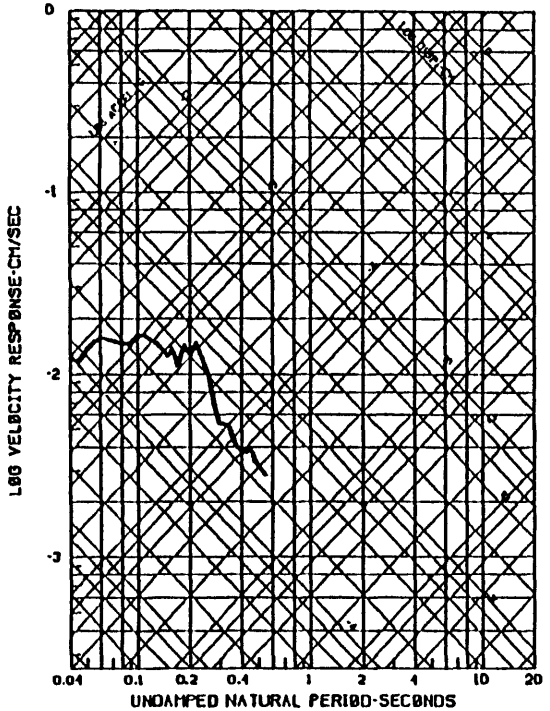

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:40 UTC, MD-2.0
STATION CHG, DDD
0.000020
-0.000020
0.000183
DISPLACEMENT
CM
SECØNDS


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07705/82, 06:27:46 UTC, MD=2.0
STATION CHG, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

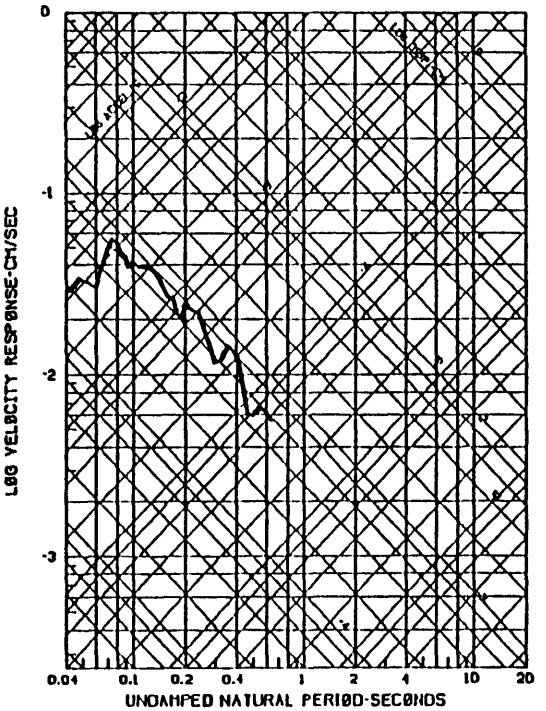

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07705/82, 06:27:46 UTC, MD=2.0
STATION CHG, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07705/82, 06:27:46 UTC, MD=2.0
STATION CHG, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

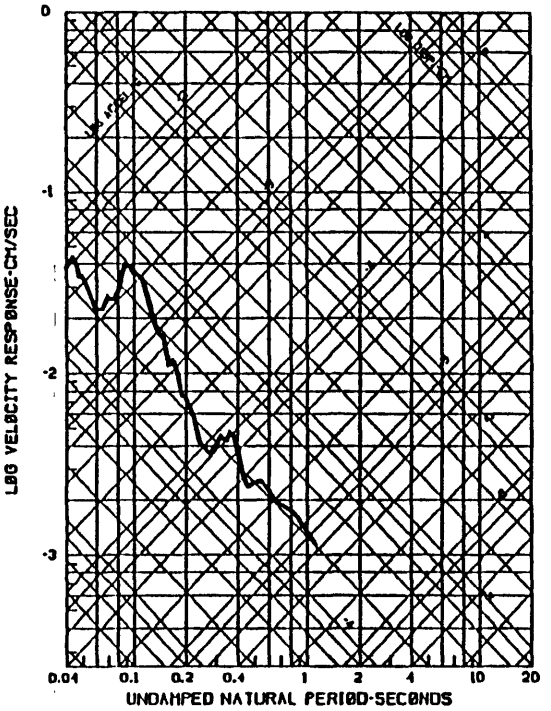
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:49 UTC, Md=2.0
STATIØN CMG, VERT
5 PERCENT CRITICAL DAMPING

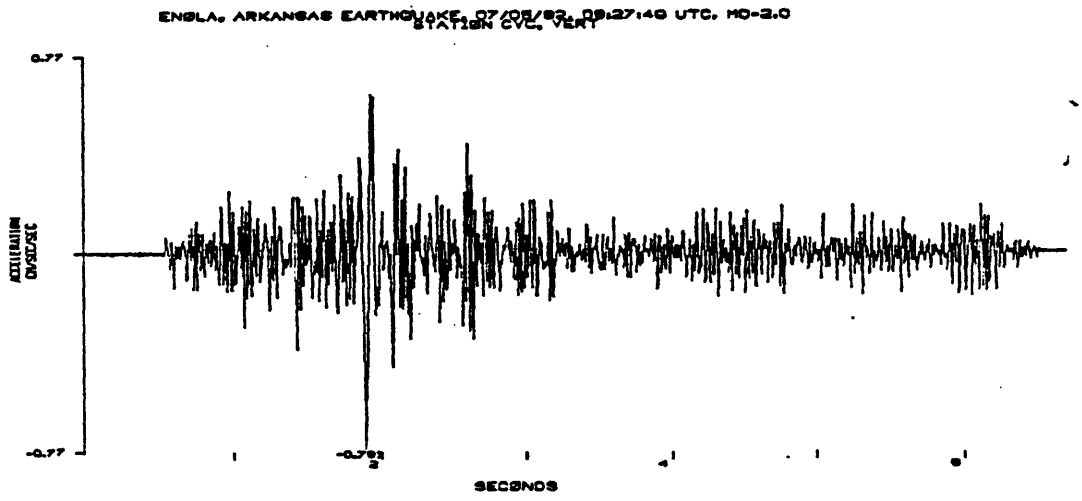


PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:49 UTC, Md=2.0
STATIØN CMG, 180
5 PERCENT CRITICAL DAMPING

