U. S. DEPARTMENT OF THE INTERIOR

U. S. GEOLOGICAL SURVEY

ZAYANTE SEISMIC EXPERIMENT: DATA REPORT

by

Zayante Seismic Experiment Team

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Open-File Report 92-561
October, 1992

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INTRODUCTION

During the Loma Prieta aftershock sequence, 24 sites in the epicentral area were equipped with PASSCAL Reftek recorders and Mark Products L-22 seismometers in order to collect aftershock data. Preliminary analysis of the recordings showed that some sites had very good signal-to-noise ratios. In order to investigate the effect of velocity heterogeneity beneath the sites, we installed a small 6-station array at three of the better sites (see Figure 1). Each array was arranged as two concentric triangles, the inner with a center-to-apex distance of 20-25 meters, and the outer with a center-to-apex distance of 200-300 meters (see Figure 2).

Analysis of data recorded by these arrays showed that waveforms on the horizontal components had very low coherence, and particle motions were significantly different on different instruments. This was true even for sites only 20 meters apart. To investigate this phenomenon, we decided to study the horizontal particle motions of events recorded at the ZAYA array located at the Zayante vineyard. We analyzed 10 aftershocks which had different focal mechanisms and azimuths (see Figure 1). Our analysis was restricted to the shear waves from each event since shear waves cause most of the damage to buildings during earthquakes.

For each event, we determined the shear wave polarization direction and compared it with the direction expected from the focal mechanism (Bonamassa et al., 1991; Vidale et al., 1991). This was done for the direct and scattered shear waves, using a five-second window starting at the shear wave arrival. We found that the polarization direction was

controlled by the site more than the source. The analysis of the initial 0.5 second of the shear wave arrival shows good agreement with the expected direction of motion, but later arrivals are often larger and in different directions. We call this phenomenon directional site resonance.

EXPLOSION EXPERIMENT

In May 1991 Donna Eberhart-Phillips of the USGS conducted a two-day explosion experiment in the Santa Cruz mountains. We used this occasion to deploy a small aperture array in the same area where the ZAYA array had been deployed. It was our intention to completely instrument the area formerly within the inner triangle of the ZAYA array. However, there were many obstacles to the deployment of 20 instruments. Furthermore, during the survey of the area, we discovered that an old shack had been razed decades ago, and the detritus had been buried close by. Thus we decided to deploy the array near station Z5 (Figure 2). The observed directional site resonance at Z5 changes continuously with frequency, going from nearly North-South at 1 Hz to nearly East-West at 10 Hz. The array was deployed along the side of a gently sloping hill (Figure 2) and had dimensions of 40 x 60 meters.

Analysis of particle motion from the recorded explosions shows that the polarization direction changes smoothly across the array, and it seems to be more consistent for the stations at the top of the hill than at the bottom. The polarization direction at some instruments appears to be influenced more by the site than by the location of the explosions. The site-dependence and frequency-dependence of the shear wave polarization does not apply to the entire wave train. Rather, it applies only to energy arriving after the first shear wave pulse. Therefore, anisotropy or similar phenomena cannot explain the data since they would act on the whole wave train. The observed site effect acts on the reverberations or scattered energy. We interpret the directional resonances as the result of geological features along the ray-path to the surface that amplify the particle motion in selected frequency

bands, in particular directions. This direction-dependent amplification alters the particle motion.

The actual geologic features that cause this amplification are not known. Perhaps lateral gradients in near-surface shear wave velocity could cause resonances that change across short distances. Since the Loma Prieta data show that the preferred direction can change on a scale of 25 meters and can remain constant through the shear wave onset and coda, these features must be very close to the receivers, probably within a few tens of meters. These observations, and the lack of detailed geologic information about the area suggest a need to conduct a shallow refraction survey.

SHALLOW REFRACTION EXPERIMENT

For this refraction experiment, we used two types of seismic sources. We used a sledge hammer as a source of compressional waves and an air-powered shear-wave generator designed by Liu et al. (1988) as a source of shear waves. The array consisted of 23 Mark Products L-22, three-component seismometers arranged as a cross oriented north-south and east-west (see Figure 3). Each sensor was buried to a depth between 1 and 2 feet. In order to improve coupling with the ground and to help thermal insulation of the sensors, the bottom of each hole was covered with sand and sand was packed around each seismometer after leveling. The exact location of sensors is listed in Table 1a and the location of sources in Table 1b. Since it was time consuming to set up the shear wave source, we did not attempt to use it at every sensor location. Rather, we operated the shear wave source at both ends of each line of geophones and at the center of the array (see Figure 3). At station N6 (center of the array) the shear source was operated in both N-S and E-W orientations. The shear source was operated in both left-hand and right-hand shear modes. The sledge hammer source was used at each seismometer location as well as at each shear source location.

The recording system was a 64 channel, portable, PC-based seismic system designed by W. H. K. Lee (Lee, 1989; Lee and Dodge, 1992). This system uses a 16 MHz 386sx portable PC with a Data Translation A/D board and Quesig multiplexer. The system digitizes up to 64 channels with 16-bit resolution at up to 200 samples/second/channel. It displays digitized data in real time and saves data continuously or by event. Although the system is portable, it requires AC power which is supplied by a 12-volt battery via

an uninterruptible power system. To simultaneously monitor all 23 of the 3-component geophones requires more channels than the PC system had available, so we simply switched cables so that the line containing the source always had a full complement of 12 sensors.

COLLECTED DATA

Each source was applied between 5 and 10 times so that signals could be stacked for noise reduction. However, in this report, we present 204 typical waveforms collected from each source. These waveforms are shown in Figures 6-210, and are also included as files on the diskettes that accompany this report.

Compressional sources were located at each seismometer location (labelled Pxxx, where xxx is the station number), and at shear source locations (labelled as P1, P2, P3, and P4), as shown in Figure 3 (P2 was repeated one more time, and labelled P2A and P2B in Table 2). Please note that S1 and P1 were located next to station N1, and S5 and S6 were located next to station N6. In addition, N6 is at the center of the array so that it is also part of the east-west line, between stations E3 and E4. Thus there are 27 compressional sources recorded on three components along 2 lines, for a total of 162 waveforms. Table 2 is an index to the waveforms which relates the source, waveform file, line and component, and the page on which the waveform is displayed.

Shear sources S4, S6, and S3 were located along the east-west line of the array and were oriented north-south. Shear sources S1, S5, and S2 were located along the north-south line of the array and were oriented east-west. Source S2 was at the north end of the array and was oriented north-south. Each source was recorded in both right-hand and left-hand mode and S2 was repeated one more time (labelled S2A and S2B in Table 2), so there are a total of 14 three-component shear source recordings included in this data report.

The seismic records were plotted using a program called SudsPlot (Banfill, 1992). Data

processing procedure of the PC-based system is described in Lee and Dodge (1992).

REFERENCES

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Table 1a. Station locations

Station Name	Inclined Distance (meters)	Azimuth (degrees)	Vertical Angle (degrees)	Horizontal Distance (meters)	North Projection of HD (meters)	East Projection of HD (meters)	Vertical Distance (meters)	Corrected Altitude (meters)
N1	49.064	180°45'42"	91°00'24"	49.056	-49.052	-0.652	-0.862	-2.030
N2	39.261	180°52'30"	93°33'38"	39.185	-39.180	-0.598	-2.438	-2.387
N3	29.685	179°39'44"	94°20'10"	29.599	-29.598	+0.174	-2.244	-2.193
N4	20.049	179°58'30"	95°42'50"	19.939	-19.939	+0.009	-1.995	-1.944
N5	10.117	179°46'18"	98°41'30"	10.001	-10.001	+0.040	-1.529	-1.478
N6	0	00°00'00"	00°00'00"	0.000	0.000	0.000	0.000	0.000
N7	10.058	358°47'03"	83°37'48"	9.995	9.993	-0.212	+1.116	+1.167
N8	19.820	358°54'06"	81°45'36"	19.601	19.597	-0.376	+2.838	+2.889
N9	29.963	359°37'30"	80°48'36"	29.578	29.577	-0.194	+4.785	+4.836
N10	40.023	359°55'36"	79°43'42"	39.382	39.382	-0.050	+7.137	+7.188
N11	49.730	359°49'42"	80°16'42"	49.016	49.061	-0.147	+8.398	+8.449
N12	59.707	00°00'30"	80°24'21"	58.872	58.872	+0.009	+9.951	+10.002

Station Name	Inclined Distance (meters)	Azimuth (degrees)	Vertical Angle (degrees)	Horizontal Distance (meters)	North Projection of HD (meters)	East Projection of HD (meters)	Vertical Distance (meters)	Corrected Altitude (meters)
E1	30.302	269°38'24"	98°00'50"	30.024	-0.189	-30.023	-4.227	-4.176
E2	20.170	268°44'21"	96°49'54"	20.027	-0.441	-20.022	-2.399	-2.348
E3	10.358	268°42'42"	96°31'50"	10.291	-0.231	-10.288	-1.178	-1.127
E4	0.000	00°00'00"	00°00'00"	0.000	0.000	0.000	0.000	0.000
E5	9.705	89°57'54"	89°35'00"	9.705	+0.006	+9.705	+0.071	+0.122
E6	19.979	89°48'54"	87°53'10"	19.965	+0.064	+19.965	+0.737	+0.788
E7	29.838	89°48'00"	87°23'48"	29.807	+0.104	+29.807	+1.355	+1.406
E8	39.811	89°32'42"	86°48'28"	39.749	+0.316	+39.748	+2.217	+2.268
E9	49.810	89°40'36"	86°10'18"	49.699	+0.280	+49.698	+3.326	+3.377
E10	59.698	89°38'21"	85°25'12"	59.507	+0.375	+59.506	+4.761	+4.812
E11	69.567	89°49'42"	84°54'00"	69.292	+0.208	+69.292	+6.184	+6.235
E12	79.344	90°02'48"	84°36'48"	78.994	-0.064	+78.994	+7.449	+7.500

Table 1b. Source locations

Source Name	Name of Closest Station	Distance from the Nearest Station	Azimuth to the Nearest station (clockwise from North)
S1	N1	1.1m South	0°
P1	N1	0.9m East	270°
S2	N12	33.1m N31W	329°
P2	N12	33.1m	329°
S3	E11	9.5m	59°
P3	E11	9.5m	59°
S4	E1	7.7m	270°
P4	E1	7.7m	270°
S5	N7	4.6m	0°
S6	N6	0.3m	90°

Table 2 Index to the collected data

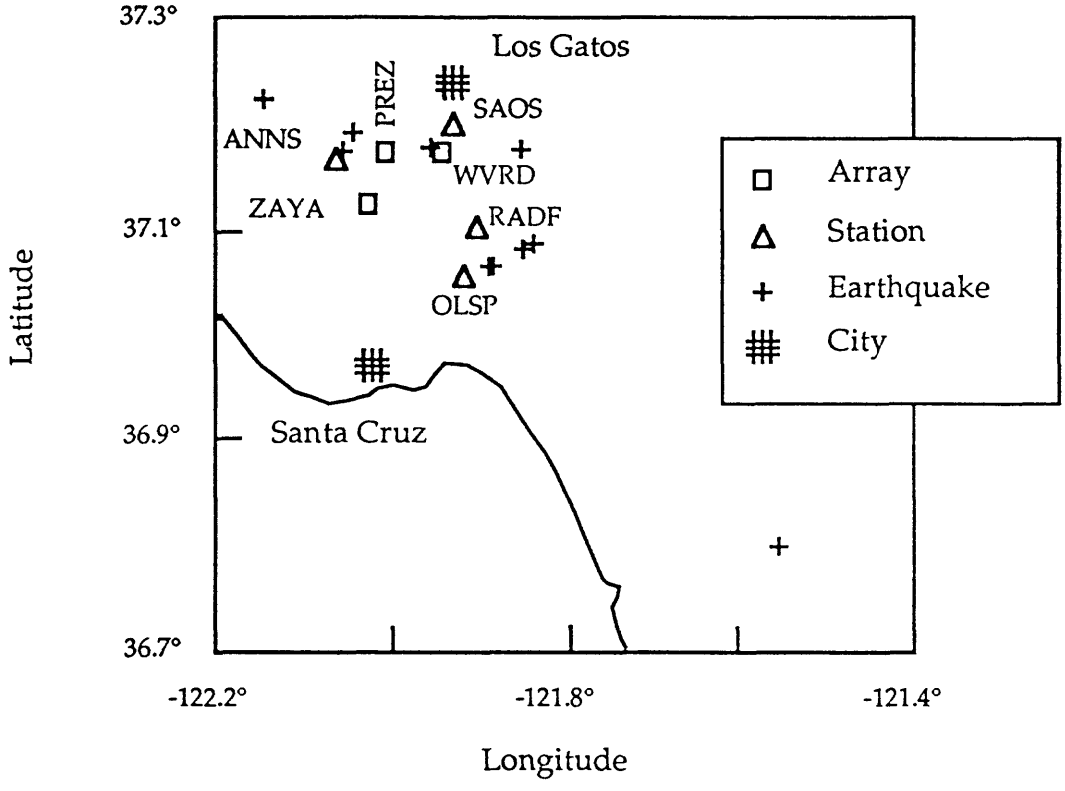


Fig.1 The area map shows the locations of stations, and 6-station arrays deployed in the Santa Cruz Mountains after the 18 October 1989 Loma Prieta, California, earthquake. The epicenters of ten aftershocks are also shown.

Map of the 6-Station Array, Very Dense Array, and Shallow Refraction Seismology Lines in the Santa Cruz Mountains

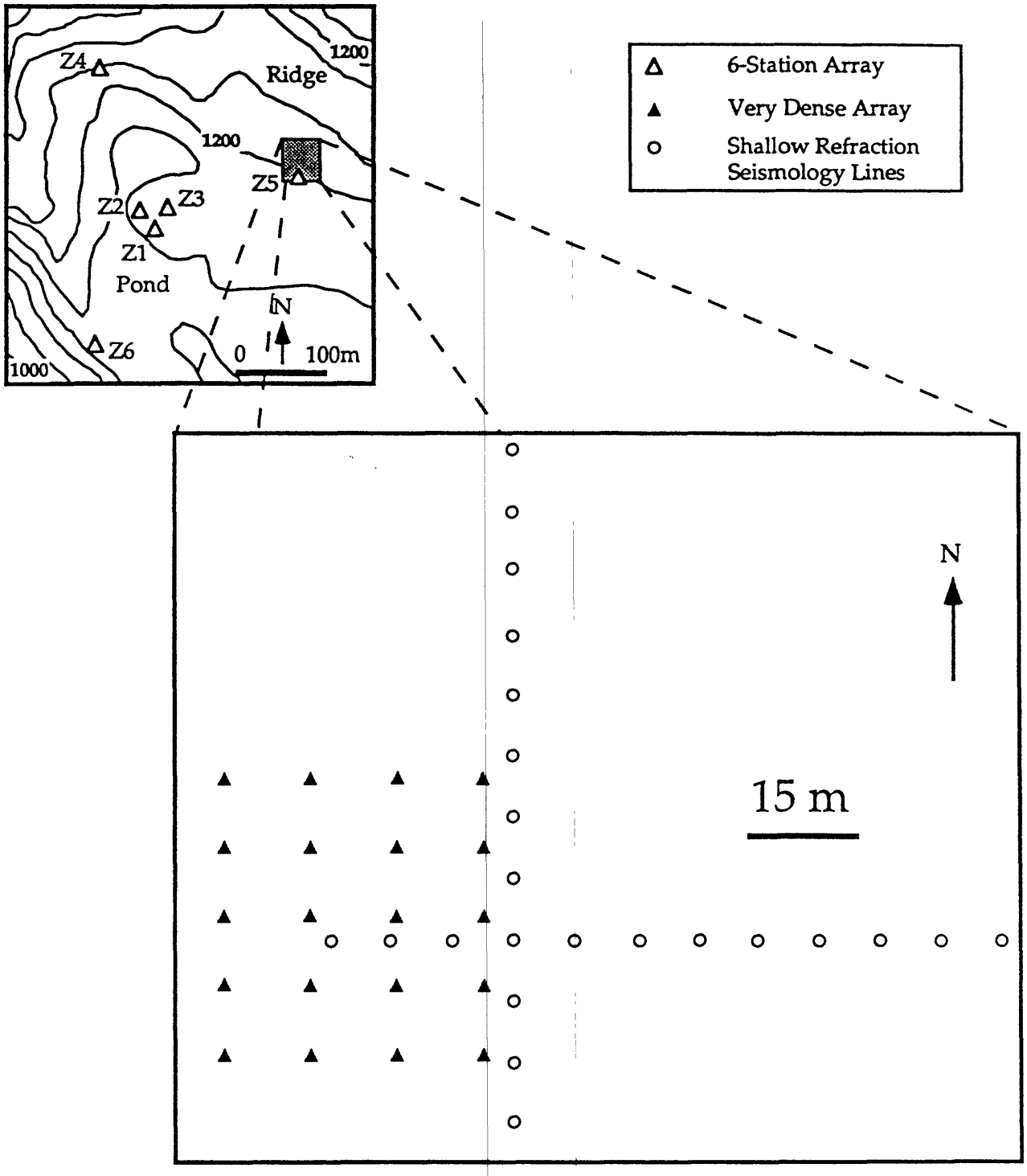


Fig.2 Map of the 6-station array, the very dense array, and the shallow refraction seismology lines deployed on the Santa Cruz Mountains.

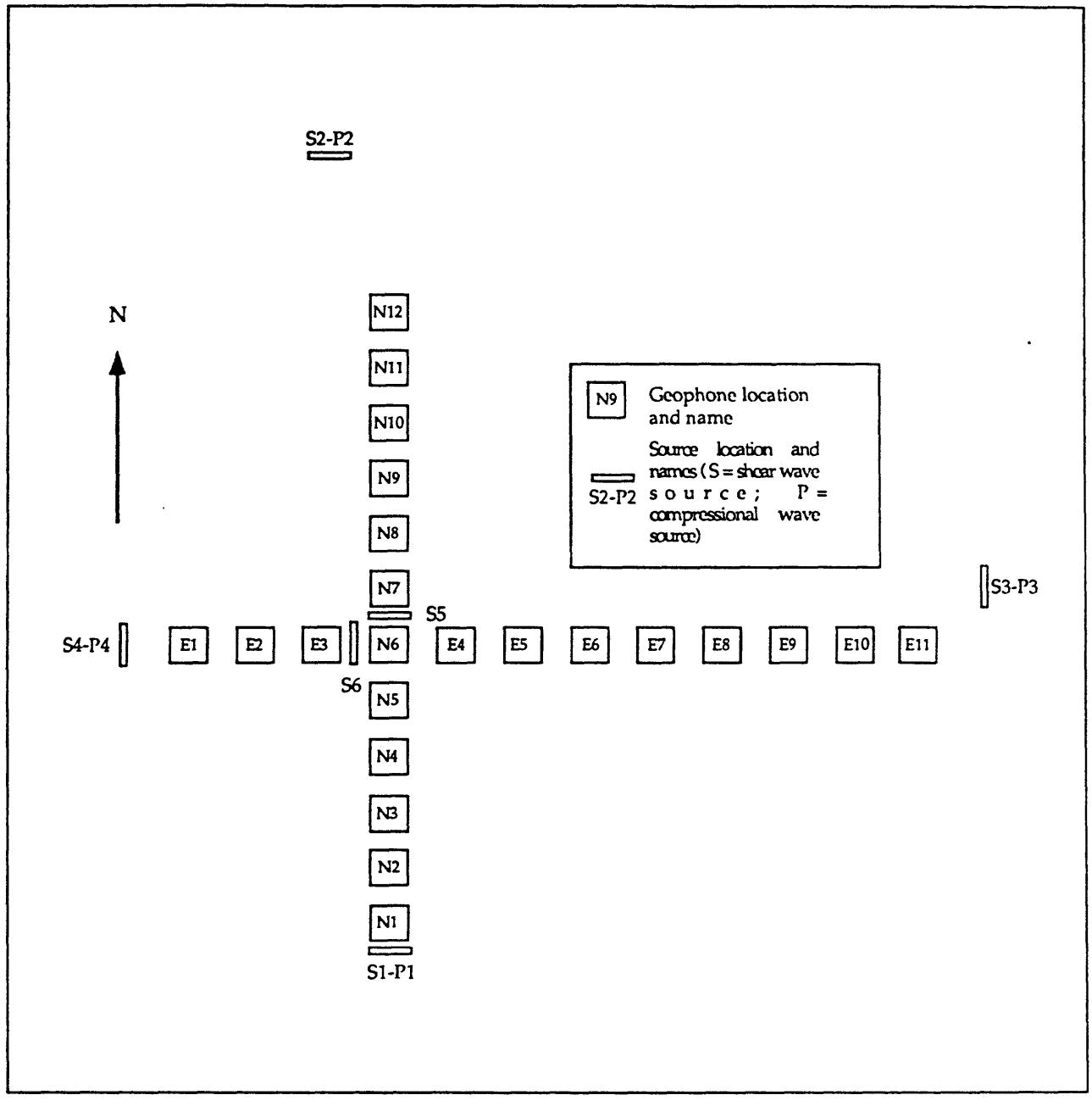


Fig. 3 Map of geophone and source geometries. The map shows shear wave sources locations and co-sited compressional wave sources. Compressional wave sources were also used at each geophone site (not shown).

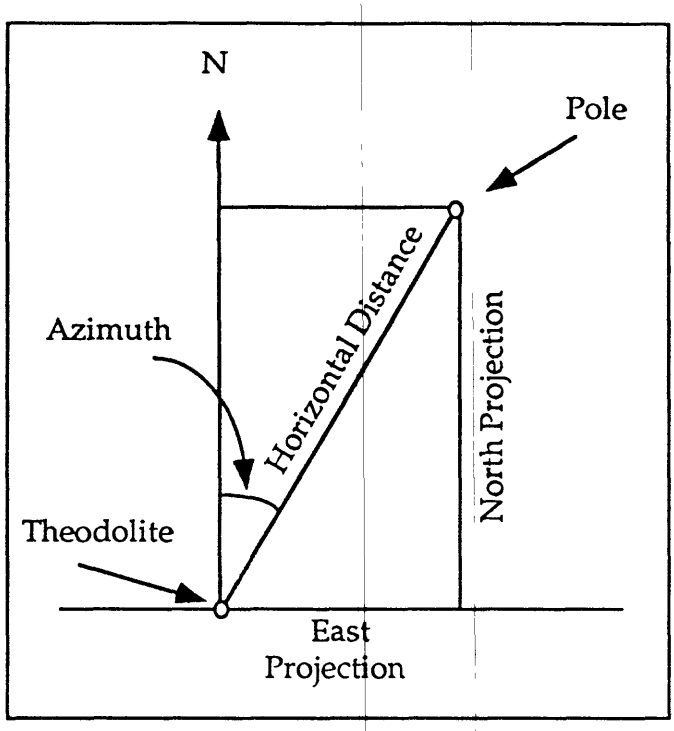


Fig.4a Horizontal map showing the geometry of the theodolite-pole system and the parameters listed in tables 1a and 1b. The east projection of the horizontal distance is positive in the East direction, and the north projection is positive in the North direction. The azimuth is defined positive clockwise from North.

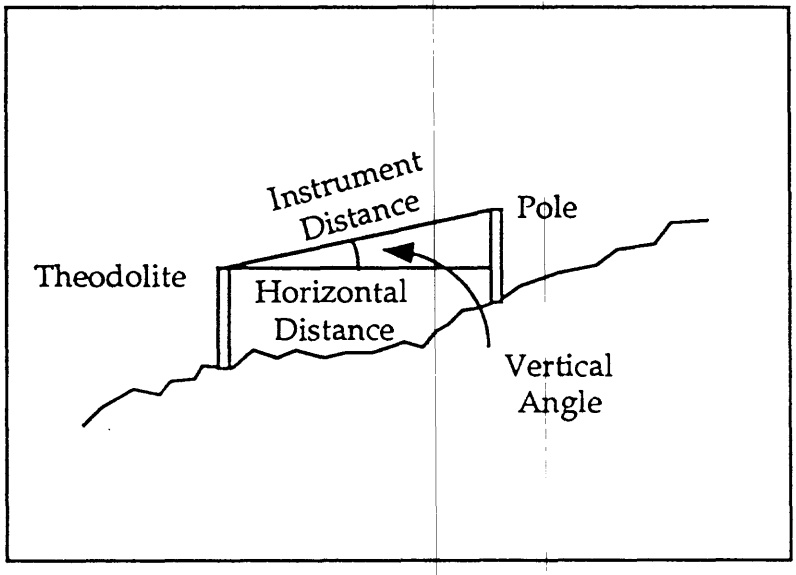
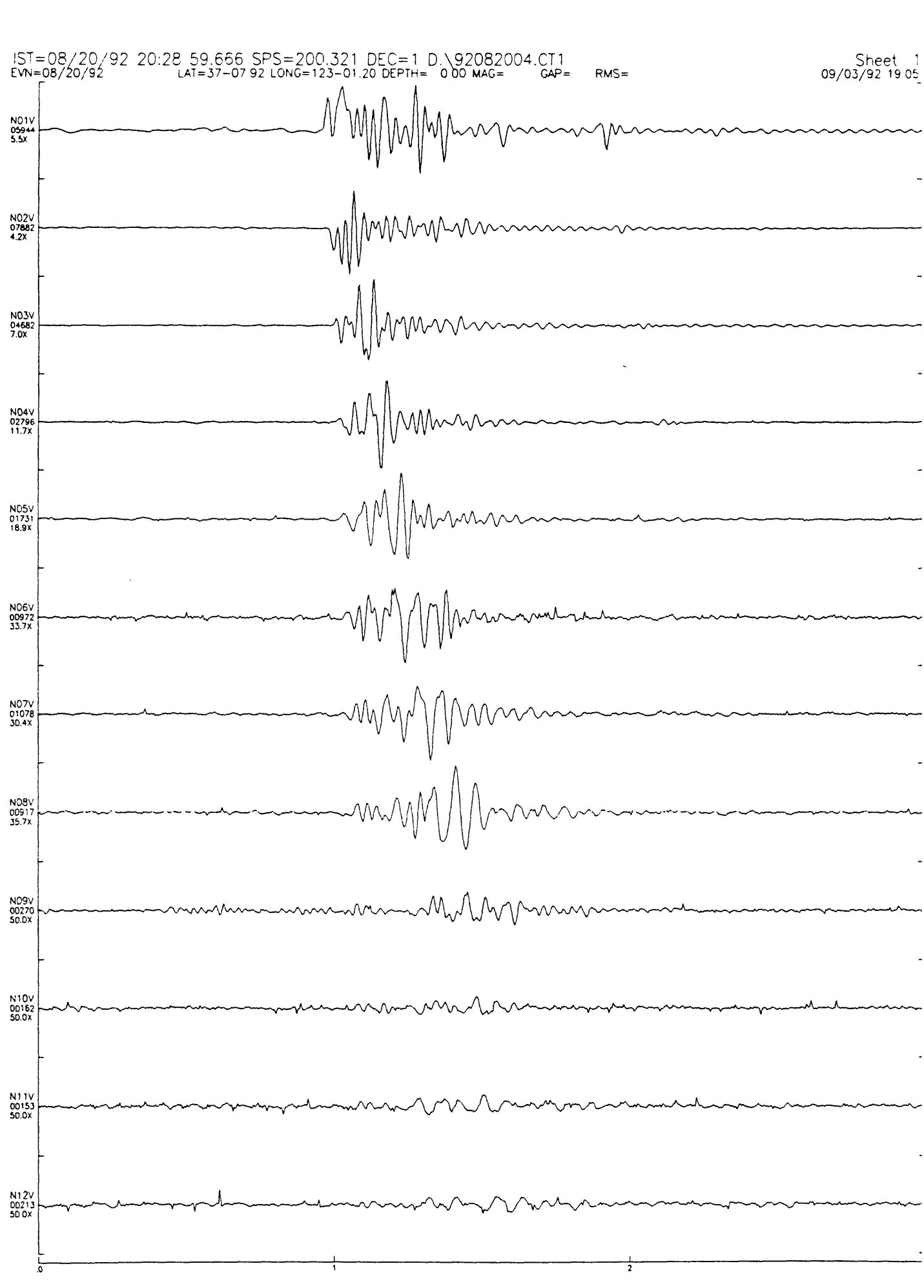


