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no. 84-498B

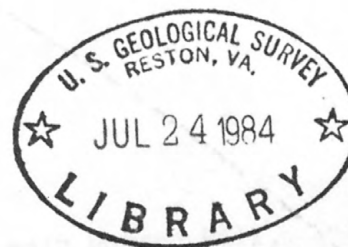
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



THE MORGAN HILL, CALIFORNIA
EARTHQUAKE OF APRIL 24, 1984
(A PRELIMINARY REPORT)

Open-file report
Geological Survey
(U.S.)

VOLUME II



Compiled by

Seena N. Hoose

Twanal

Open-File Report 84-498 B

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354623

Morgan Hill, California, Earthquake of April 24, 1984

Volume II

Computer plots of strong-motion results from the main Morgan Hill, California earthquake of April 24, 1984

A. G. Brady, R. L. Porcella, G. N. Bycroft, E. C. Etheredge
P. N. Mork, B. Silverstein, and A. F. Shakal

Bound by RLB/Brady

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Morgan Hill, California, Earthquake of April 24, 1984

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* Processing stages and plot format:

1. Uncorrected accelerogram.
2. Corrected acceleration, velocity, displacement.
3. Relative velocity response spectrum, linear plot.
4. Response spectrum, tripartite log plot.
5. Fourier amplitude spectrum, linear plot.
6. Fourier spectrum, log-log plot.

Note: In column 1 each plot contains all three components.
In columns 2 through 6, the indicated page number refers
to the first of the three components for this record.

Introduction

The computer plots included in this volume have been prepared to accompany the article in Volume I titled "Strong-Motion Results from the Main Shock of April 24, 1984." The plots serve two functions. First, to provide a visual description of the recorded accelerations and their processed results in order that a selection can be made of specific records that can be further studied using the available digital data, and second, to provide plots from which specific earthquake or record parameters can be read, measured, or scaled directly.

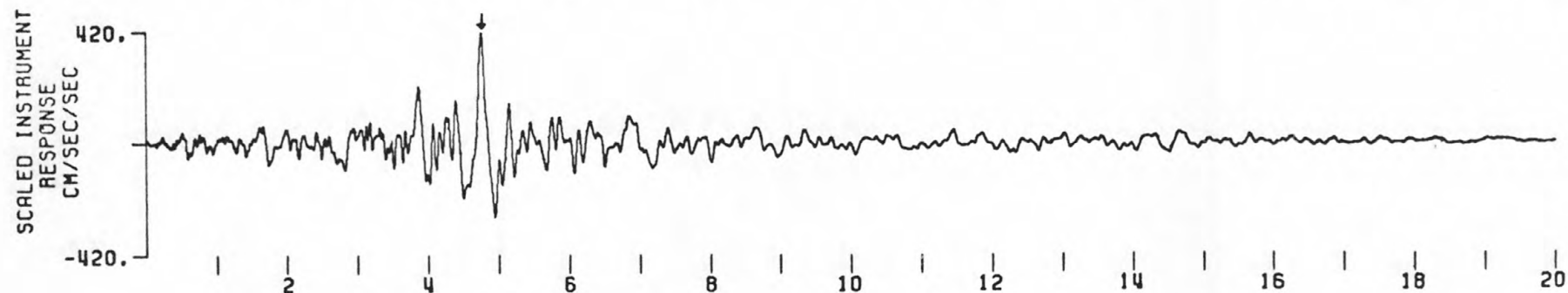
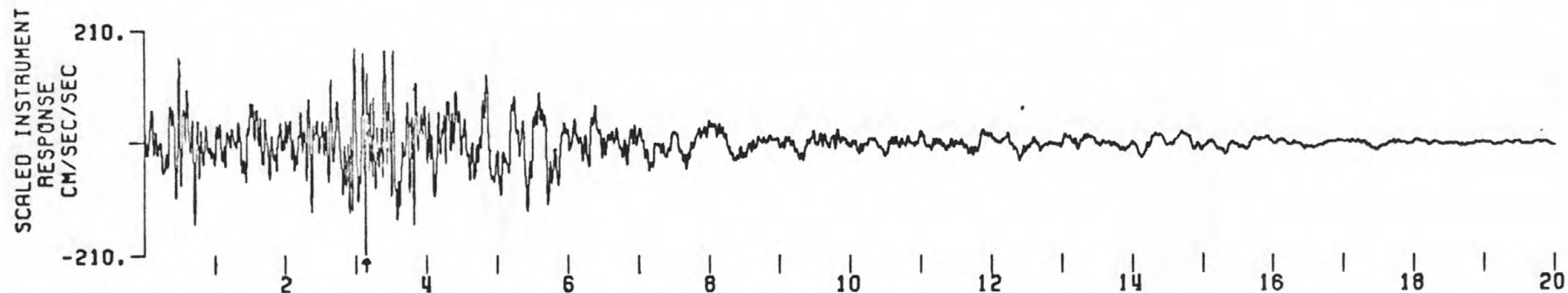
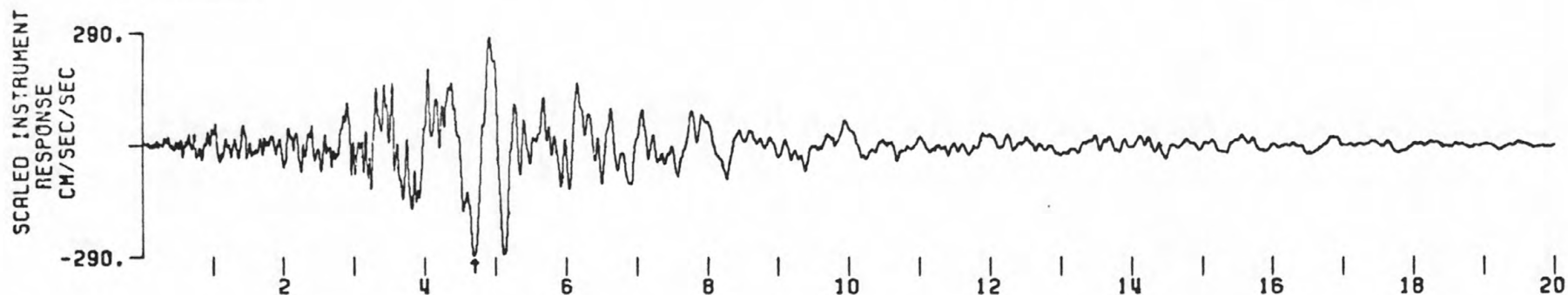
The processing steps which produce the plots are briefly described as follows:

1. Digitizing of the film records at a commercial digitizing firm (IOM TOWILL in Santa Clara, California) on a trace-following, computer-controlled laser scanner. Unequal time spacing, at an average of 600 samples per second, is used.
2. Reassembling the separately-digitized, 10-s frames together, using specially inserted vertical lines; each vertical line is digitized twice, once in each adjacent frame.
3. Preparation of UNCORRECTED DATA by subtracting out the reference traces, using the time marks for the X-coordinates, and subtracting the average value.
4. The data from both film and digital recordings are passed through a correction algorithm that applies a high frequency filter (50 Hz), instrument corrections, and decimation to 200 sps. A low-frequency high-pass Butterworth filter (0.25 Hz order 8) removes all periods longer than 4 s from the data. Plots of the CORRECTED ACCELERATION, VELOCITY, and DISPLACEMENTS for the three components of each recording are included.
5. RESPONSE SPECTRA are calculated for oscillator periods up to 4 s. This volume contains the linear plots of RELATIVE VELOCITY RESPONSE SPECTRA, and the log-log TRIPARTITE plots of pseudo-velocity response.
6. FOURIER AMPLITUDE SPECTRA, calculated by FFT, are presented on linear axes and log-log axes.

All the computer plots were prepared before the name of the earthquake was finally decided. For Mt. Hamilton Earthquake, read Morgan Hill, California, Earthquake.

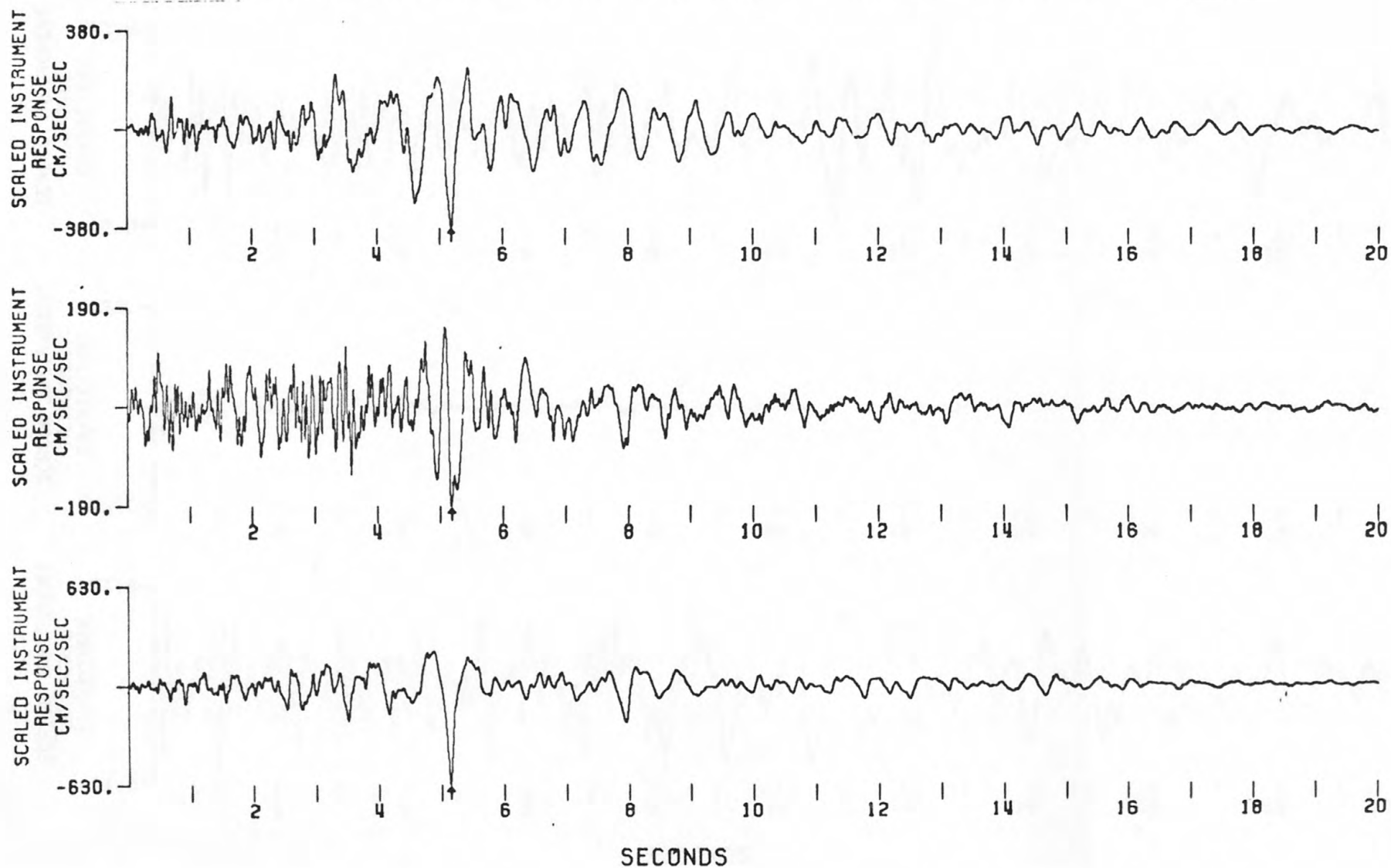
The digital data from which these plots are produced are available on tape from NGDC, NOAA, Mail Stop E/GC11, 325 Broadway, Boulder, Colorado 80303.

UNCORRECTED ACCELEROGRAM
 ANDERSON DAM - DOWNSTREAM
 340 DEGREES, UP, 250 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 PEAK VALUES (CM/SEC/SEC): -285.95 -209.65 415.79

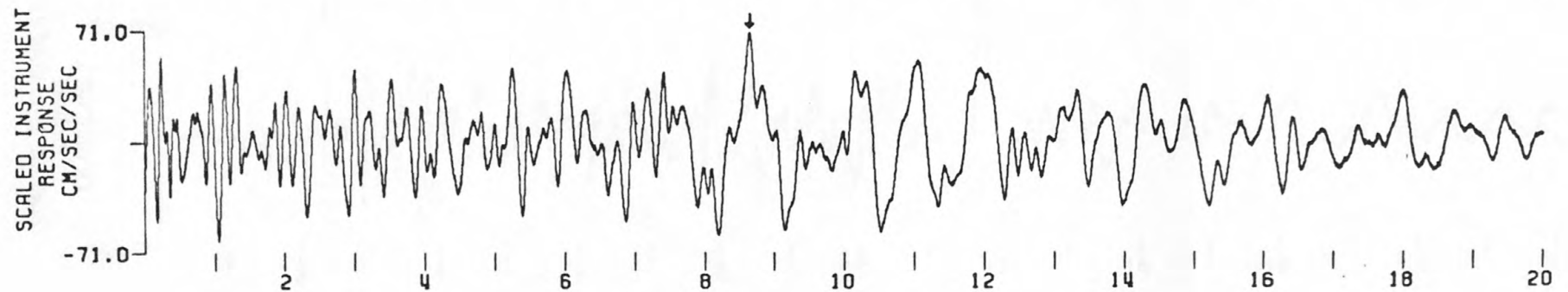
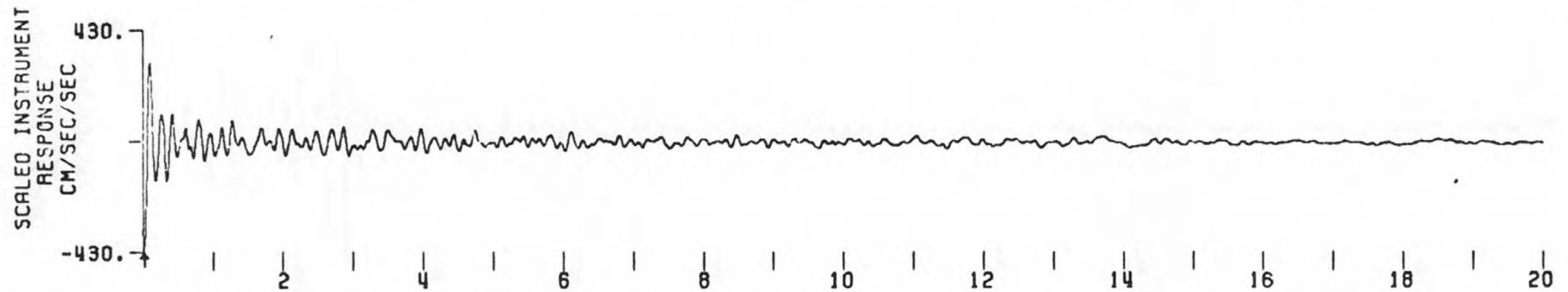
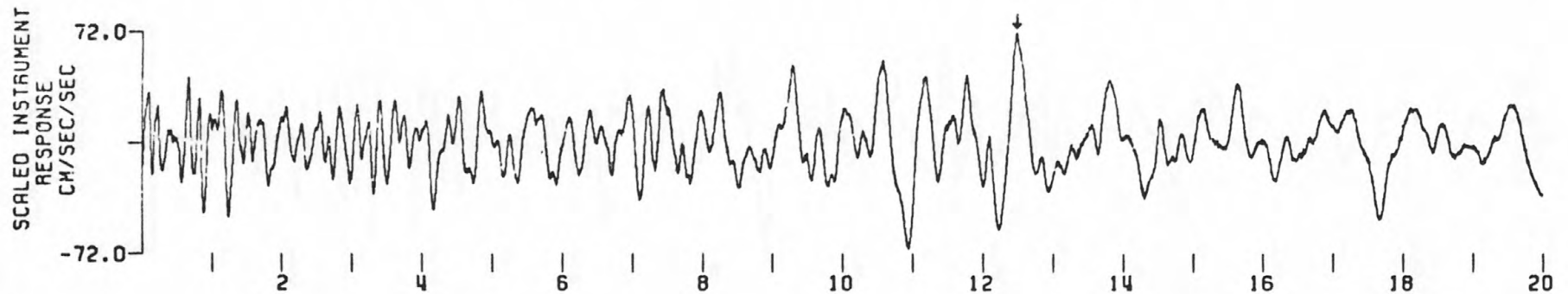


SECONDS

UNCORRECTED ACCELEROGRAM
ANDERSON DAM - CREST
340 DEGREES, UP, 250 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
PEAK VALUES (CM/SEC/SEC): -371.53 -169.09 -627.00

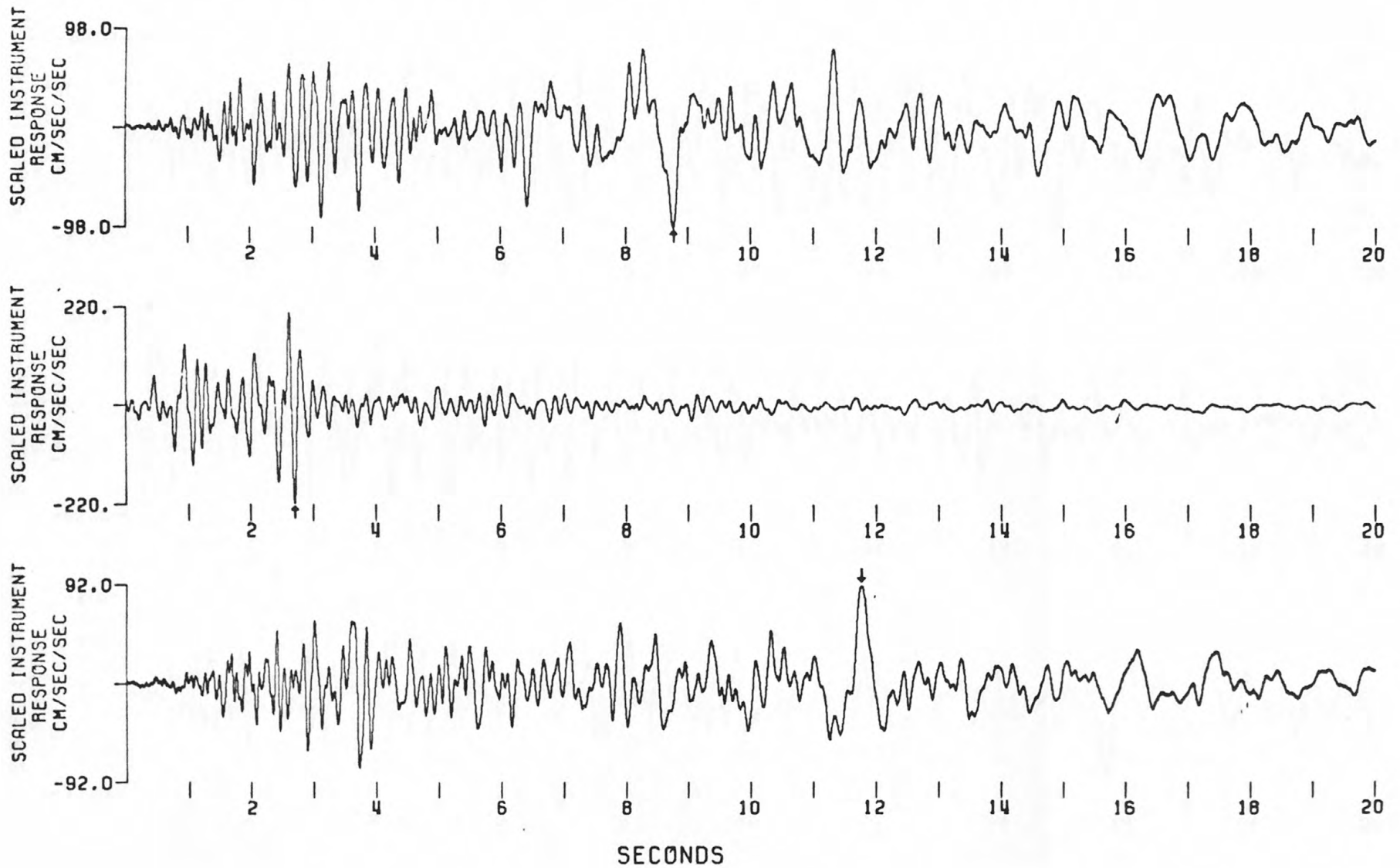


UNCORRECTED ACCELEROGRAM
 HOLLISTER CITY HALL ANNEX - BASEMENT
 001 DEGREES, UP, 271 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 PEAK VALUES (CM/SEC/SEC): 71.26 -424.41 70.26

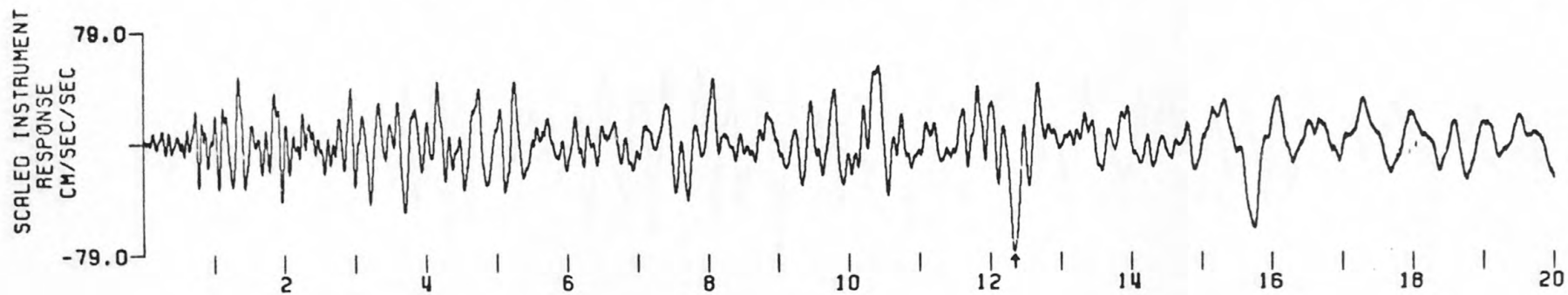
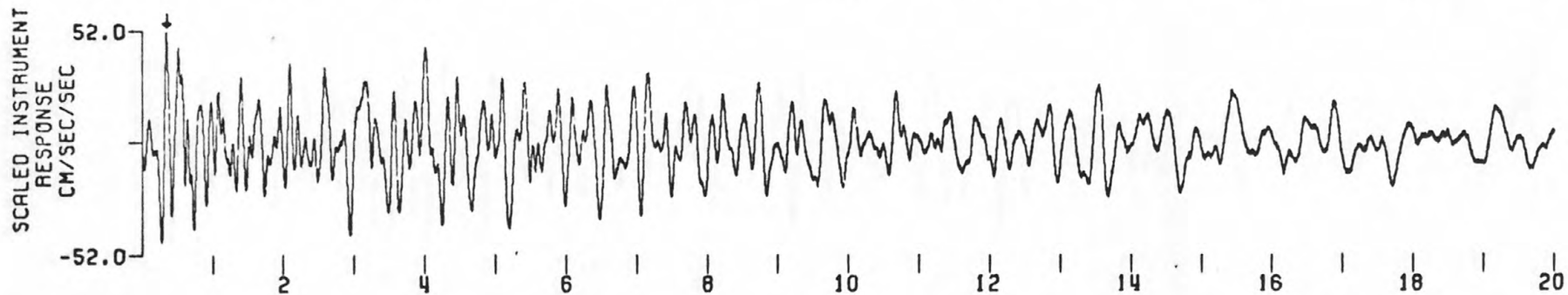
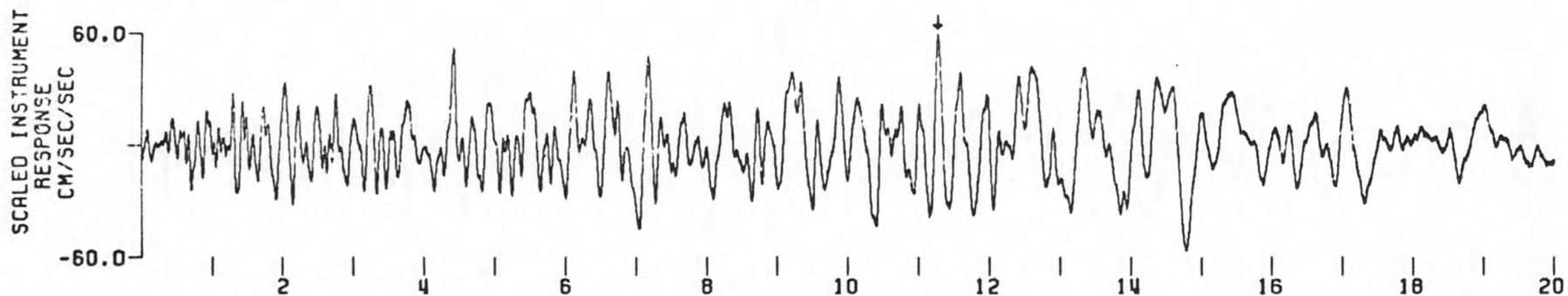


SECONDS

UNCORRECTED ACCELEROGRAM
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T)
 255 DEGREES, UP, 165 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 PEAK VALUES (CM/SEC/SEC): -97.62 -217.78 91.78

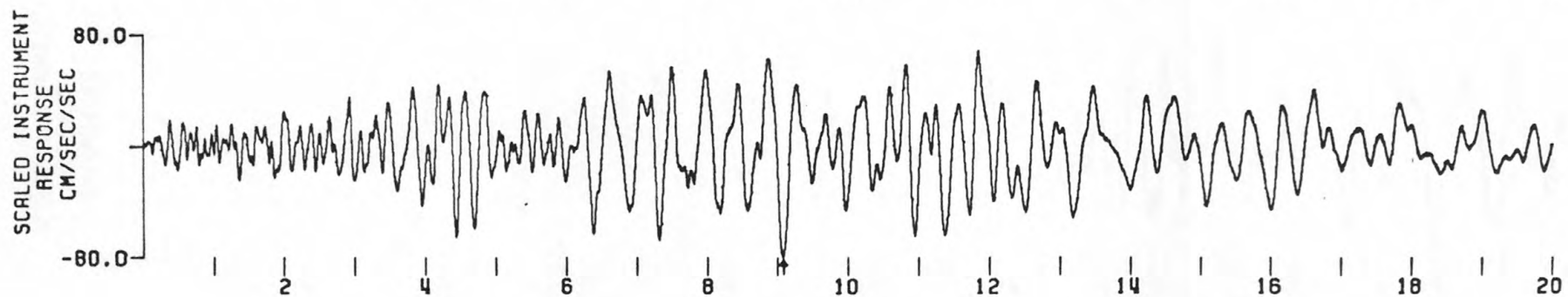
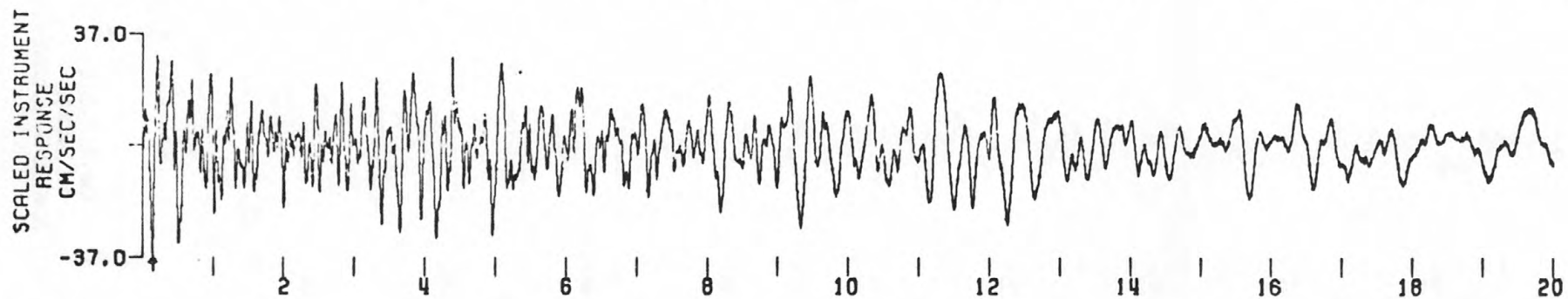
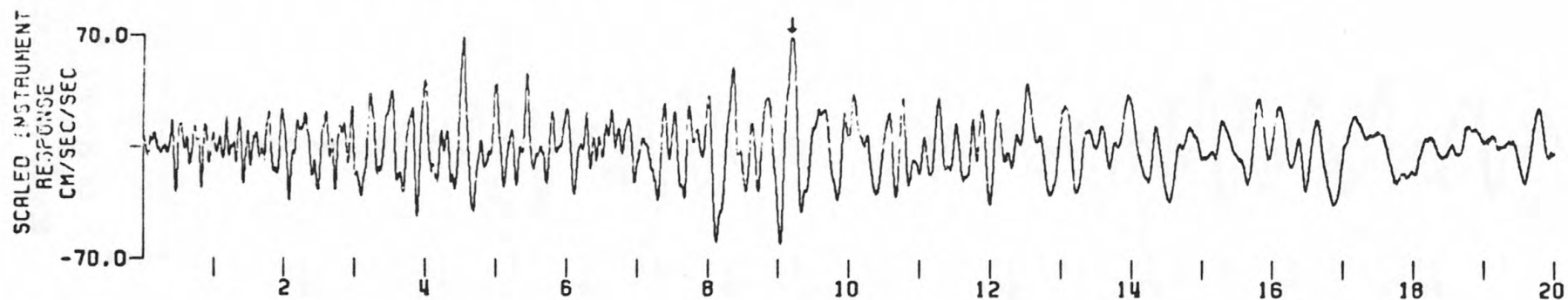


UNCORRECTED ACCELEROGRAM
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE)
 360 DEGREES, UP, 270 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 PEAK VALUES (CM/SEC/SEC): 59.63 51.63 -78.03



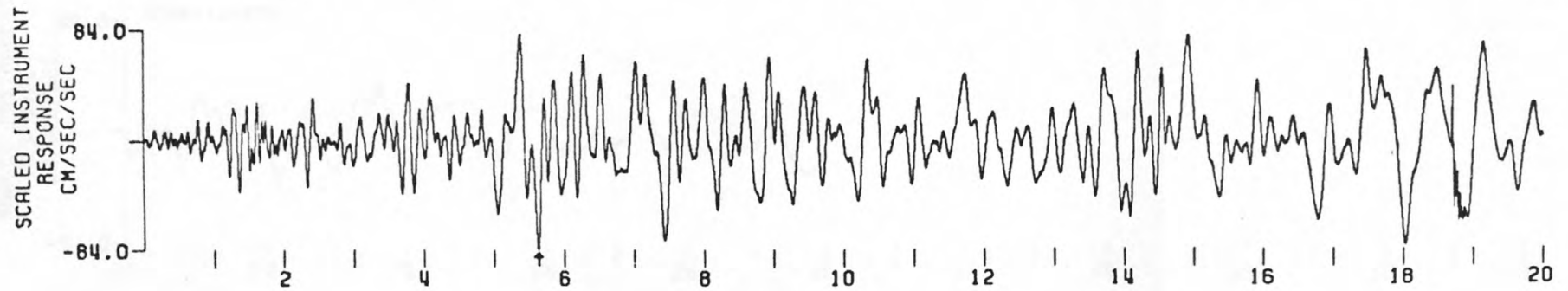
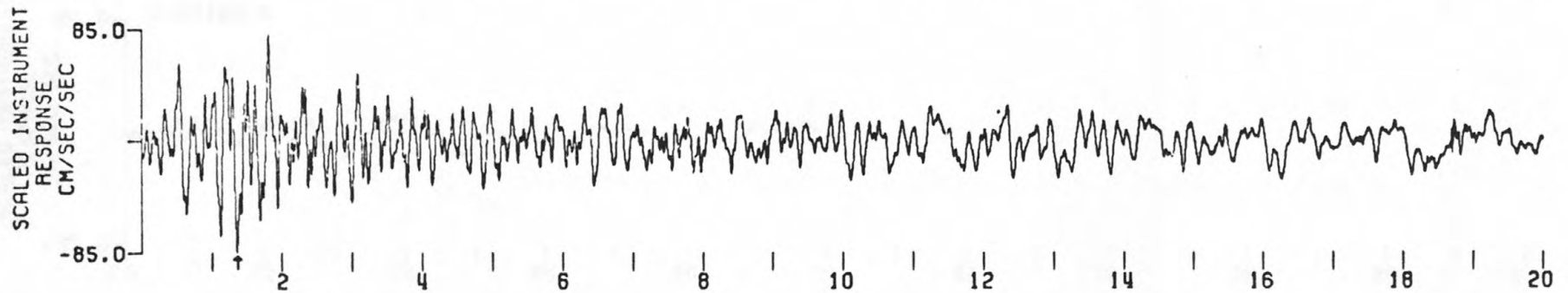
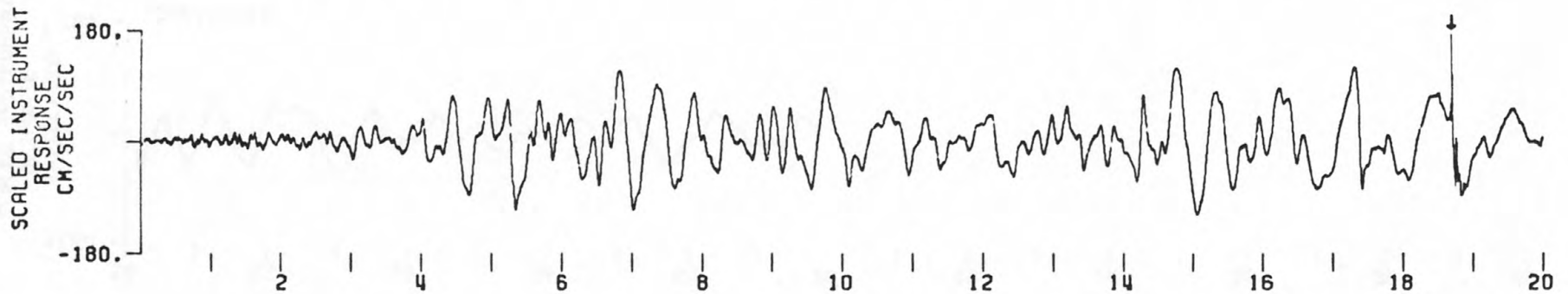
SECONDS

UNCORRECTED ACCELEROGRAM
SAN JUSTO DAMSITE - LEFT ABUTMENT
360 DEGREES, UP, 270 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
PEAK VALUES (CM/SEC/SEC): 69.38 -36.28 -79.71



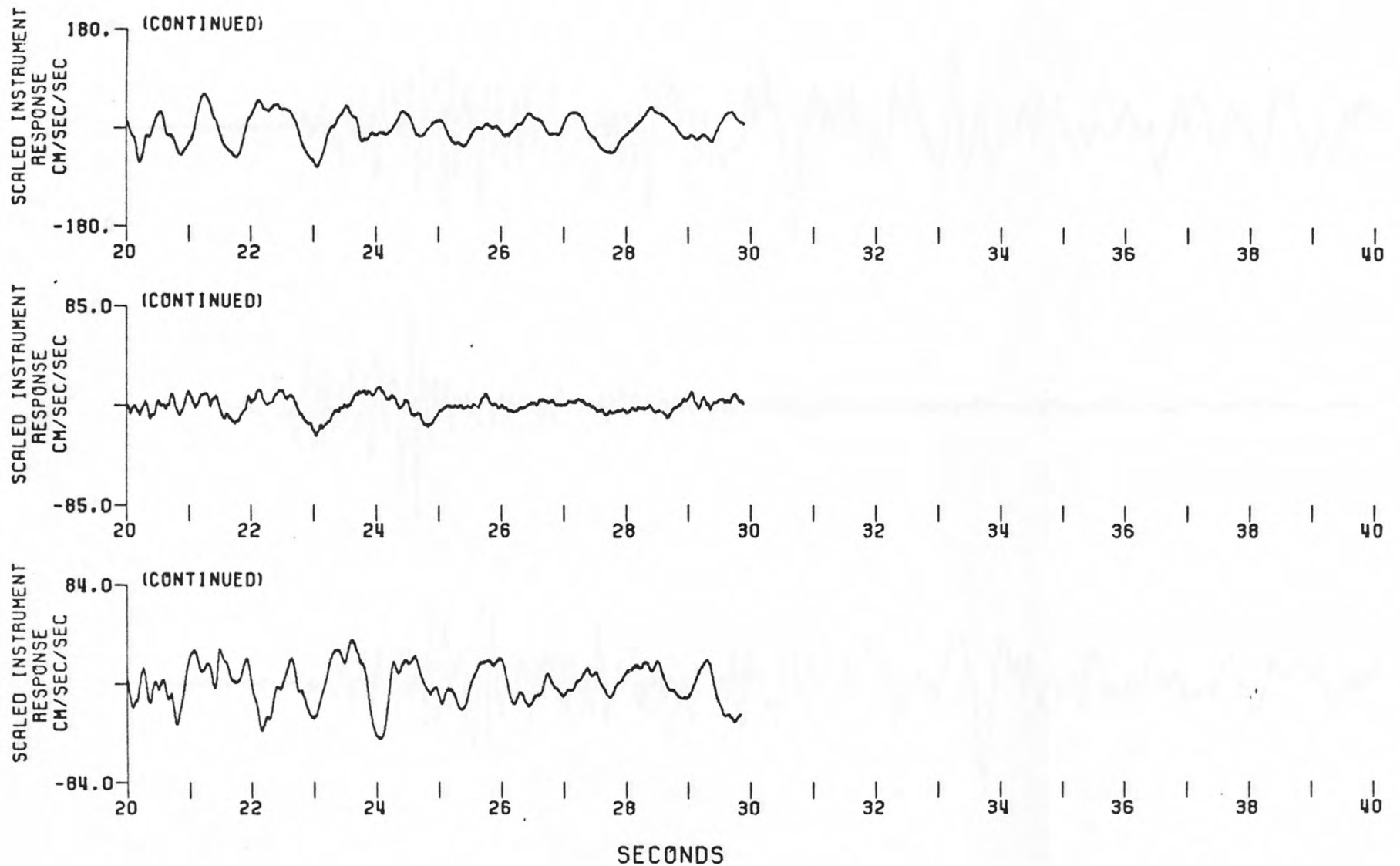
SECONDS

UNCORRECTED ACCELEROGRAM
 SAN JOSE 101/280/680 FWY INTERCHANGE
 322 DEGREES, UP, 232 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 PEAK VALUES (CM/SEC/SEC): 173.06 -84.77 -83.82



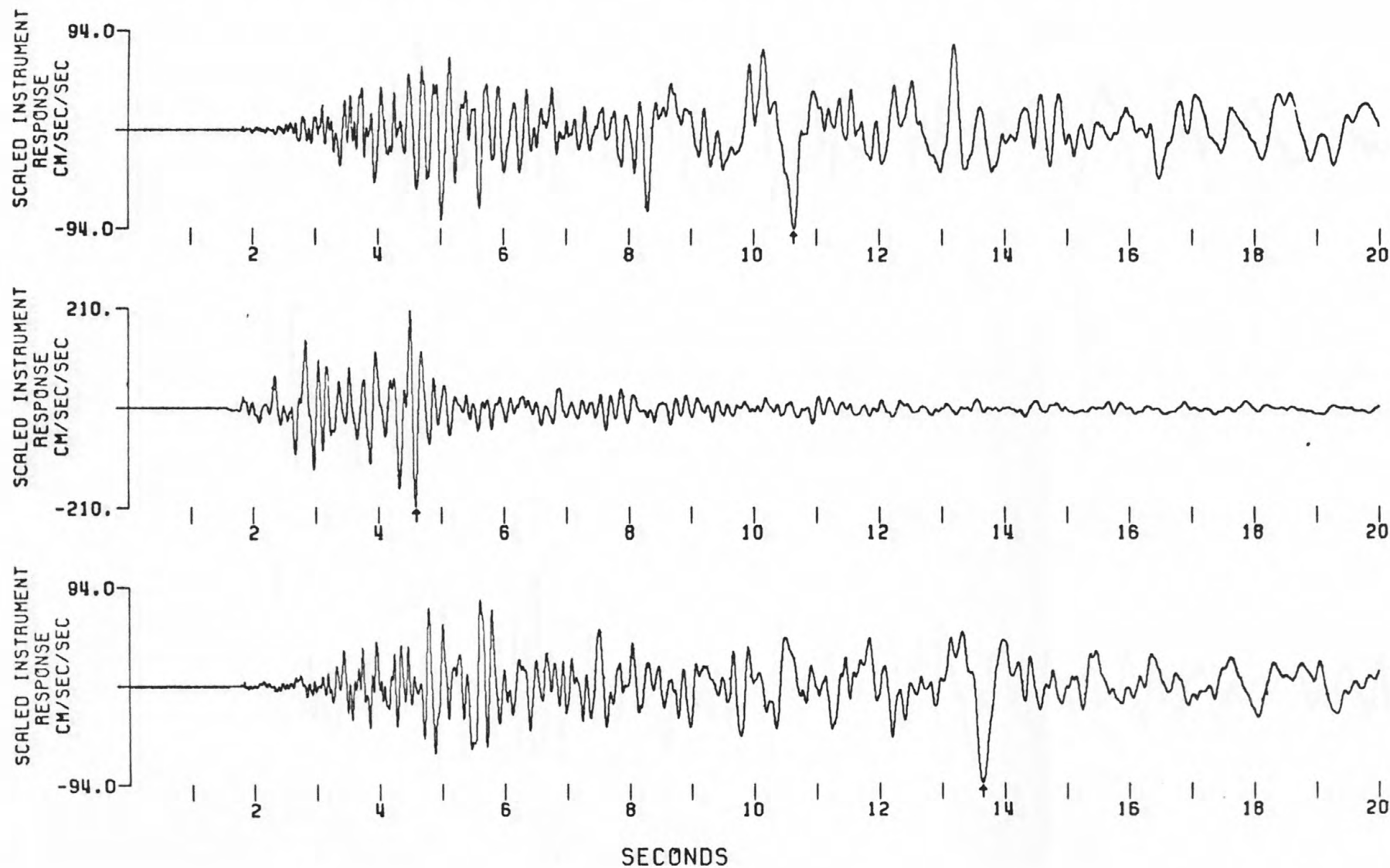
SECONDS

UNCORRECTED ACCELEROGRAM
 SAN JOSE 101/280/680 FWY INTERCHANGE
 322 DEGREES, UP, 232 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 PEAK VALUES (CM/SEC/SEC): 173.06 -84.77 -83.82



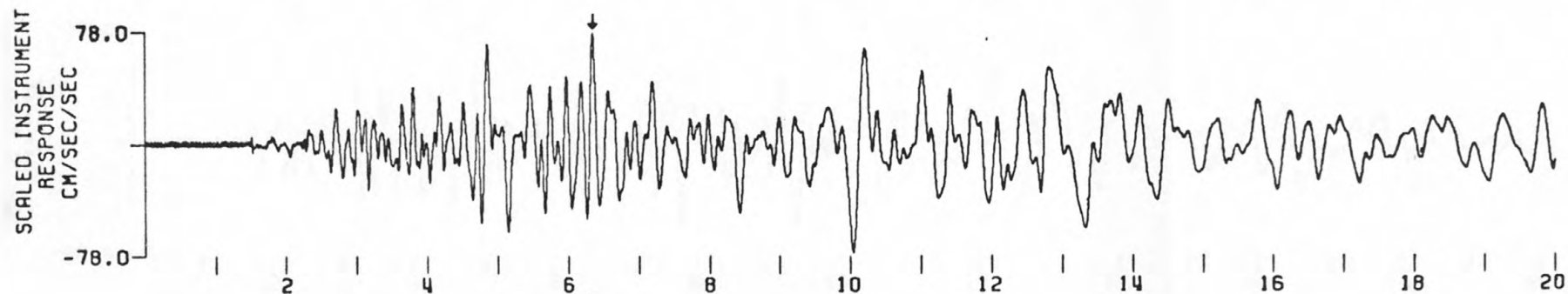
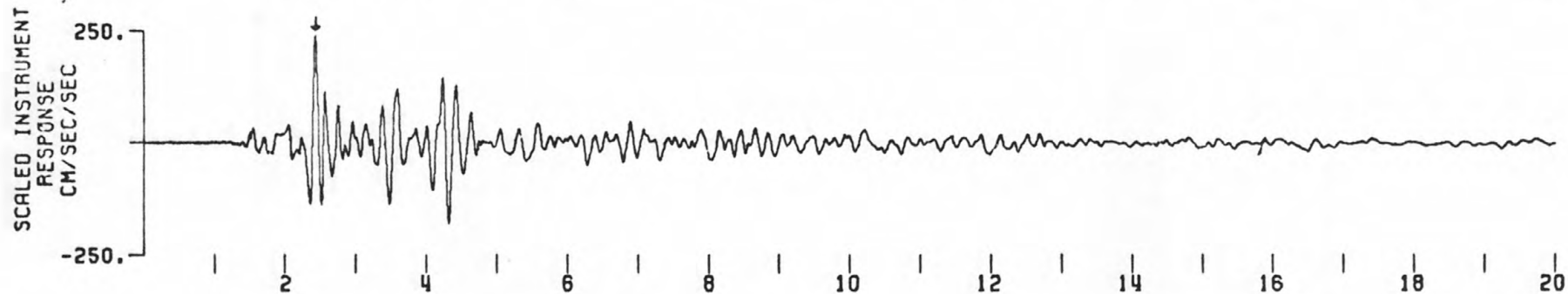
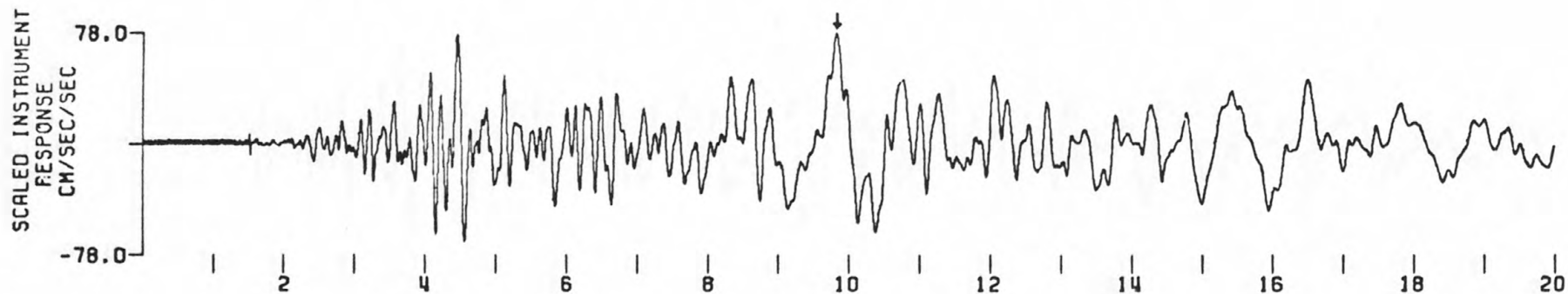
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 PEAK VALUES (CM/SEC/SEC): -93.50 -209.34 -93.48

10



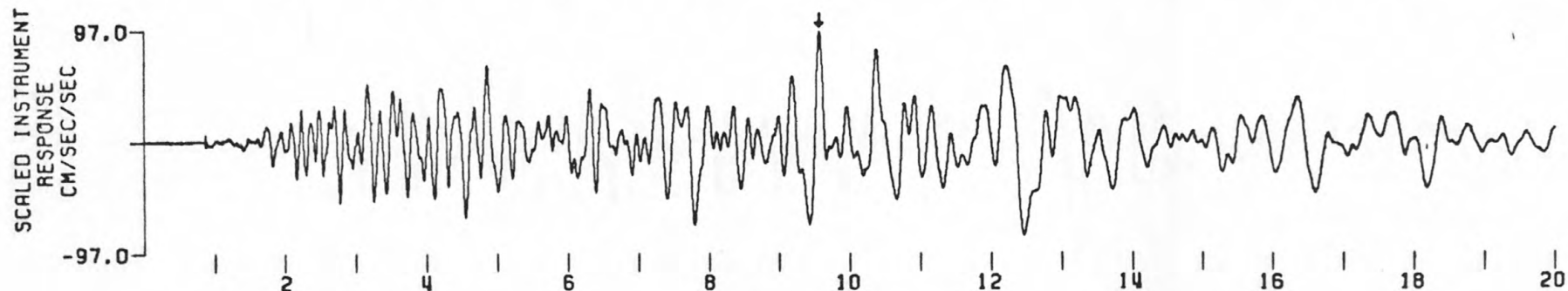
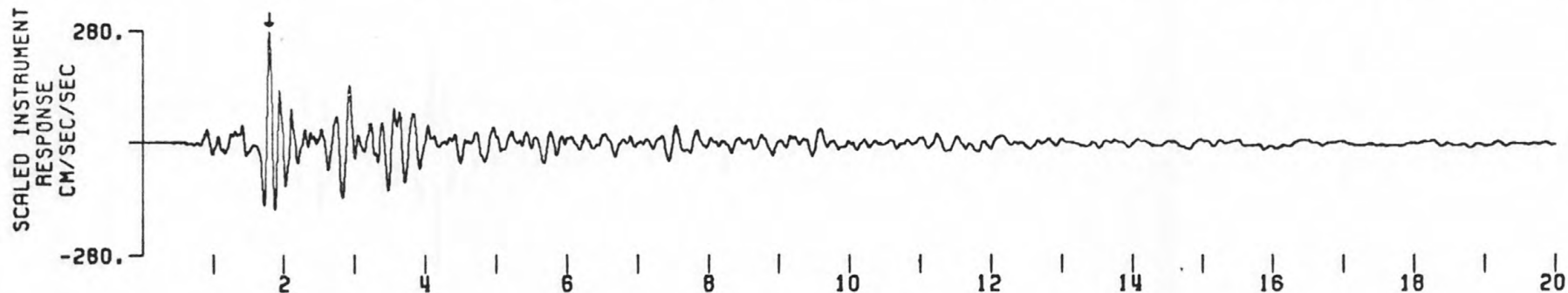
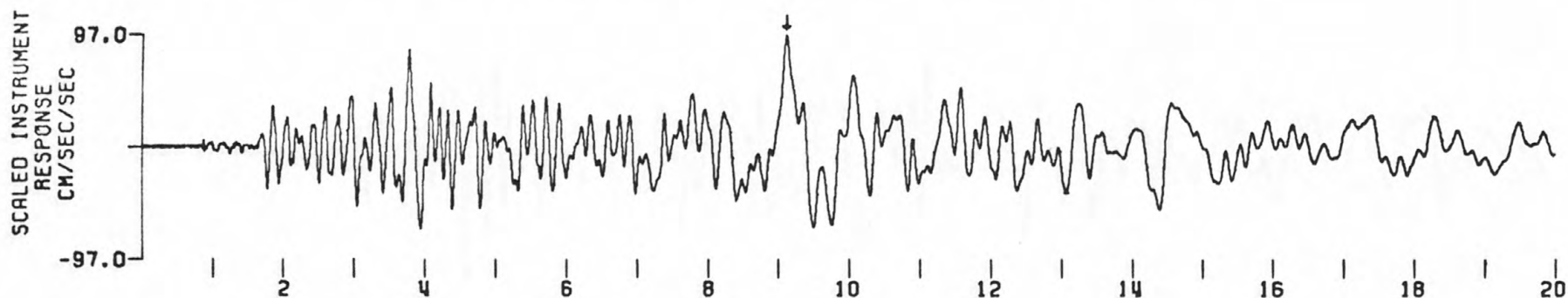
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 EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
 PEAK VALUES (CM/SEC/SEC): 77.79 240.24 77.68

11



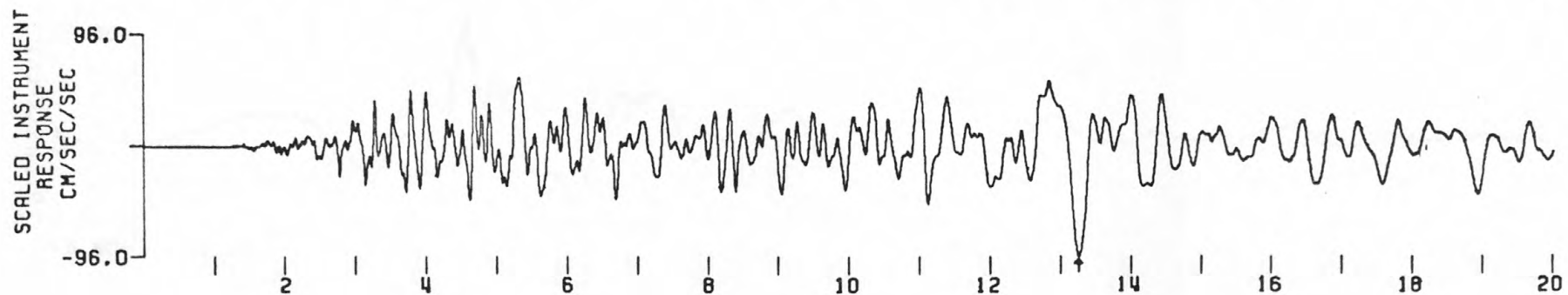
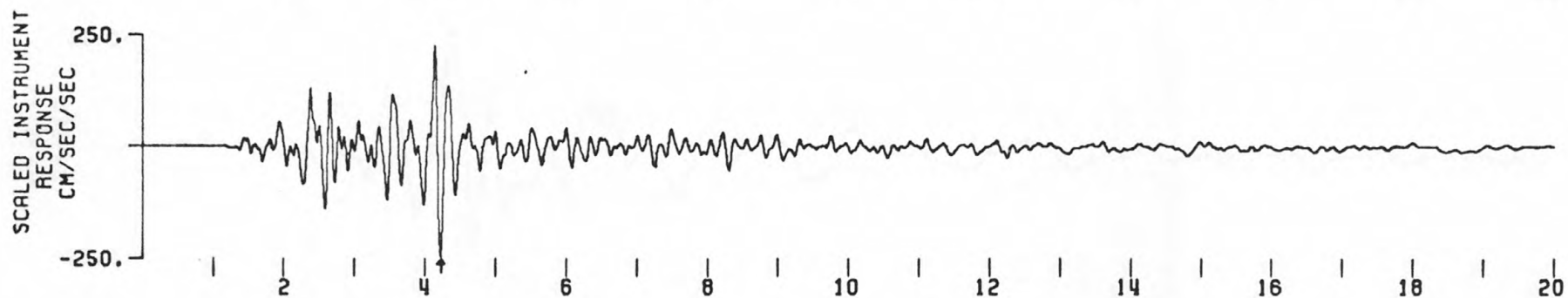
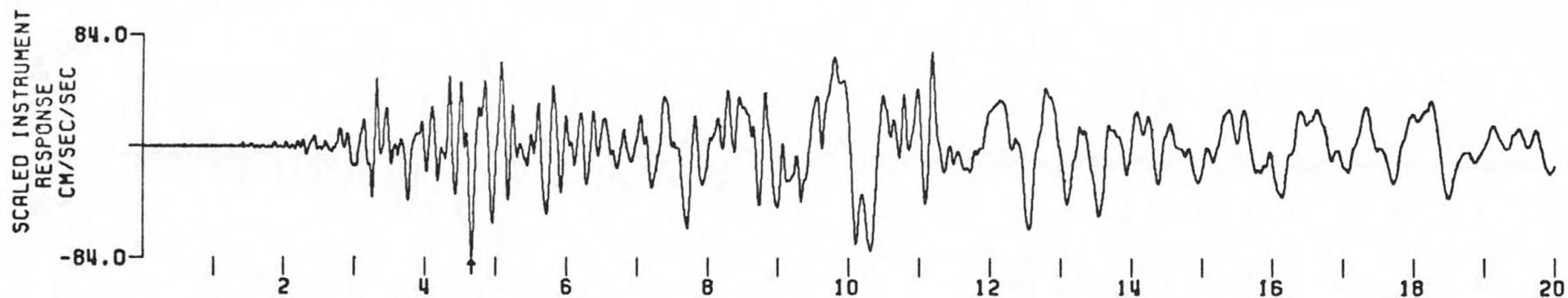
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UNCORRECTED ACCELEROGRAM
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 PEAK VALUES (CM/SEC/SEC): 96.88 278.54 96.48



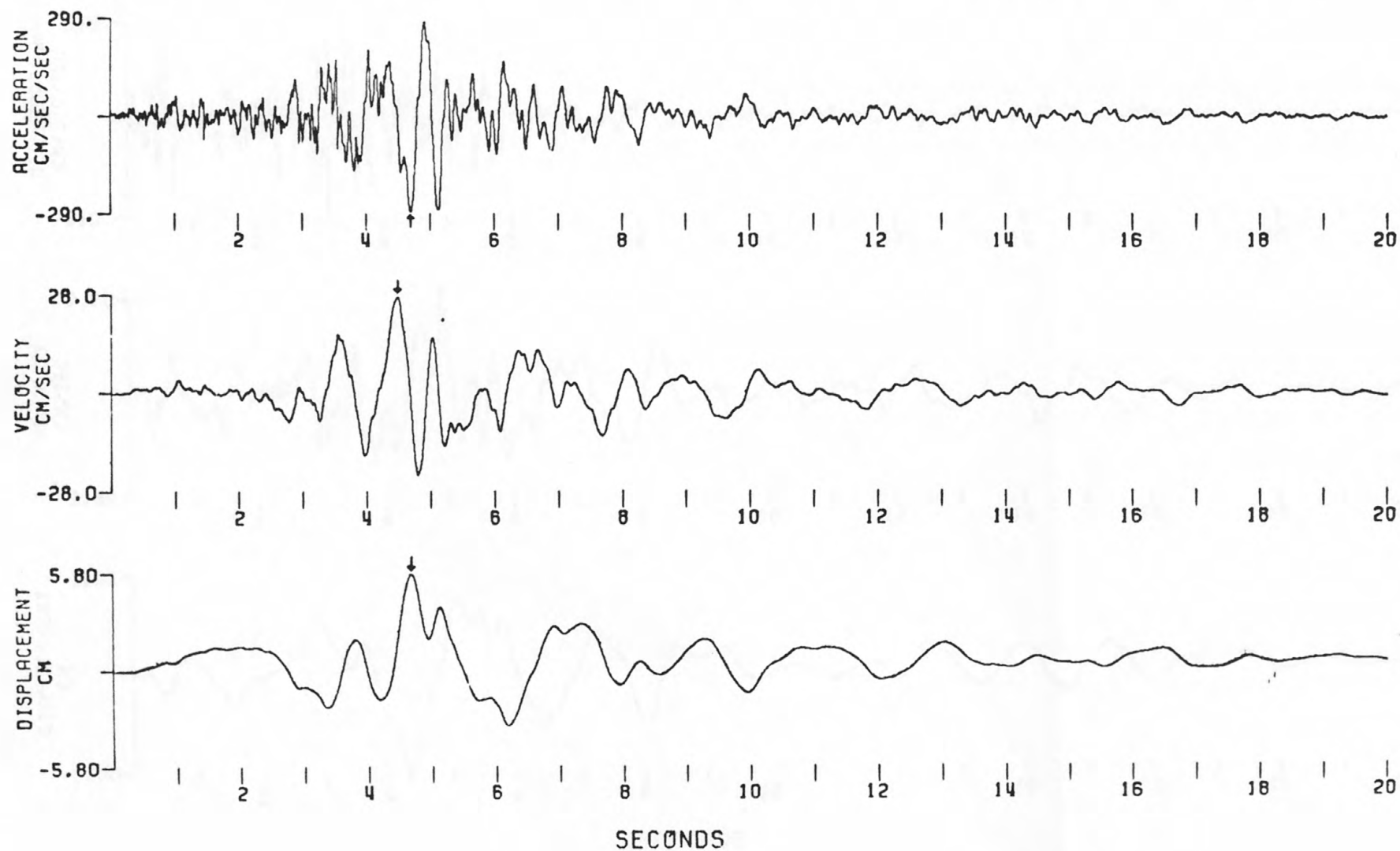
SECONDS

UNCORRECTED ACCELEROGRAM
 HOLLISTER, DIFFERENTIAL ARRAY NO 5
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 PEAK VALUES (CM/SEC/SEC): -83.42 -246.01 -95.85