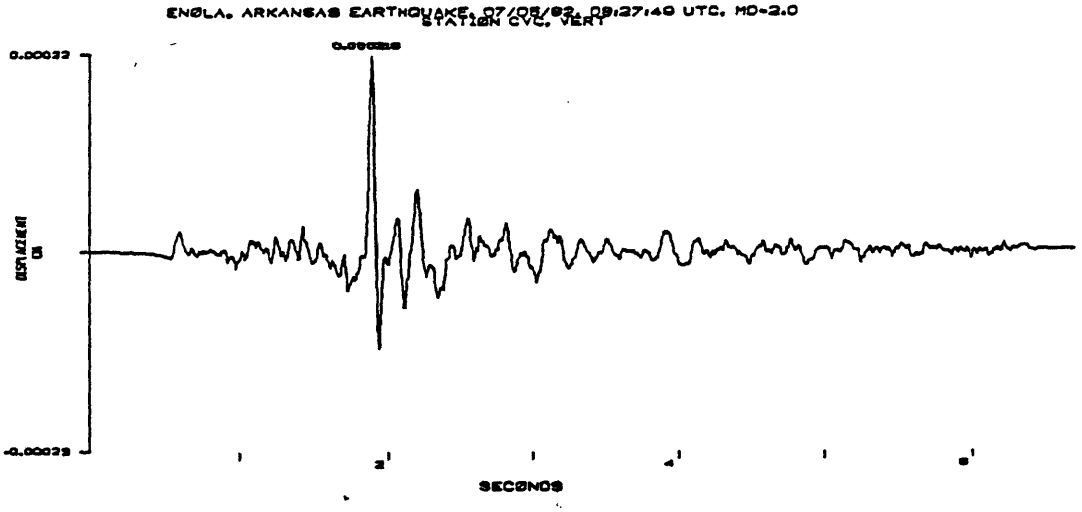


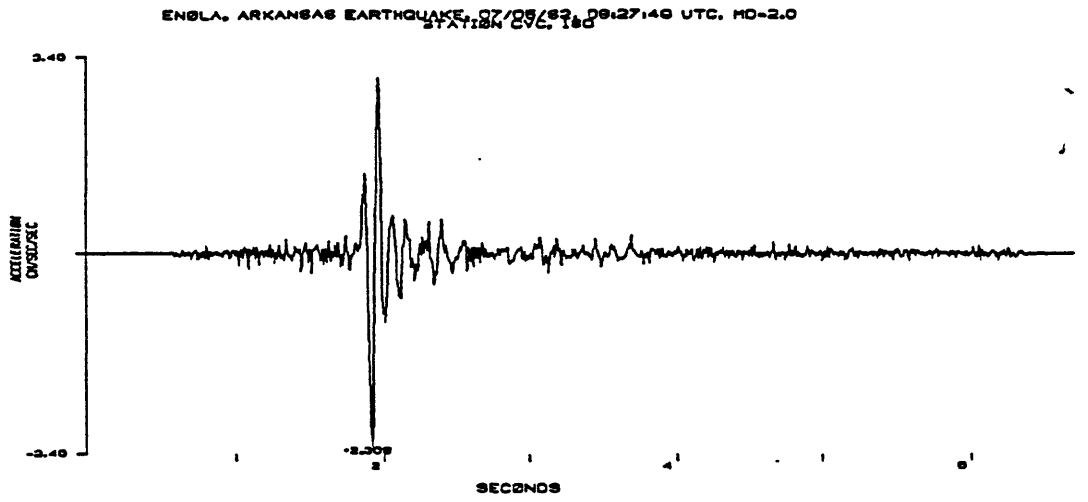
PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:49 UTC, Md=2.0
STATIØN CMG, 090
5 PERCENT CRITICAL DAMPING