Fig.4b Vertical view showing the geometry of the theodolite-pole system and the parameters listed in tables 1a and 1b. A value of 90° for the vertical angle implies that pole and theodolite are on the same plane, a value smaller than 90° implies that the pole is in a higher position (0° is vertical upwards).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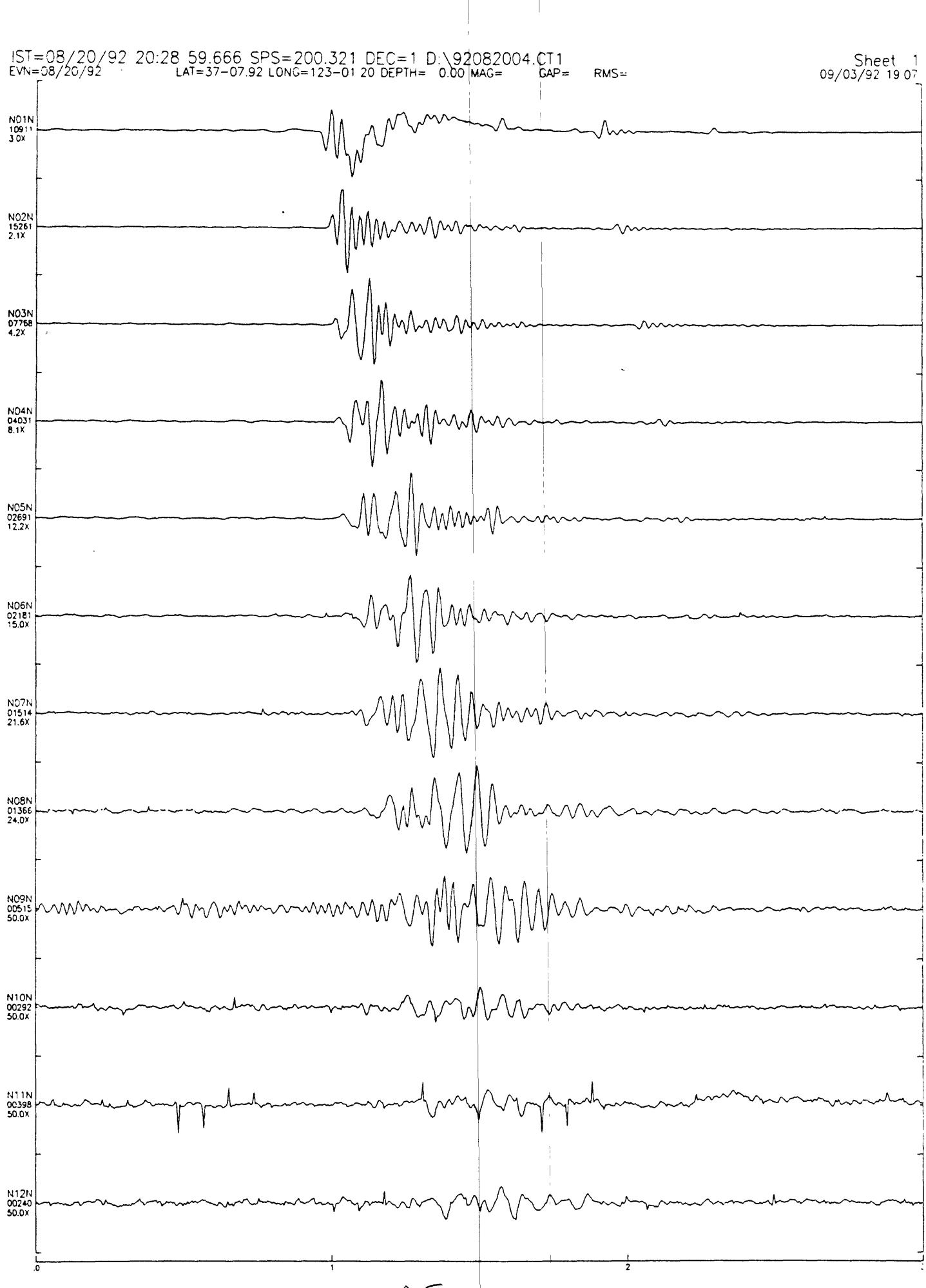
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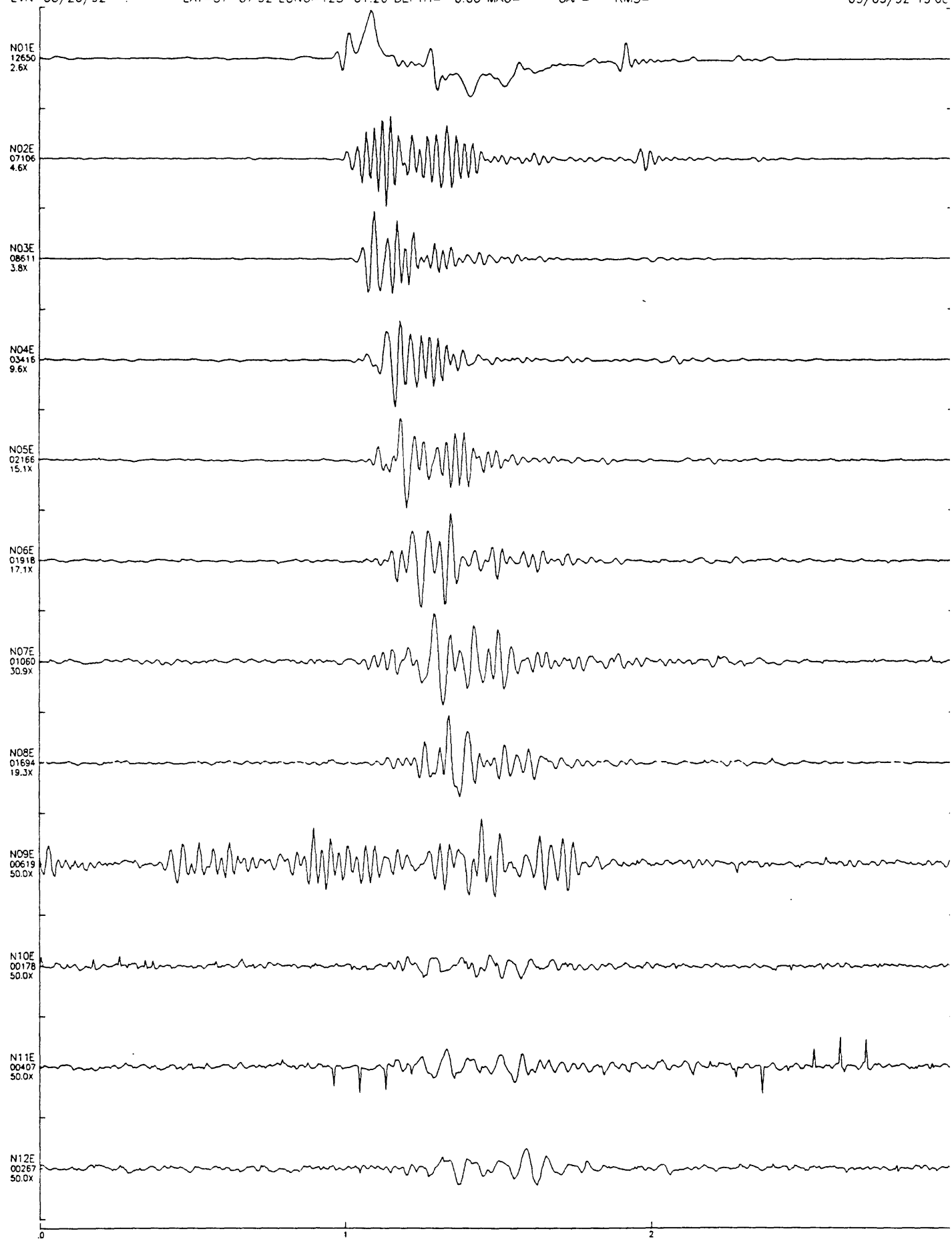
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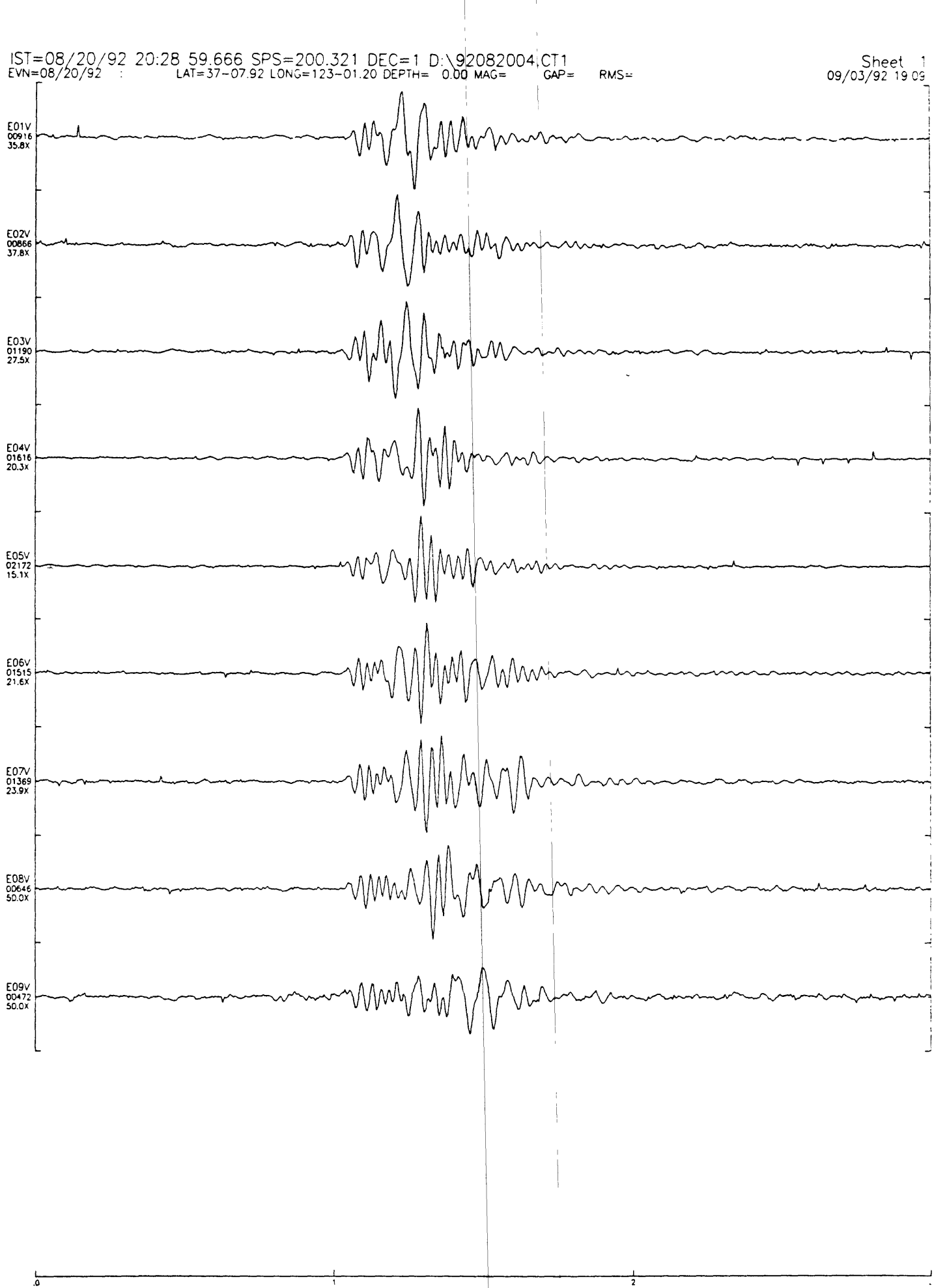
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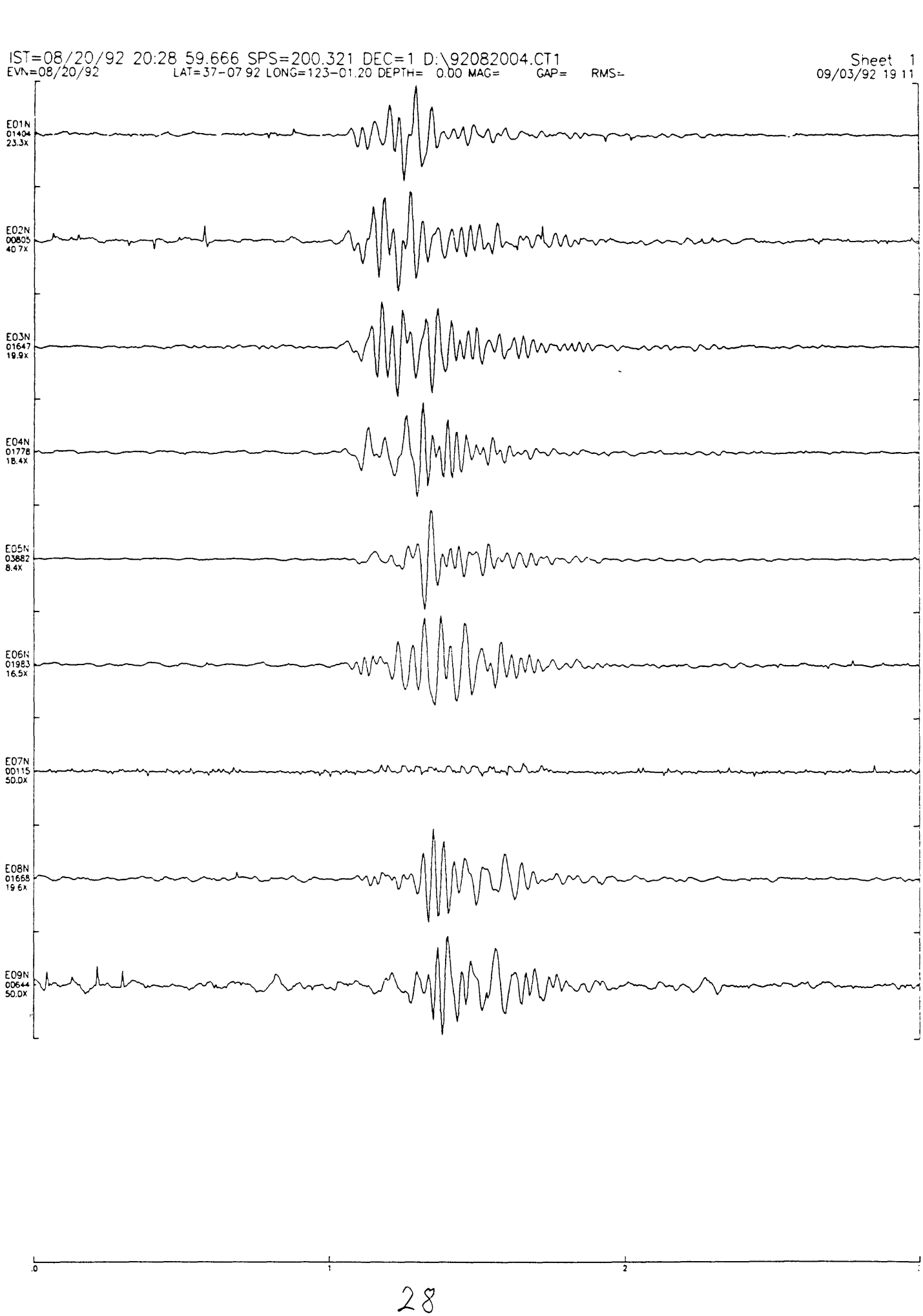
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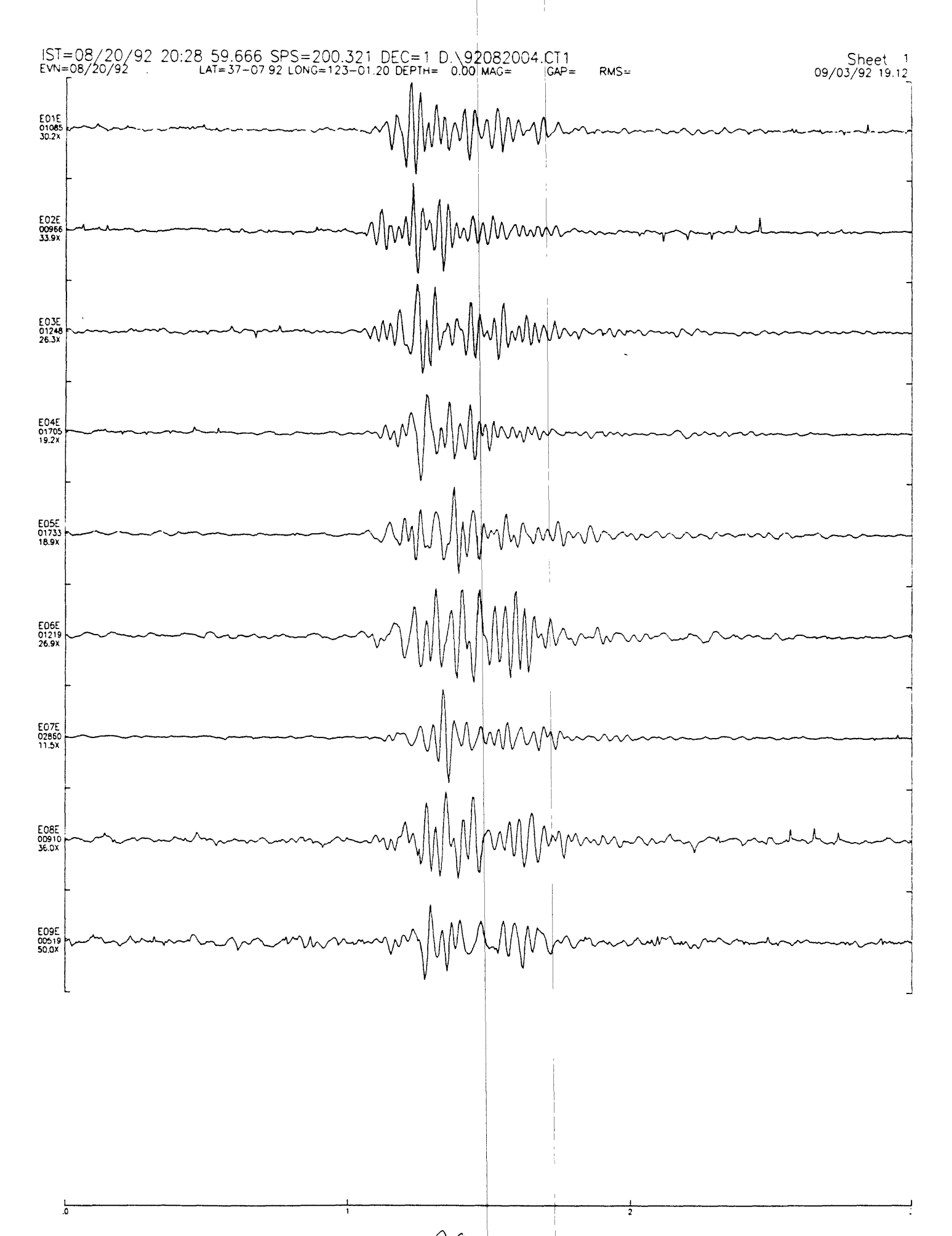
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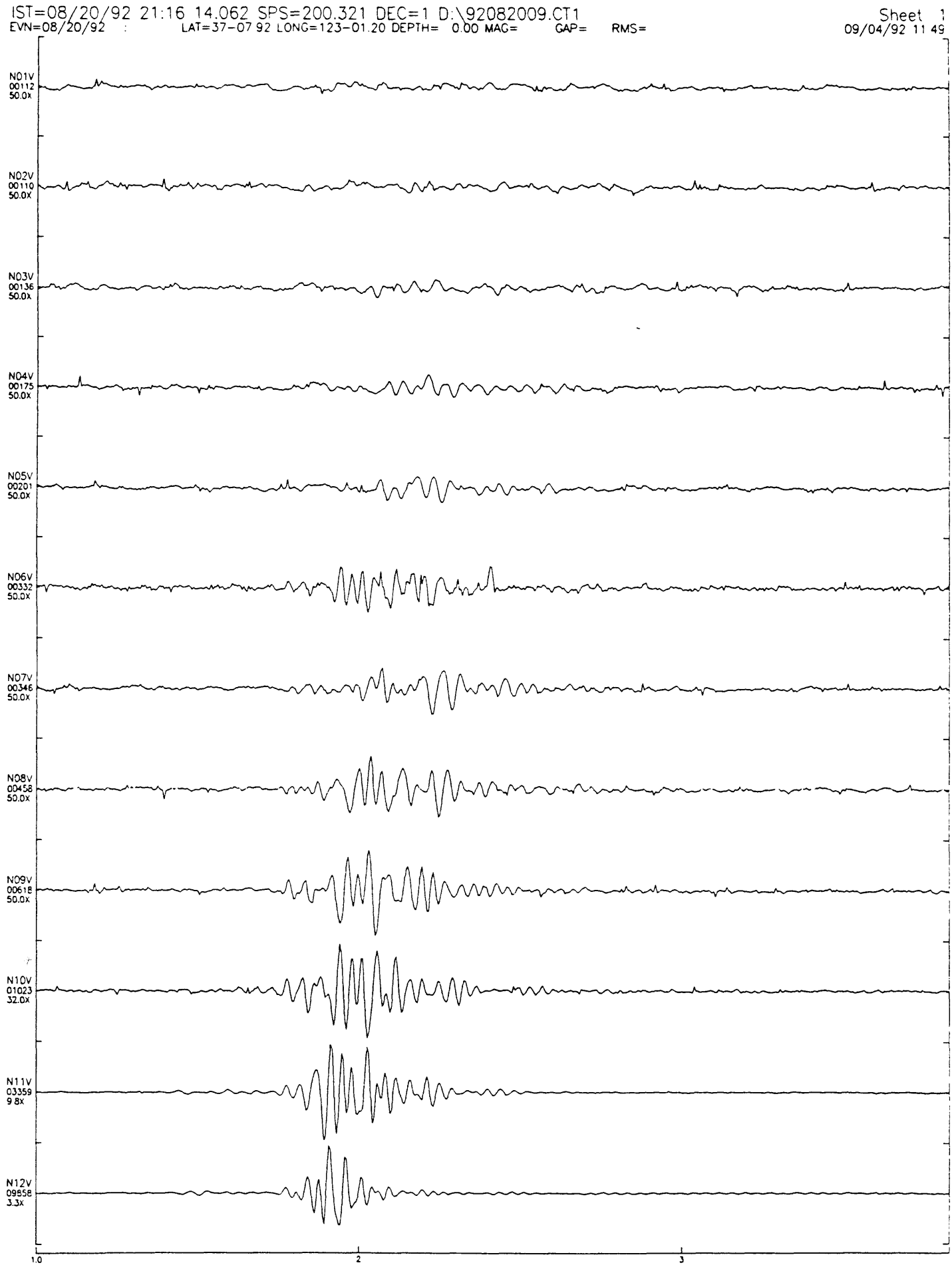
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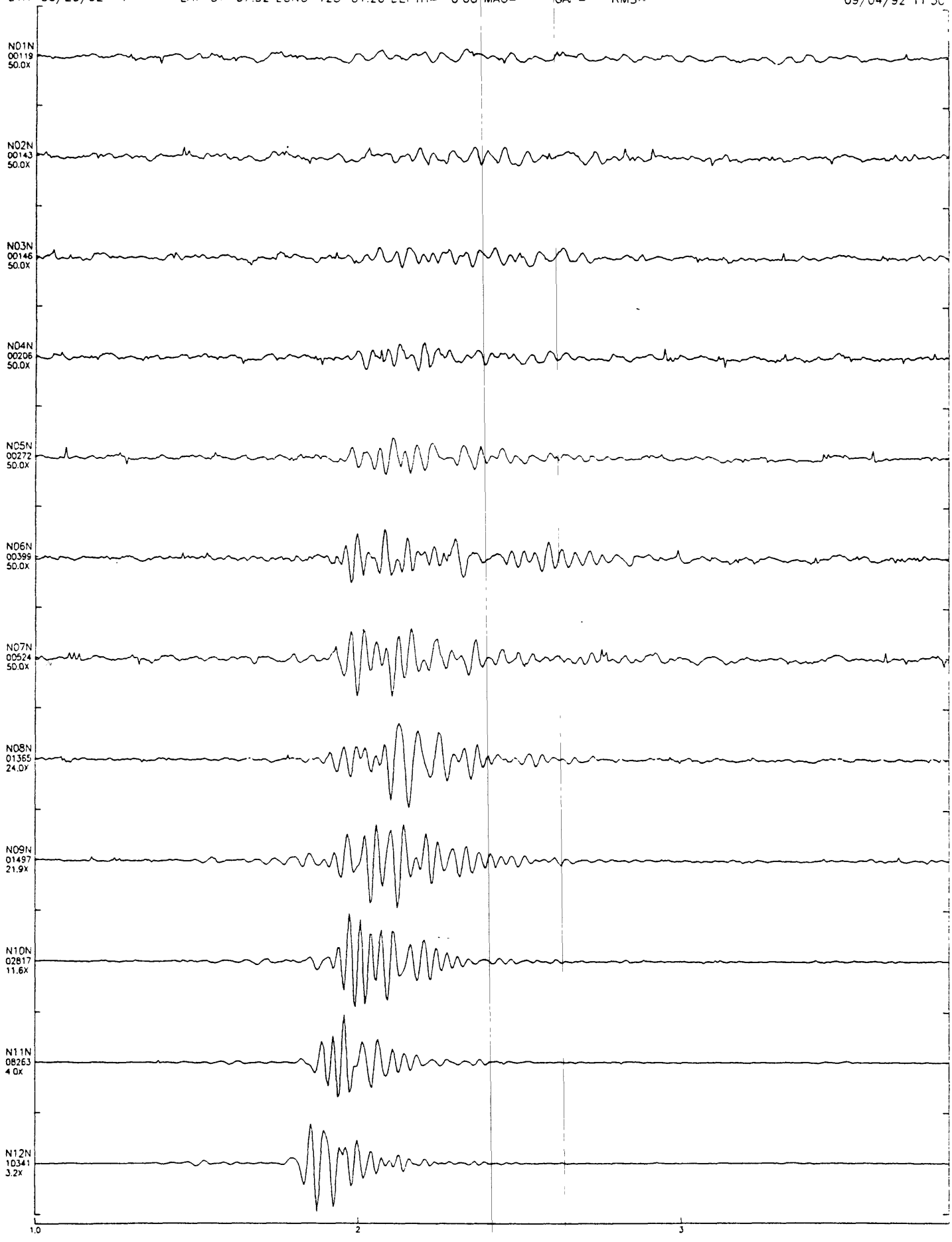
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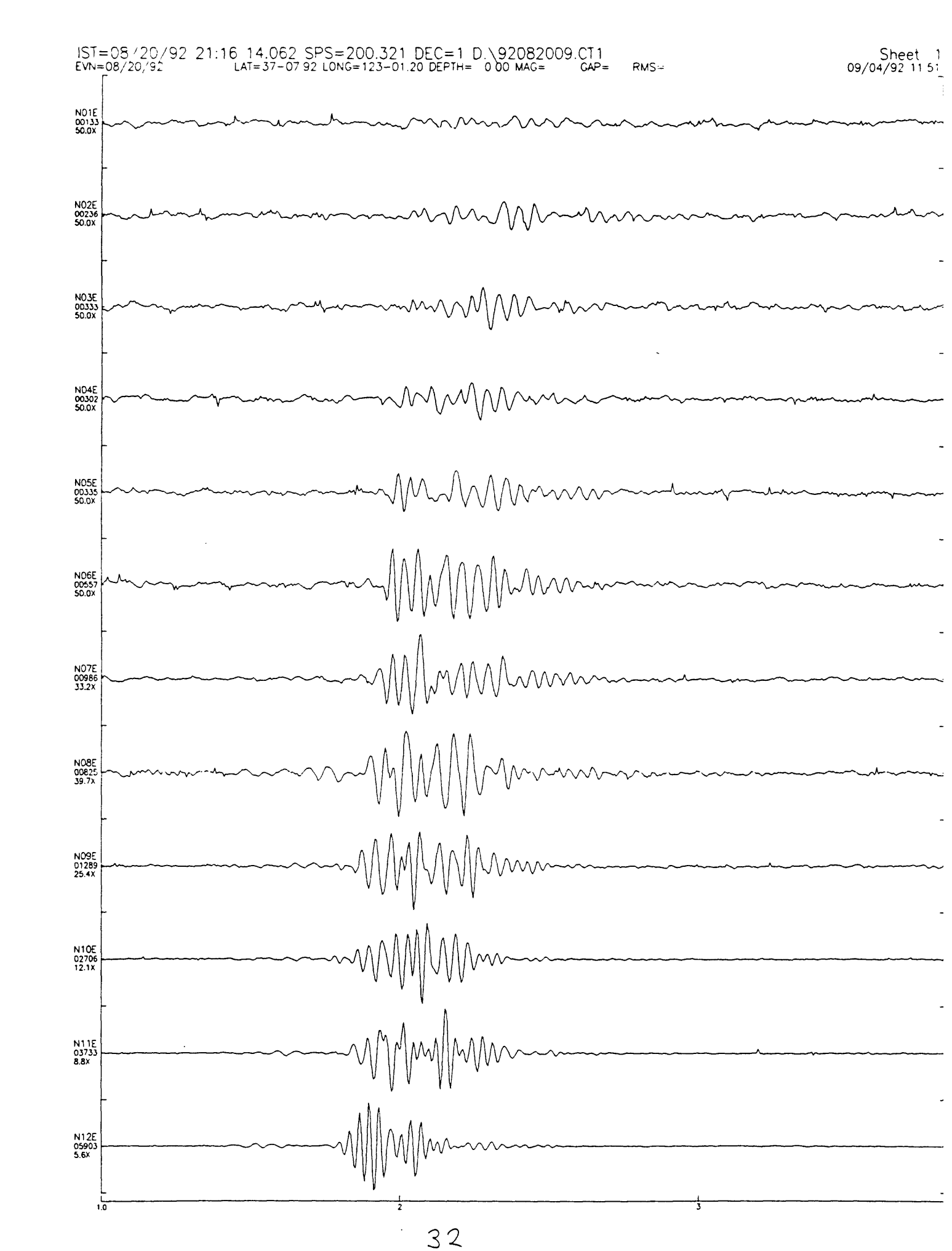
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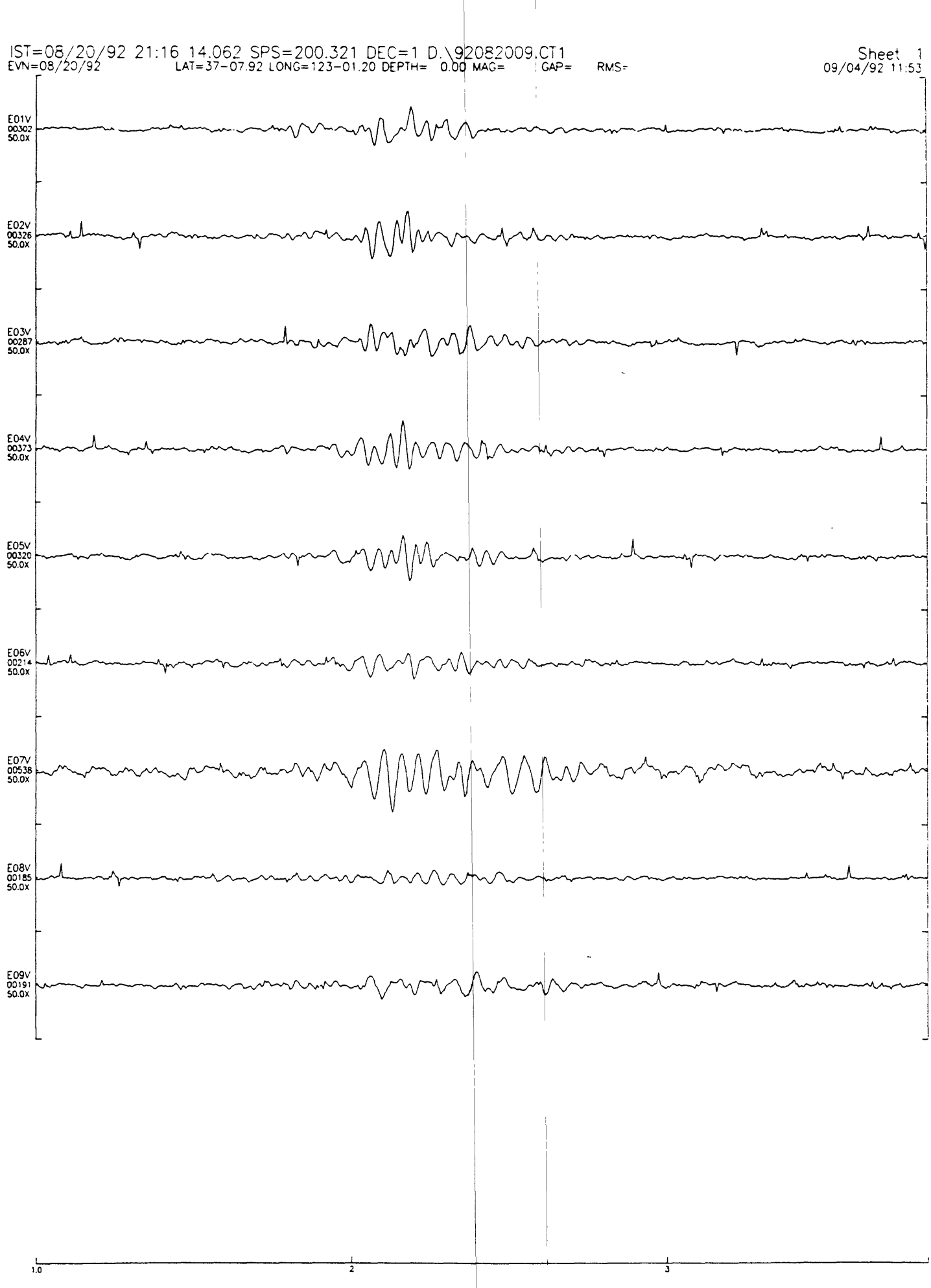
50.0x
N03E
00333
50.0x
N04E
00302
50.0x
N05E
00335
50.0x
N06E
00557
50.0x
N07E
00986
33.2x
N08E
00825
39.7x
N09E
01289
25.4x
N10E
02706
12.1x
N11E
03733
8.8x
N12E
05903
5.6x
1.0
2
3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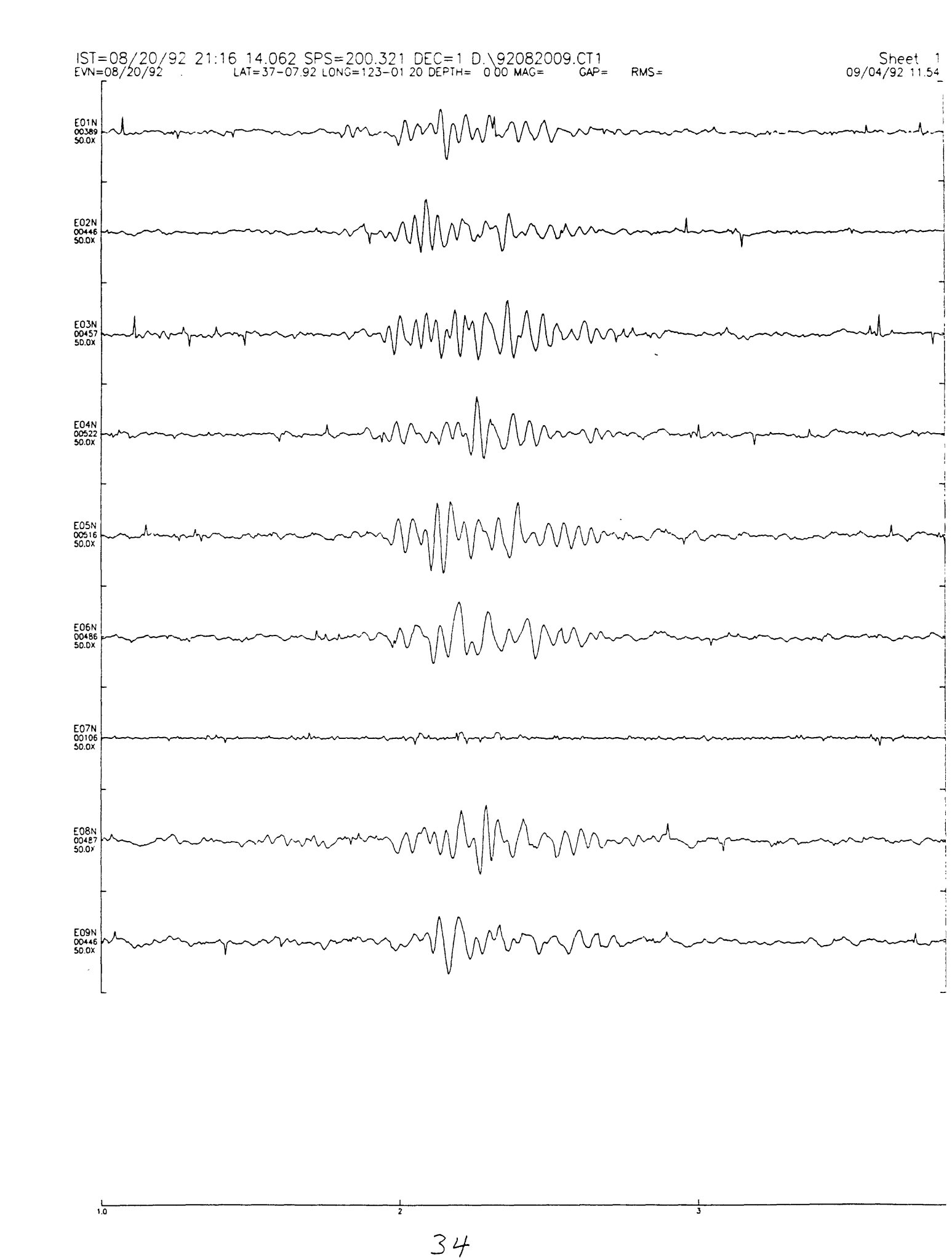
Sheet 1
09/04/92 11:53
E01V
00302
50.0X
E02V
00326
50.0X
E03V
00287
50.0X
E04V
00373
50.0X
E05V
00320
50.0X
E06V
00214
50.0X
E07V
00538
50.0X
E08V
00185
50.0X
E09V
00191
50.0X
1.0
2
3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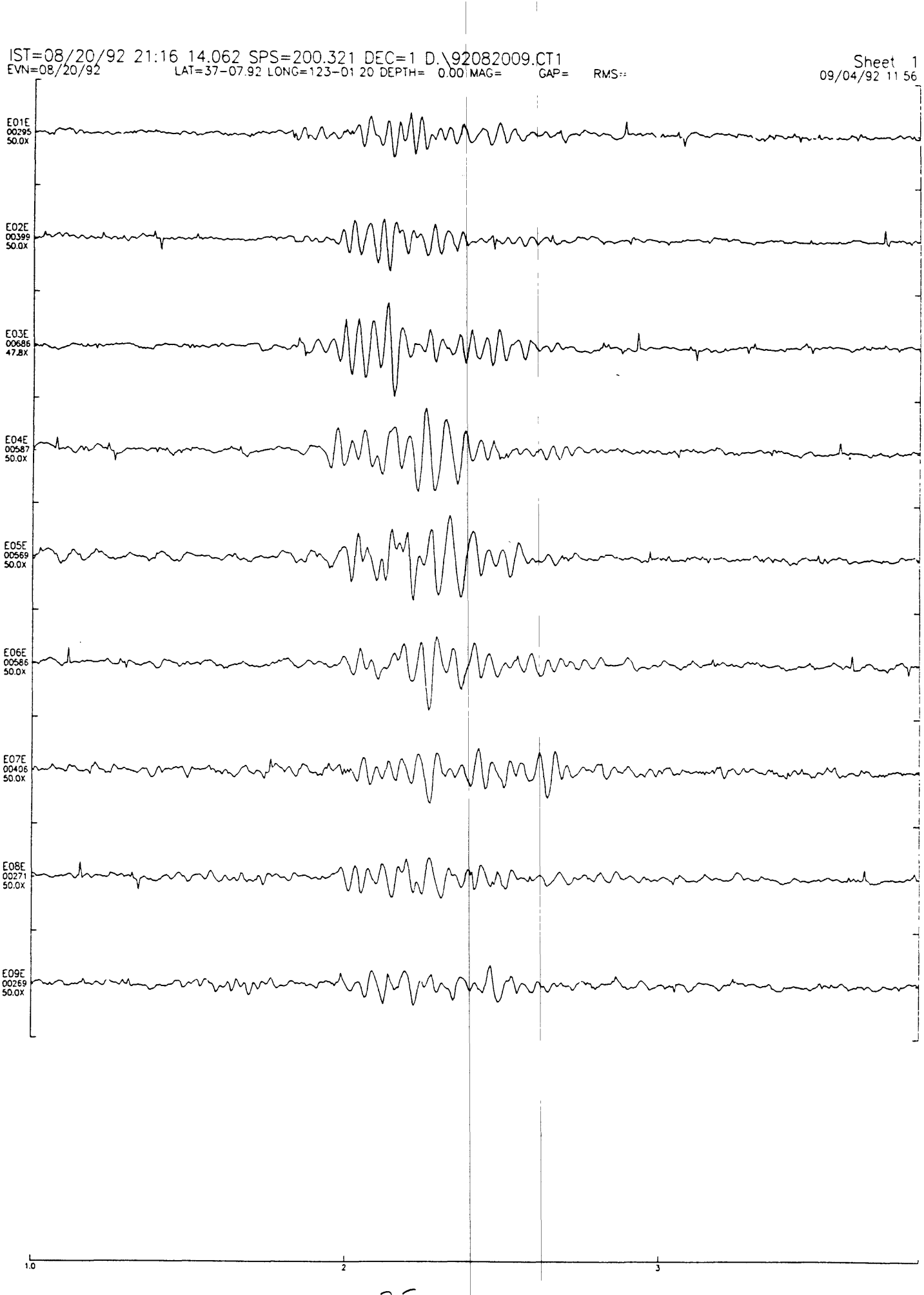
EVN=08/20/92 LAT=37-07.92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
Sheet 1
09/04/92 11.54
E01N
00389
50.0x
E02N
00446
50.0x
E03N
00457
50.0x
E04N
00522
50.0x
E05N
00516
50.0x
E06N
00486
50.0x
E07N
00106
50.0x
E08N
00487
50.0x
E09N
00446
50.0x
1.0
2
3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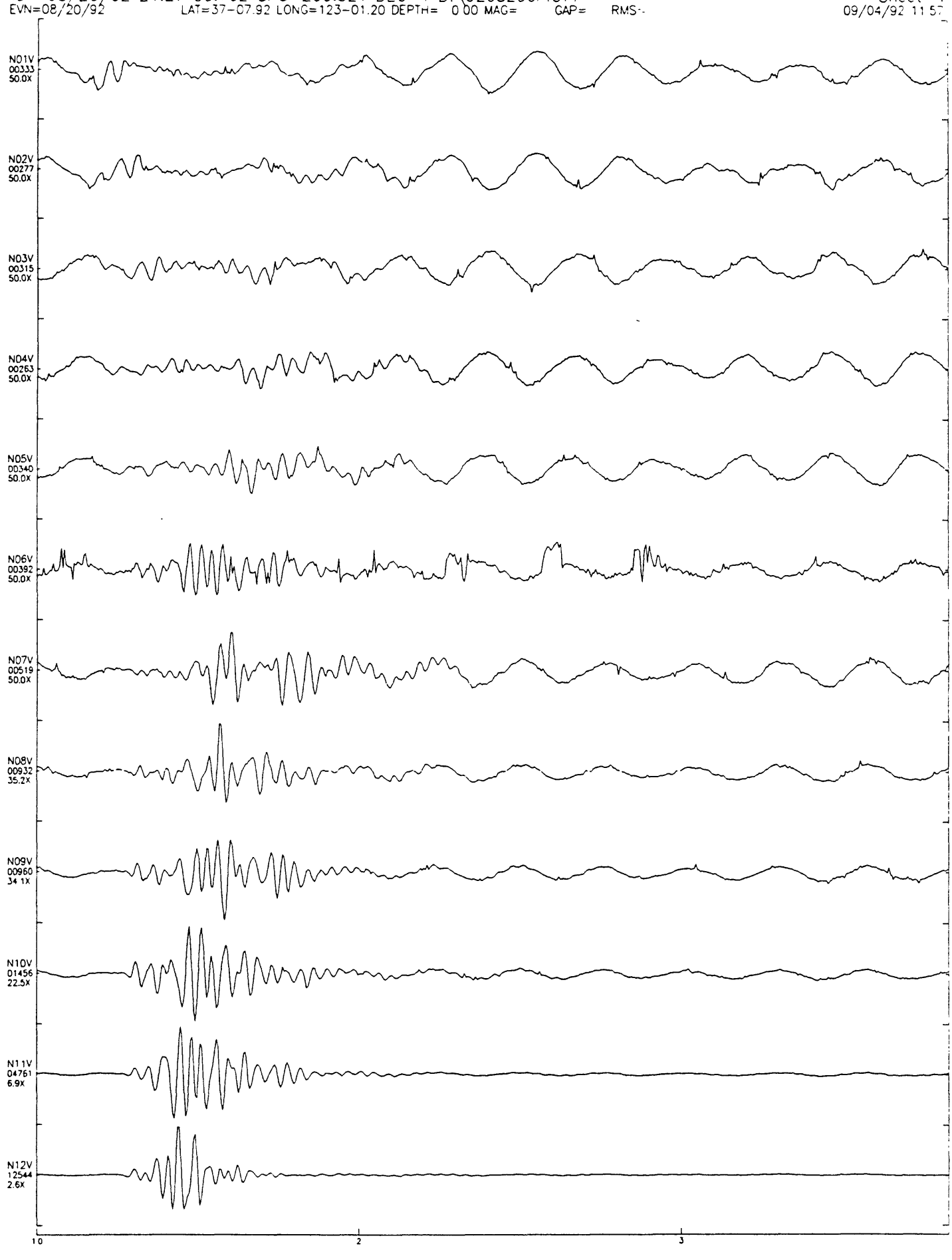
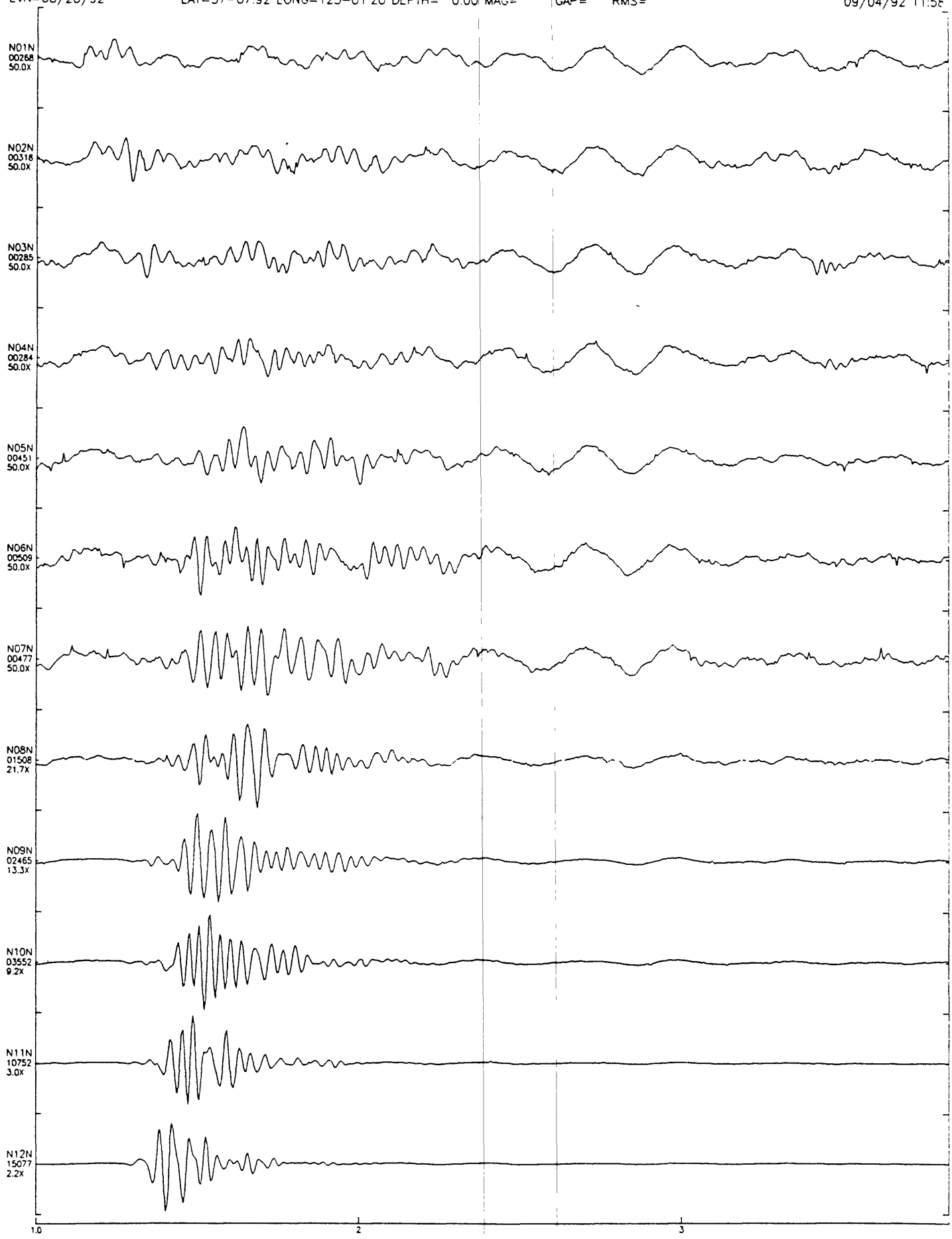
EVN=08/20/92 LAT=37-07.92 LONG=123-01 20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 11 56
E01E
00295
50.0x
E02E
00399
50.0x
E03E
00686
47.8x
E04E
00587
50.0x
E05E
00569
50.0x
E06E
00586
50.0x
E07E
00406
50.0x
E08E
00271
50.0x
E09E
00269
50.0x
1.0
2
3