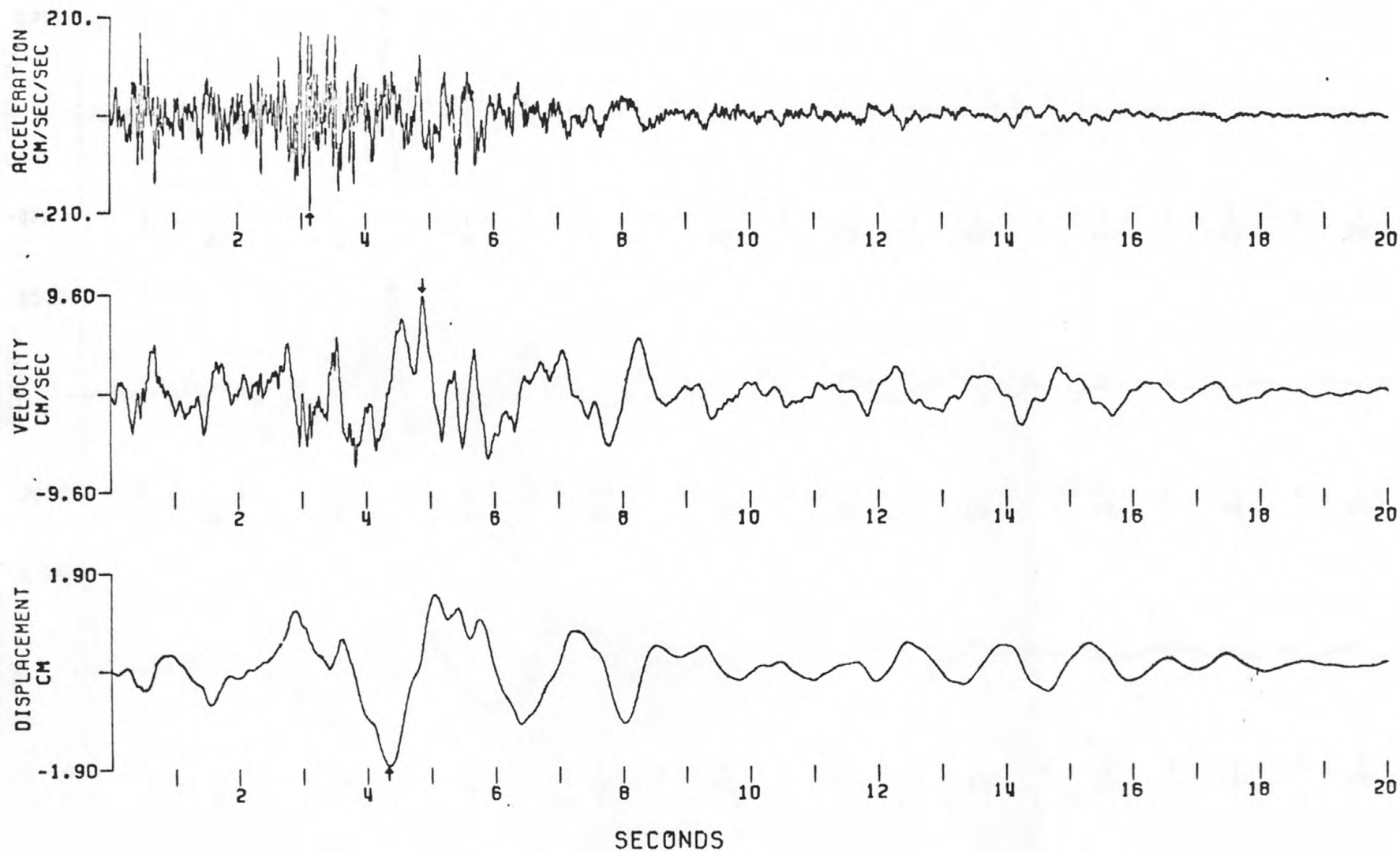


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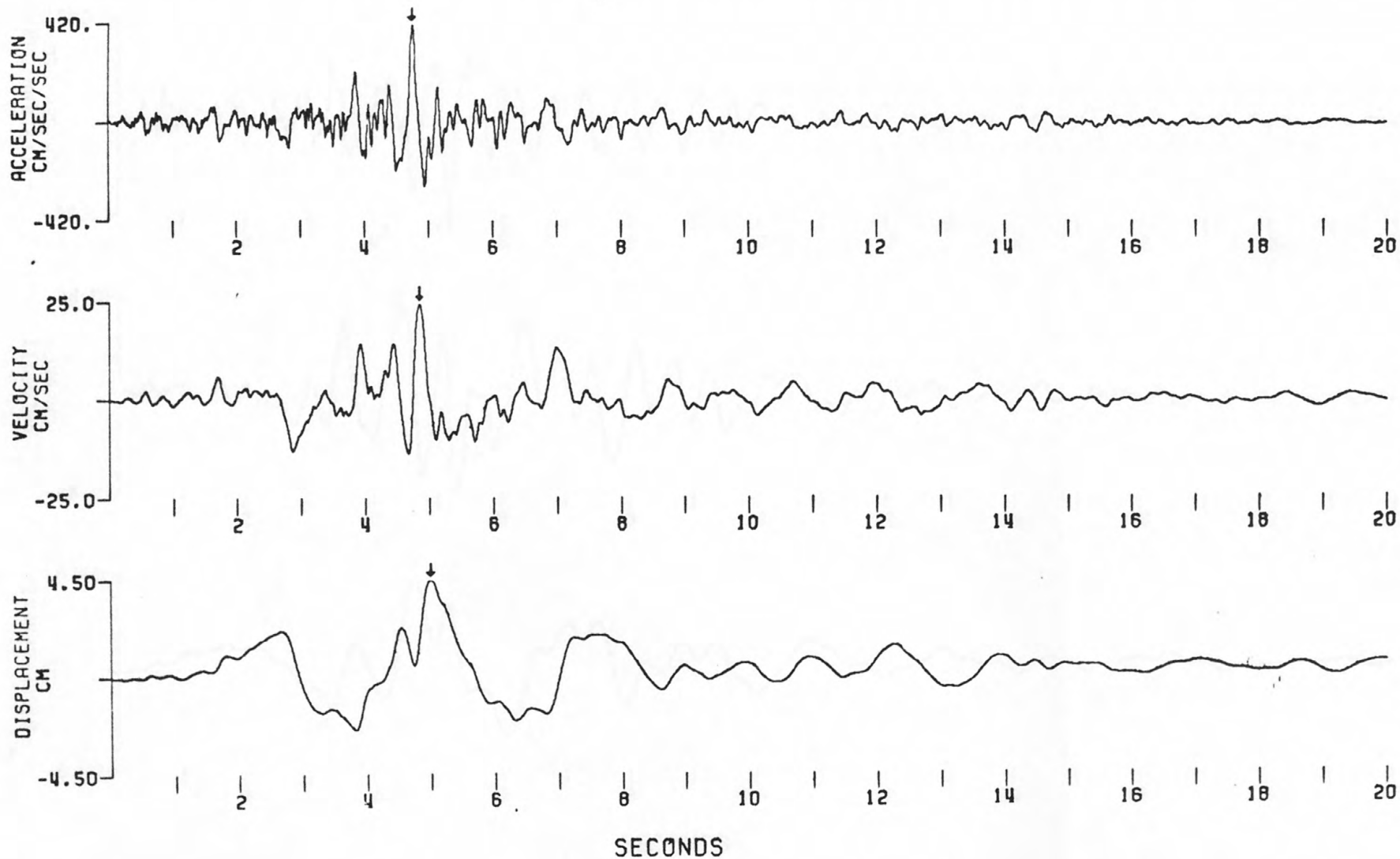
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
ANDERSON DAM - DOWNSTREAM
340 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
PEAK VALUES: ACCEL=-283.43 CM/SEC/SEC, VELOCITY=27.59 CM/SEC, DISPL=5.75 CM



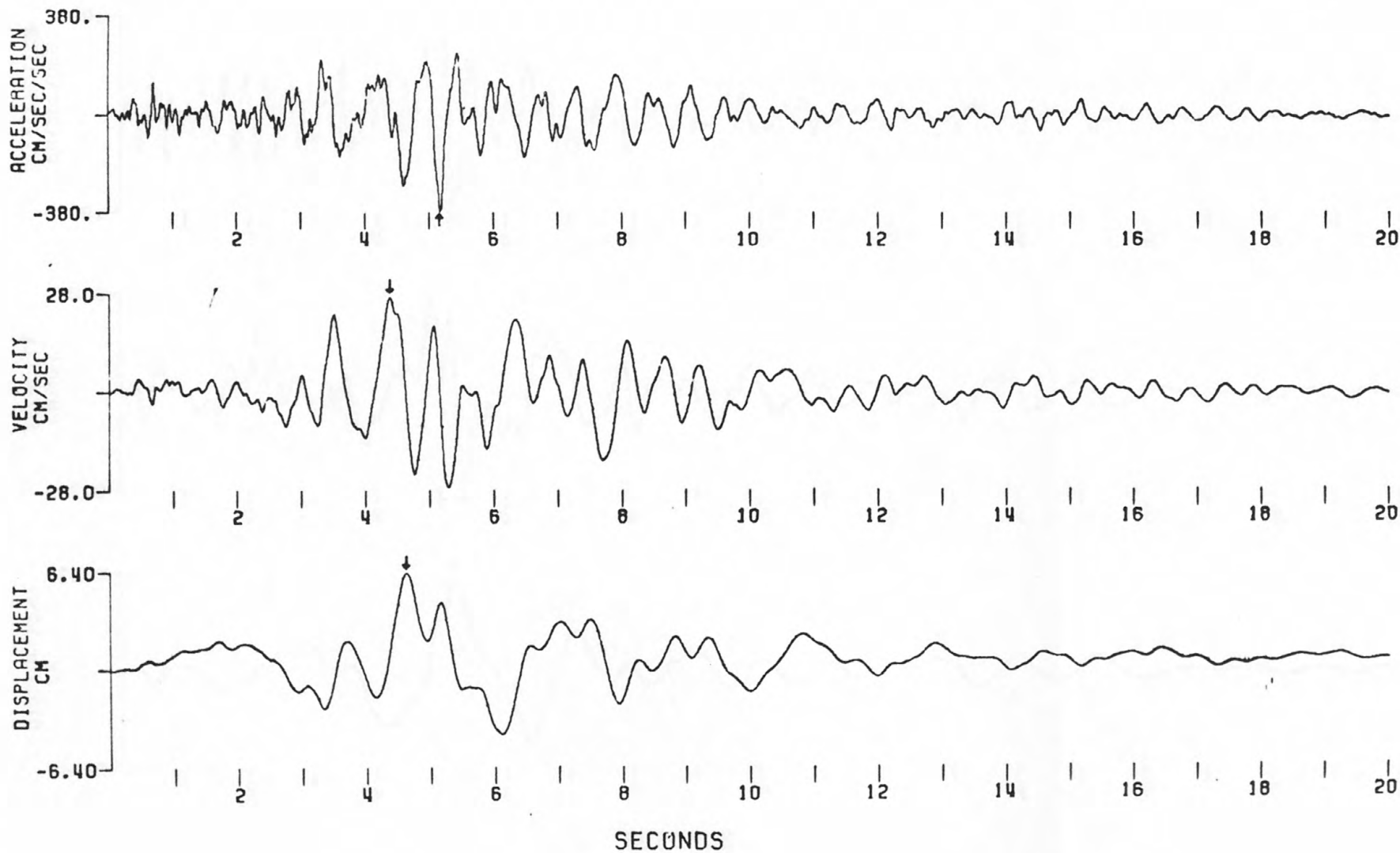
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 ANDERSON DAM - DOWNSTREAM
 UP
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
 PEAK VALUES: ACCEL=-203.50 CM/SEC/SEC, VELOCITY=9.56 CM/SEC, DISPL=-1.85 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
ANDERSON DAM - DOWNSTREAM
250 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
PEAK VALUES: ACCEL=415.90 CM/SEC/SEC, VELOCITY=24.69 CM/SEC, DISPL=4.47 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
ANDERSON DAM - CREST
340 DEGREES
EARTHQUAKE OF APRIL 24, 1984, 2115 UTC
BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
PEAK VALUES: ACCEL=-372.11 CM/SEC/SEC, VELOCITY=27.25 CM/SEC, DISPL=6.33 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS

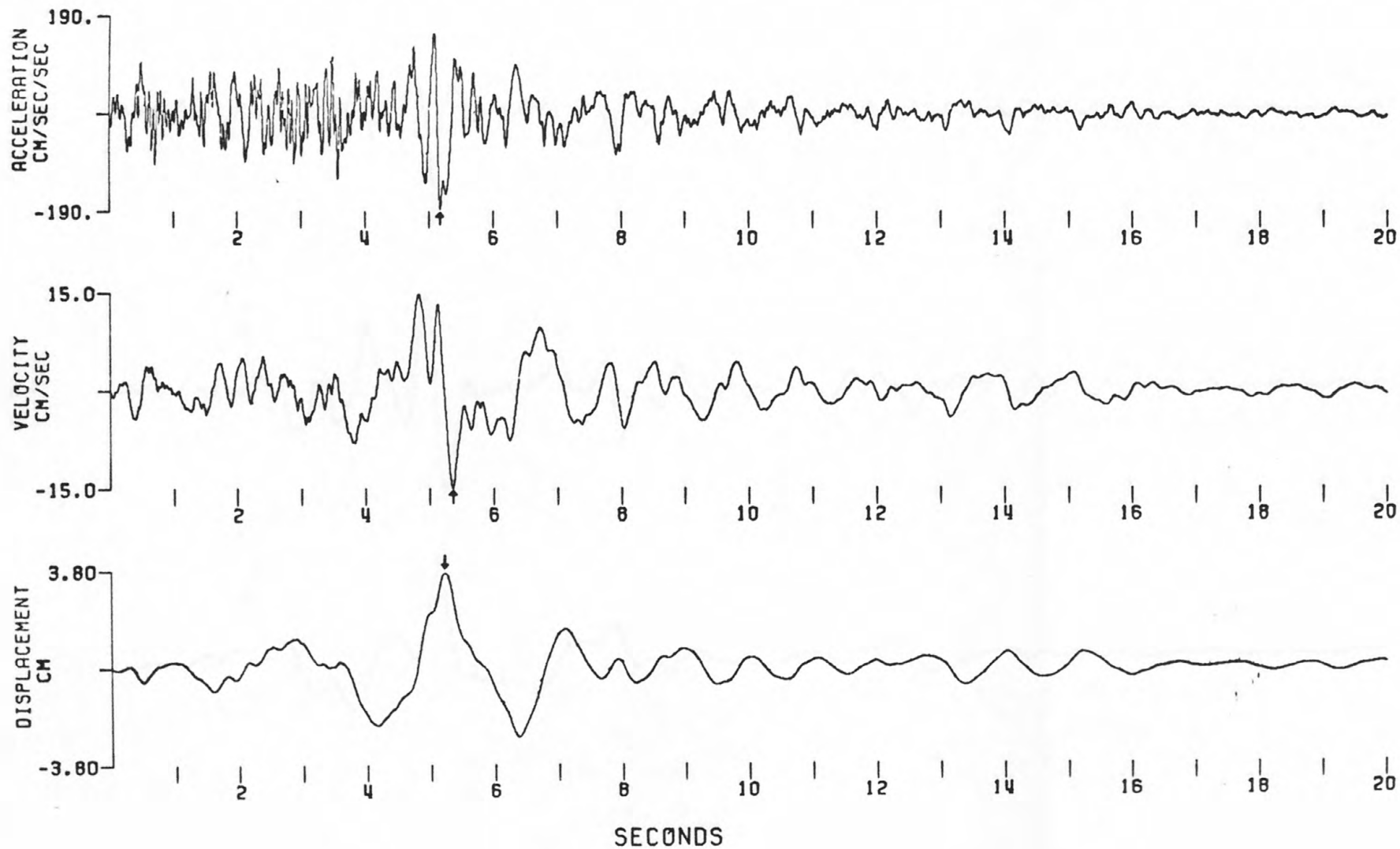
ANDERSON DAM - CREST

UP

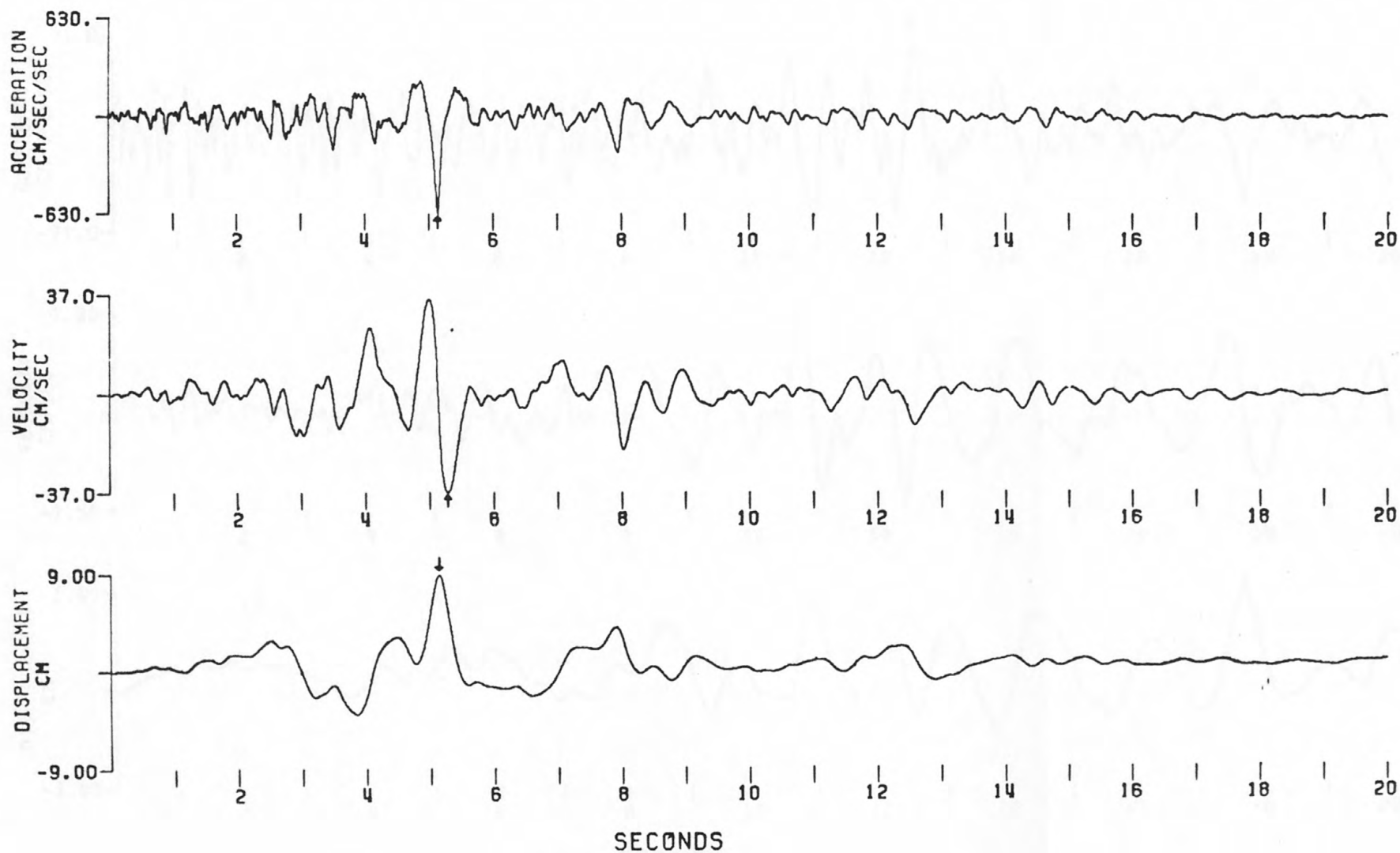
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC

BUTTERWORTH FILTER AT 0.250 HZ, ORDER 8

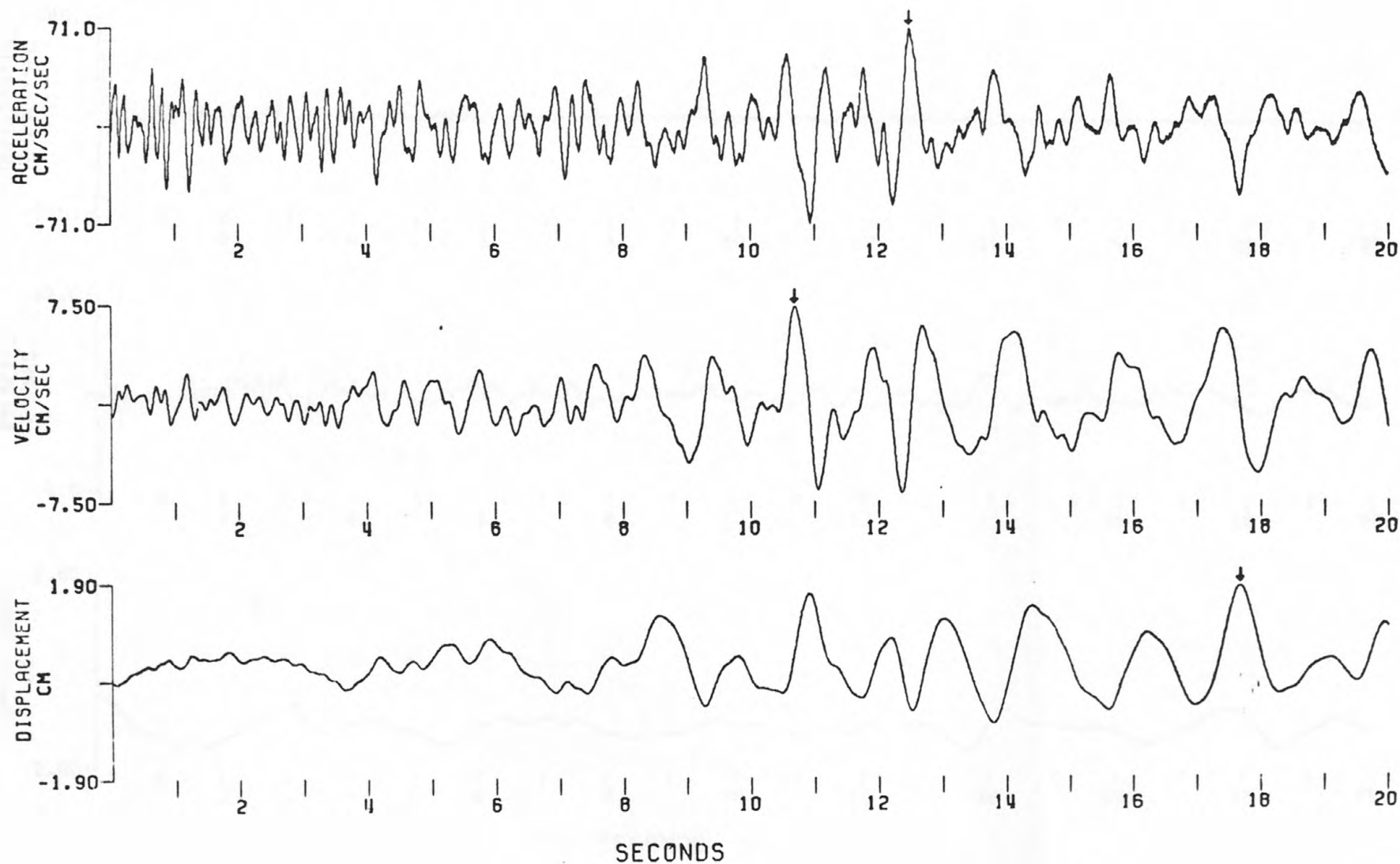
PEAK VALUES: ACCEL=-185.78 CM/SEC/SEC, VELOCITY=-14.93 CM/SEC, DISPL=3.72 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
ANDERSON DAM - CREST
250 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
BUTTERWORTH FILTER AT 0.250 HZ, ORDER 8
PEAK VALUES: ACCEL=-627.88 CM/SEC/SEC, VELOCITY=-36.75 CM/SEC, DISPL=8.92 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER CITY HALL ANNEX - BASEMENT
001 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
BUTTERWORTH FILTER AT 0.250 HZ, ORDER 8
PEAK VALUES: ACCEL=70.94 CM/SEC/SEC, VELOCITY=7.46 CM/SEC, DISPL=1.83 CM

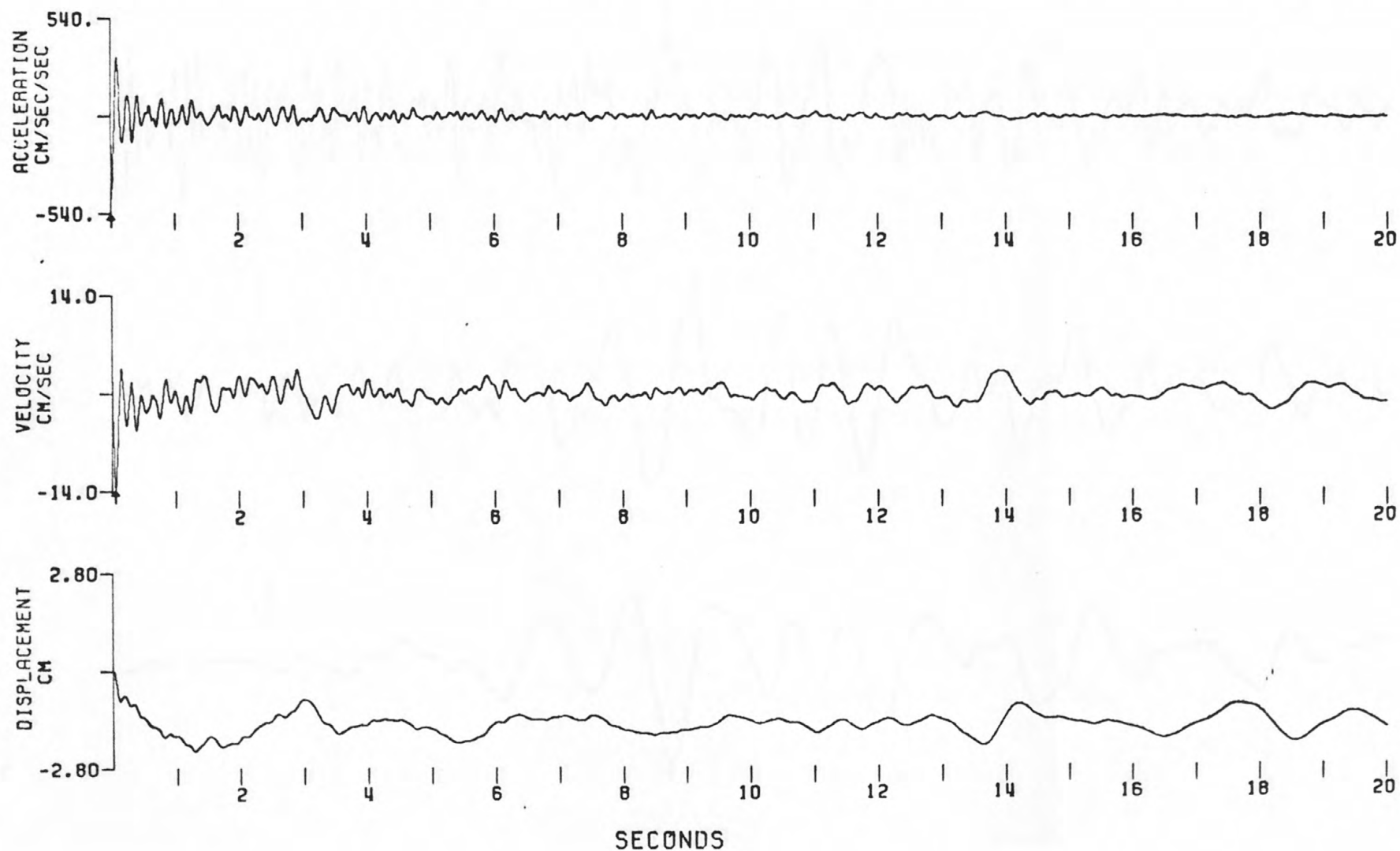


CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER CITY HALL ANNEX - BASEMENT

UP
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC

BUTTERWORTH FILTER AT 0.250 HZ, ORDER 8

PEAK VALUES: ACCEL=-532.85 CM/SEC/SEC, VELOCITY=-13.59 CM/SEC, DISPL=-2.73 CM

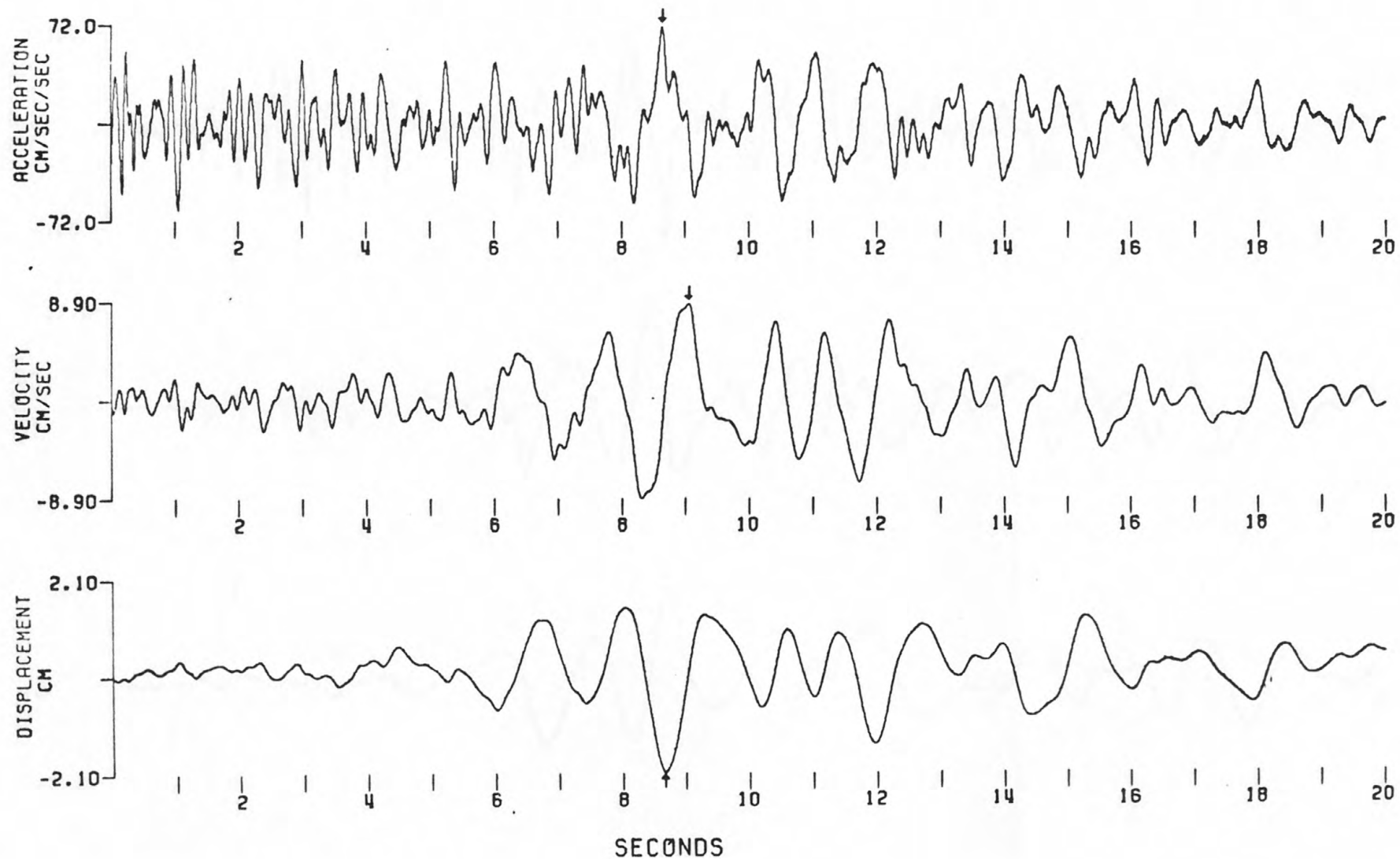


CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER CITY HALL ANNEX - BASEMENT

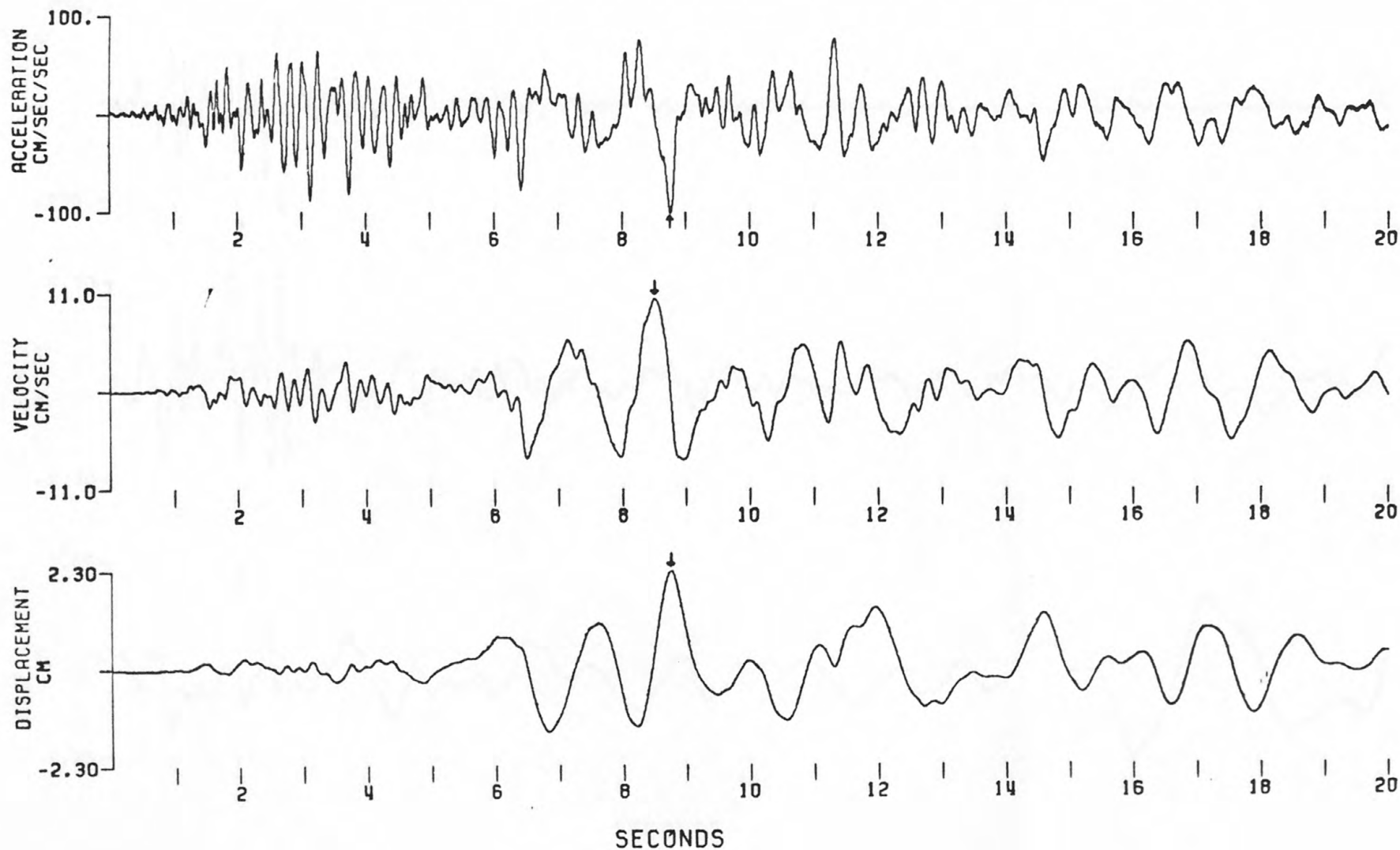
271 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC

BUTTERWORTH FILTER AT 0.250 HZ, ORDER 8

PEAK VALUES: ACCEL=71.06 CM/SEC/SEC, VELOCITY=8.86 CM/SEC, DISPL=-2.07 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T)
 255 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
 PEAK VALUES: ACCEL=-99.37 CM/SEC/SEC, VELOCITY=10.61 CM/SEC, DISPL=2.30 CM

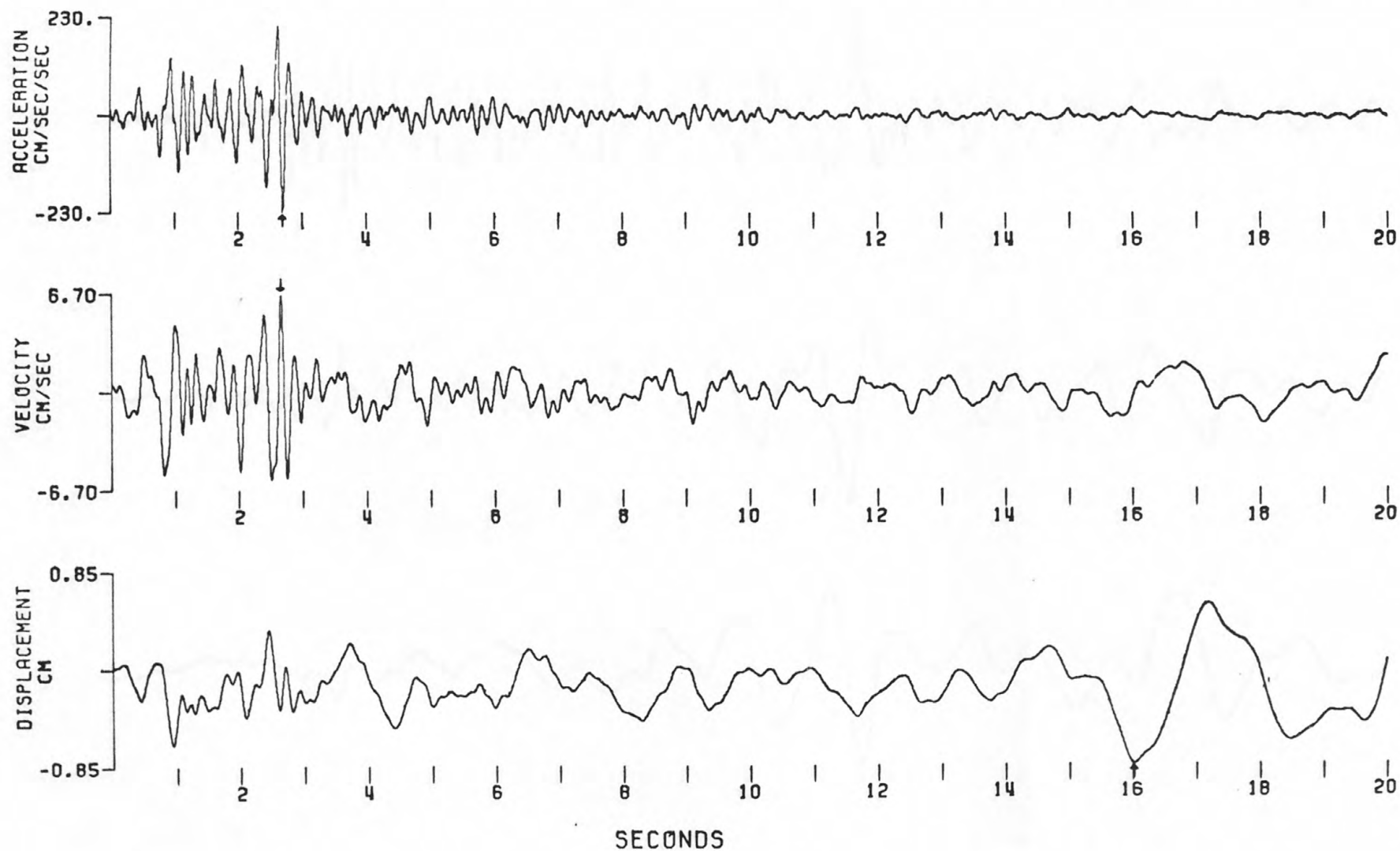


CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER DIFFERENTIAL ARRAY (SMA-1T)

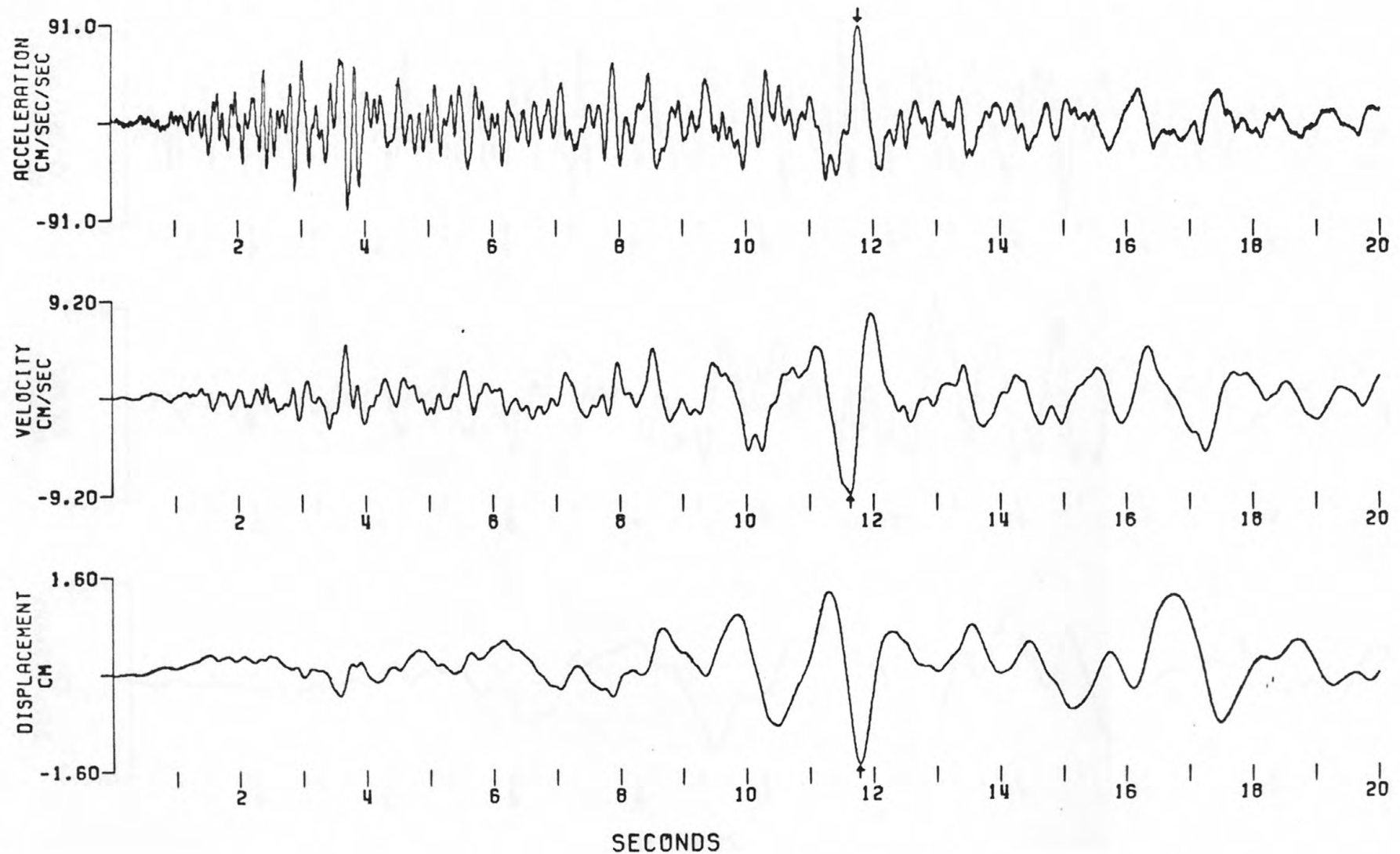
UP
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC

BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8

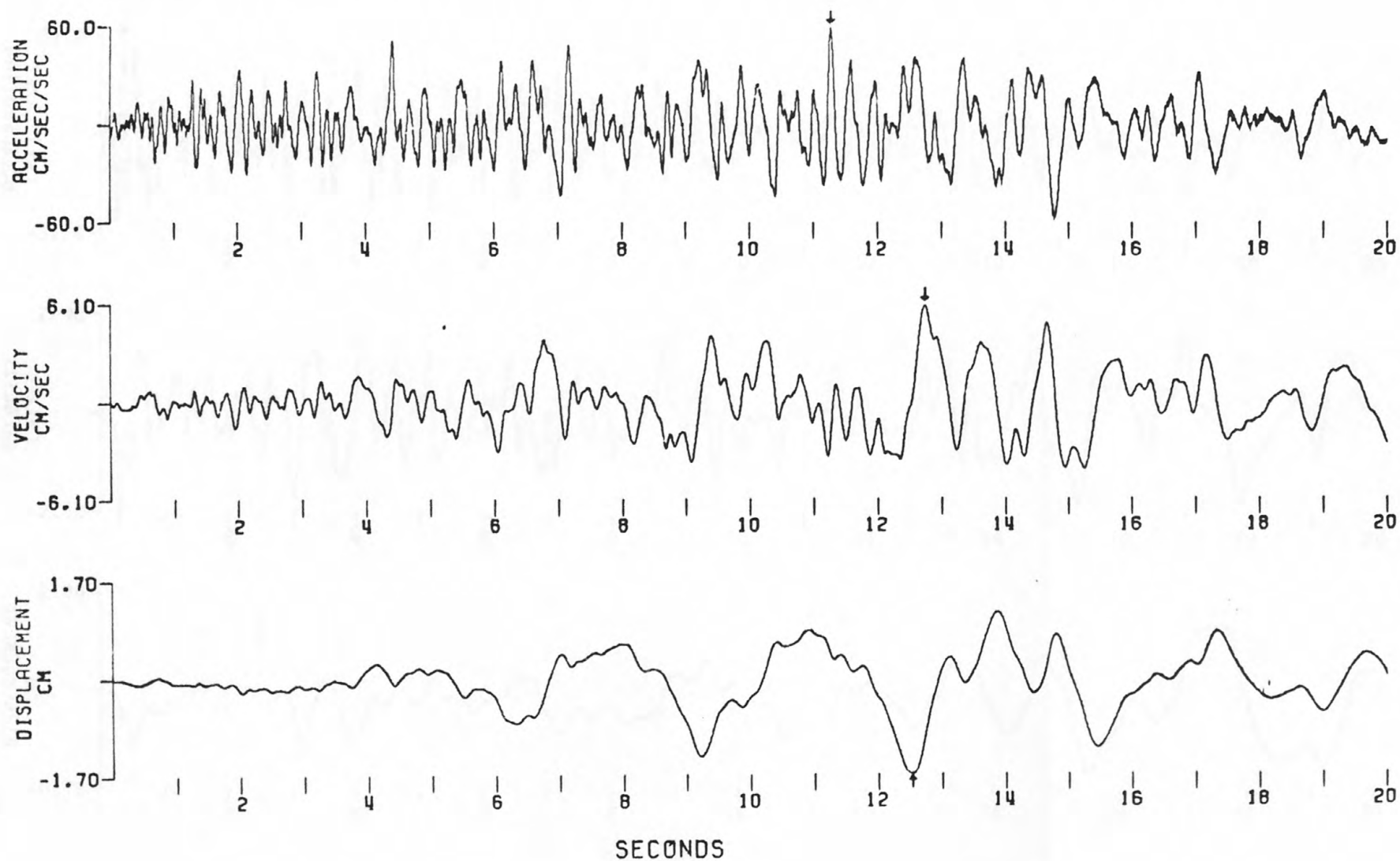
PEAK VALUES: ACCEL=-227.24 CM/SEC/SEC, VELOCITY=6.62 CM/SEC, DISPL=-0.84 CM



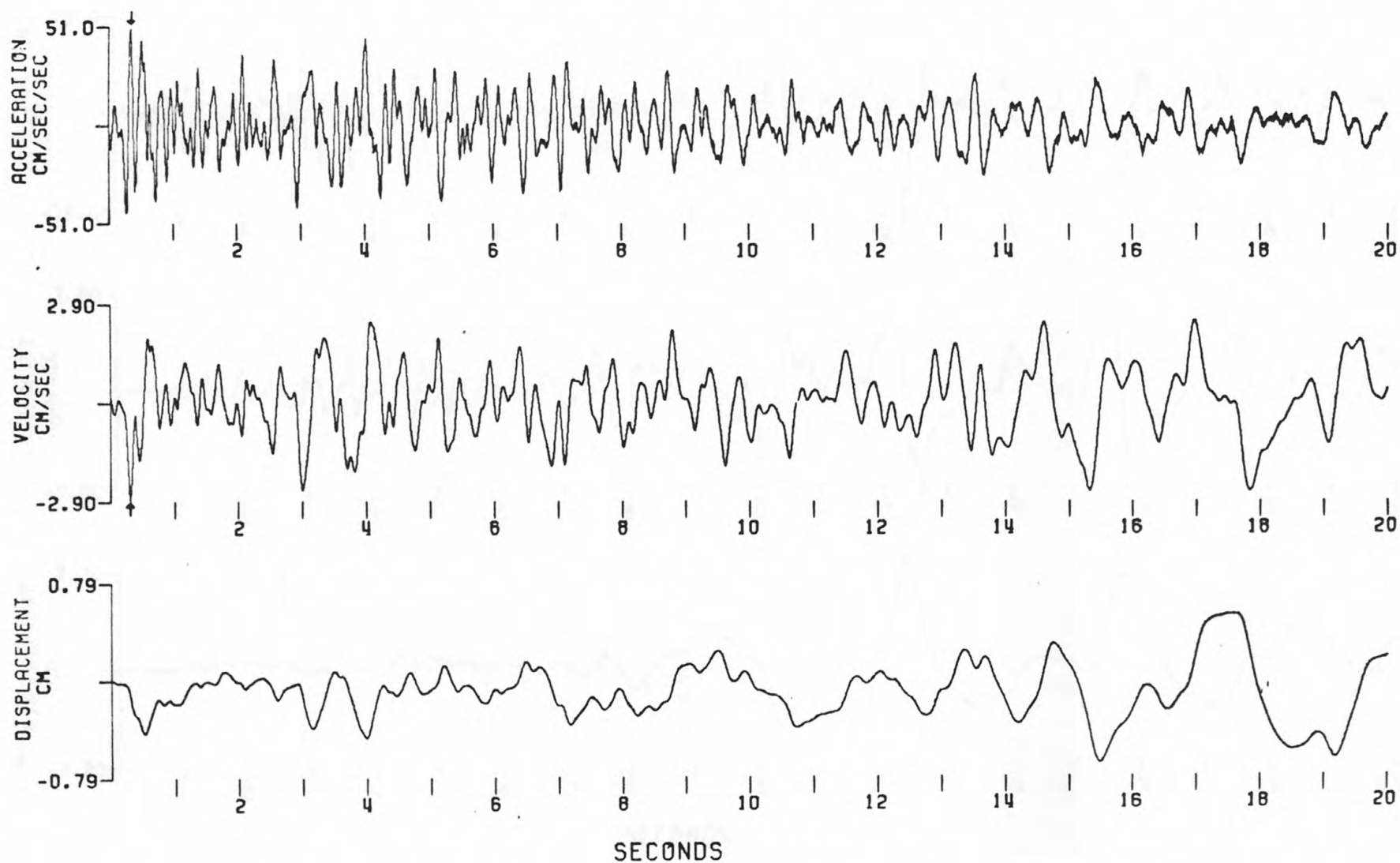
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T)
 165 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
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 PEAK VALUES: ACCEL=90.95 CM/SEC/SEC, VELOCITY=-9.15 CM/SEC, DISPL=-1.53 CM



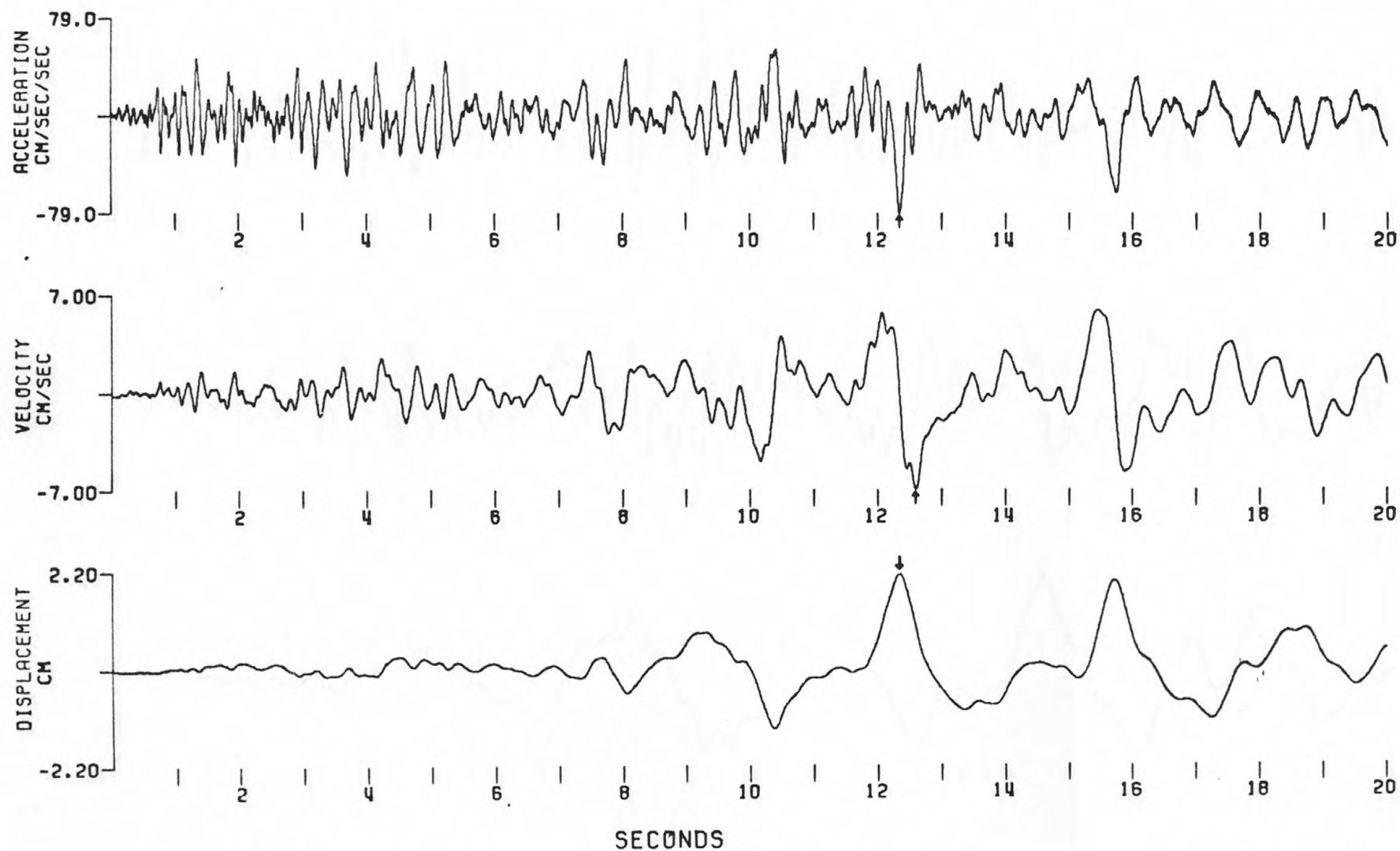
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE)
 360 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 BUTTERWORTH FILTER AT 0.250 HZ, ORDER 8
 PEAK VALUES: ACCEL=59.48 CM/SEC/SEC, VELOCITY=6.08 CM/SEC, DISPL=-1.69 CM