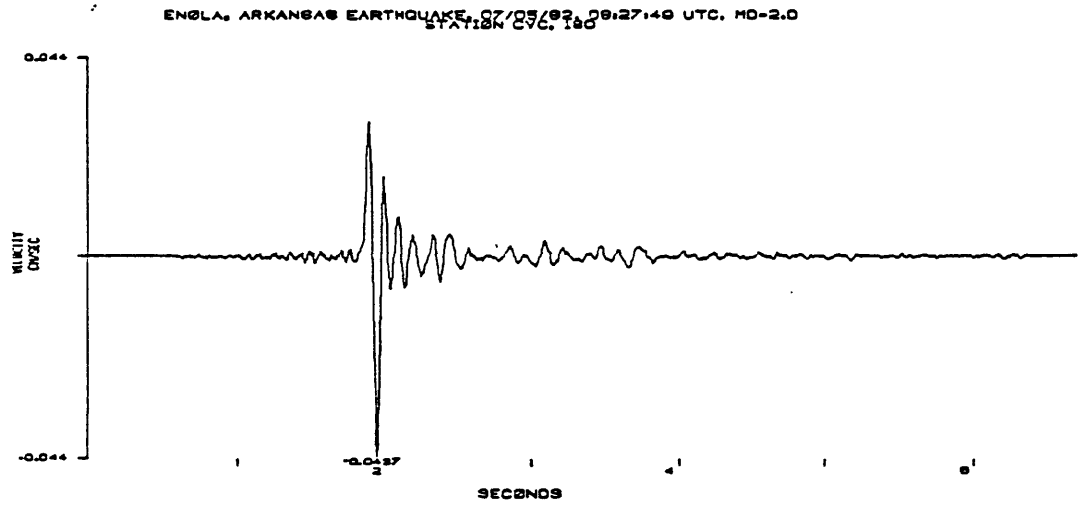


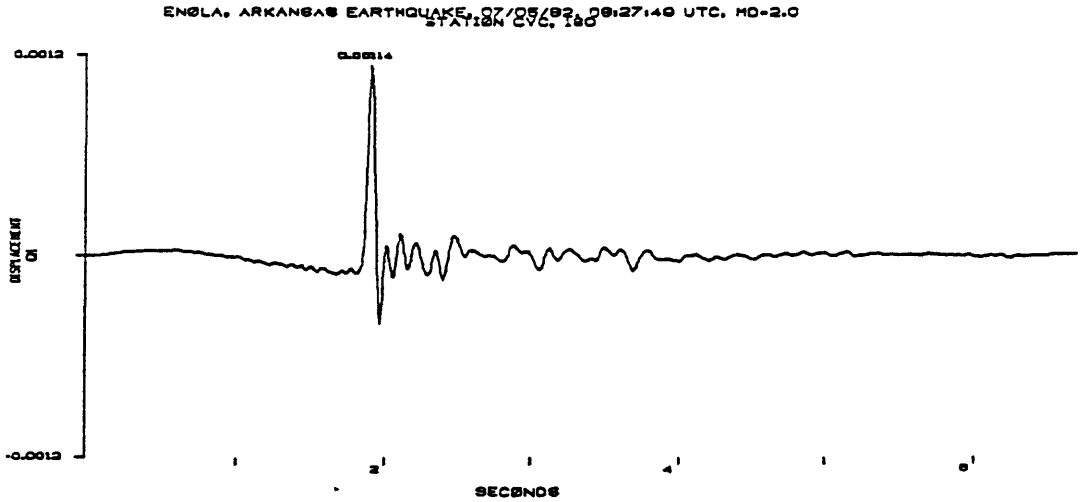

ENOLA, ARKANSAS EARTHQUAKE, 07/05/62, 09:27:49 UTC, MD=2.0
STATION CVC, VERT
0.77
ACCELERATION CM/SEC/SEC
-0.77
SECONDS

ENOLA, ARKANSAS EARTHQUAKE, 07/05/62, 09:27:49 UTC, MD=2.0
STATION CVC, VERT
0.013
VELOCITY CM/SEC
-0.013
SECONDS

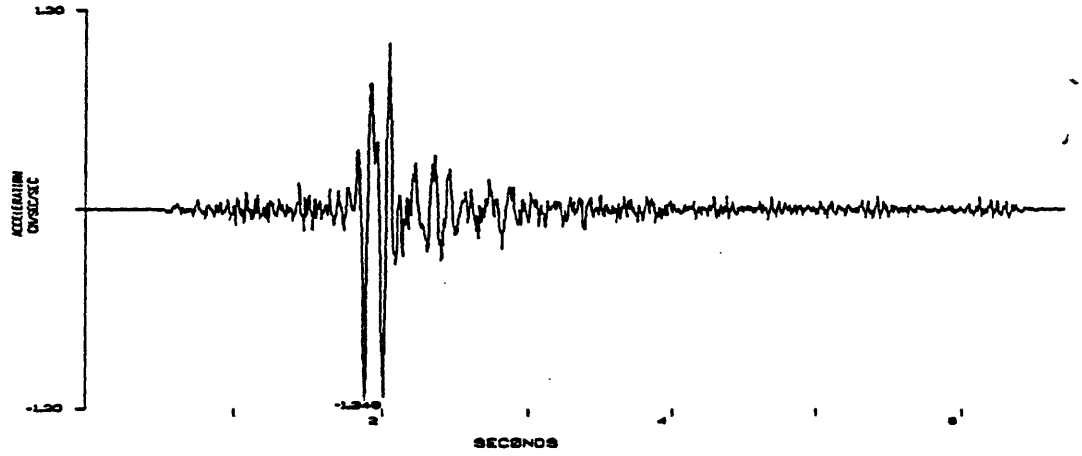

ENOLA, ARKANSAS EARTHQUAKE, 07/05/62, 09:27:49 UTC, MD=2.0
STATION CVC, VERT
0.00022
DISPLACEMENT CM
-0.00022
SECONDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, MD=2.0
STATIØN CVC, 180
3.40
-3.40
ACCELERATIØN CM/SEC/SEC
-2.309
2
4
6
SECØNDS

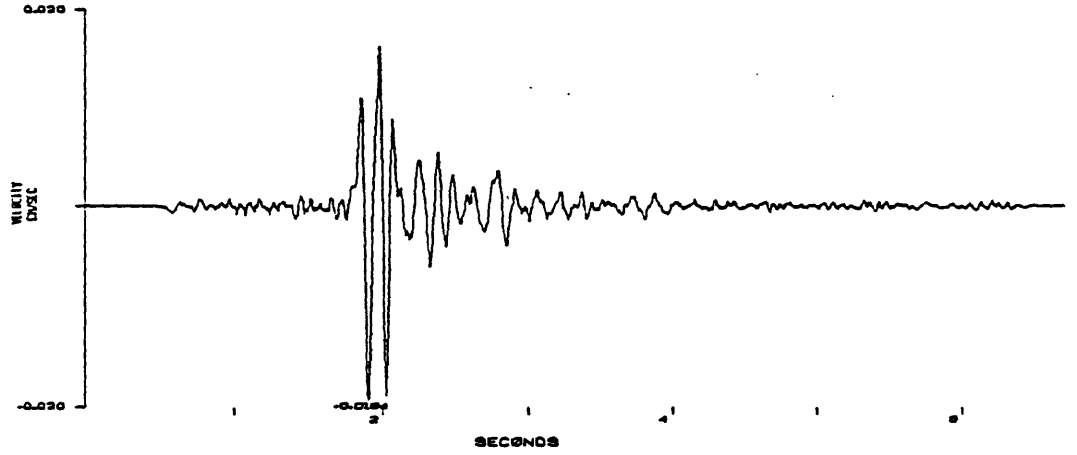

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, MD=2.0
STATIØN CVC, 180
0.044
-0.044
VELOCITY CM/SEC
-0.0437
2
4
6
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, MD=2.0
STATIØN CVC, 180
0.0012
-0.0012
DISPLACEMENT CM
0.00114
2
4
6
SECØNDS