IST=08/20/92 21:27 00.702 SPS=200.321 DEC=1 D:\9208200F.CT1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 11:57
N01V 00333 50.0x
N02V 00277 50.0x
N03V 00315 50.0x
N04V 00263 50.0x
N05V 00340 50.0x
N06V 00382 50.0x
N07V 00519 50.0x
N08V 00932 35.2x
N09V 00960 34.1x
N10V 01456 22.5x
N11V 04761 6.9x
N12V 12544 2.6x
1.0
2
3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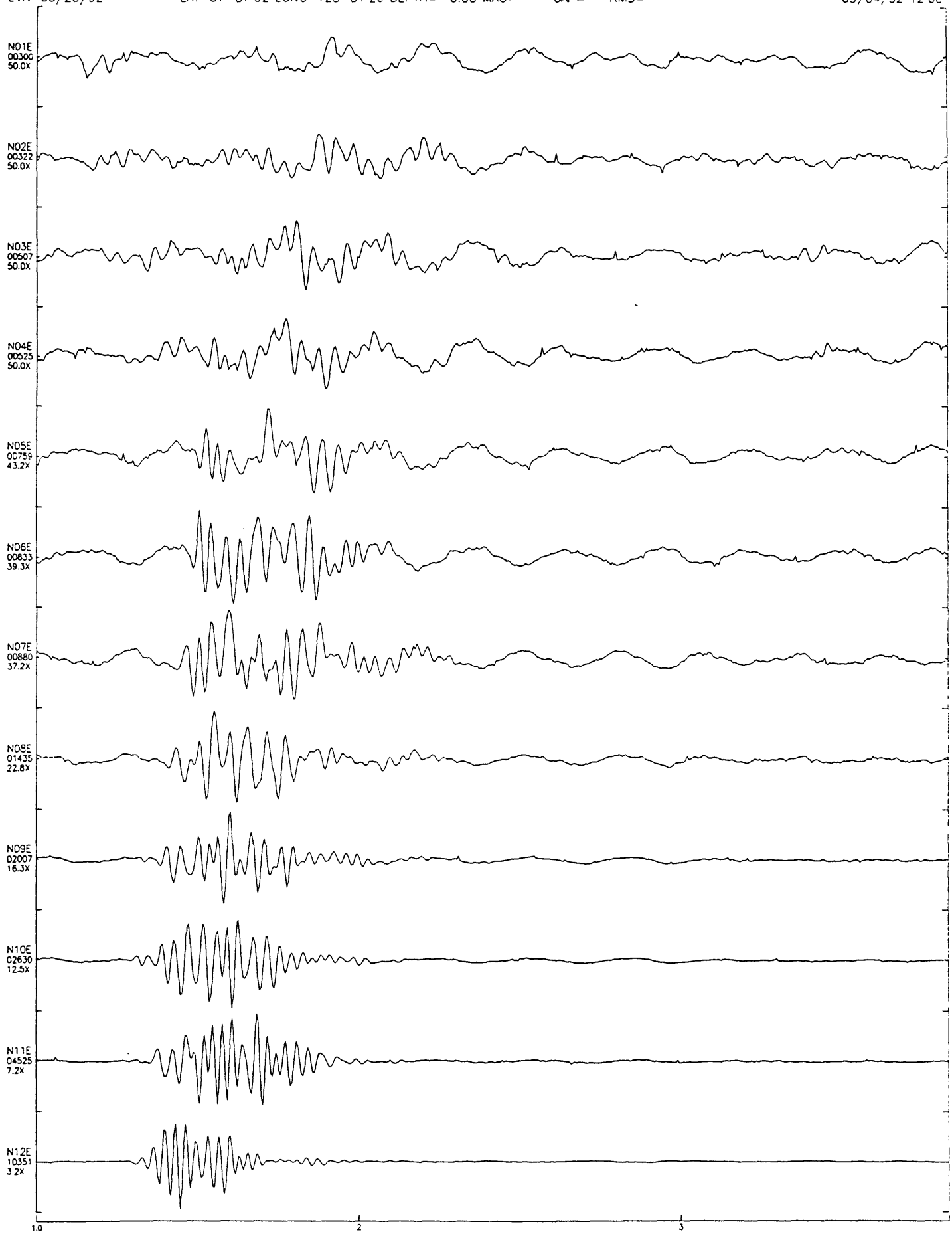
EVN=08/20/92 LAT=37-07.92 LONG=123-01 20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 11:58
N01N
00268
50.0x
N02N
00318
50.0x
N03N
00285
50.0x
N04N
00284
50.0x
N05N
00451
50.0x
N06N
00509
50.0x
N07N
00477
50.0x
N08N
01508
21.7x
N09N
02465
13.3x
N10N
03552
9.2x
N11N
10752
3.0x
N12N
15077
2.2x
1.0
2
3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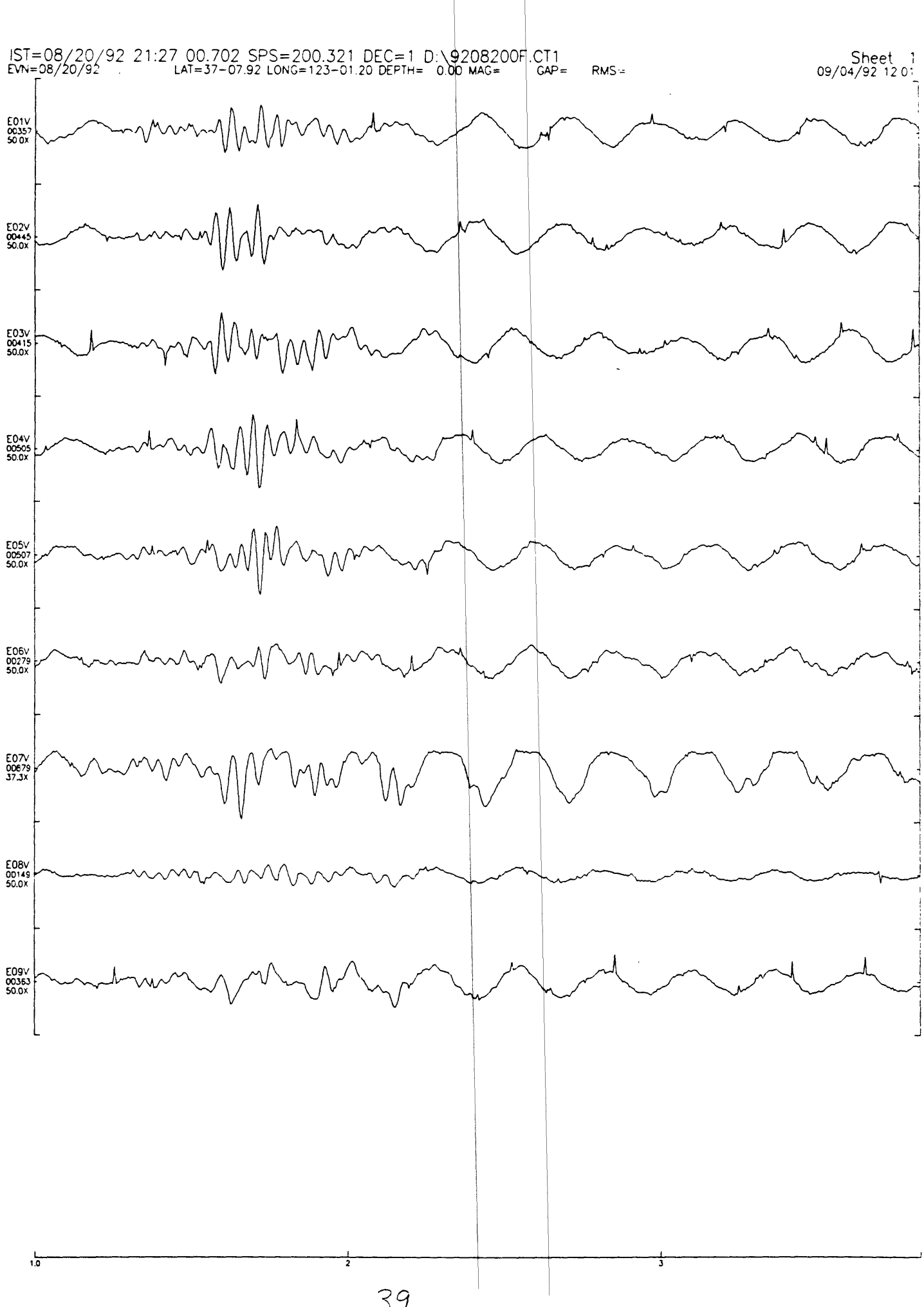
EVN=08/20/92 LAT=37-07 92 LONG=123-01 20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 12 00
N01E
00300
50.0X
N02E
00322
50.0X
N03E
00507
50.0X
N04E
00525
50.0X
N05E
00759
43.2X
N06E
00833
39.3X
N07E
00880
37.2X
N08E
01435
22.8X
N09E
02007
16.3X
N10E
02630
12.5X
N11E
04525
7.2X
N12E
10351
3.2X
1.0
2
3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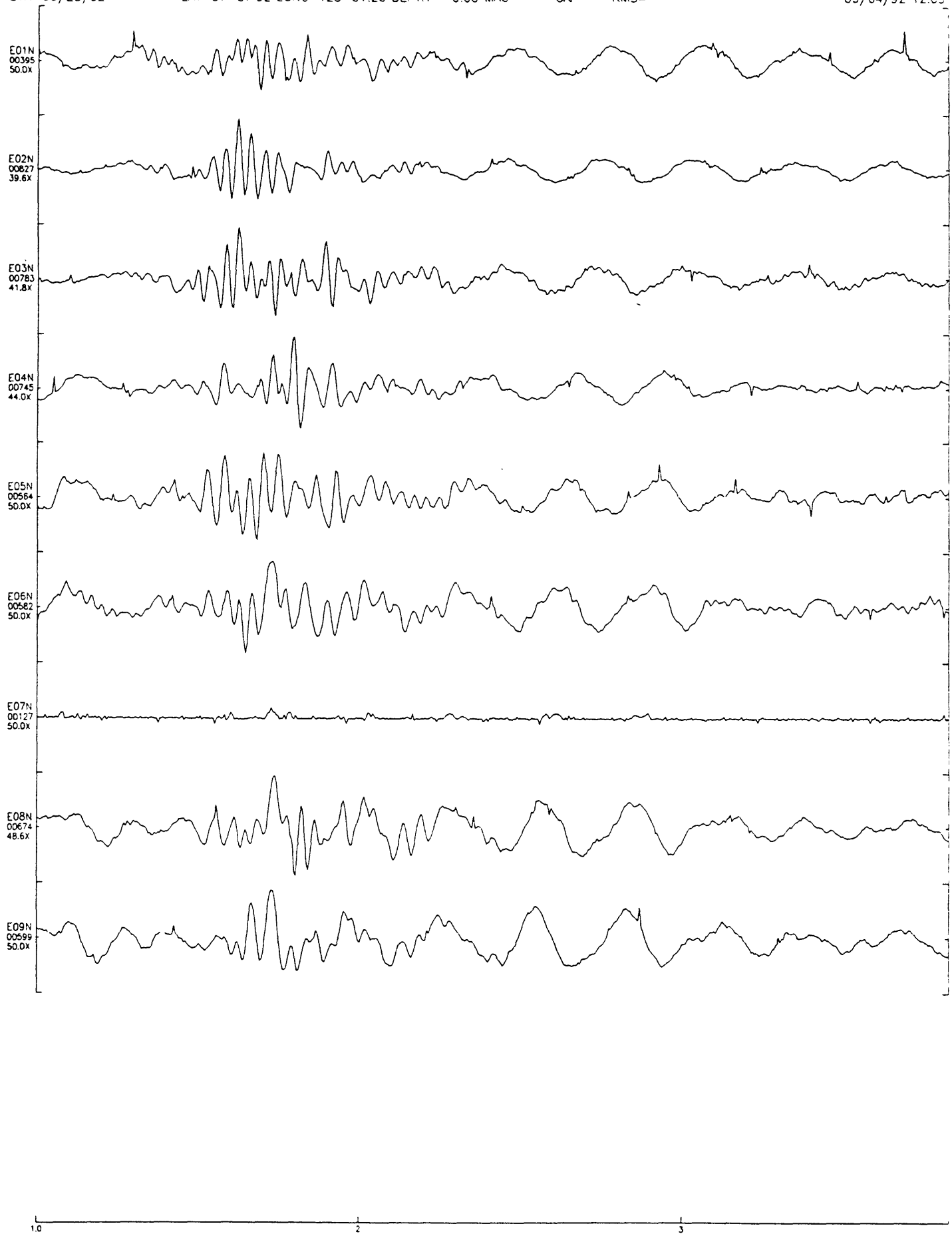
EVN=08/20/92
LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG=
GAP=
RMS=
Sheet 1
09/04/92 12 01
E01V
00357
50.0x
E02V
00445
50.0x
E03V
00415
50.0x
E04V
00505
50.0x
E05V
00507
50.0x
E06V
00279
50.0x
E07V
00679
37.3x
E08V
00149
50.0x
E09V
00363
50.0x
1.0
2
3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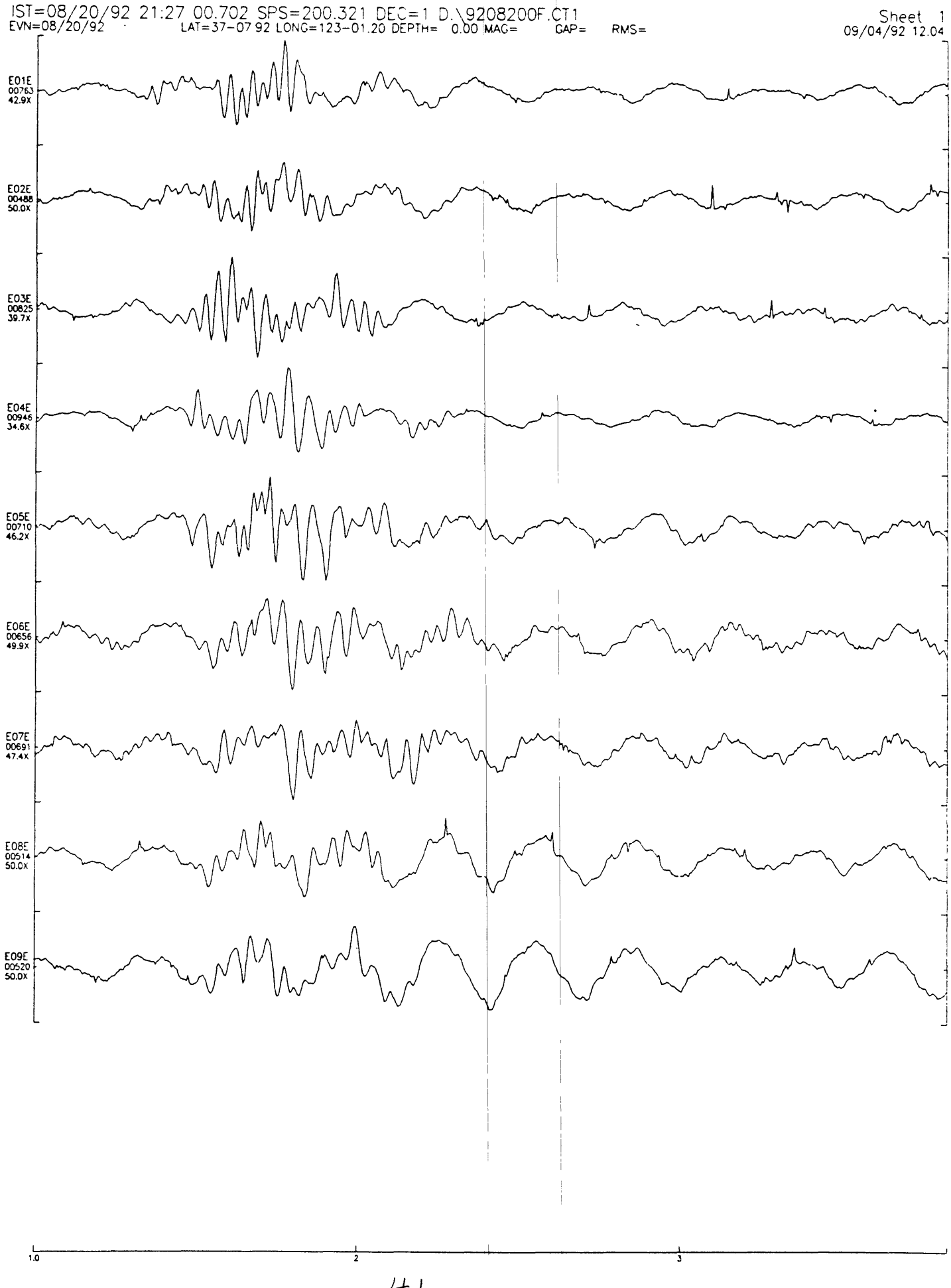
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 12.03
E01N
00395
50.0x
E02N
00827
39.6x
E03N
00783
41.8x
E04N
00745
44.0x
E05N
00564
50.0x
E06N
00582
50.0x
E07N
00127
50.0x
E08N
00674
48.6x
E09N
00599
50.0x
1.0
2
3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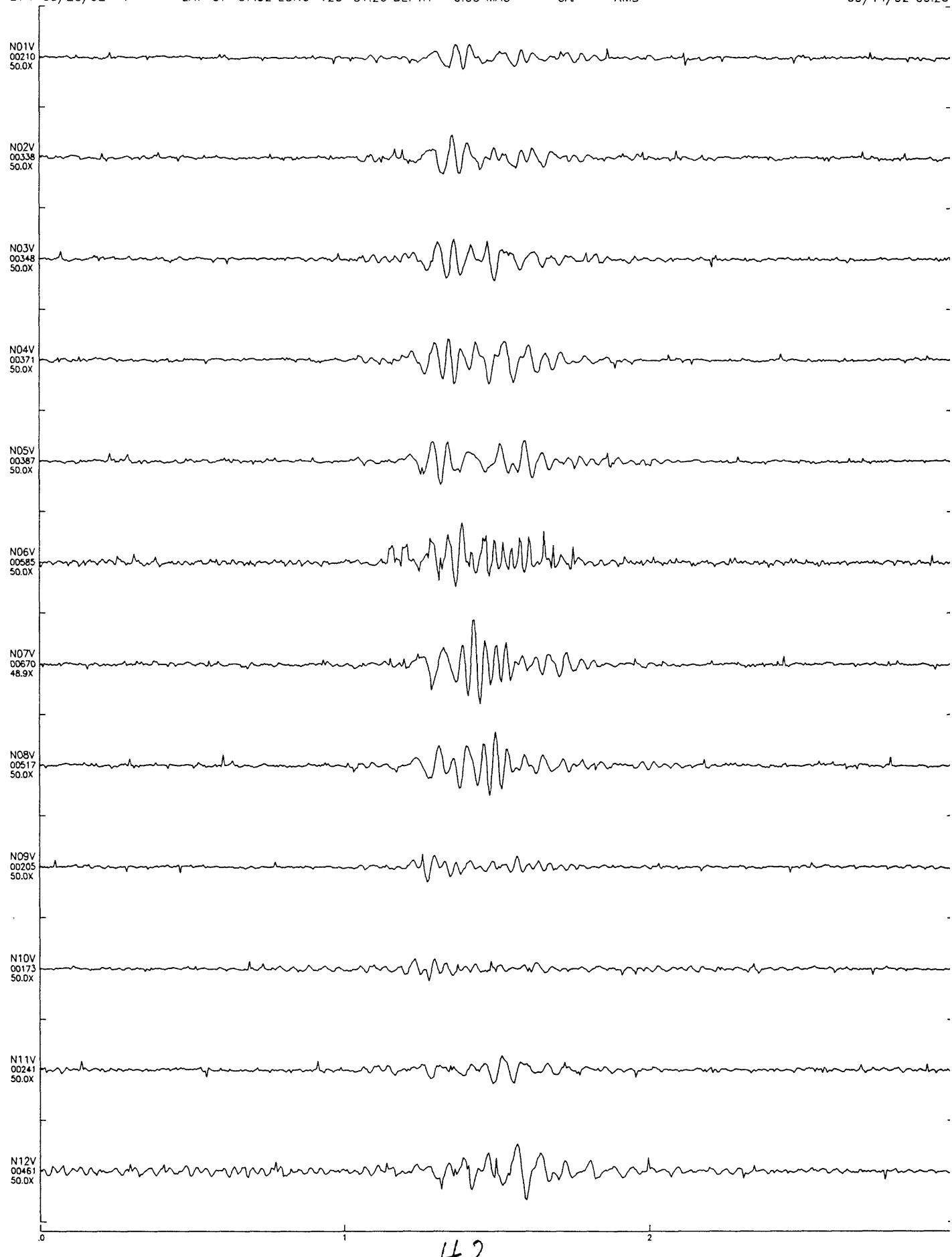
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 12.04
E01E
00763
42.9X
E02E
00488
50.0X
E03E
00825
39.7X
E04E
00946
34.6X
E05E
00710
46.2X
E06E
00656
49.9X
E07E
00691
47.4X
E08E
00514
50.0X
E09E
00520
50.0X
1.0
2
3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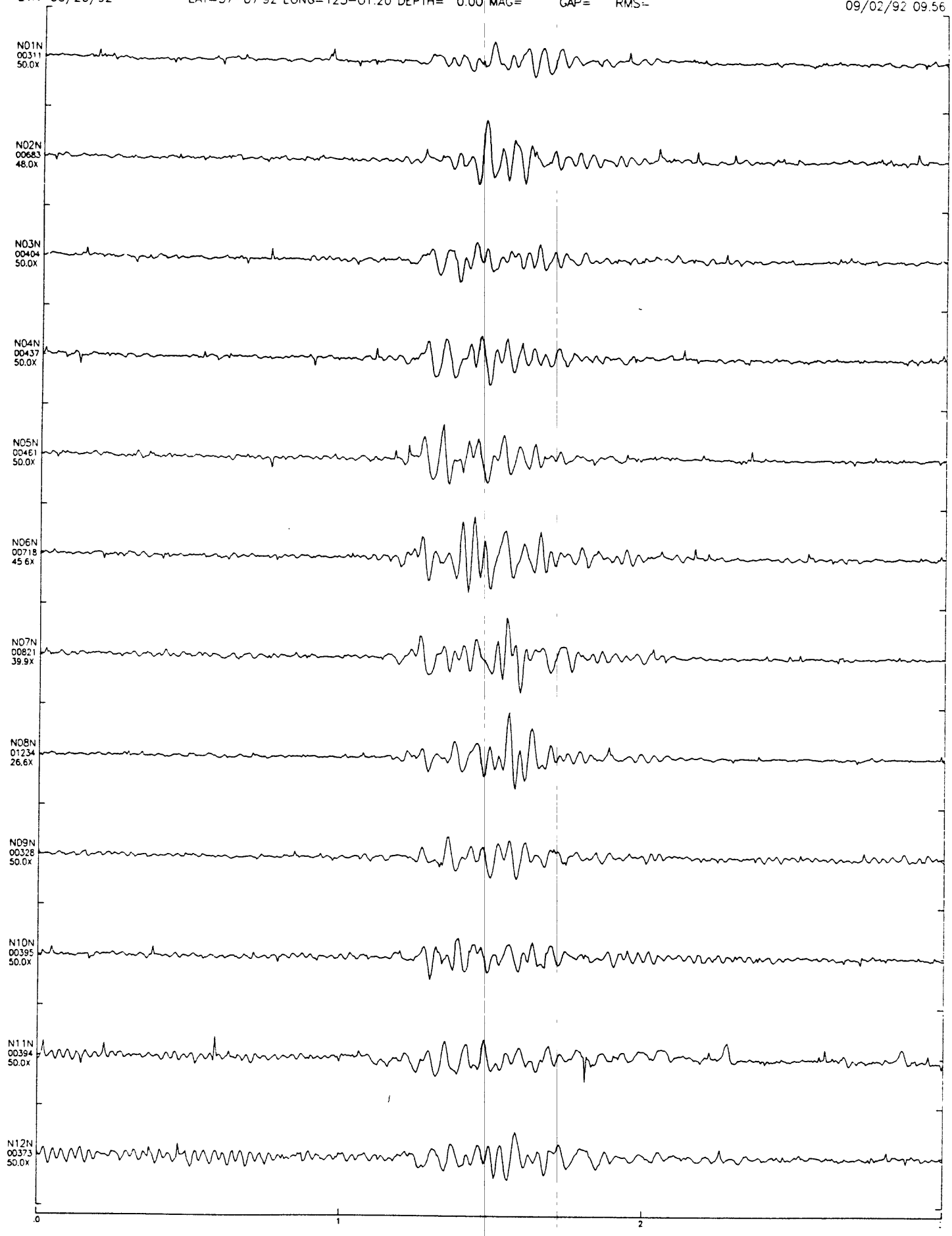
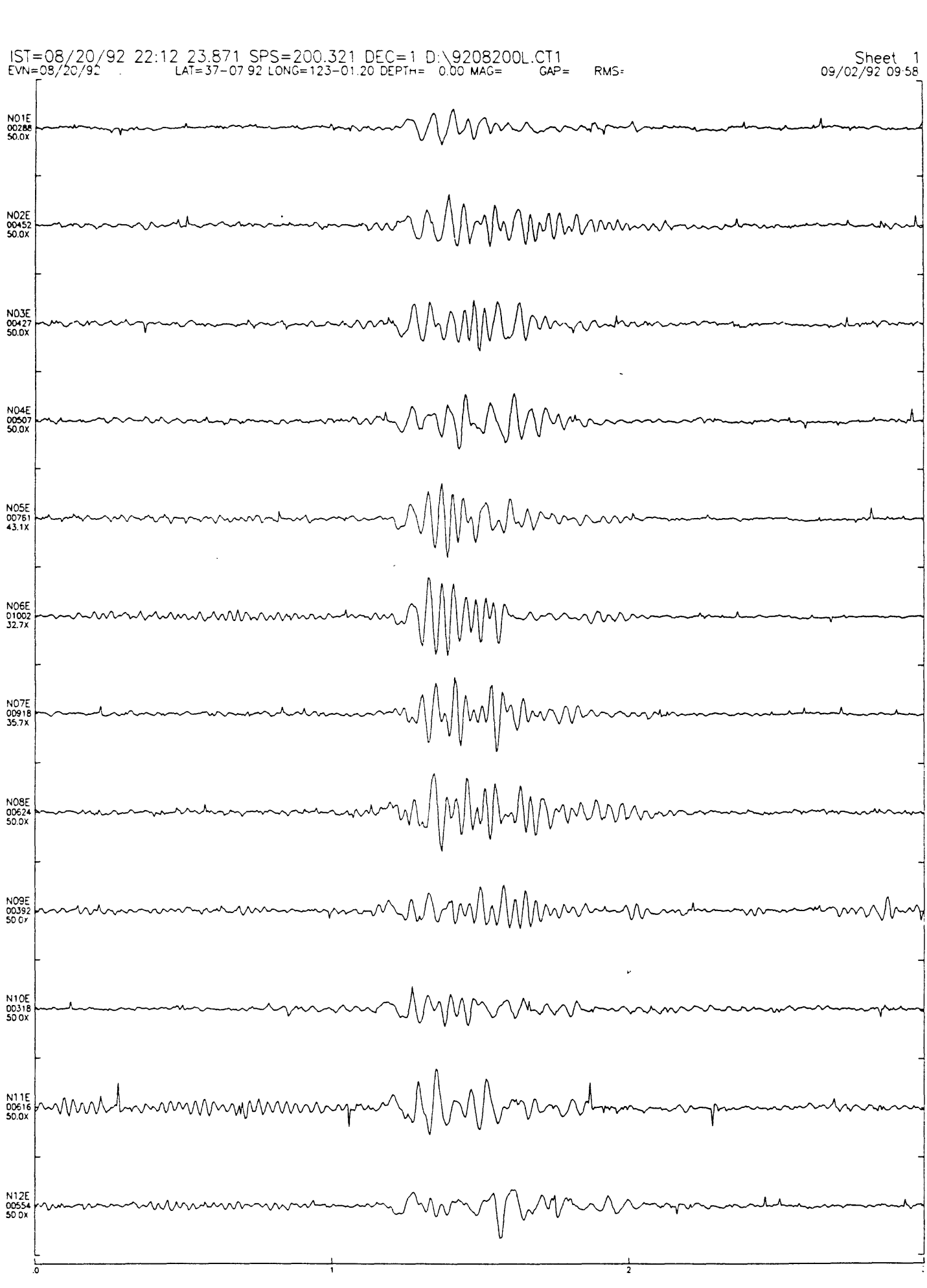
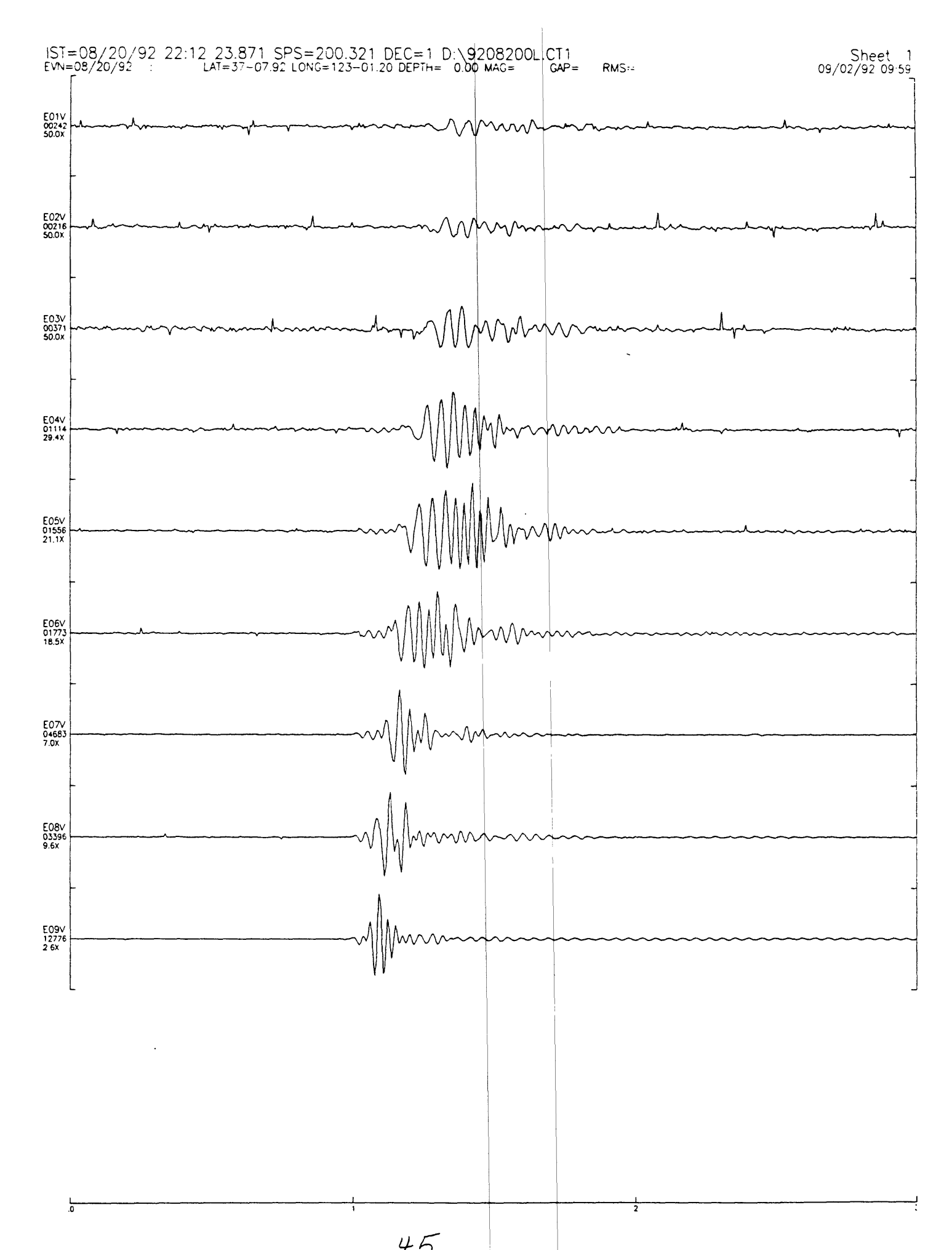
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/14/92 09:28
N01V
00210
50.0X
N02V
00338
50.0X
N03V
00348
50.0X
N04V
00371
50.0X
N05V
00387
50.0X
N06V
00585
50.0X
N07V
00670
48.9X
N08V
00517
50.0X
N09V
00205
50.0X
N10V
00173
50.0X
N11V
00241
50.0X
N12V
00461
50.0X
.0
1
2


IST=08/20/92 22:12 23.871 SPS=200.321 DEC=1 D:\9208200L.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/02/92 09.56
N01N
00311
50.0x
N02N
00683
48.0x
N03N
00404
50.0x
N04N
00437
50.0x
N05N
00461
50.0x
N06N
00718
45.6x
N07N
00821
39.9x
N08N
01234
26.6x
N09N
00328
50.0x
N10N
00395
50.0x
N11N
00394
50.0x
N12N
00373
50.0x
0
1
2


IST=08/20/92 22:12 23.871 SPS=200.321 DEC=1 D:\9208200L.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/02/92 09:58
N01E
00288
50.0X
N02E
00452
50.0X
N03E
00427
50.0X
N04E
00507
50.0X
N05E
00761
43.1X
N06E
01002
32.7X
N07E
00918
35.7X
N08E
00624
50.0X
N09E
00392
50.0X
N10E
00318
50.0X
N11E
00616
50.0X
N12E
00554
50.0X
0
1
2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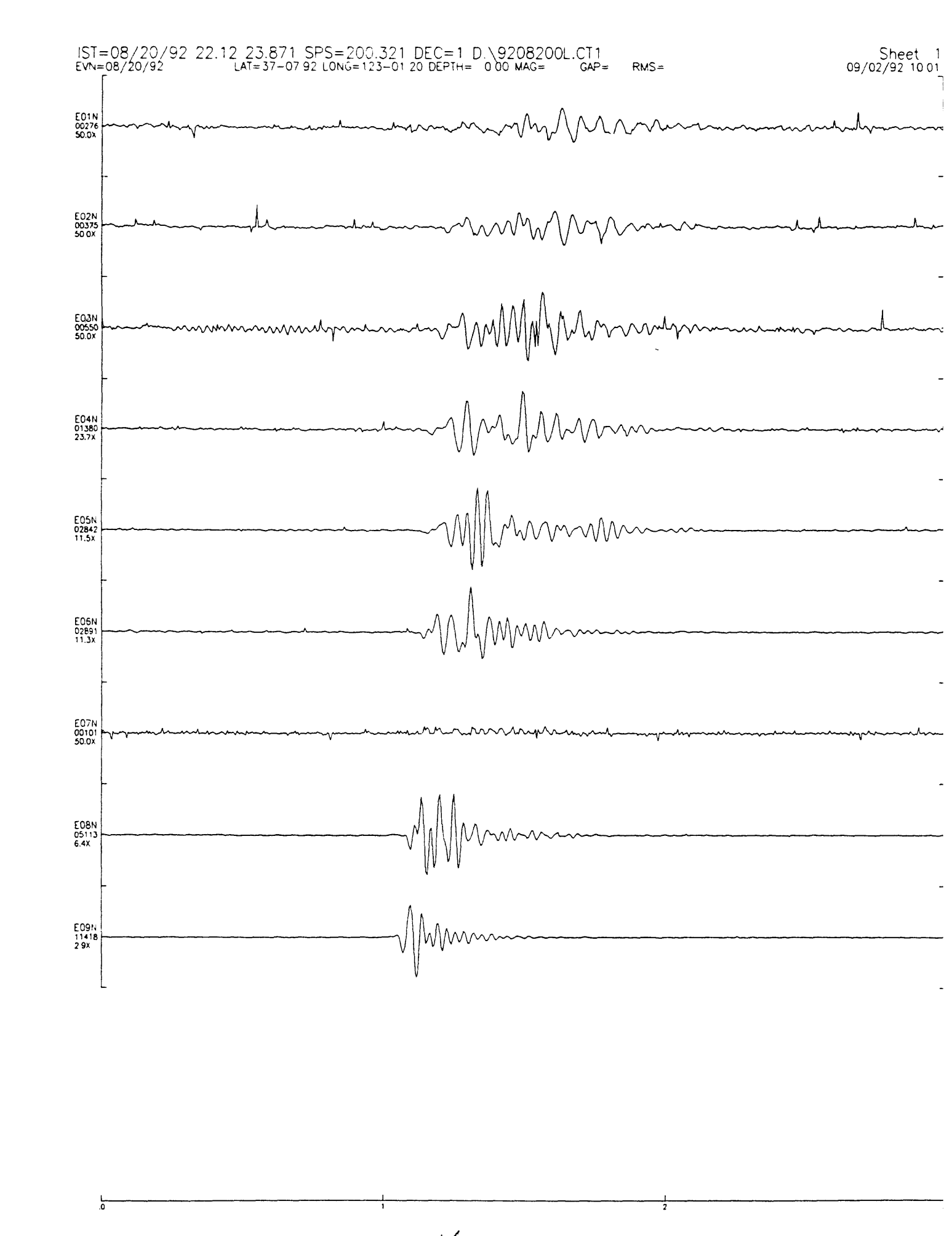
Sheet 1
09/02/92 09:59
E01V
00242
50.0X
E02V
00216
50.0X
E03V
00371
50.0X
E04V
01114
29.4X
E05V
01556
21.1X
E06V
01773
18.5X
E07V
04683
7.0X
E08V
03396
9.6X
E09V
12776
2.6X
0
1
2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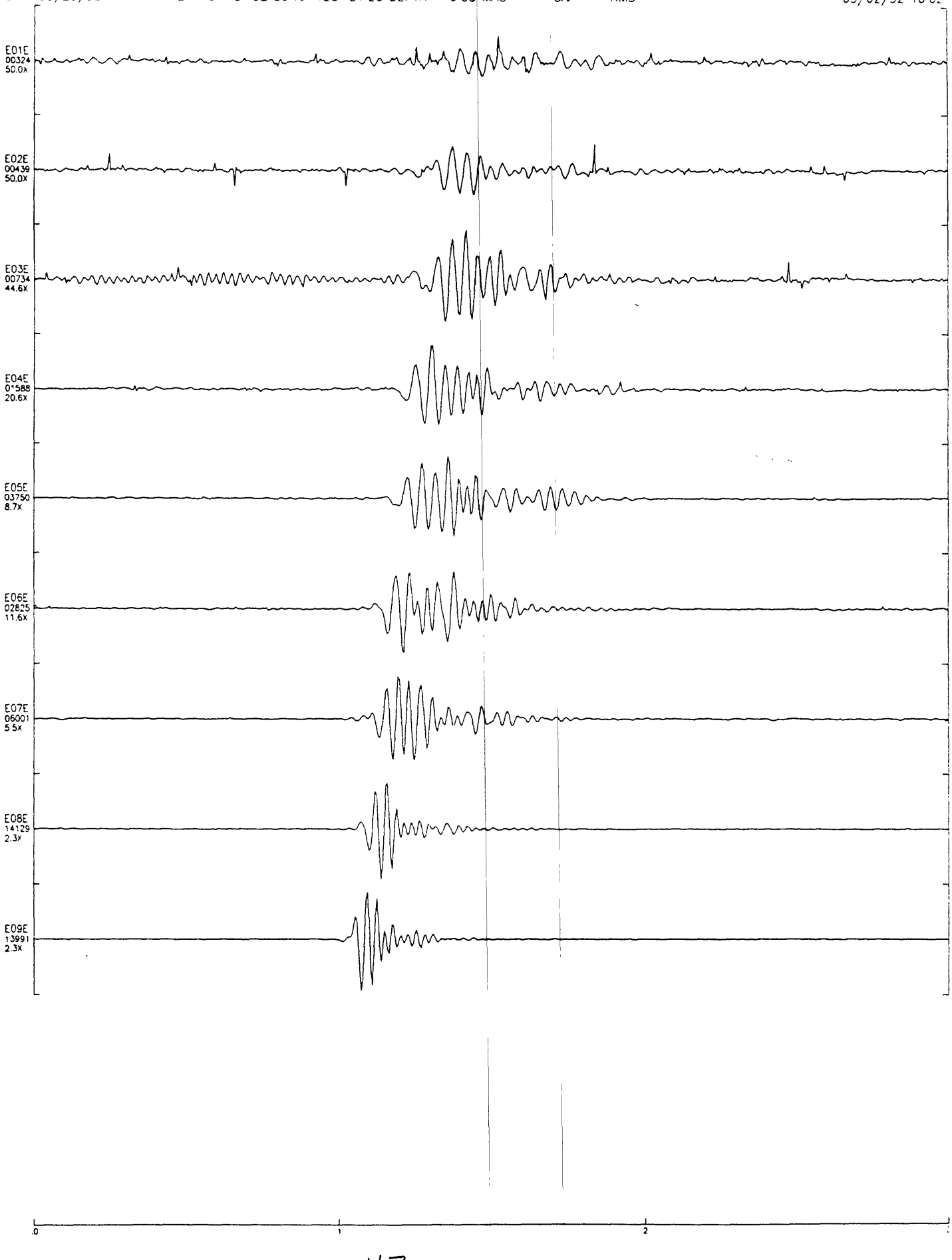
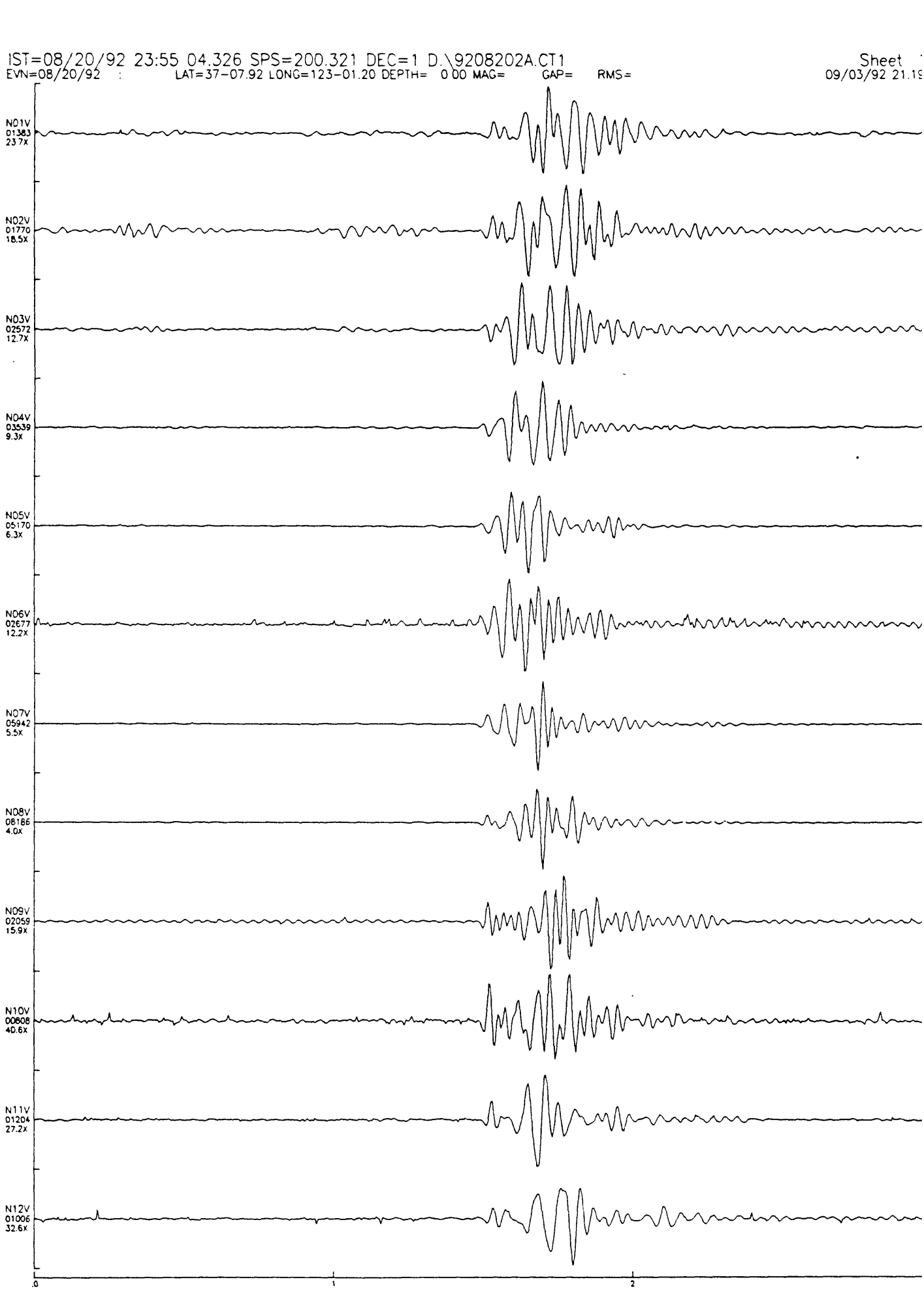
EVN=08/20/92 LAT=37-07 92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
Sheet 1
09/02/92 10 01
E01N
00276
50.0x
E02N
00375
50.0x
E03N
00550
50.0x
E04N
01380
23.7x
E05N
02842
11.5x
E06N
02891
11.3x
E07N
00101
50.0x
E08N
05113
6.4x
E09N
11418
2.9x
.0
1
2


E01E
00324
50.0x
E02E
00439
50.0x
E03E
00734
44.6x
E04E
01588
20.6x
E05E
03750
8.7x
E06E
02825
11.6x
E07E
06001
5.5x
E08E
14129
2.3x
E09E
13991
2.3x
.0
1
2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Sheet
09/03/92 21.19
N01V
01383
23.7X
N02V
01770
18.5X
N03V
02572
12.7X
N04V
03539
9.3X
N05V
05170
6.3X
N06V
02677
12.2X
N07V
05942
5.5X
N08V
08186
4.0X
N09V
02059
15.9X
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00808
40.6X
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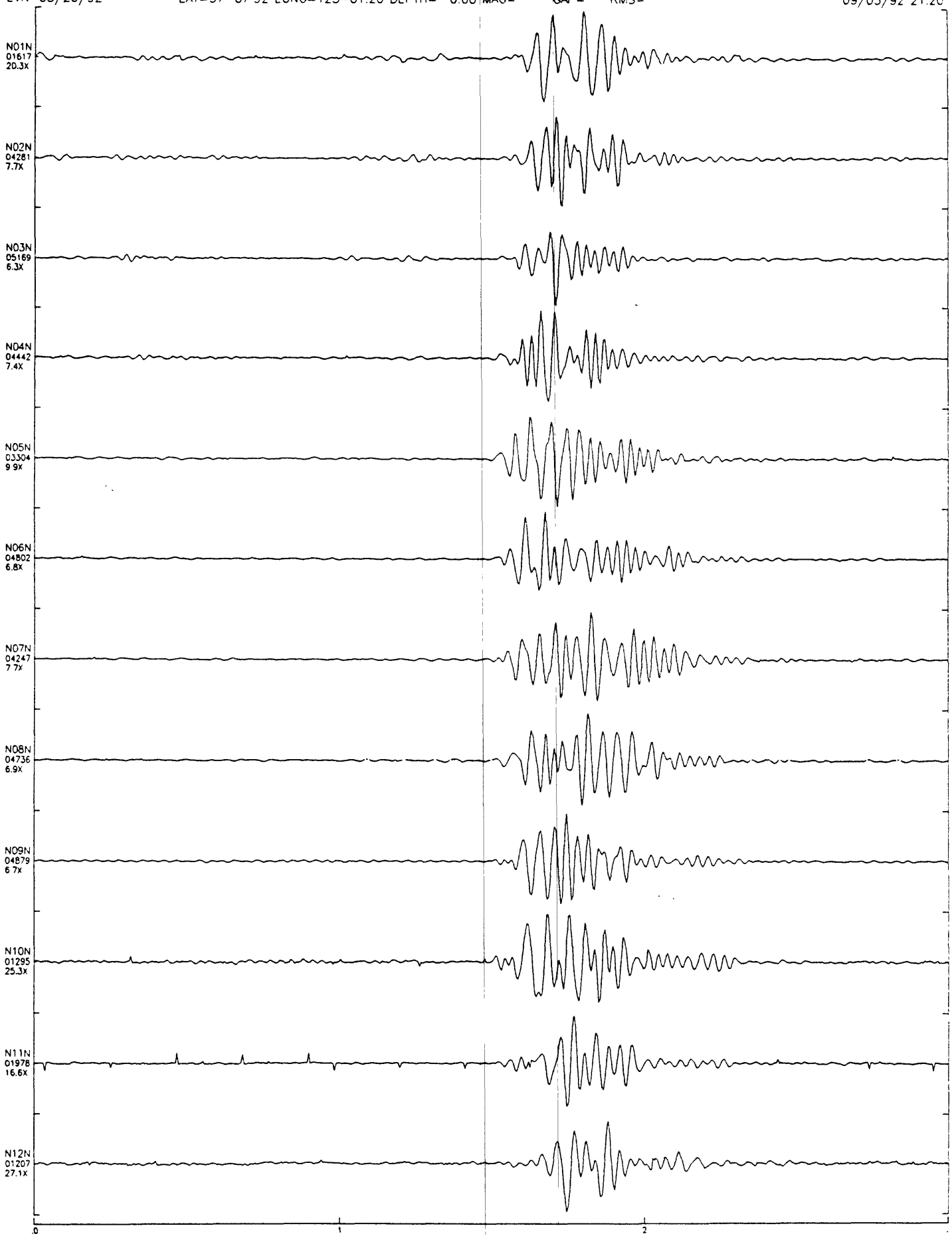
27.2X
N12V
01006
32.6X
.0
1
2


!ST=08/20/92 23:55 04.326 SPS=200.321 DEC=1 D:\9208202A.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 21.20
N01N
01617
20.3X
N02N
04281
7.7X
N03N
05169
6.3X
N04N
04442
7.4X
N05N
03304
9 9X
N06N
04802
6.8X
N07N
04247
7 7X
N08N
04736
6.9X
N09N
04879
6 7X
N10N
01295
25.3X
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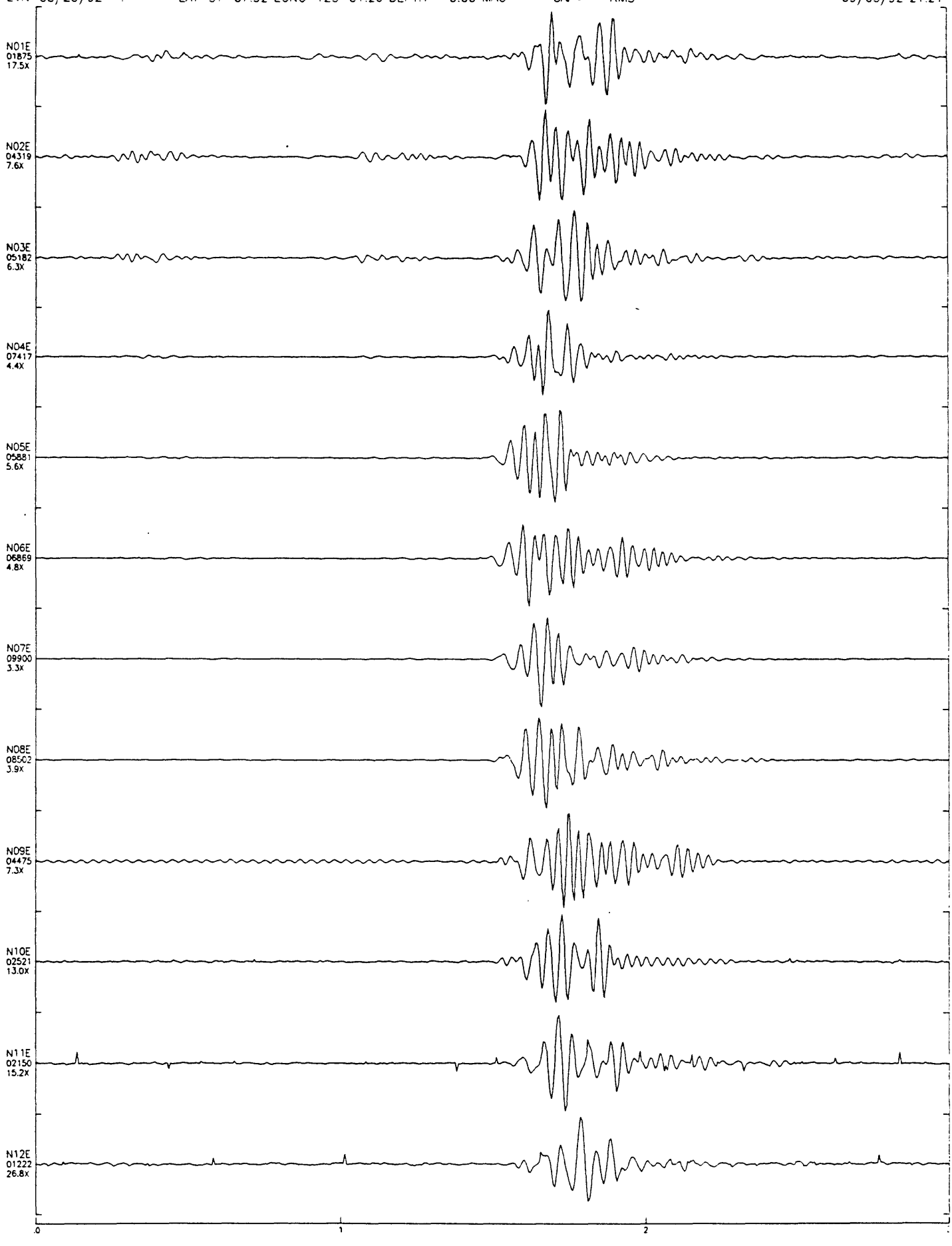
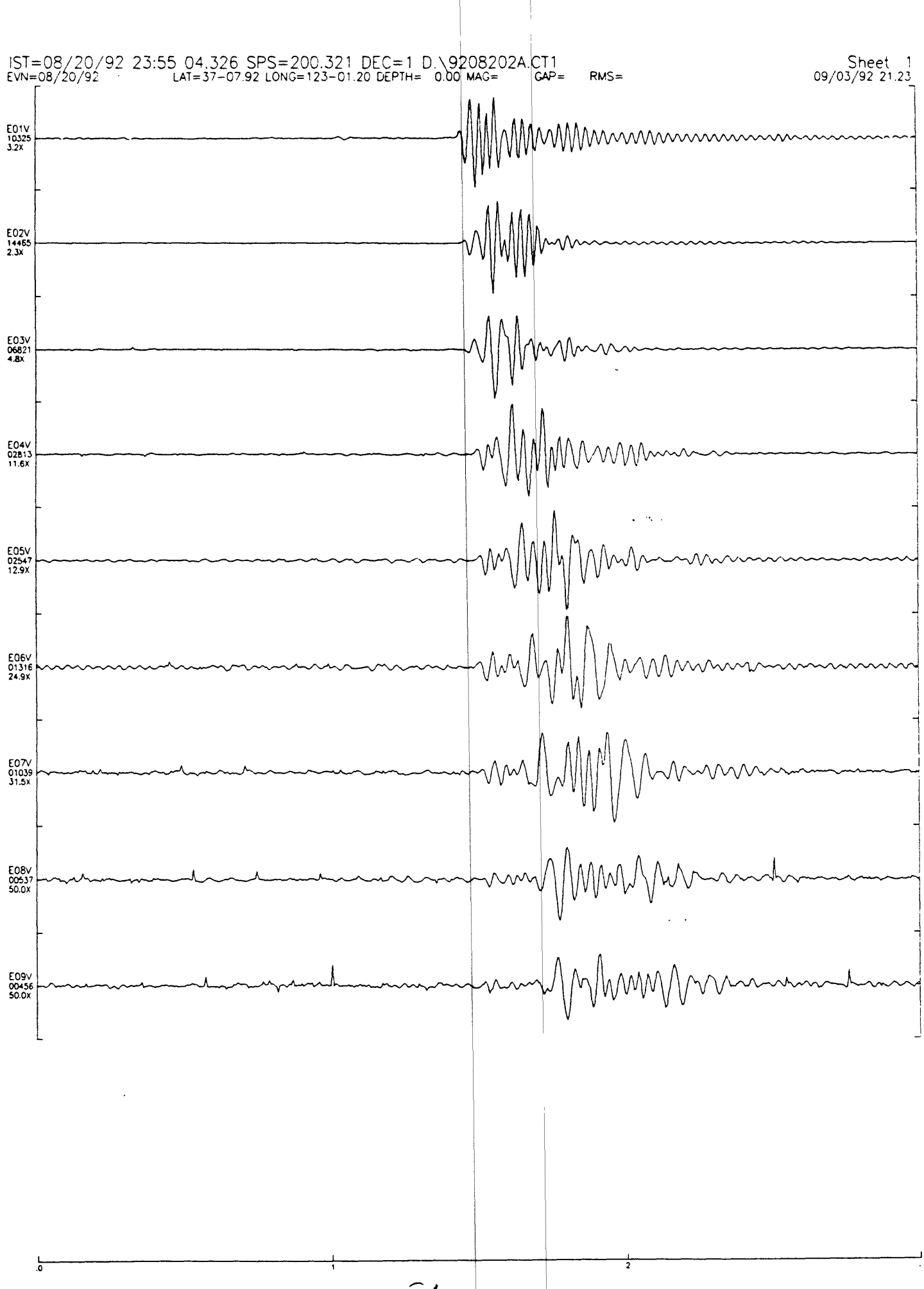
01978
16.6X
N12N
01207
27.1X
.0
1
2