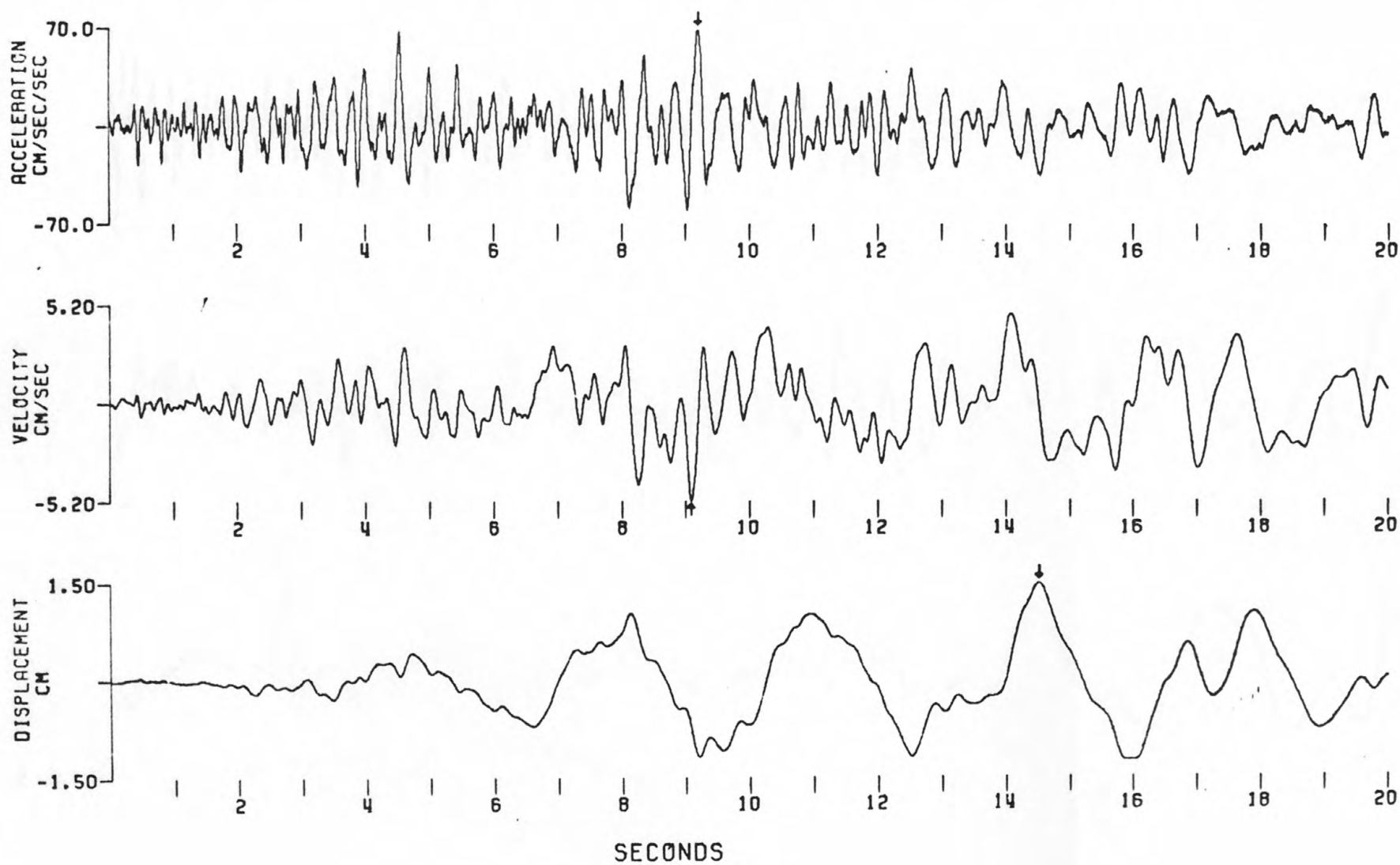
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE)
UP
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
BUTTERWORTH FILTER AT 0.250 HZ, ORDER 8
PEAK VALUES: ACCEL=50.20 CM/SEC/SEC, VELOCITY=-2.84 CM/SEC, DISPL=-0.78 CM



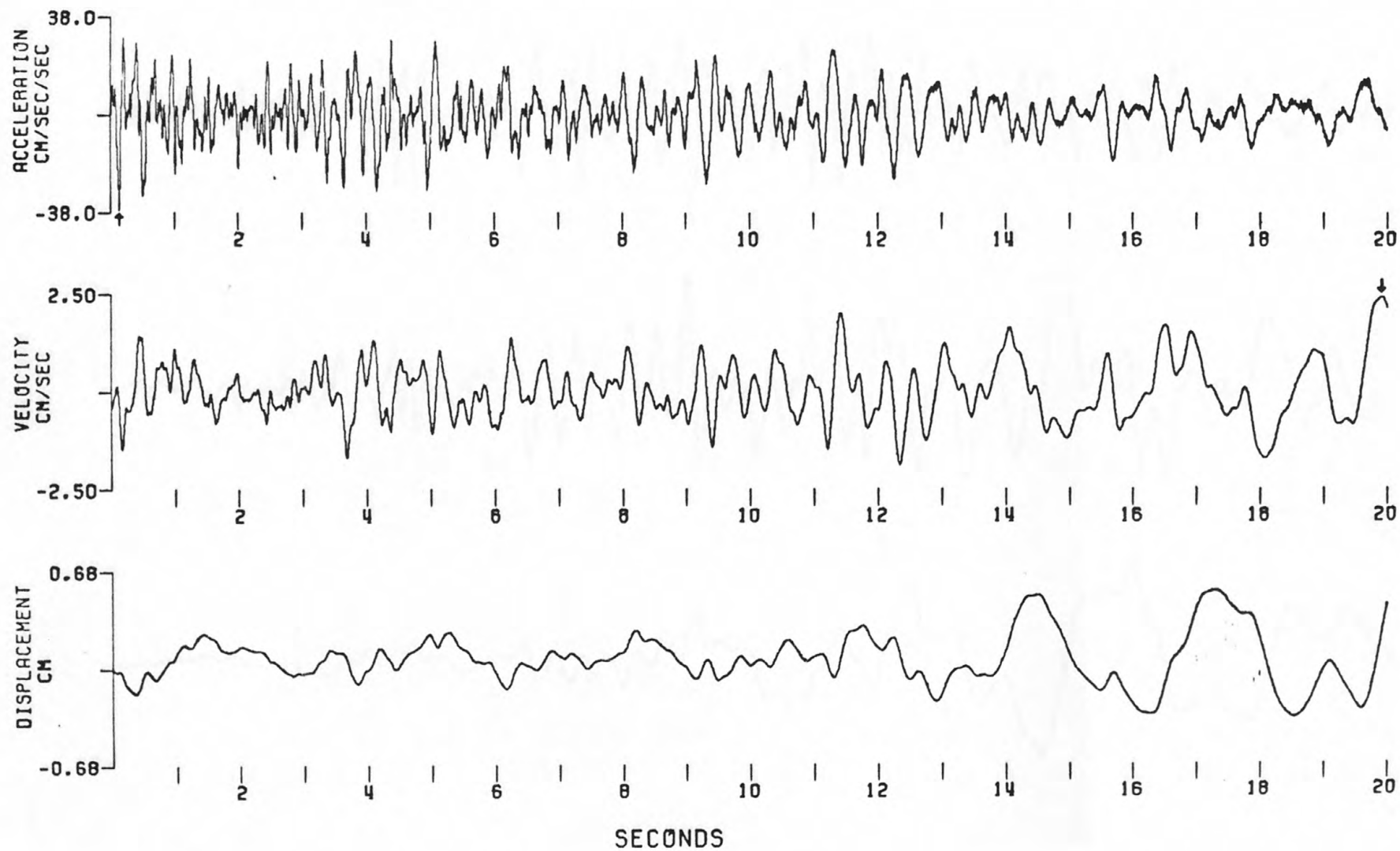
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE)
 270 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
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 PEAK VALUES: ACCEL=-78.16 CM/SEC/SEC, VELOCITY=-6.94 CM/SEC, DISPL=2.14 CM



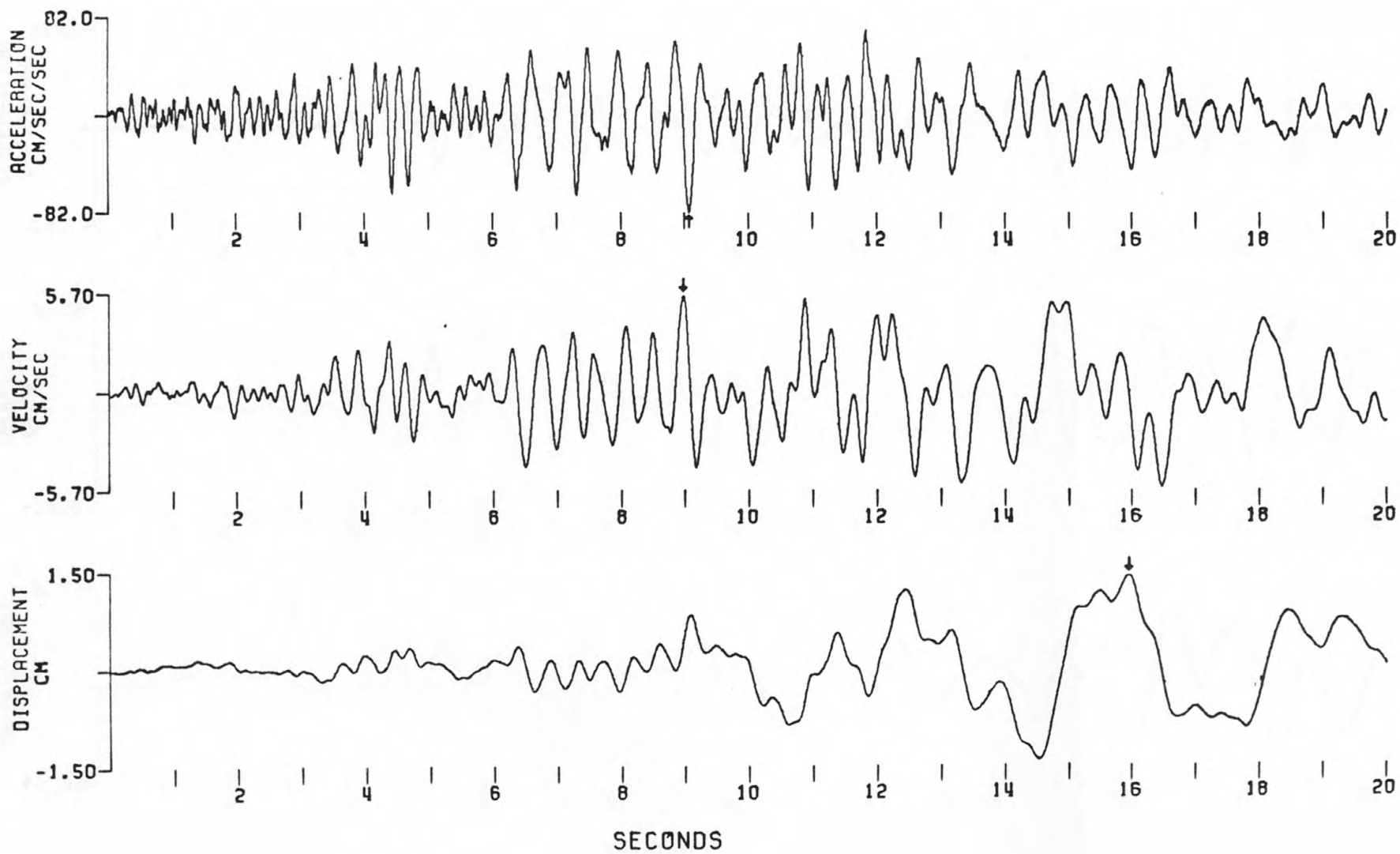
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
SAN JUSTO DAMSITE - LEFT ABUTMENT
360 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
PEAK VALUES: ACCEL=69.18 CM/SEC/SEC, VELOCITY=-5.16 CM/SEC, DISPL=1.48 CM



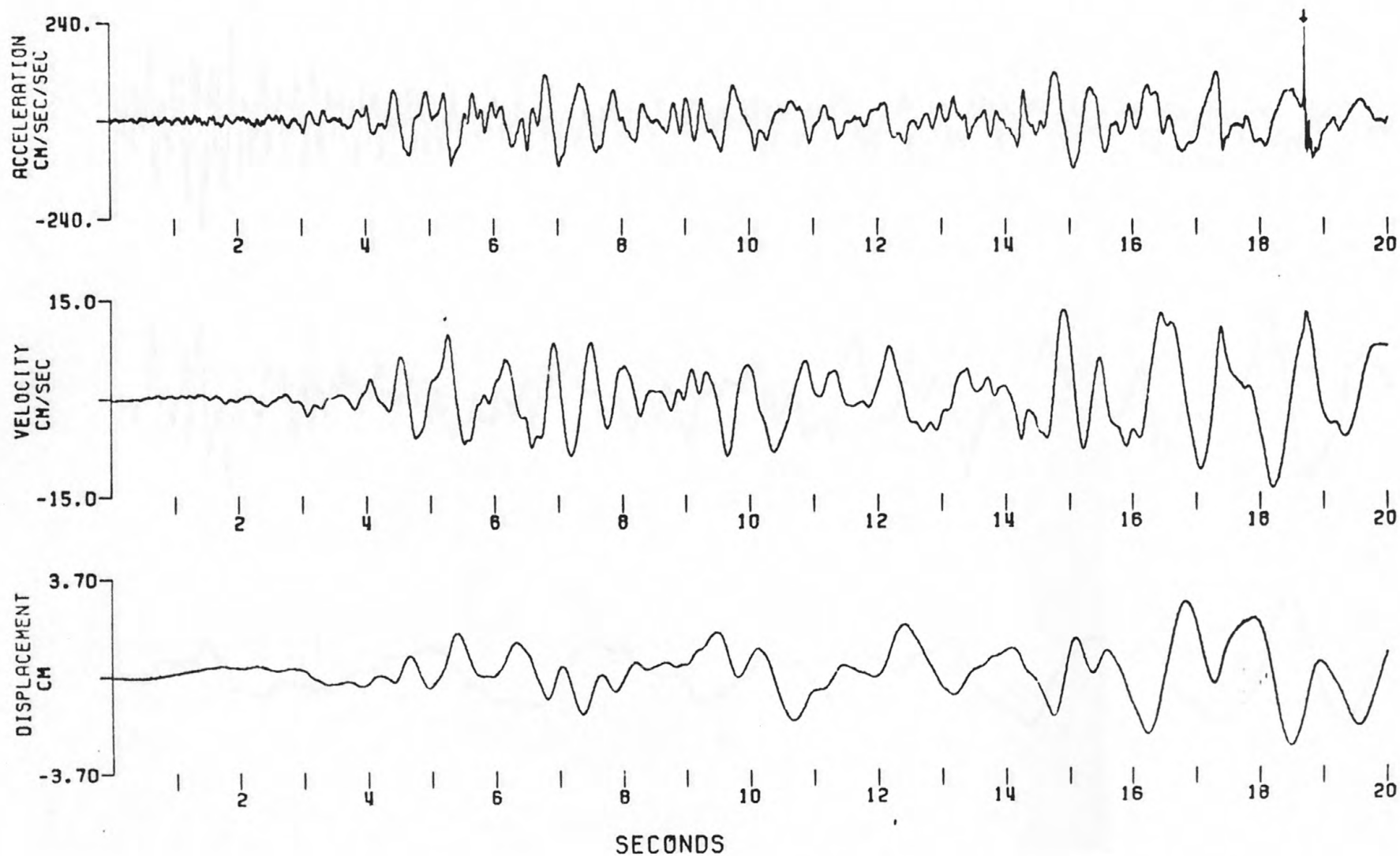
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 SAN JUSTO DAMSITE - LEFT ABUTMENT
 UP
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
 PEAK VALUES: ACCEL=-37.06 CM/SEC/SEC, VELOCITY=2.45 CM/SEC, DISPL=0.68 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 SAN JUSTO DAMSITE - LEFT ABUTMENT
 270 DEGREES
 MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
 BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
 PEAK VALUES: ACCEL=-81.40 CM/SEC/SEC, VELOCITY=5.64 CM/SEC, DISPL=1.43 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
SAN JOSE 101/280/680 FWY INTERCHANGE
322 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
PEAK VALUES: ACCEL=230.17 CM/SEC/SEC, VELOCITY=14.42 CM/SEC, DISPL=-3.68 CM

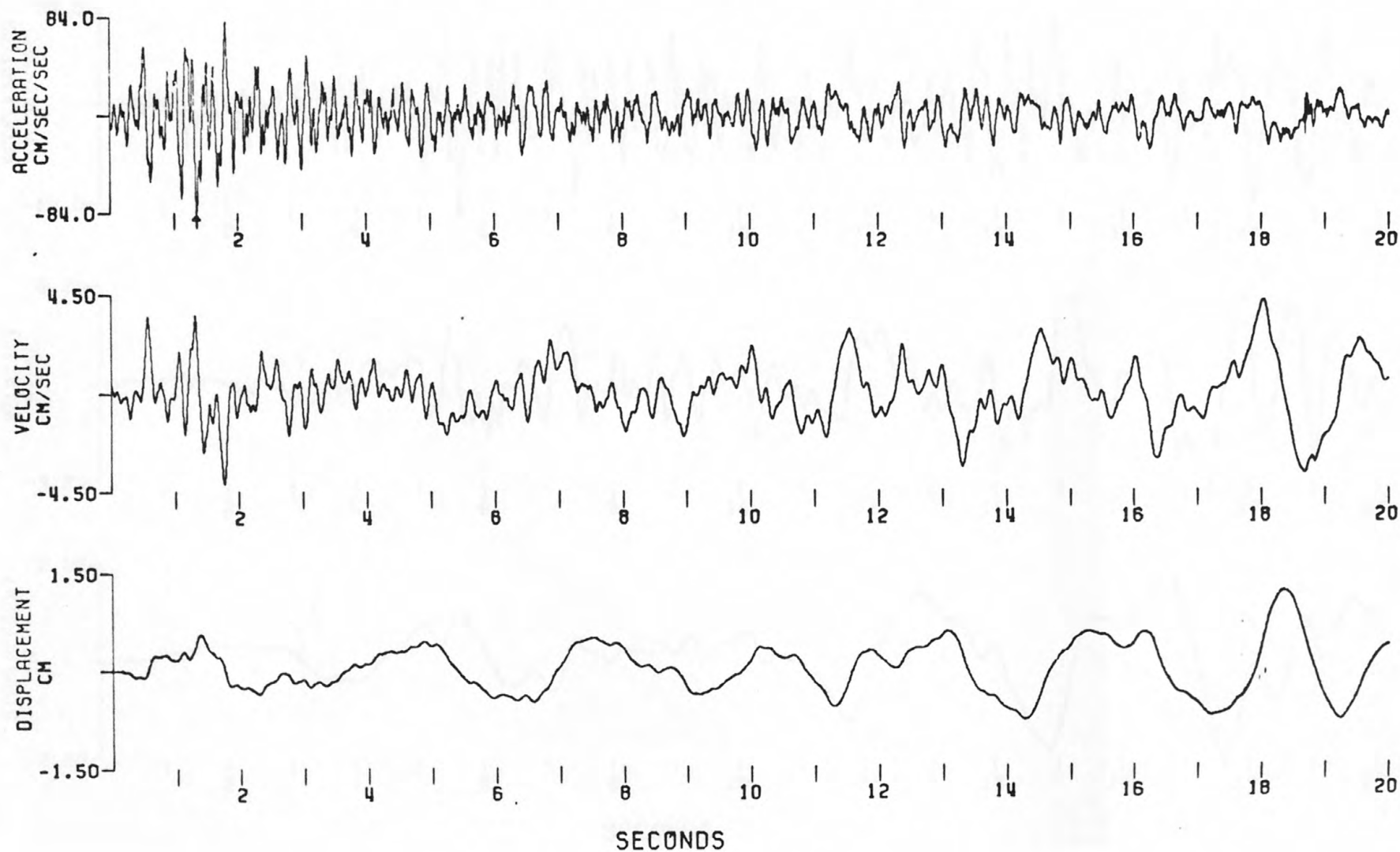


CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
SAN JOSE 101/280/680 FWY INTERCHANGE

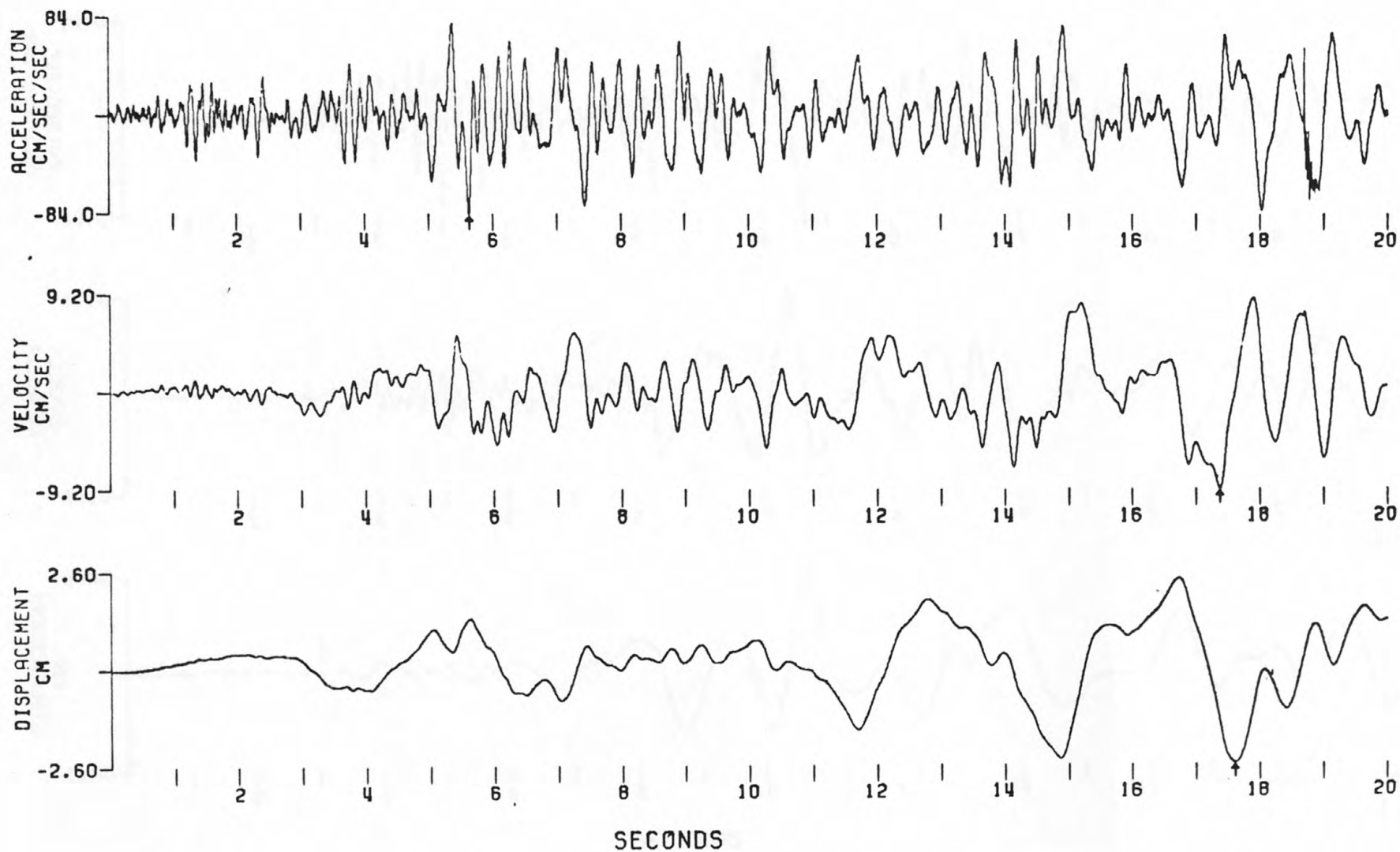
UP
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC

BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8

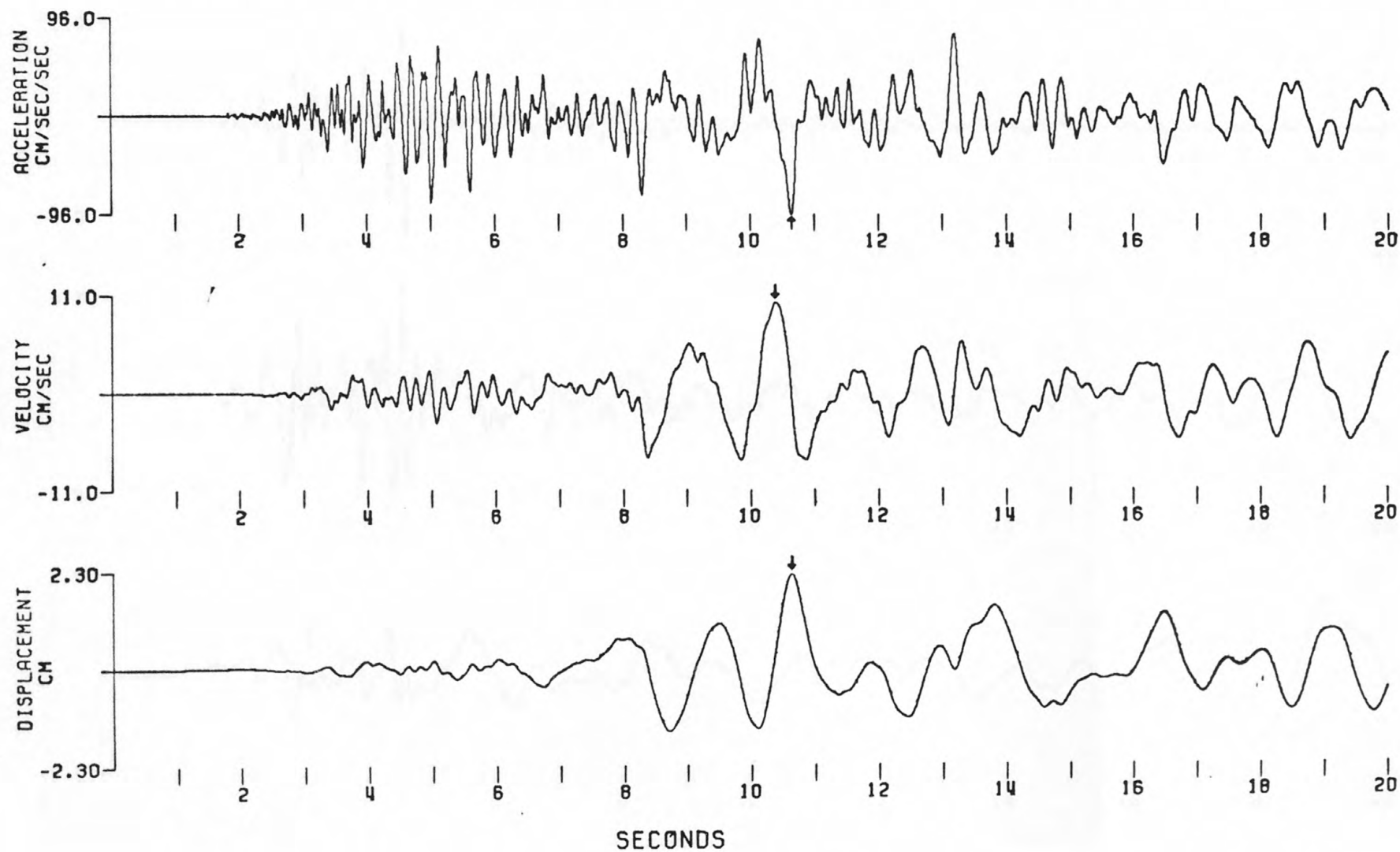
PEAK VALUES: ACCEL=-83.53 CM/SEC/SEC, VELOCITY=-4.43 CM/SEC, DISPL=-1.41 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
SAN JOSE 101/280/680 FWY INTERCHANGE
232 DEGREES
MT. HAMILTON EARTHQUAKE OF APRIL 24, 1984 2115 UTC
BUTTERWORTH FILTER AT 0.25 HZ, ORDER 8
PEAK VALUES: ACCEL=-83.92 CM/SEC/SEC, VELOCITY=-9.15 CM/SEC, DISPL=-2.55 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 HOLLISTER, DIFFERENTIAL ARRAY NO 1
 255 DEGREES
 EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
 BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
 PEAK VALUES: ACCEL=-95.29 CM/SEC/SEC, VELOCITY=10.35 CM/SEC, DISPL=2.23 CM

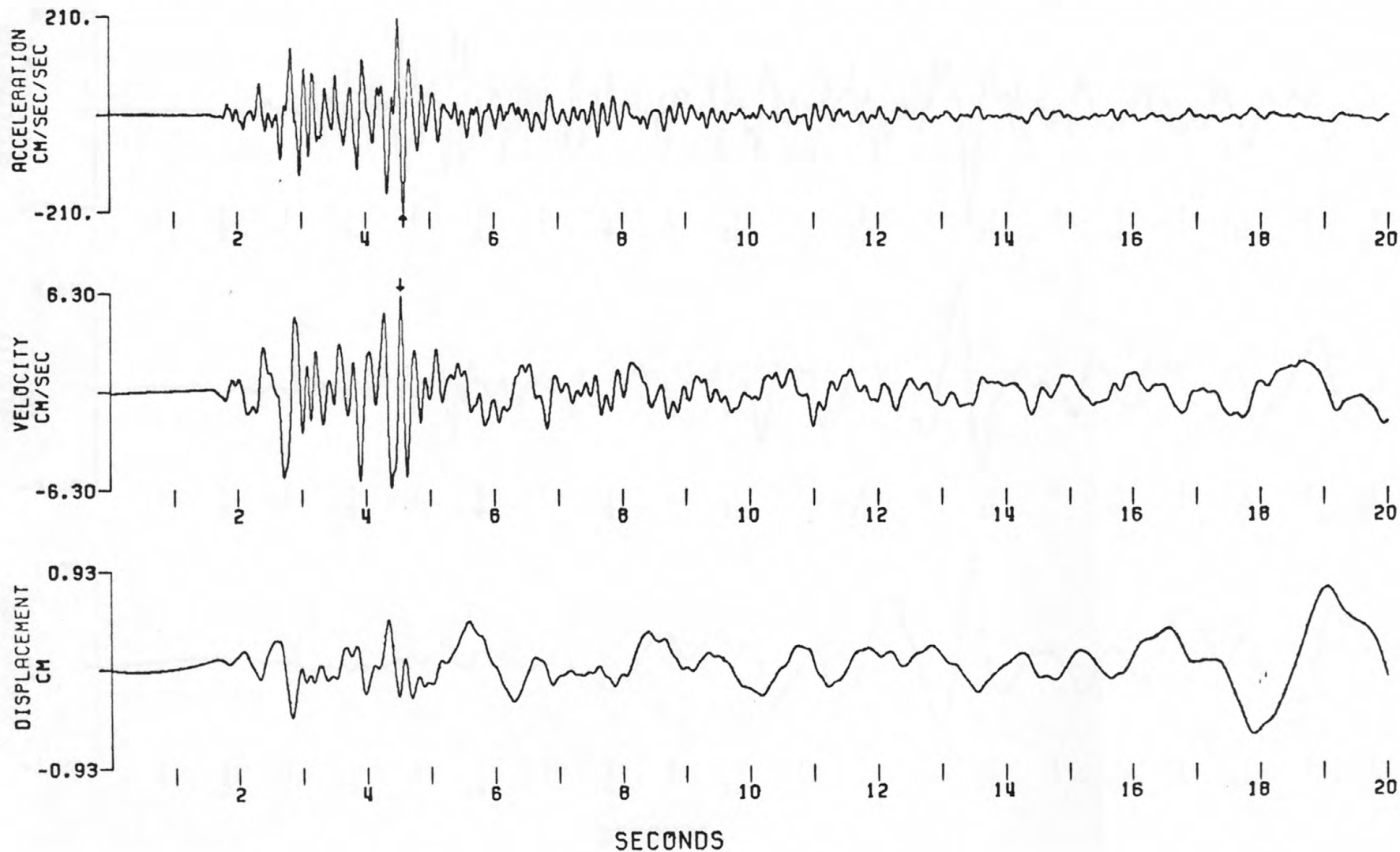


CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER, DIFFERENTIAL ARRAY NO 1

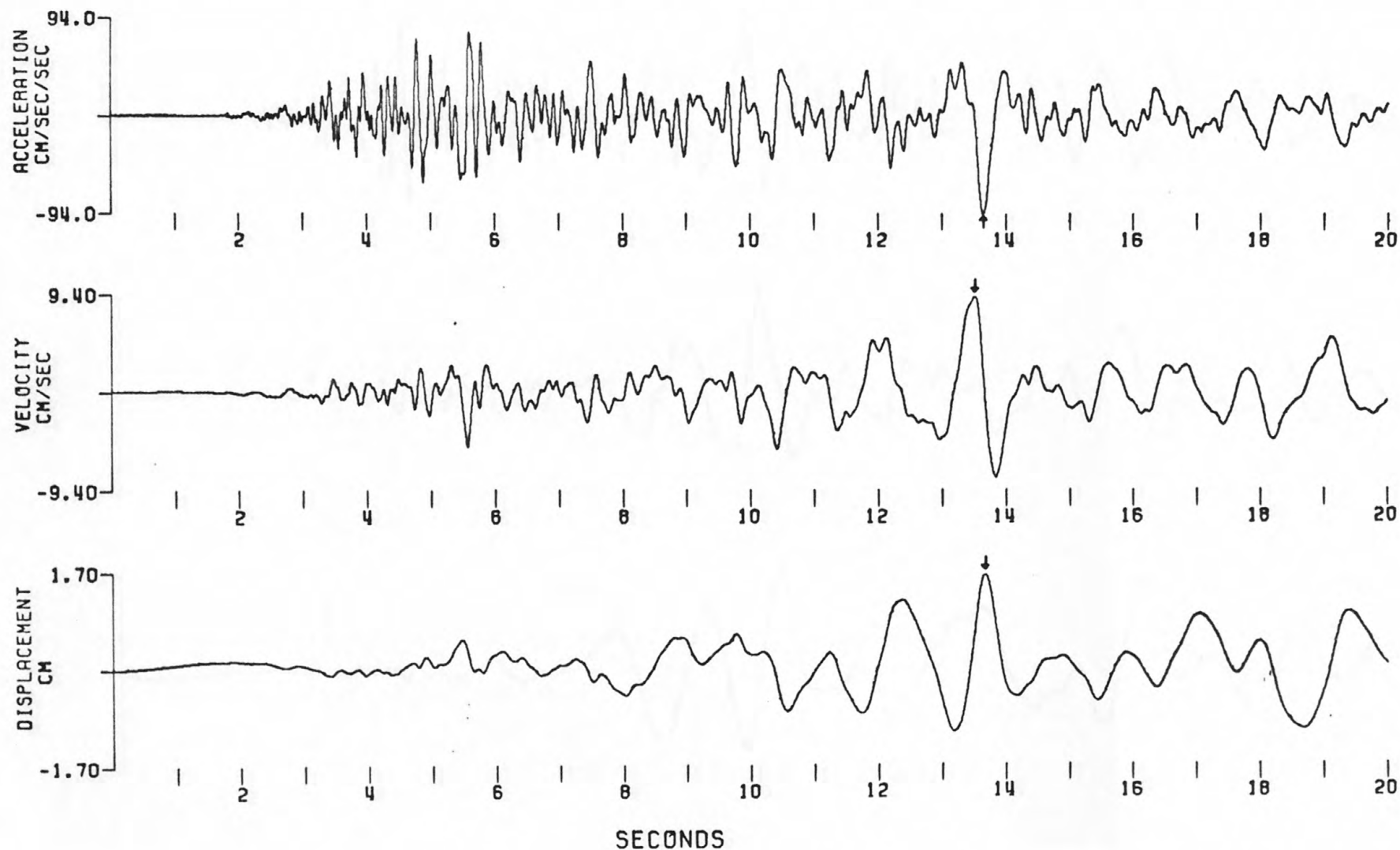
UP
EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC

BUTTERWORTH FILTER AT .25 HZ, ORDER = 8

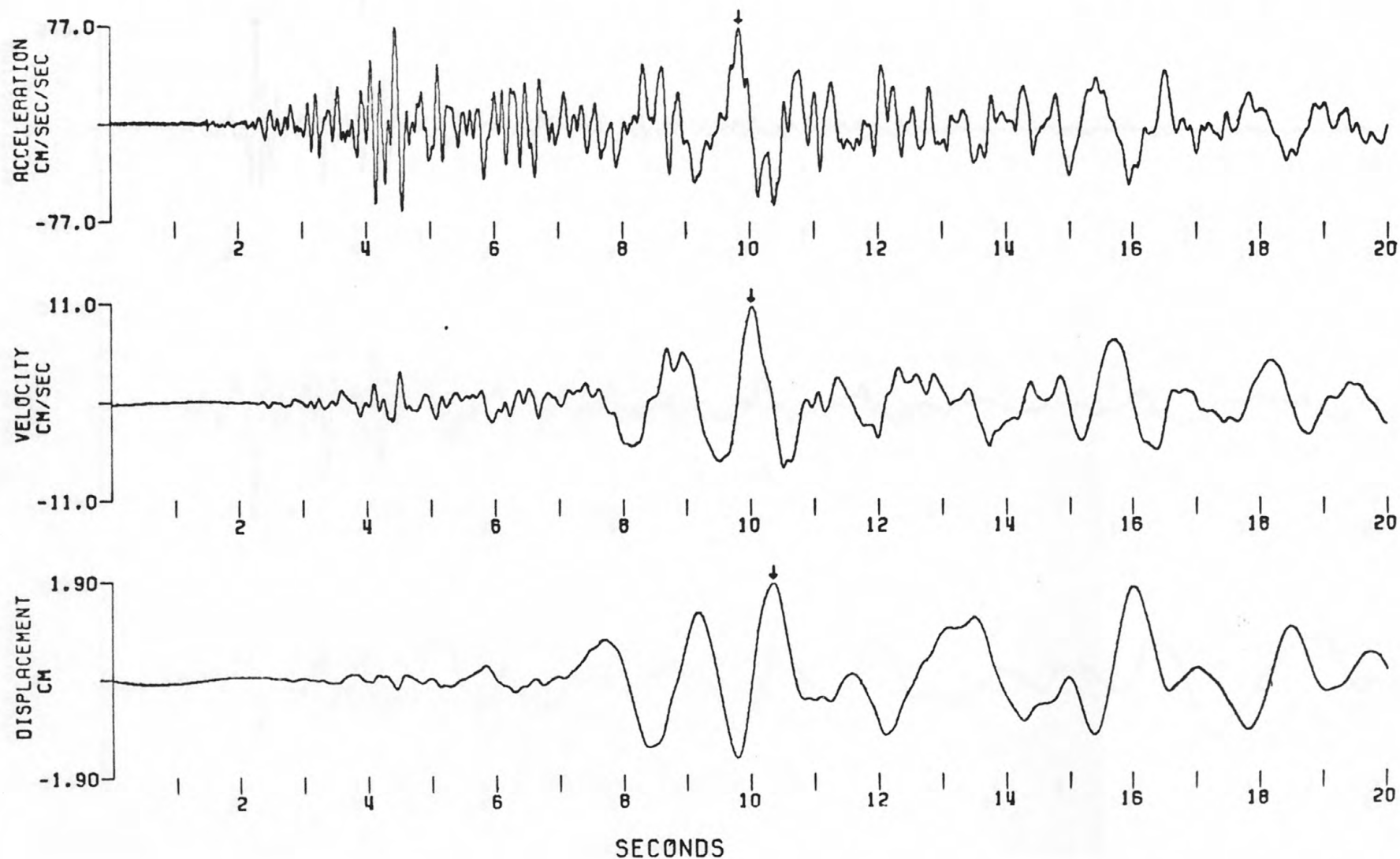
PEAK VALUES: ACCEL=-208.63 CM/SEC/SEC, VELOCITY=6.24 CM/SEC, DISPL=0.93 CM



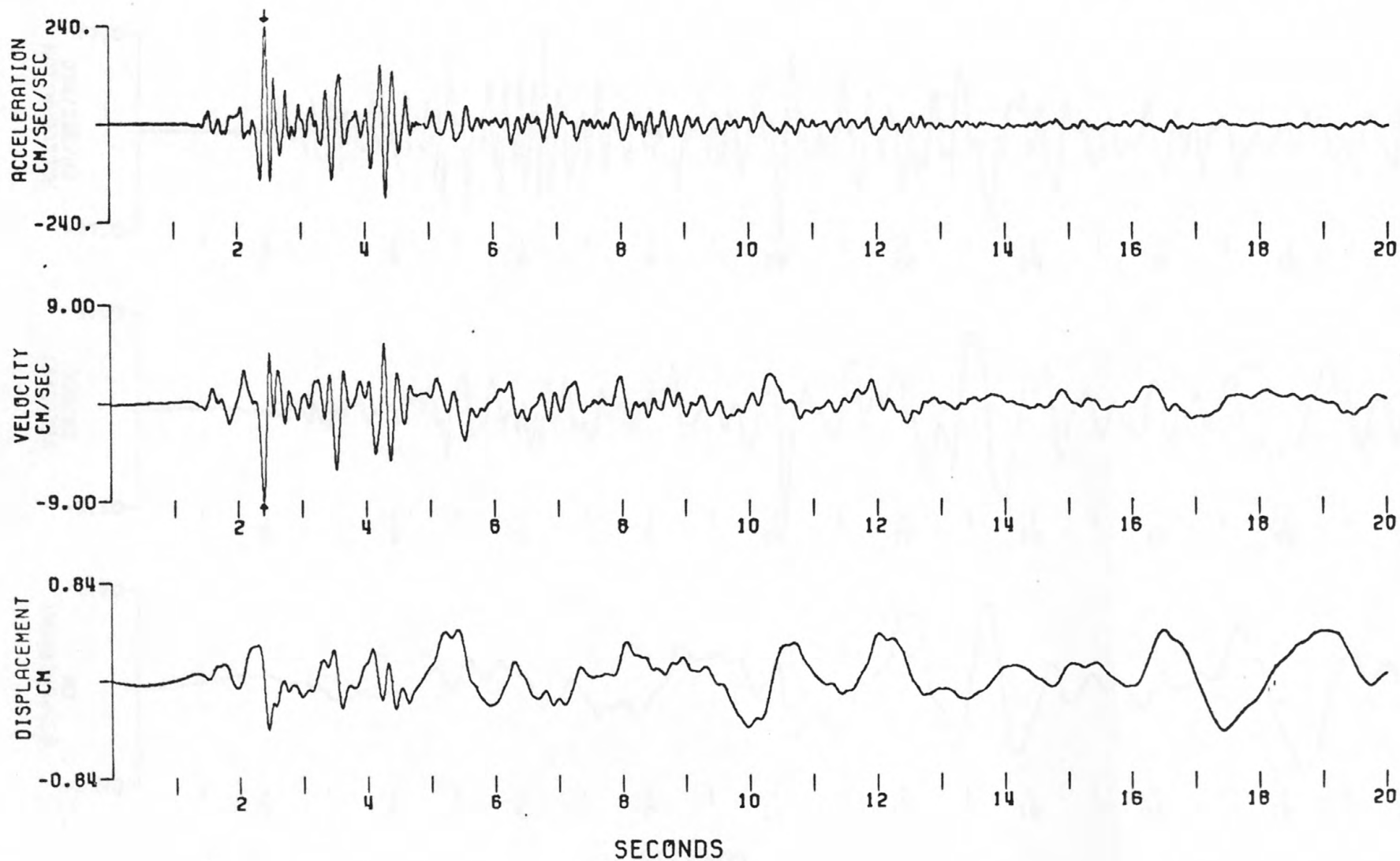
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 HOLLISTER, DIFFERENTIAL ARRAY NO 1
 345 DEGREES
 EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
 BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
 PEAK VALUES: ACCEL=-93.11 CM/SEC/SEC, VELOCITY=9.32 CM/SEC, DISPL=1.65 CM



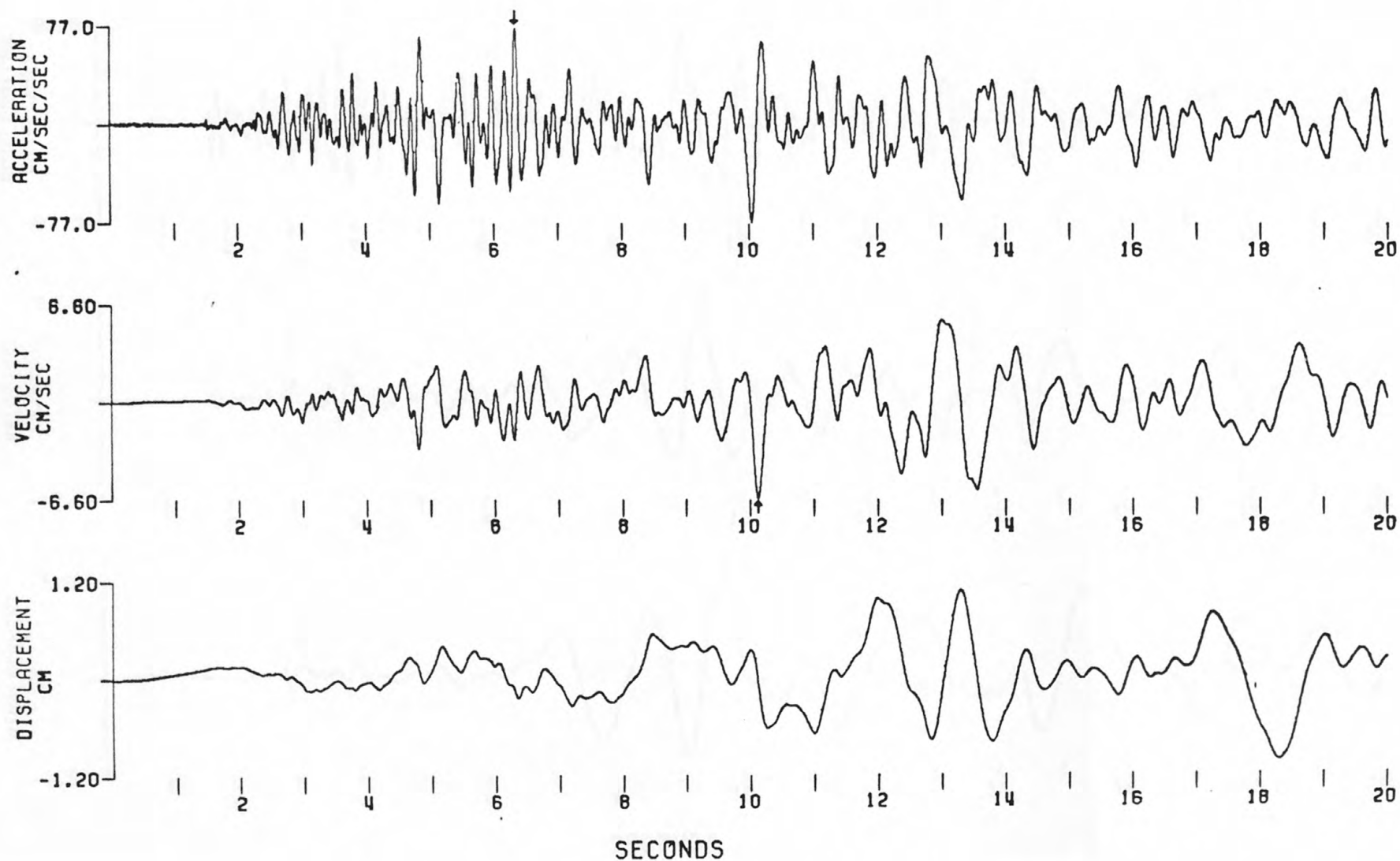
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 HOLLISTER, DIFFERENTIAL ARRAY NO 3
 255 DEGREES
 EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
 BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
 PEAK VALUES: ACCEL=76.45 CM/SEC/SEC, VELOCITY=10.79 CM/SEC, DISPL=1.84 CM



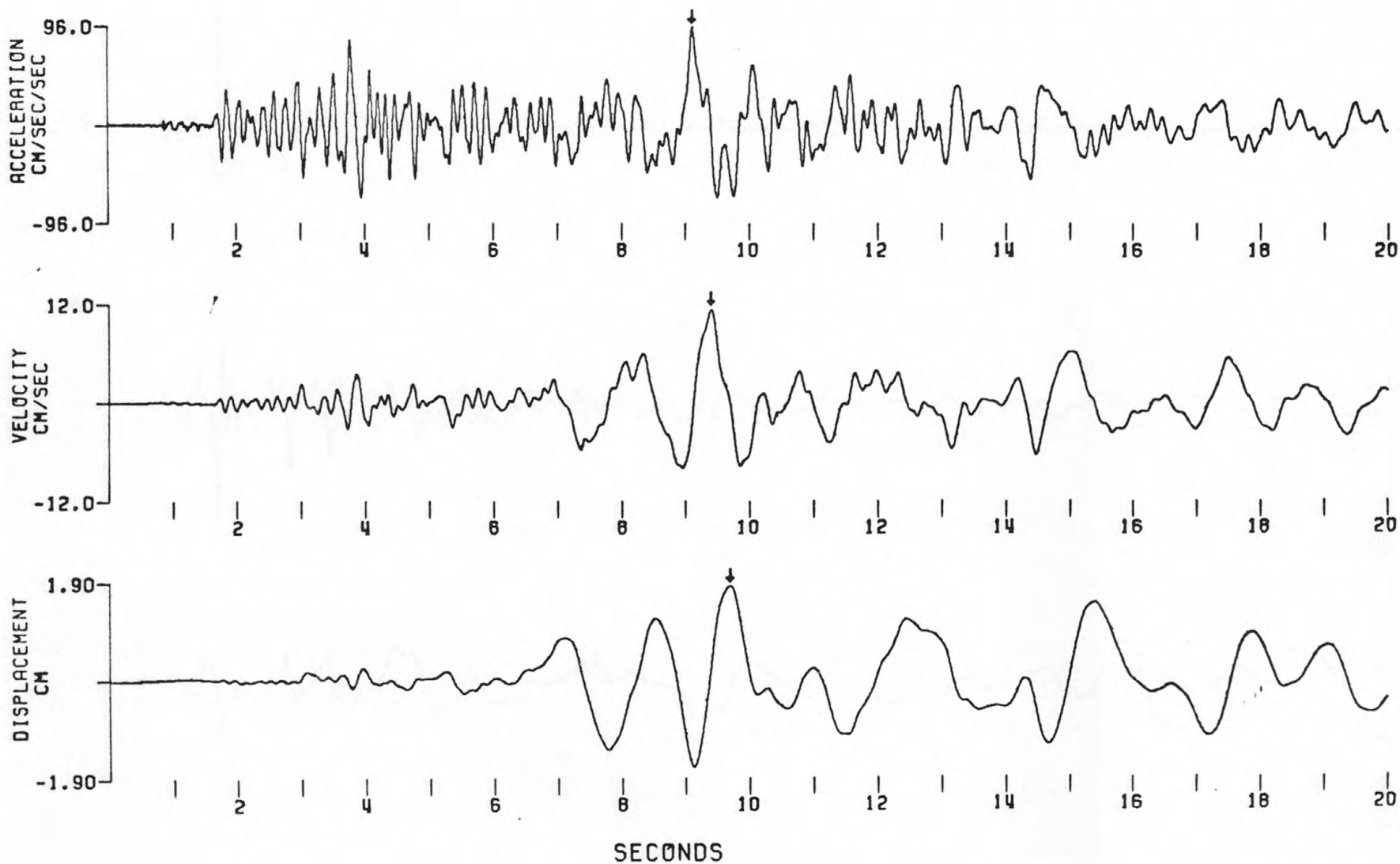
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER, DIFFERENTIAL ARRAY NO 3
UP
EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
PEAK VALUES: ACCEL=239.40 CM/SEC/SEC, VELOCITY=-8.99 CM/SEC, DISPL=-0.83 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER, DIFFERENTIAL ARRAY NO 3
345 DEGREES
EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
PEAK VALUES: ACCEL=76.37 CM/SEC/SEC, VELOCITY=-6.51 CM/SEC, DISPL=1.12 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
 HOLLISTER, DIFFERENTIAL ARRAY NO 4
 255 DEGREES
 EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
 BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
 PEAK VALUES: ACCEL=95.65 CM/SEC/SEC, VELOCITY=11.51 CM/SEC, DISPL=1.84 CM

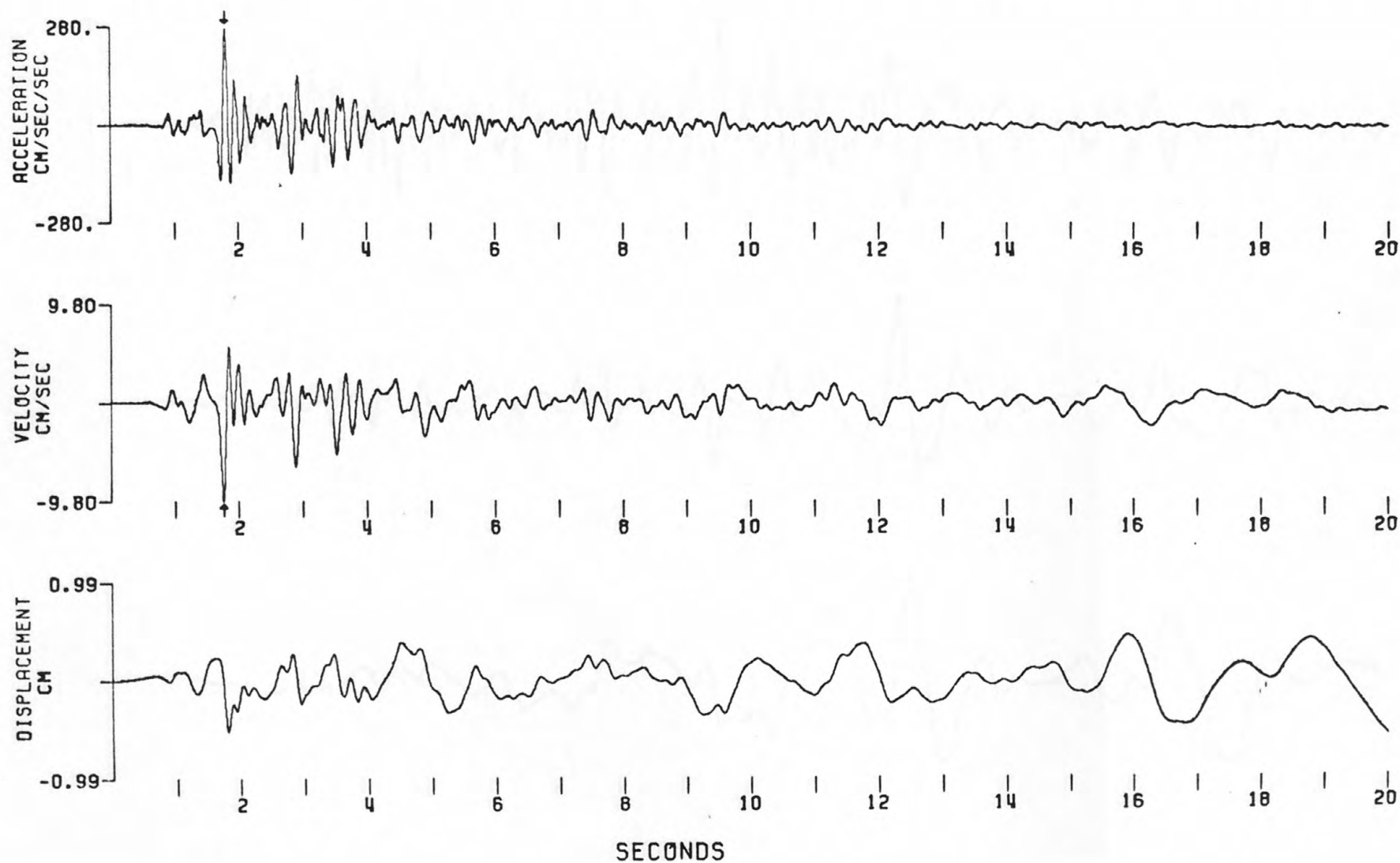


CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER, DIFFERENTIAL ARRAY NO 4

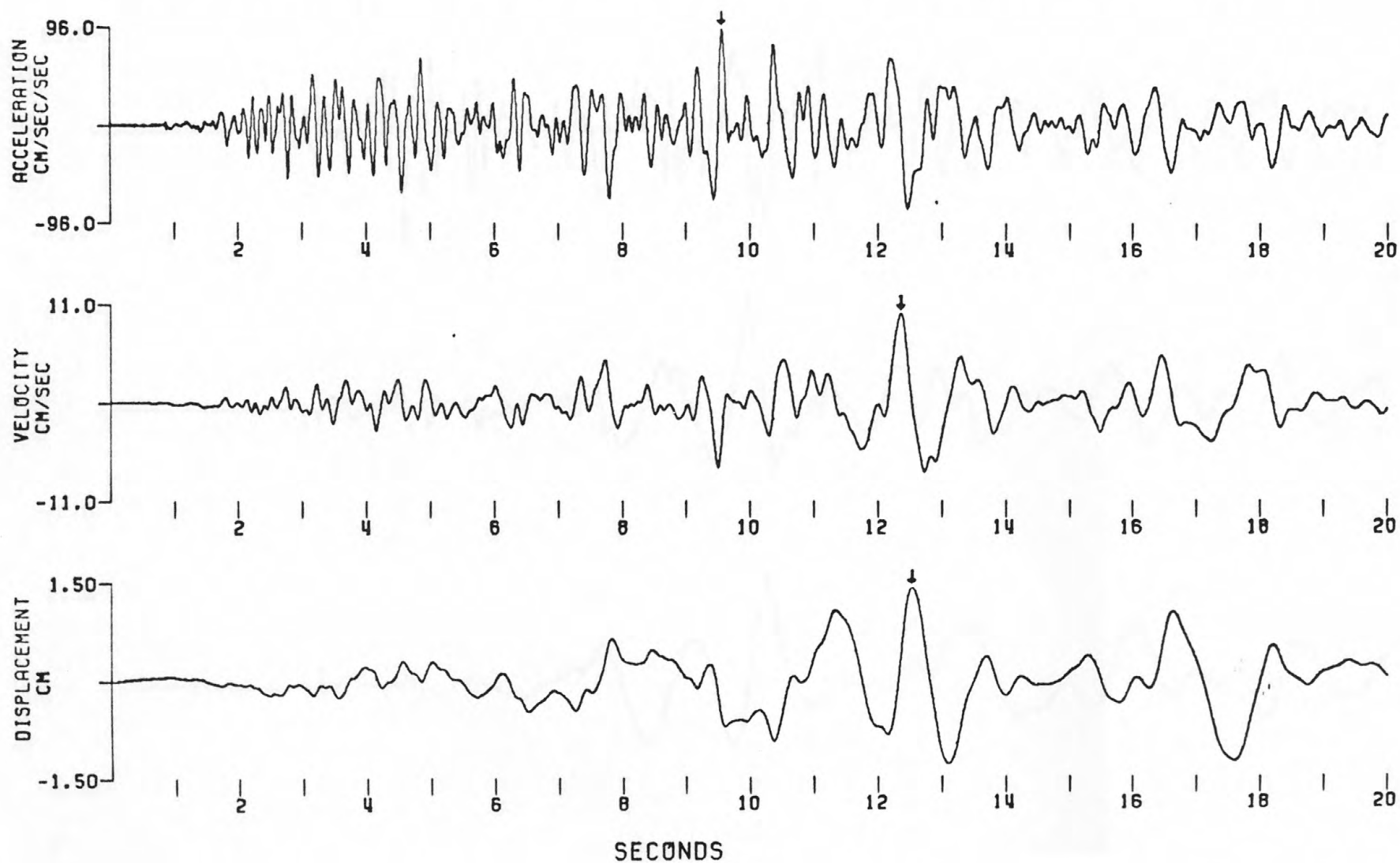
EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC