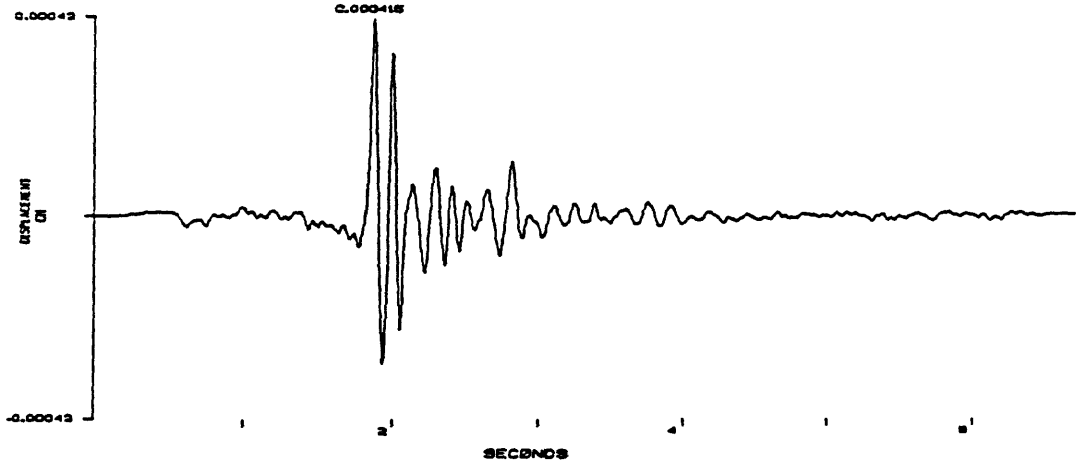
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, MD=2.0
STATION CVC, 00

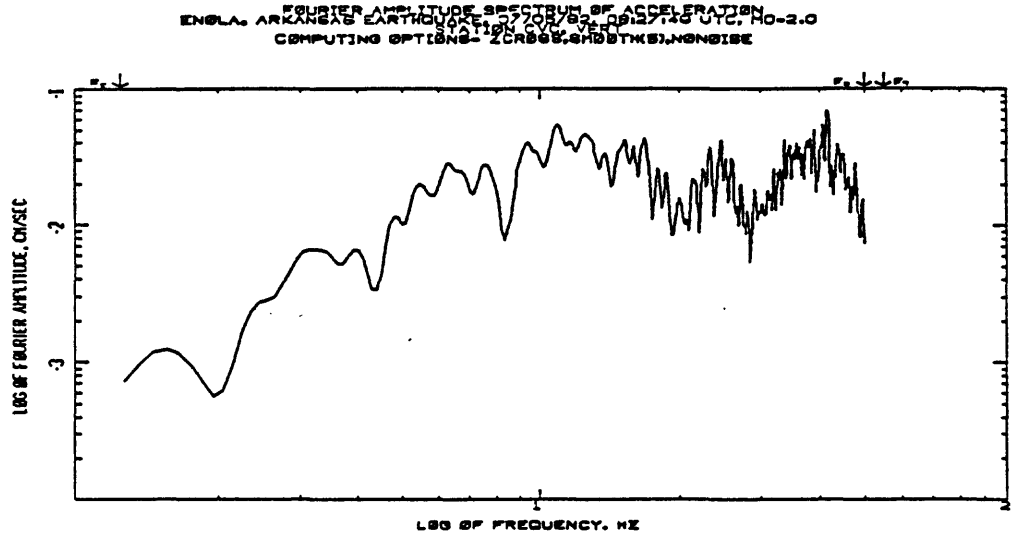


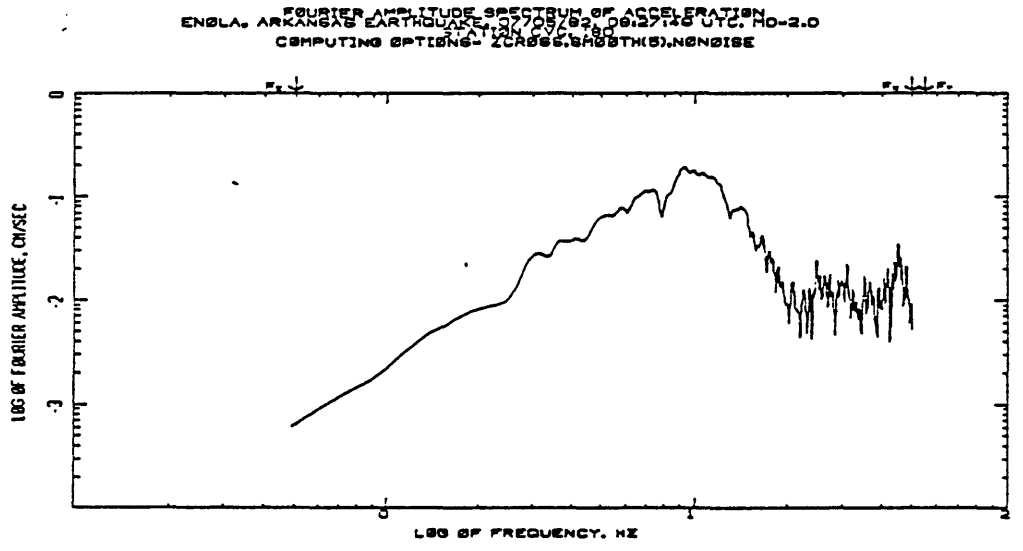
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, MD=2.0
STATION CVC, 00