IST=08/20/92 23:55 04.326 SPS=200.321 DEC=1 D:\9208202A.CT1
Sheet 1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
09/03/92 21.21
N01E
01875
17.5x
N02E
04319
7.6x
N03E
05182
6.3x
N04E
07417
4.4x
N05E
05881
5.6x
N06E
06869
4.8x
N07E
09900
3.3x
N08E
08502
3.9x
N09E
04475
7.3x
N10E
02521
13.0x
N11E
02150
15.2x
N12E
01222
26.8x
0
1
2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EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 21.23
E01V
10325
3.2X
E02V
14465
2.3X
E03V
06821
4.8X
E04V
02813
11.6X
E05V
02547
12.9X
E06V
01316
24.9X
E07V
01039
31.5X
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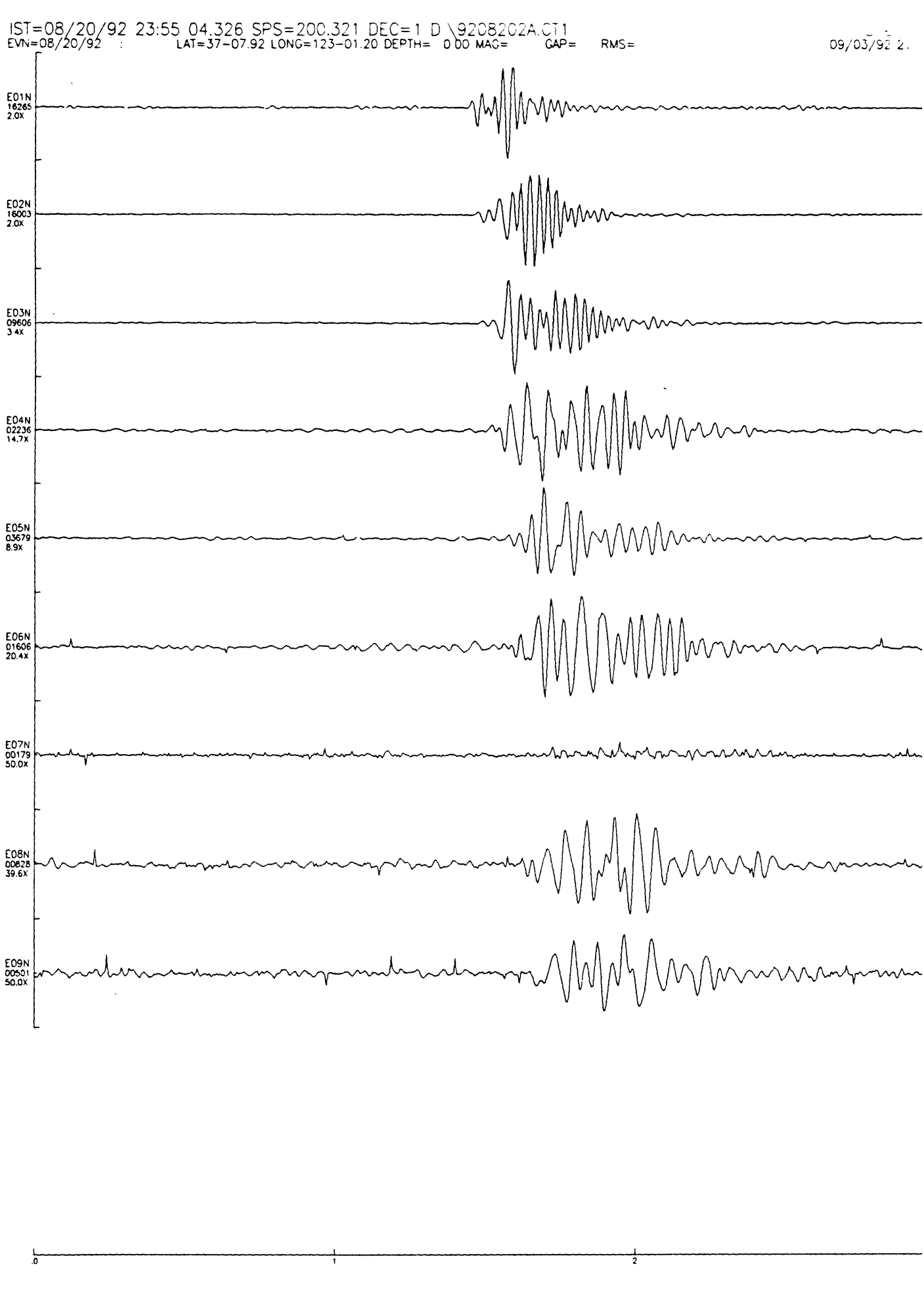
E09V
00456
50.0X
.0
1
2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09/03/92 2.
E01N
16265
2.0X
E02N
16003
2.0X
E03N
09606
3.4X
E04N
02236
14.7X
E05N
03679
8.9X
E06N
01606
20.4X
E07N
00179
50.0X
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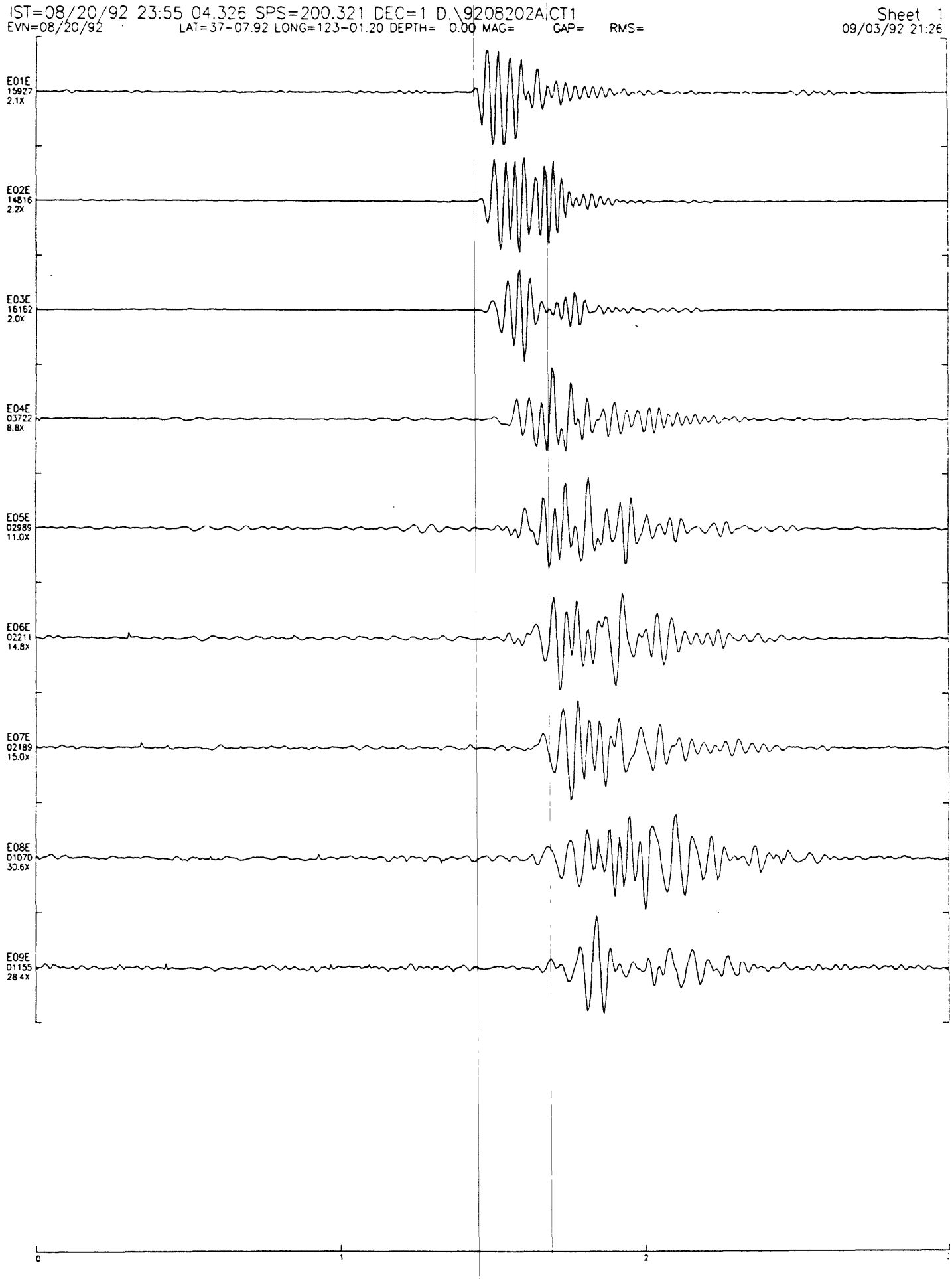
.0
1
2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EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 21:26
E01E
15927
2.1X
E02E
14816
2.2X
E03E
16162
2.0X
E04E
03722
8.8X
E05E
02989
11.0X
E06E
02211
14.8X
E07E
02189
15.0X
E08E
01070
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E09E
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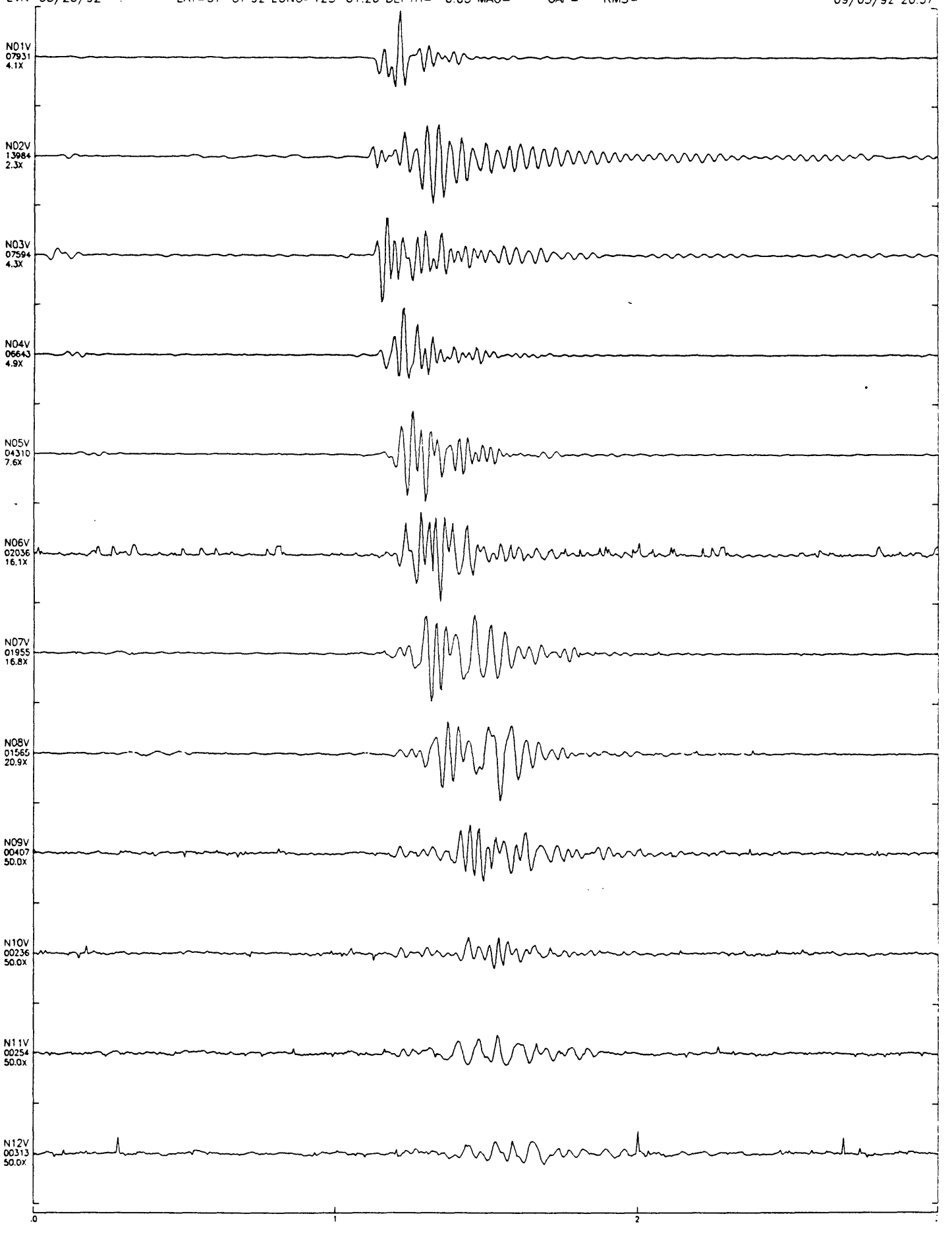
0
1
2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09/03/92 20.37
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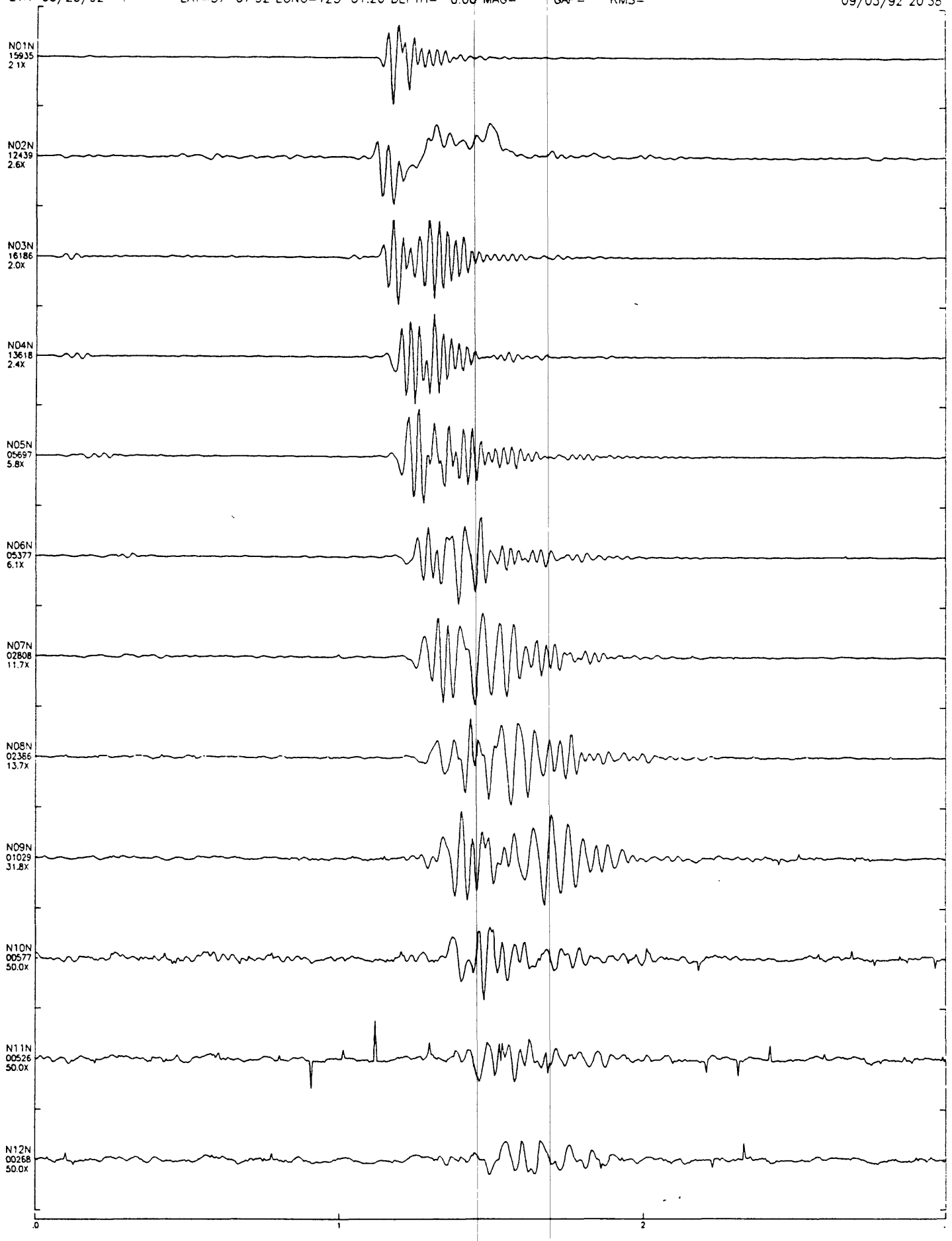
4.1X
N02V
13984
2.3X
N03V
07594
4.3X
N04V
06643
4.9X
N05V
04310
7.6X
N06V
02036
16.1X
N07V
01955
16.8X
N08V
01565
20.9X
N09V
00407
50.0X
N10V
00236
50.0X
N11V
00254
50.0X
N12V
00313
50.0X
.0
1
2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GAP=
RMS=
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09/03/92 20 38
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15935
2.1X
N02N
12439
2.6X
N03N
16186
2.0X
N04N
13618
2.4X
N05N
05697
5.8X
N06N
05377
6.1X
N07N
02808
11.7X
N08N
02366
13.7X
N09N
01029
31.8X
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00268
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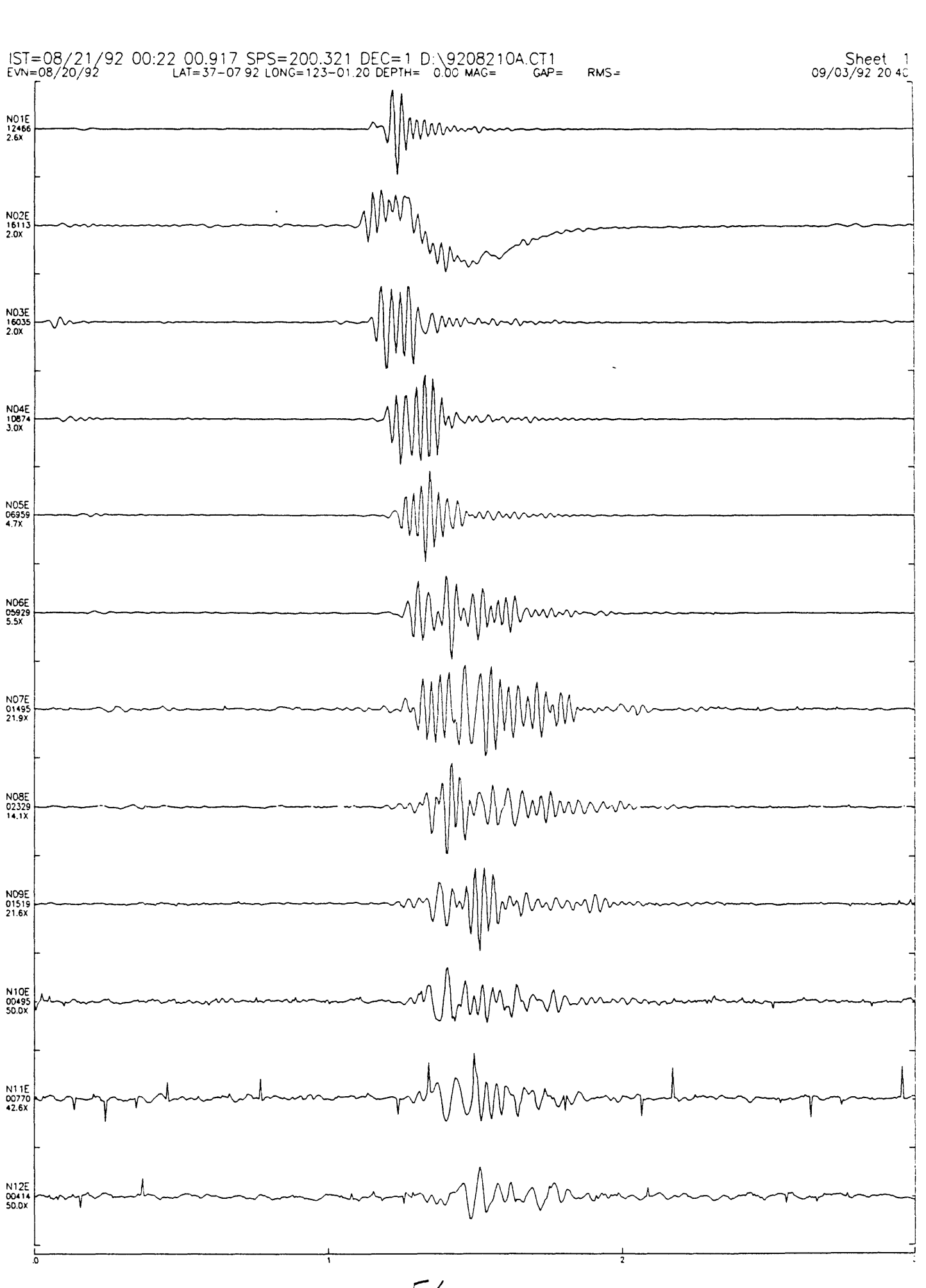
1
2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09/03/92 20 40
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12466
2.6X
N02E
16113
2.0X
N03E
16035
2.0X
N04E
10874
3.0X
N05E
06959
4.7X
N06E
05929
5.5X
N07E
01495
21.9X
N08E
02329
14.1X
N09E
01519
21.6X
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00495
50.0X
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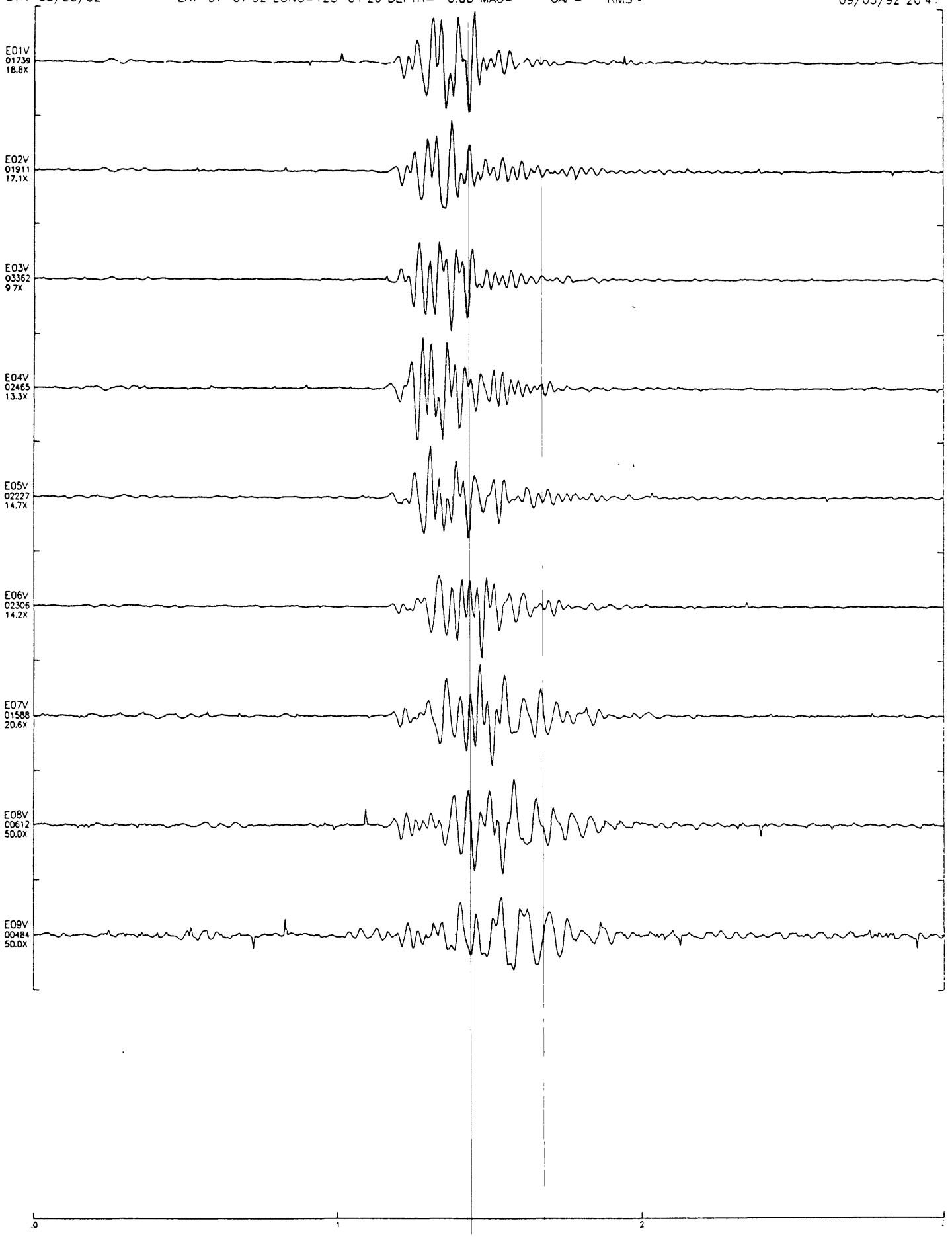
00770
42.6X
N12E
00414
50.0X
0
1
2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09/03/92 20 41
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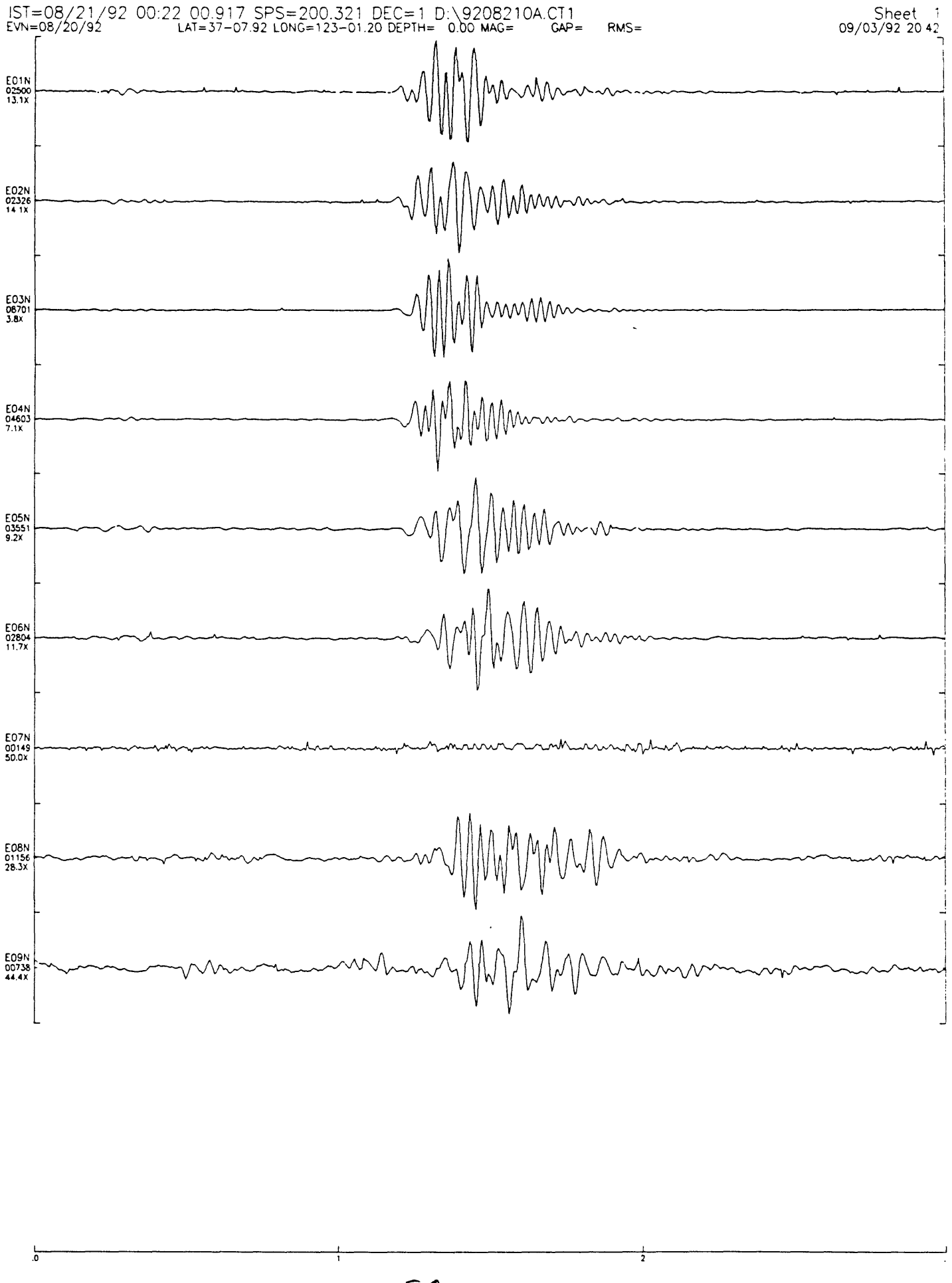
01739
18.8X
E02V
01911
17.1X
E03V
03362
9.7X
E04V
02465
13.3X
E05V
02227
14.7X
E06V
02306
14.2X
E07V
01588
20.6X
E08V
00612
50.0X
E09V
00484
50.0X
.0
1
2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09/03/92 20 42
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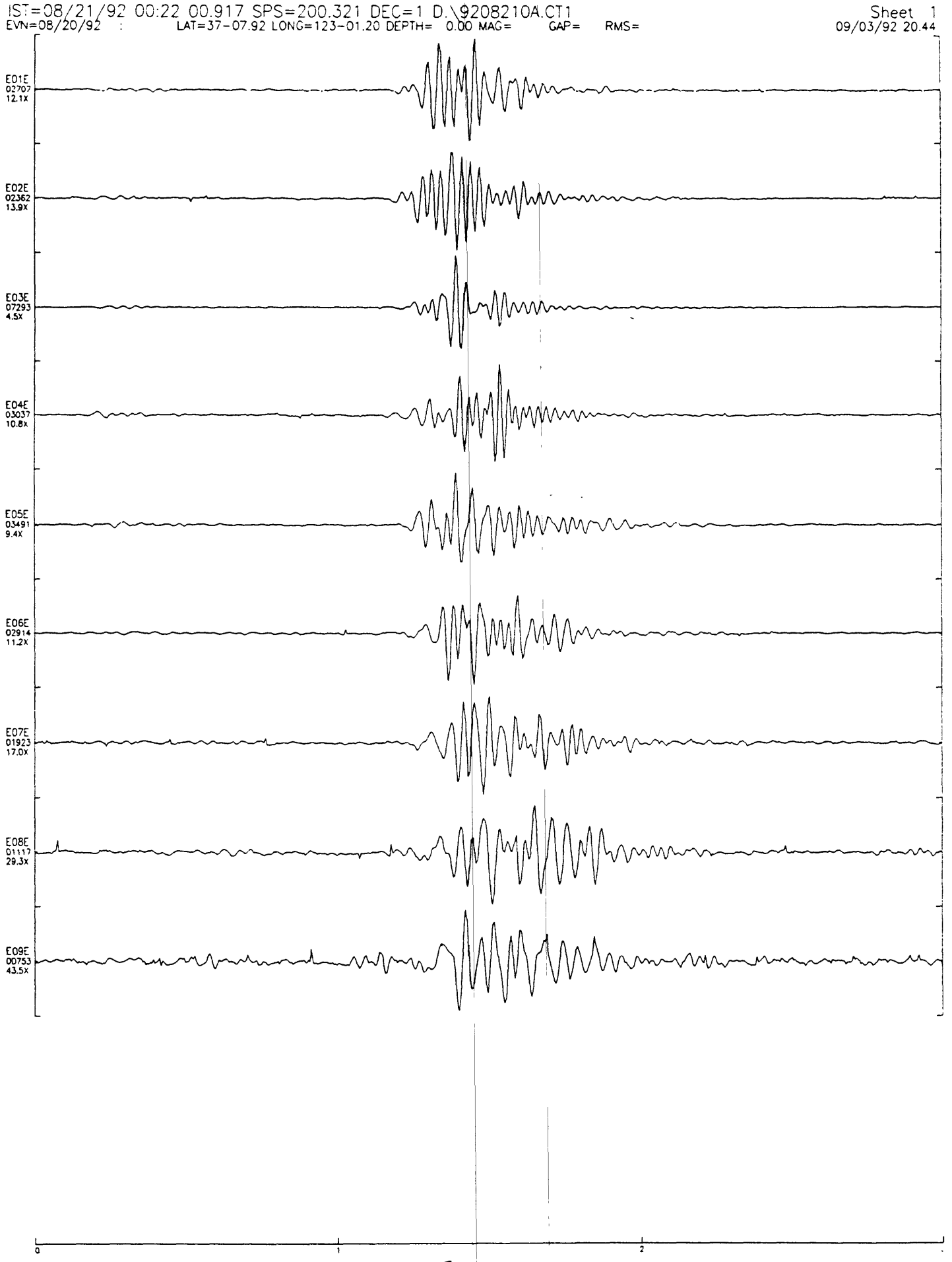
02500
13.1X
E02N
02326
14.1X
E03N
08701
3.8X
E04N
04603
7.1X
E05N
03551
9.2X
E06N
02804
11.7X
E07N
00149
50.0X
E08N
01156
28.3X
E09N
00738
44.4X
.0
1
2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09/03/92 20.44
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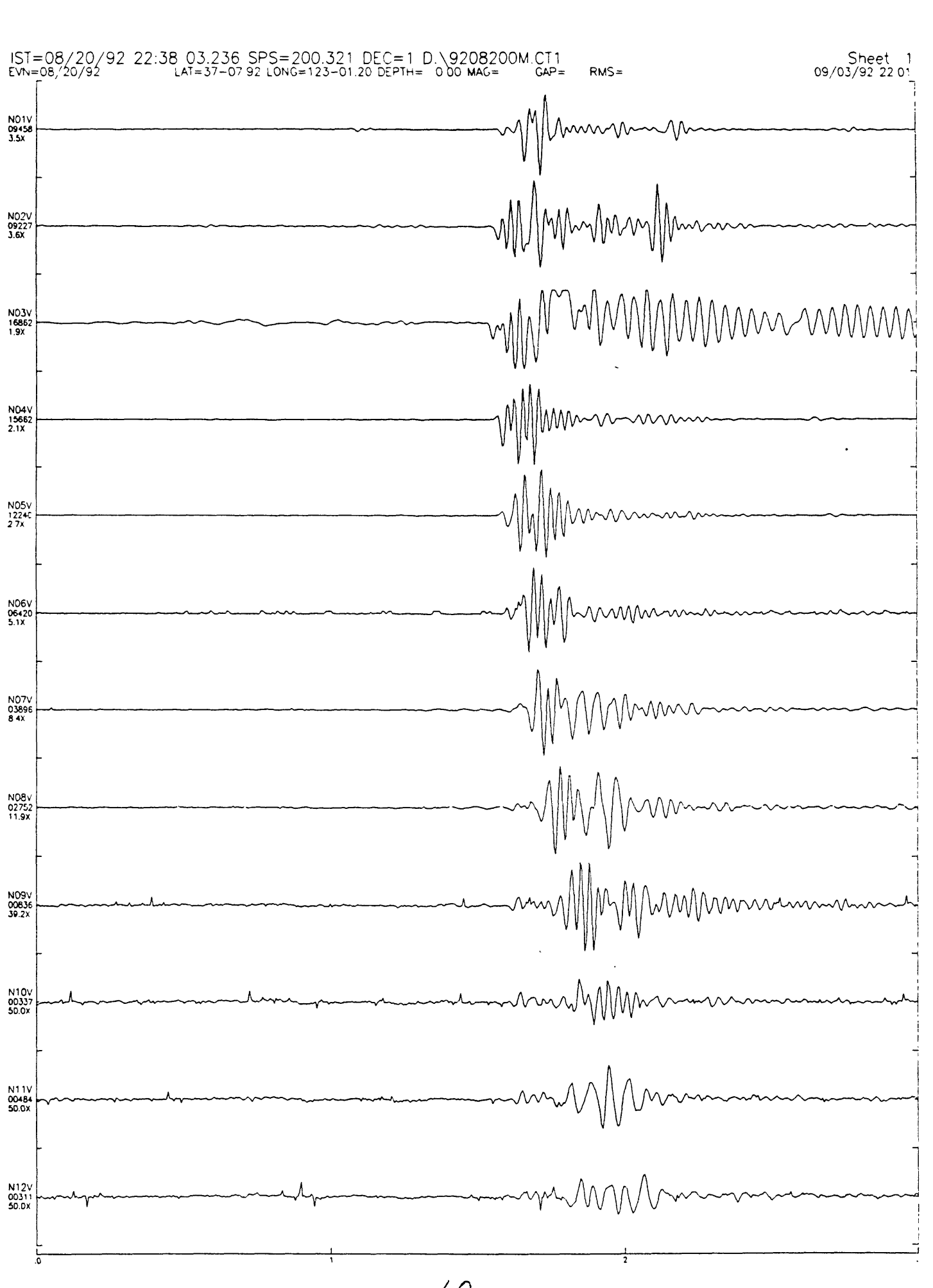
12.1x
E02E
02362
13.9x
E03E
07293
4.5x
E04E
03037
10.8x
E05E
03491
9.4x
E06E
02914
11.2x
E07E
01923
17.0x
E08E
01117
29.3x
E09E
00753
43.5x
0
1
2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09/03/92 22 01
N01V
09458
3.5x
N02V
09227
3.6x
N03V
16862
1.9x
N04V
15662
2.1x
N05V
12240
2 7x
N06V
06420
5.1x
N07V
03896
8 4x
N08V
02752
11.9x
N09V
00836
39.2x
N10V
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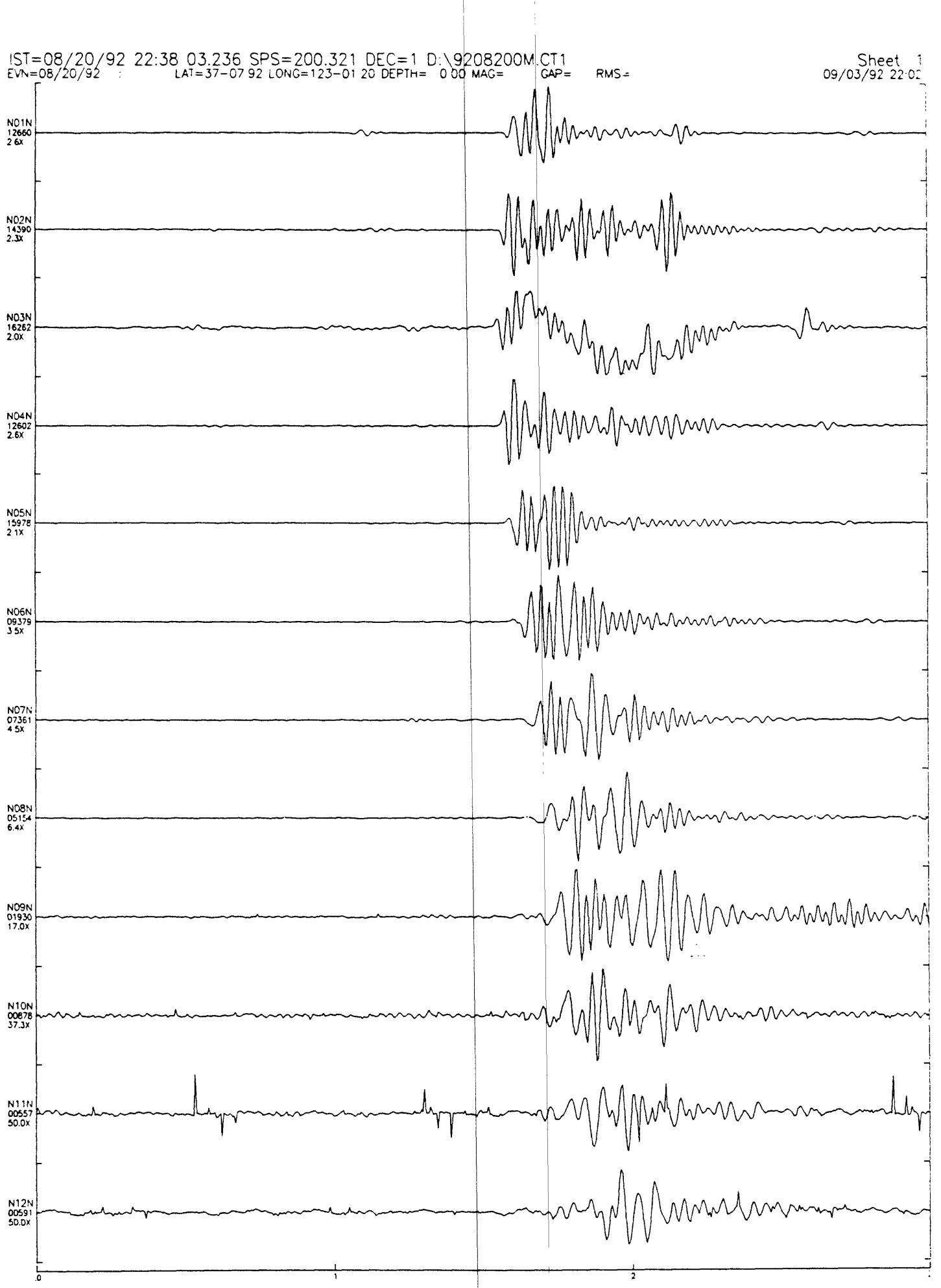
N12V
00311
50.0x
.0
1
2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LAT=37-07 92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
Sheet 1
09/03/92 22:02
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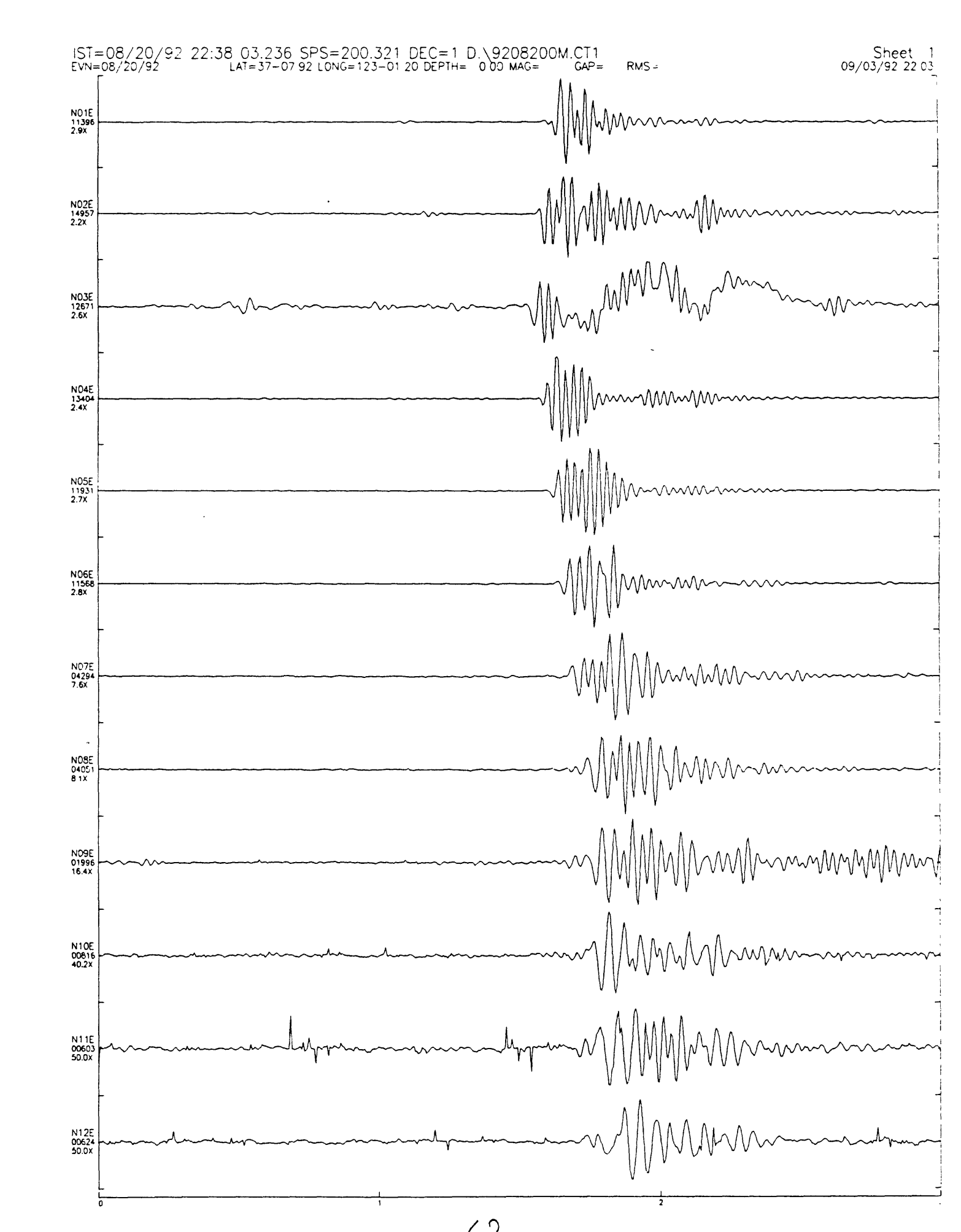
12660
2 6X
N02N
14390
2.3X
N03N
16262
2.0X
N04N
12602
2.6X
N05N
15978
2 1X
N06N
09379
3 5X
N07N
07361
4 5X
N08N
05154
6.4X
N09N
01930
17.0X
N10N
00678
37.3X
N11N
00557
50.0X
N12N
00591
50.0X
0
1
2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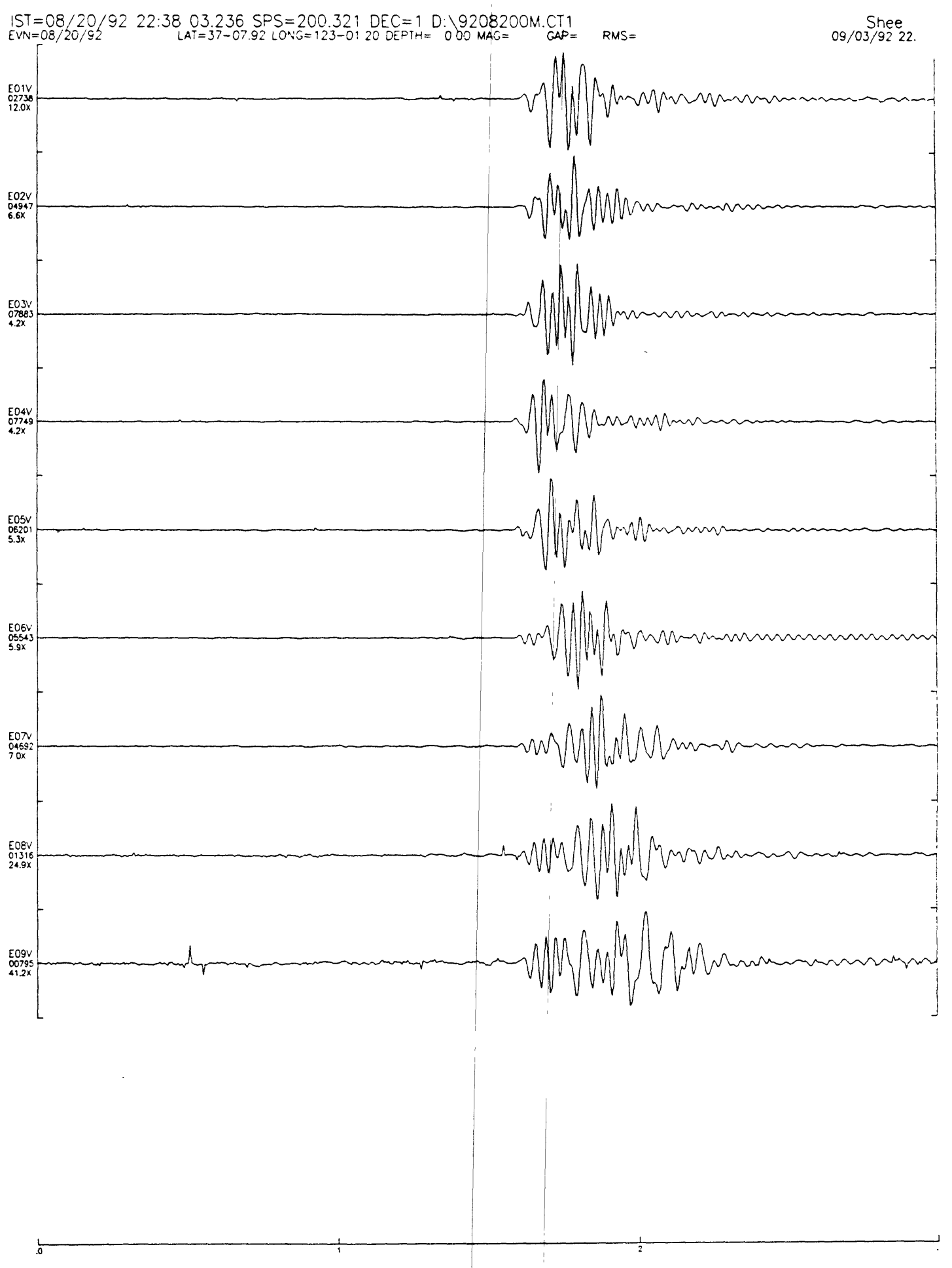
EVN=08/20/92 LAT=37-07 92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
Sheet 1
09/03/92 22 03
N01E
11396
2.9X
N02E
14957
2.2X
N03E
12671
2.6X
N04E
13404
2.4X
N05E
11931
2.7X
N06E
11568
2.8X
N07E
04294
7.6X
N08E
04051
8.1X
N09E
01996
16.4X
N10E
00816
40.2X
N11E
00603
50.0X
N12E
00624
50.0X
0
1
2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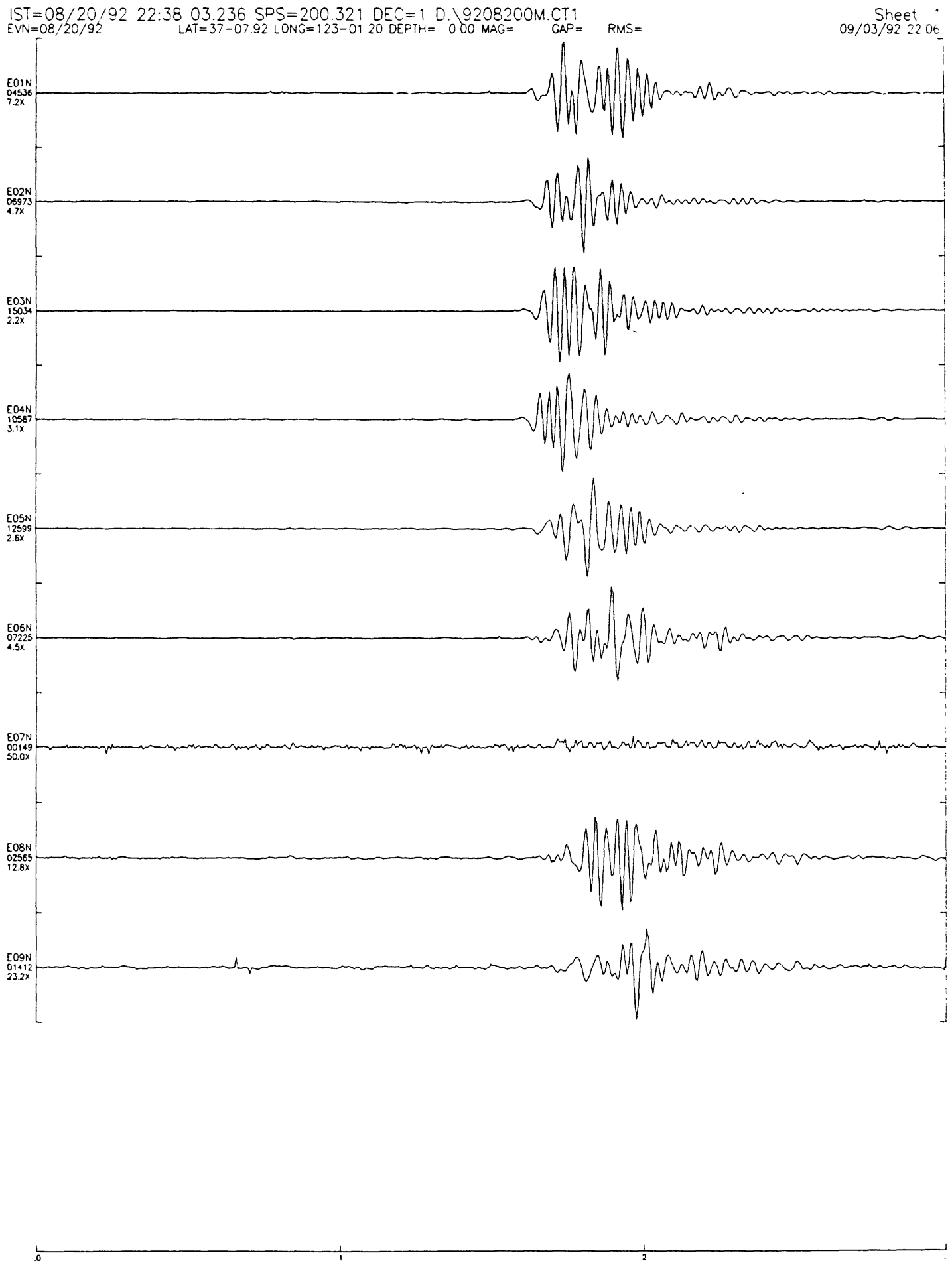
EVN=08/20/92 LAT=37-07.92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
Shee
09/03/92 22.
E01V
02738
12.0x
E02V
04947
6.6x
E03V
07883
4.2x
E04V
07749
4.2x
E05V
06201
5.3x
E06V
05543
5.9x
E07V
04692
7.0x
E08V
01316
24.9x
E09V
00795
41.2x
.0
1
2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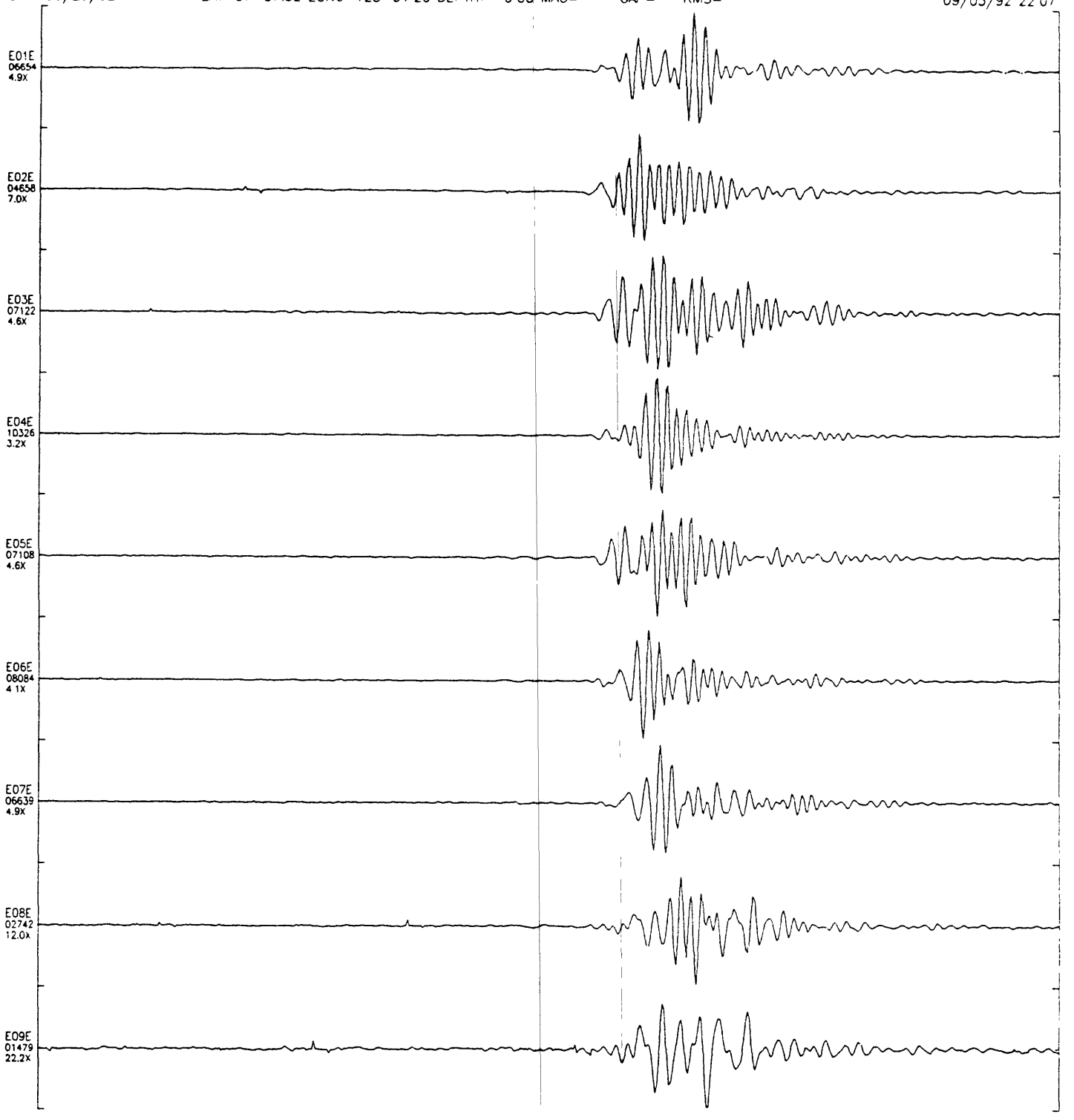
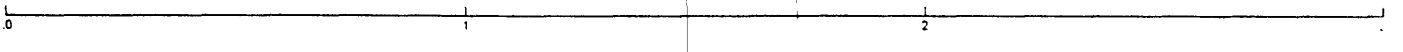
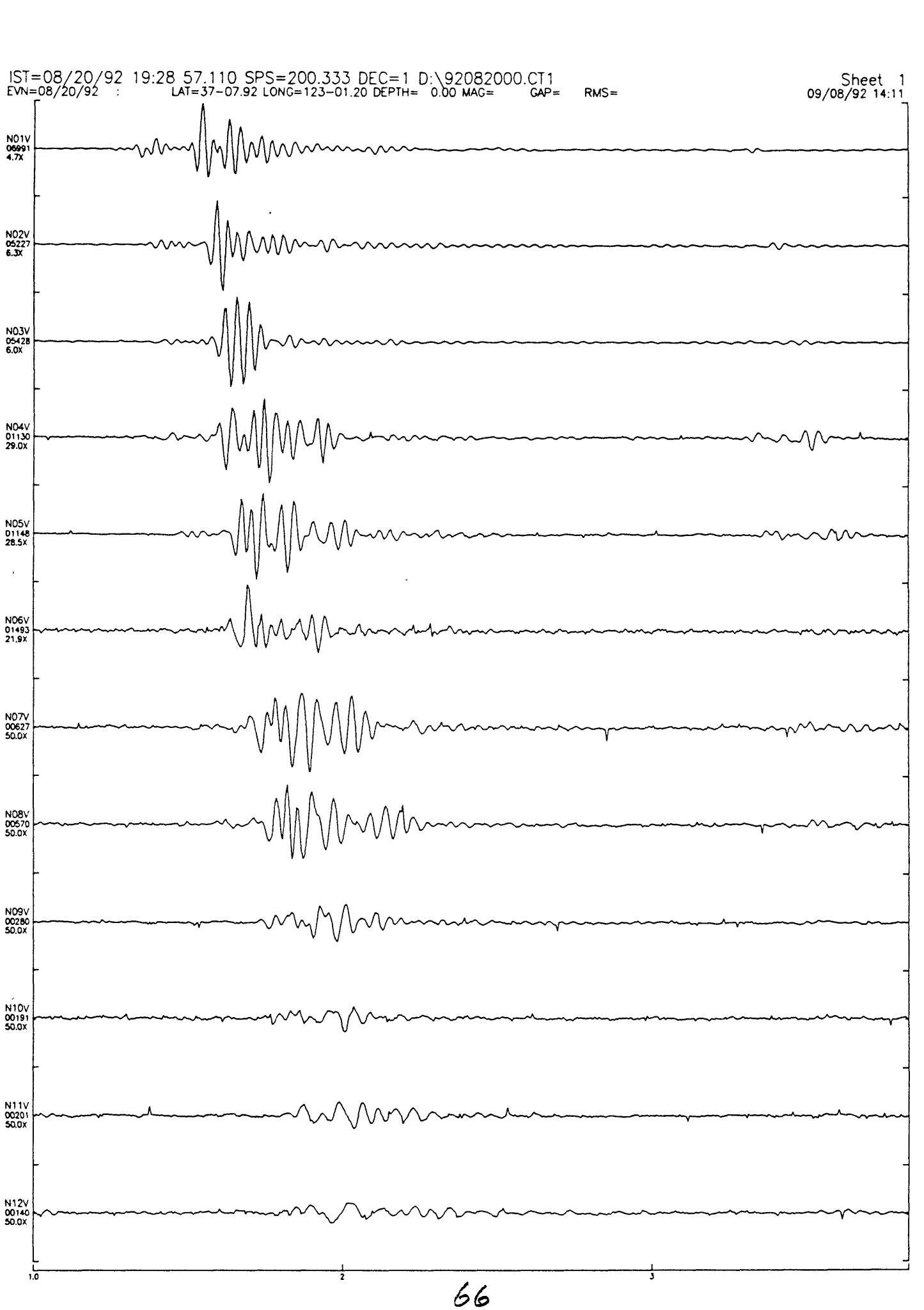
Sheet 1
09/03/92 22 06
E01N
04536
7.2x
E02N
06973
4.7x
E03N
15034
2.2x
E04N
10587
3.1x
E05N
12599
2.6x
E06N
07225
4.5x
E07N
00149
50.0x
E08N
02565
12.8x
E09N
01412
23.2x
.0
1
2