BUTTERWORTH FILTER AT .25 HZ, ORDER = 8

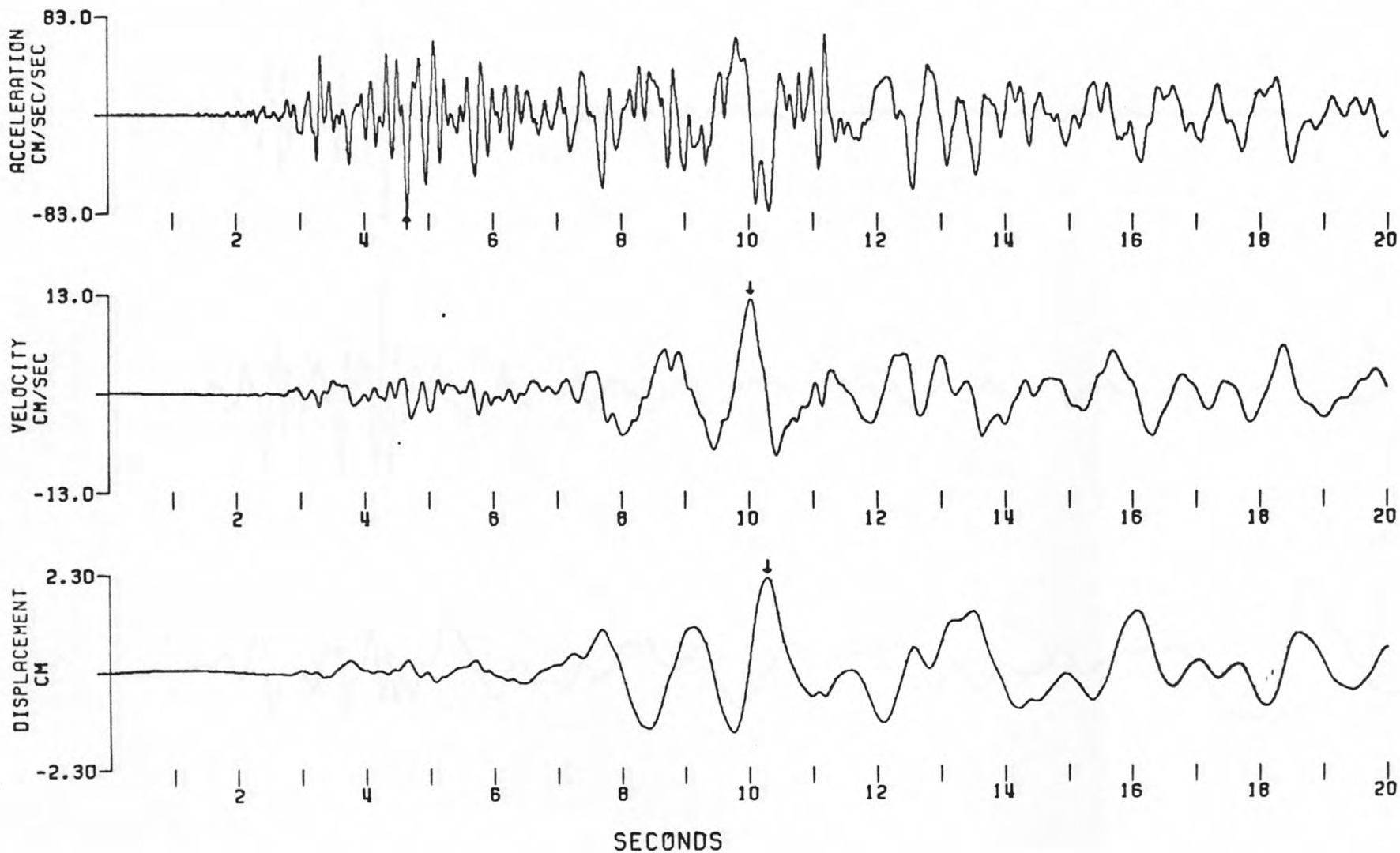
PEAK VALUES: ACCEL=276.56 CM/SEC/SEC, VELOCITY=-9.80 CM/SEC, DISPL=-0.99 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER, DIFFERENTIAL ARRAY NO 4
345 DEGREES
EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
PEAK VALUES: ACCEL=95.54 CM/SEC/SEC, VELOCITY=10.19 CM/SEC, DISPL=1.42 CM



CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER, DIFFERENTIAL ARRAY NO 5
255 DEGREES
EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
PEAK VALUES: ACCEL=-82.91 CM/SEC/SEC, VELOCITY=12.62 CM/SEC, DISPL=2.21 CM

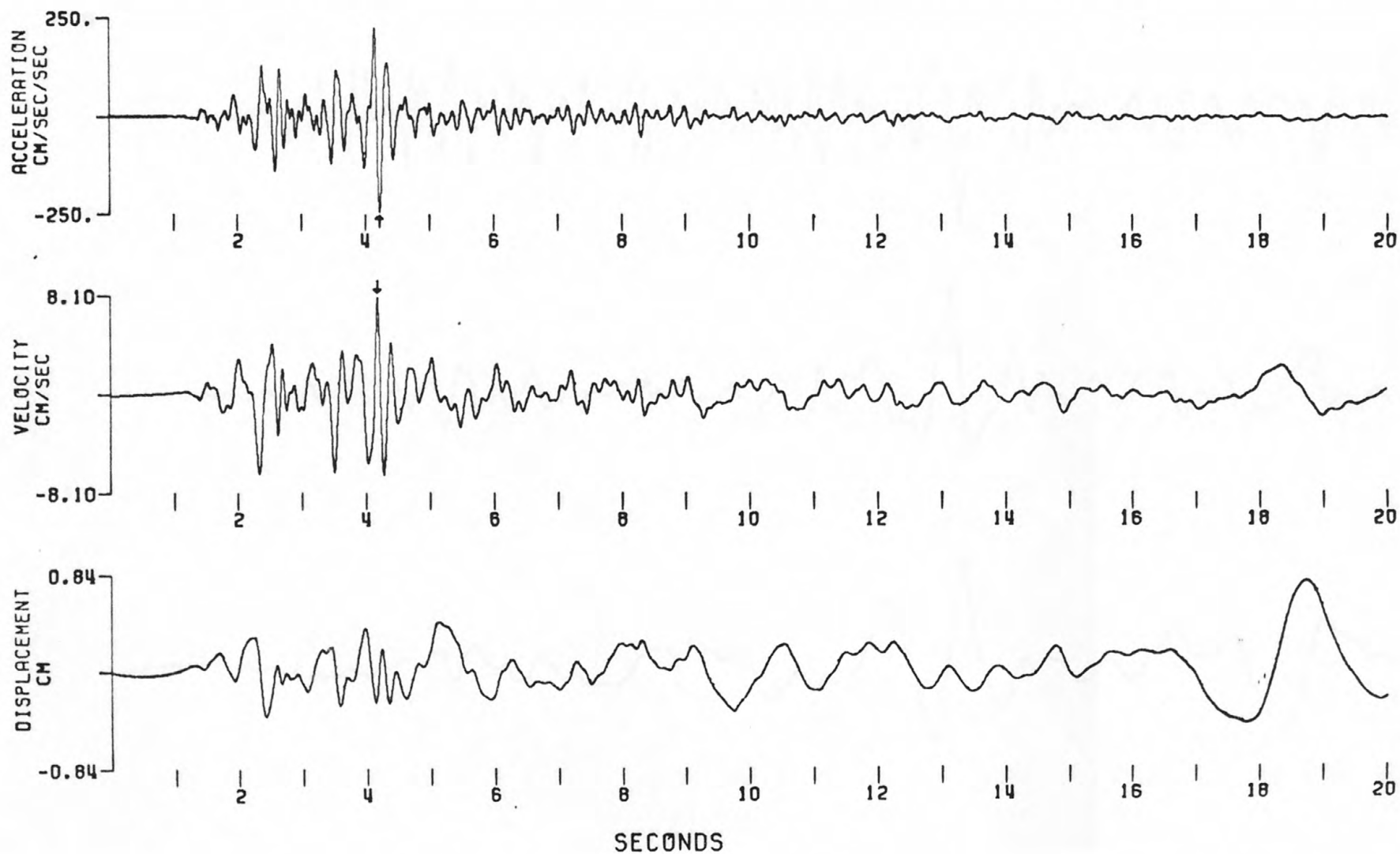


CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER, DIFFERENTIAL ARRAY NO 5

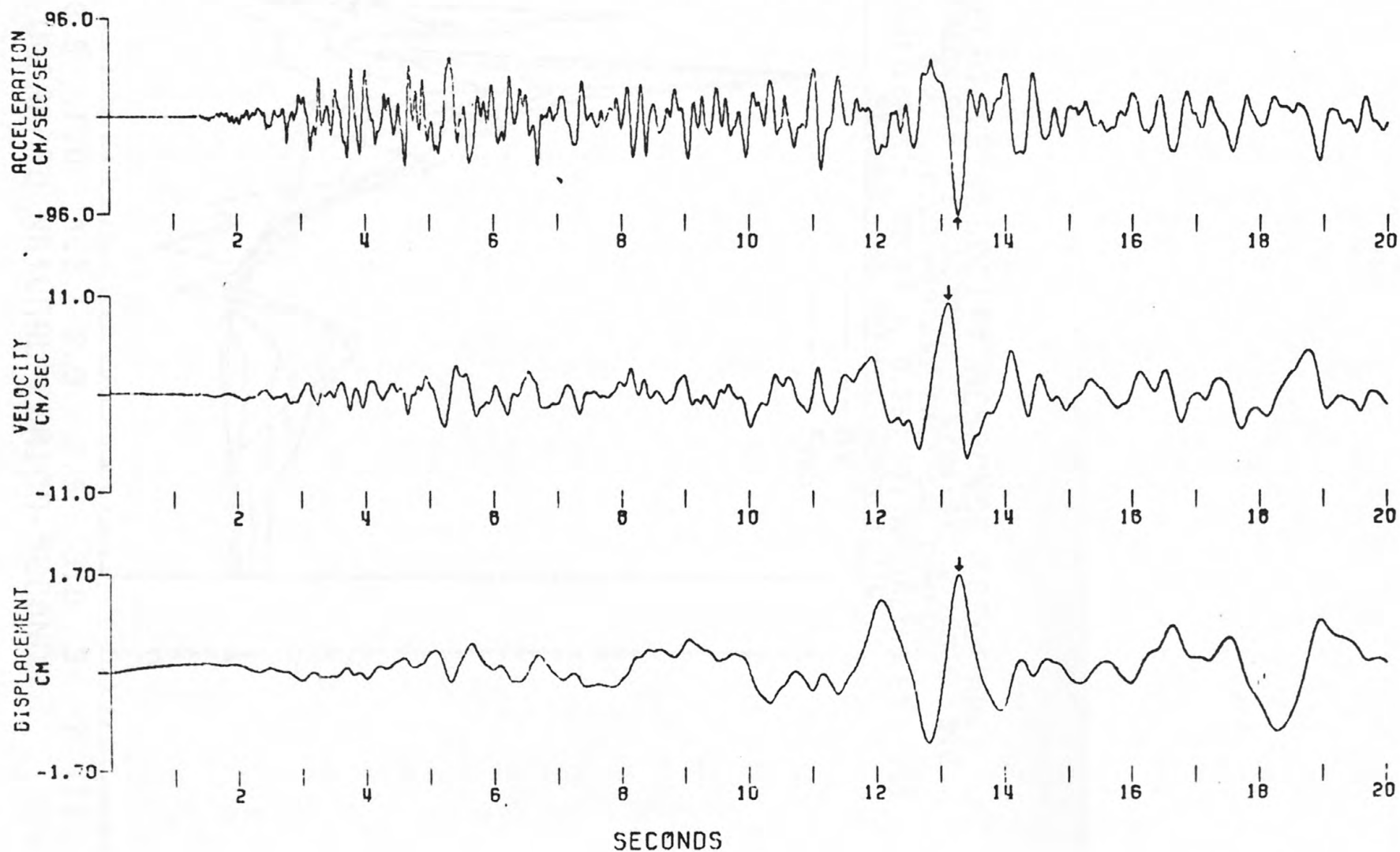
UP
EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC

BUTTERWORTH FILTER AT .25 HZ, ORDER = 8

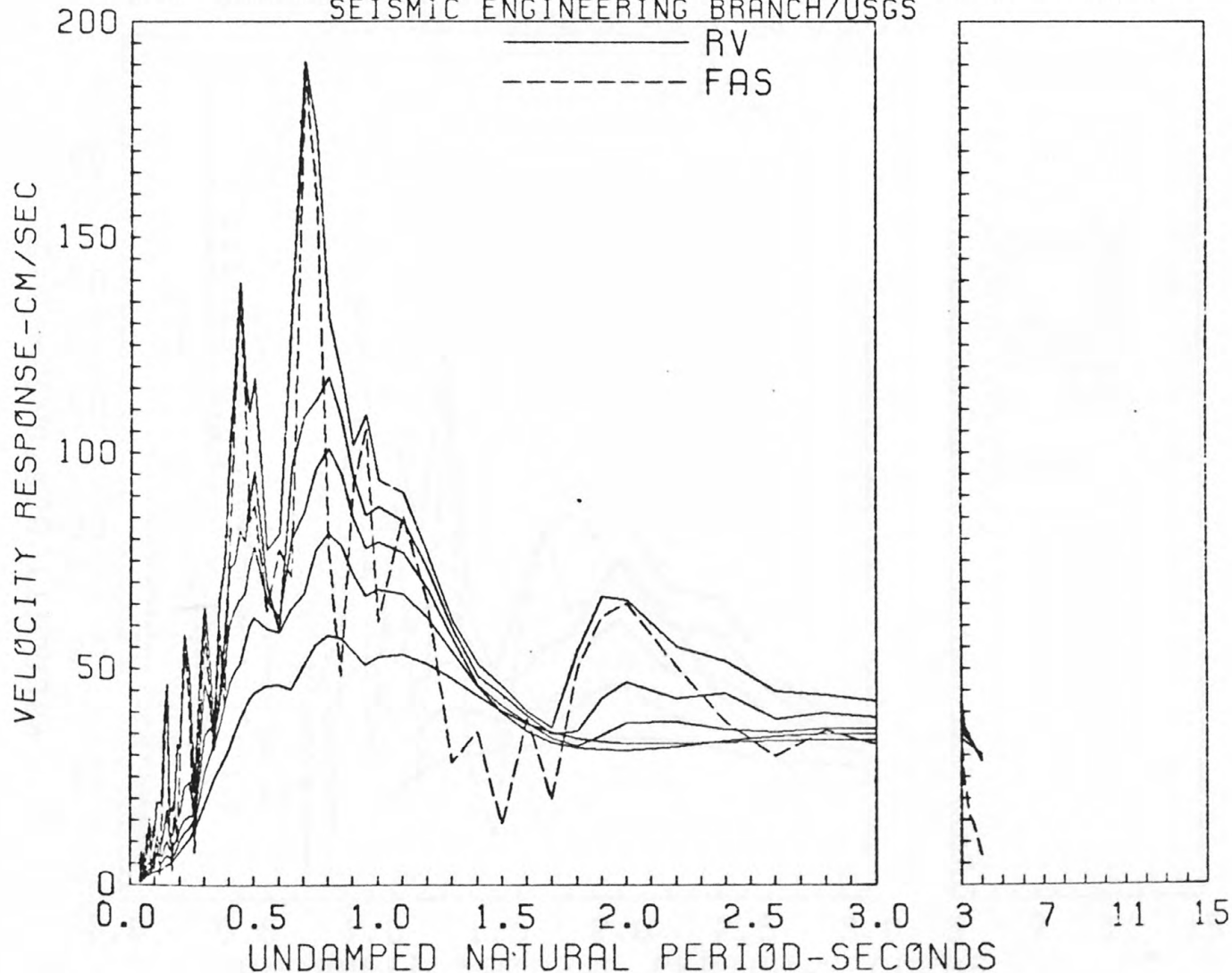
PEAK VALUES: ACCEL=-244.26 CM/SEC/SEC, VELOCITY=8.03 CM/SEC, DISPL=0.83 CM



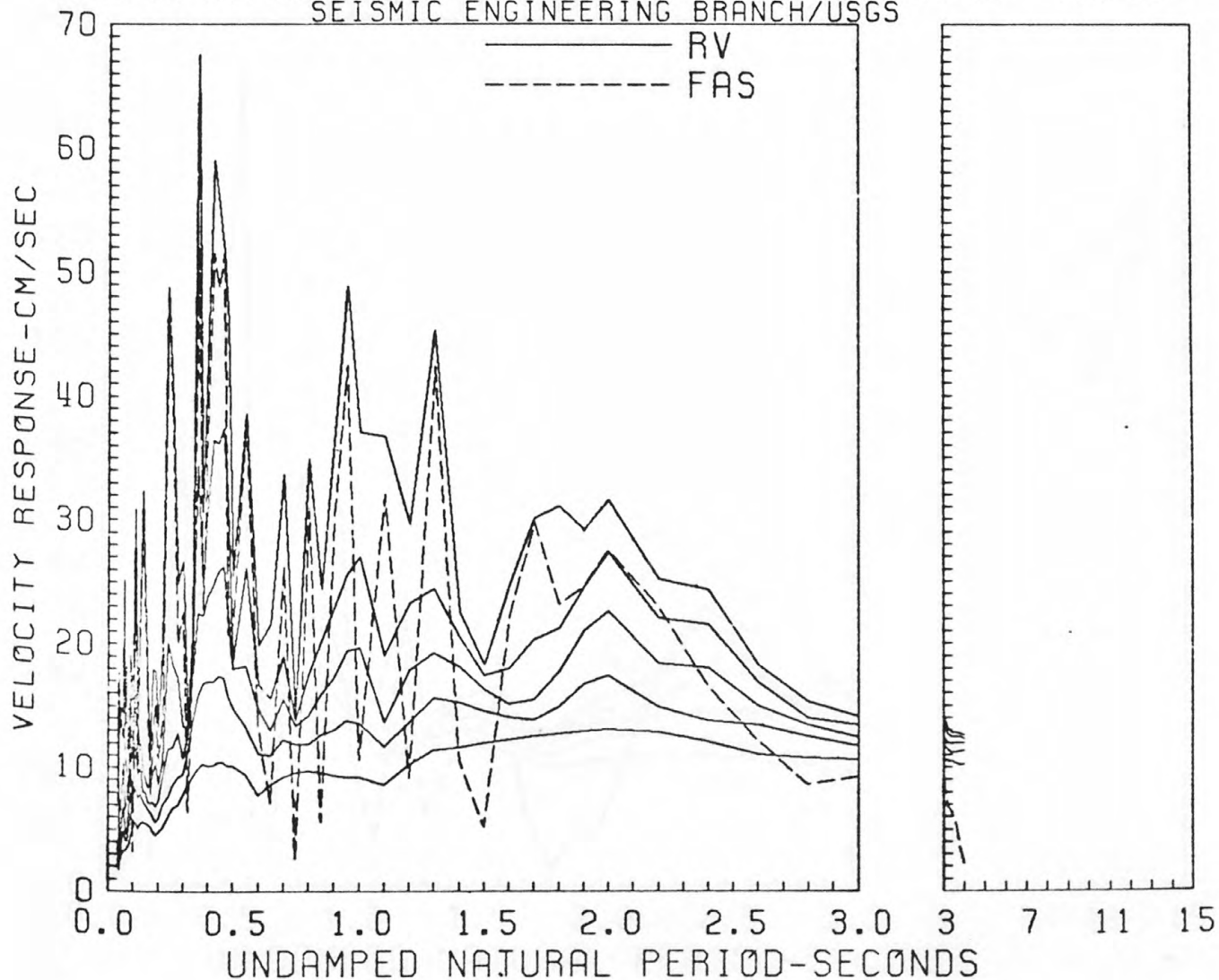
CORRECTED ACCELERATION, VELOCITY, AND DISPLACEMENT 200.00 SPS
HOLLISTER, DIFFERENTIAL ARRAY NO 5
345 DEGREES
EARTHQUAKE OF APRIL 24, 1984, 2115:17 UTC
BUTTERWORTH FILTER AT .25 HZ, ORDER = 8
PEAK VALUES: ACCEL=-95.45 CM/SEC/SEC, VELOCITY=10.28 CM/SEC, DISPL=1.65 CM



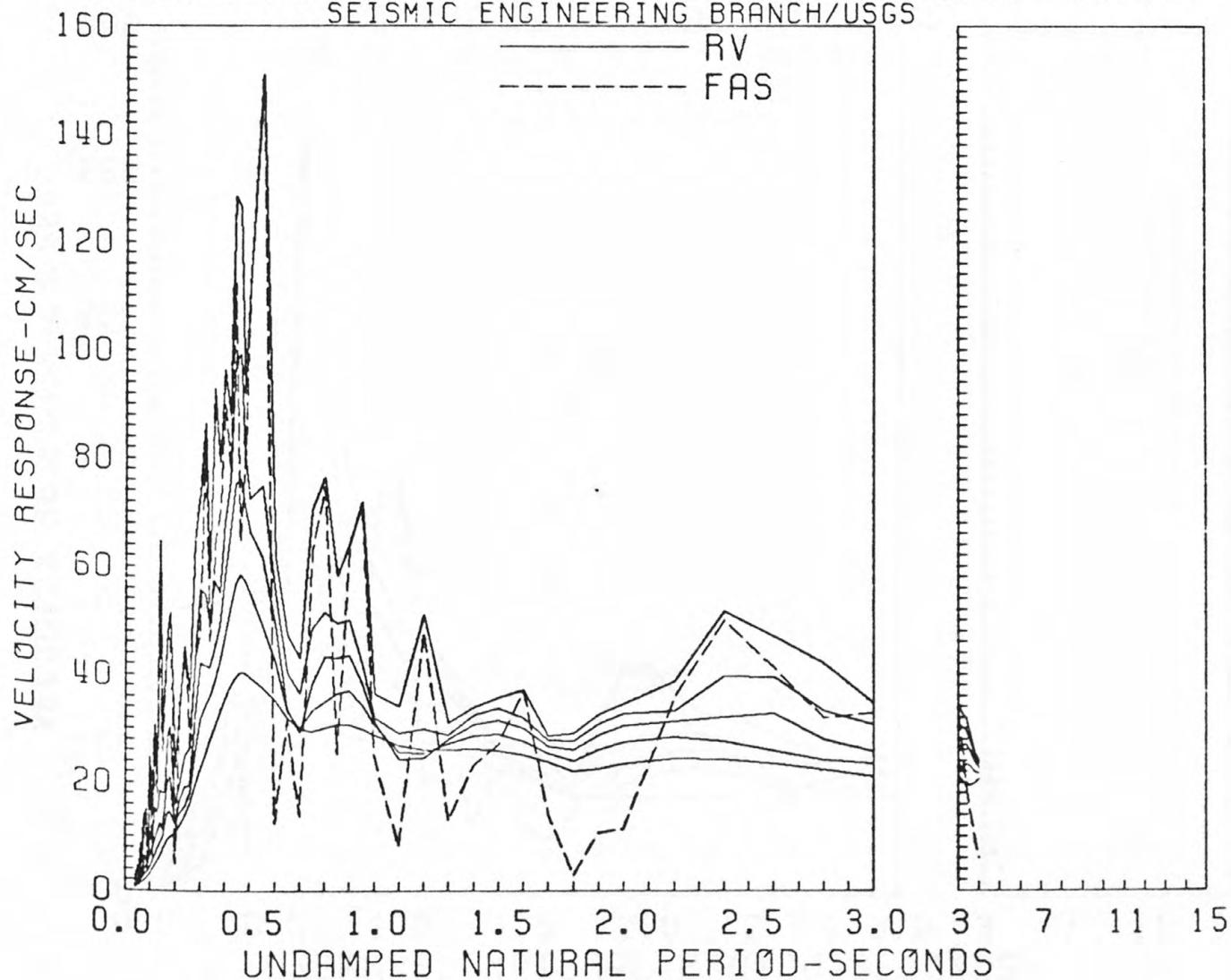
RELATIVE VELOCITY RESPONSE SPECTRUM
 ANDERSON DAM - DOWNSTREAM, 4/24/84, 2115UTC 340
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



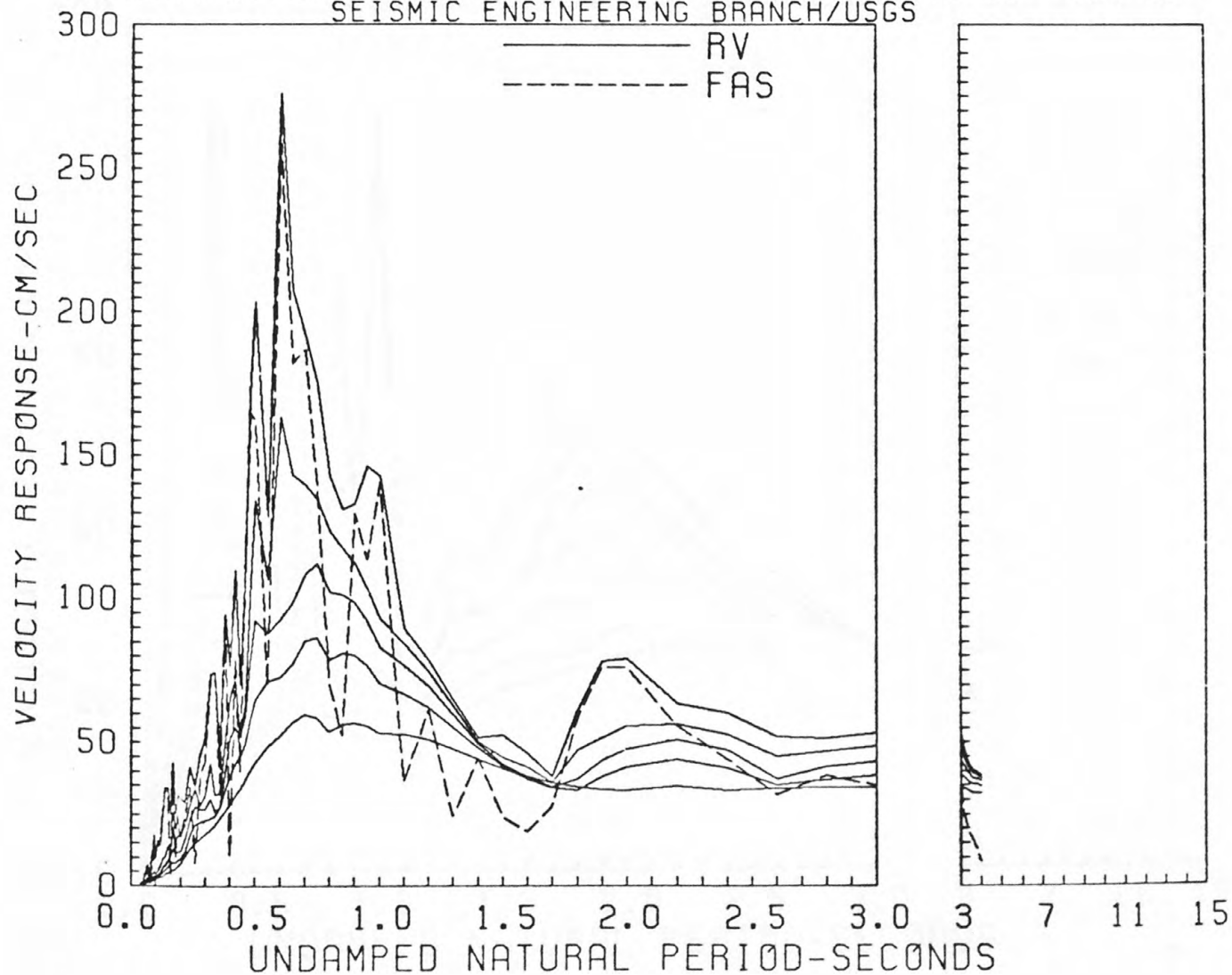
RELATIVE VELOCITY RESPONSE SPECTRUM
 ANDERSON DAM - DOWNSTREAM, 4/24/84, 2115UTC UP
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



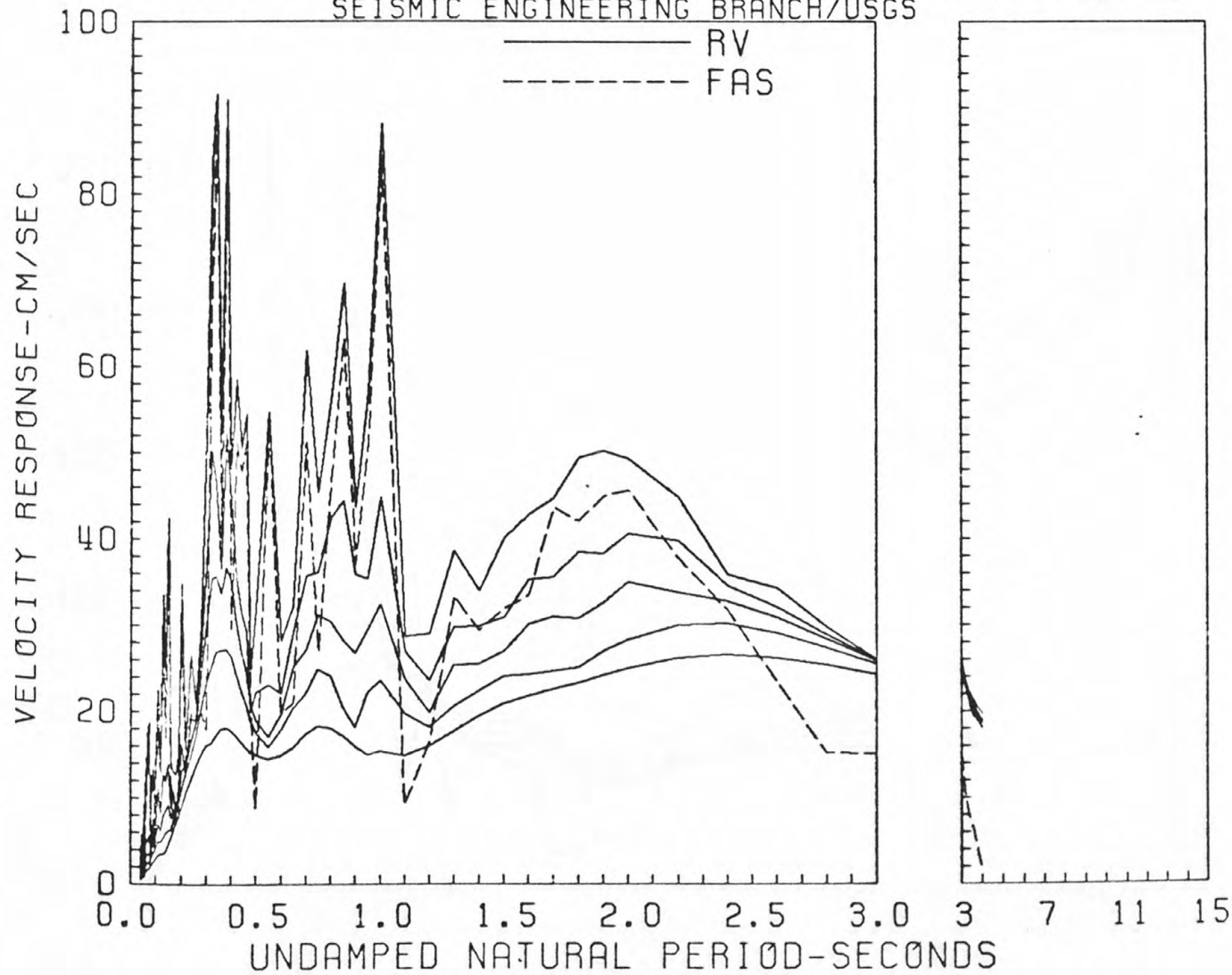
RELATIVE VELOCITY RESPONSE SPECTRUM
 ANDERSON DAM - DOWNSTREAM, 4/24/84, 2115UTC 250
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



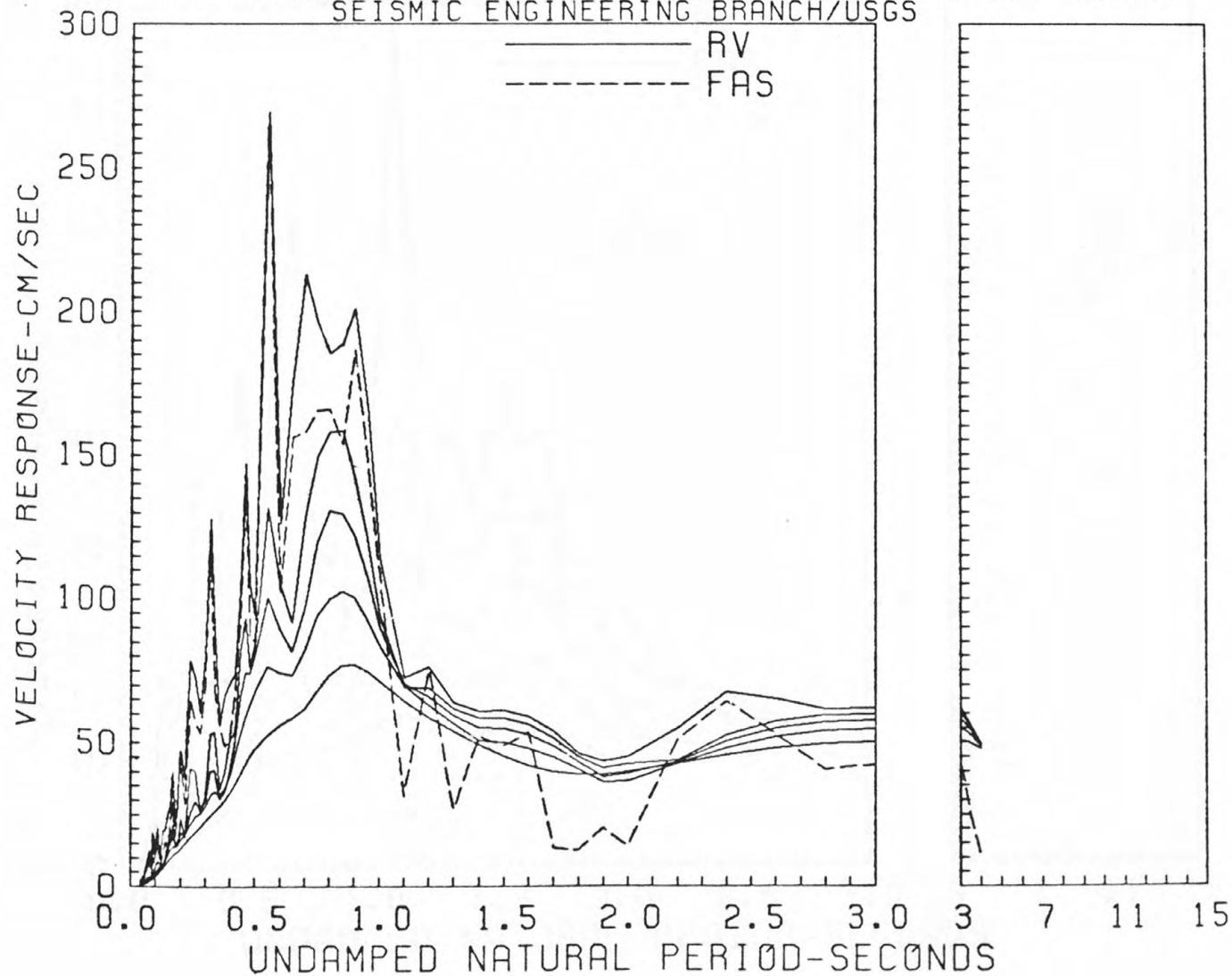
RELATIVE VELOCITY RESPONSE SPECTRUM
 ANDERSON DAM - CREST, 4/24/84, 2115UTC 340
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



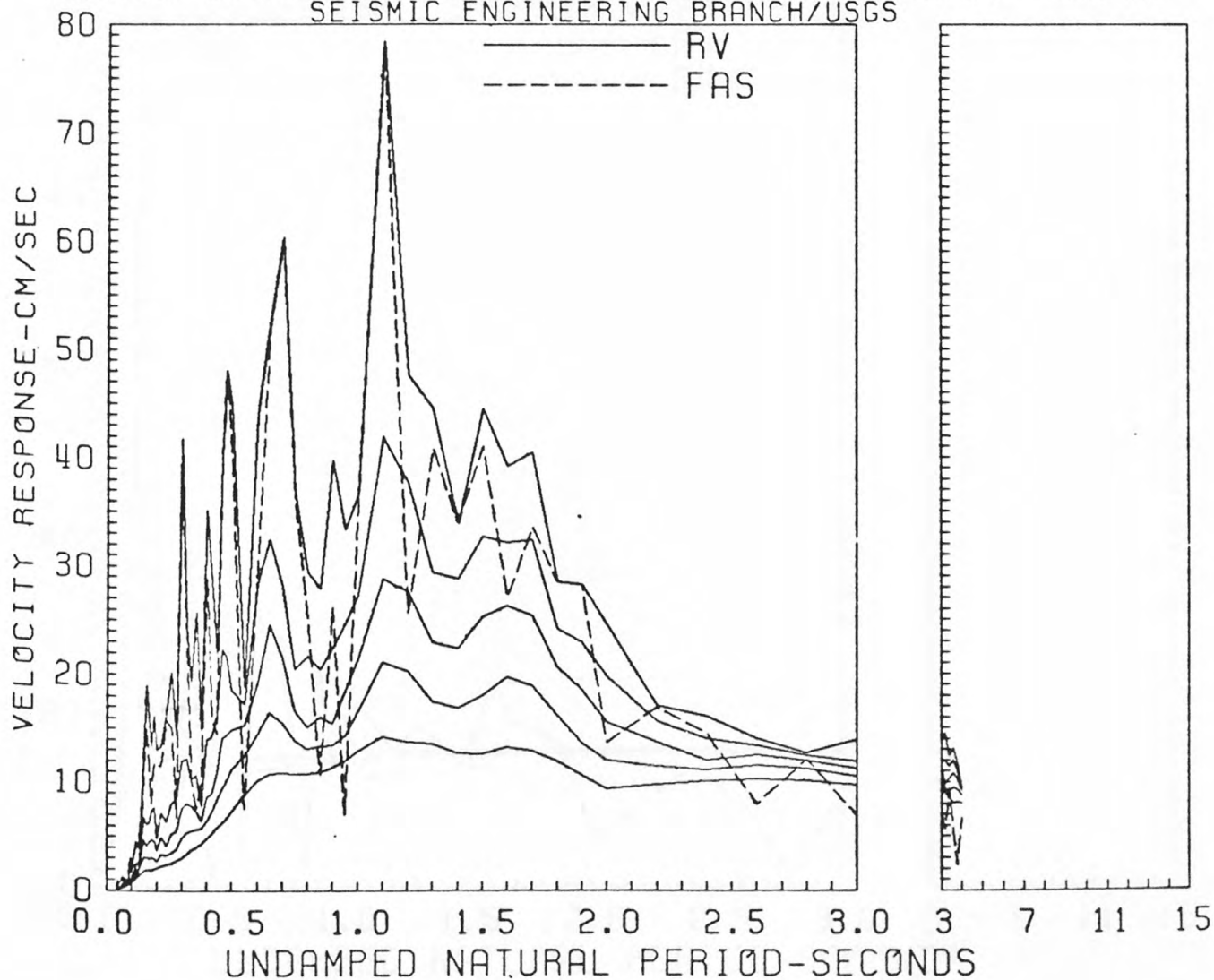
RELATIVE VELOCITY RESPONSE SPECTRUM
 ANDERSON DAM - CREST, 4/24/84, 2115UTC UP
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



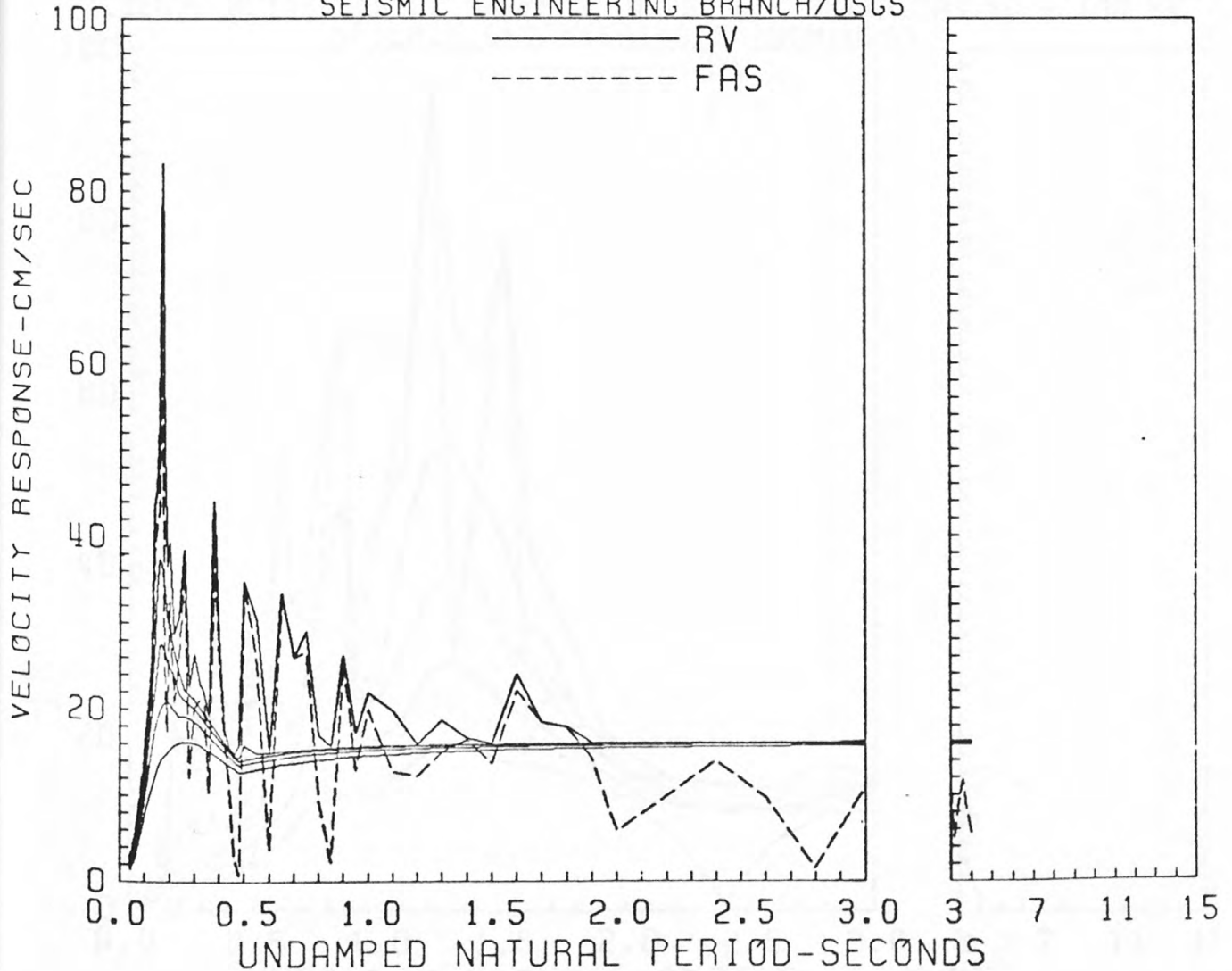
RELATIVE VELOCITY RESPONSE SPECTRUM
 ANDERSON DAM - CREST, 4/24/84, 2115UTC 250
 0.2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



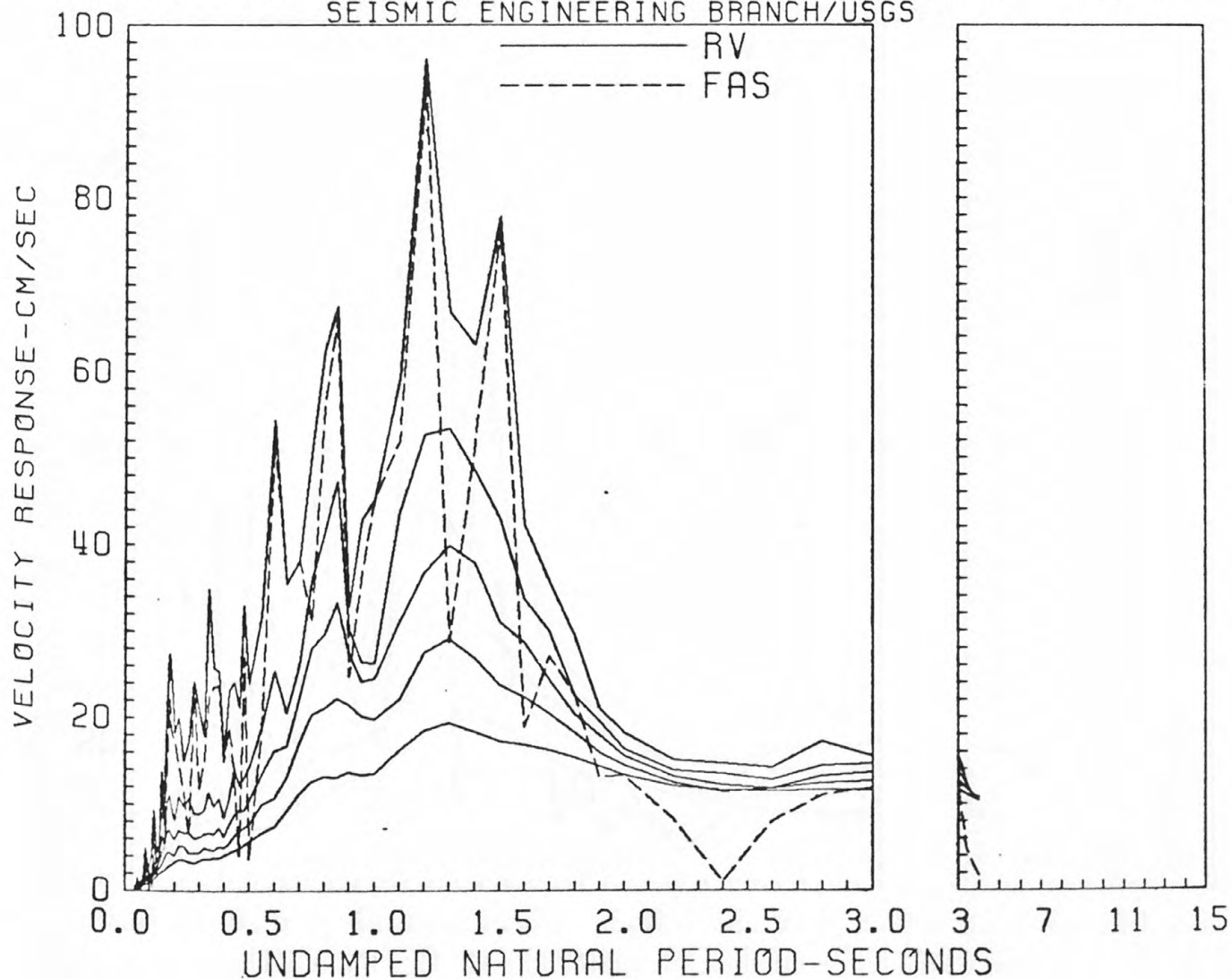
RELATIVE VELOCITY RESPONSE SPECTRUM
 HOLLISTER CITY HALL ANNEX - BASEMENT, 4/24/84, 2115UTC 1°
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



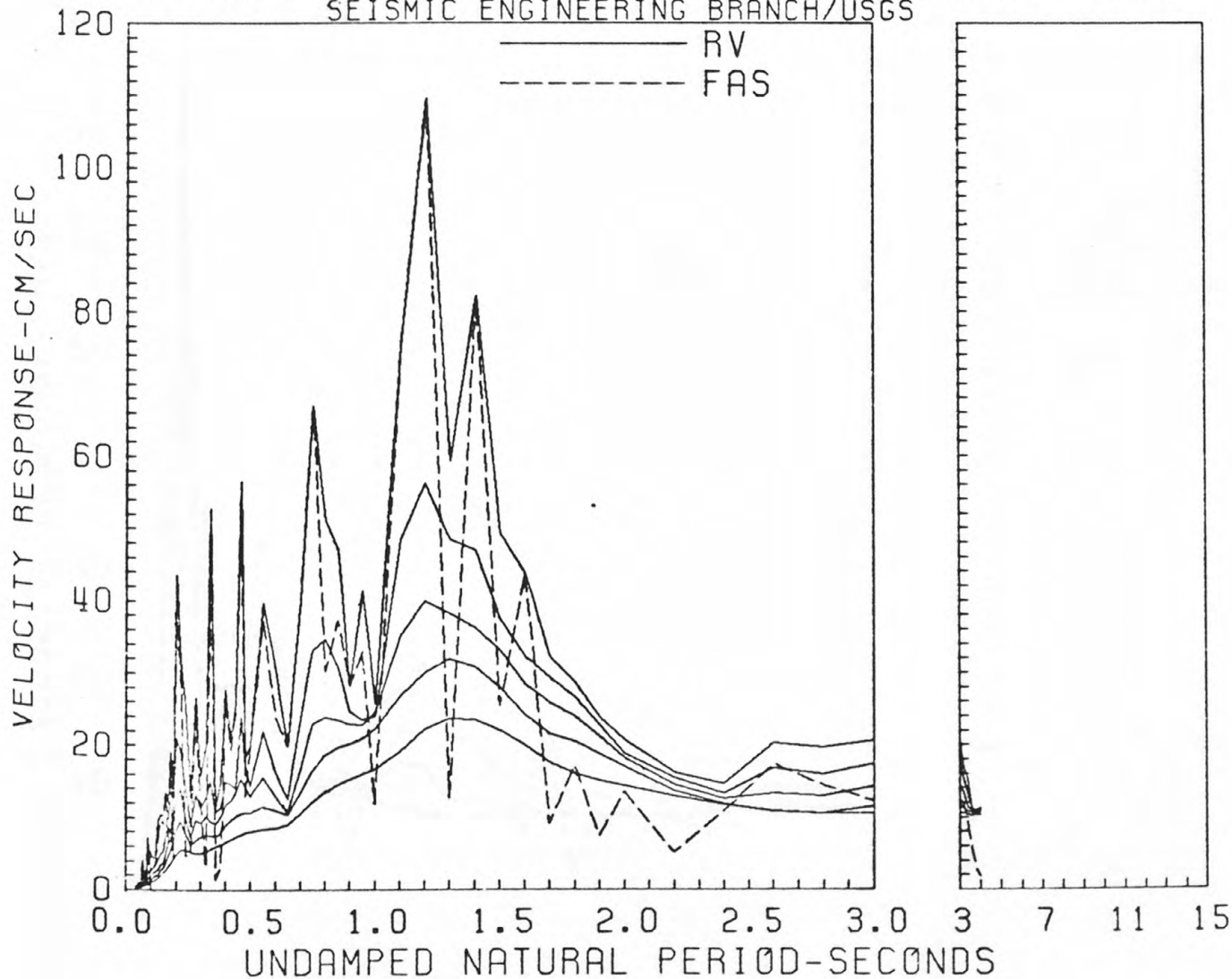
RELATIVE VELOCITY RESPONSE SPECTRUM
 HOLLISTER CITY HALL ANNEX - BASEMENT, 4/24/84, 2115UTC UP
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



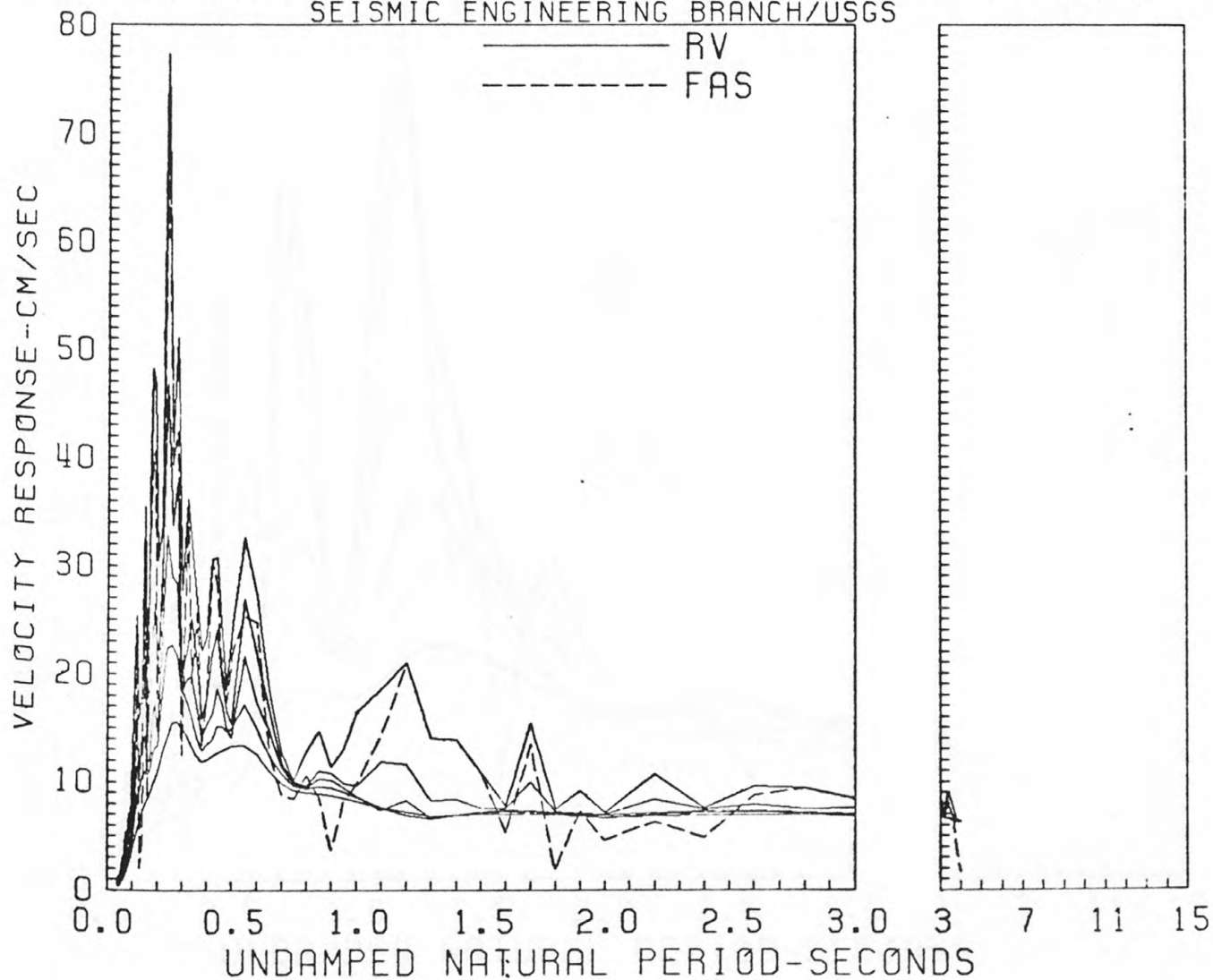
RELATIVE VELOCITY RESPONSE SPECTRUM
 HOLLISTER CITY HALL ANNEX - BASEMENT, 4/24/84, 2115UTC 271°
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



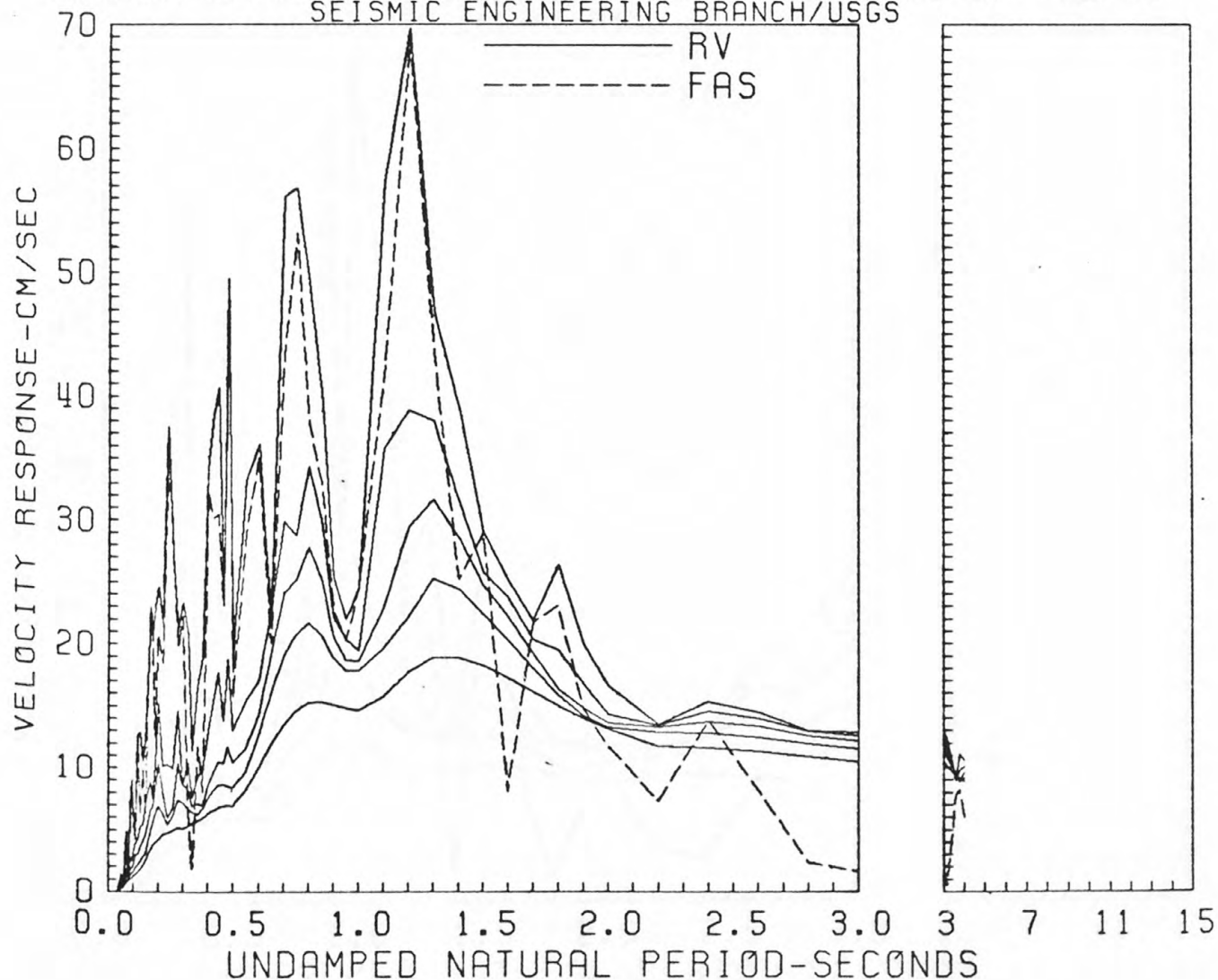
RELATIVE VELOCITY RESPONSE SPECTRUM
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T), 4/24/84, 2115UTC 255
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