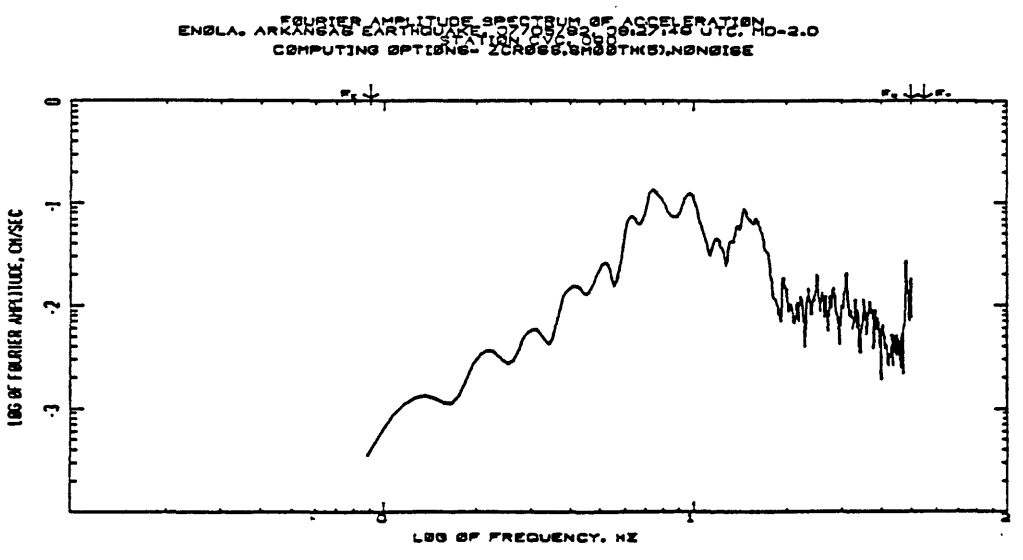


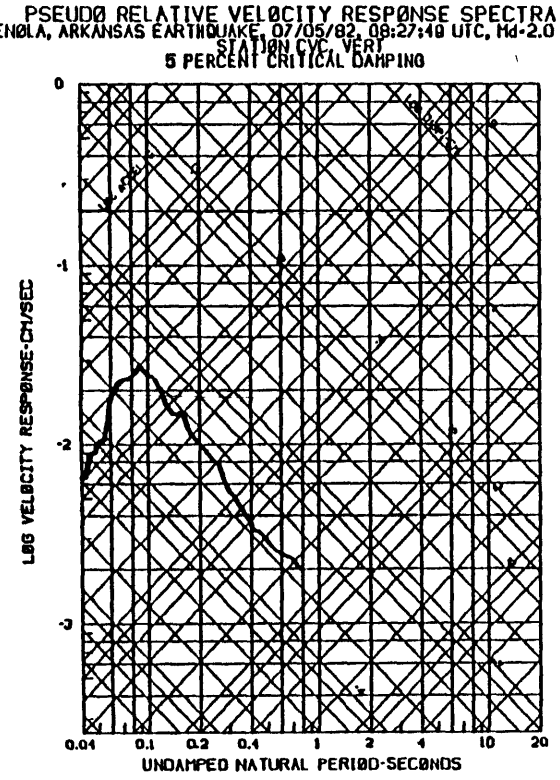
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, MD=2.0
STATION CVC, 00

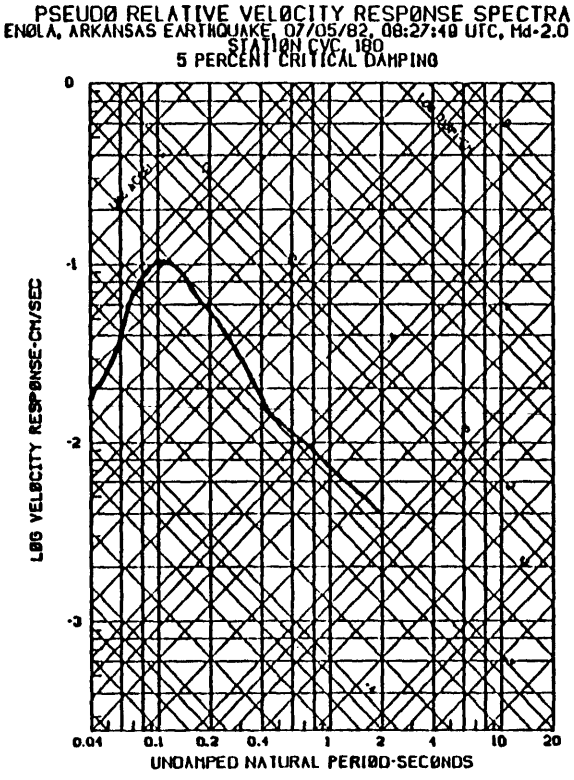


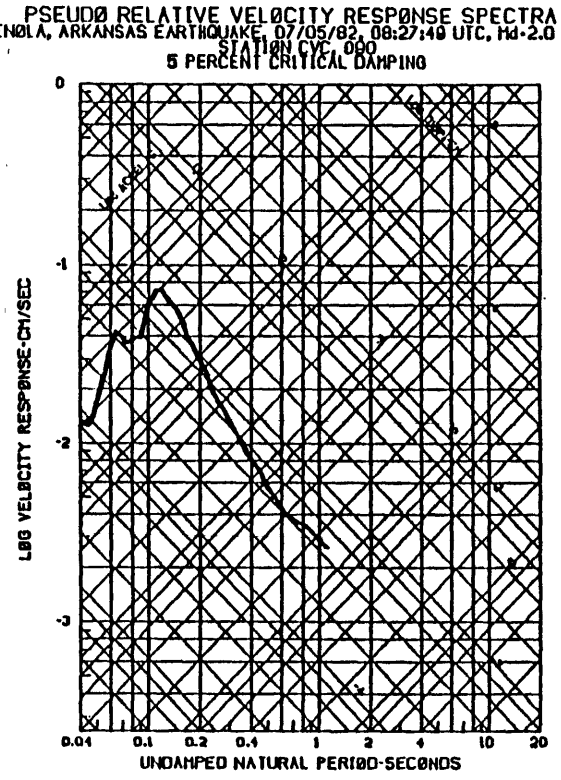

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 27 09 82, 09:27:46 UTC, MO=2.0
STATION CVC, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