IST=08/20/92 22:38 03.236 SPS=200.321 DEC=1 D:\9208200M.CT1
EVN=08/20/92 LAT=37-07.92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=

Sheet 1
09/03/92 22 07



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09/08/92 14:11
N01V
06991
4.7X
N02V
05227
6.3X
N03V
05428
6.0X
N04V
01130
29.0X
N05V
01148
28.5X
N06V
01493
21.9X
N07V
00627
50.0X
N08V
00570
50.0X
N09V
00280
50.0X
N10V
00191
50.0X
N11V
00201
50.0X
N12V
00140
50.0X
1.0
2
3

IST=08/20/92 19:28 57.110 SPS=200.333 DEC=1 D:\92082000.CT1
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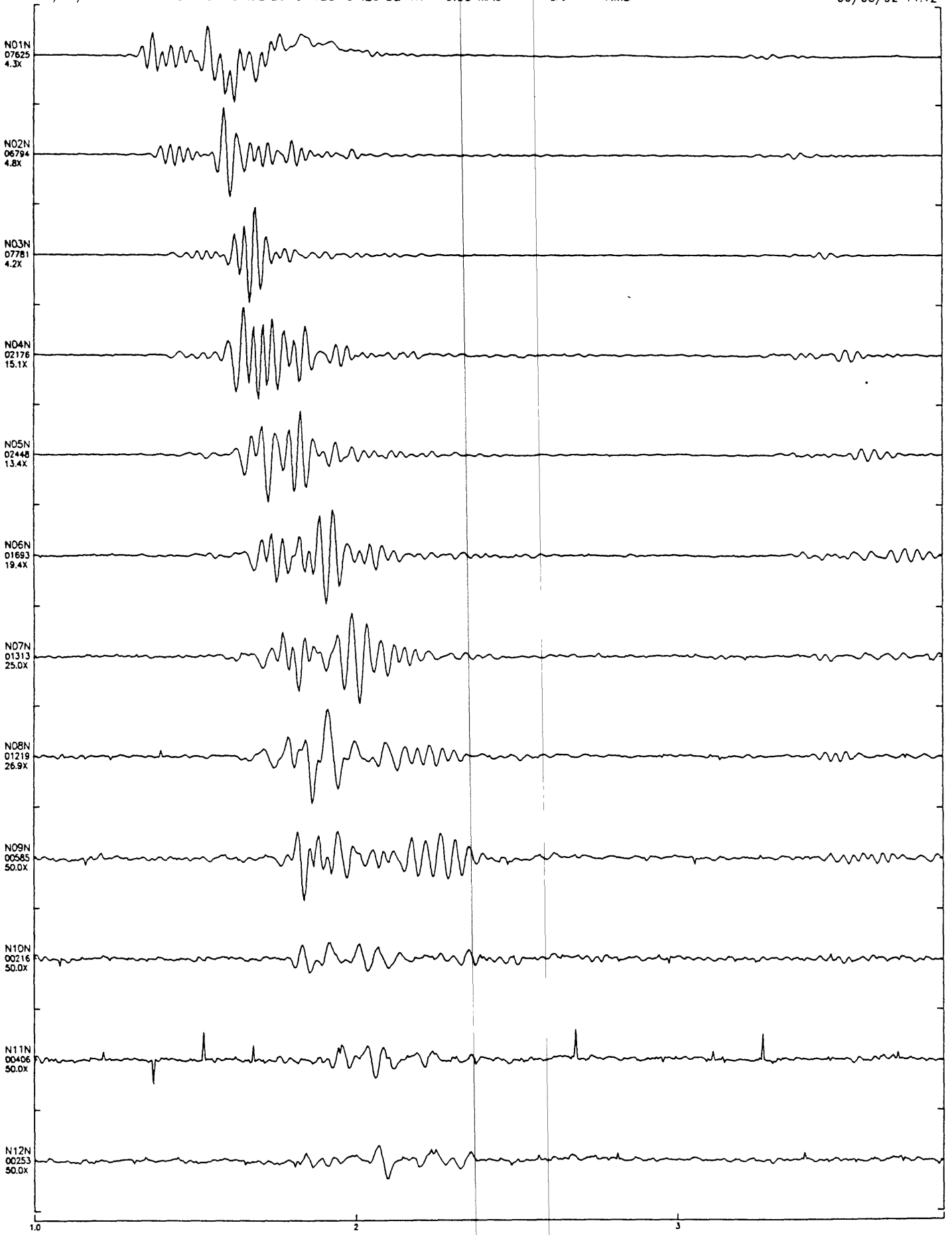
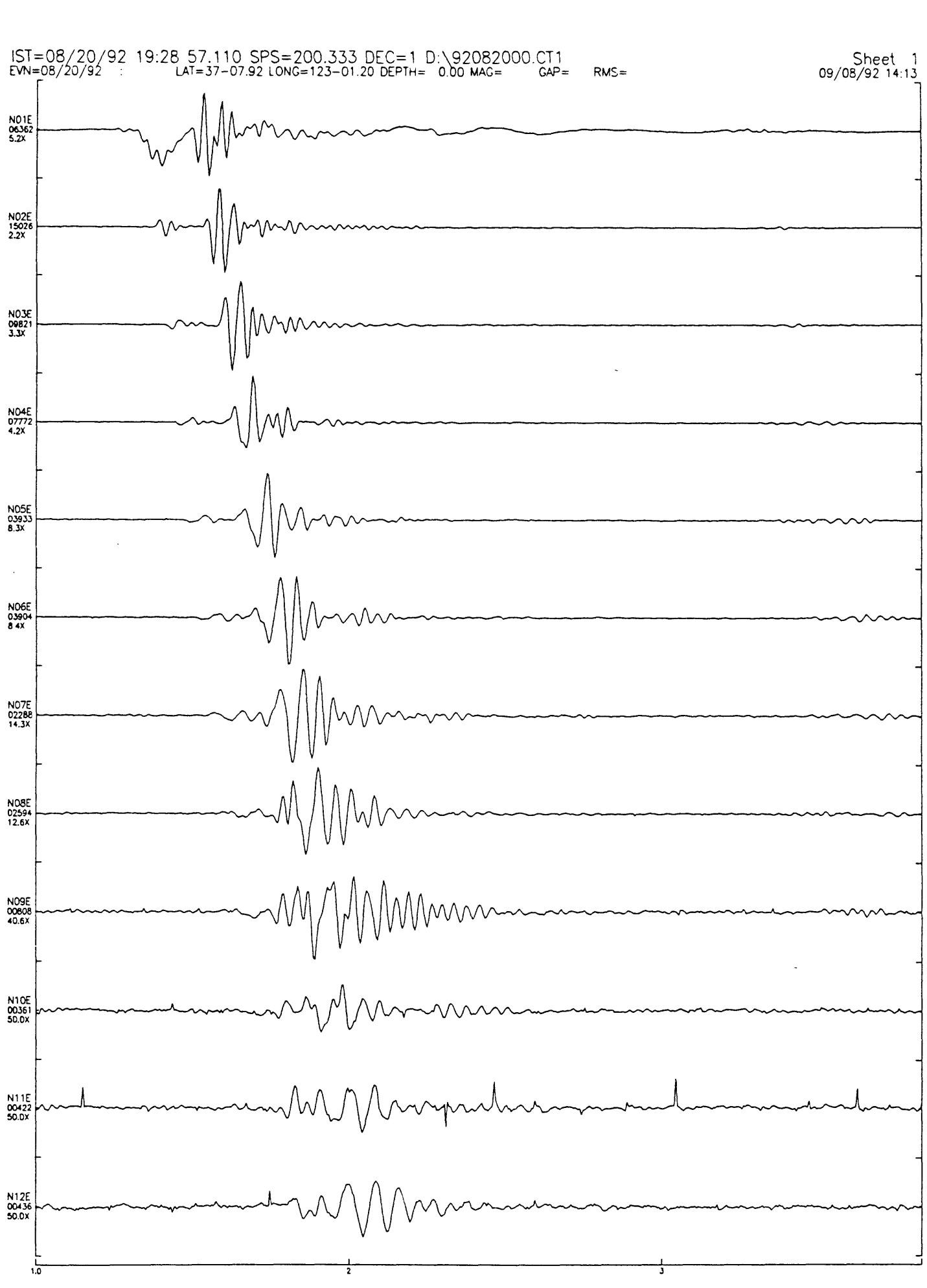
Sheet 1
09/08/92 14:12

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09/08/92 14:13
N01E
06362
5.2X
N02E
15026
2.2X
N03E
09821
3.3X
N04E
07772
4.2X
N05E
03933
8.3X
N06E
03904
8.4X
N07E
02288
14.3X
N08E
02594
12.6X
N09E
00808
40.6X
N10E
00361
50.0X
N11E
00422
50.0X
N12E
00436
50.0X
1.0
2
3

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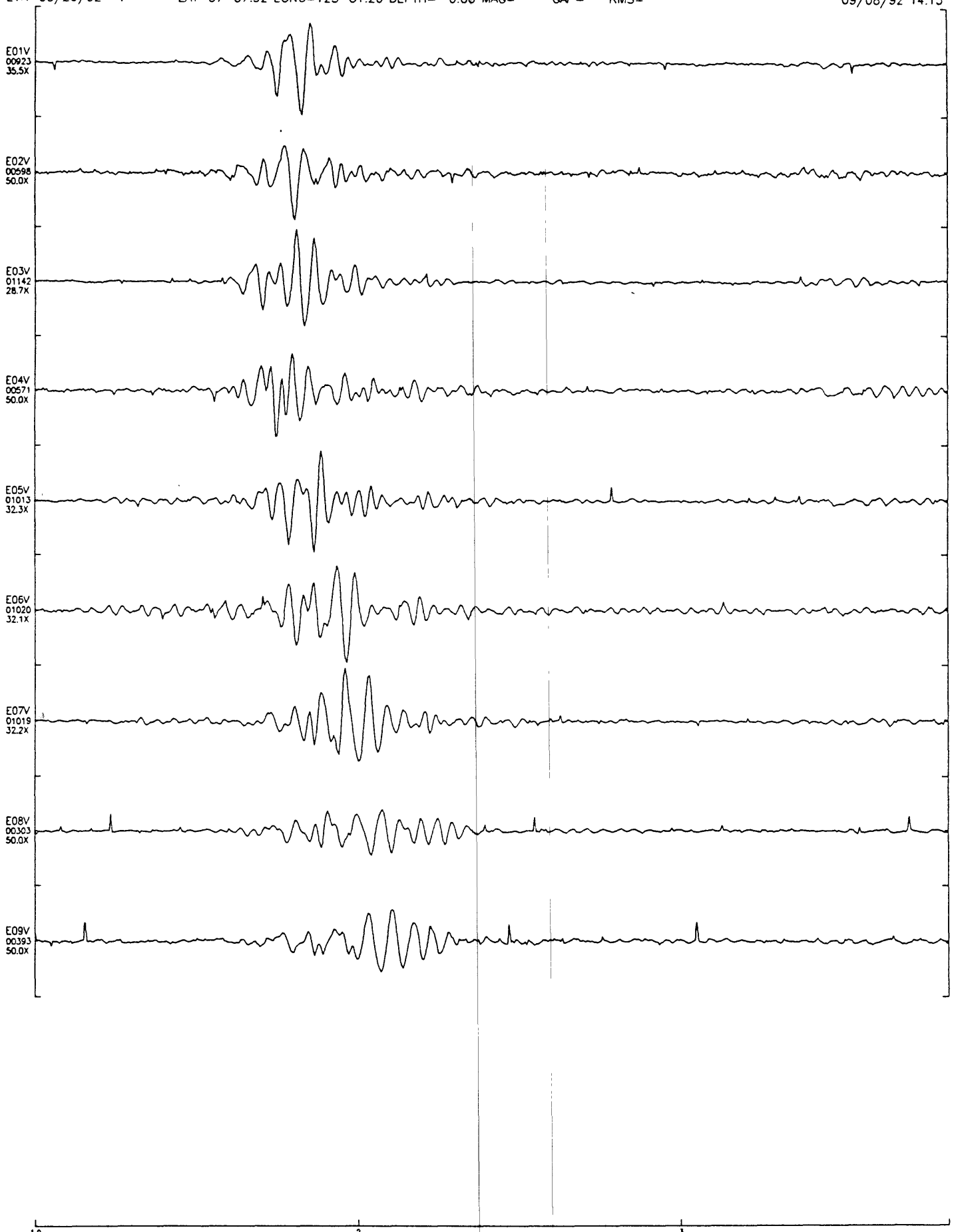
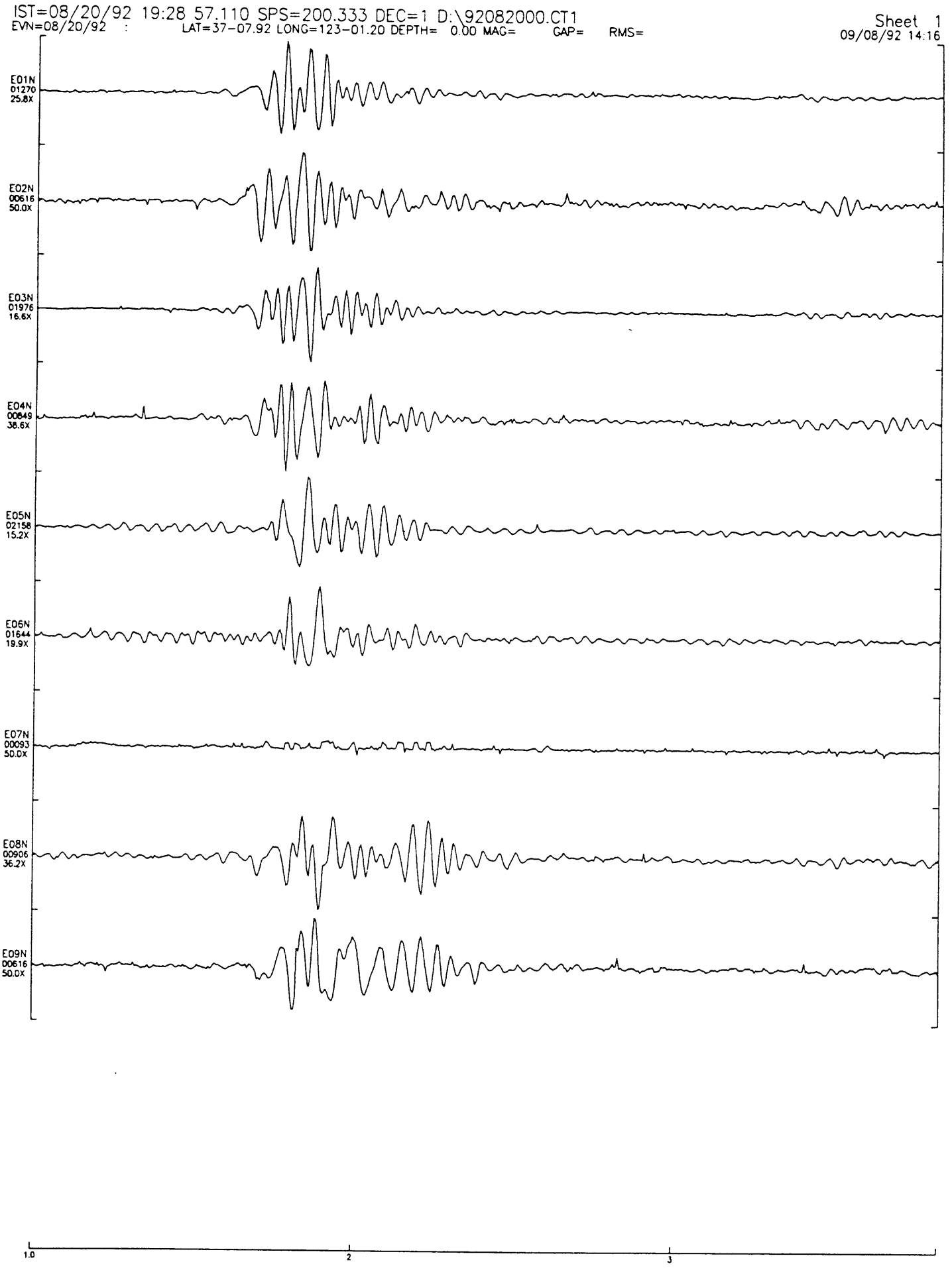
Sheet 1
09/08/92 14:15

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Sheet 1
09/08/92 14:16
E01N
01270
25.8X
E02N
00616
50.0X
E03N
01976
16.6X
E04N
00849
38.6X
E05N
02158
15.2X
E06N
01644
19.9X
E07N
00093
50.0X
E08N
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E09N
00616
50.0X
1.0
2
3

IST=08/20/92 19:28 57.110 SPS=200.333 DEC=1 D:\92082000.CT1
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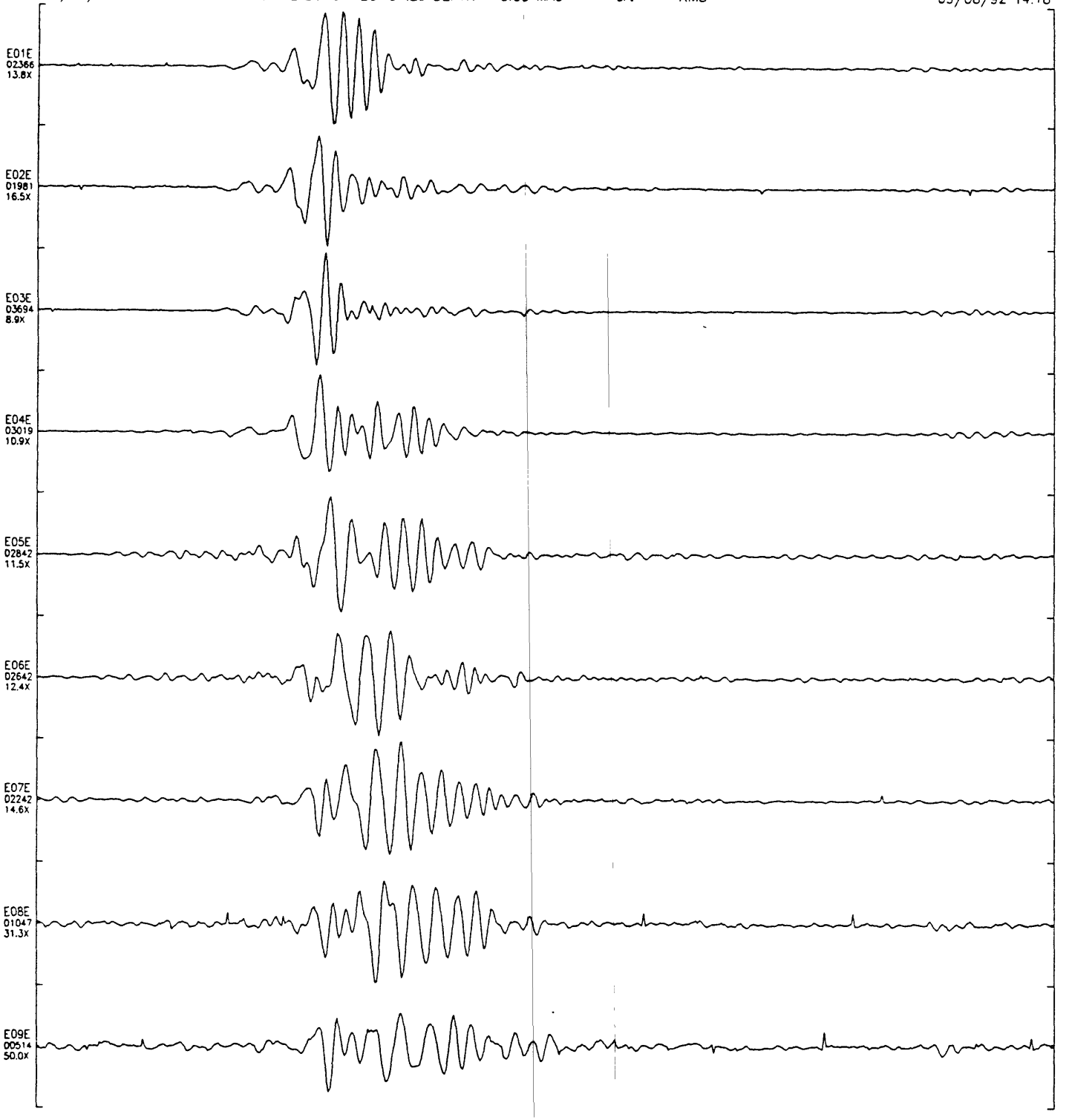
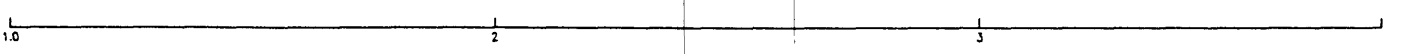
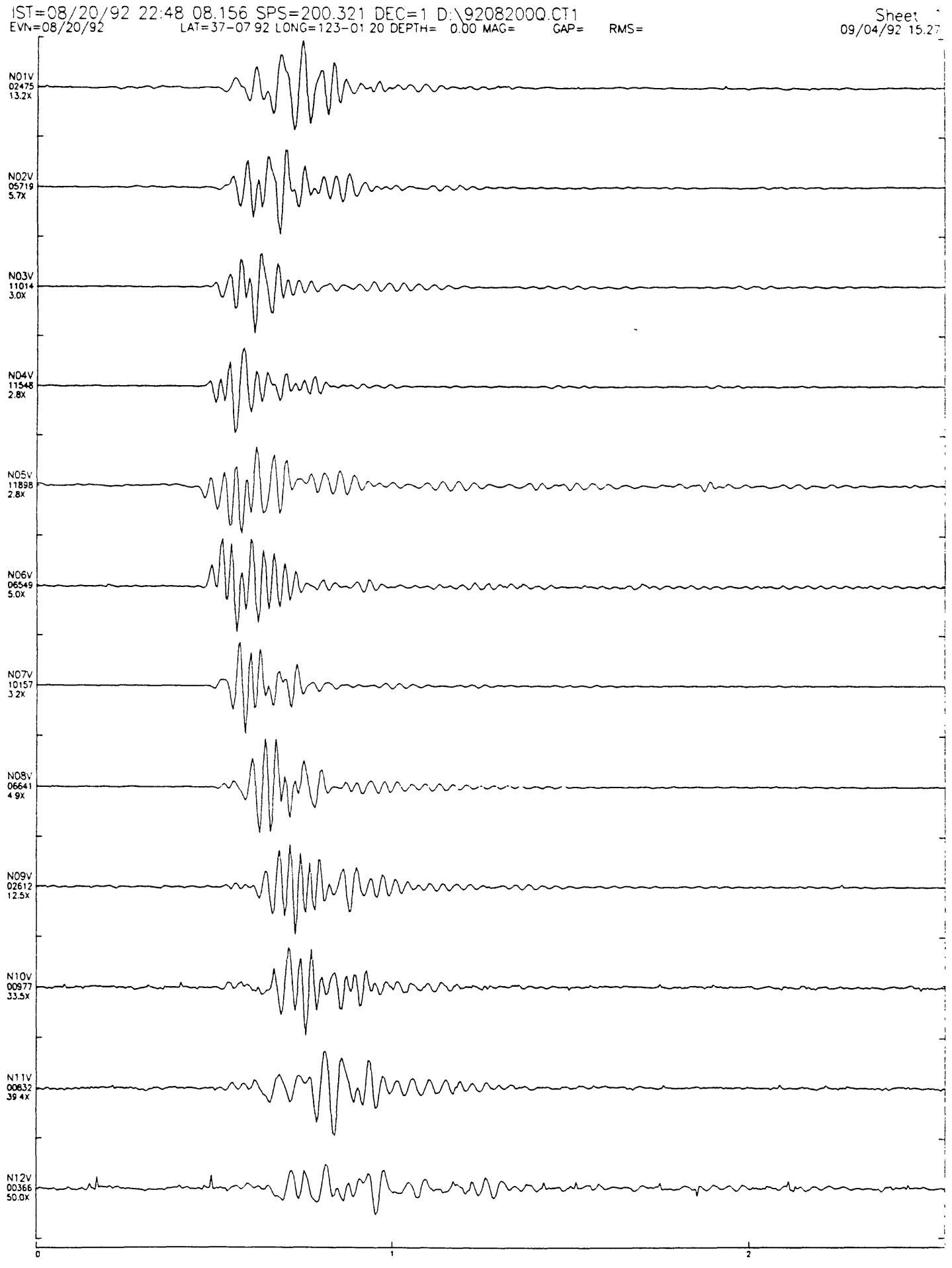
Sheet 1
09/08/92 14.18