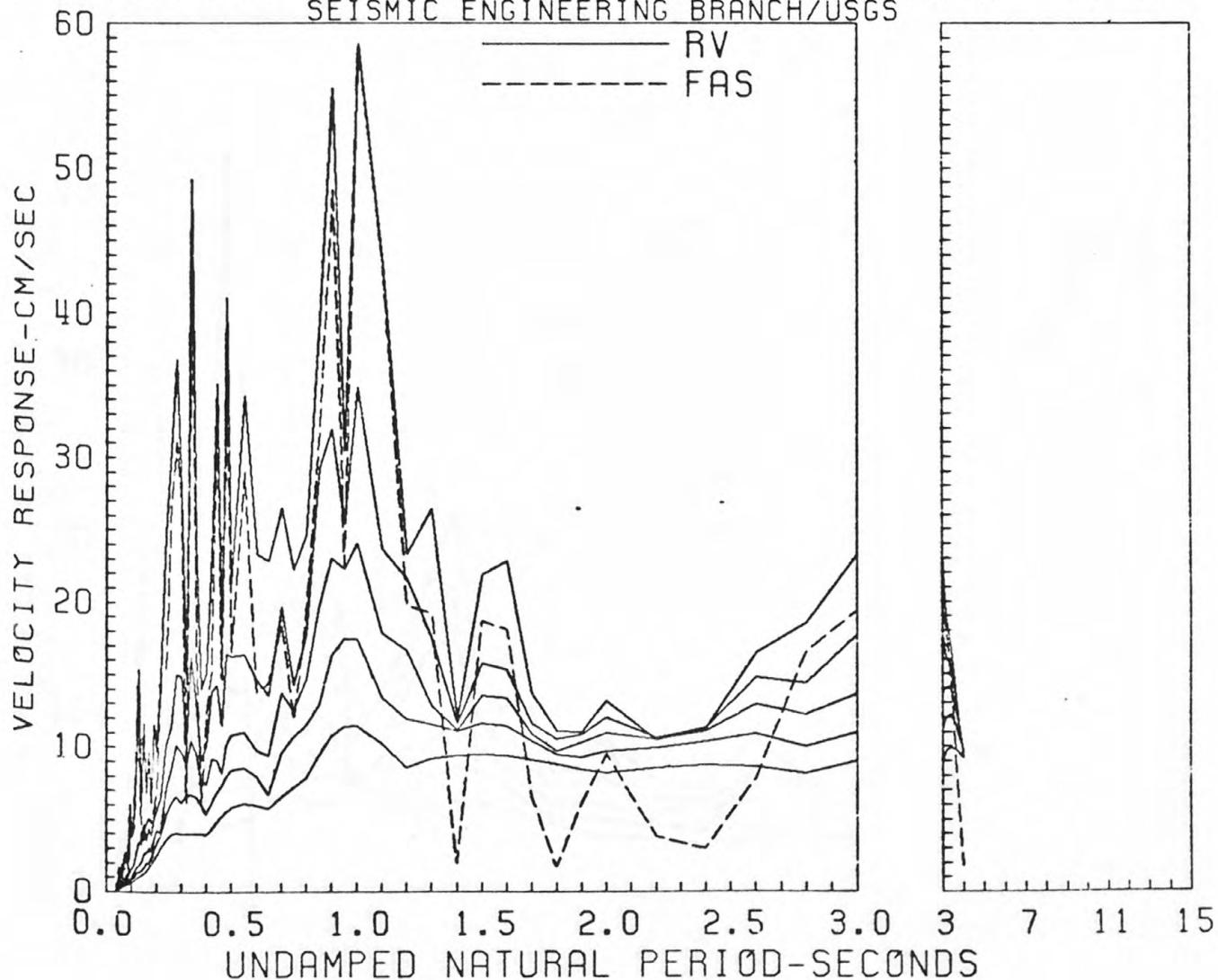
RELATIVE VELOCITY RESPONSE SPECTRUM
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T), 4/24/84, 2115UTC UP
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



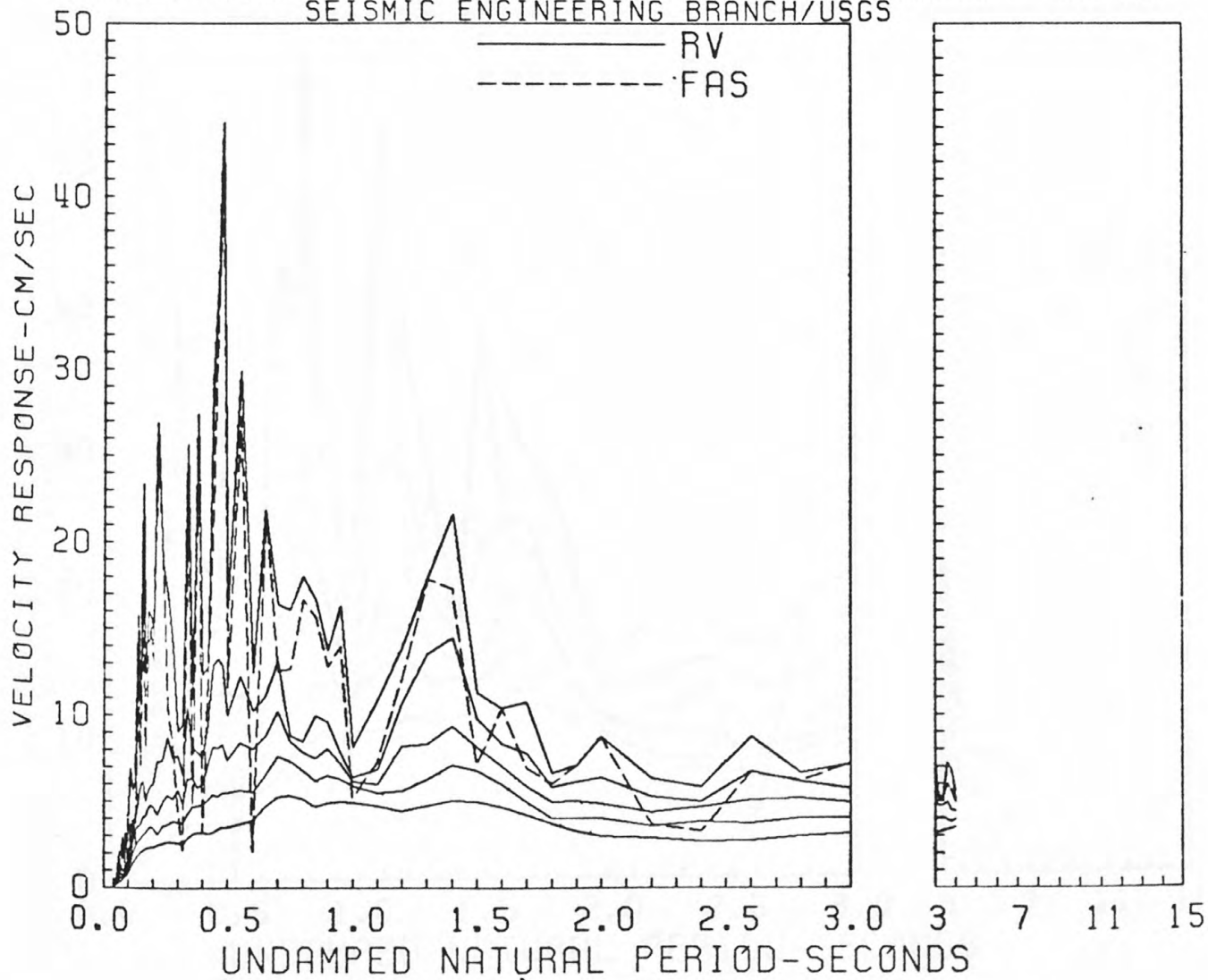
RELATIVE VELOCITY RESPONSE SPECTRUM
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T), 4/24/84, 2115UTC 165
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



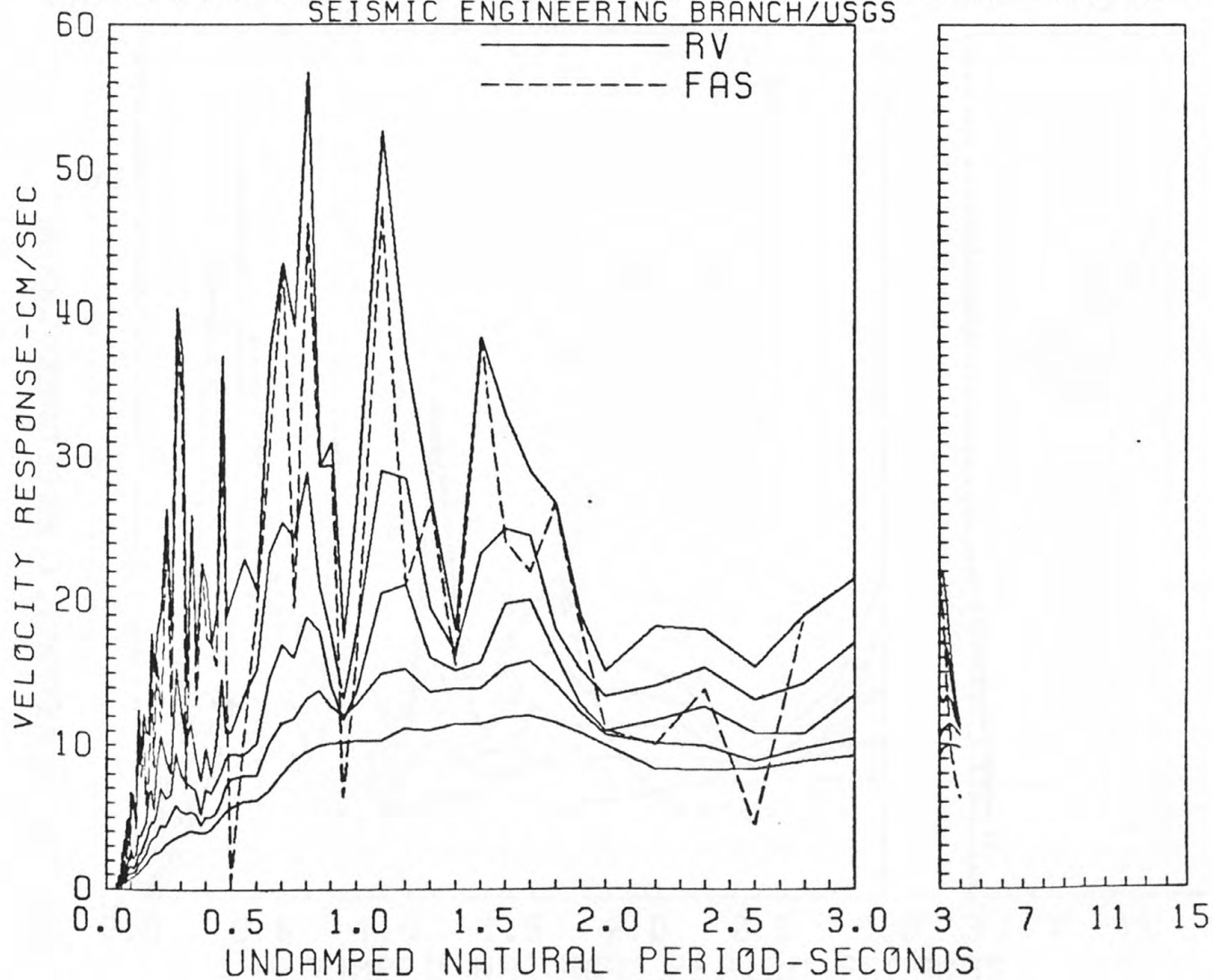
RELATIVE VELOCITY RESPONSE SPECTRUM
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE), 4/24/84, 2115UTC 360
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



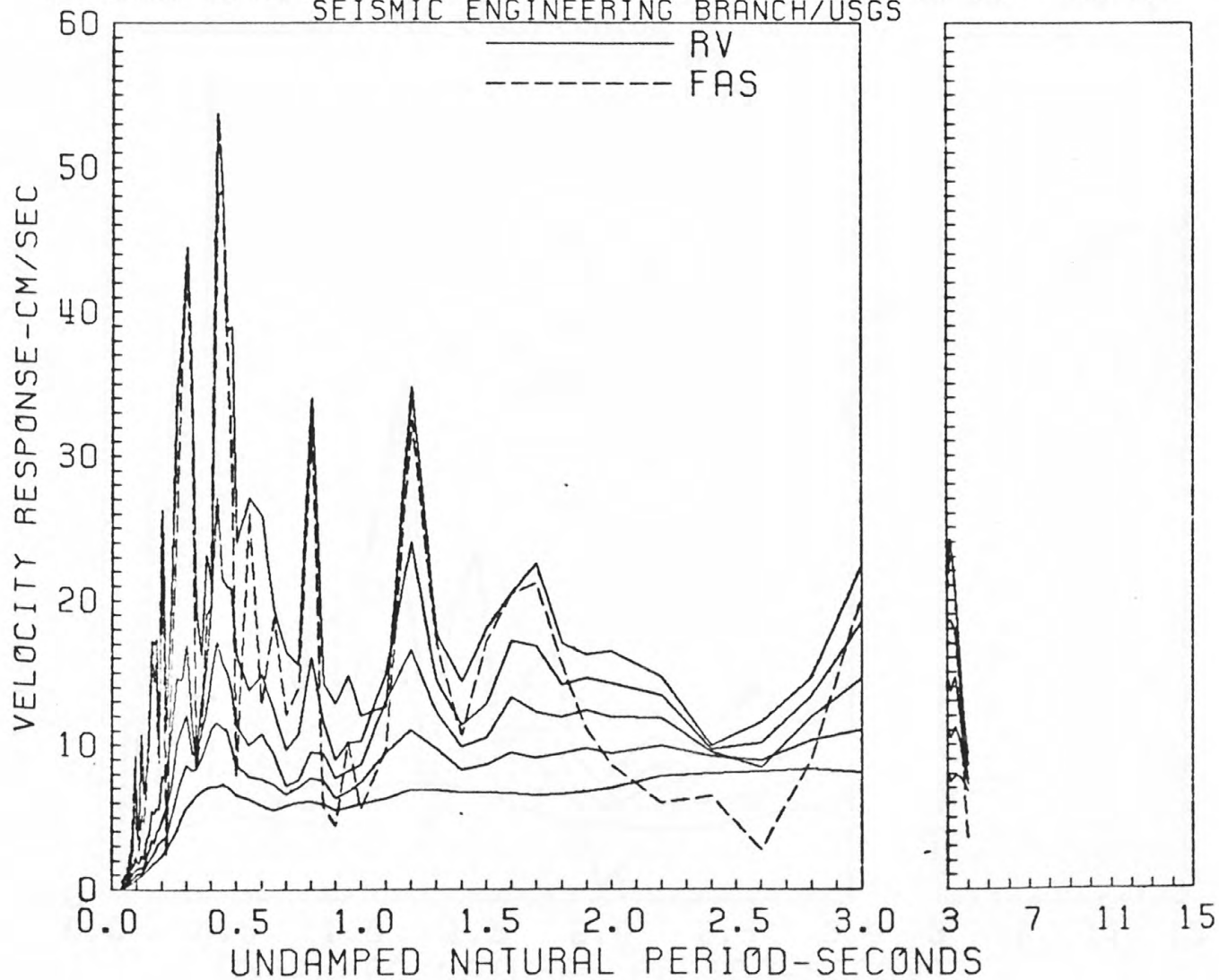
RELATIVE VELOCITY RESPONSE SPECTRUM
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE), 4/24/84, 2115UTC UP
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



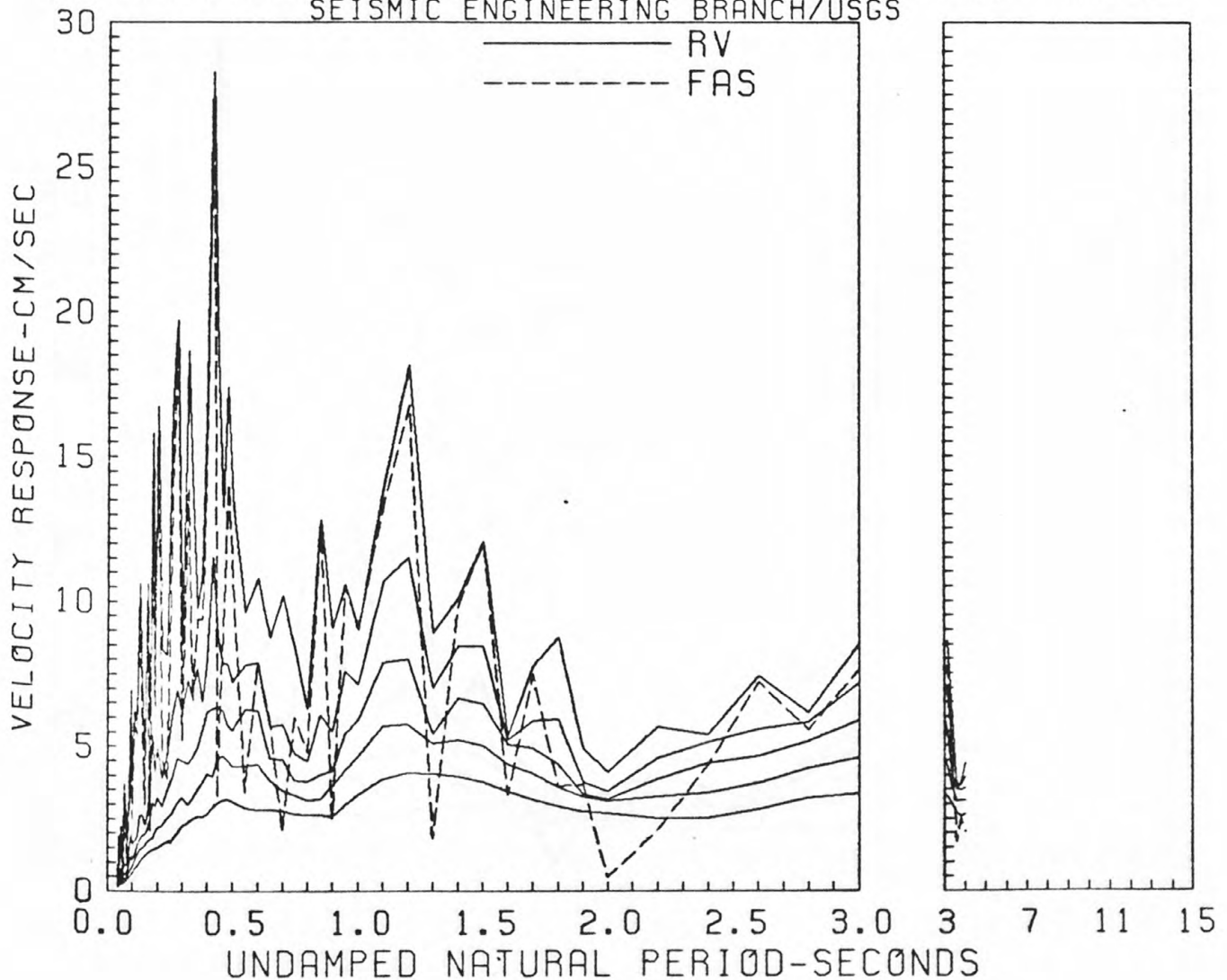
RELATIVE VELOCITY RESPONSE SPECTRUM
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE), 4/24/84, 2115UTC 270
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



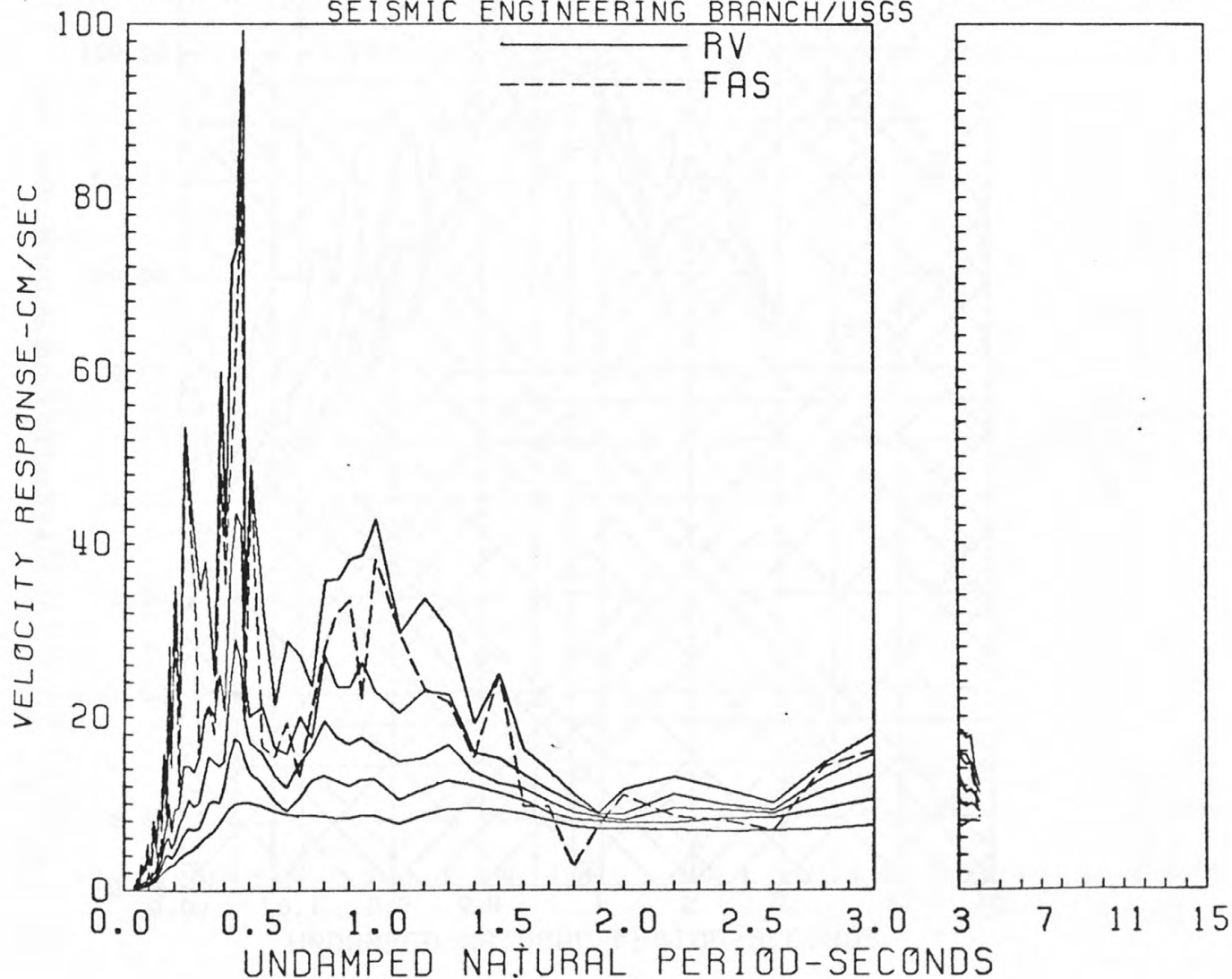
RELATIVE VELOCITY RESPONSE SPECTRUM
 SAN JUSTO DAMSITE - LEFT ABUTMENT, 4/24/84, 2115UTC 360
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



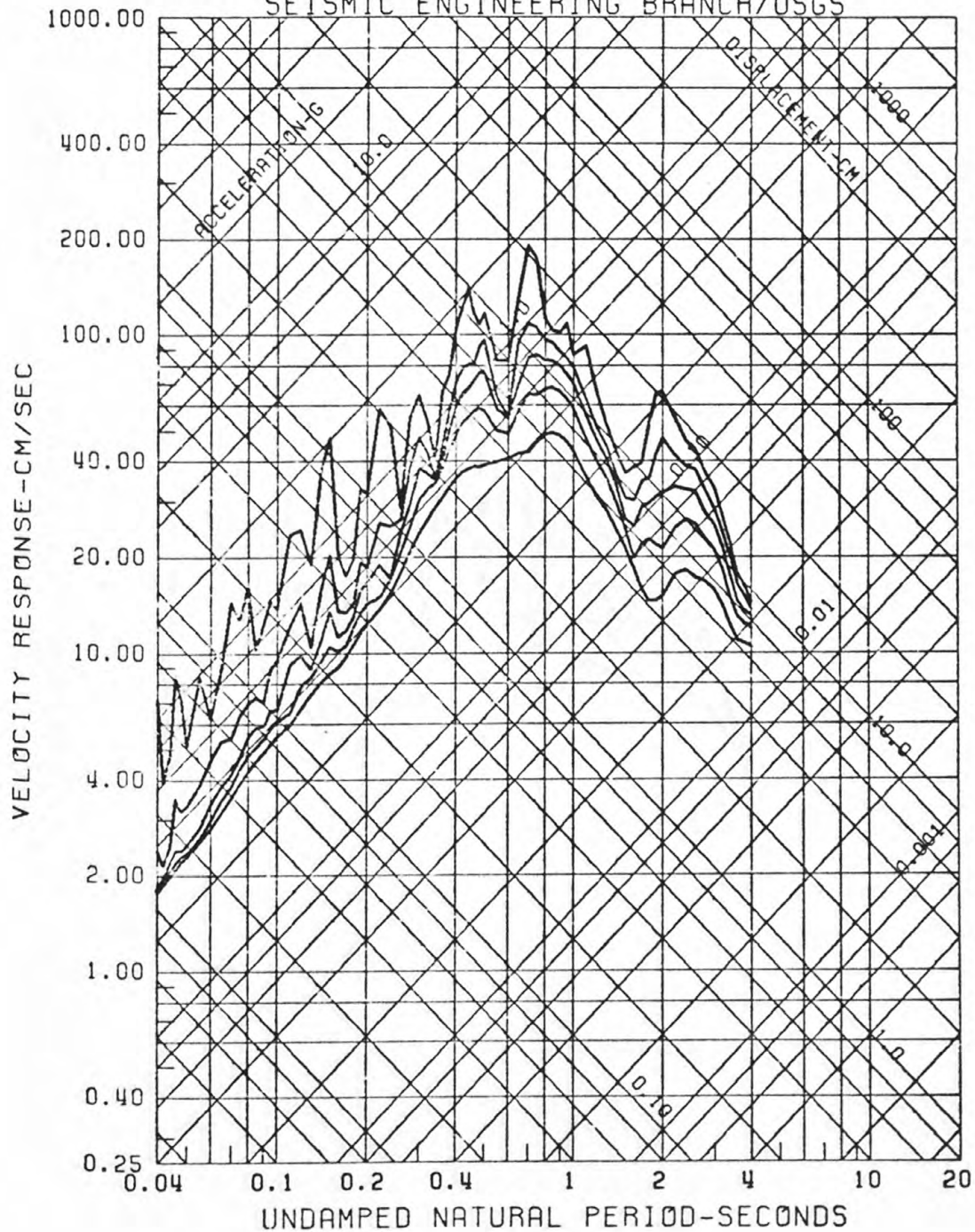
RELATIVE VELOCITY RESPONSE SPECTRUM
 SAN JUSTO DAMSITE - LEFT ABUTMENT, 4/24/84, 2115UTC UP
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



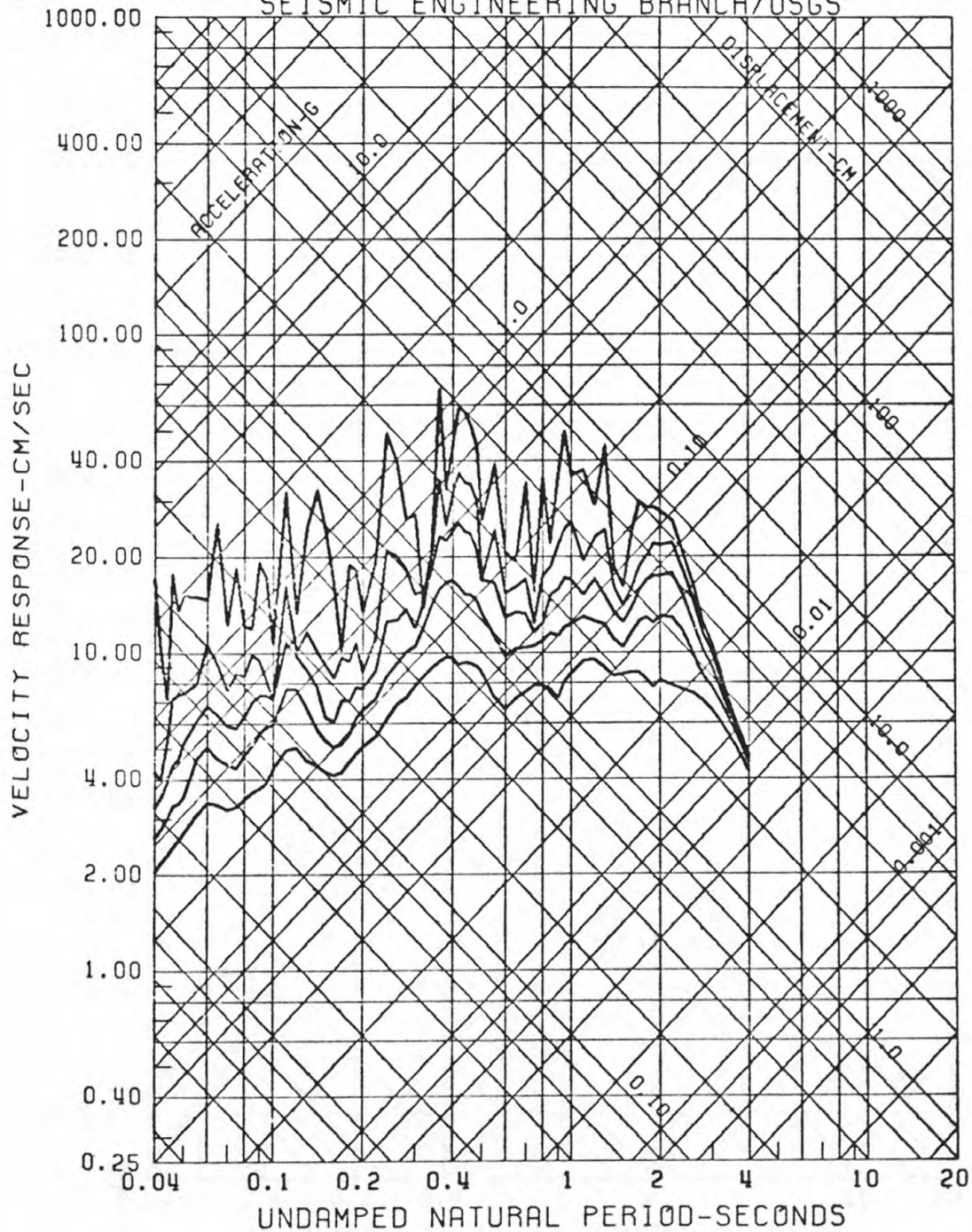
RELATIVE VELOCITY RESPONSE SPECTRUM
 SAN JUSTO DAMSITE - LEFT ABUTMENT, 4/24/84, 2115UTC 270
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



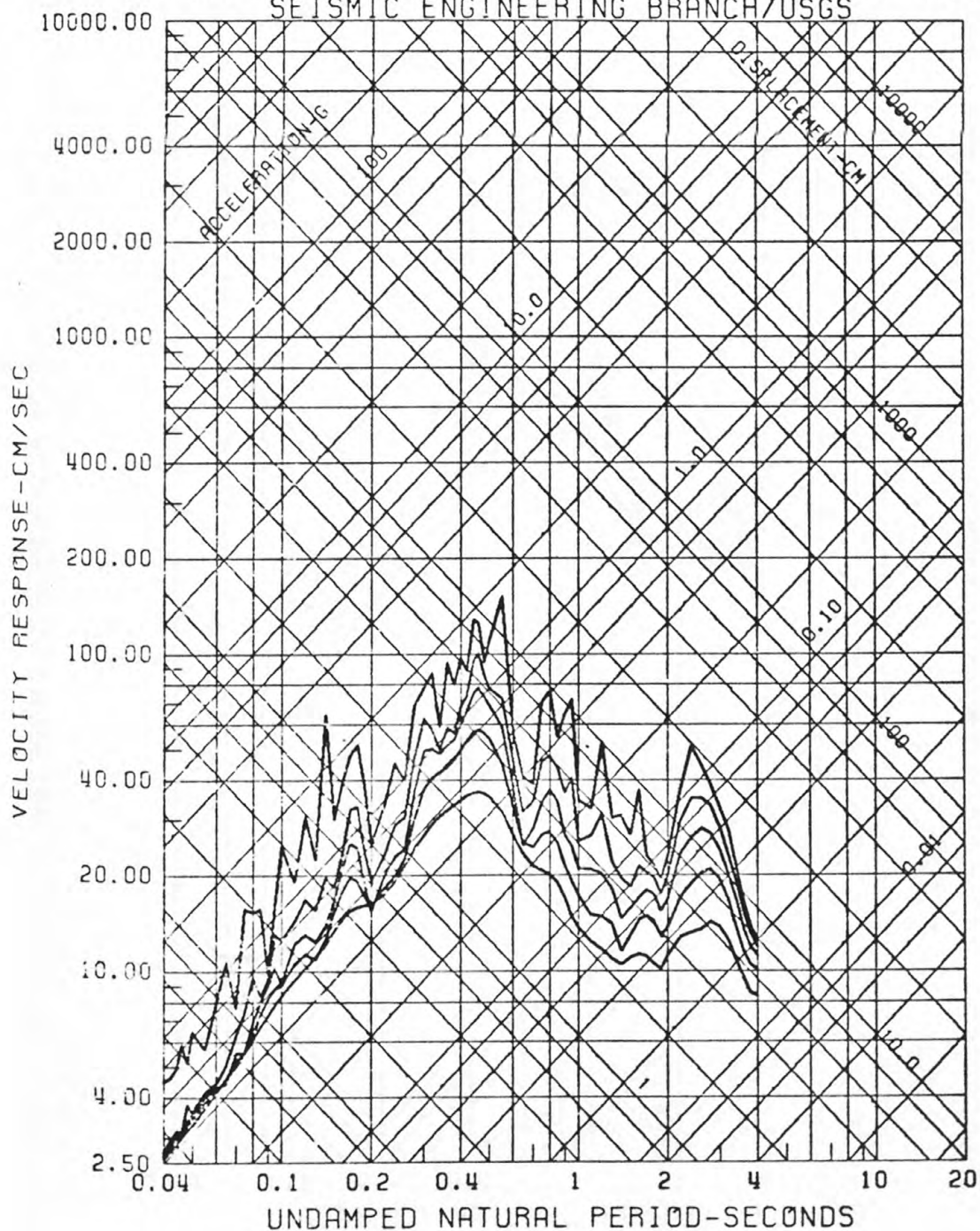
RESPONSE SPECTRA
 ANDERSON DAM - DOWNSTREAM, 4/24/84, 2115UTC 340
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



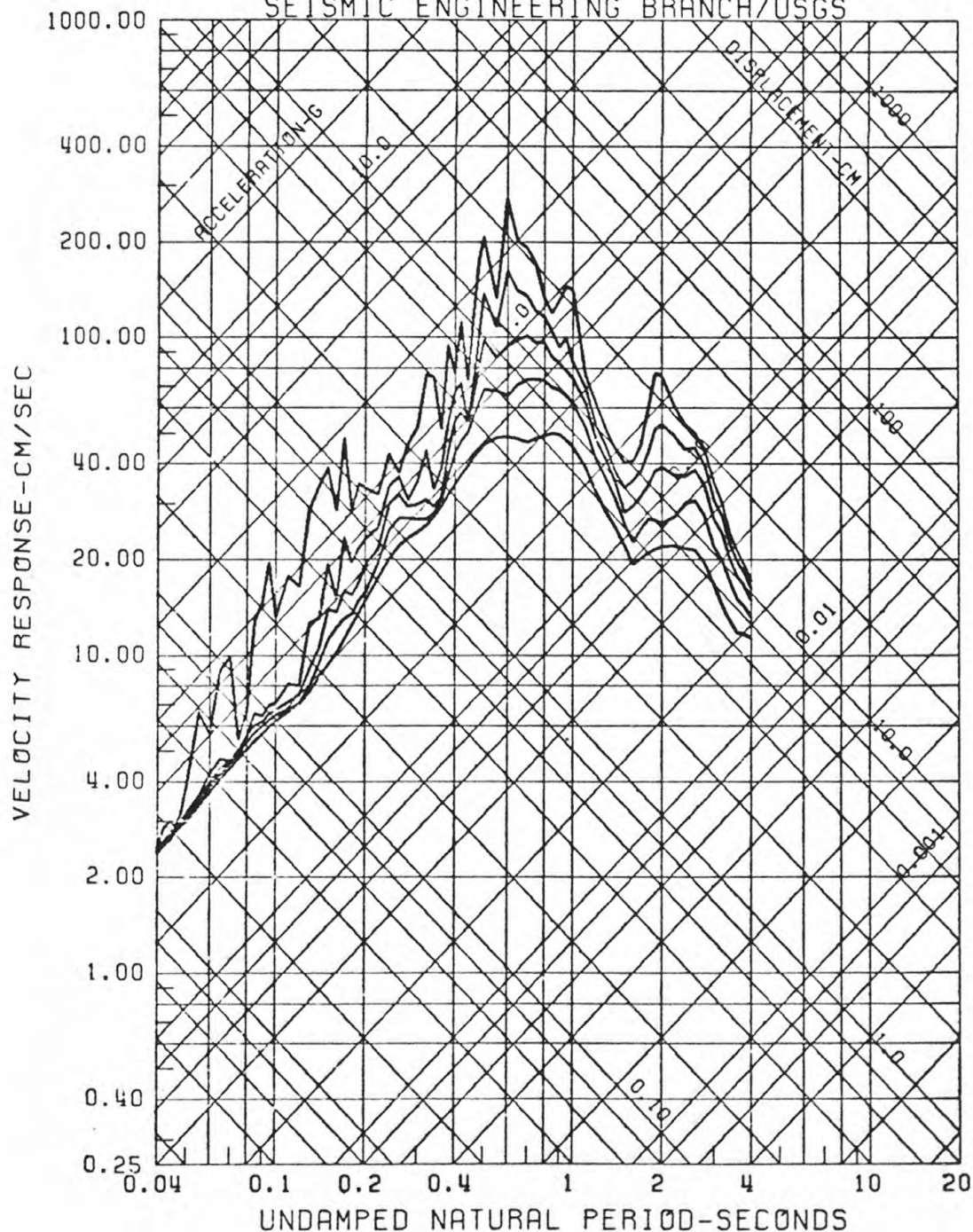
RESPONSE SPECTRA
 ANDERSON DAM - DOWNSTREAM, 4/24/84, 2115UTC UP
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



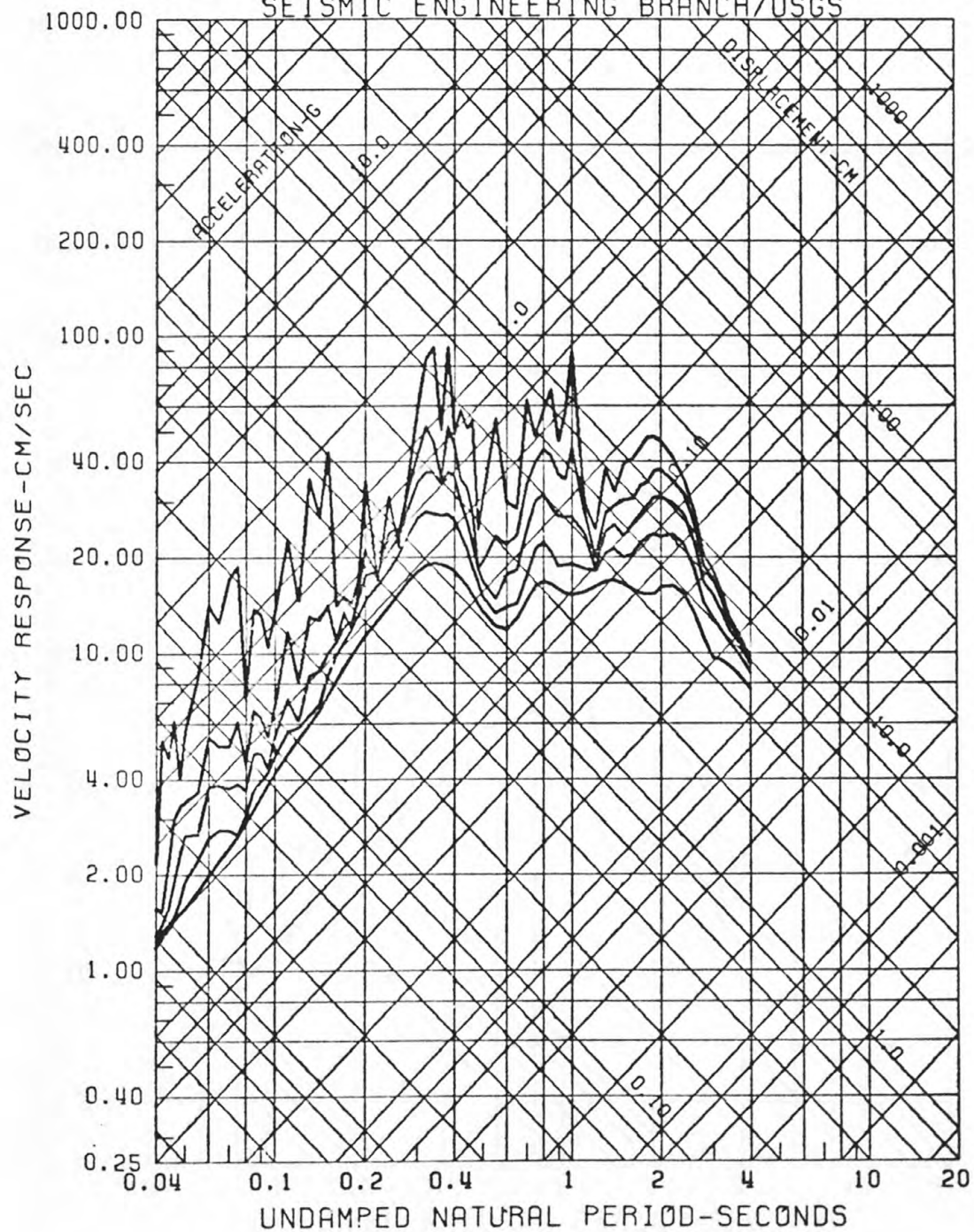
RESPONSE SPECTRA
 ANDERSON DAM - DOWNSTREAM, 4/24/84, 2115UTC 250
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



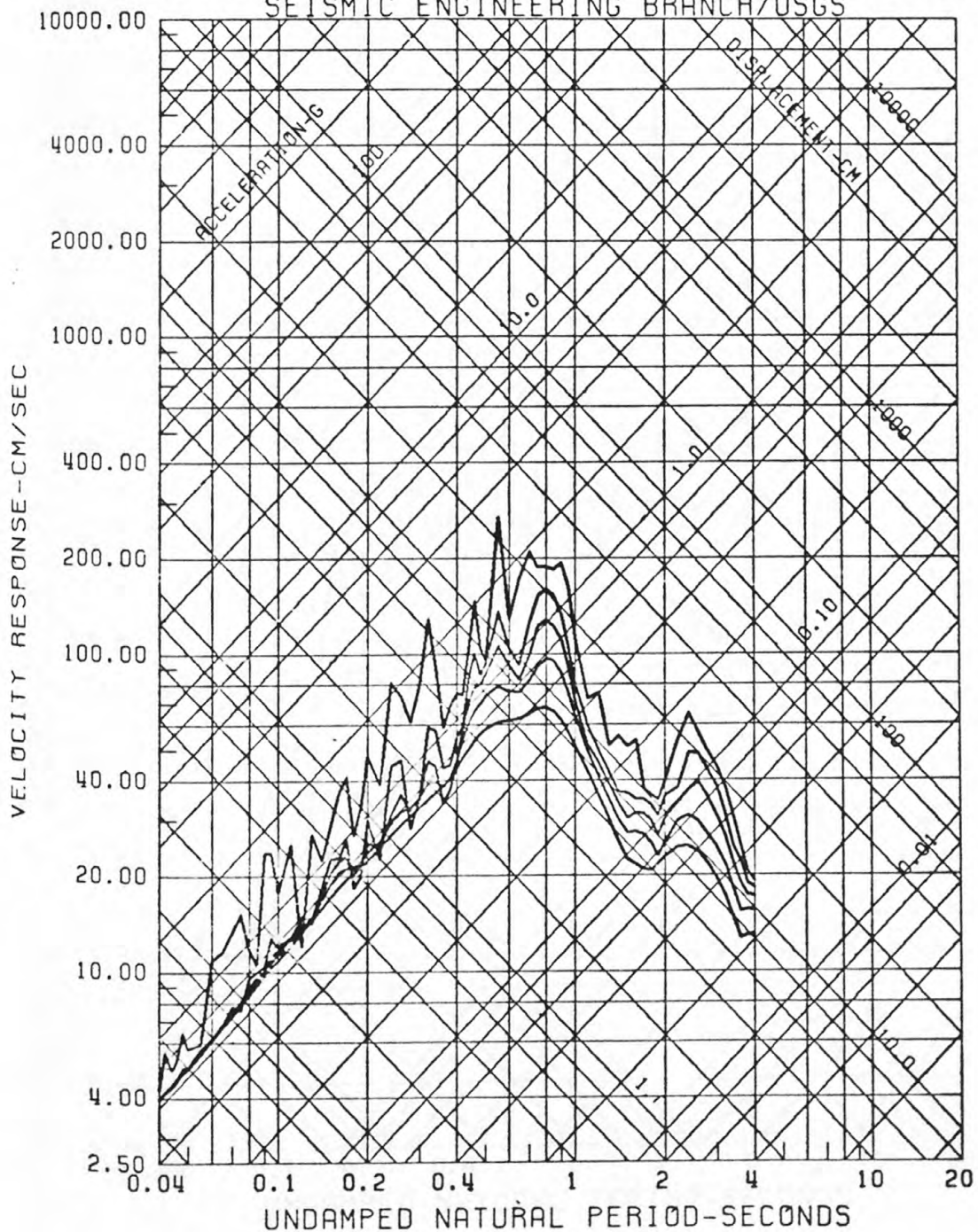
RESPONSE SPECTRA
 ANDERSON DAM - CREST, 4/24/84, 2115UTC 340
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



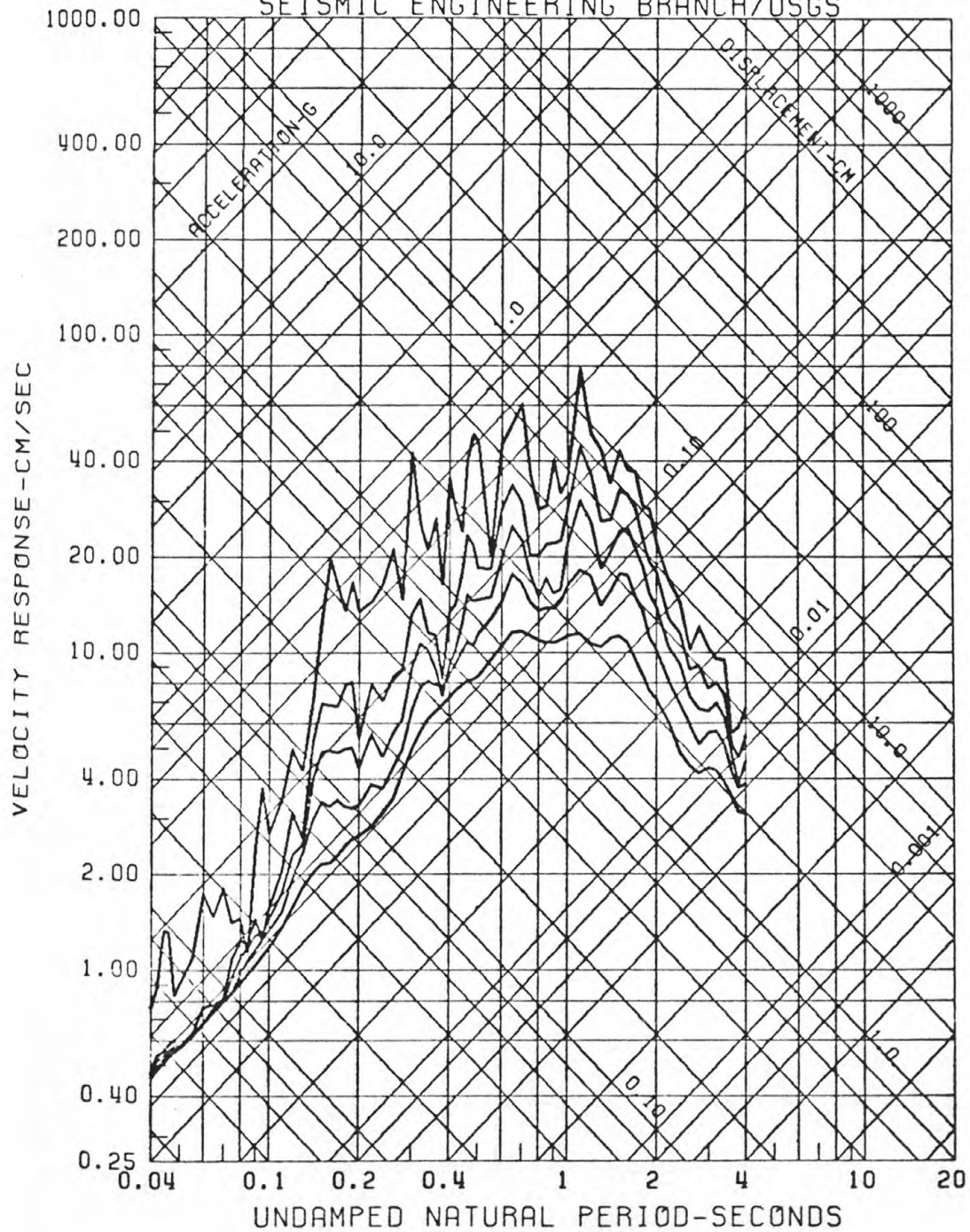
RESPONSE SPECTRA
 ANDERSON DAM - CREST, 4/24/84, 2115UTC UP
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



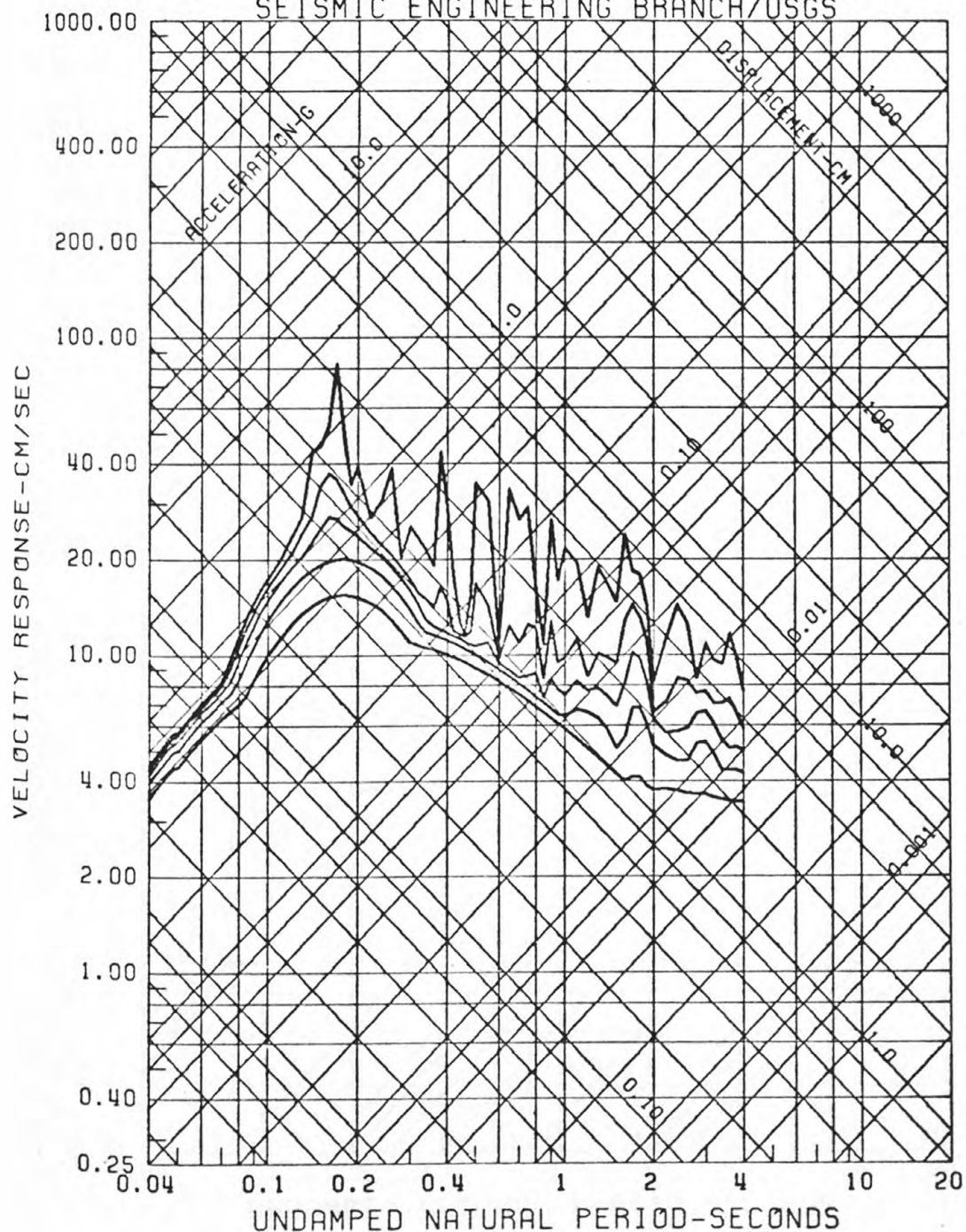
RESPONSE SPECTRA
 ANDERSON DAM - CREST, 4/24/84, 2115UTC 250
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



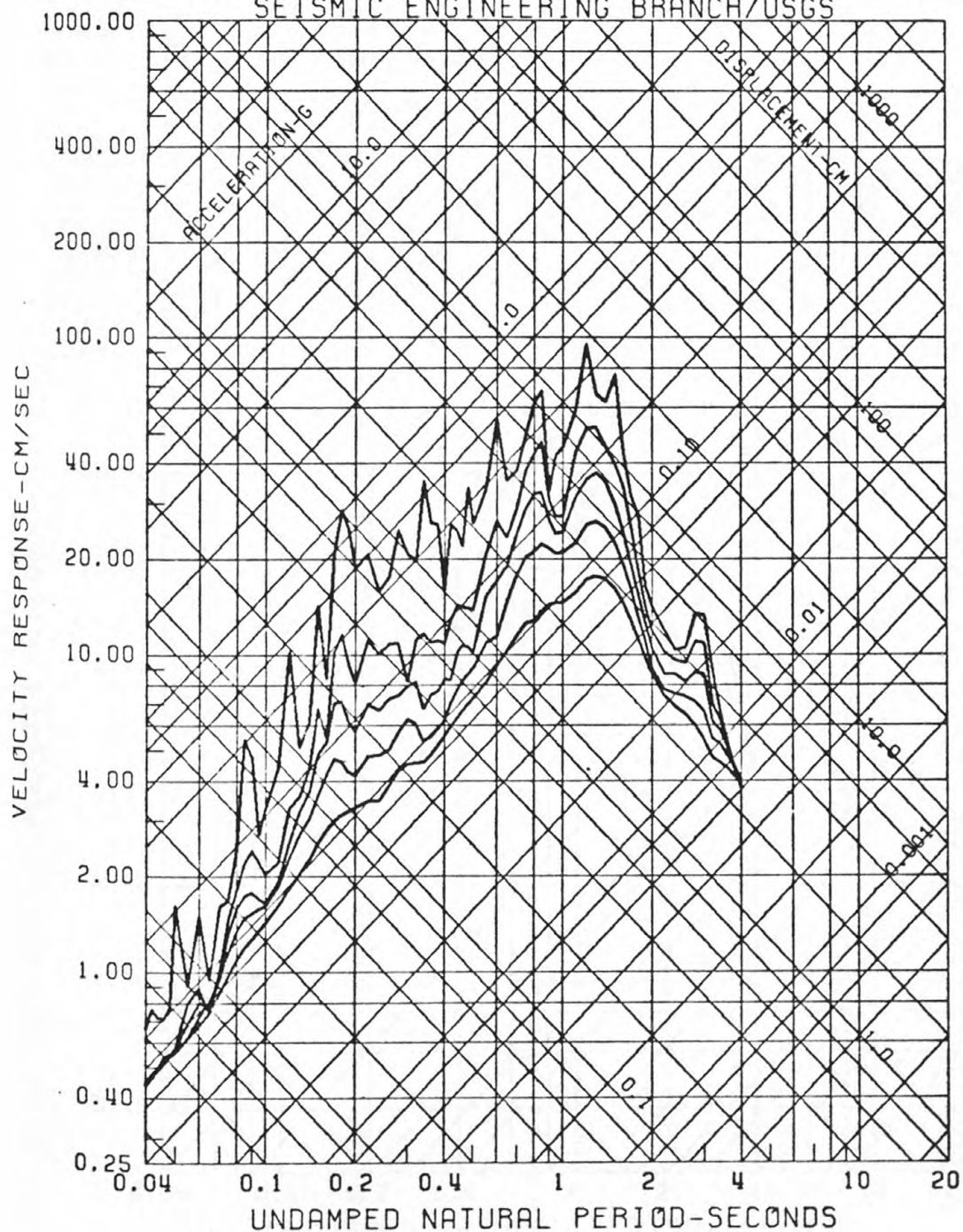
RESPONSE SPECTRA
HOLLISTER CITY HALL ANNEX - BASEMENT, 4/24/84, 2115UTC 1°
0,2,5,10,20 PERCENT CRITICAL DAMPING
FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
SEISMIC ENGINEERING BRANCH/USGS