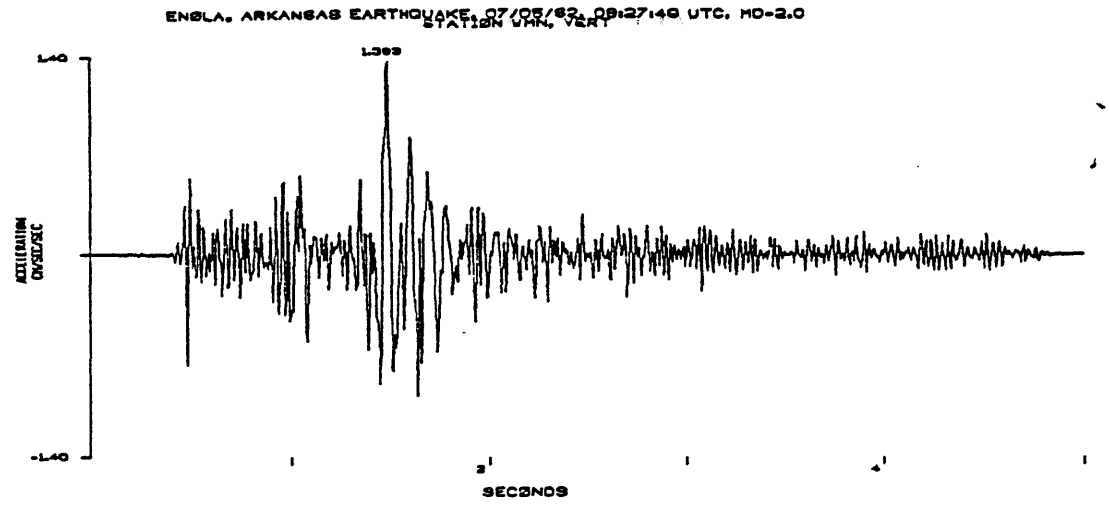

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 27 09 82, 09:27:46 UTC, MO=2.0
STATION CVC, 180
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

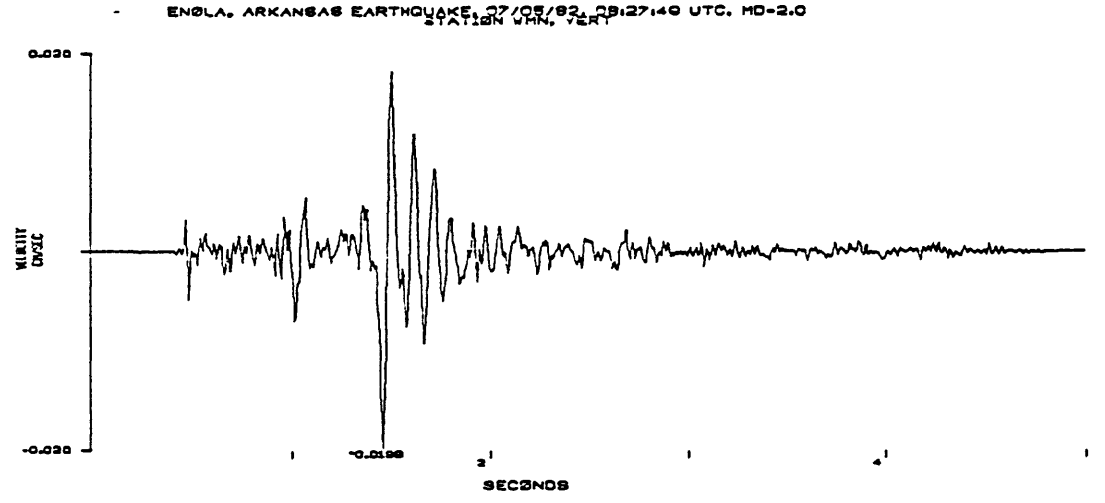

FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 27 09 82, 09:27:46 UTC, MO=2.0
STATION CVC, UP
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
LOG OF FREQUENCY, HZ

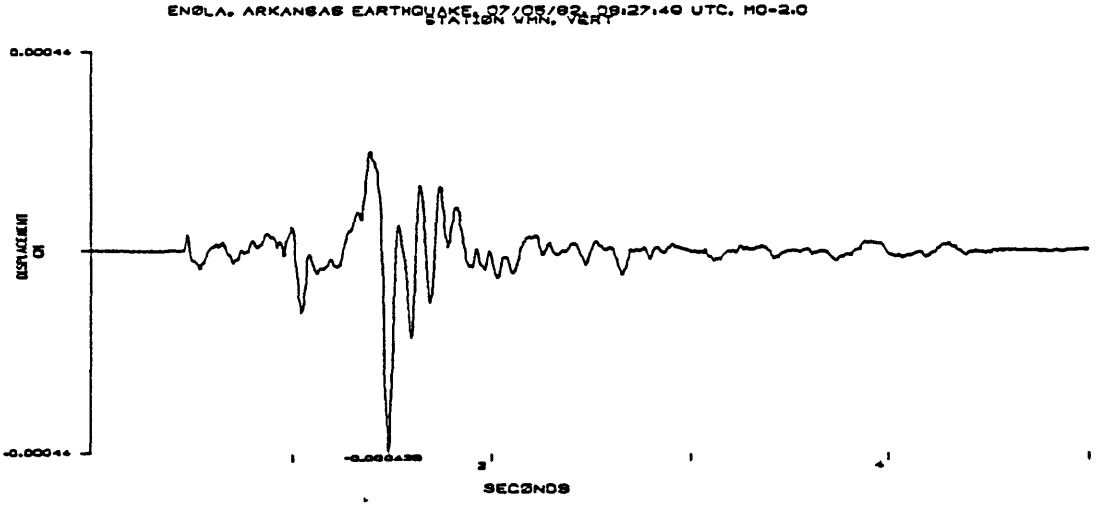

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, Md-2.0
STATIØN CVC, VERT
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

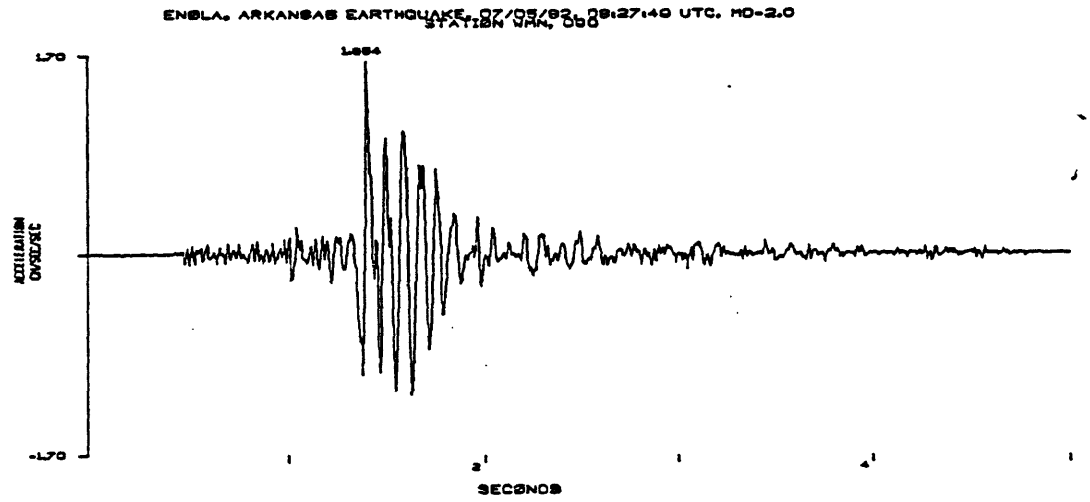

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, Md-2.0
STATIØN CVC, 180
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