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N04V 11548 2.8X
N05V 11898 2.8X
N06V 06549 5.0X
N07V 10157 3.2X
N08V 06641 4.9X
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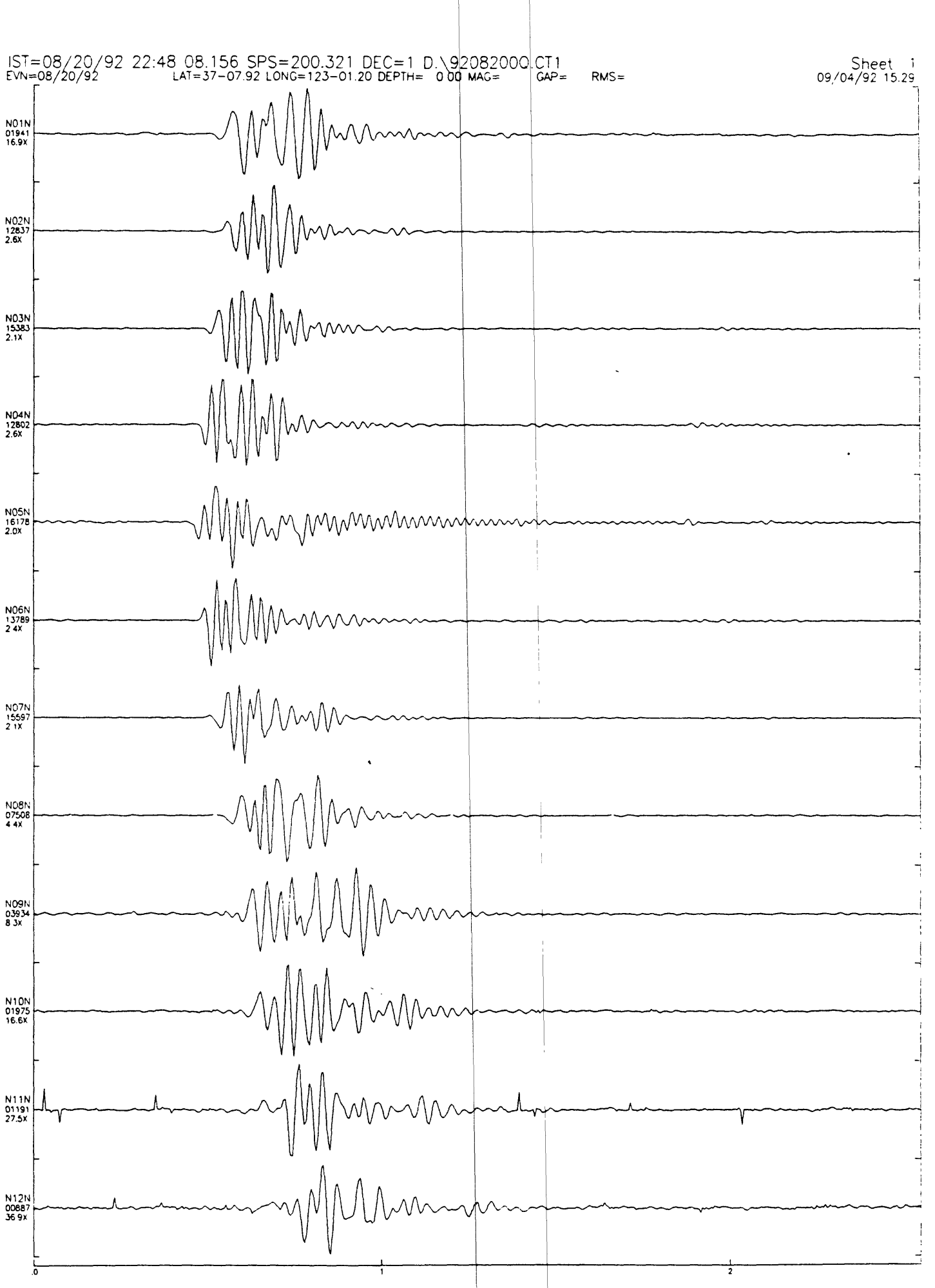
0
1
2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09/04/92 15:29
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N02N 12837 2.6X
N03N 15383 2.1X
N04N 12802 2.6X
N05N 16178 2.0X
N06N 13789 2.4X
N07N 15597 2.1X
N08N 07508 4.4X
N09N 03934 8.3X
N10N 01975 16.6X
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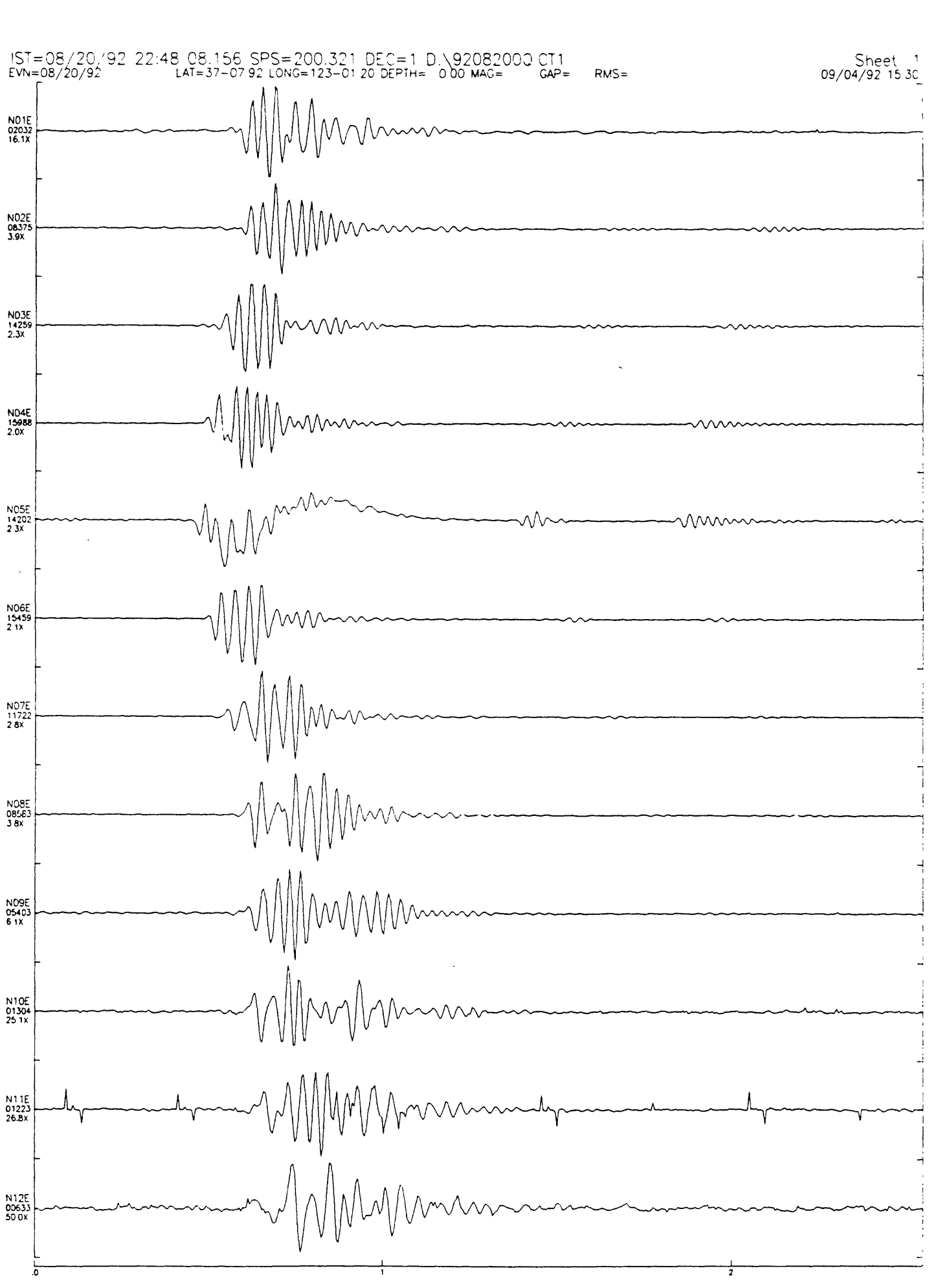
N12N 00887 36.9X
.0
1
2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Sheet 1
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09/04/92 15 30
N01E
02032
16.1X
N02E
08375
3.9X
N03E
14259
2.3X
N04E
15988
2.0X
N05E
14202
2 3X
N06E
15459
2 1X
N07E
11722
2 8X
N08E
08563
3 8X
N09E
05403
6 1X
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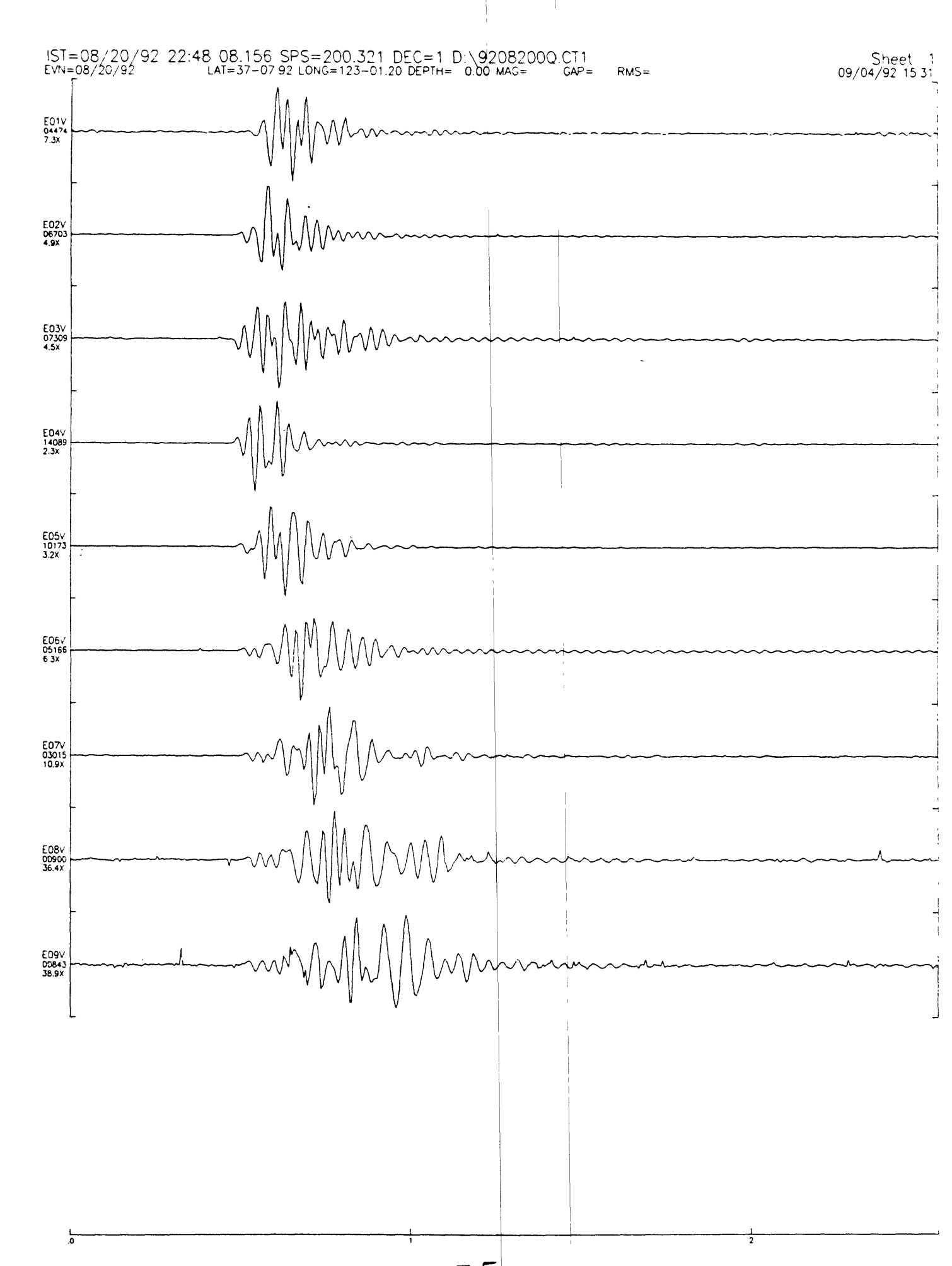
01304
25 1X
N11E
01223
26.8X
N12E
00633
50 0X
.0
1
2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EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 15 31
E01V
04474
7.3X
E02V
06703
4.9X
E03V
07309
4.5X
E04V
14089
2.3X
E05V
10173
3.2X
E06V
05165
6.3X
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38.9X
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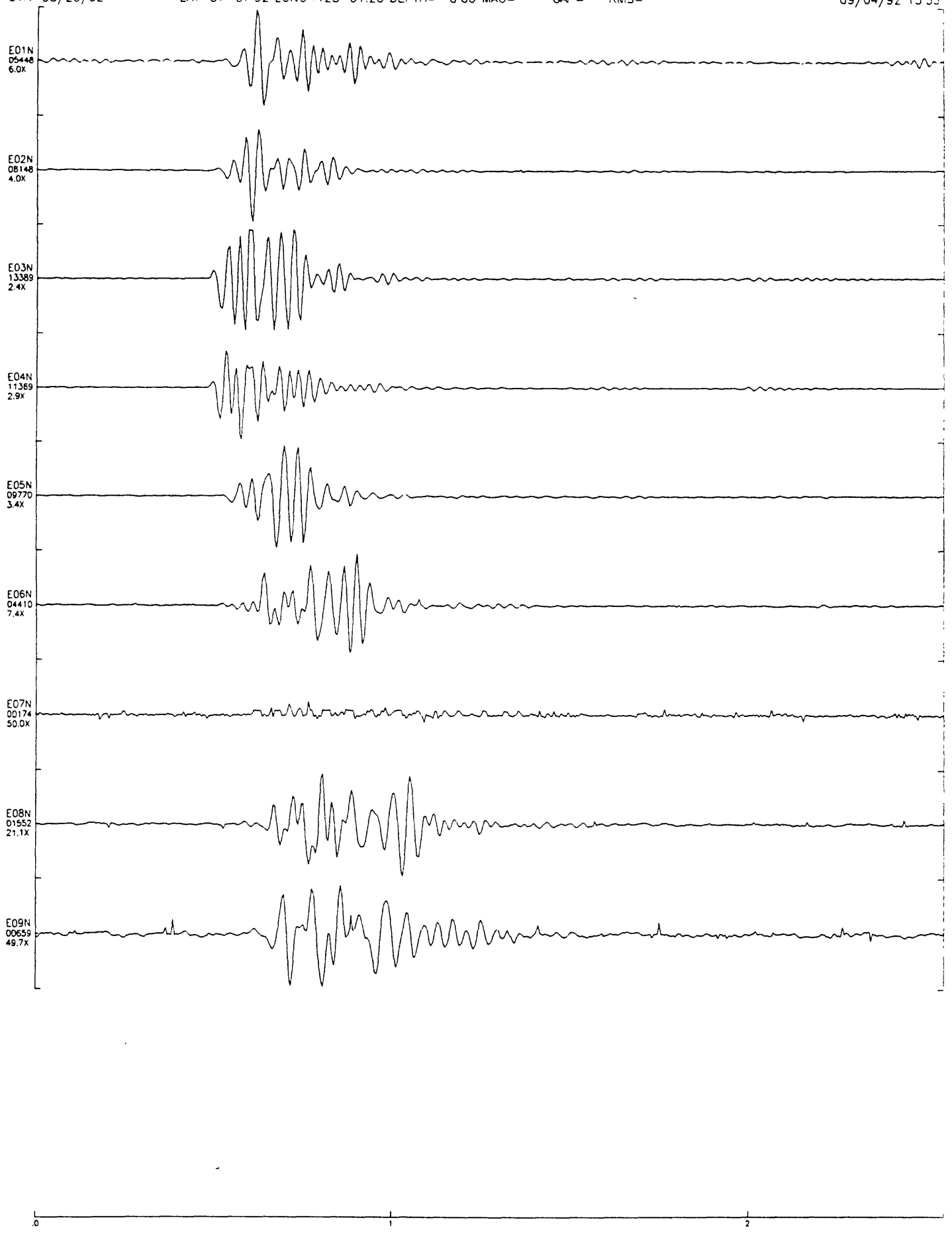
1
2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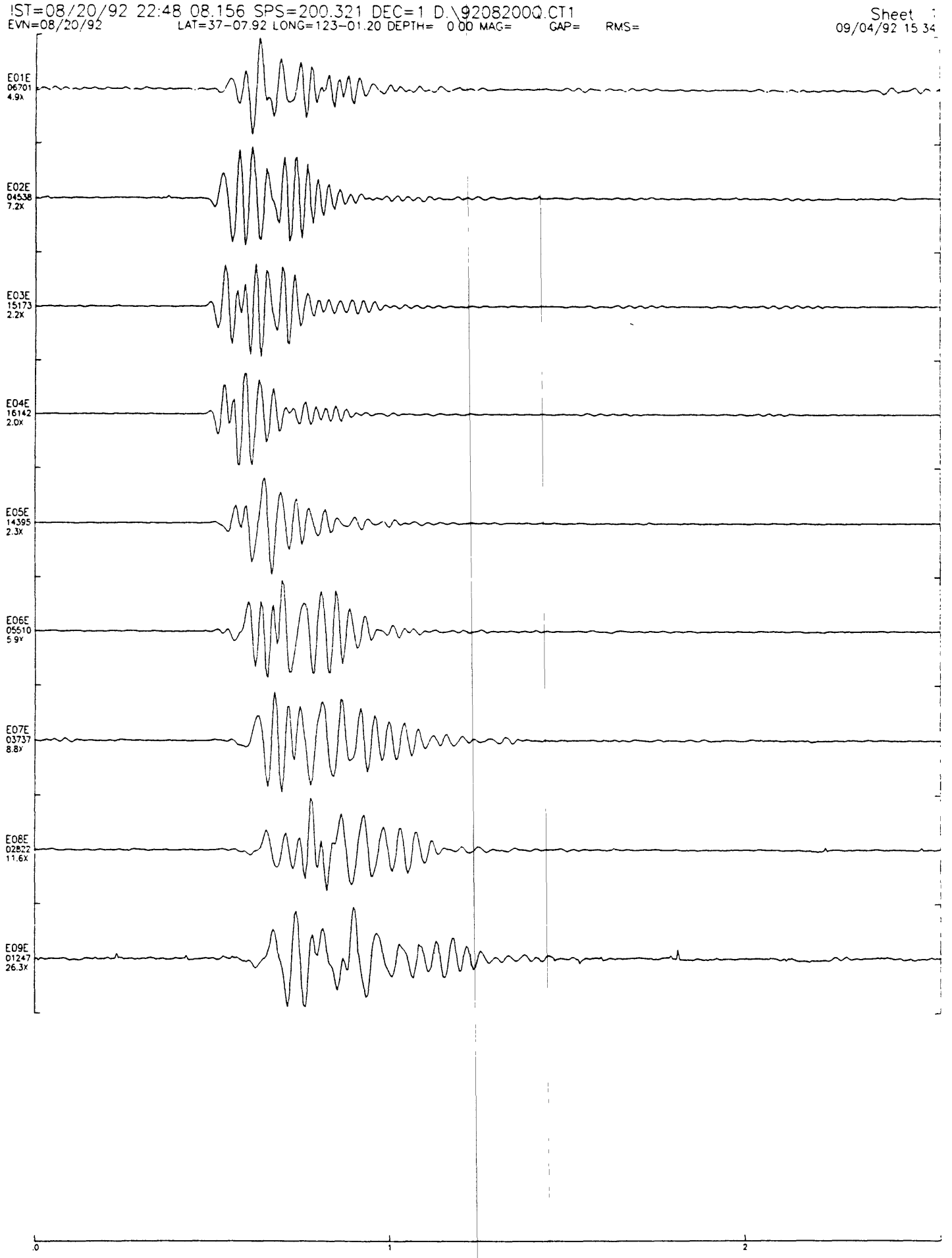
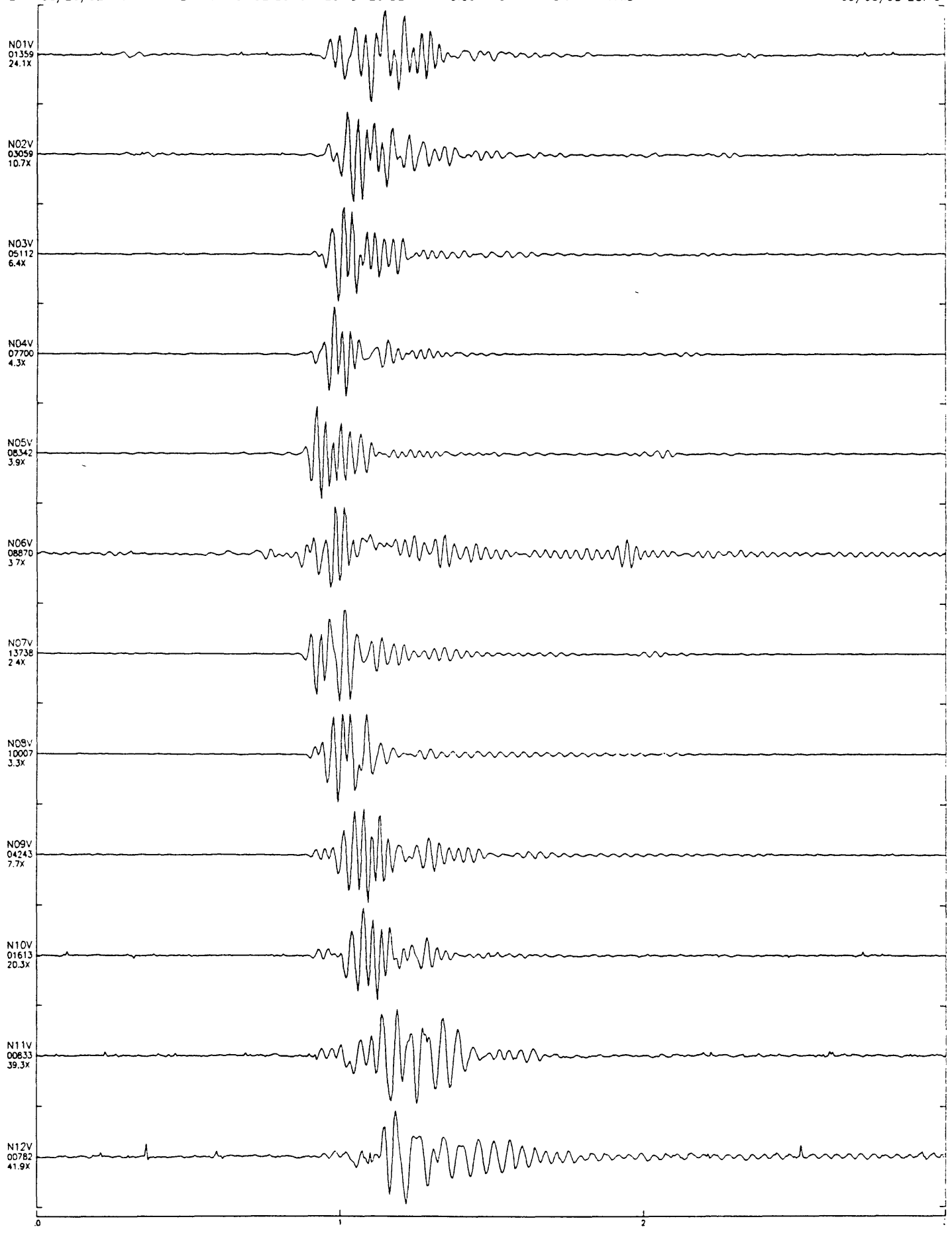
Sheet 1
09/04/92 15 33
E01N
05448
6.0X
E02N
08148
4.0X
E03N
13389
2.4X
E04N
11369
2.9X
E05N
09770
3.4X
E06N
04410
7.4X
E07N
00174
50.0X
E08N
01552
21.1X
E09N
00659
49.7X
.0
1
2


IST=08/20/92 22:48 08.156 SPS=200.321 DEC=1 D:\92082000.CT1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet
09/04/92 15:34
E01E
06701
4.9x
E02E
04538
7.2x
E03E
15173
2.2x
E04E
16142
2.0x
E05E
14395
2.3x
E06E
05510
5.9x
E07E
03737
8.8x
E08E
02822
11.6x
E09E
01247
26.3x
.0
1
2


IST=08/20/92 22:53 02.085 SPS=200.321 DEC=1 D:\9208200S.CT1
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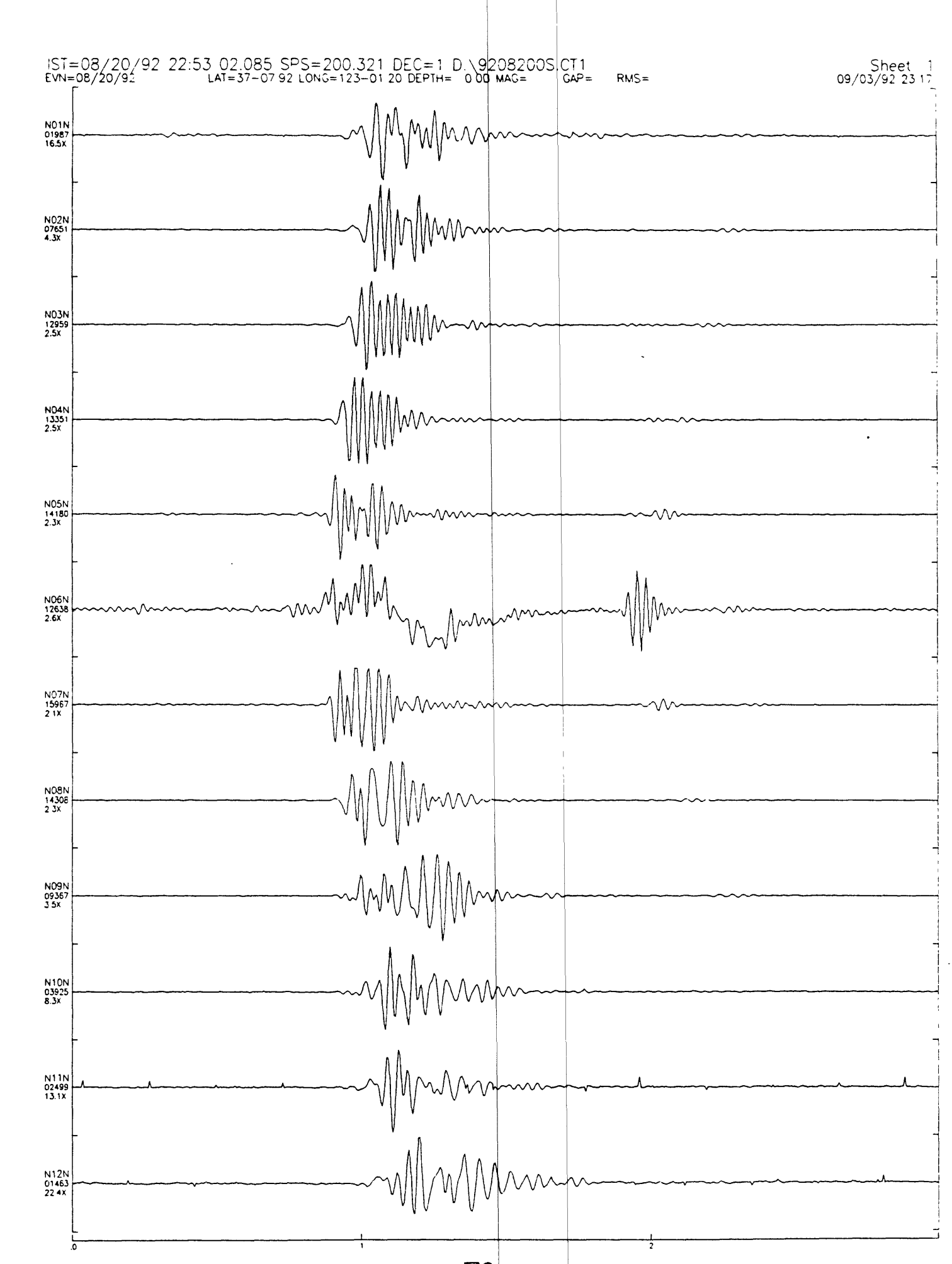
09/03/92 23.15
N01V
01359
24.1X
N02V
03059
10.7X
N03V
05112
6.4X
N04V
07700
4.3X
N05V
08342
3.9X
N06V
08870
3.7X
N07V
13738
2.4X
N08V
10007
3.3X
N09V
04243
7.7X
N10V
01613
20.3X
N11V
00833
39.3X
N12V
00782
41.9X
0
1
2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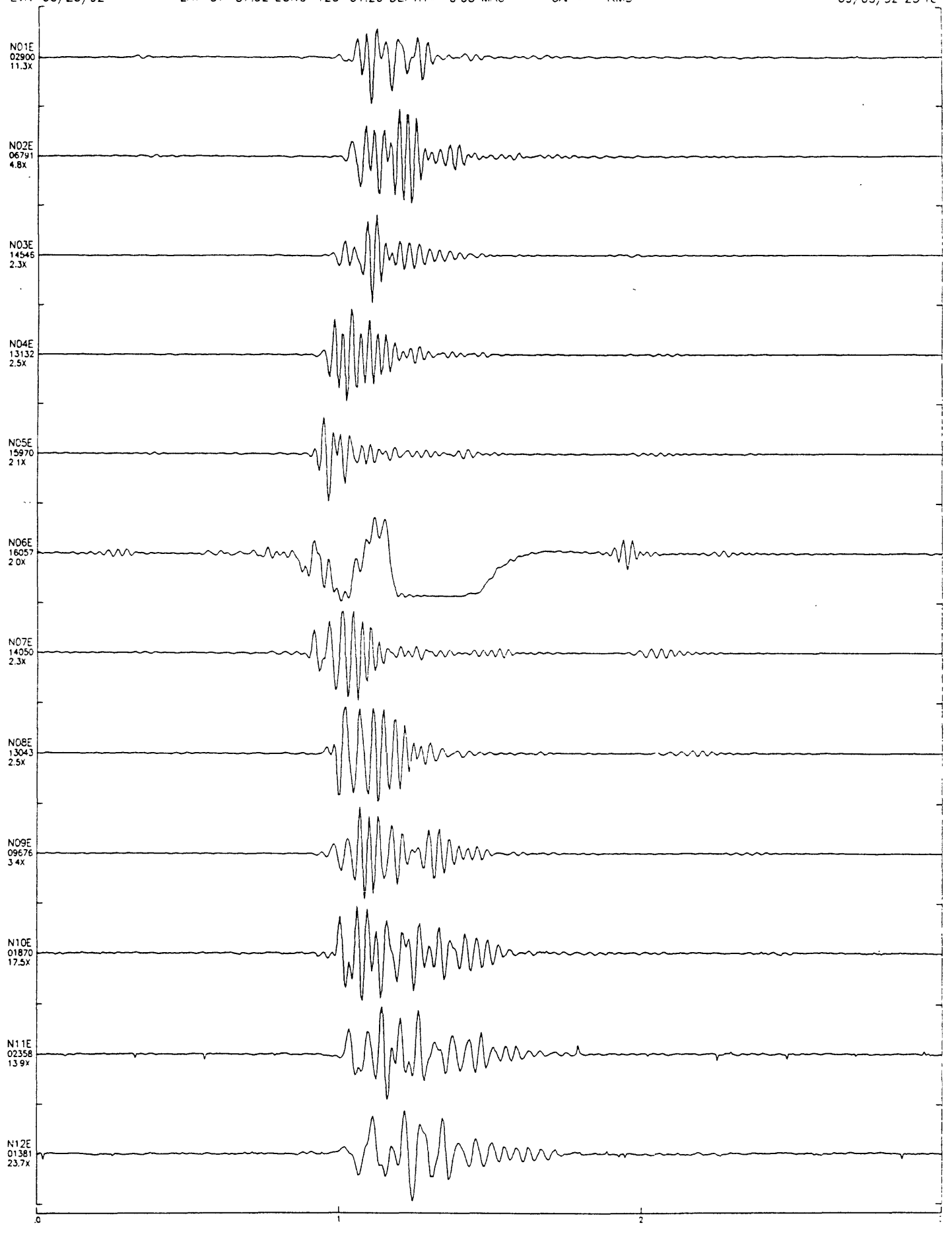
Sheet 1
EVN=08/20/92 LAT=37-07 92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
09/03/92 23 17
N01N
01987
16.5X
N02N
07651
4.3X
N03N
12959
2.5X
N04N
13351
2.5X
N05N
14180
2.3X
N06N
12638
2.6X
N07N
15967
2 1X
N08N
14308
2 3X
N09N
09367
3 5X
N10N
03925
8.3X
N11N
02499
13.1X
N12N
01463
22 4X
.0
1
2


IST=08/20/92 22:53 02.085 SPS=200.321 DEC=1 D:\9208200S.CT1
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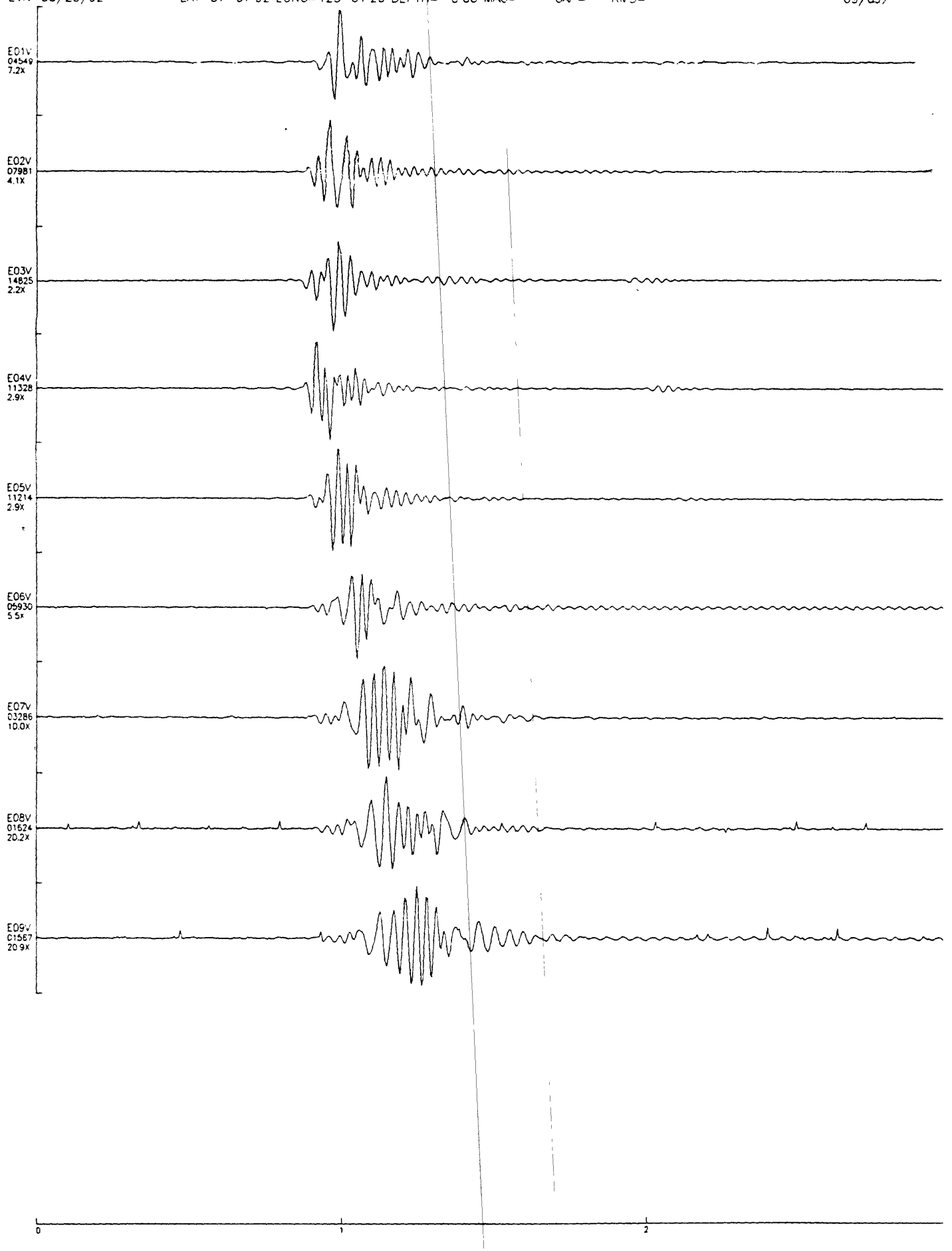
Sheet 1
09/03/92 23:18
N01E
02900
11.3X
N02E
06791
4.8X
N03E
14545
2.3X
N04E
13132
2.5X
N05E
15970
2.1X
N06E
16057
2.0X
N07E
14050
2.3X
N08E
13043
2.5X
N09E
09676
3.4X
N10E
01870
17.5X
N11E
02358
13.9X
N12E
01381
23.7X
0
1
2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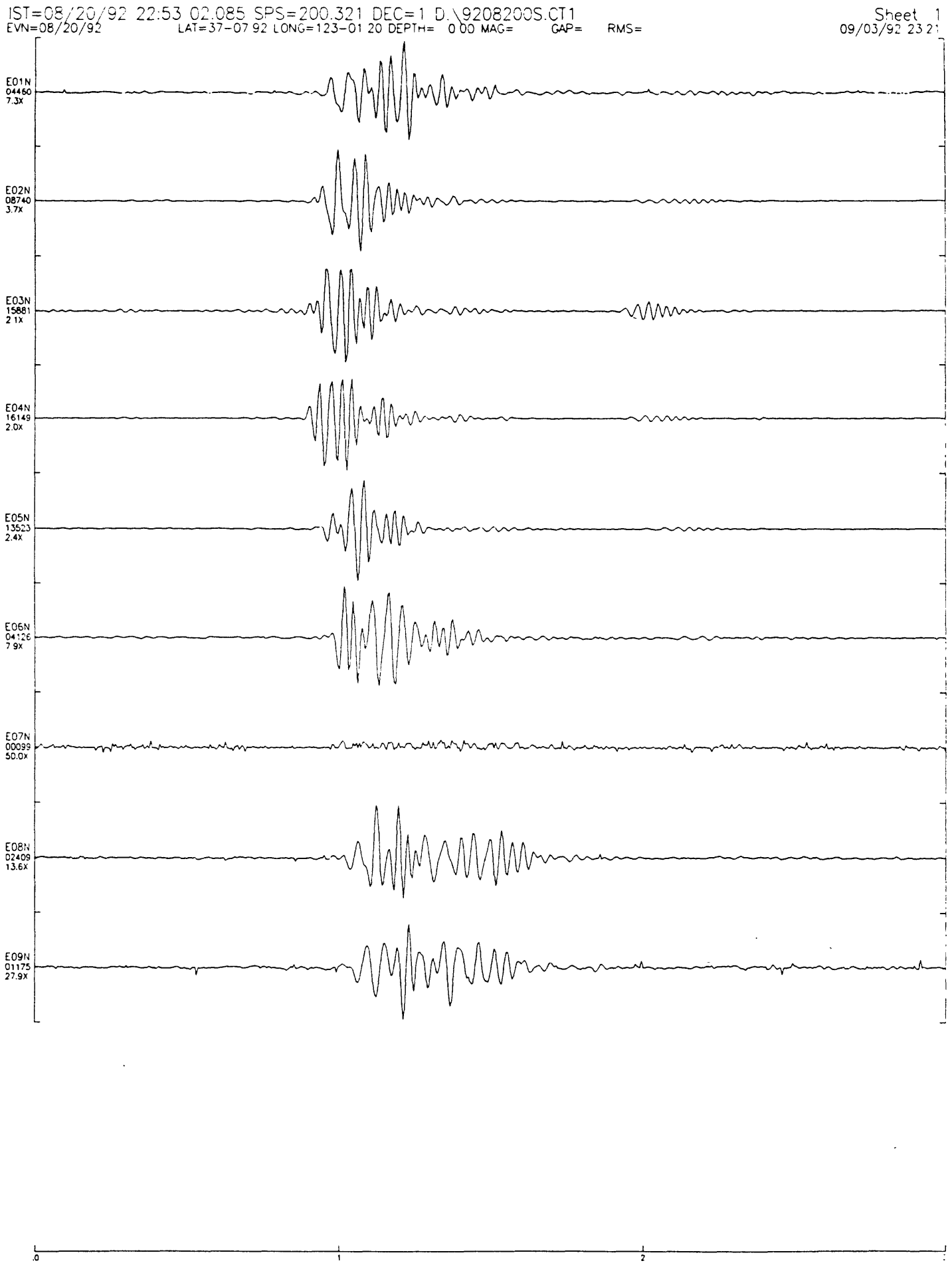
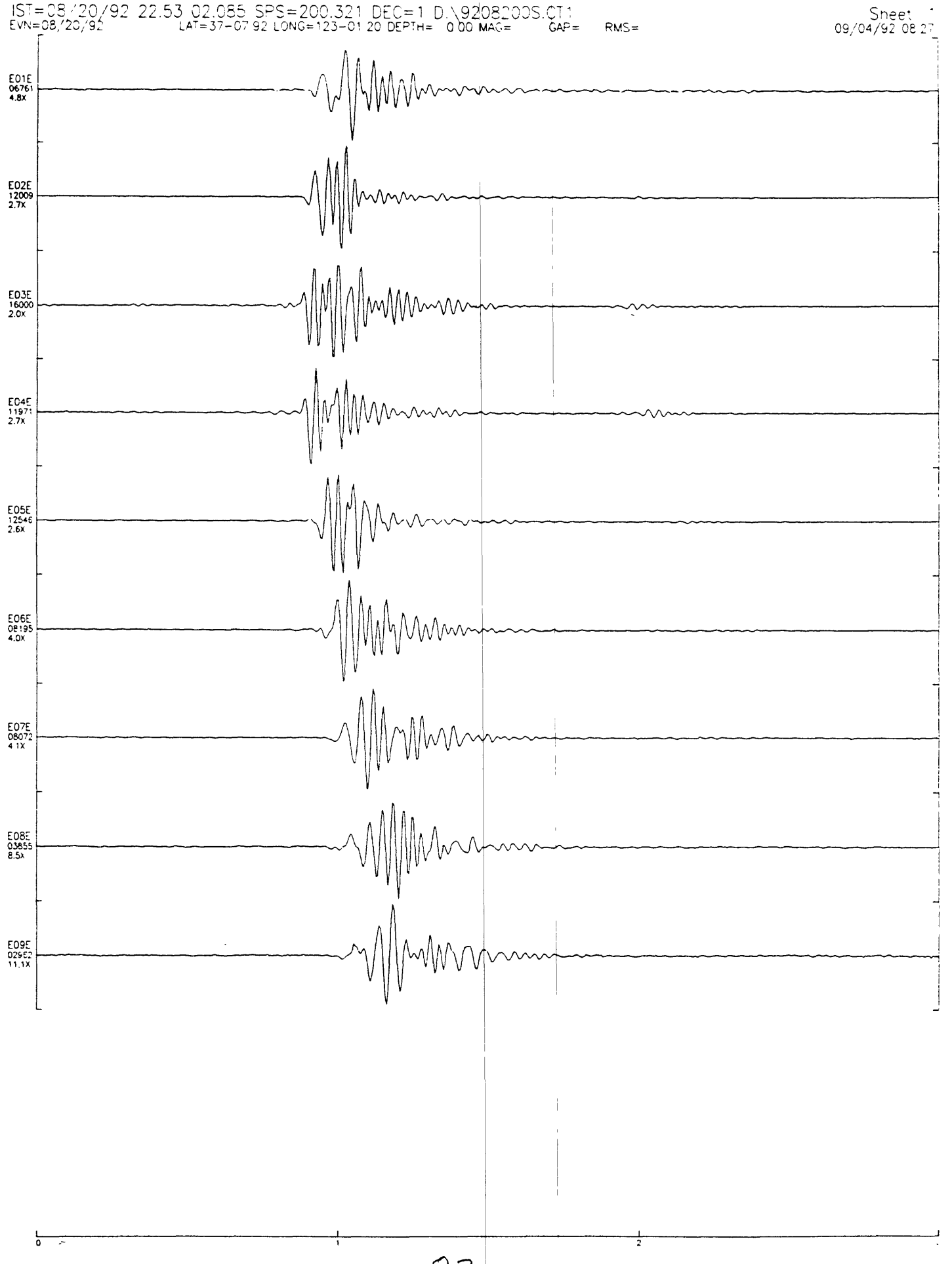
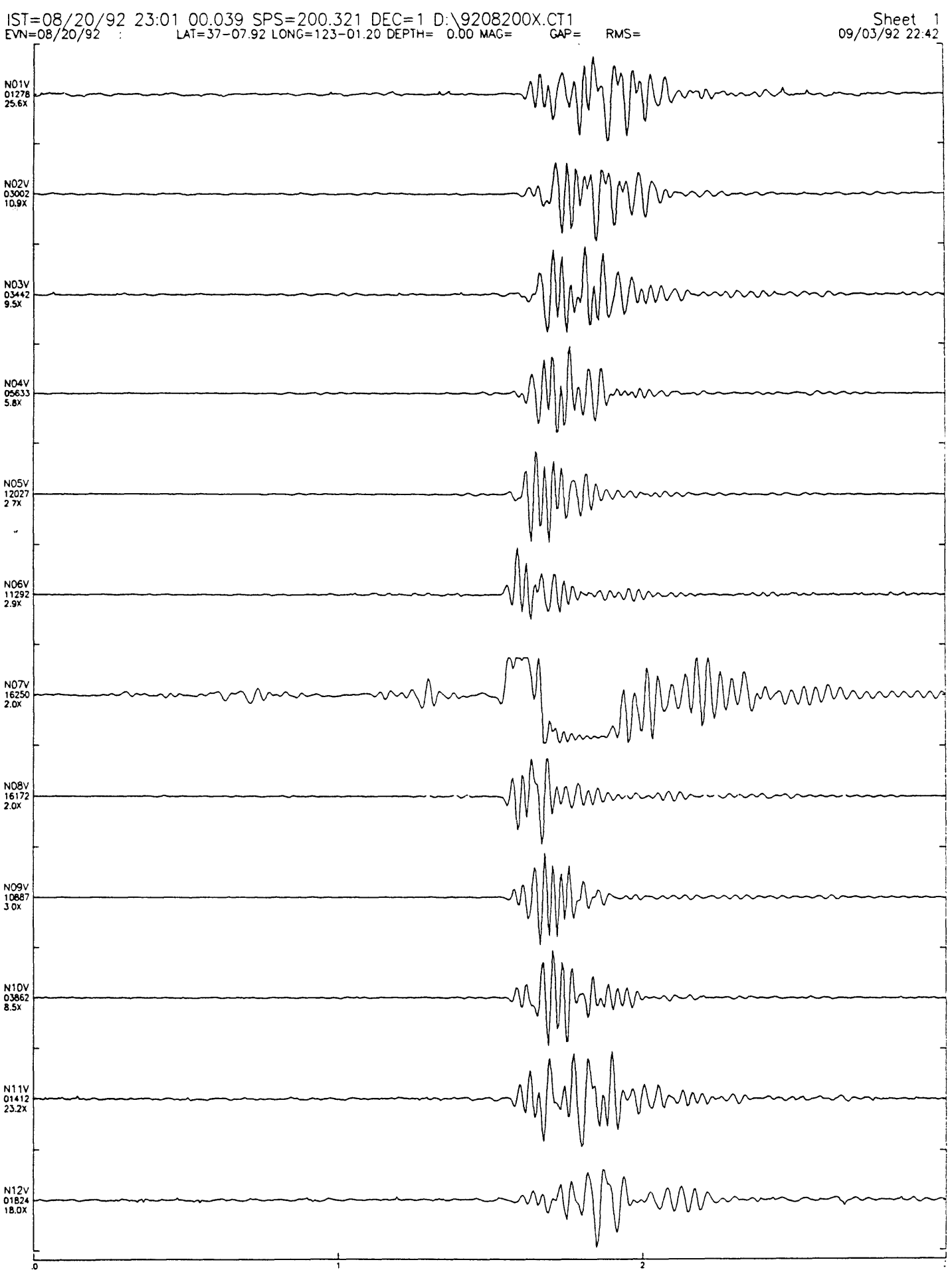
EVN=08/20/92 LAT=37-07 92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
09/03/
E01V
04549
7.2x
E02V
07981
4.1x
E03V
14825
2.2x
E04V
11328
2.9x
E05V
11214
2.9x
E06V
05930
5.5x
E07V
03286
10.0x
E08V
01624
20.2x
E09V
01567
20.9x
0
1
2