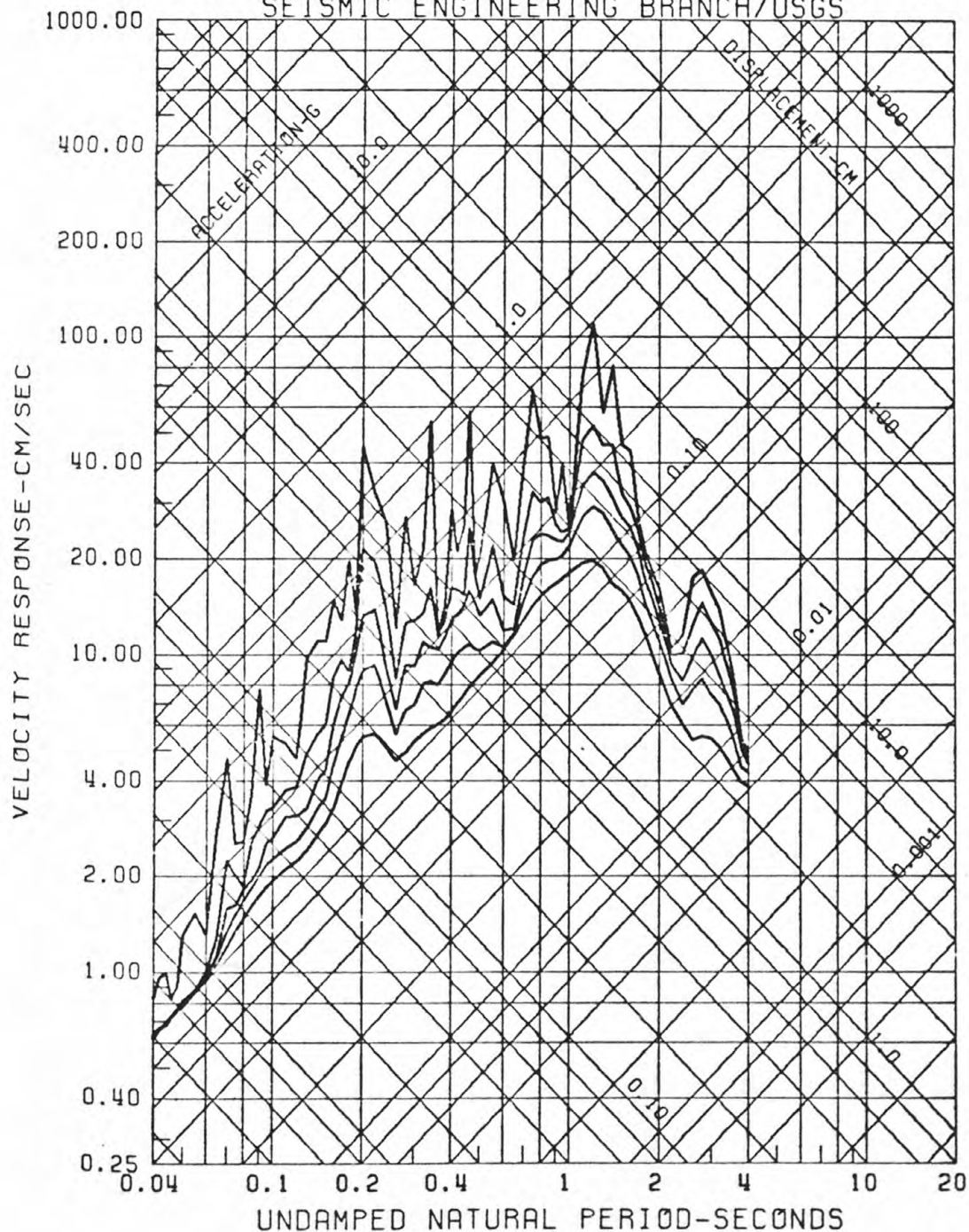
RESPONSE SPECTRA
HOLLISTER CITY HALL ANNEX - BASEMENT, 4/24/84, 2115UTC UP
0,2,5,10,20 PERCENT CRITICAL DAMPING
FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
SEISMIC ENGINEERING BRANCH/USGS



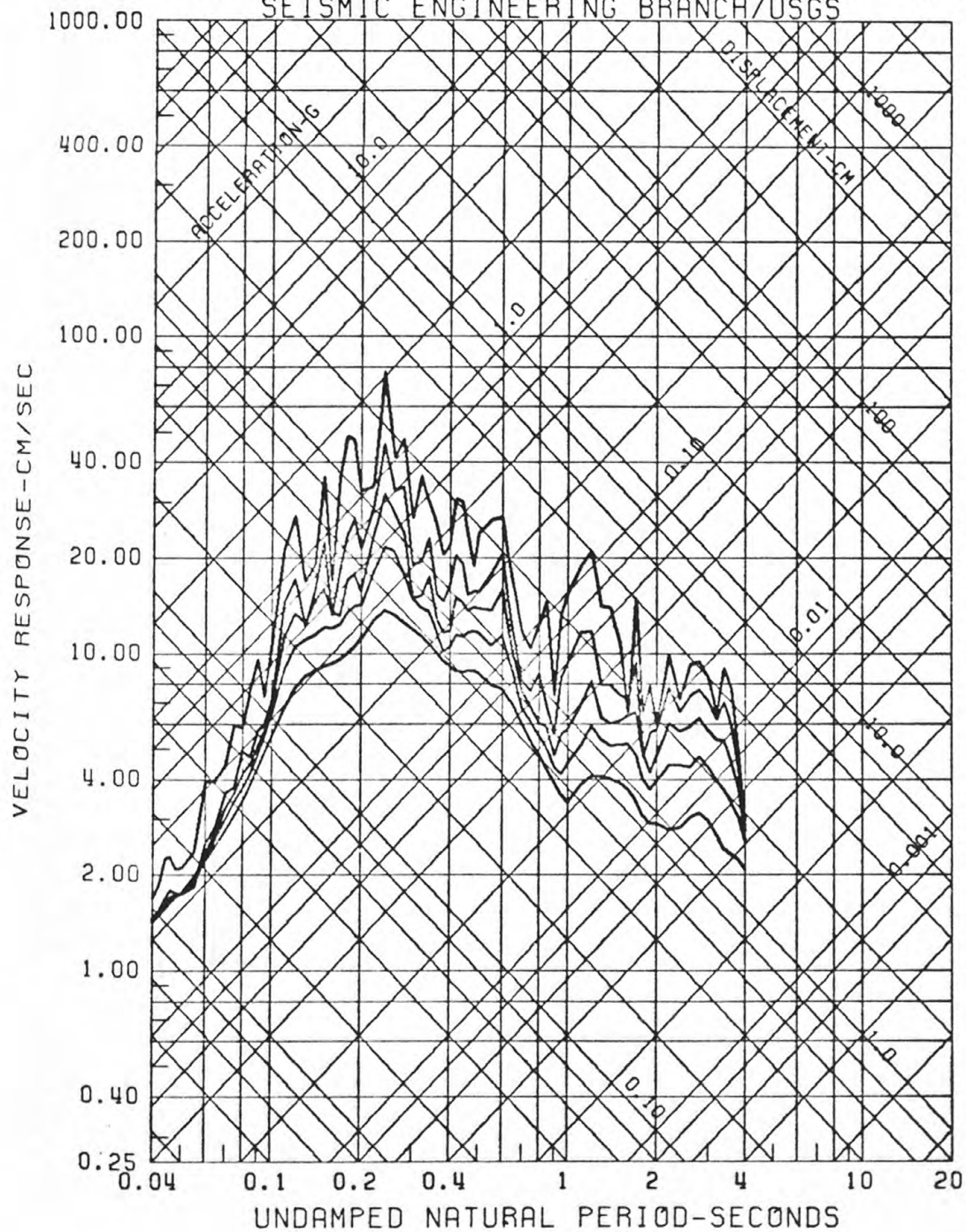
RESPONSE SPECTRA
HOLLISTER CITY HALL ANNEX - BASEMENT, 4/24/84, 2115UTC 271°
0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
SEISMIC ENGINEERING BRANCH/USGS



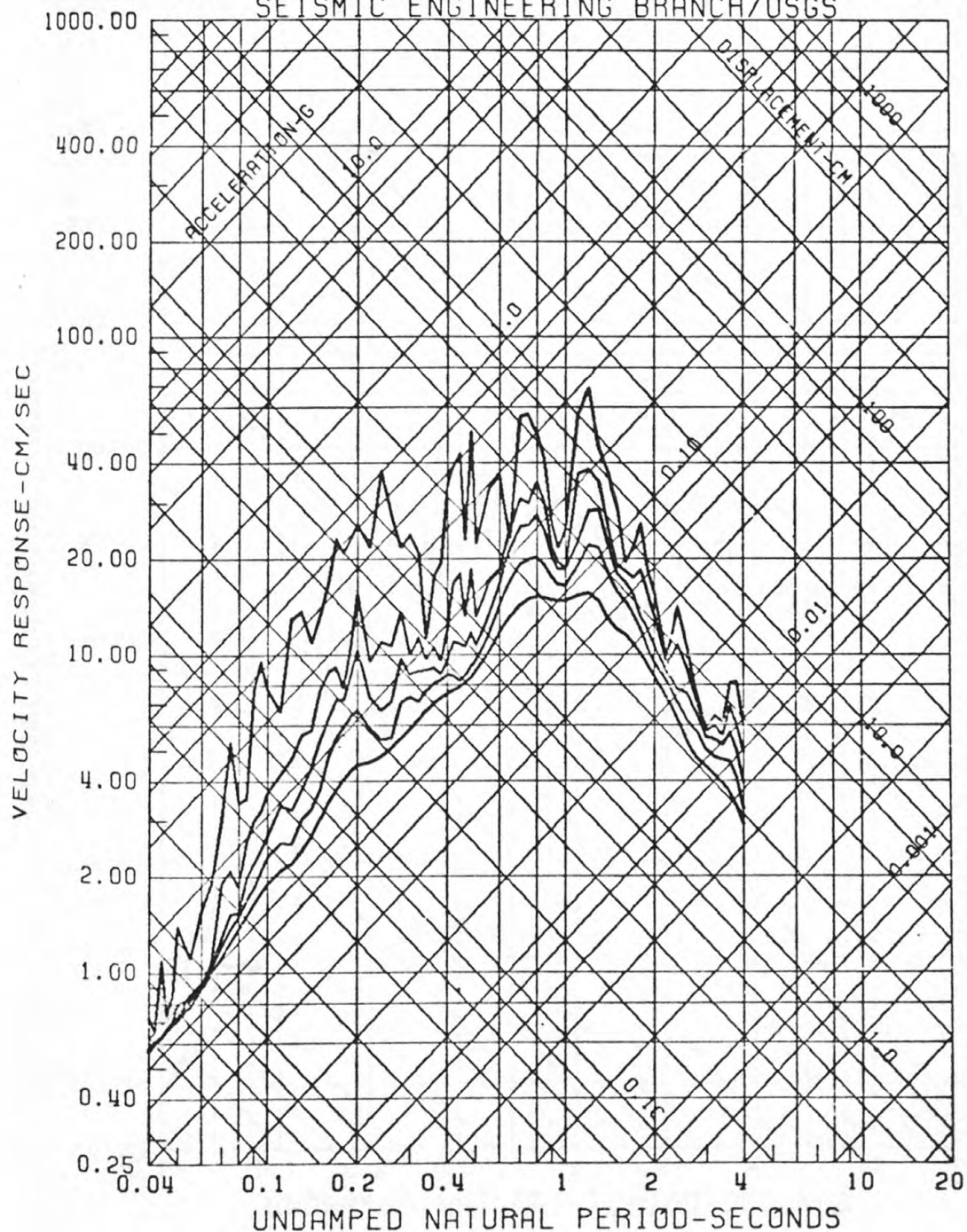
RESPONSE SPECTRA
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T), 4/24/84, 2115UTC 255
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



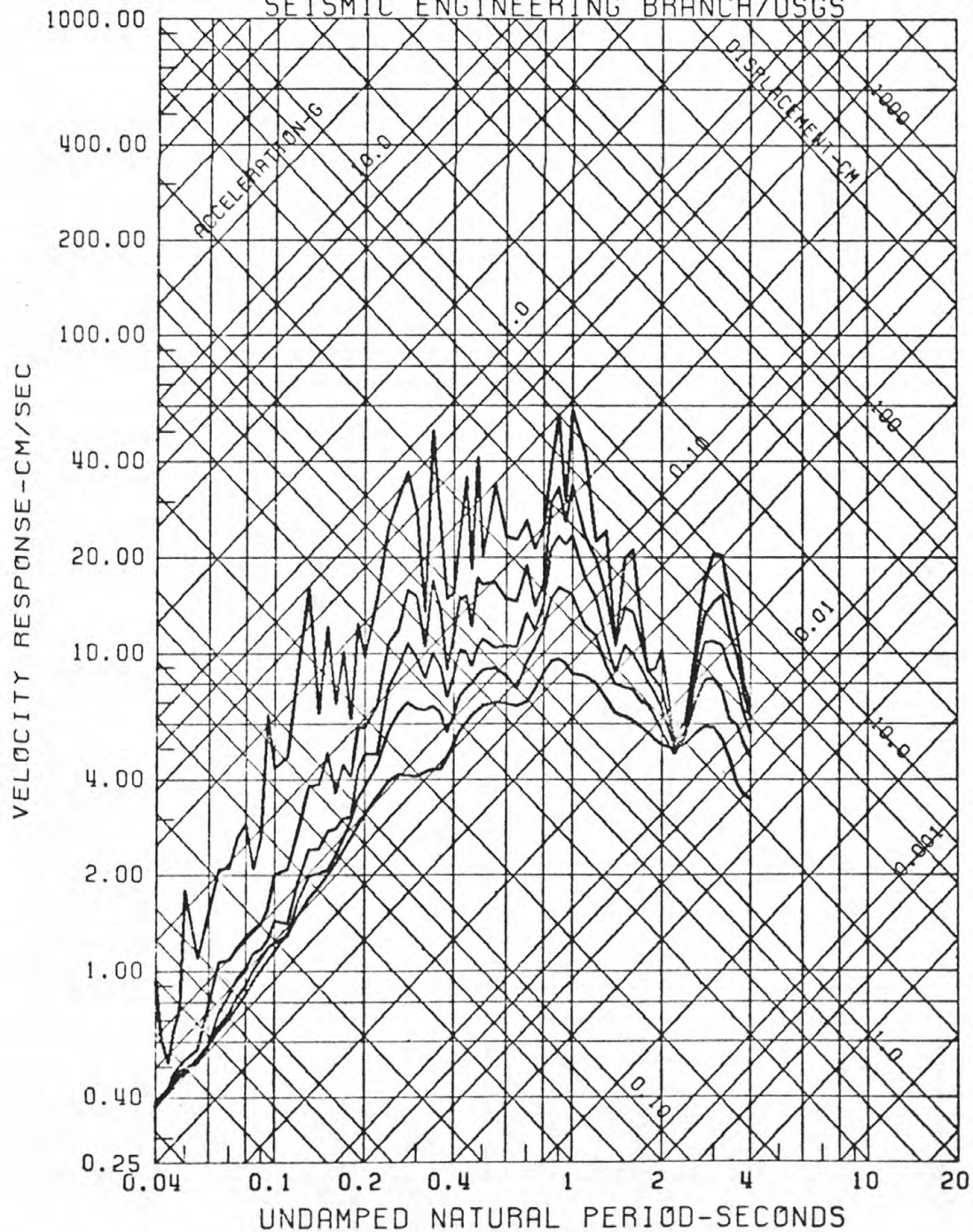
RESPONSE SPECTRA
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T), 4/24/84, 2115UTC UP
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



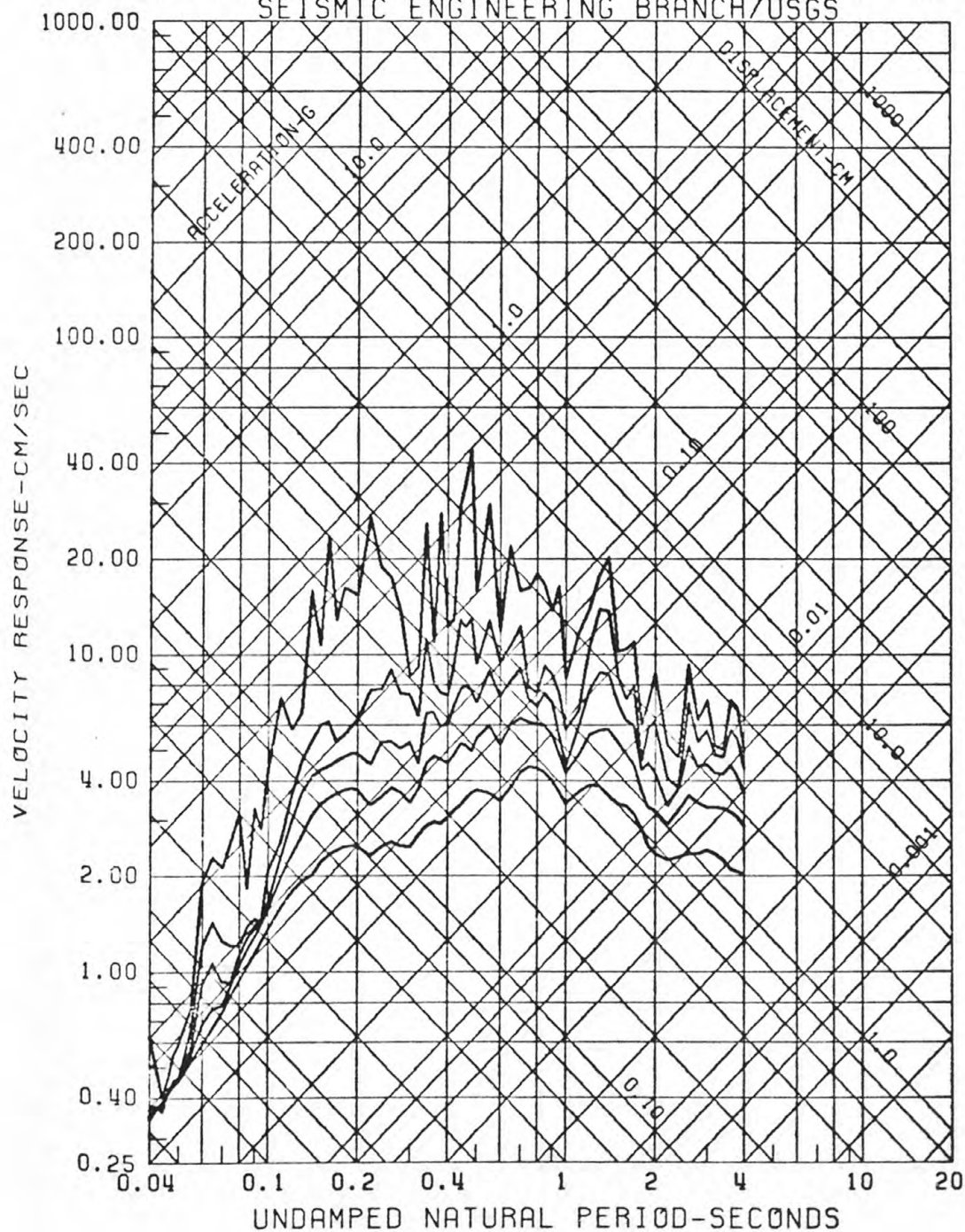
RESPONSE SPECTRA
HOLLISTER DIFFERENTIAL ARRAY (SMA-1T), 4/24/84, 2115UTC 165
0,2,5,10,20 PERCENT CRITICAL DAMPING
FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
SEISMIC ENGINEERING BRANCH/USGS



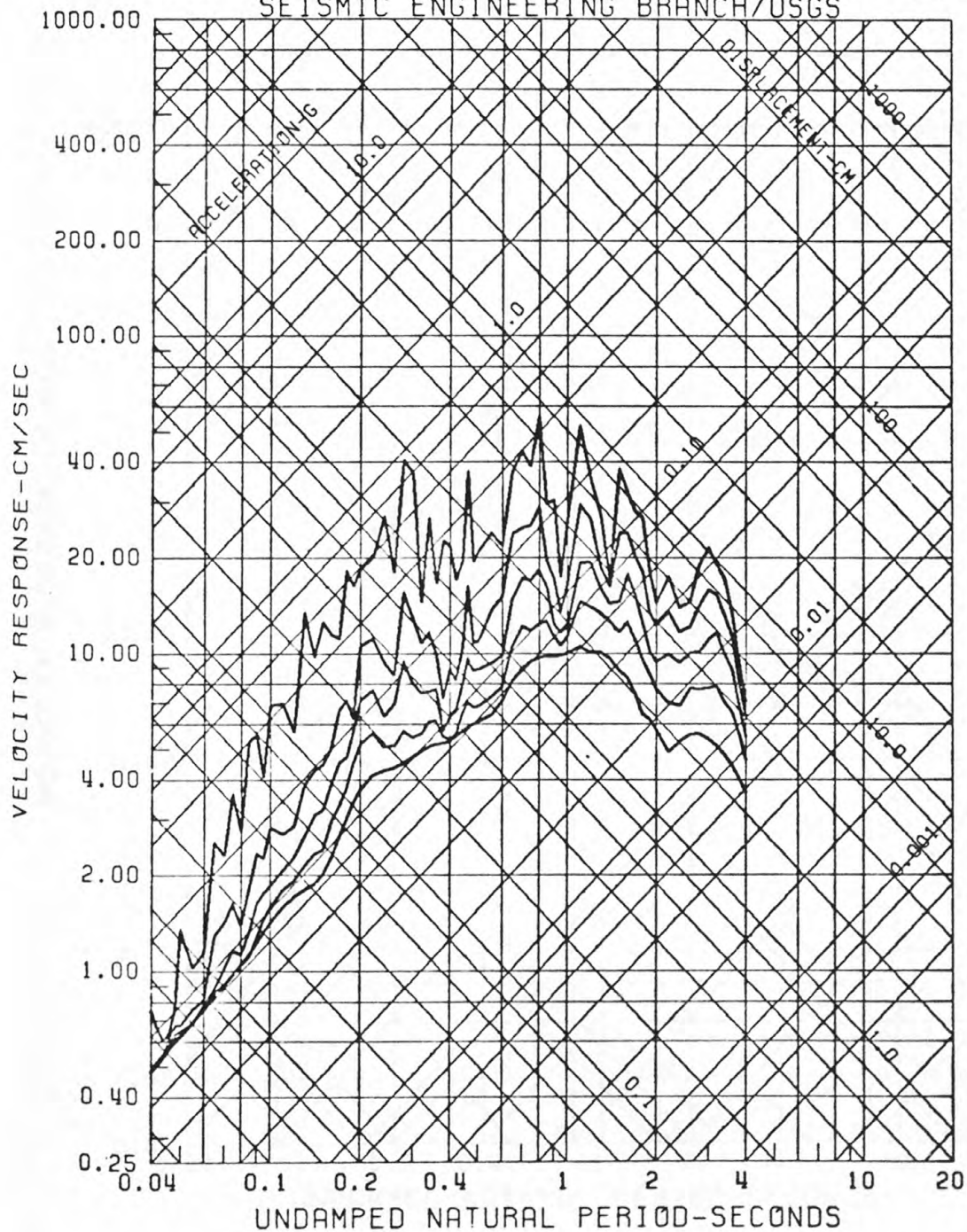
RESPONSE SPECTRA
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE), 4/24/84, 2115UTC 360
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



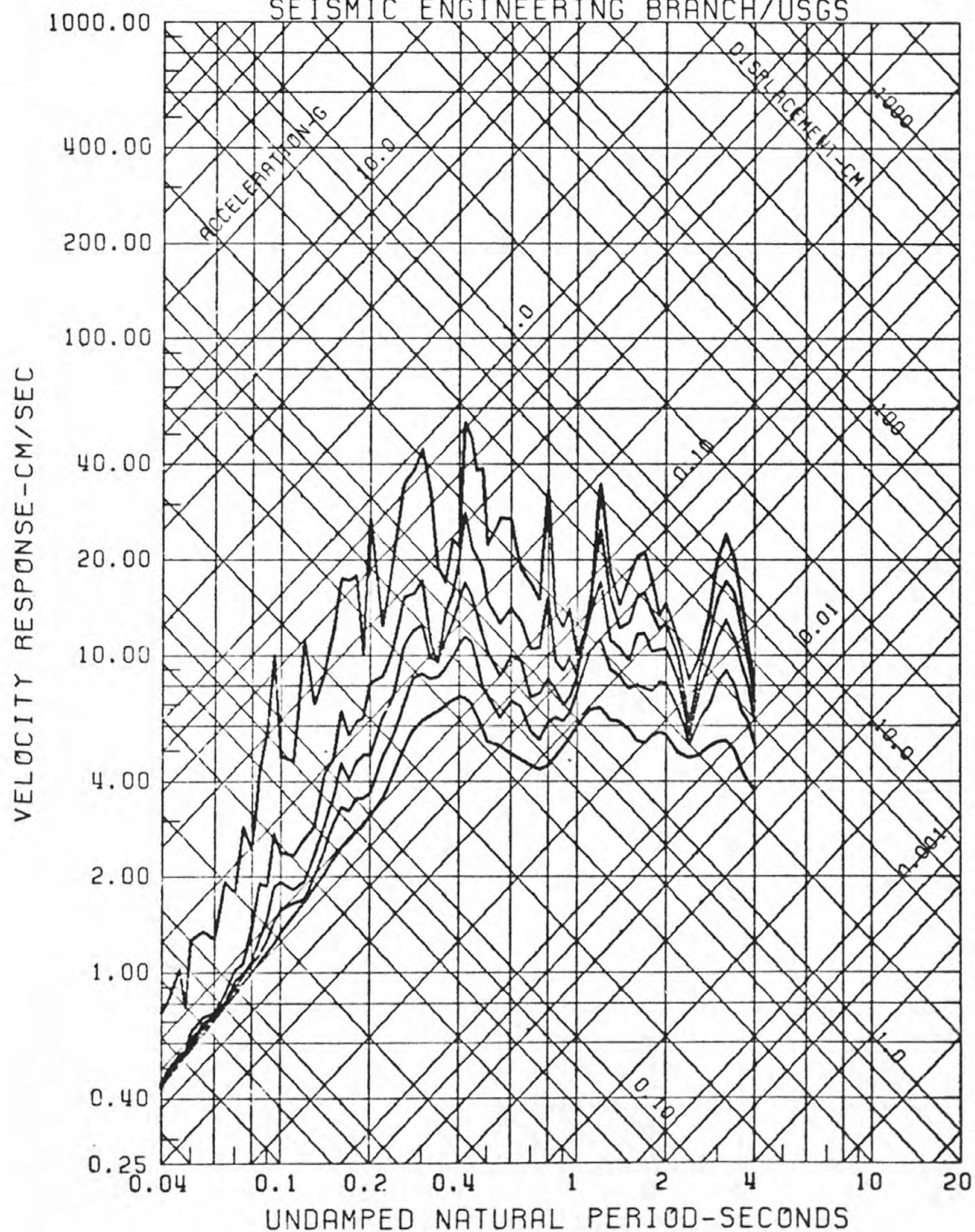
RESPONSE SPECTRA
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE), 4/24/84, 2115UTC UP
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



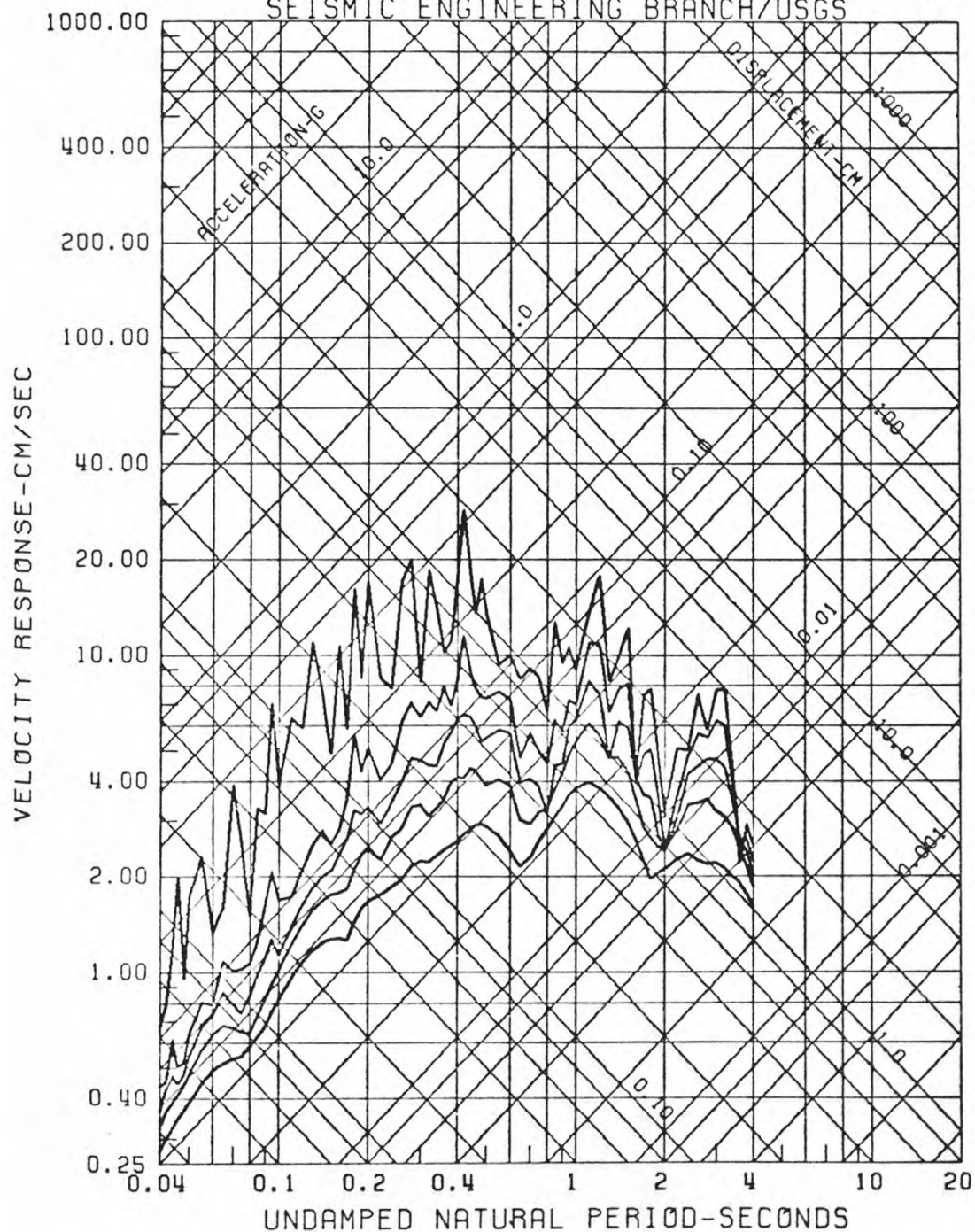
RESPONSE SPECTRA
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE), 4/24/84, 2115UTC 270
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS



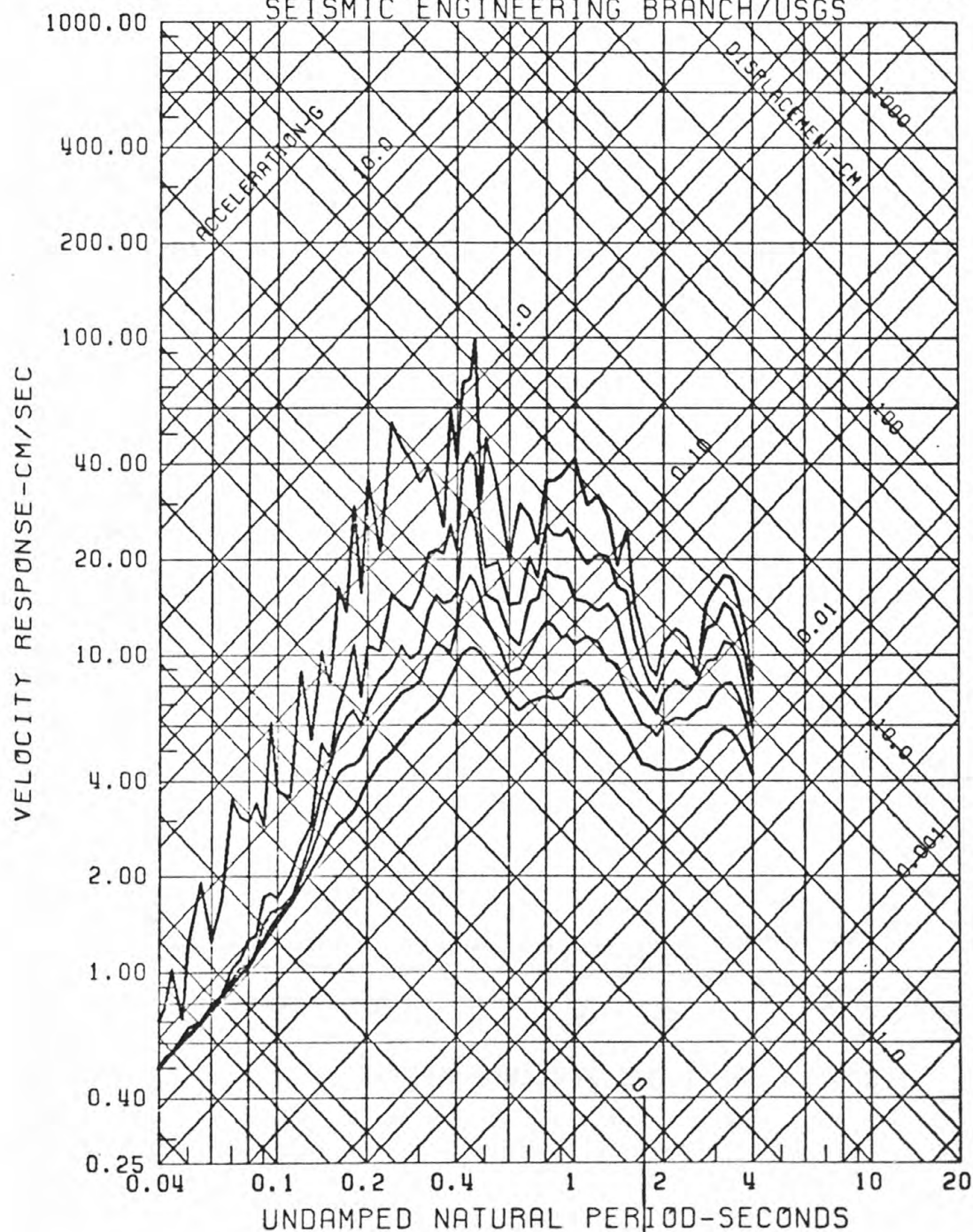
RESPONSE SPECTRA
 SAN JUSTO DAMSITE - LEFT ABUTMENT, 4/24/84, 2115UTC 360
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS

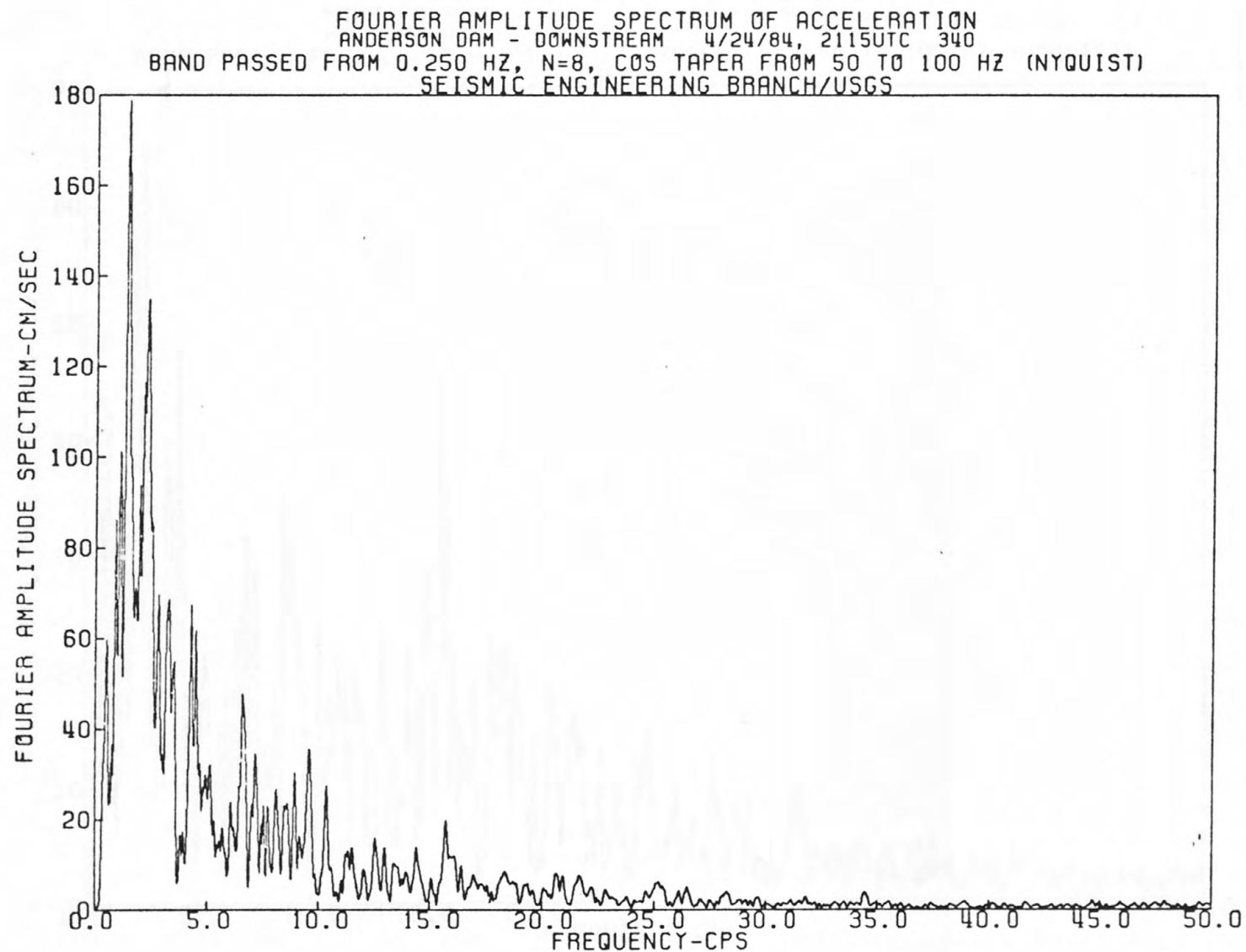


RESPONSE SPECTRA
 SAN JUSTO DAMSITE - LEFT ABUTMENT, 4/24/84, 2115UTC UP
 0,2,5,10,20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS

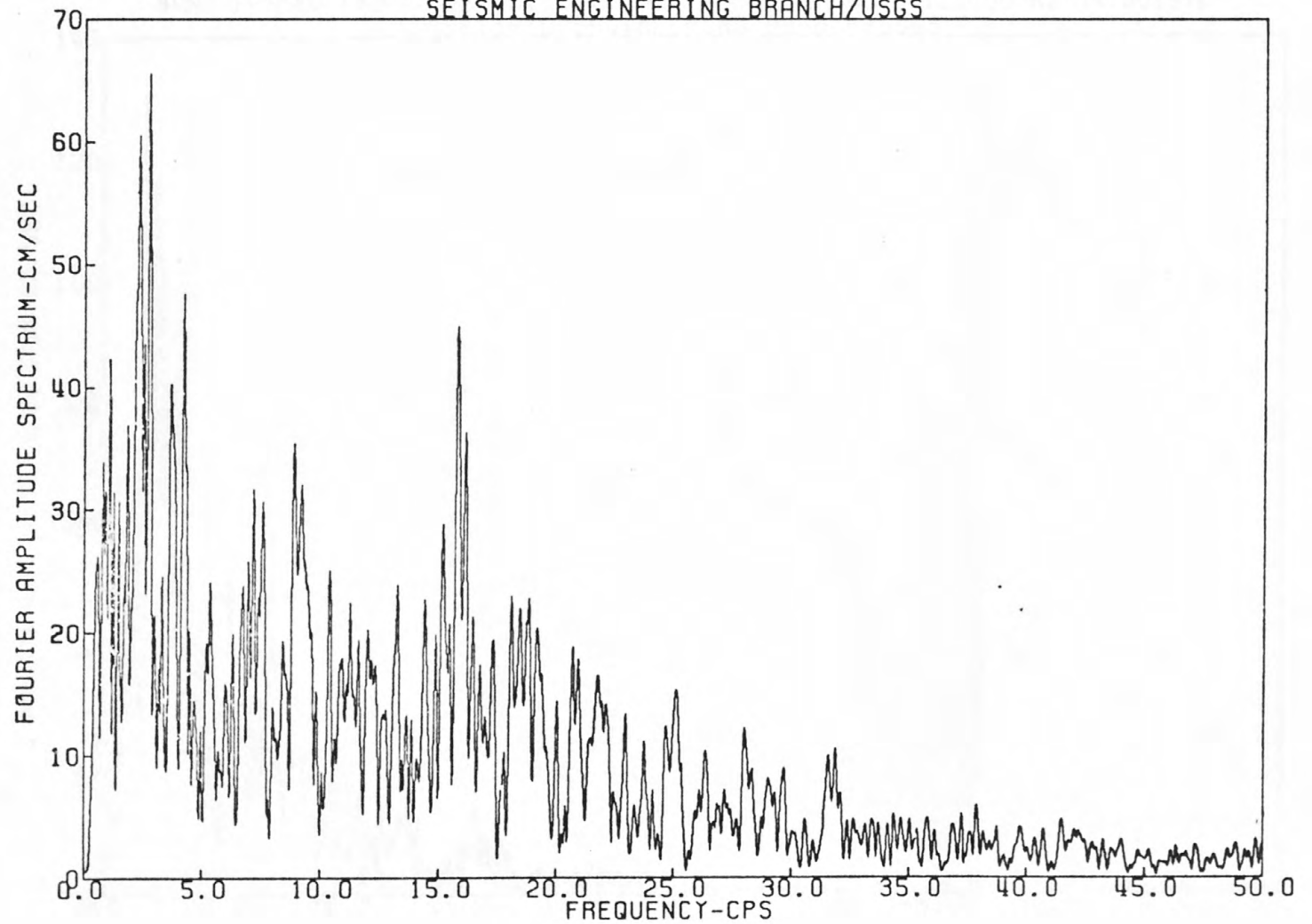


RESPONSE SPECTRA
 SAN JUSTO DAMSITE - LEFT ABUTMENT, 4/24/84, 2115UTC 270
 0.2, 5, 10, 20 PERCENT CRITICAL DAMPING
 FILTERS: BUTTERWORTH, ORDER 8, 0.250 HZ; ANTIALIAS 50 - 100 HZ
 SEISMIC ENGINEERING BRANCH/USGS

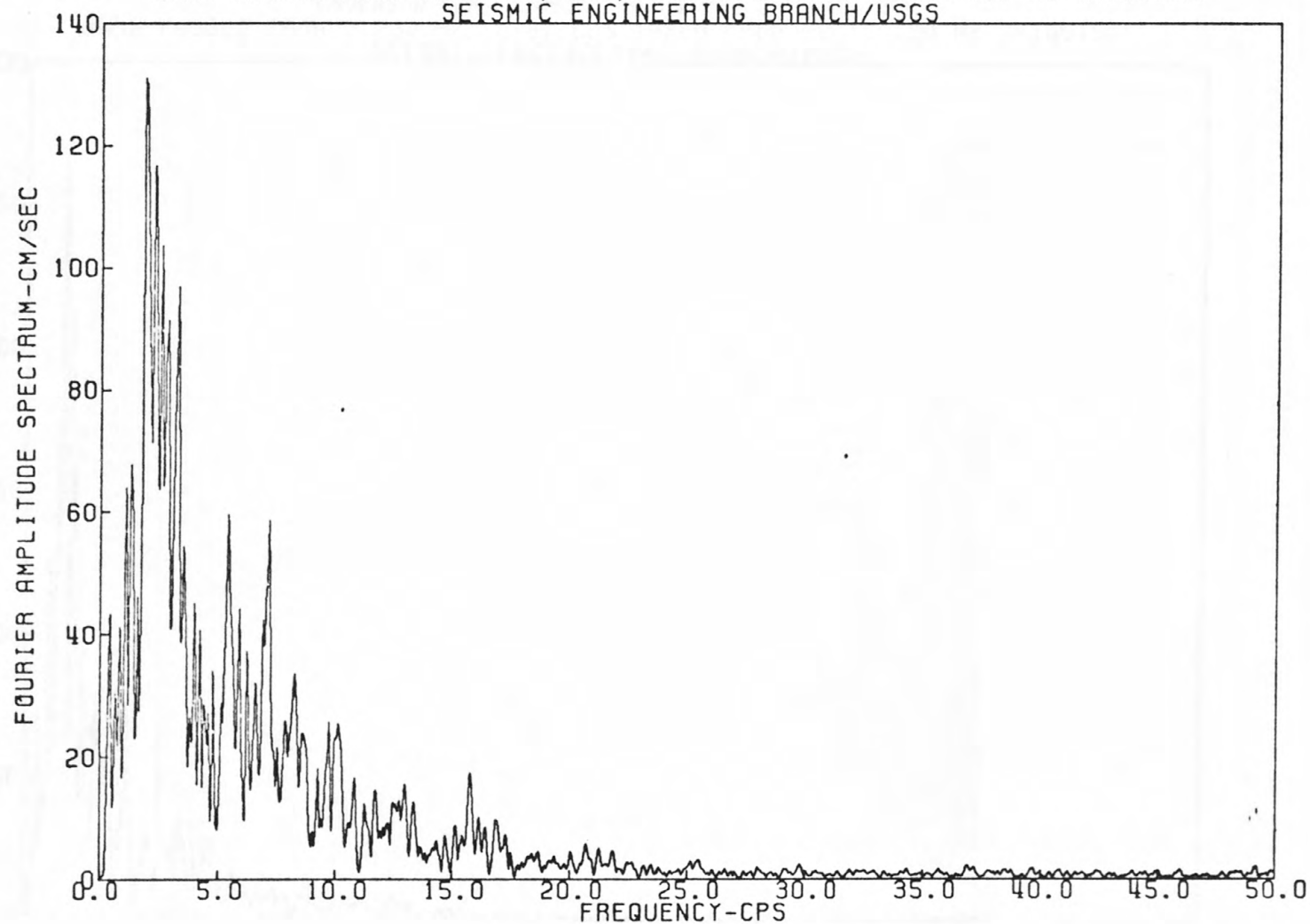




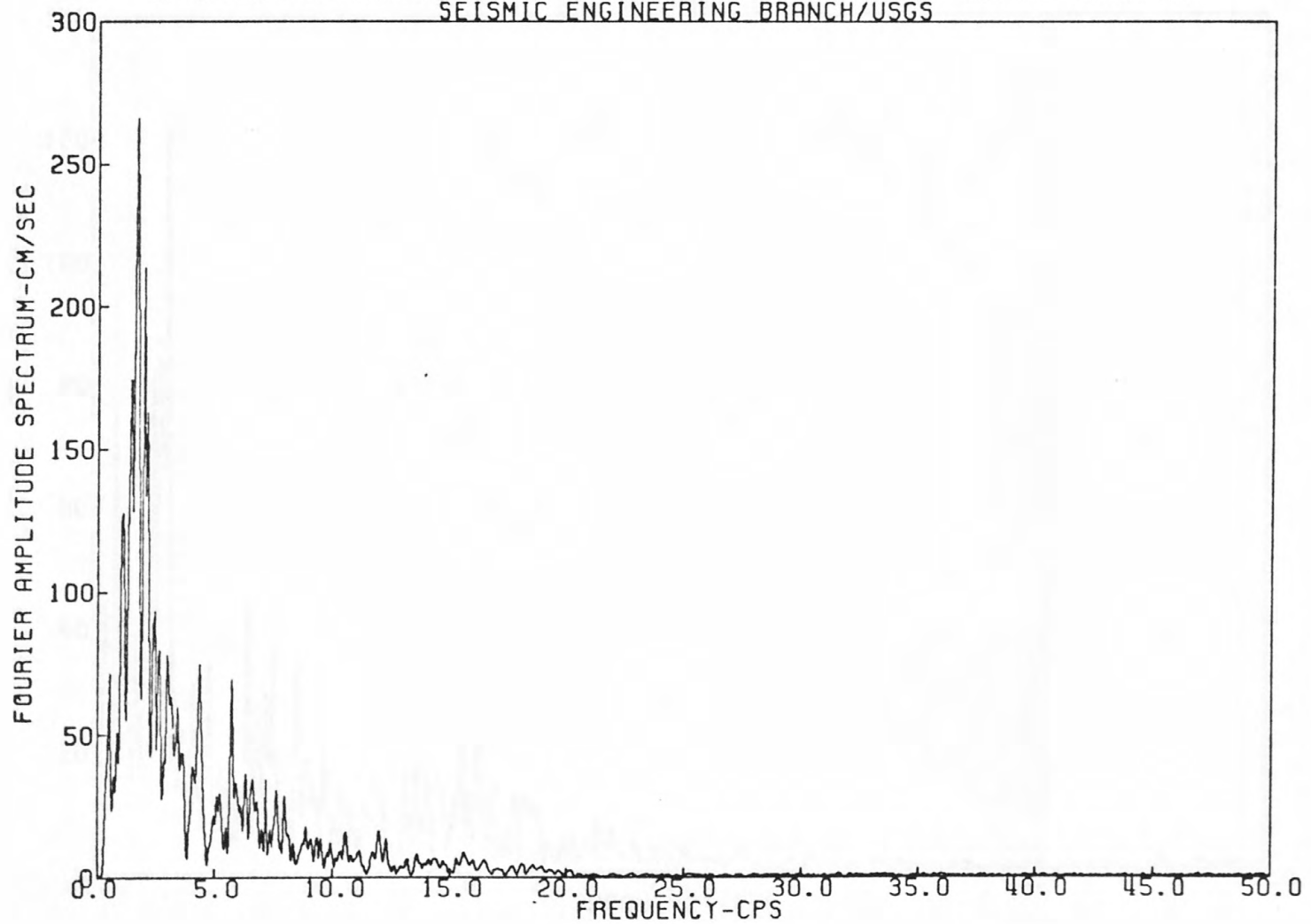
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ANDERSON DAM - DOWNSTREAM 4/24/84, 2115UTC UP
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



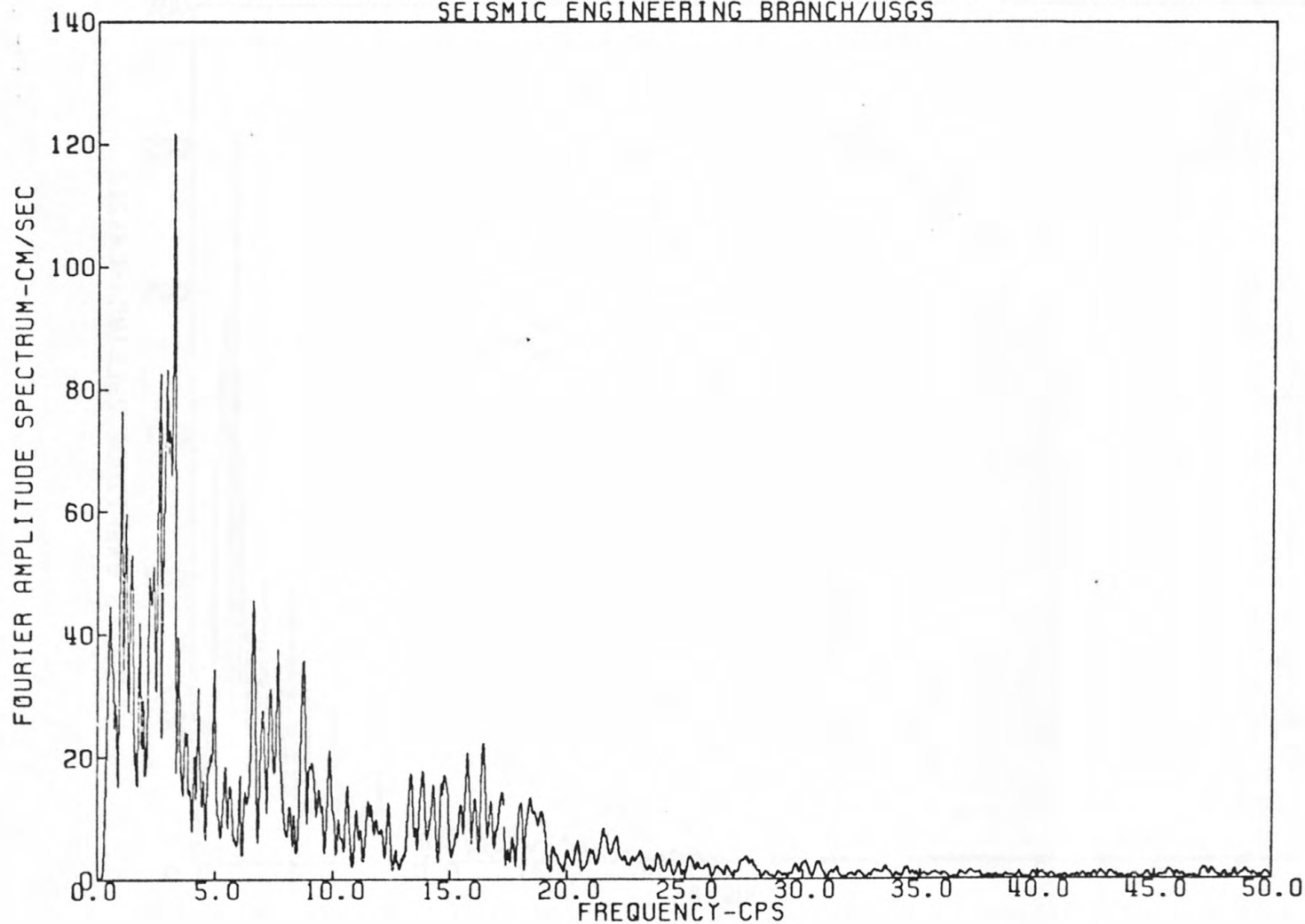
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ANDERSON DAM - DOWNSTREAM 4/24/84, 2115UTC 250
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



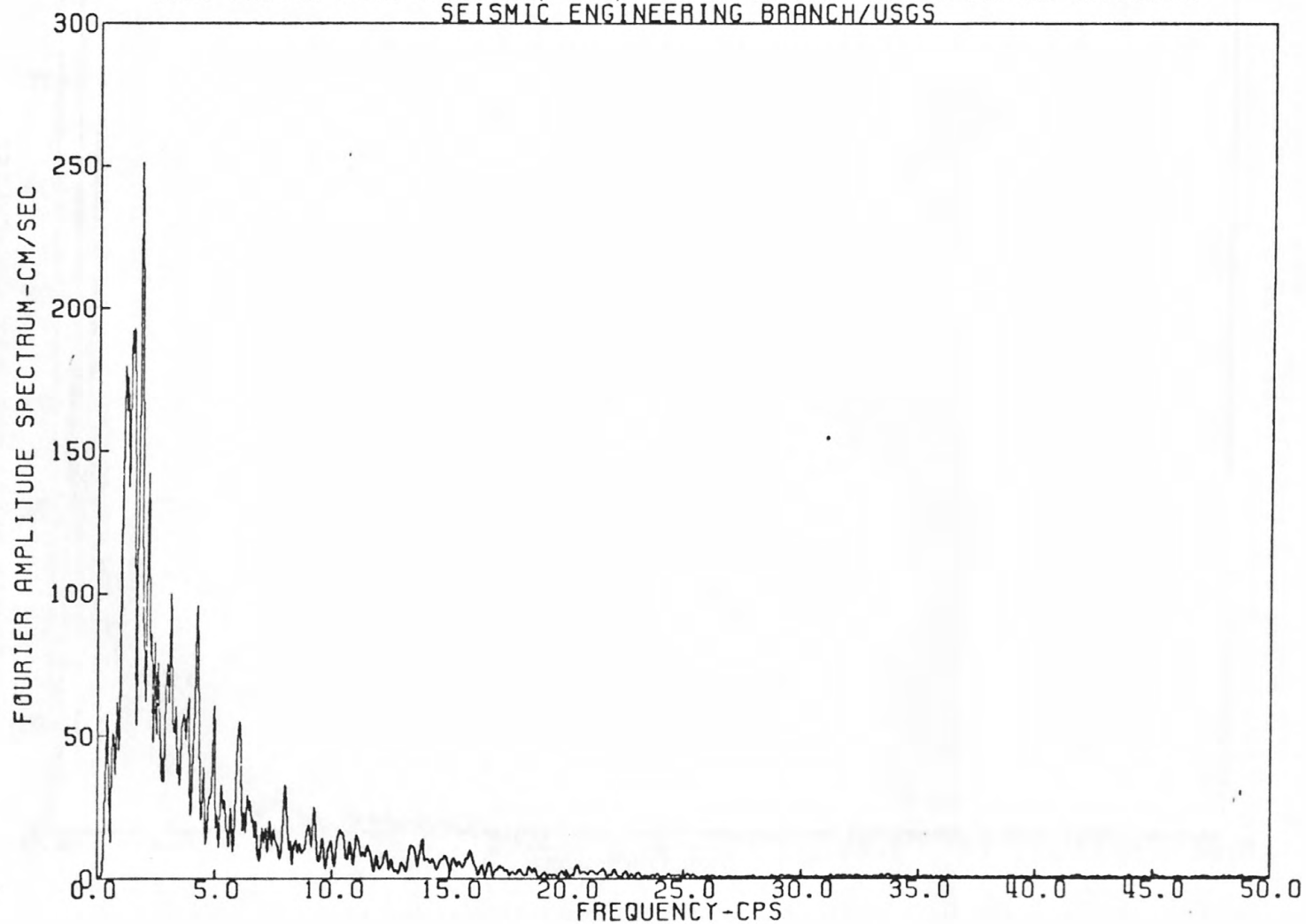
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ANDERSON DAM - CREST 4/24/84, 2115UTC 340
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