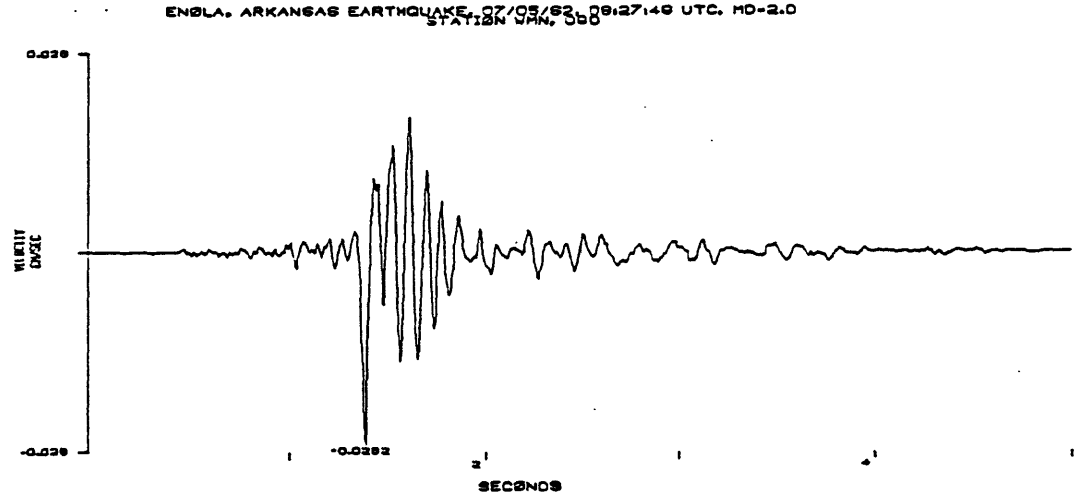

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:40 UTC, Md-2.0
STATIØN CVC, 090
5 PERCENT CRITICAL DAMPING
LØG VELØCITY RESPØNSE-CM/SEC
0
-1
-2
-3
0.04
0.1
0.2
0.4
1
2
4
10
20
UNDAMPED NATURAL PERIØD-SECØNDS

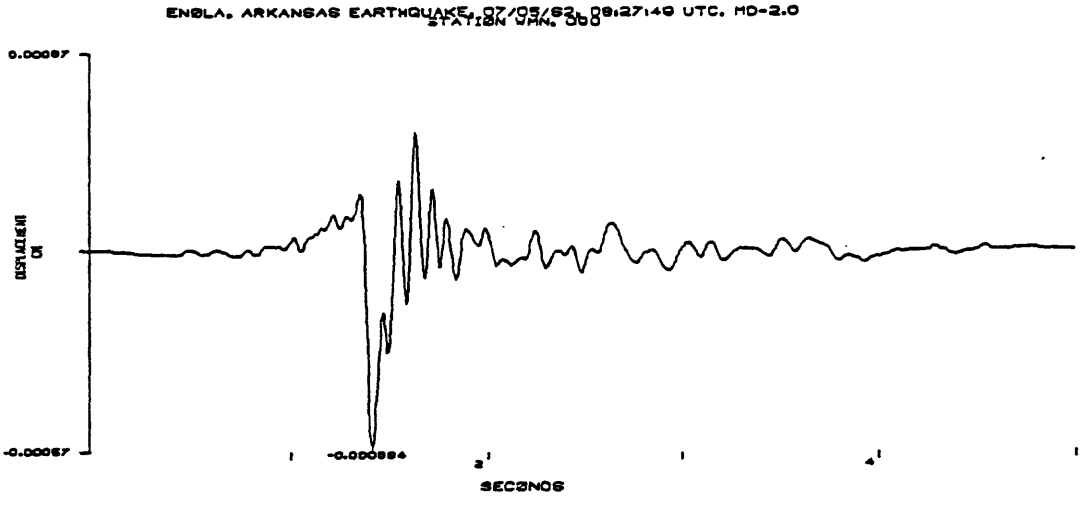

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:40 UTC, MD=2.0
STATION WHN, VERT
1.40
1.303
ACCELERATION CM/SEC/SEC
-1.40
SECØNDS

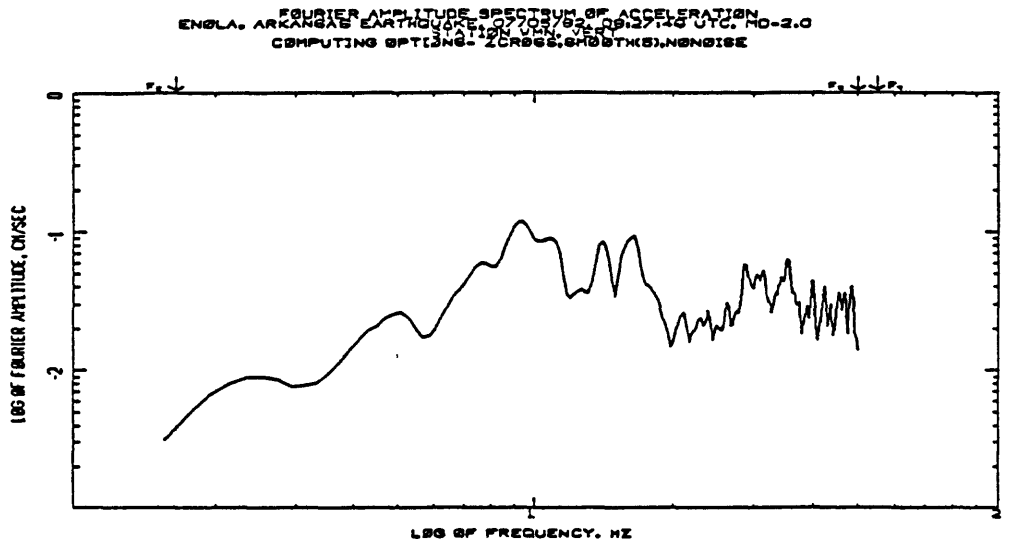

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:40 UTC, MD=2.0
STATION WHN, VERT
0.030
VELOCITY CM/SEC
-0.030
-0.0198
SECØNDS