IST=08/20/92 22:53 02.085 SPS=200.321 DEC=1 D:\9208200S.CT1
Sheet 1
EVN=08/20/92 LAT=37-07 92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
09/03/92 23 21
E01N
04460
7.3X
E02N
08740
3.7X
E03N
15881
2 1X
E04N
16149
2.0X
E05N
13523
2.4X
E06N
04126
7 9X
E07N
00099
50.0X
E08N
02409
13.6X
E09N
01175
27.9X
.0
1
2


IST=08/20/92 22:53 02.085 SPS=200.321 DEC=1 D:\9208200S.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
Sheet
09/04/92 08 27
E01E
06761
4.8x
E02E
12009
2.7x
E03E
16000
2.0x
E04E
11971
2.7x
E05E
12546
2.6x
E06E
08195
4.0x
E07E
08072
4.1x
E08E
03855
8.5x
E09E
02962
11.1x
0
1
2


IST=08/20/92 23:01 00.039 SPS=200.321 DEC=1 D:\9208200X.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 22:42
N01V
01278
25.6X
N02V
03002
10.9X
N03V
03442
9.5X
N04V
05633
5.8X
N05V
12027
2.7X
N06V
11292
2.9X
N07V
16250
2.0X
N08V
16172
2.0X
N09V
10887
3.0X
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8.5X
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01412
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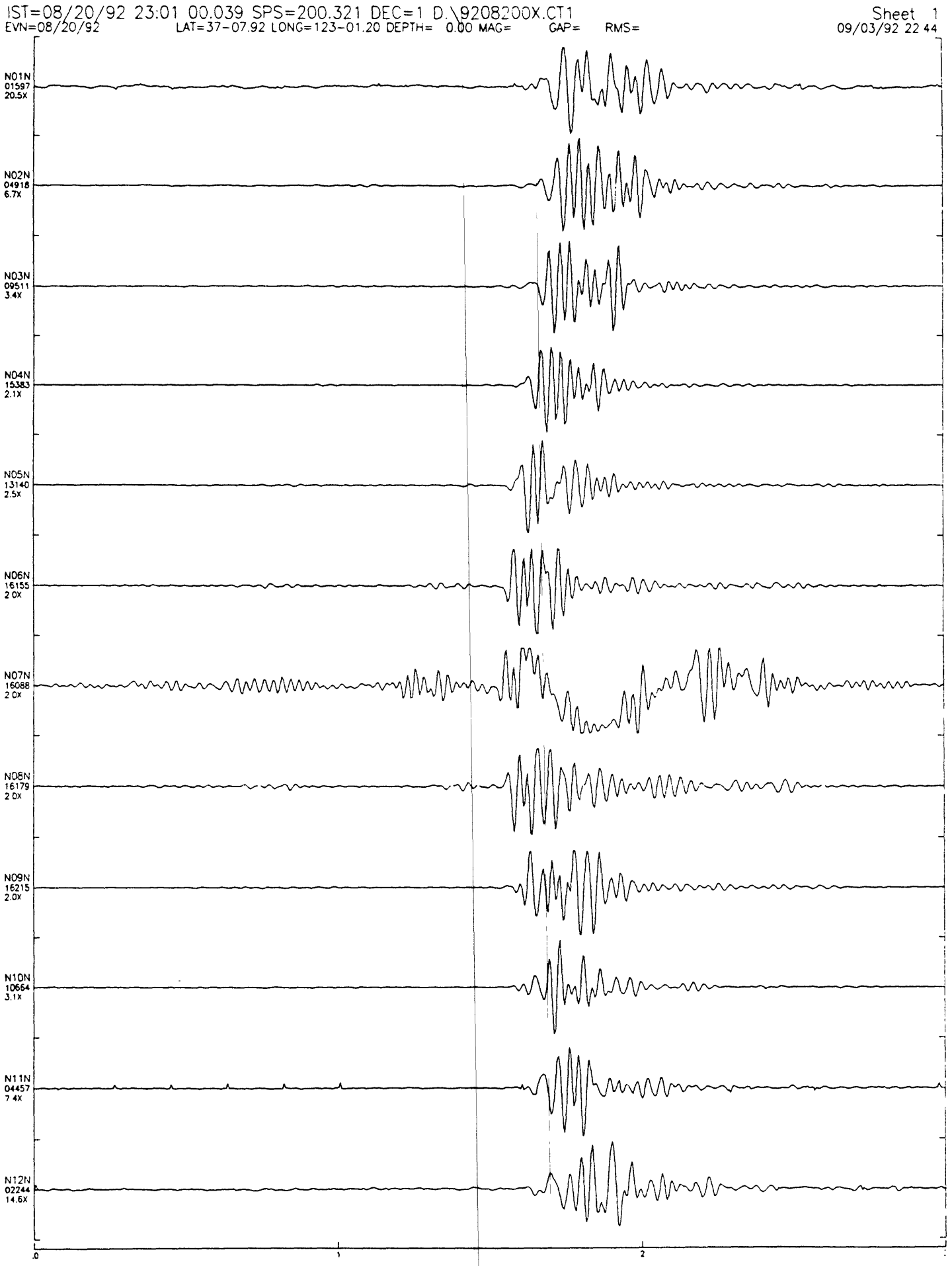
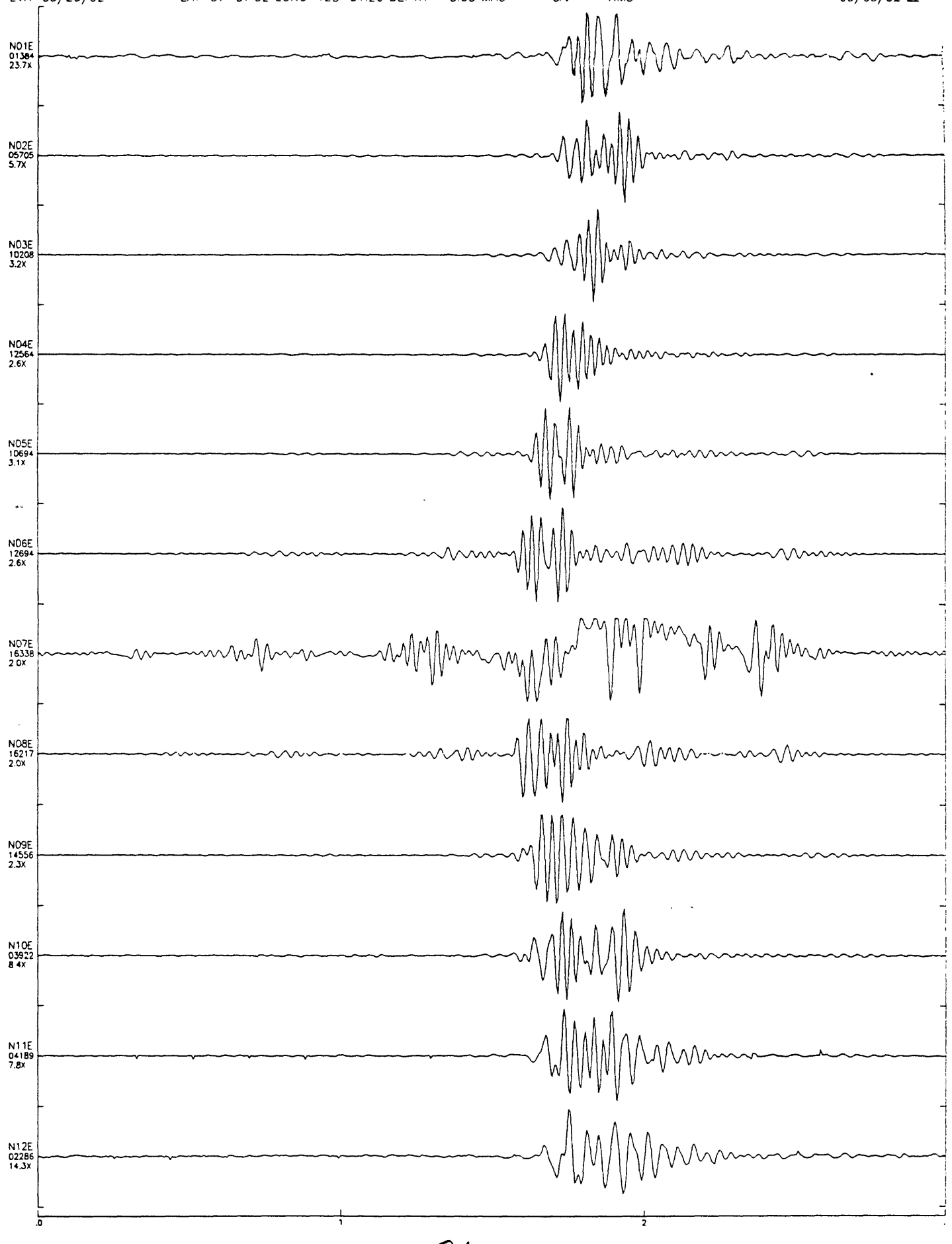
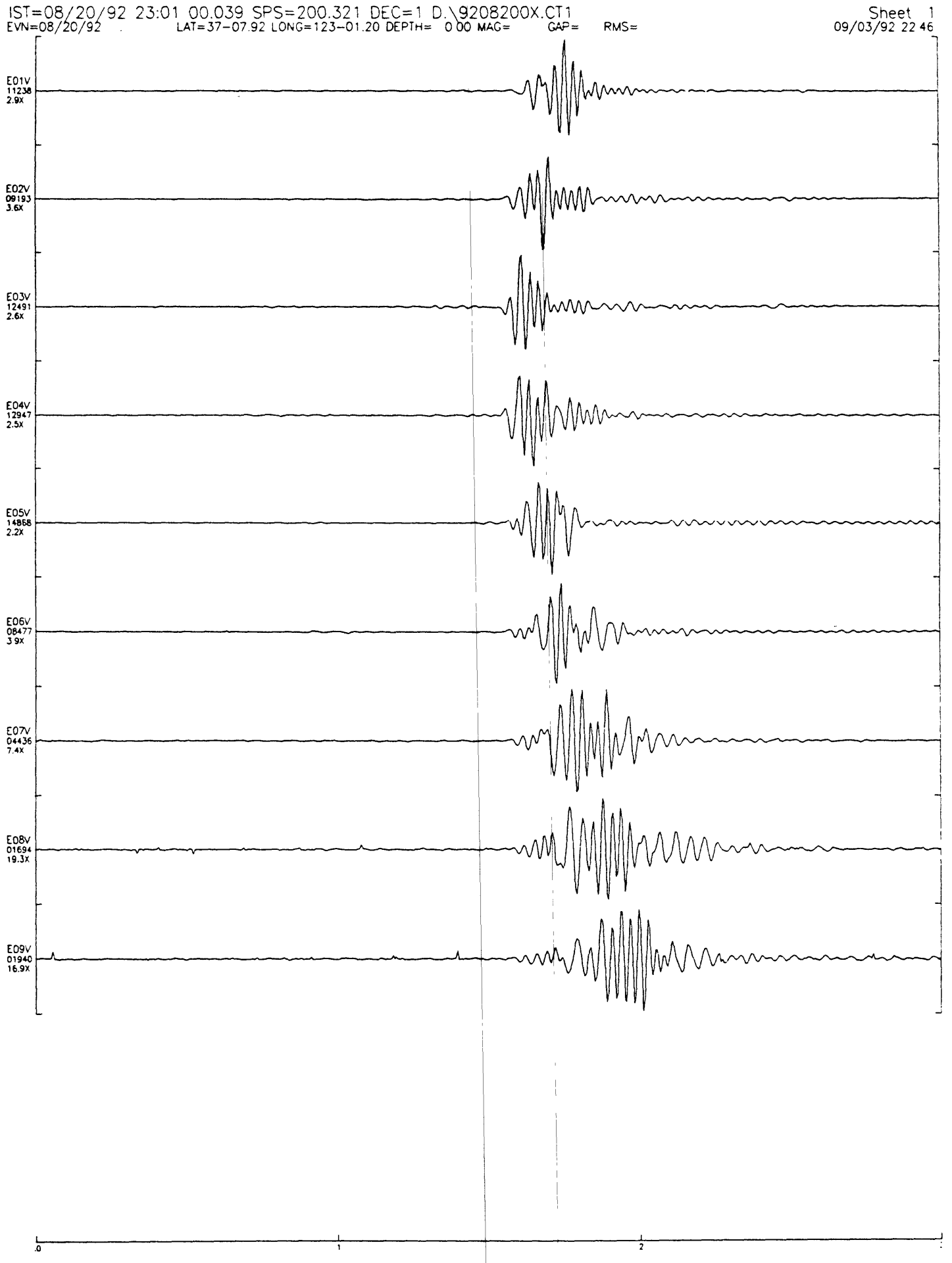
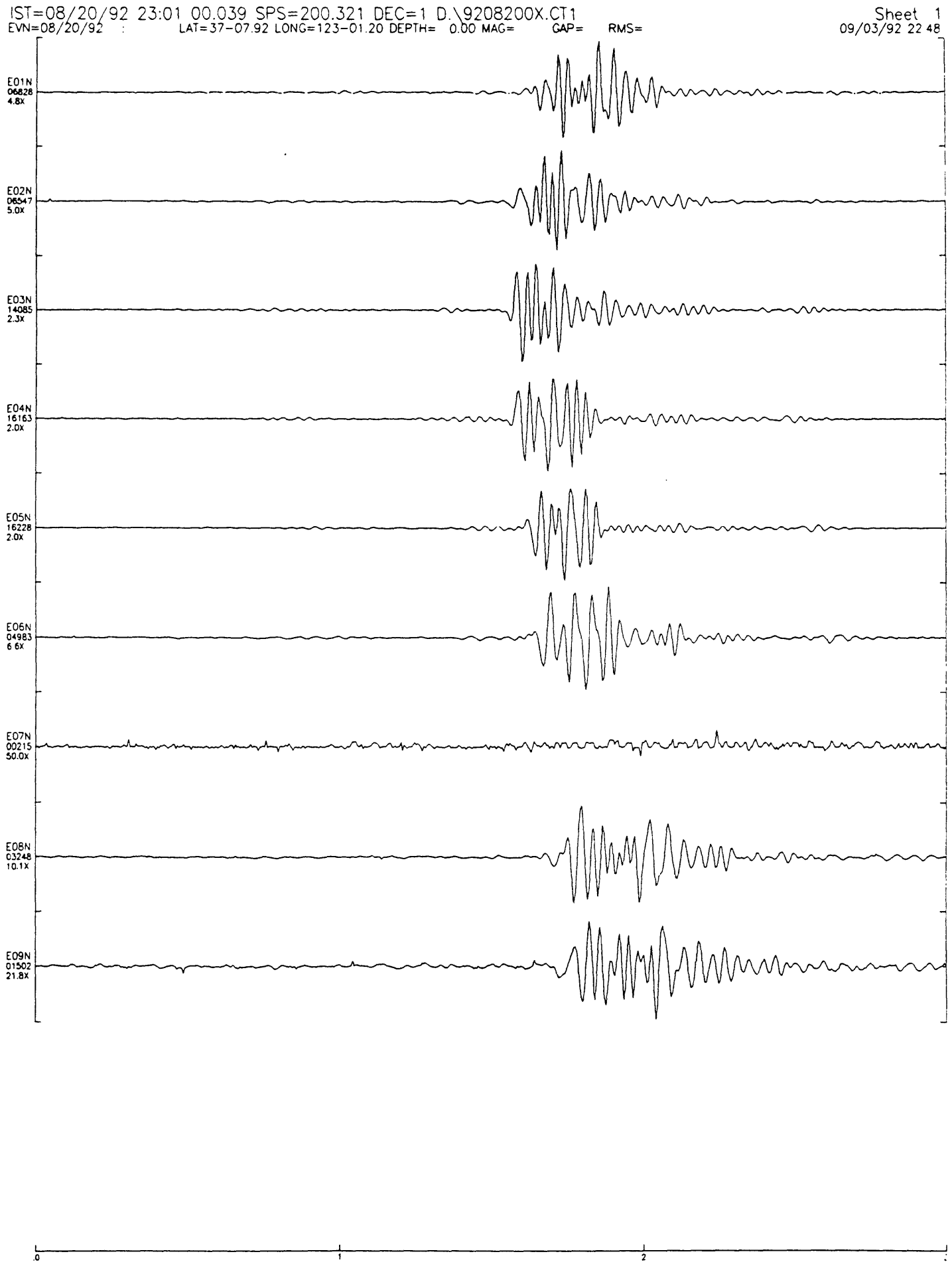
18.0X
.0
1
2


IST=08/20/92 23:01 00.039 SPS=200.321 DEC=1 D:\9208200X.CT1
Sheet 1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
09/03/92 22 44
N01N 01597 20.5X
N02N 04918 6.7X
N03N 09511 3.4X
N04N 15383 2.1X
N05N 13140 2.5X
N06N 16155 2 0X
N07N 16088 2 0X
N08N 16179 2 0X
N09N 16215 2.0X
N10N 10664 3.1X
N11N 04457 7 4X
N12N 02244 14.6X
0
1
2


IST=08/20/92 23:01 00.039 SPS=200.321 DEC=1 D:\9208200X.CT1
EVN=08/20/92
LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG=
GAP=
RMS=
Shee
09/03/92
N01E
01384
23.7X
N02E
05705
5.7X
N03E
10208
3.2X
N04E
12564
2.6X
N05E
10694
3.1X
N06E
12694
2.6X
N07E
16338
2.0X
N08E
16217
2.0X
N09E
14556
2.3X
N10E
03922
8.4X
N11E
04189
7.8X
N12E
02286
14.3X
.0
1
2


IST=08/20/92 23:01 00.039 SPS=200.321 DEC=1 D.\9208200X.CT1
Sheet 1
EVN=08/20/92
LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
09/03/92 22 46
E01V
11238
2.9X
E02V
09193
3.6X
E03V
12491
2.6X
E04V
12947
2.5X
E05V
14868
2.2X
E06V
08477
3.9X
E07V
04436
7.4X
E08V
01694
19.3X
E09V
01940
16.9X
.0
1
2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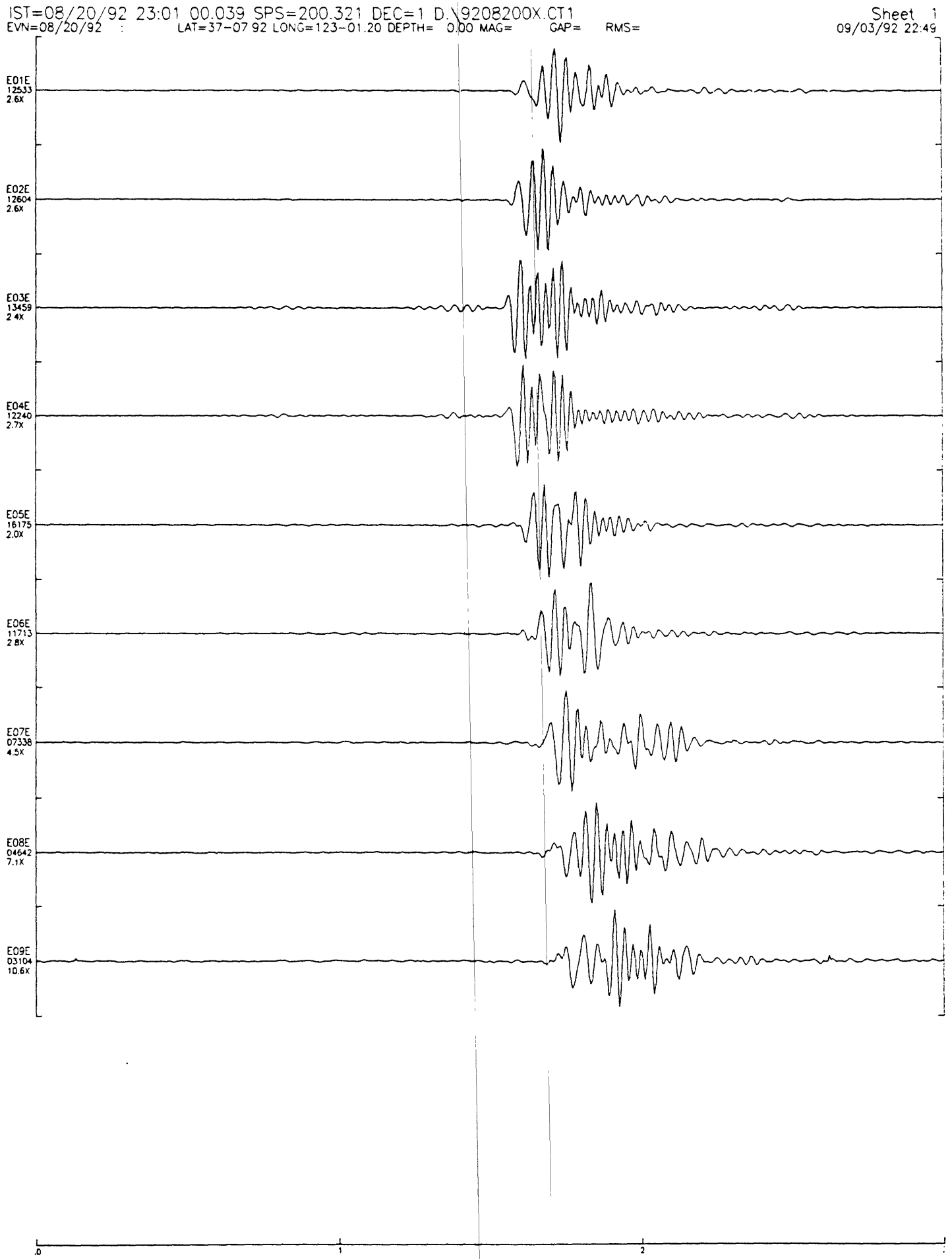
Sheet 1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
09/03/92 22 48
E01N
06828
4.8X
E02N
06547
5.0X
E03N
14085
2.3X
E04N
16163
2.0X
E05N
16228
2.0X
E06N
04983
6 6X
E07N
00215
50.0X
E08N
03248
10.1X
E09N
01502
21.8X
0
1
2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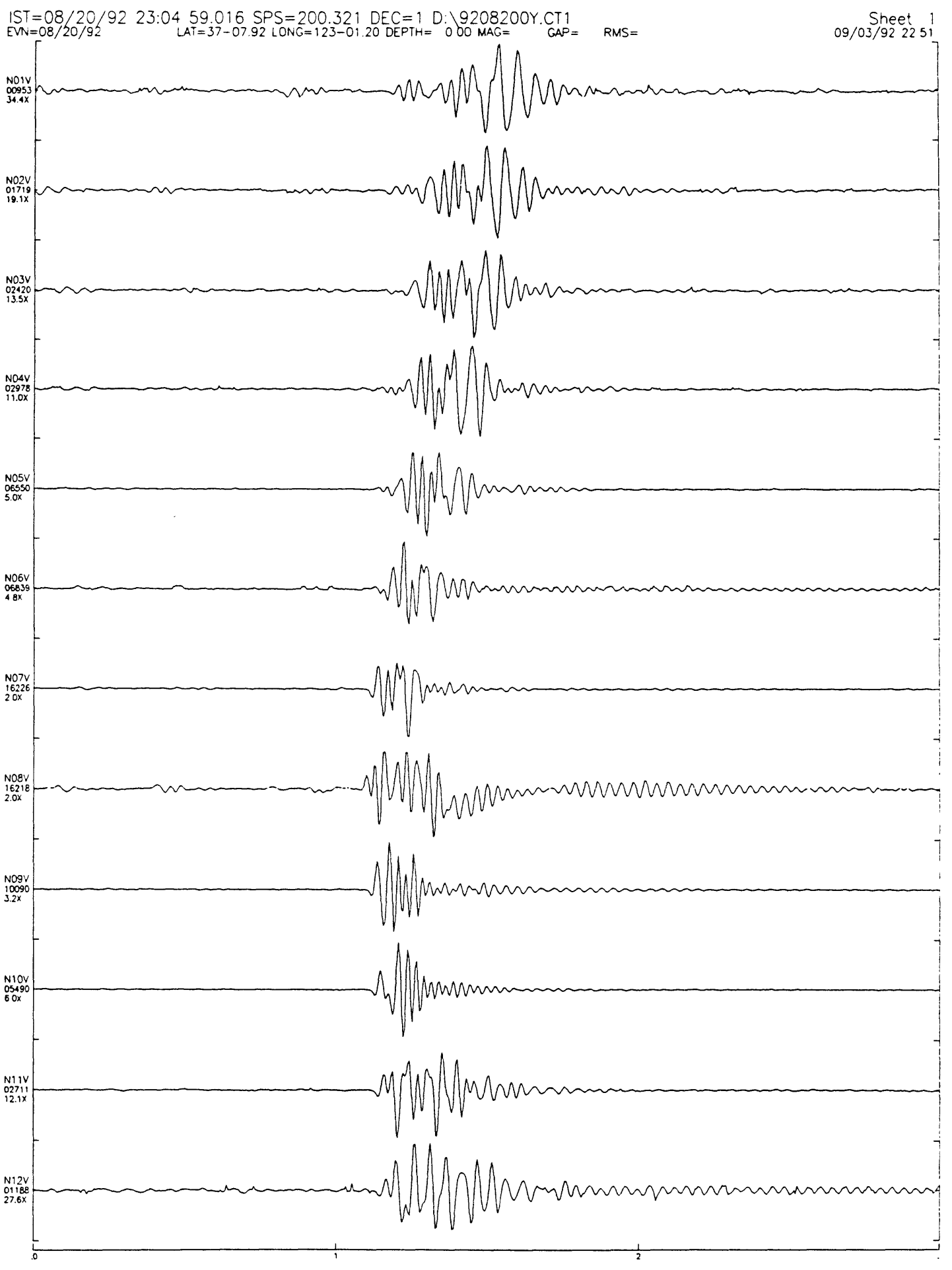
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 22:49
E01E
12533
2.6X
E02E
12604
2.6X
E03E
13459
2.4X
E04E
12240
2.7X
E05E
16175
2.0X
E06E
11713
2.8X
E07E
07338
4.5X
E08E
04642
7.1X
E09E
03104
10.6X
.0
1
2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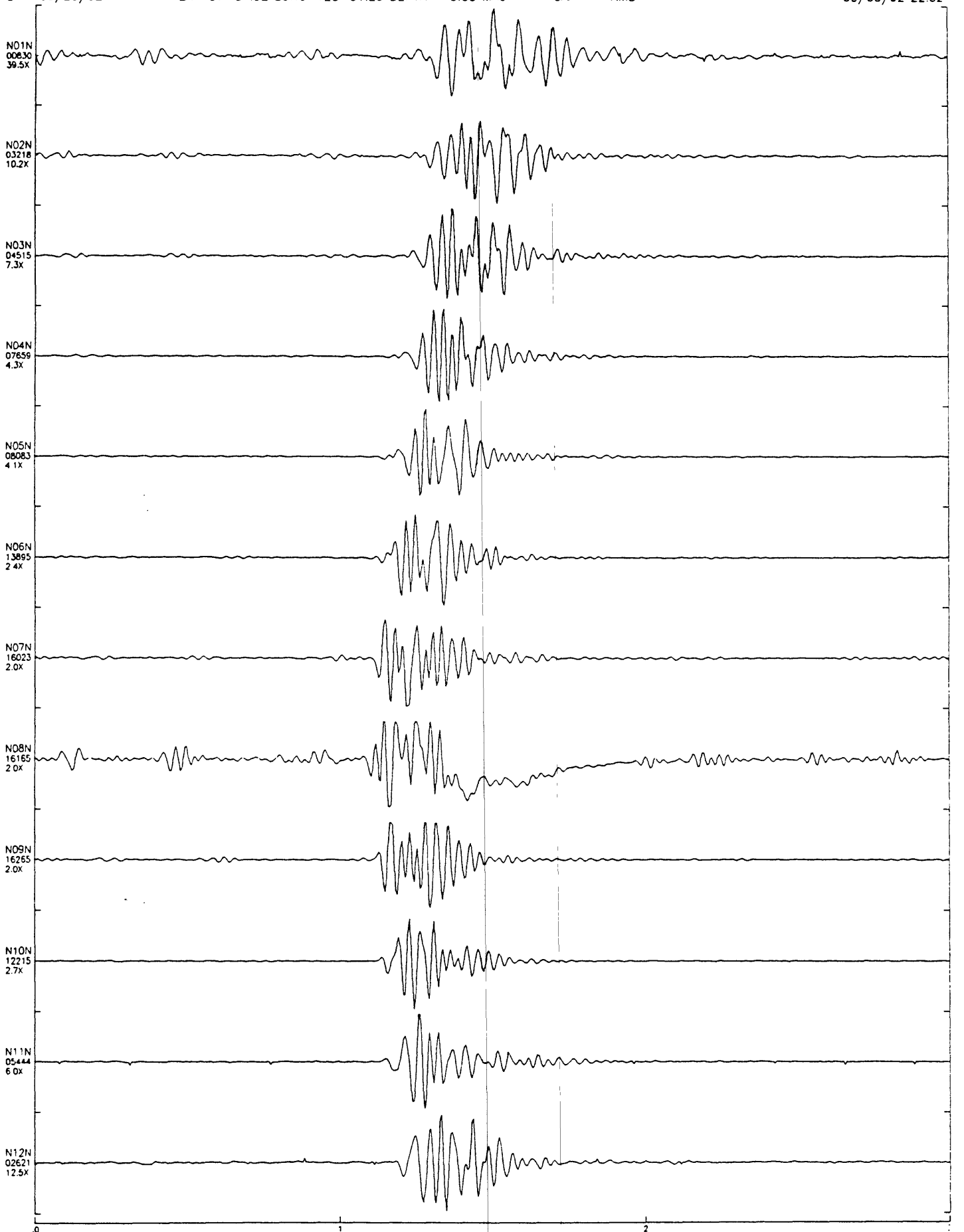
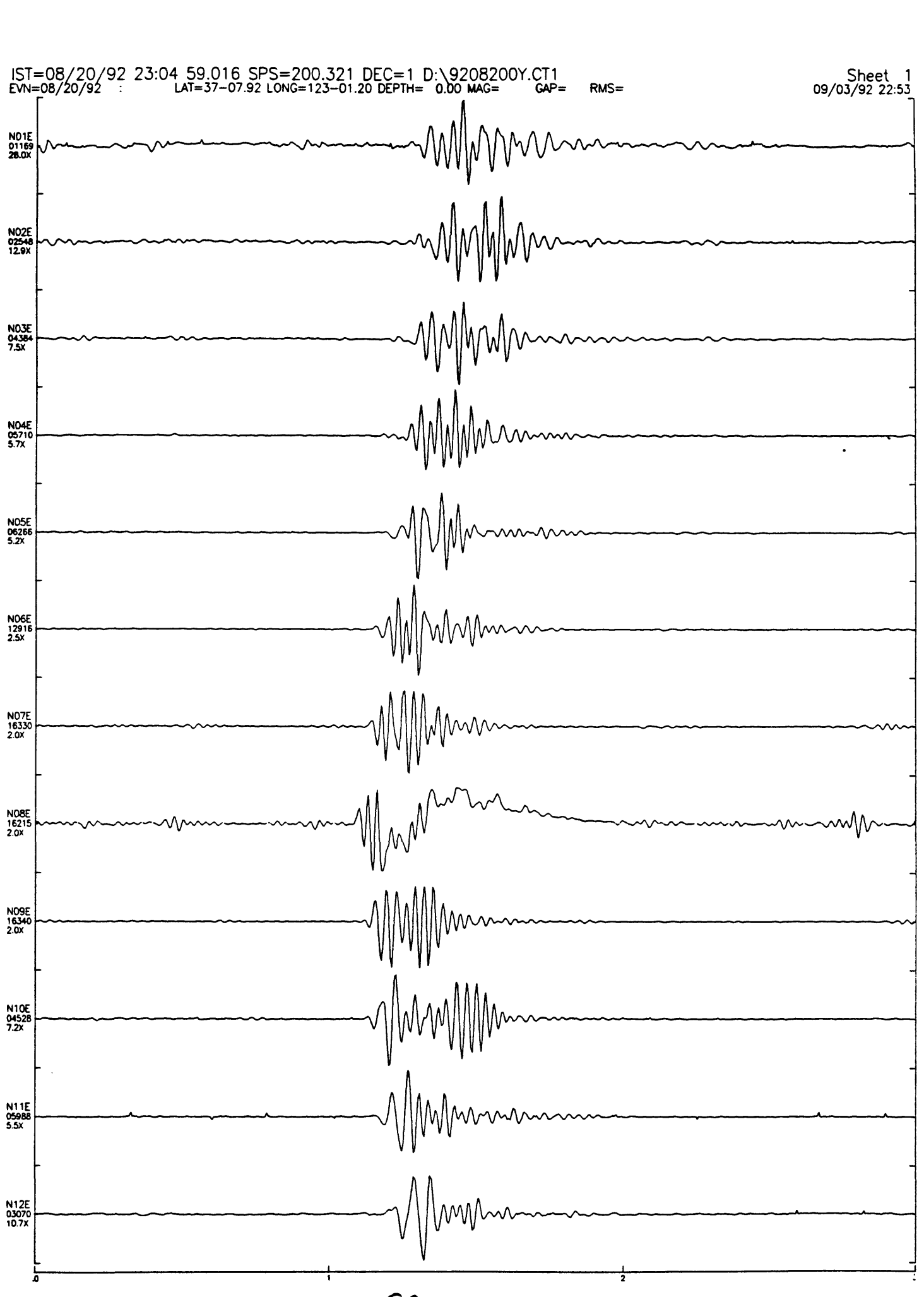
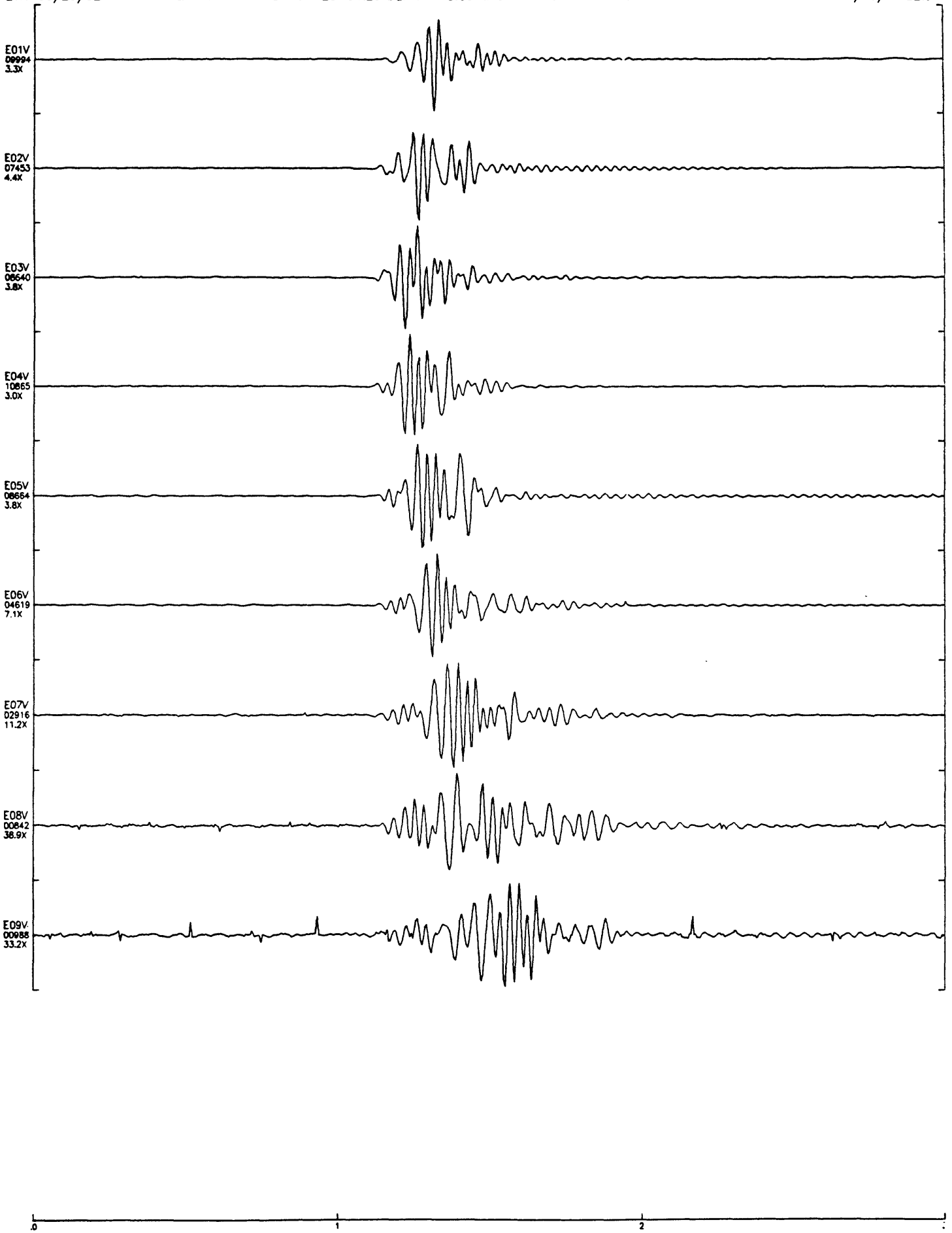
Sheet 1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
09/03/92 22 51
N01V
00953
34.4X
N02V
01719
19.1X
N03V
02420
13.5X
N04V
02978
11.0X
N05V
06550
5.0X
N06V
06839
4.8X
N07V
16226
2.0X
N08V
16218
2.0X
N09V
10090
3.2X
N10V
05490
6.0X
N11V
02711
12.1X
N12V
01188
27.6X
.0
1
2

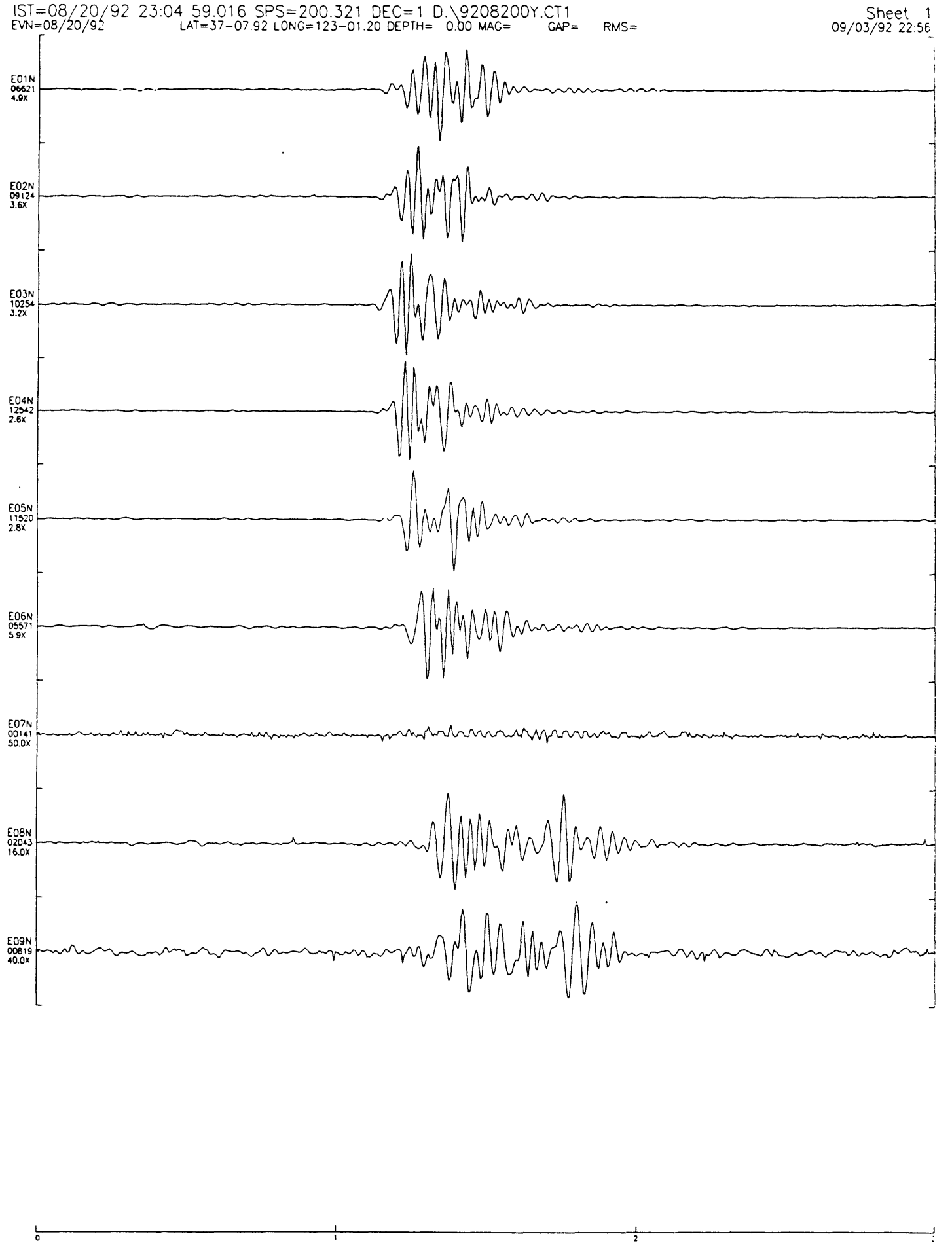
IST=08/20/92 23:04 59.016 SPS=200.321 DEC=1 D:\9208200Y.CT1 Sheet 1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS= 09/03/92 22:52