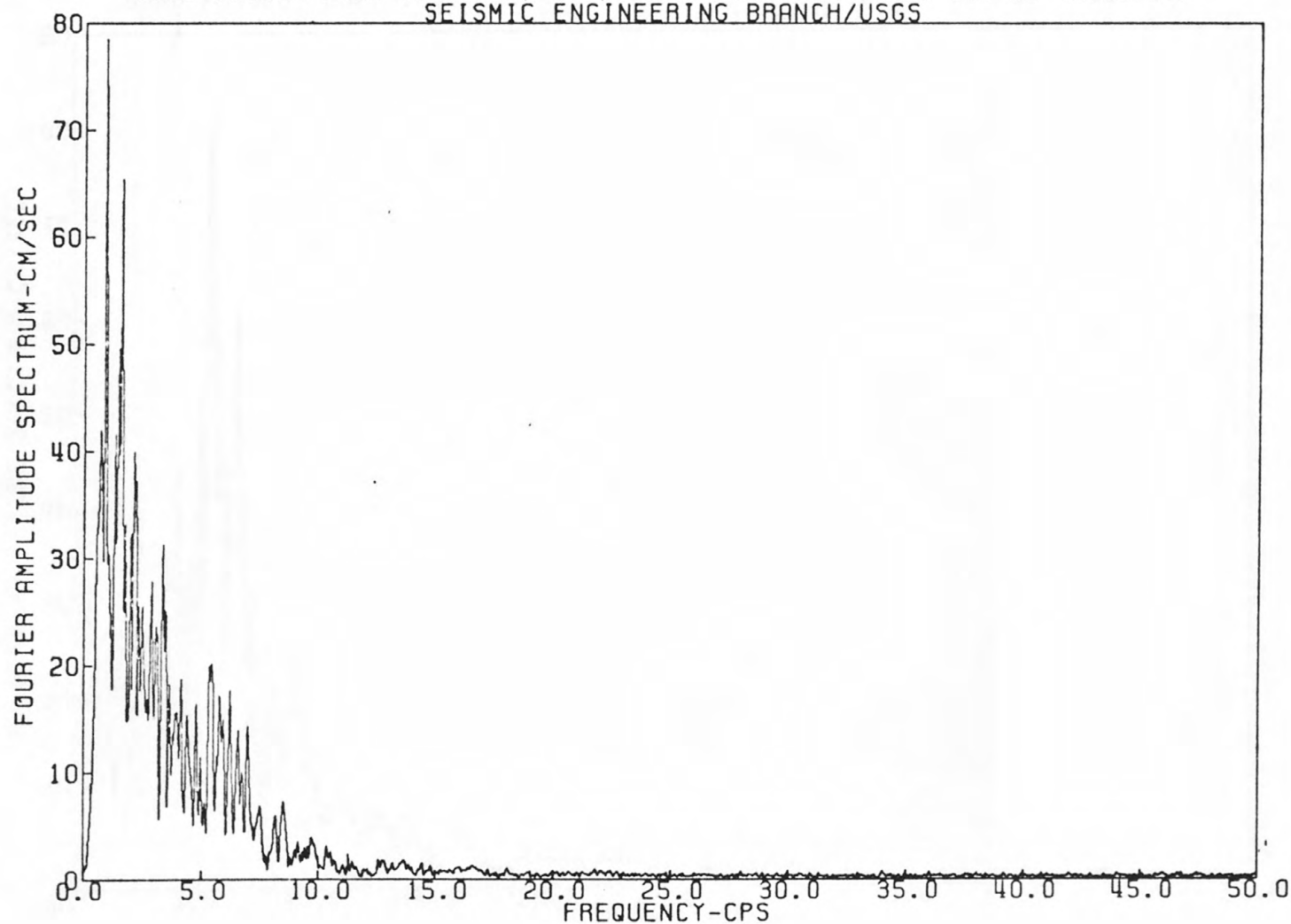
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ANDERSON DAM - CREST 4/24/84, 2115UTC UP
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



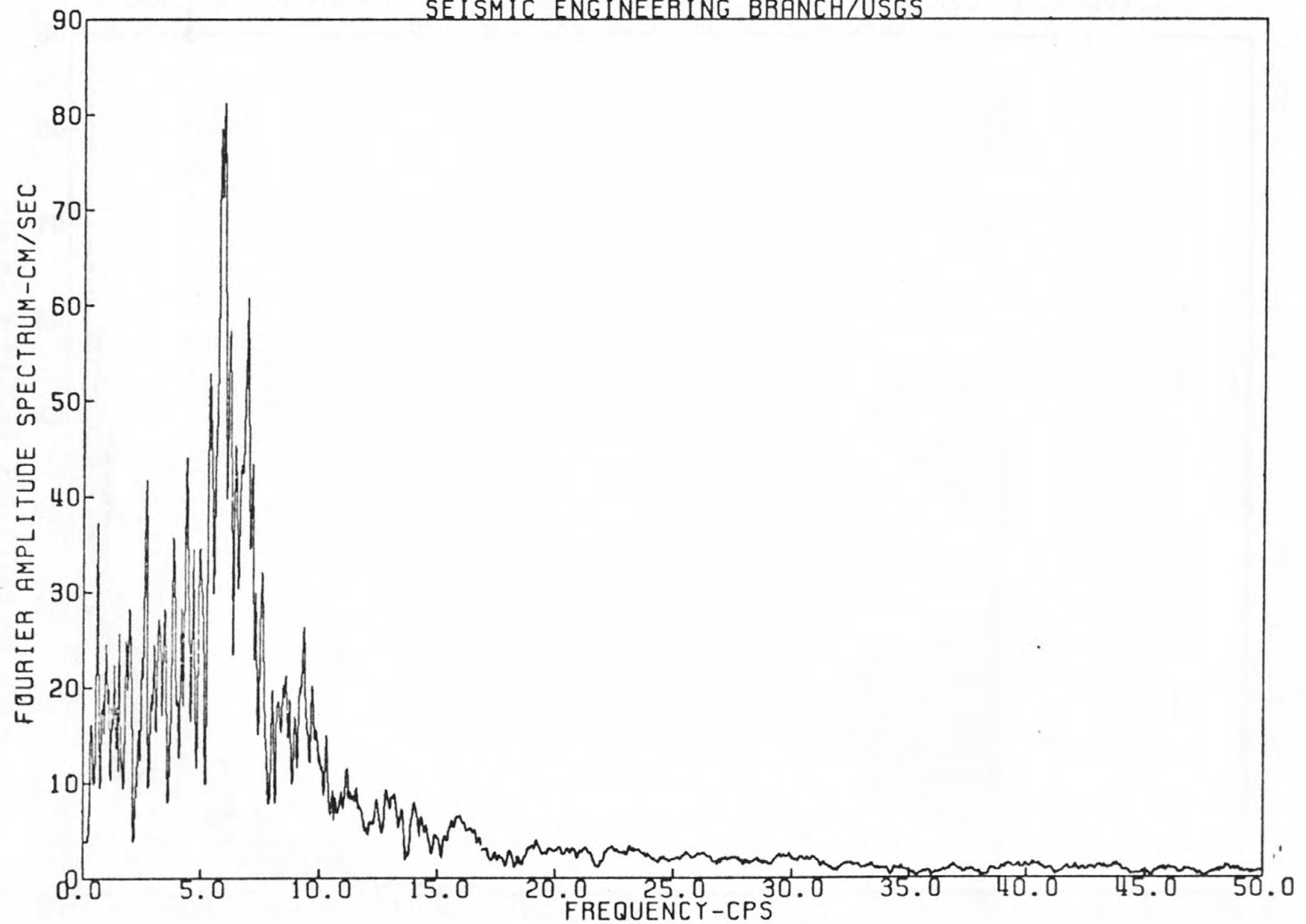
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
ANDERSON DAM - CREST 4/24/84, 2115UTC 250
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



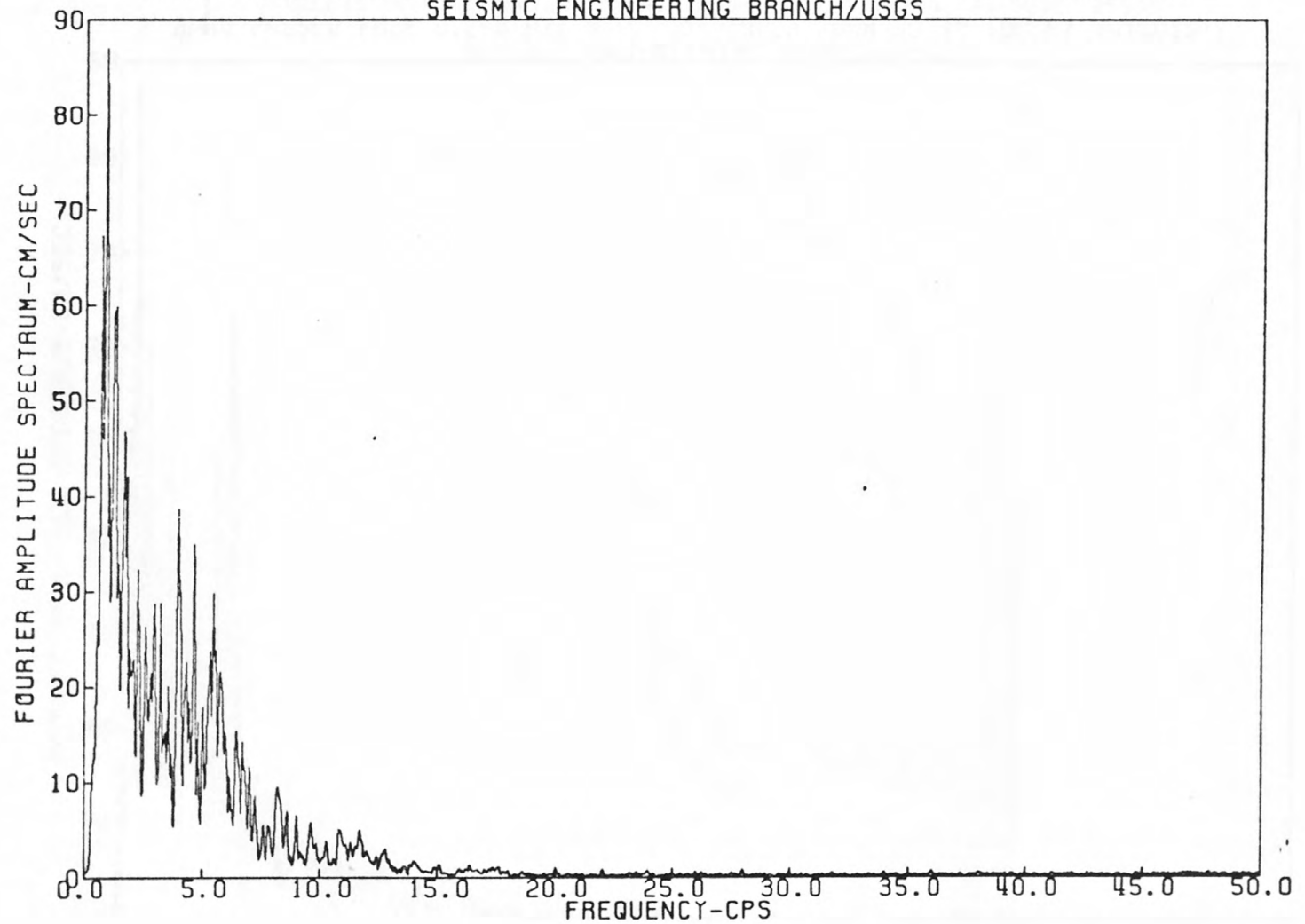
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
HOLLISTER CITY HALL ANNEX - BASEMENT 4/24/84, 2115UTC 1
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



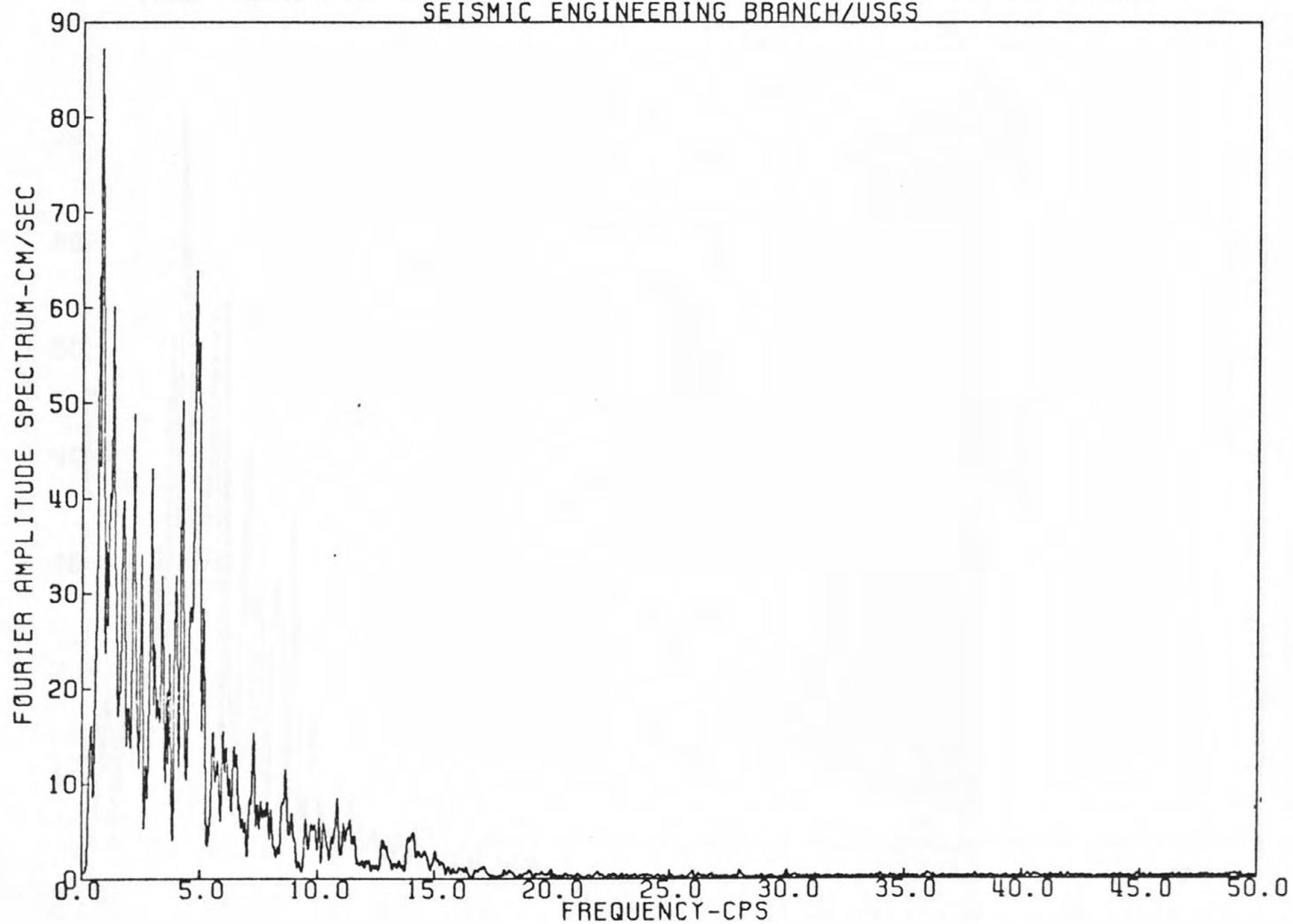
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
HOLLISTER CITY HALL ANNEX - BASEMENT 4/24/84, 2115UTC UP
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



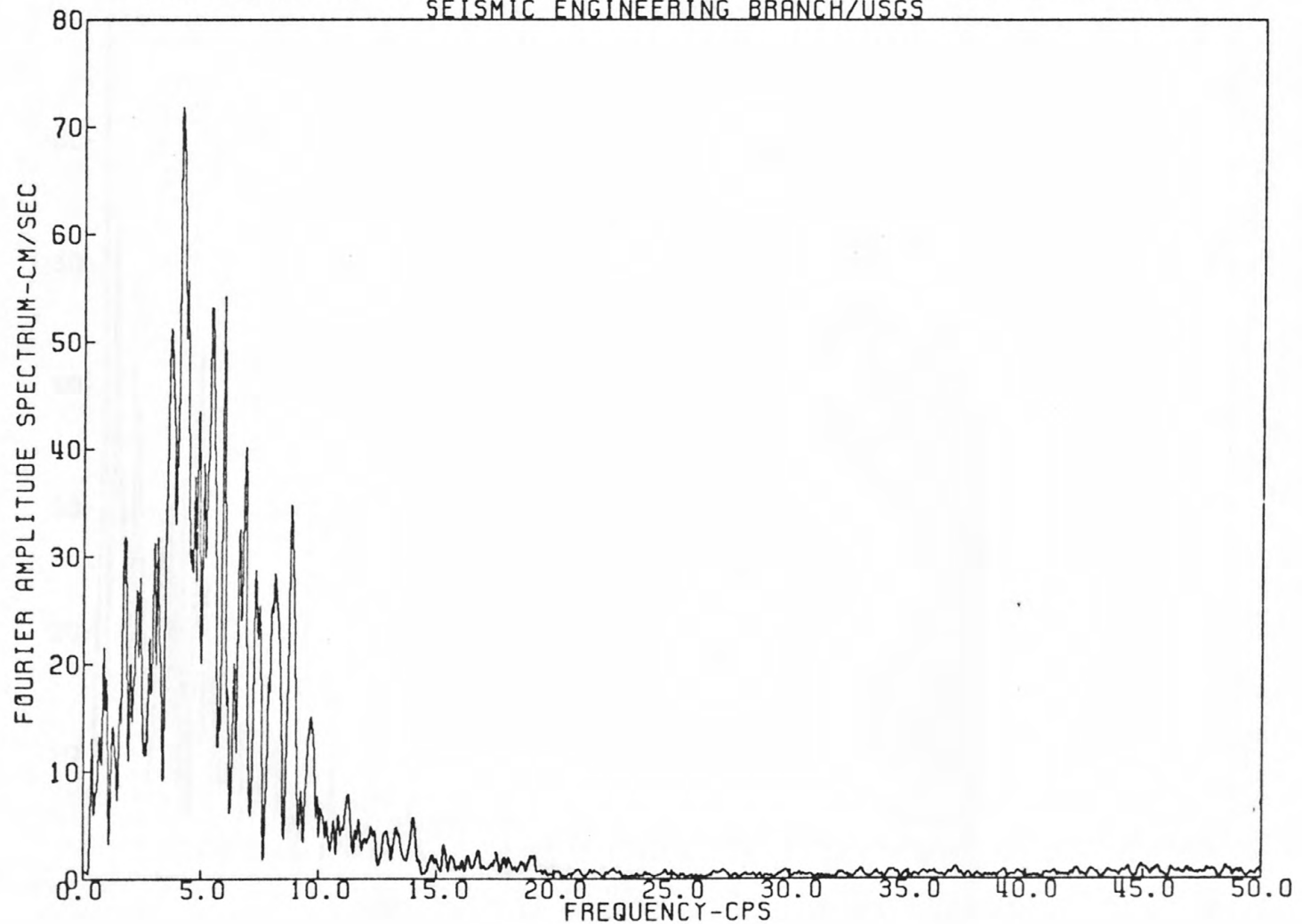
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
HOLLISTER CITY HALL ANNEX - BASEMENT 4/24/84, 2115UTC 271
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



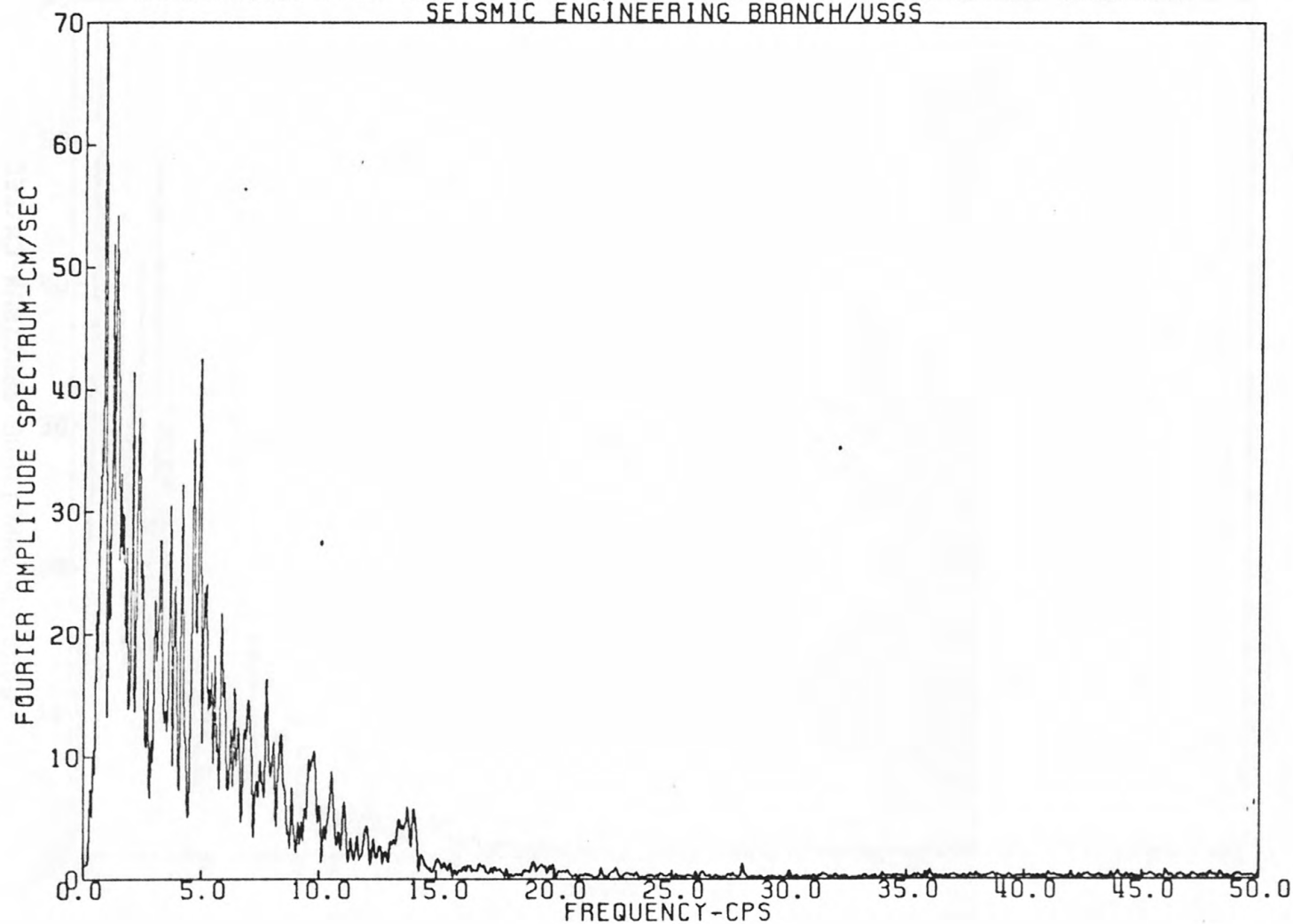
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
HOLLISTER DIFFERENTIAL ARRAY (SMA-1T) 4/24/84, 2115UTC 255
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



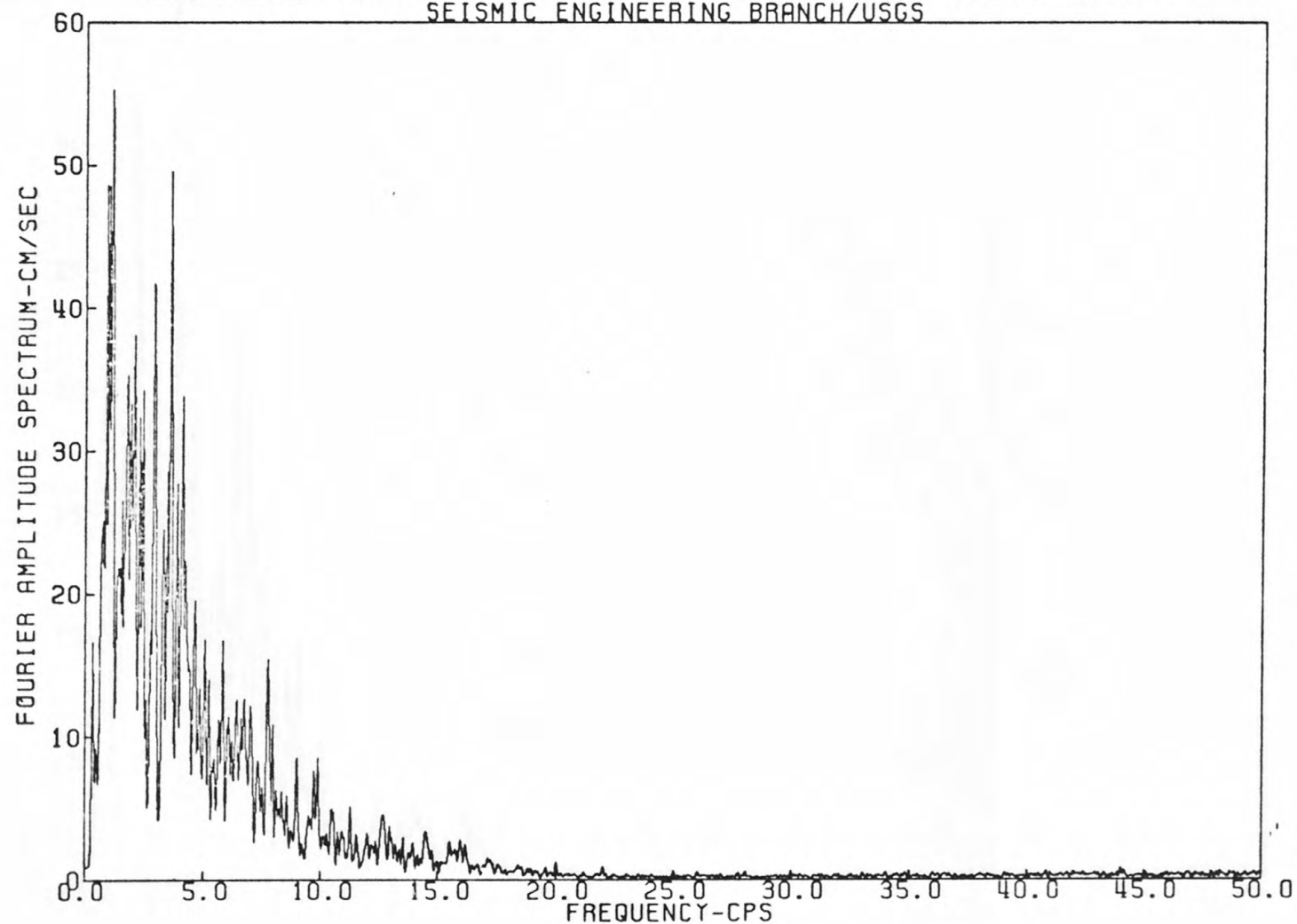
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T) 4/24/84, 2115UTC UP
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



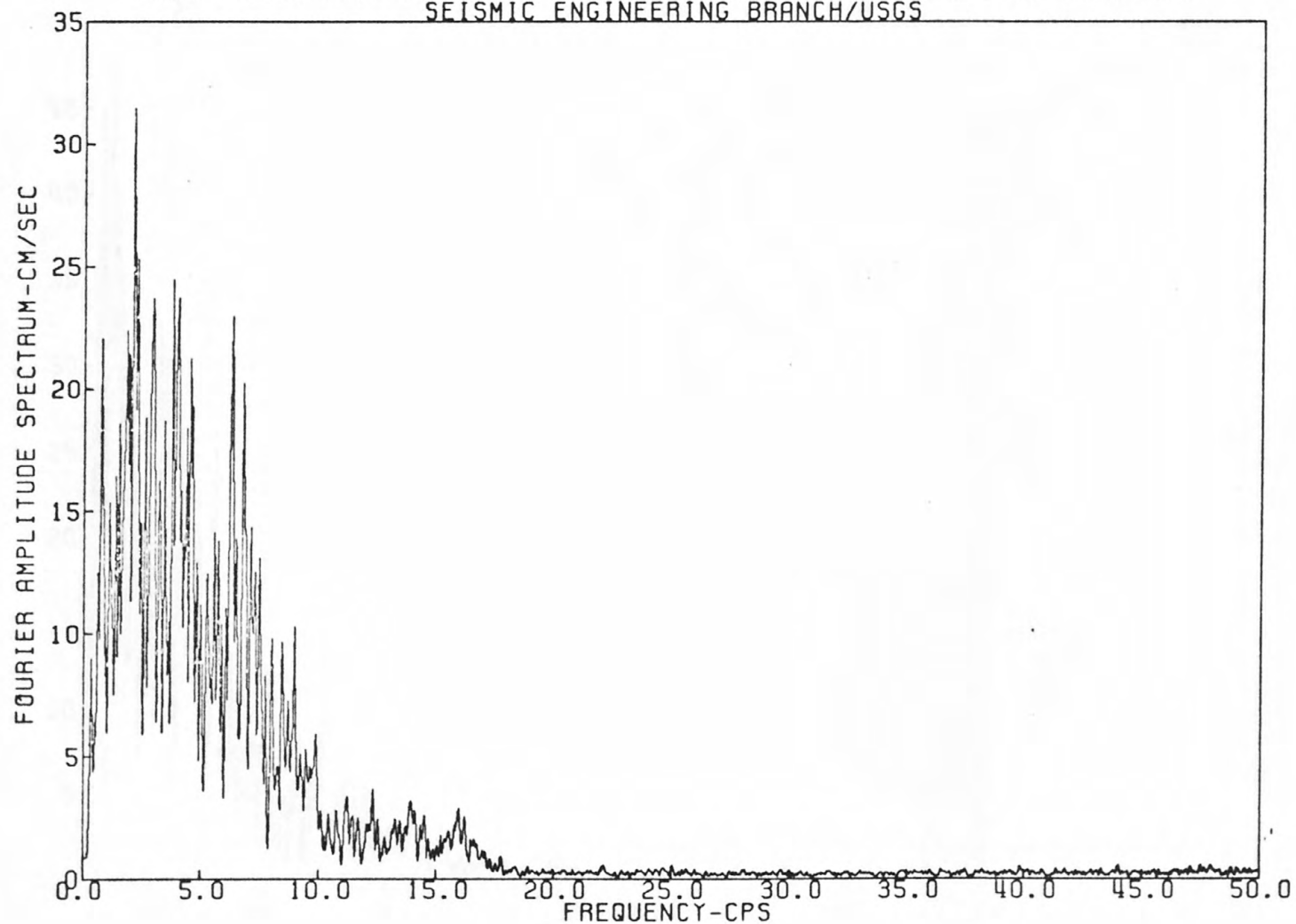
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
HOLLISTER DIFFERENTIAL ARRAY (SMA-1T) 4/24/84, 2115UTC 165
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



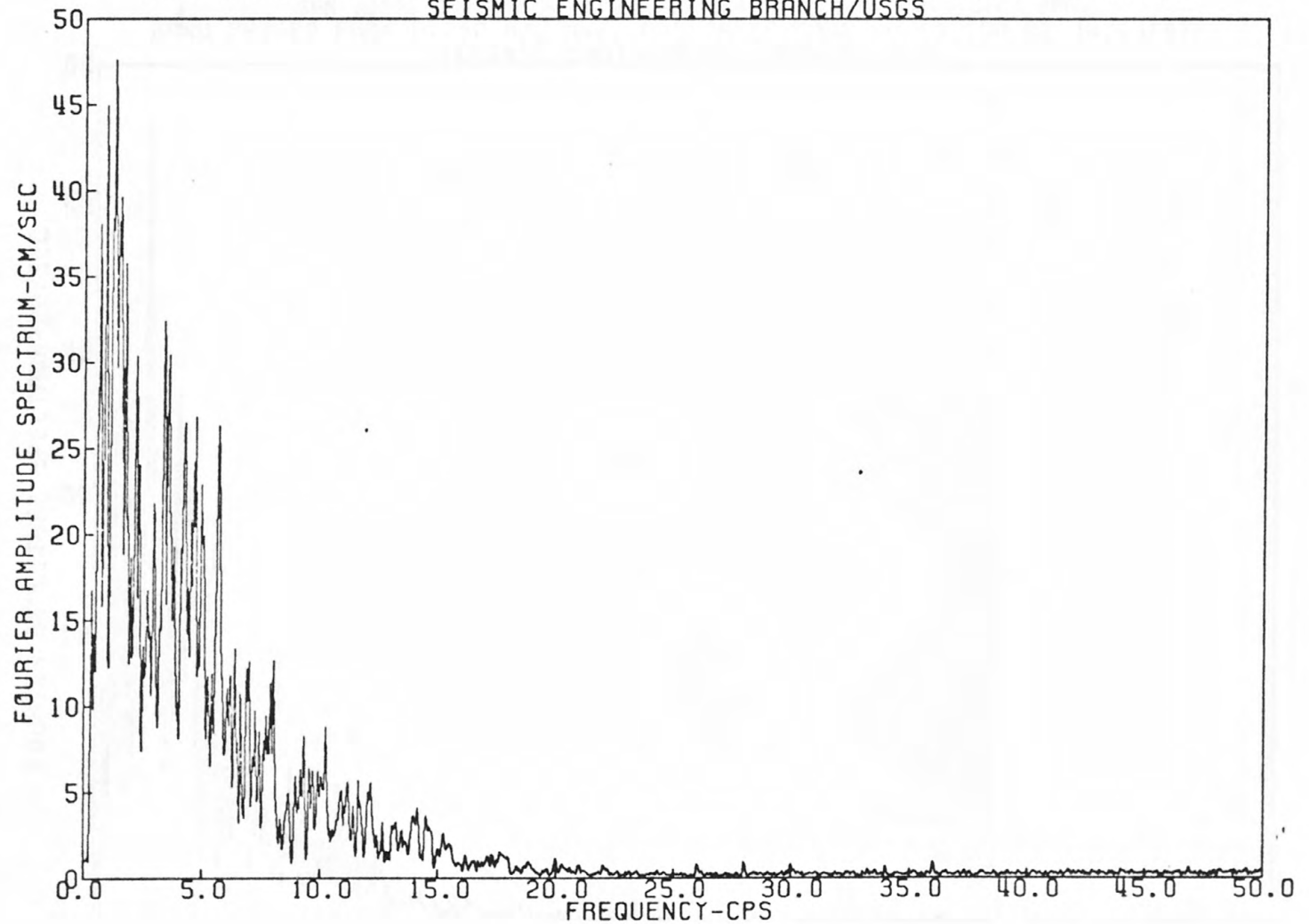
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE) 4/24/84, 2115UTC 360
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



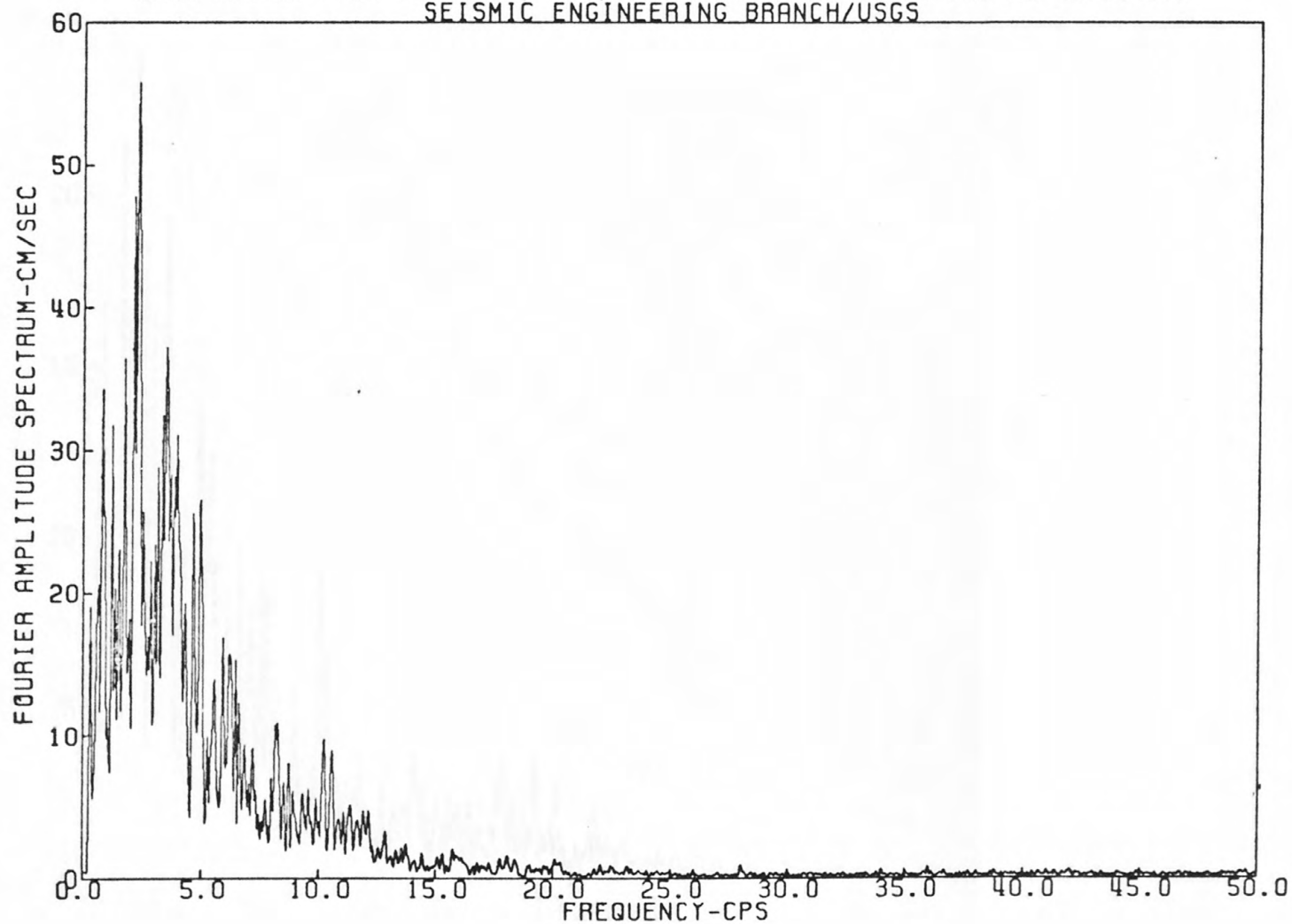
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE) 4/24/84, 2115UTC UP
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



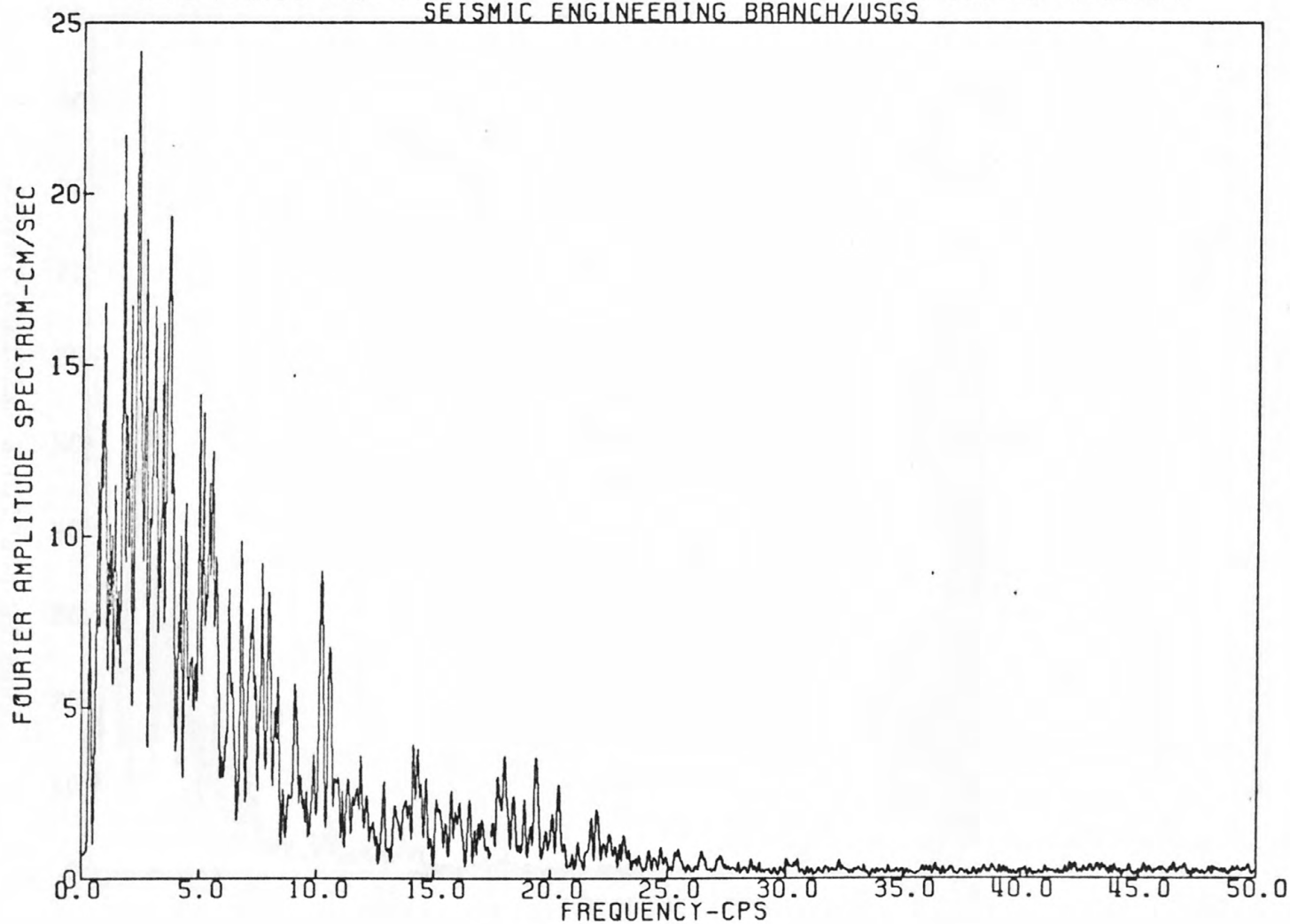
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE) 4/24/84, 2115UTC 270
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS



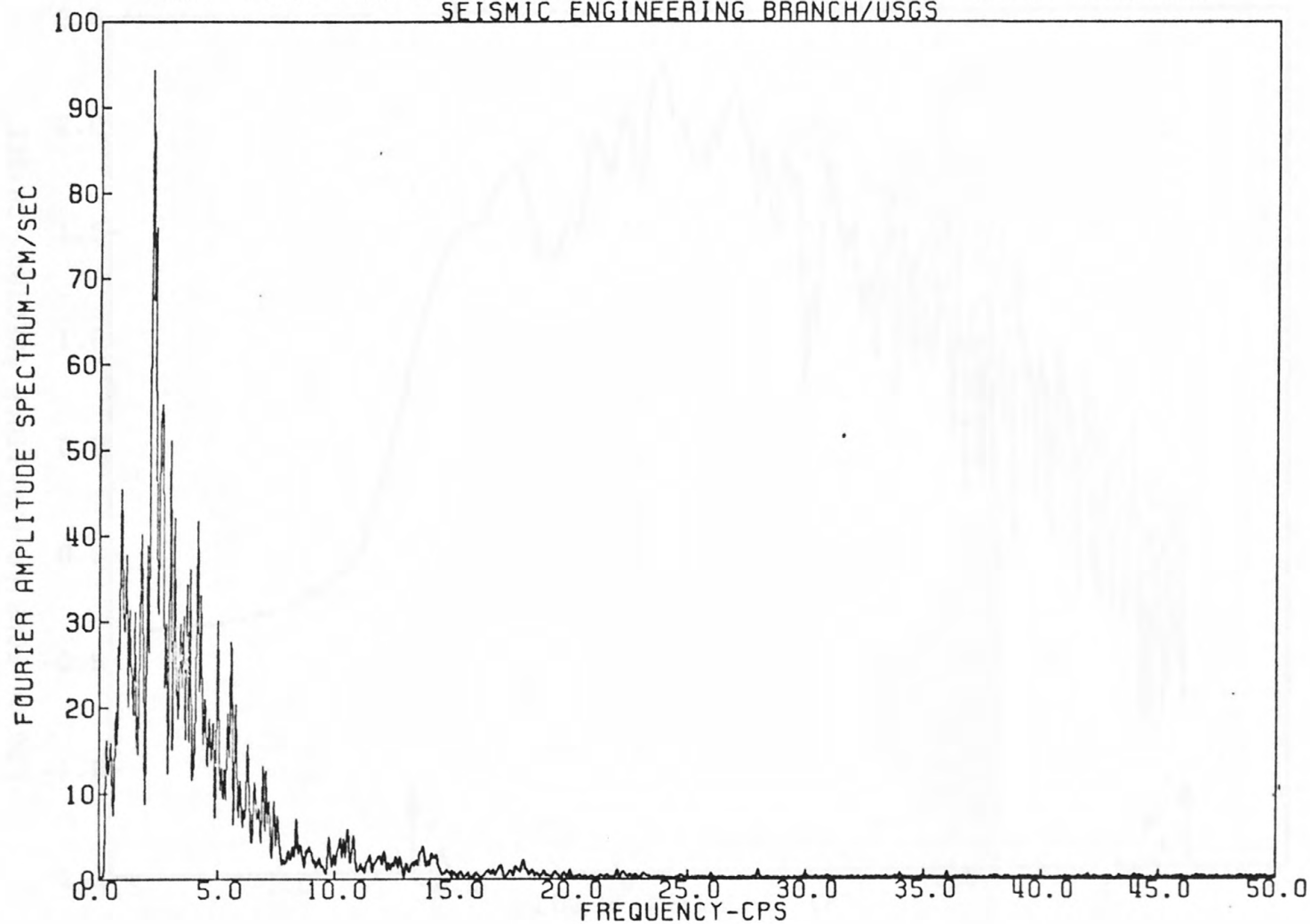
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
SAN JUSTO DAMSITE - LEFT ABUTMENT 4/24/84, 2115UTC 360
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS

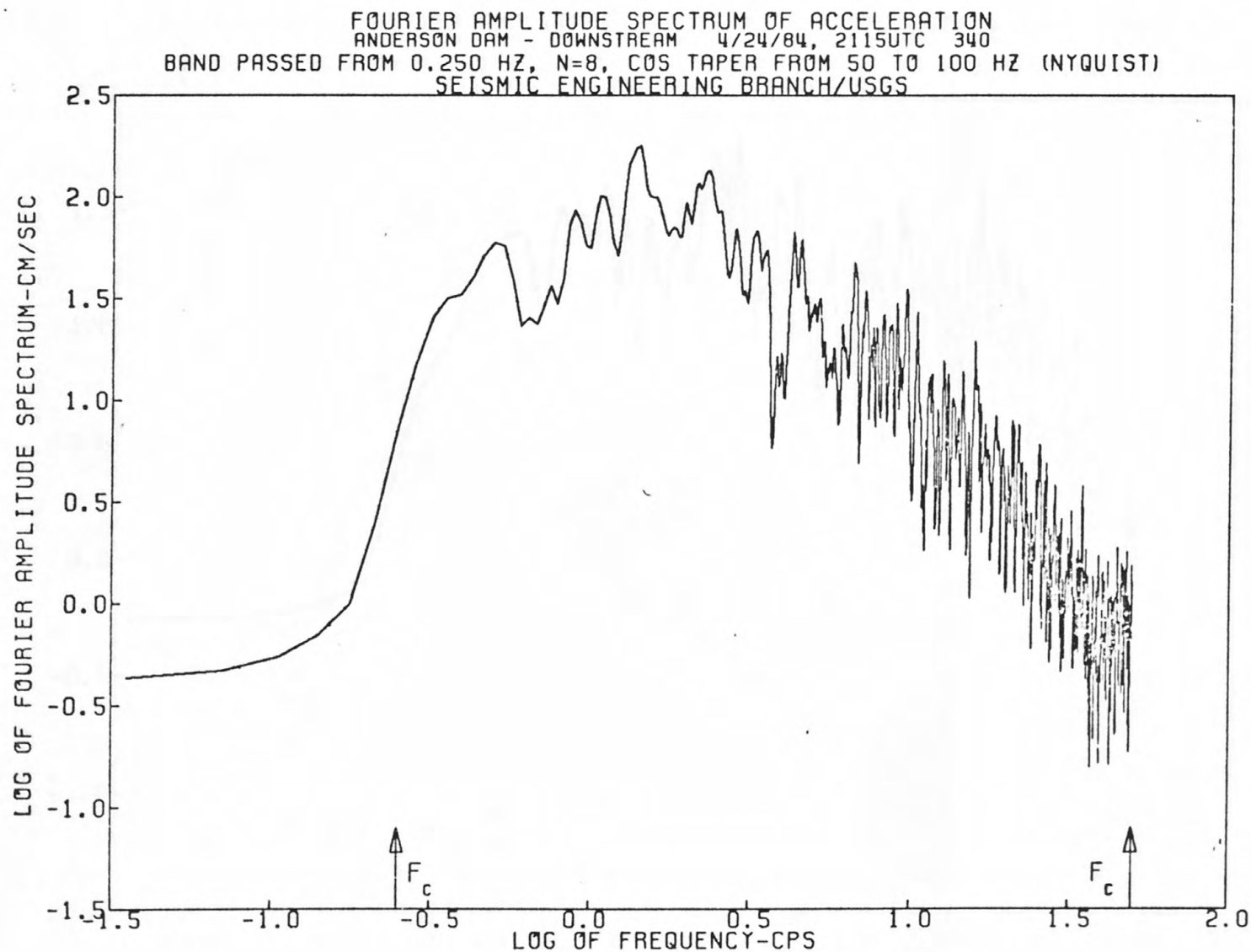


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
SAN JUSTO DAMSITE - LEFT ABUTMENT 4/24/84, 2115UTC UP
BAND PASSED FROM 0.280 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS

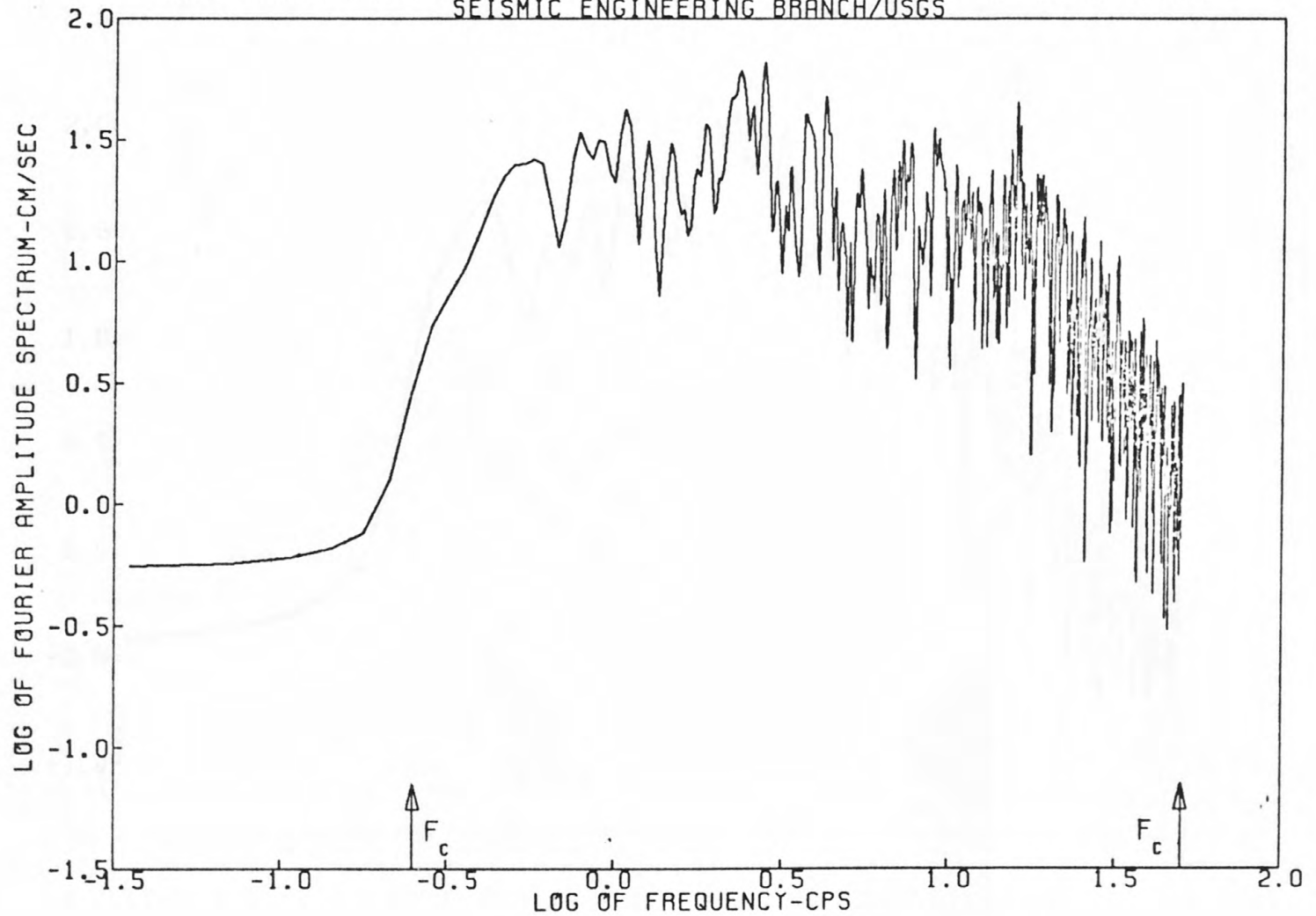


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
SAN JUSTO DAMSITE - LEFT ABUTMENT 4/24/84, 2115UTC 270
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS