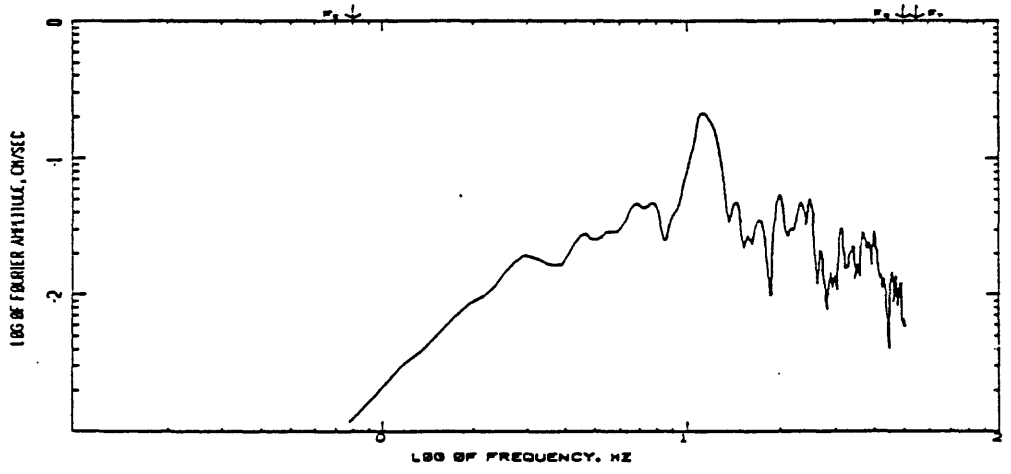

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:40 UTC, MD=2.0
STATION WHN, VERT
0.00044
DISPLACEMENT CM
-0.00044
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:49 UTC, MD-2.0
STATIØN WMN, DBO
1.70
-1.70
SECØNDS

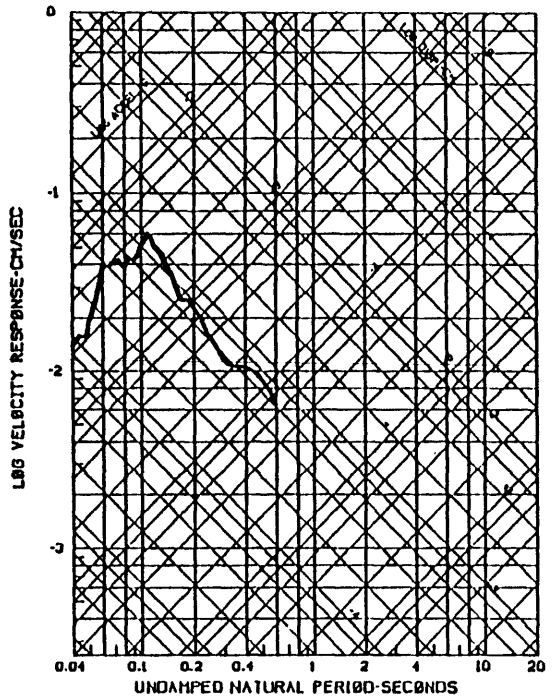
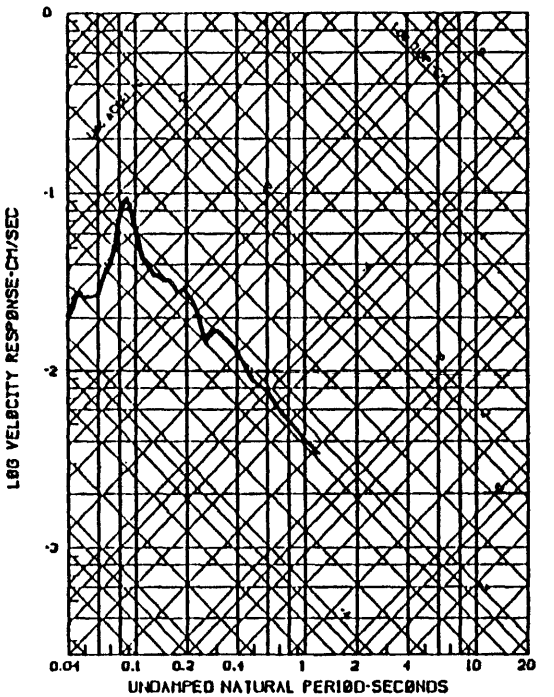

ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:49 UTC, MD-2.0
STATIØN WMN, DBO
0.028
-0.028
-0.0282
SECØNDS


ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:49 UTC, MD-2.0
STATIØN WMN, DBO
0.00087
-0.00067
-0.000884
SECØNDS


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:46 UTC, MO=2.0
STATION VHN, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
-2
1
LOG OF FREQUENCY, HZ


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ENOLA, ARKANSAS EARTHQUAKE, 07/05/82, 09:27:46 UTC, MO=2.0
STATION VHN, VERT
COMPUTING OPTIONS- ZCROSS,SMOOTH(5),NONOISE
LOG OF FOURIER AMPLITUDE, CM/SEC
0
-1
-2
0
1
LOG OF FREQUENCY, HZ

PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:49 UTC, Md=2.0
STATIØN VMN, VERT
5 PERCENT CRITICAL DAMPING



PSEUDØ RELATIVE VELØCITY RESPØNSE SPECTRA
ENØLA, ARKANSAS EARTHQUAKE, 07/05/82, 08:27:49 UTC, Md=2.0
STATIØN VMN, 090
5 PERCENT CRITICAL DAMPING