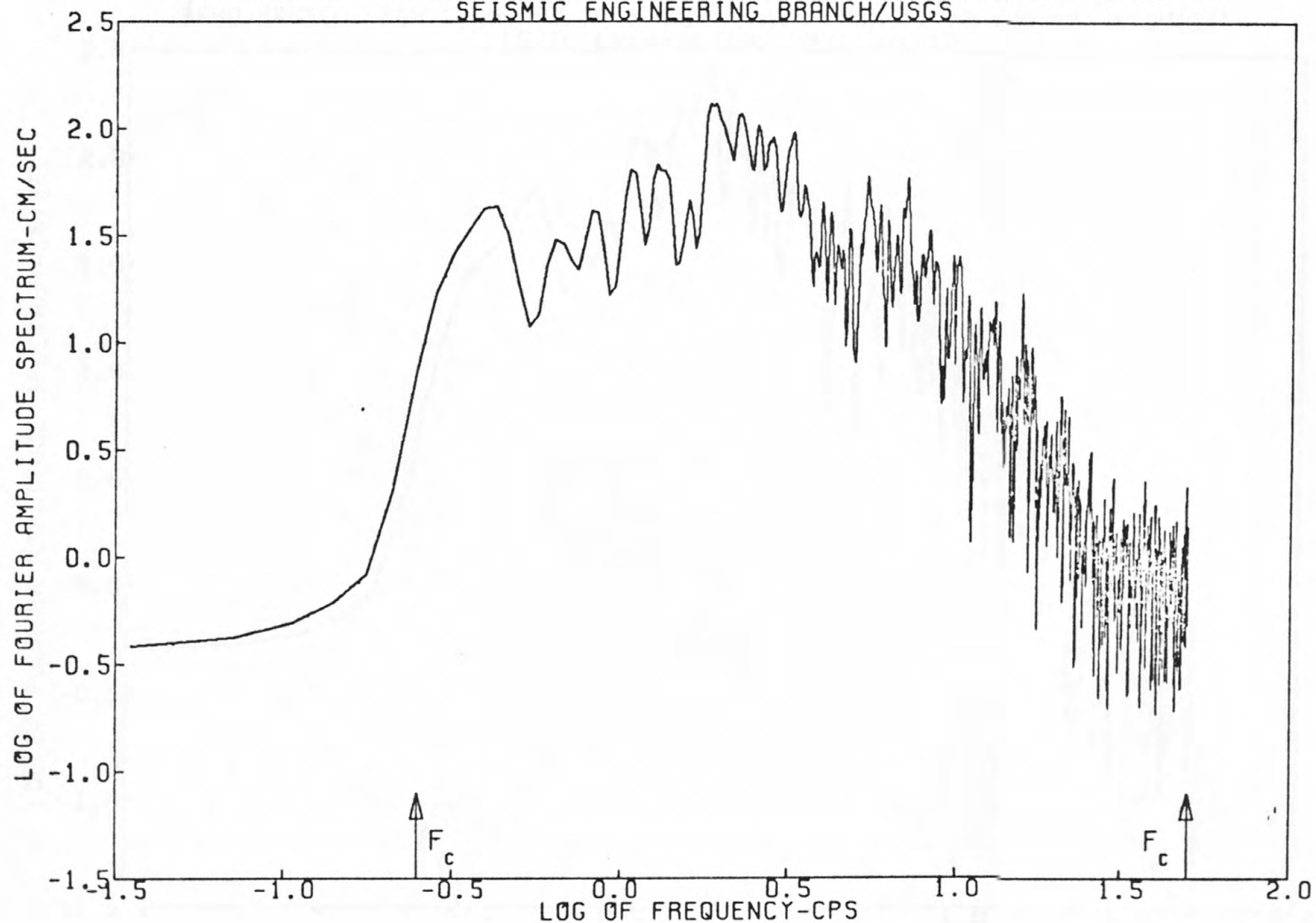




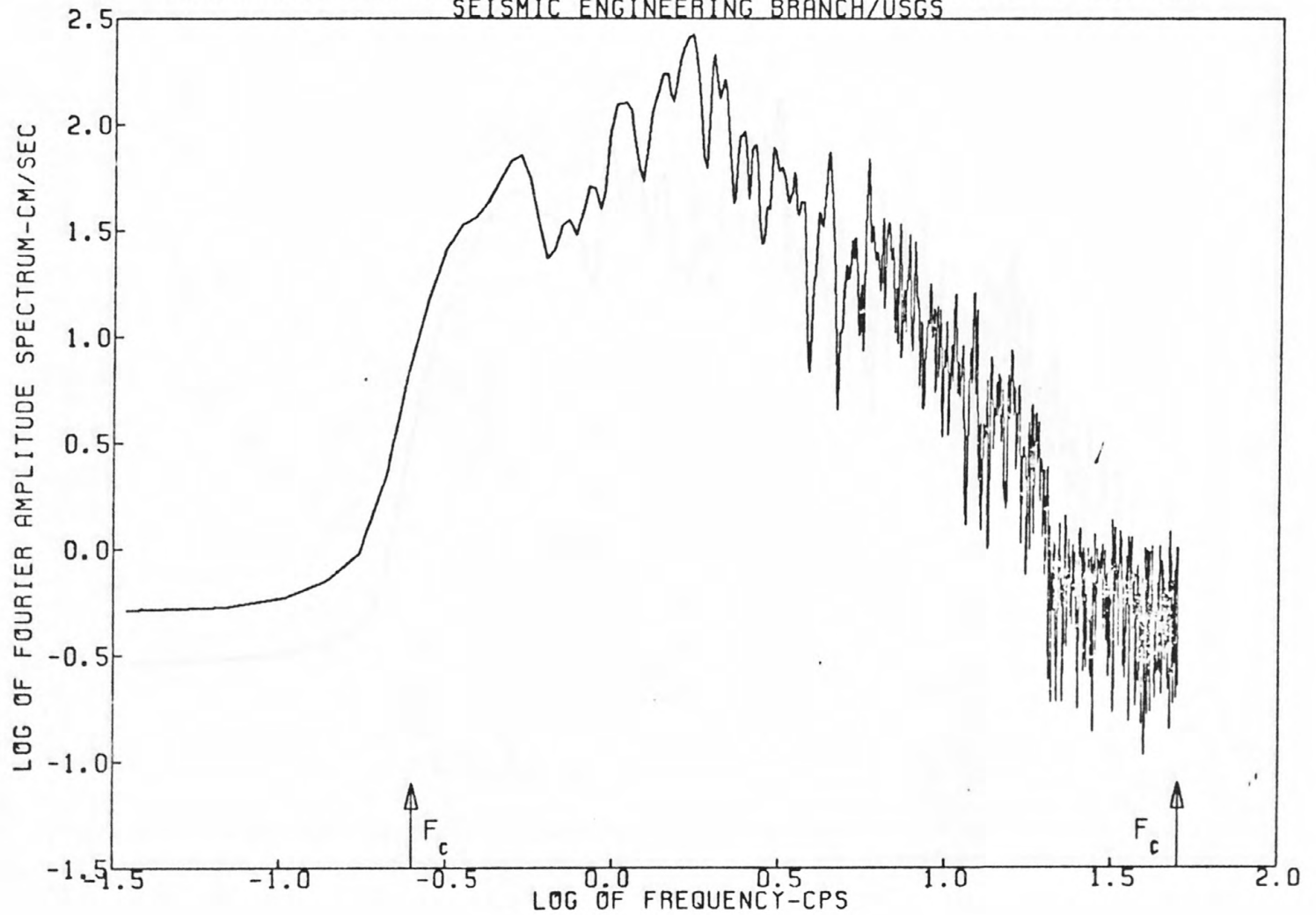
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 ANDERSON DAM - DOWNSTREAM 4/24/84, 2115UTC UP
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



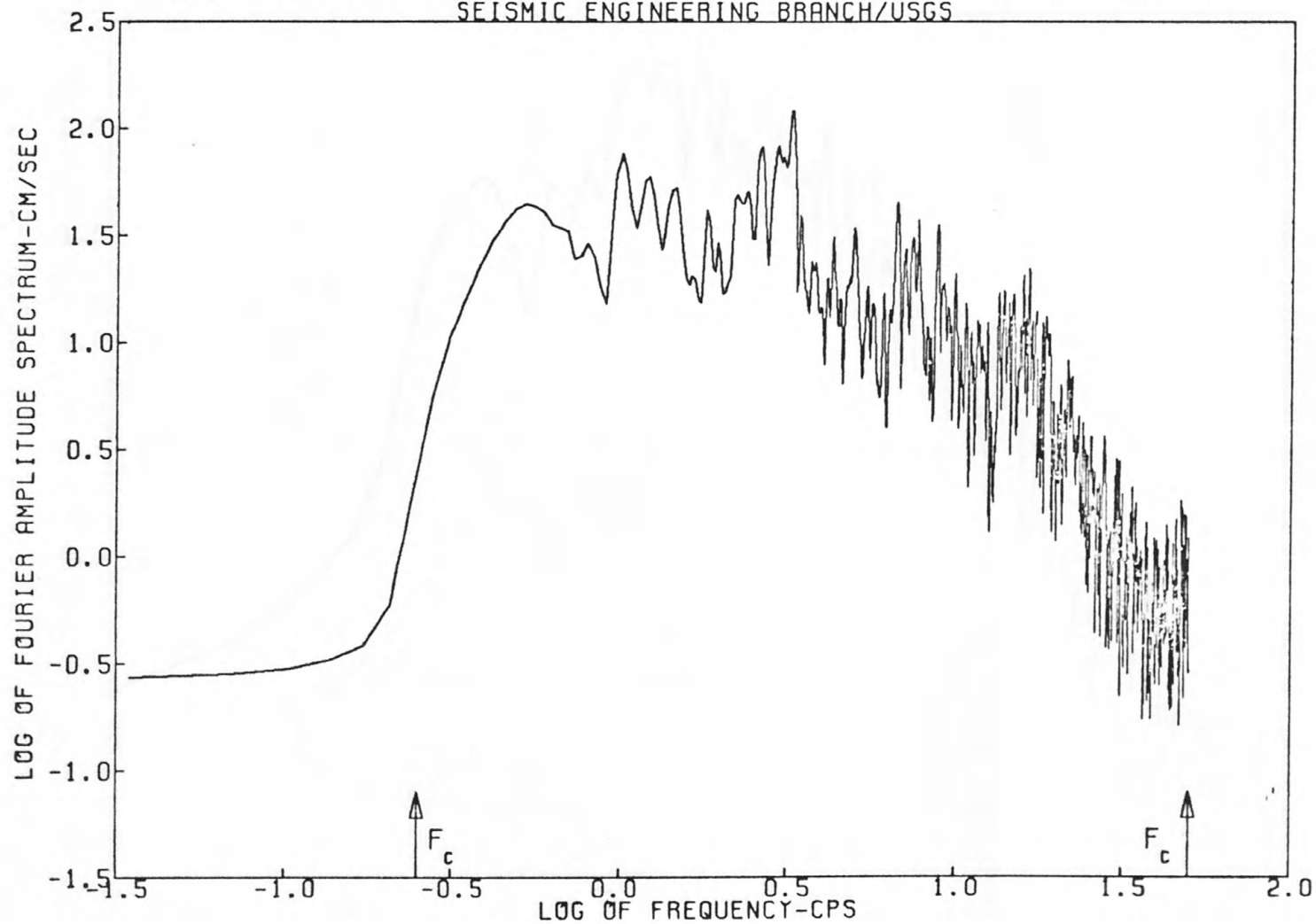
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 ANDERSON DAM - DOWNSTREAM 4/24/84, 2115UTC 250
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS

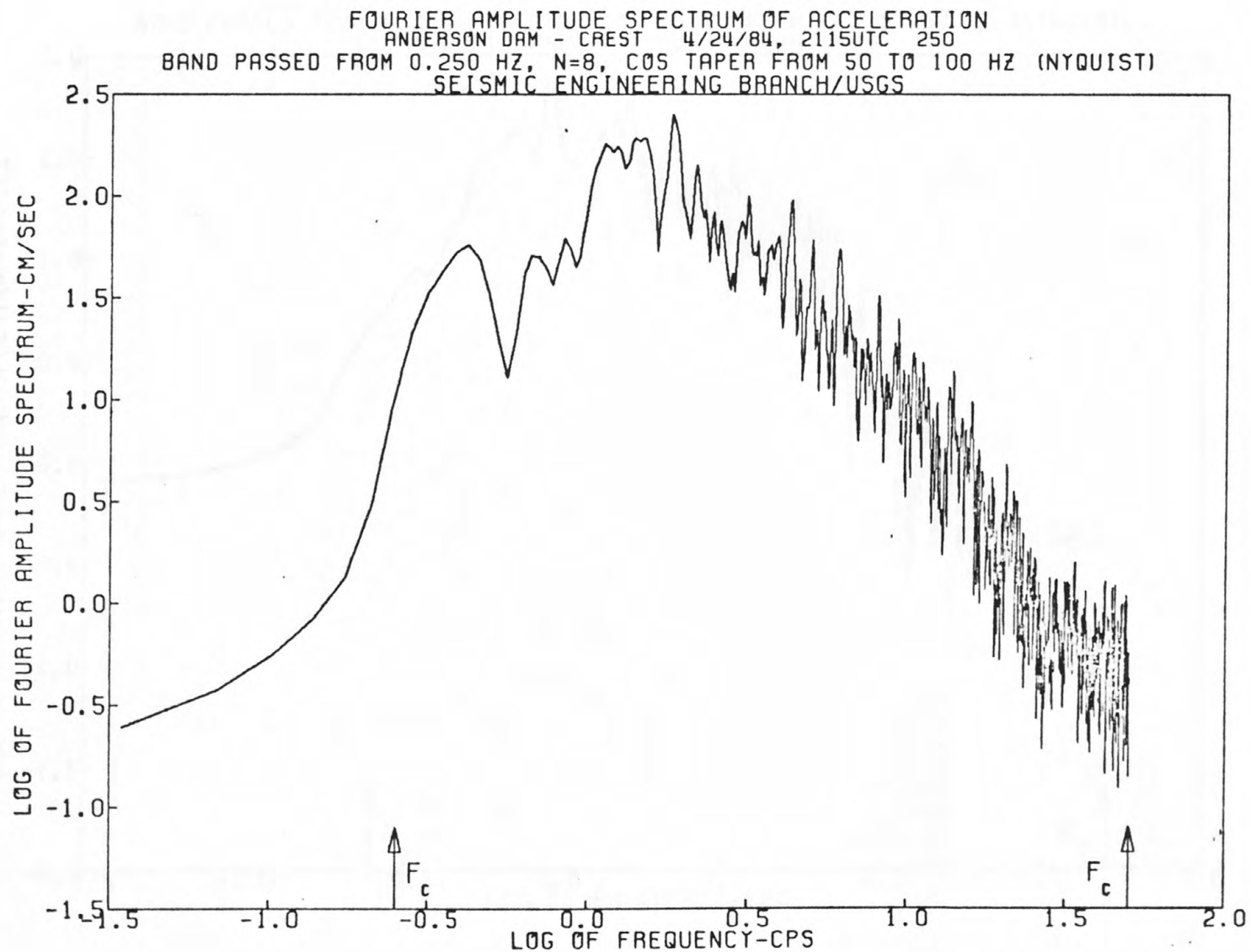


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 ANDERSON DAM - CREST 4/24/84, 2115UTC 340
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS

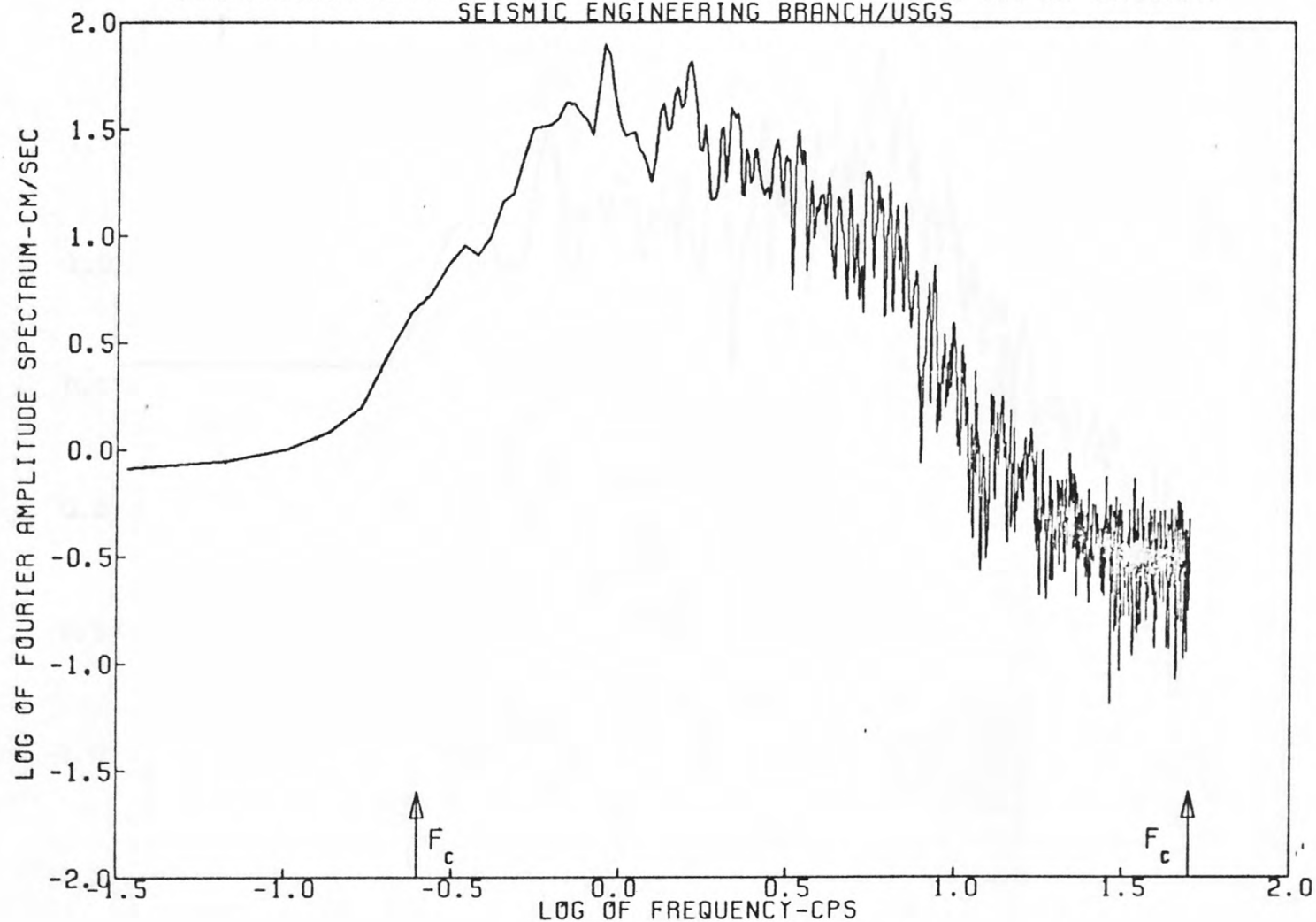


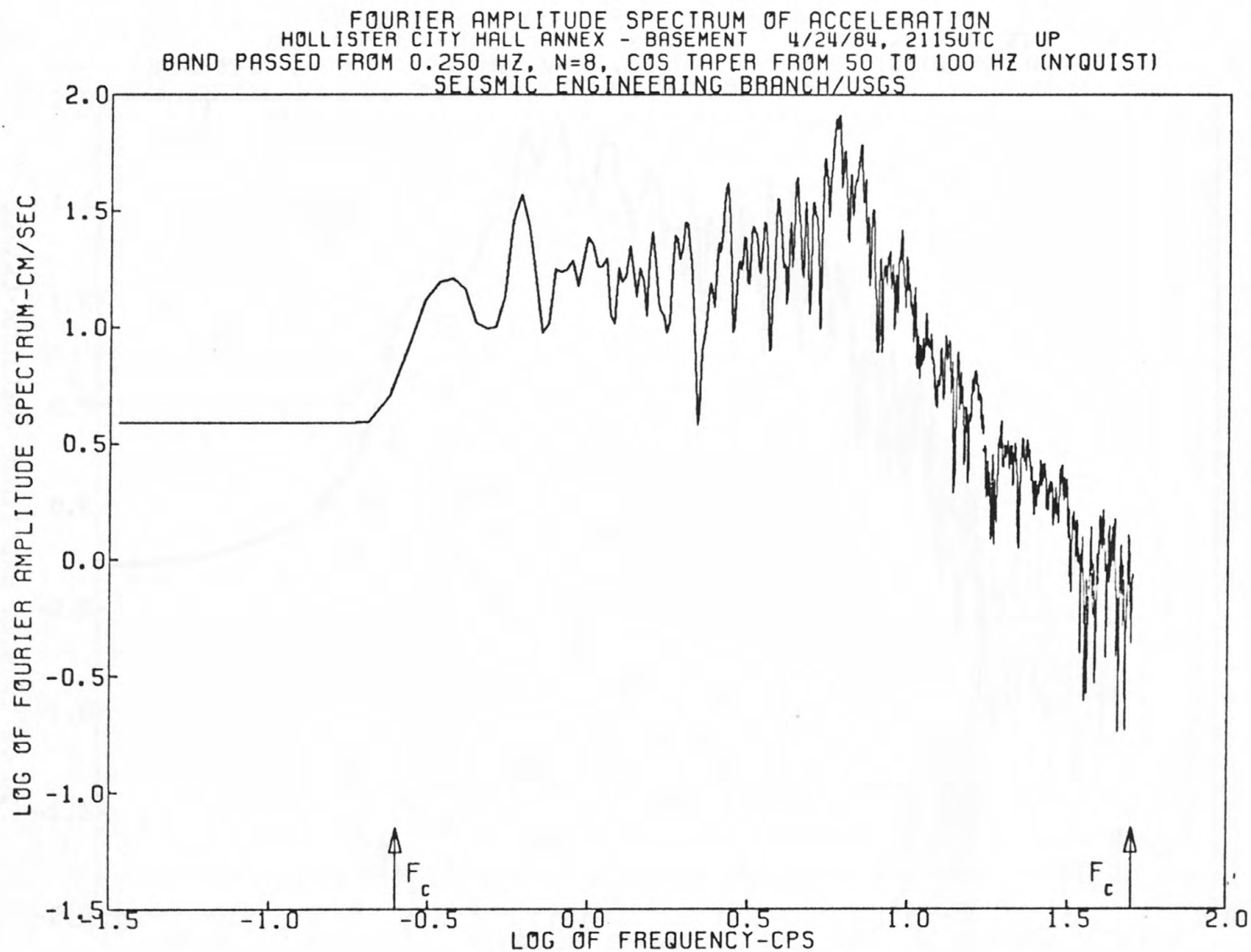
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 ANDERSON DAM - CREST 4/24/84, 2115UTC UP
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



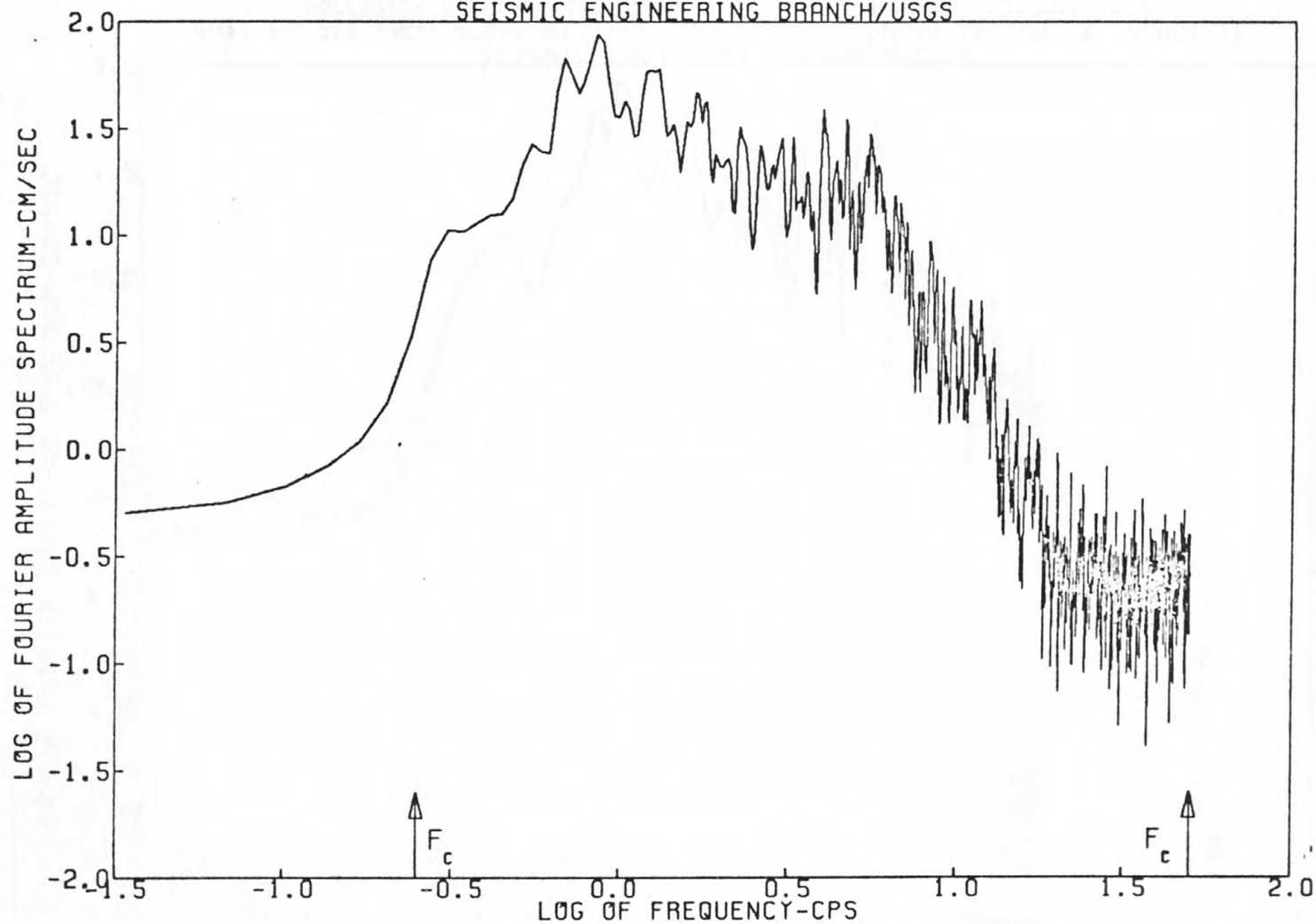


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 HOLLISTER CITY HALL ANNEX - BASEMENT 4/24/84, 2115UTC 1
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS

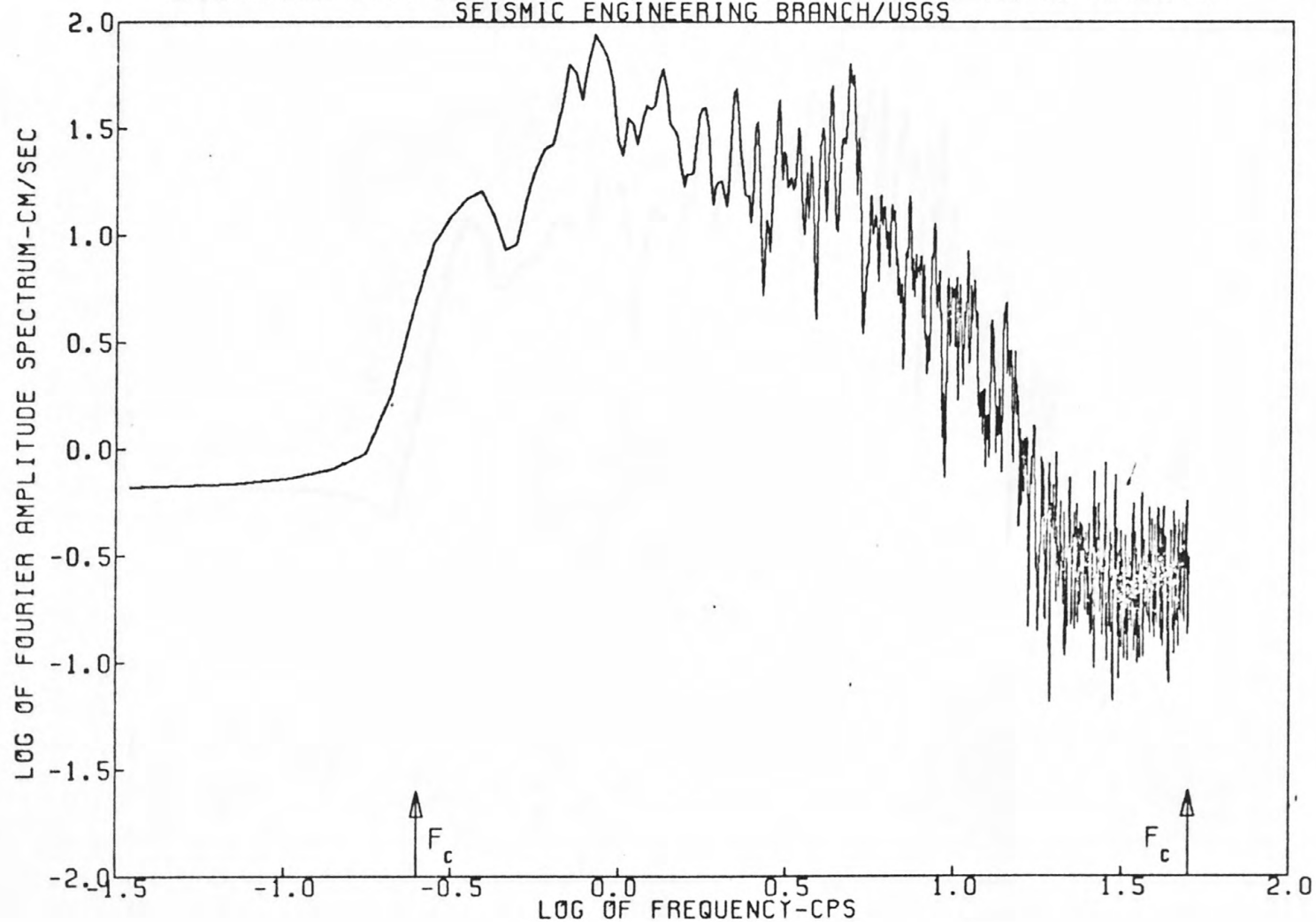




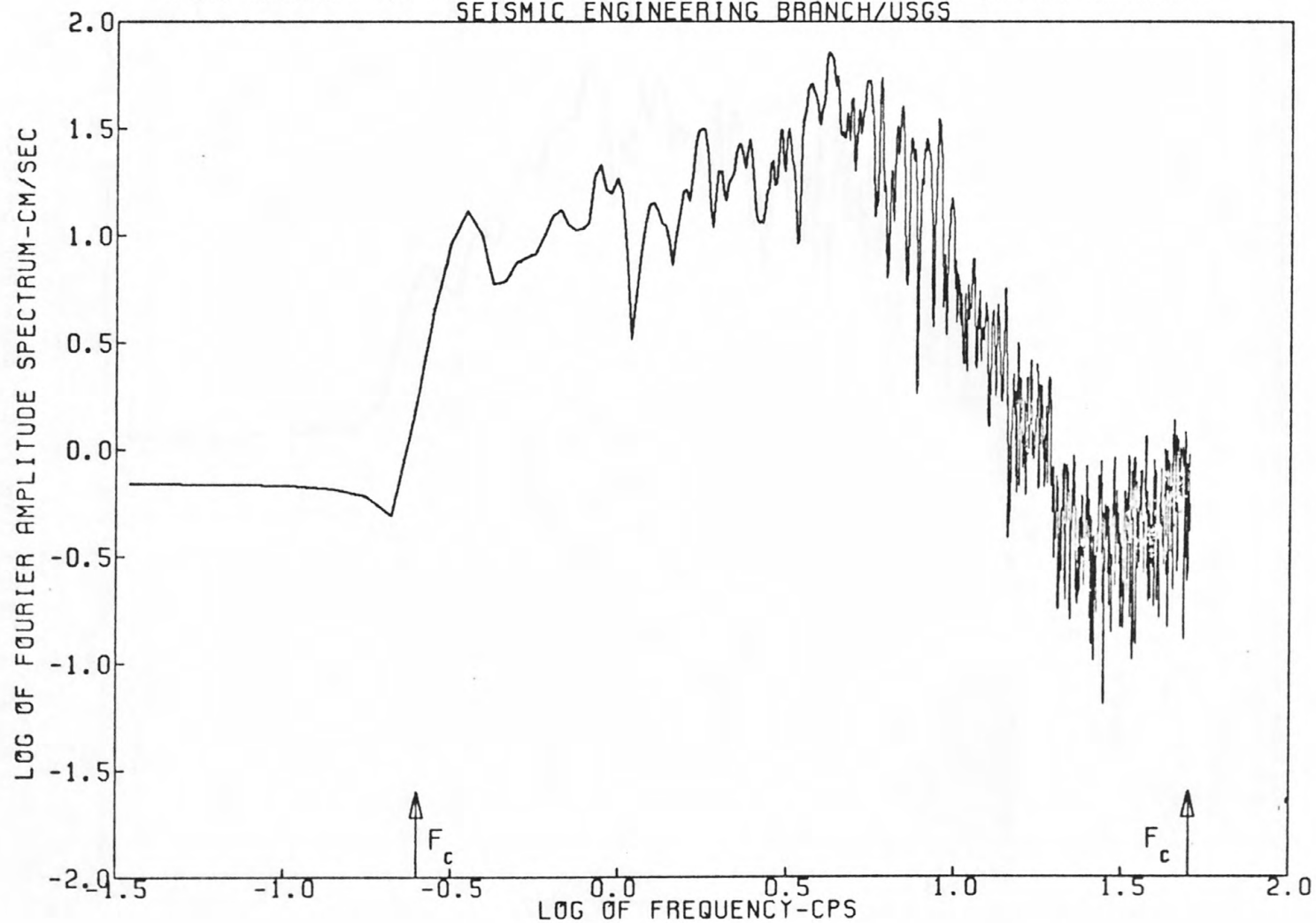
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 HOLLISTER CITY HALL ANNEX - BASEMENT 4/24/84, 2115UTC 271
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



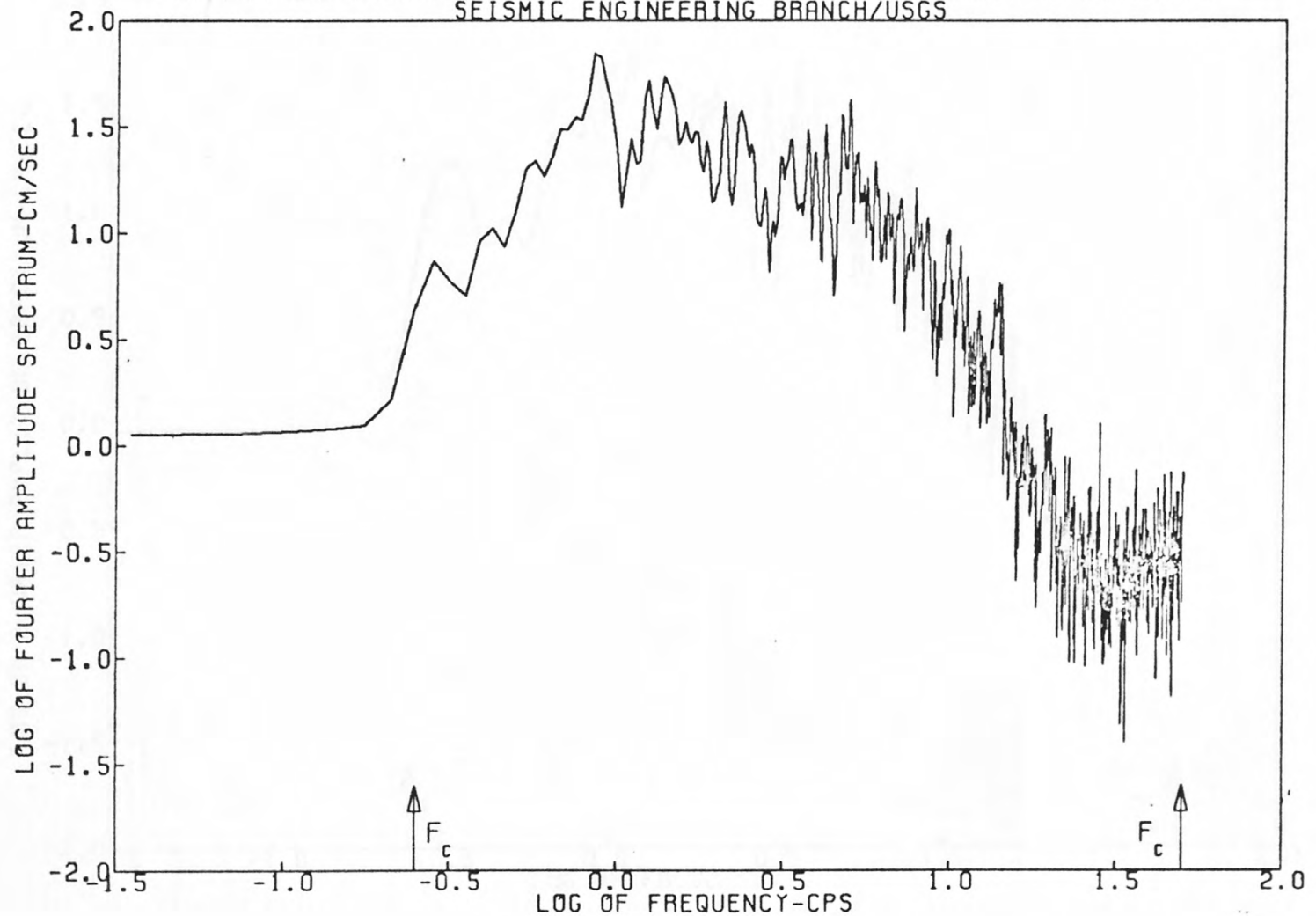
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T) 4/24/84, 2115UTC 255
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



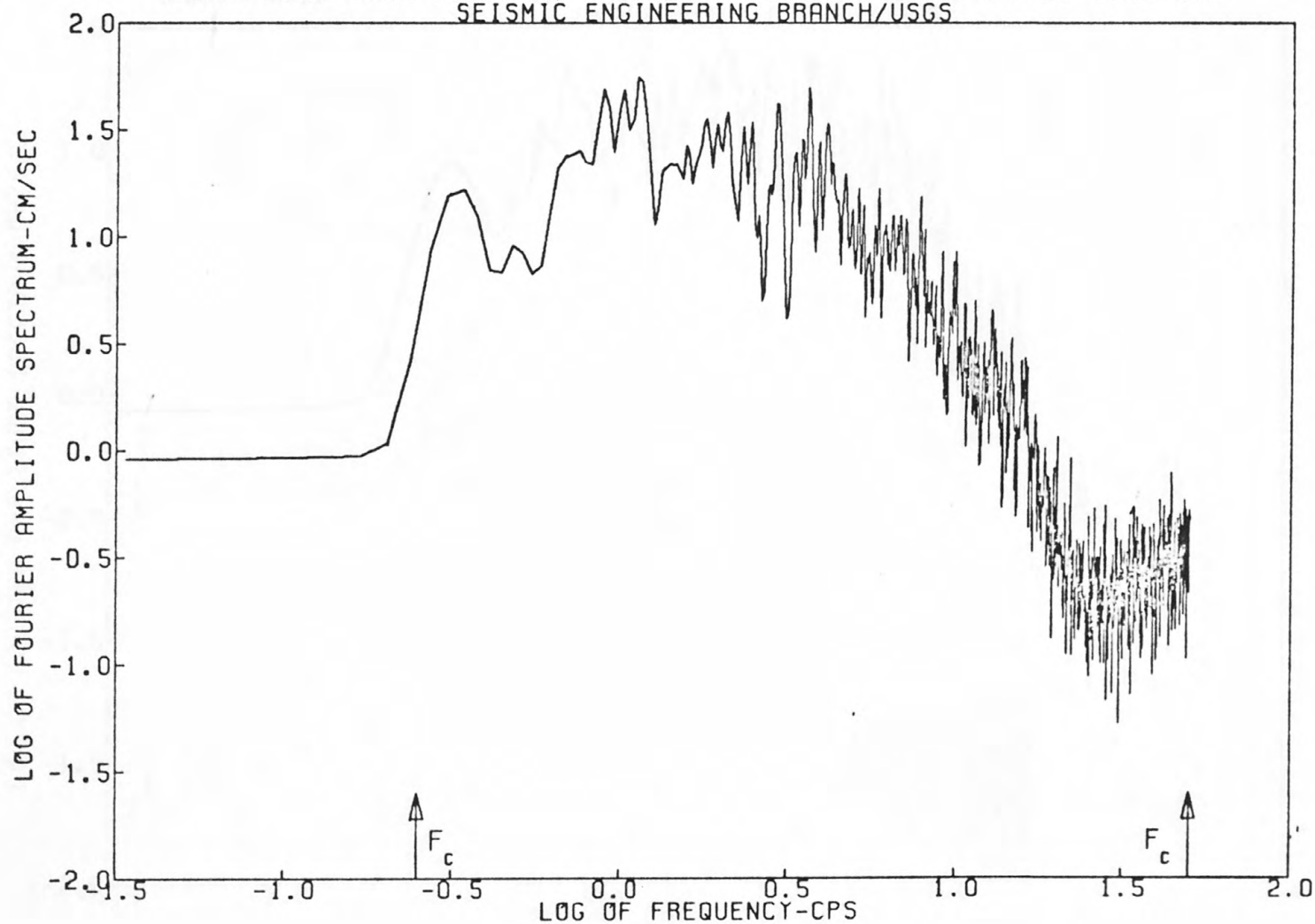
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T) 4/24/84, 2115UTC UP
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



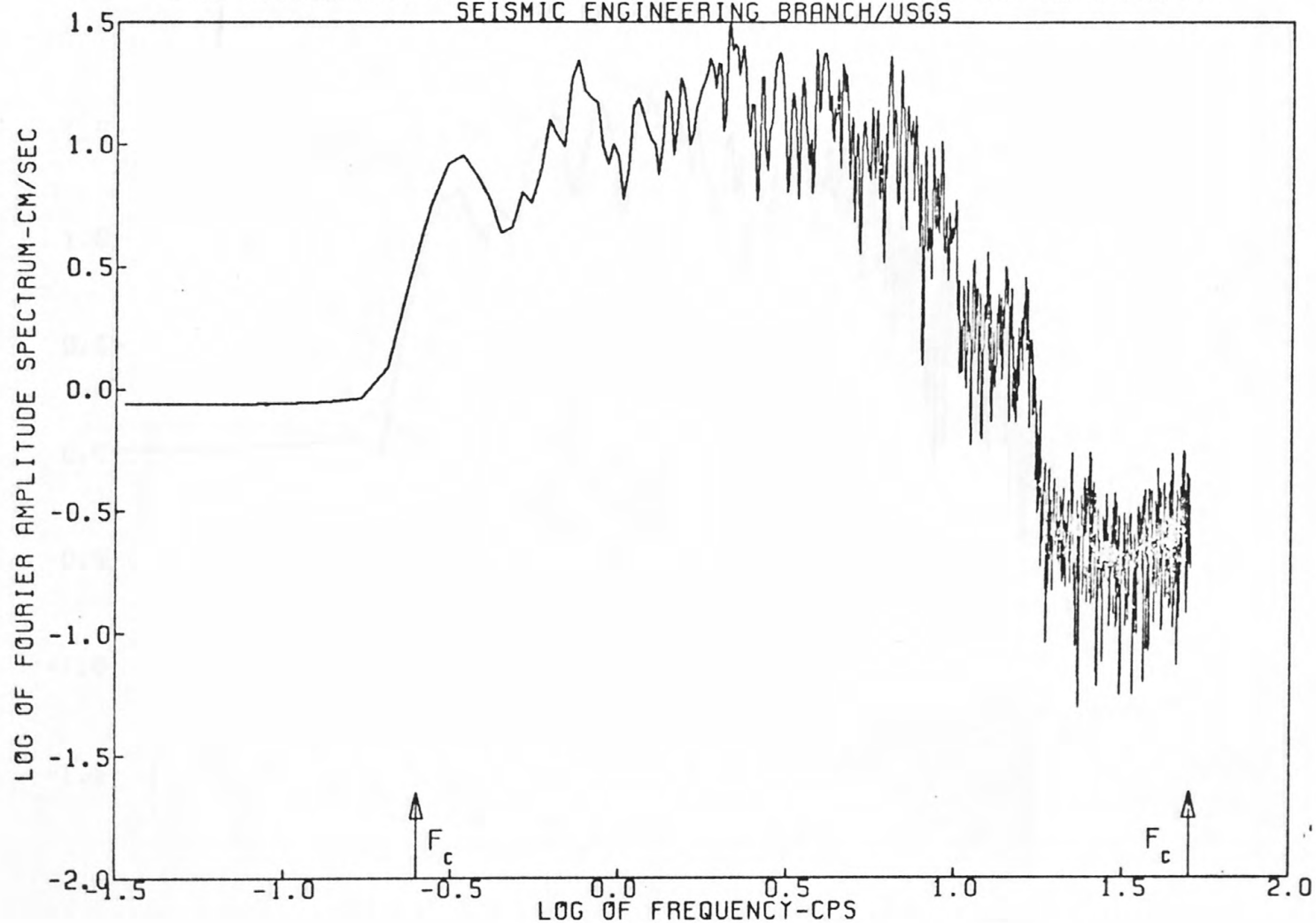
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 HOLLISTER DIFFERENTIAL ARRAY (SMA-1T) 4/24/84, 2115UTC 165
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 SEISMIC ENGINEERING BRANCH/USGS

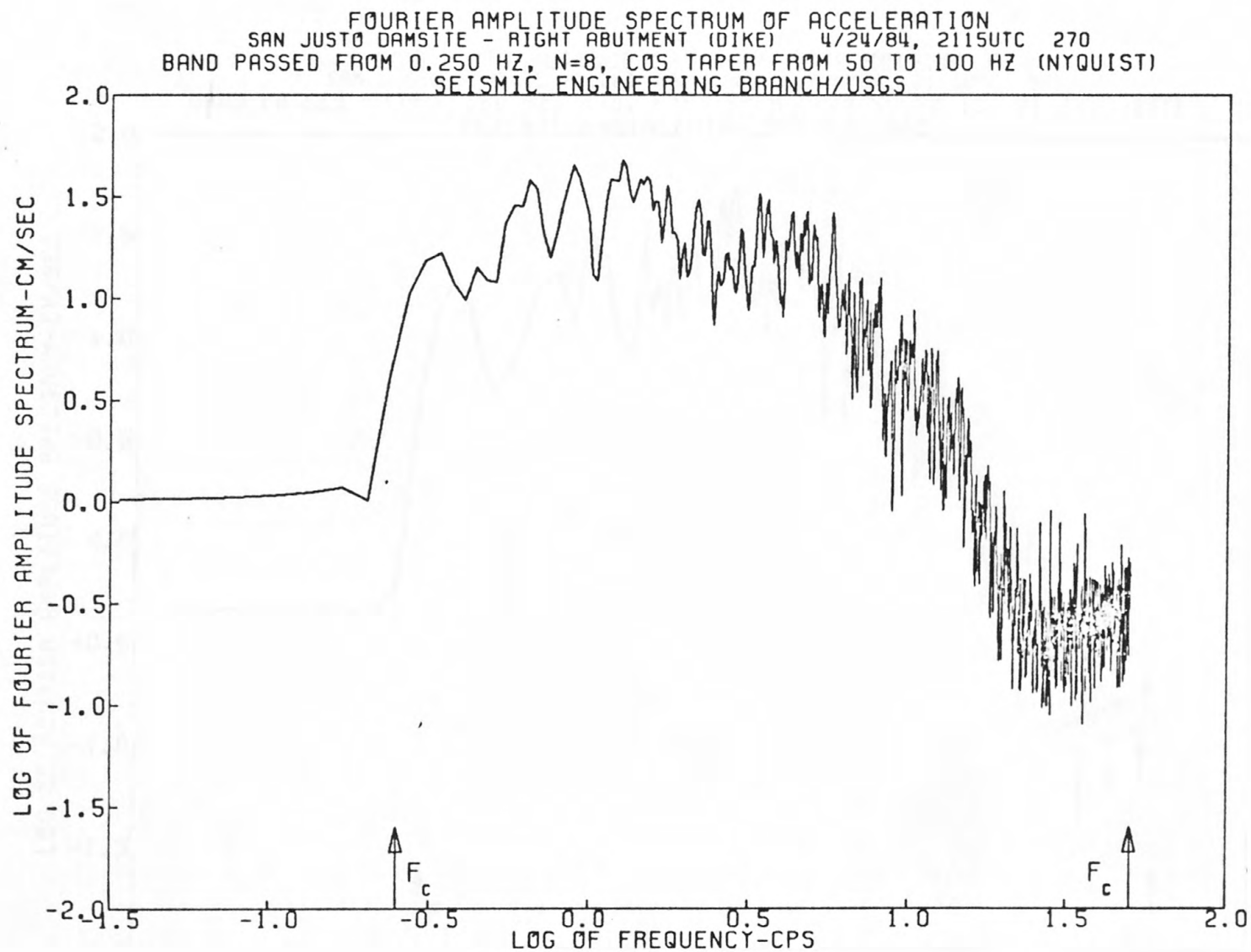


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE) 4/24/84, 2115UTC 360
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS

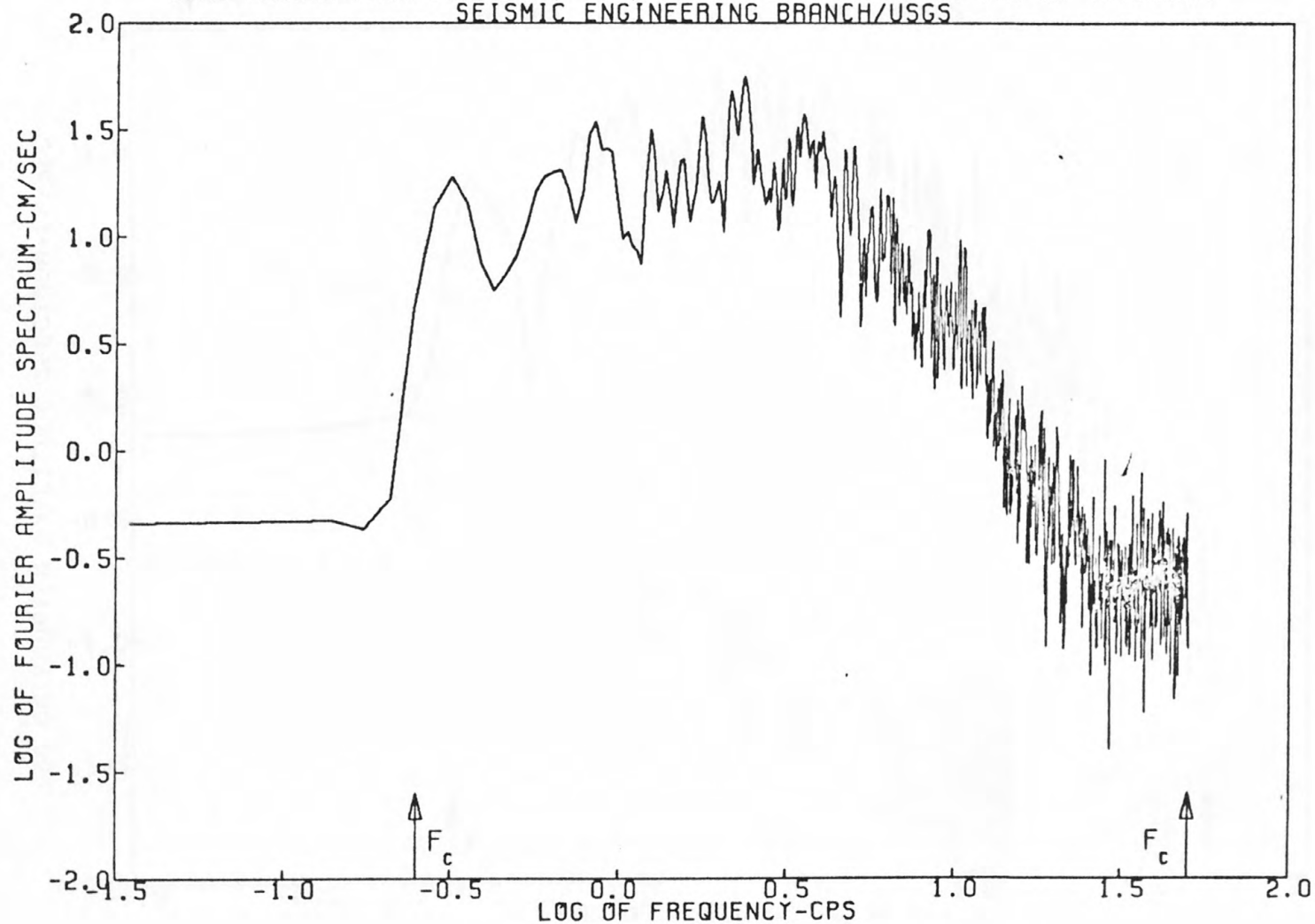


FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 SAN JUSTO DAMSITE - RIGHT ABUTMENT (DIKE) 4/24/84, 2115UTC UP
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS

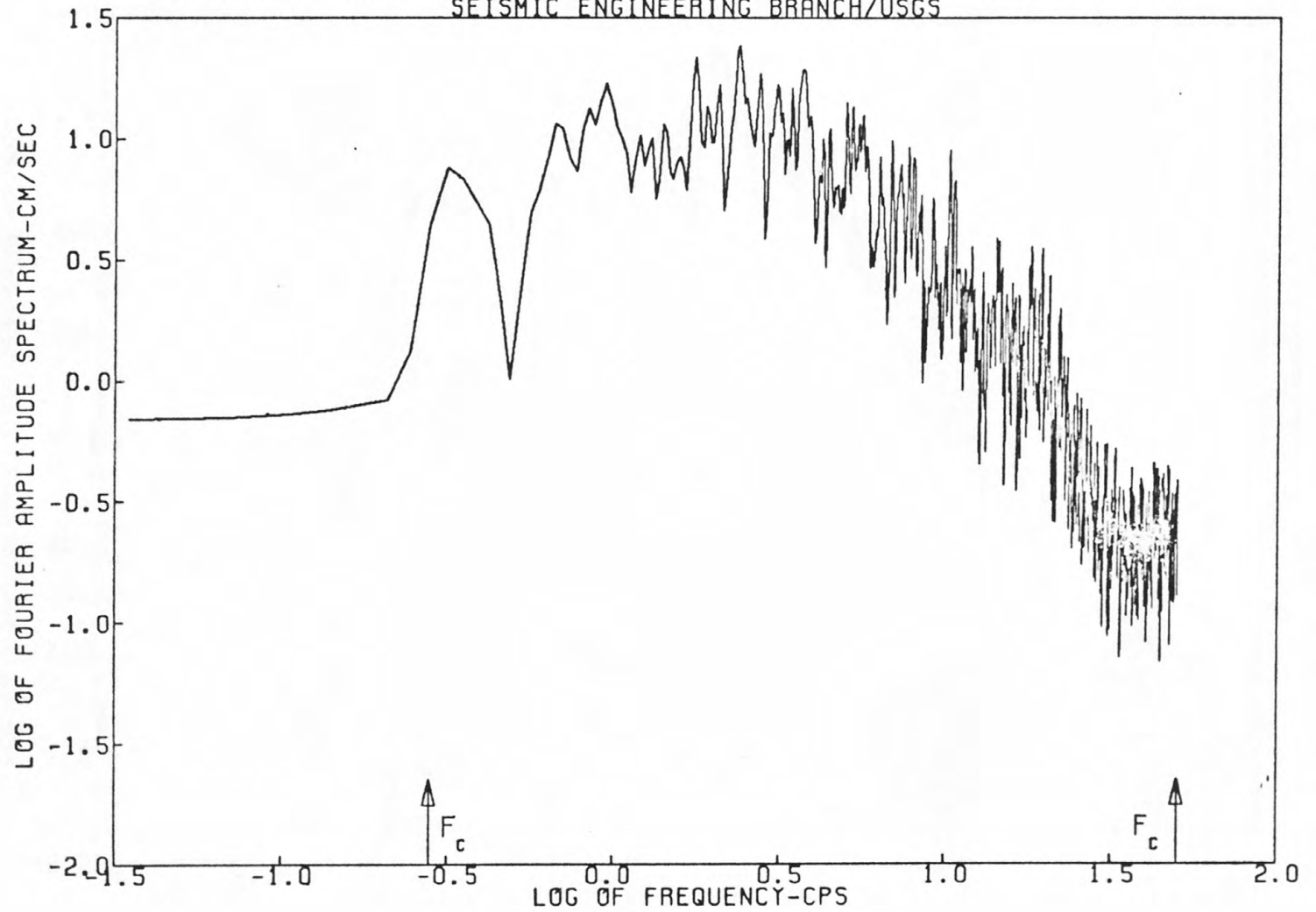




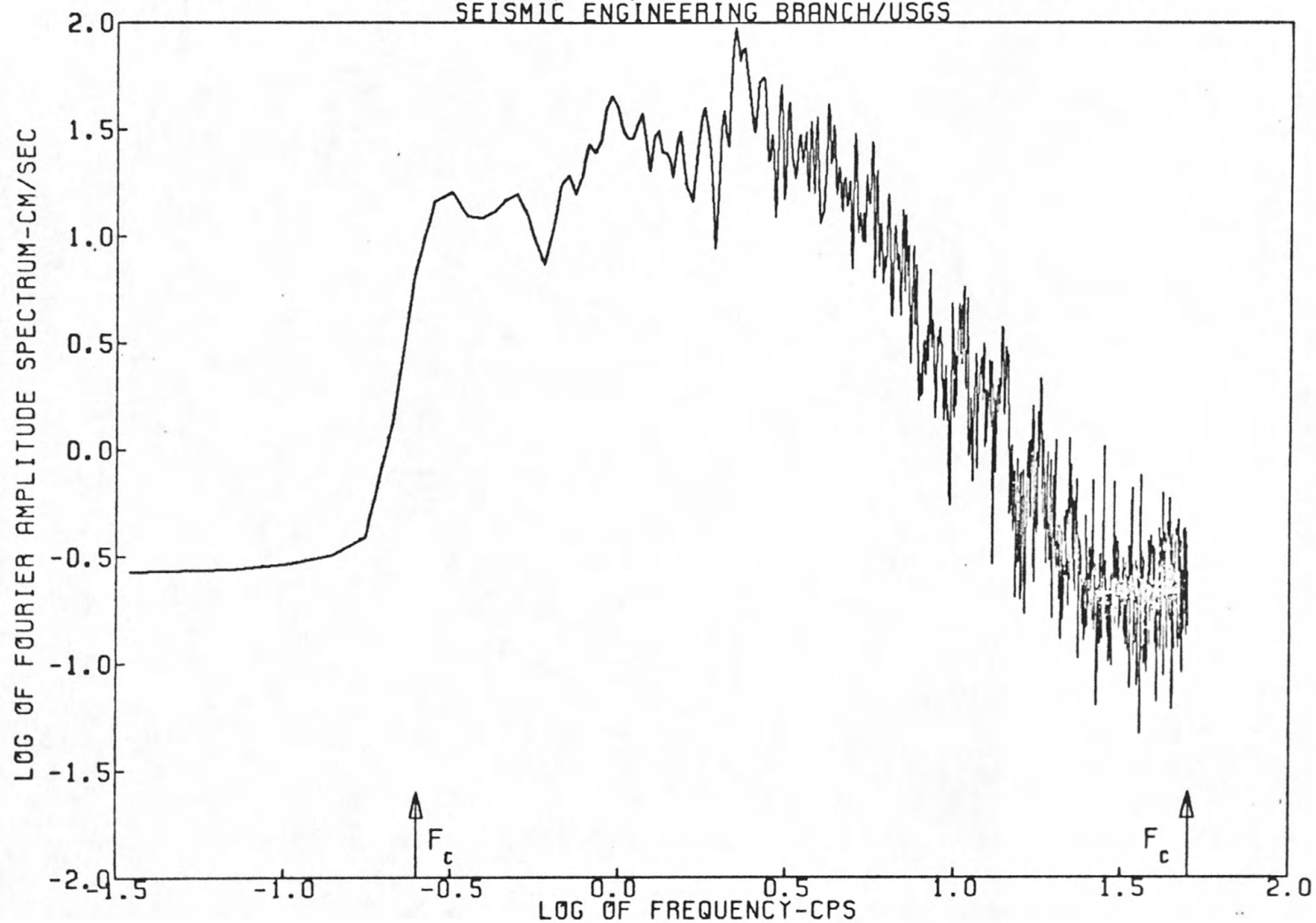
FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 SAN JUSTO DAMSITE - LEFT ABUTMENT 4/24/84, 2115UTC 360
 BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
 SAN JUSTO DAMSITE - LEFT ABUTMENT 4/24/84, 2115UTC UP
 BAND PASSED FROM 0.280 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
 SEISMIC ENGINEERING BRANCH/USGS



FOURIER AMPLITUDE SPECTRUM OF ACCELERATION
SAN JUSTO DAMSITE - LEFT ABUTMENT 4/24/84, 2115UTC 270
BAND PASSED FROM 0.250 HZ, N=8, COS TAPER FROM 50 TO 100 HZ (NYQUIST)
SEISMIC ENGINEERING BRANCH/USGS





3 1818 00065197 4