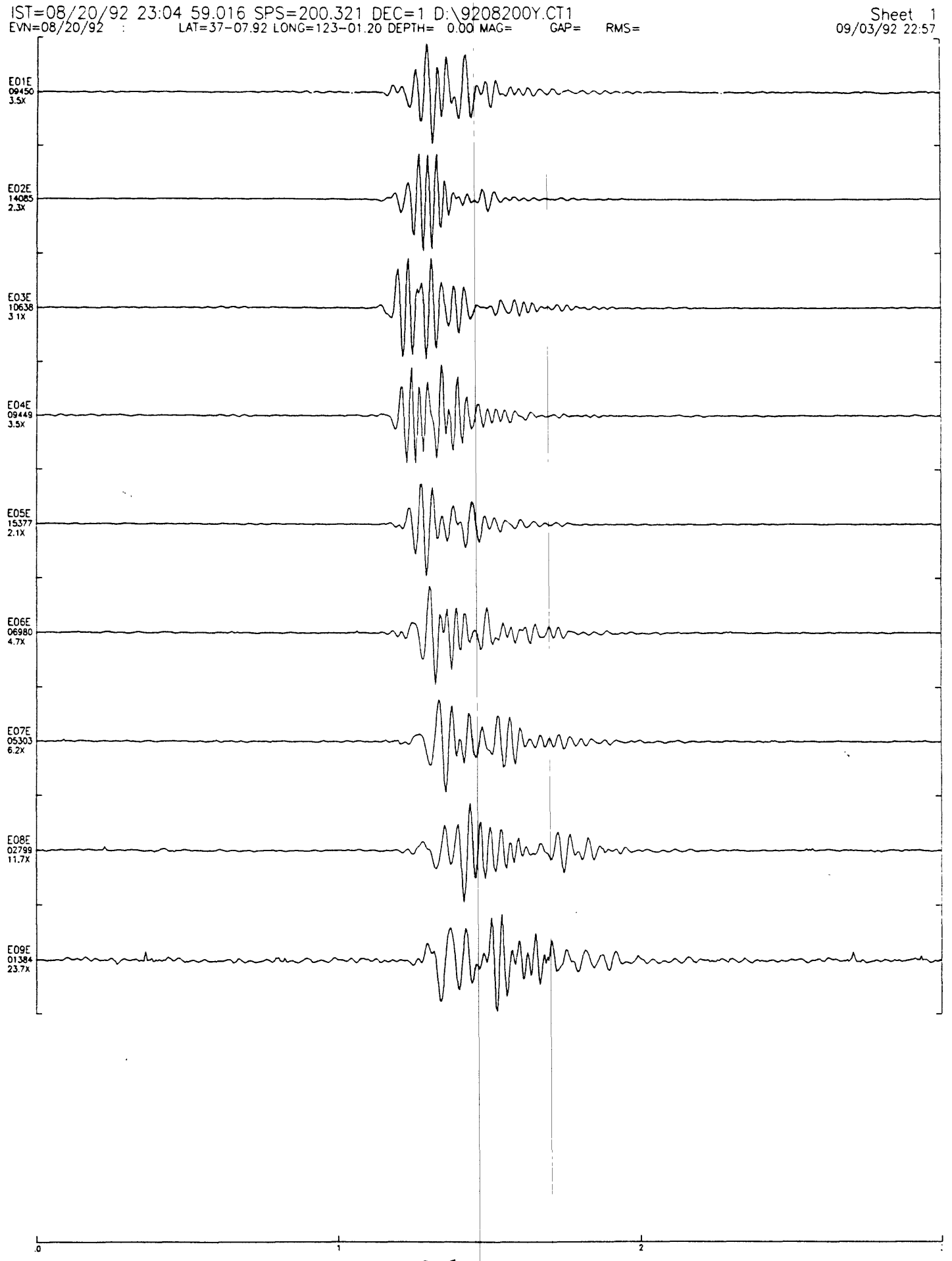


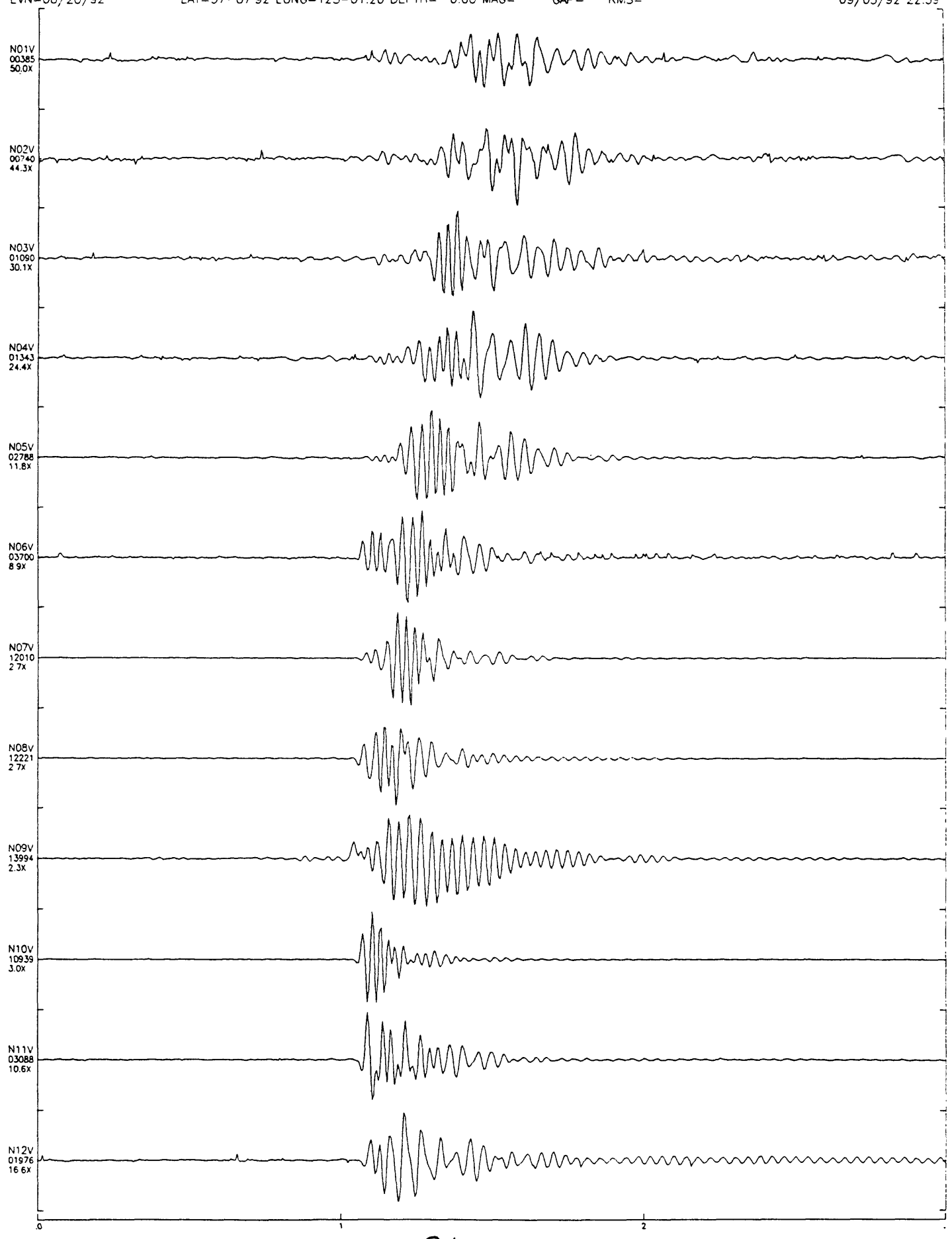

IST=08/20/92 23:04 59.016 SPS=200.321 DEC=1 D:\9208200Y.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 22:53
N01E
01169
28.0X
N02E
02548
12.9X
N03E
04384
7.5X
N04E
05710
5.7X
N05E
06266
5.2X
N06E
12916
2.5X
N07E
16330
2.0X
N08E
16215
2.0X
N09E
16340
2.0X
N10E
04528
7.2X
N11E
05988
5.5X
N12E
03070
10.7X
0
1
2

IST=08/20/92 23:04 59.016 SPS=200.321 DEC=1 D:\9208200Y.CT1 Sheet 1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS= 09/03/92 22:54



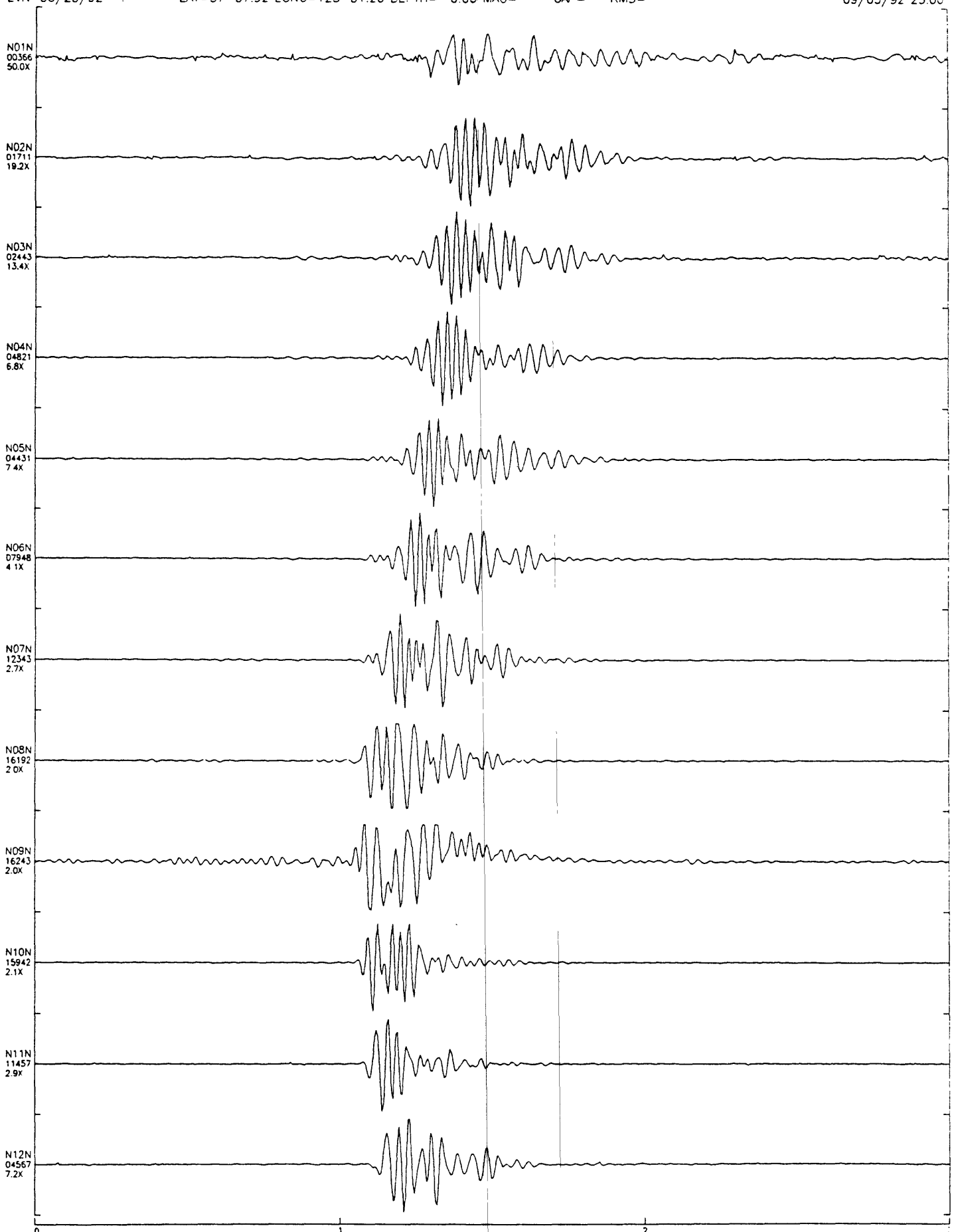

IST=08/20/92 23:04 59.016 SPS=200.321 DEC=1 D.\9208200Y.CT1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 22:56
E01N
06621
4.9X
E02N
09124
3.6X
E03N
10254
3.2X
E04N
12542
2.6X
E05N
11520
2.8X
E06N
05571
5.9X
E07N
00141
50.0X
E08N
02043
16.0X
E09N
00819
40.0X
0
1
2

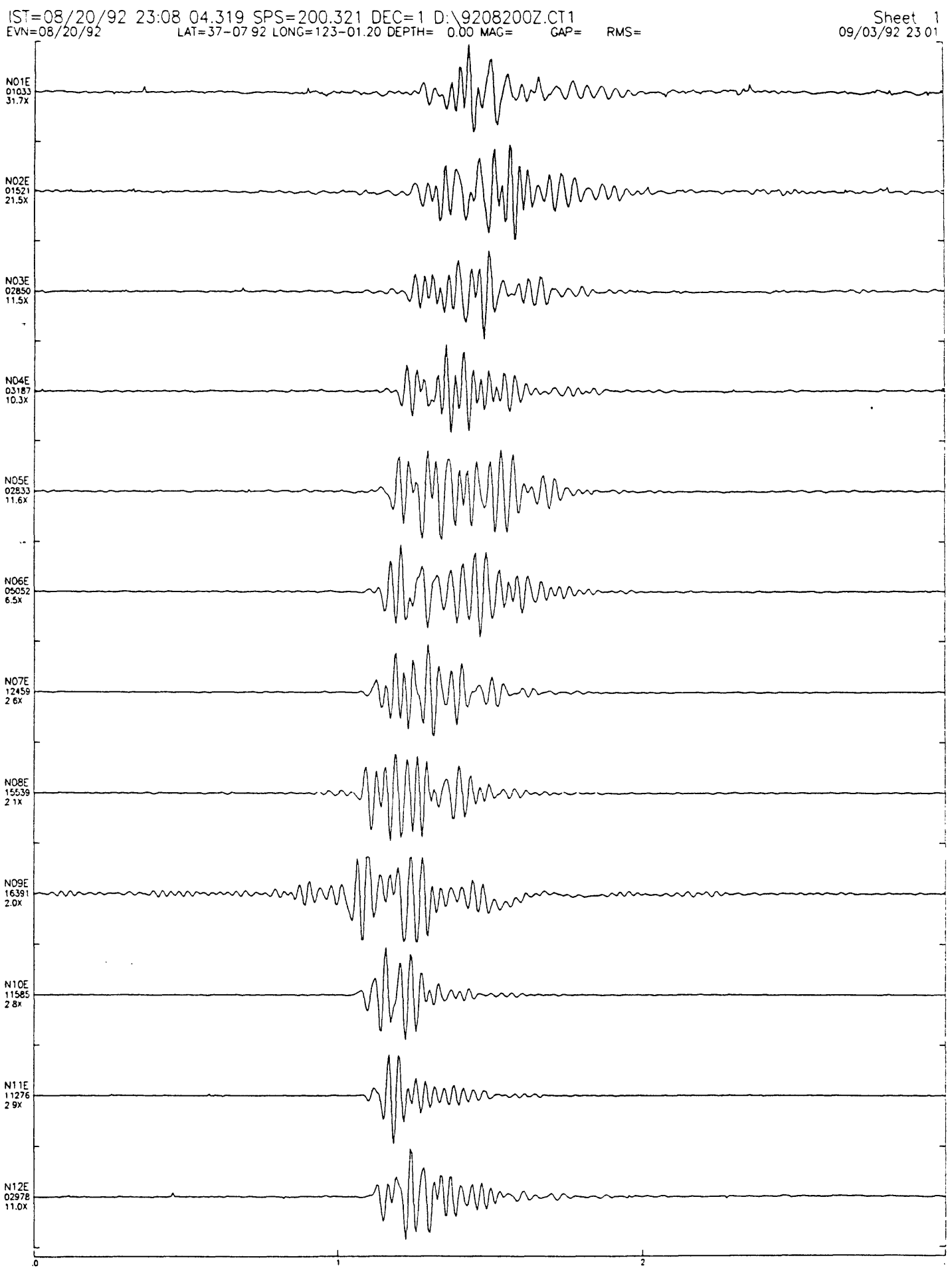

IST=08/20/92 23:04 59.016 SPS=200.321 DEC=1 D:\9208200Y.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 22:57
E01E
09450
3.5x
E02E
14085
2.3x
E03E
10638
3.1x
E04E
09449
3.5x
E05E
15377
2.1x
E06E
06980
4.7x
E07E
05303
6.2x
E08E
02799
11.7x
E09E
01384
23.7x
.0
1
2


IST=08/20/92 23:08 04.319 SPS=200.321 DEC=1 D:\9208200Z.CT1
Sheet 1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
09/03/92 22.59
N01V 00385 50.0X
N02V 00740 44.3X
N03V 01090 30.1X
N04V 01343 24.4X
N05V 02788 11.8X
N06V 03700 8.9X
N07V 12010 2.7X
N08V 12221 2.7X
N09V 13994 2.3X
N10V 10939 3.0X
N11V 03088 10.6X
N12V 01976 16.6X
0
1
2

IST=08/20/92 23:08 04.319 SPS=200.321 DEC=1 D:\9208200Z.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=

09/03/92 23.00




IST=08/20/92 23:08 04.319 SPS=200.321 DEC=1 D:\9208200Z.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 23 01
N01E
01033
31.7X
N02E
01521
21.5X
N03E
02850
11.5X
N04E
03187
10.3X
N05E
02833
11.6X
N06E
05052
6.5X
N07E
12459
2 6X
N08E
15539
2 1X
N09E
16391
2.0X
N10E
11585
2 8X
N11E
11276
2 9X
N12E
02978
11.0X
0
1
2

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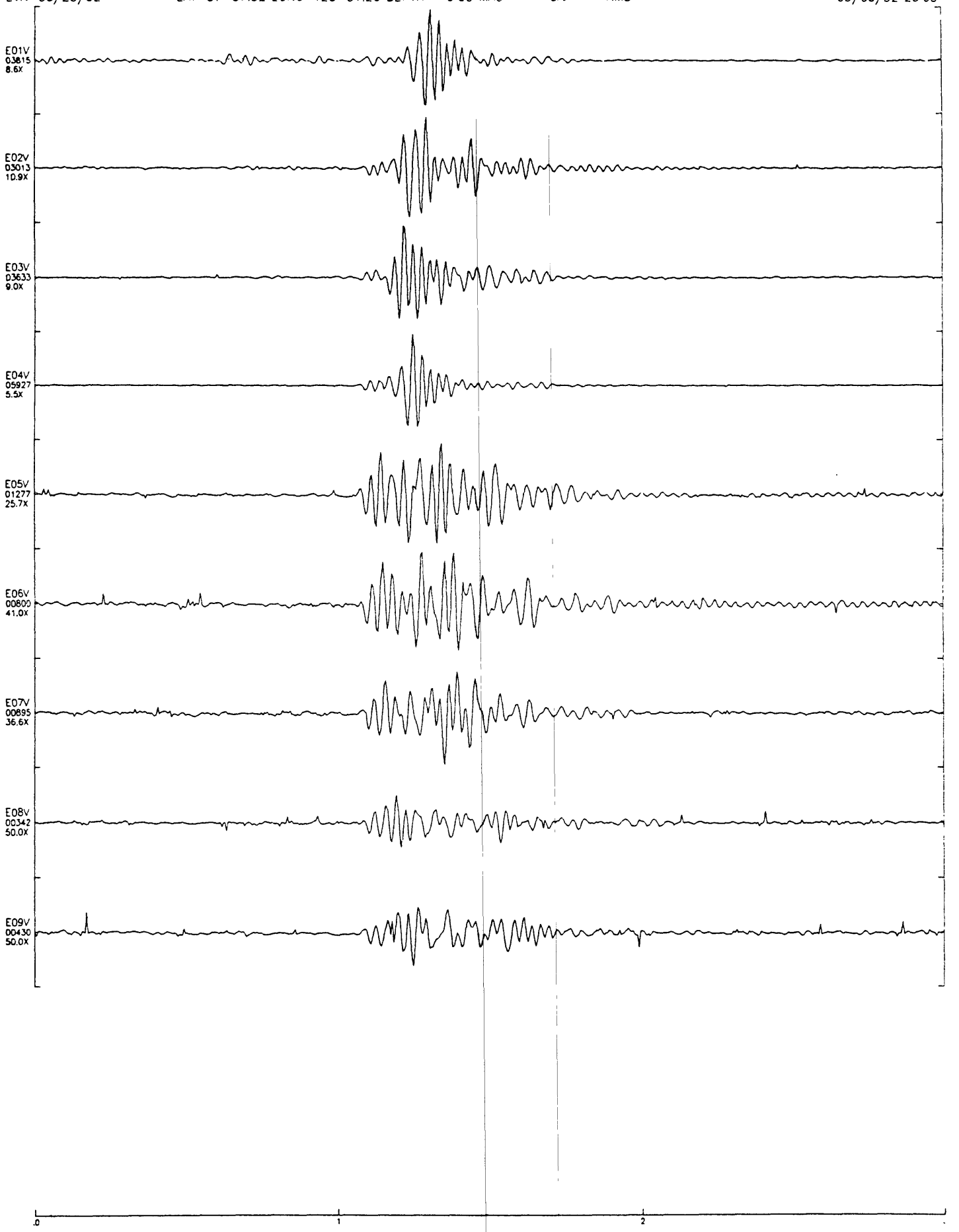

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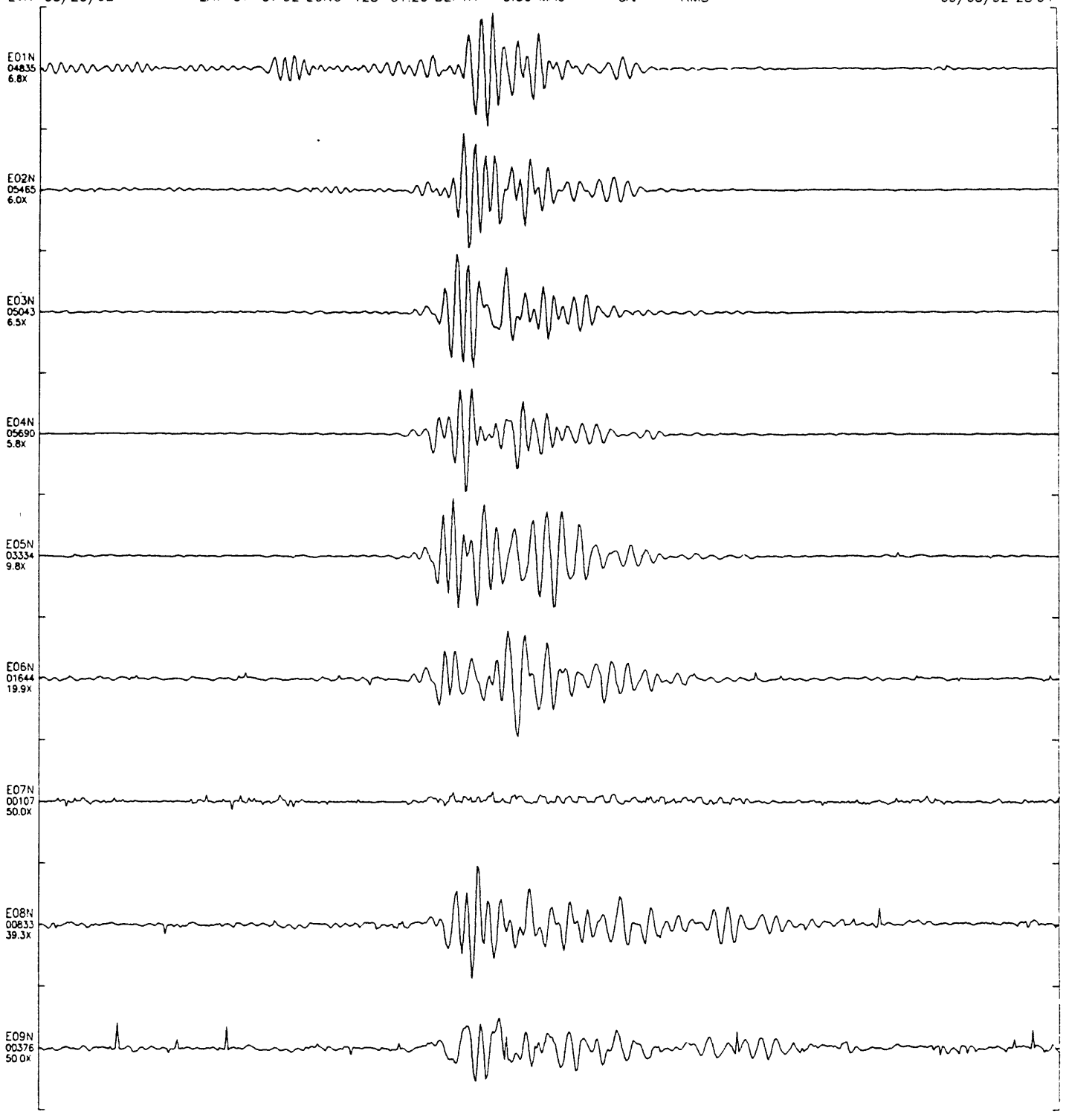
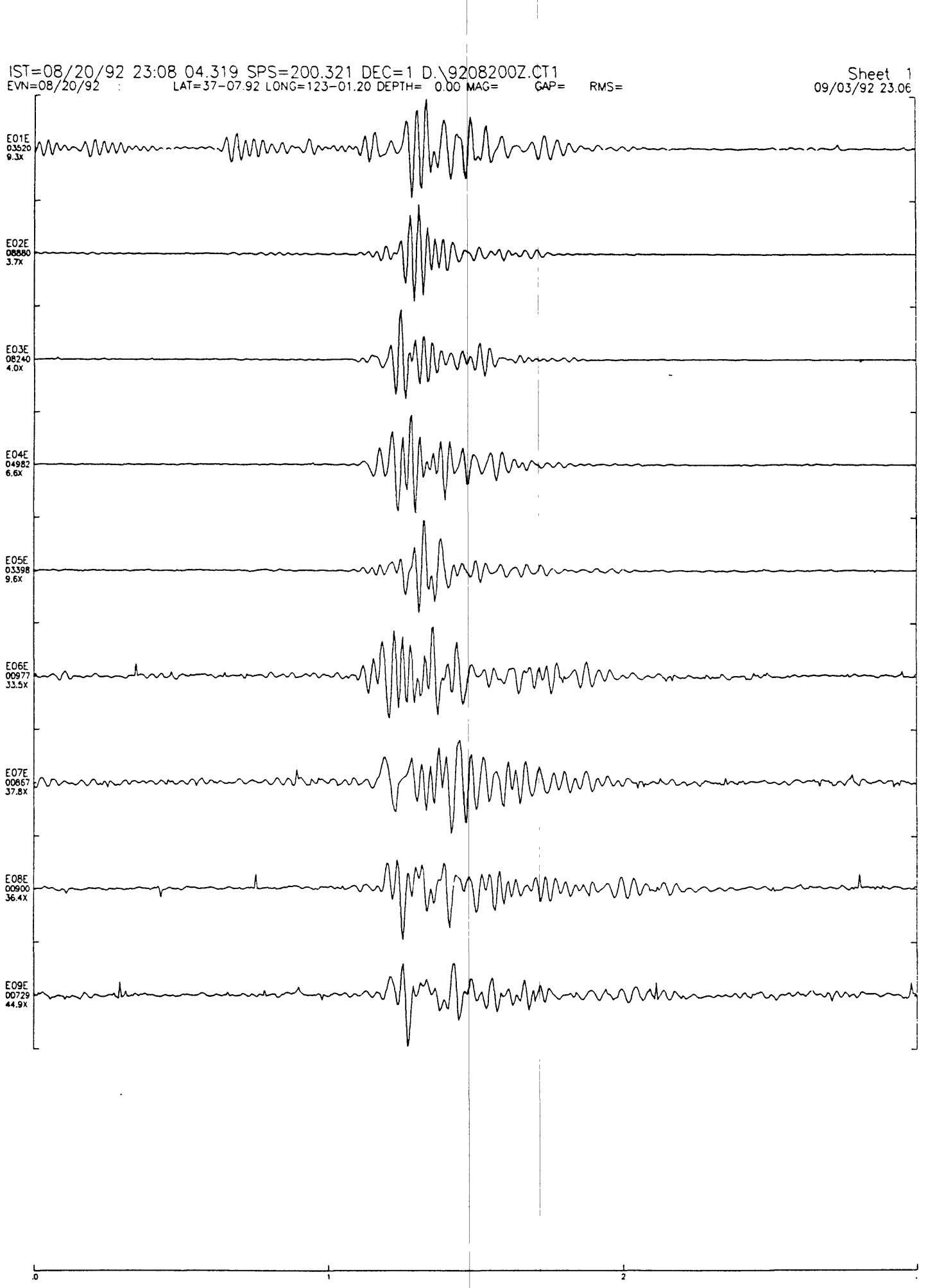
Sheet 1
09/03/92 23 04

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GAP=
RMS=
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09/03/92 23.06
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03520
9.3x
E02E
08880
3.7x
E03E
08240
4.0x
E04E
04982
6.6x
E05E
03398
9.6x
E06E
00977
33.5x
E07E
00867
37.8x
E08E
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36.4x
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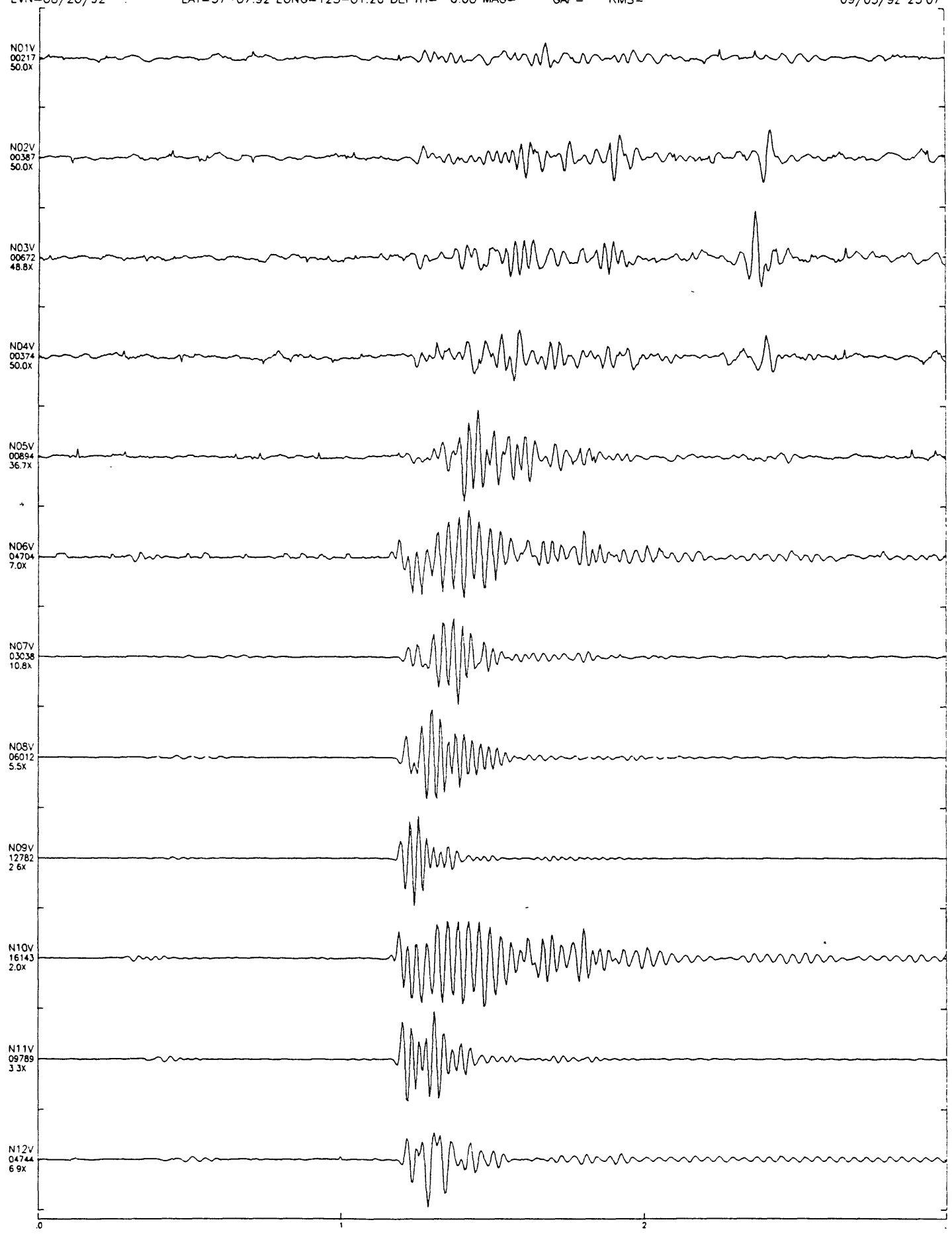
00729
44.9x
.0
1
2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N02V 00387 50.0x
N03V 00672 48.8x
N04V 00374 50.0x
N05V 00894 36.7x
N06V 04704 7.0x
N07V 03038 10.8x
N08V 06012 5.5x
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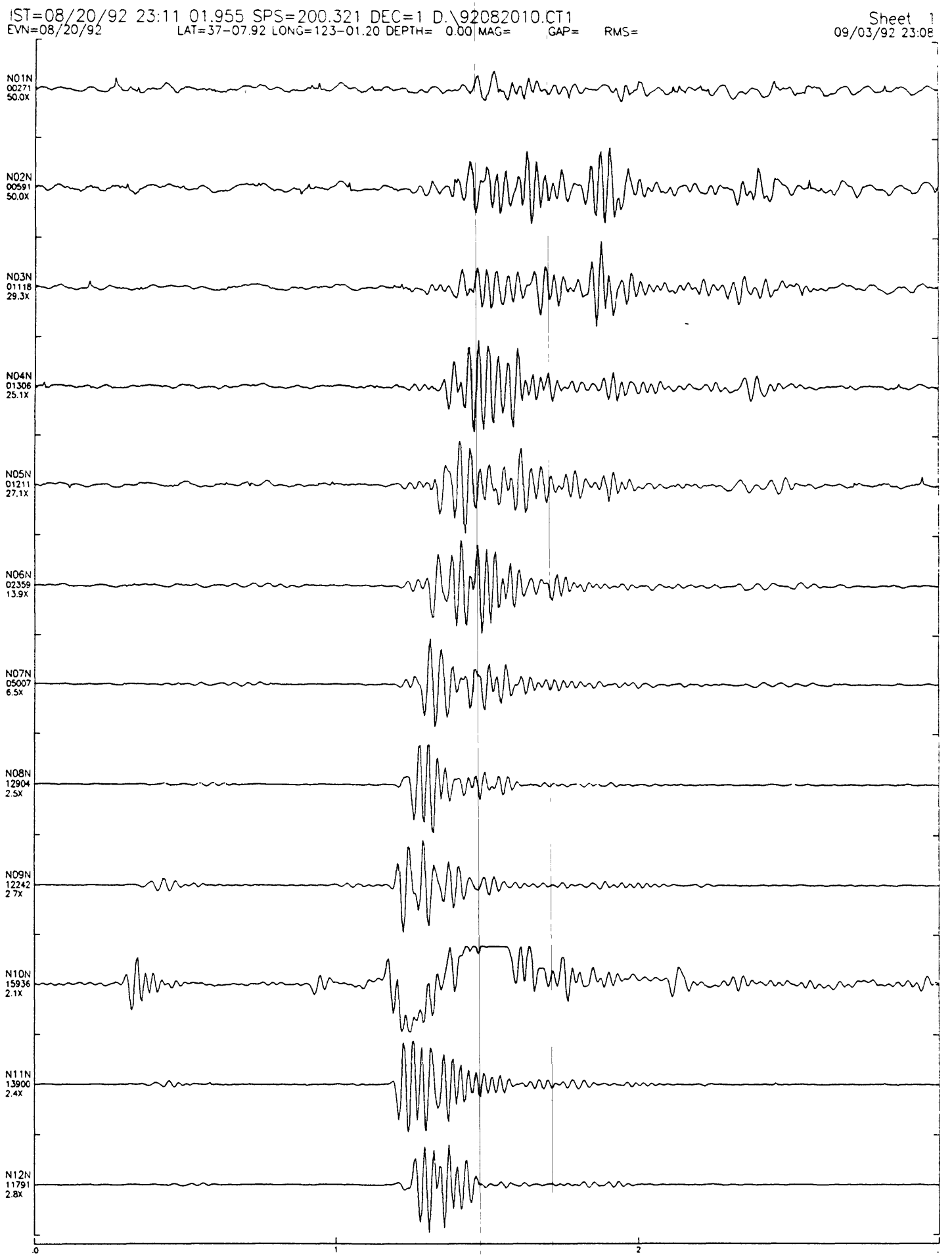
.0
1
2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N02N
00591
50.0X
N03N
01118
29.3X
N04N
01306
25.1X
N05N
01211
27.1X
N06N
02359
13.9X
N07N
05007
6.5X
N08N
12904
2.5X
N09N
12242
2.7X
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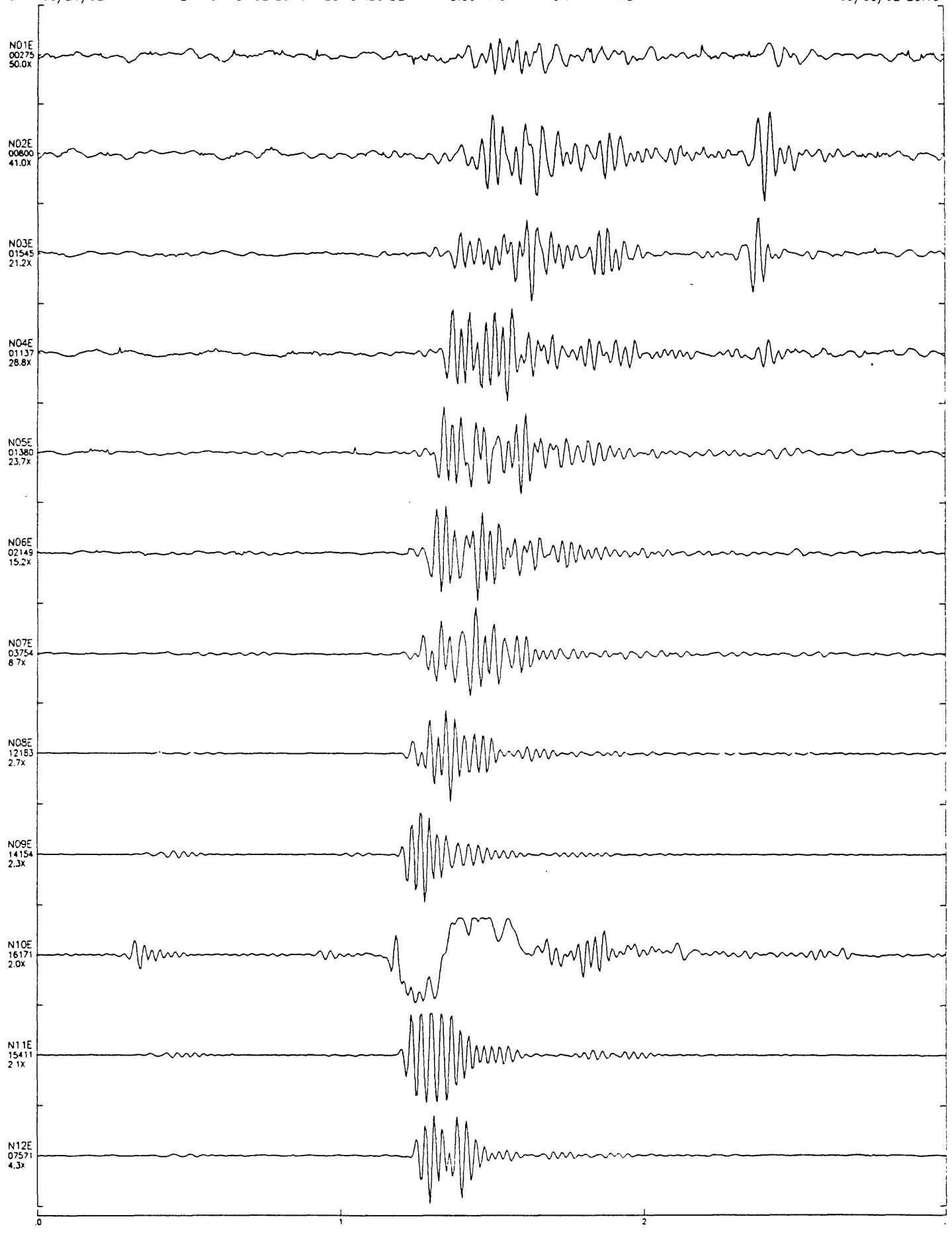
N12N
11791
2.8X
0
1
2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N02E
00800
41.0x
N03E
01545
21.2x
N04E
01137
28.8x
N05E
01380
23.7x
N06E
02149
15.2x
N07E
03754
8.7x
N08E
12183
2.7x
N09E
14154
2.3x
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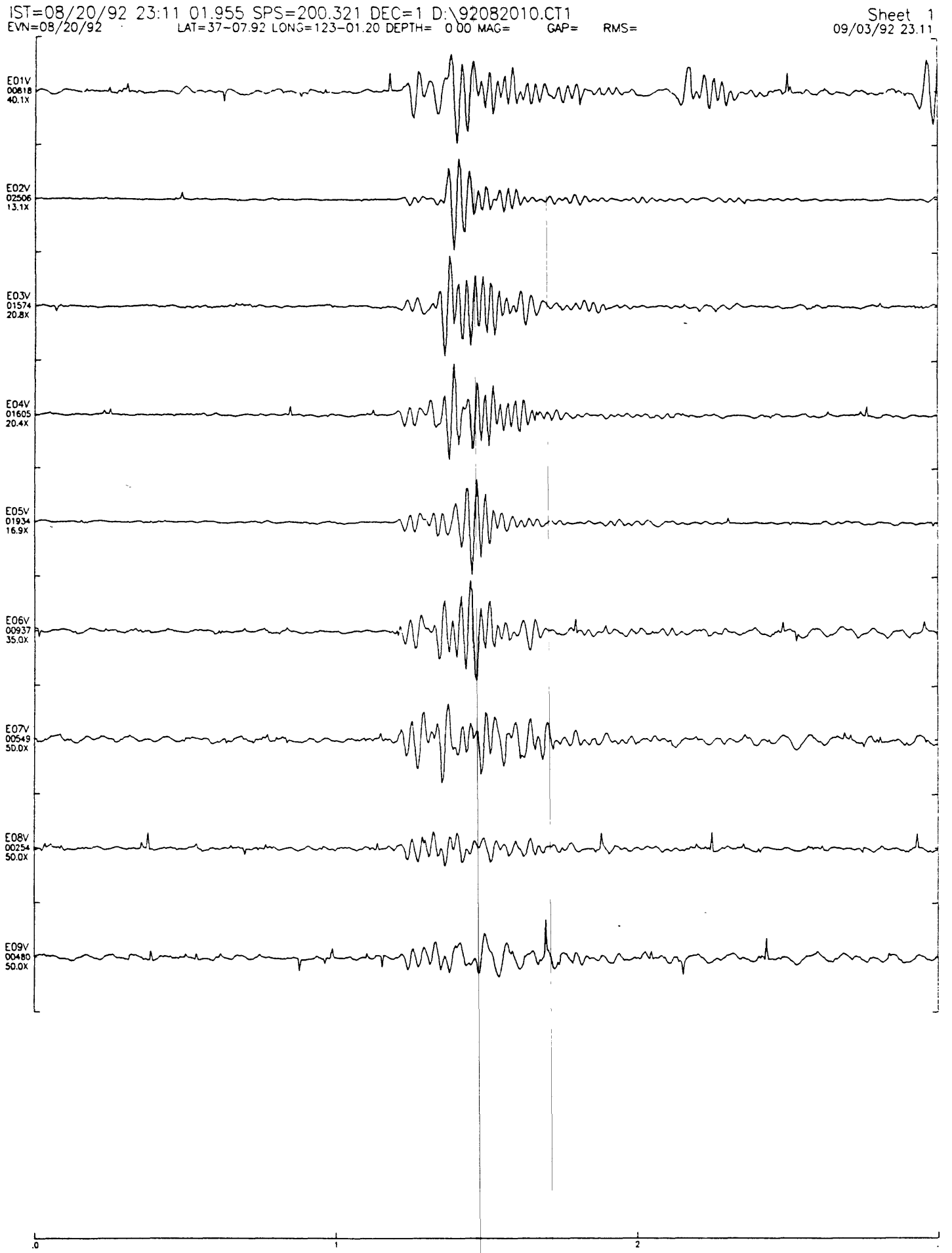
16171
2.0x
N11E
15411
2.1x
N12E
07571
4.3x
0
1
2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Sheet 1
09/03/92 23.11
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00818
40.1X
E02V
02506
13.1X
E03V
01574
20.8X
E04V
01605
20.4X
E05V
01934
16.9X
E06V
00937
35.0X
E07V
00549
50.0X
E08V
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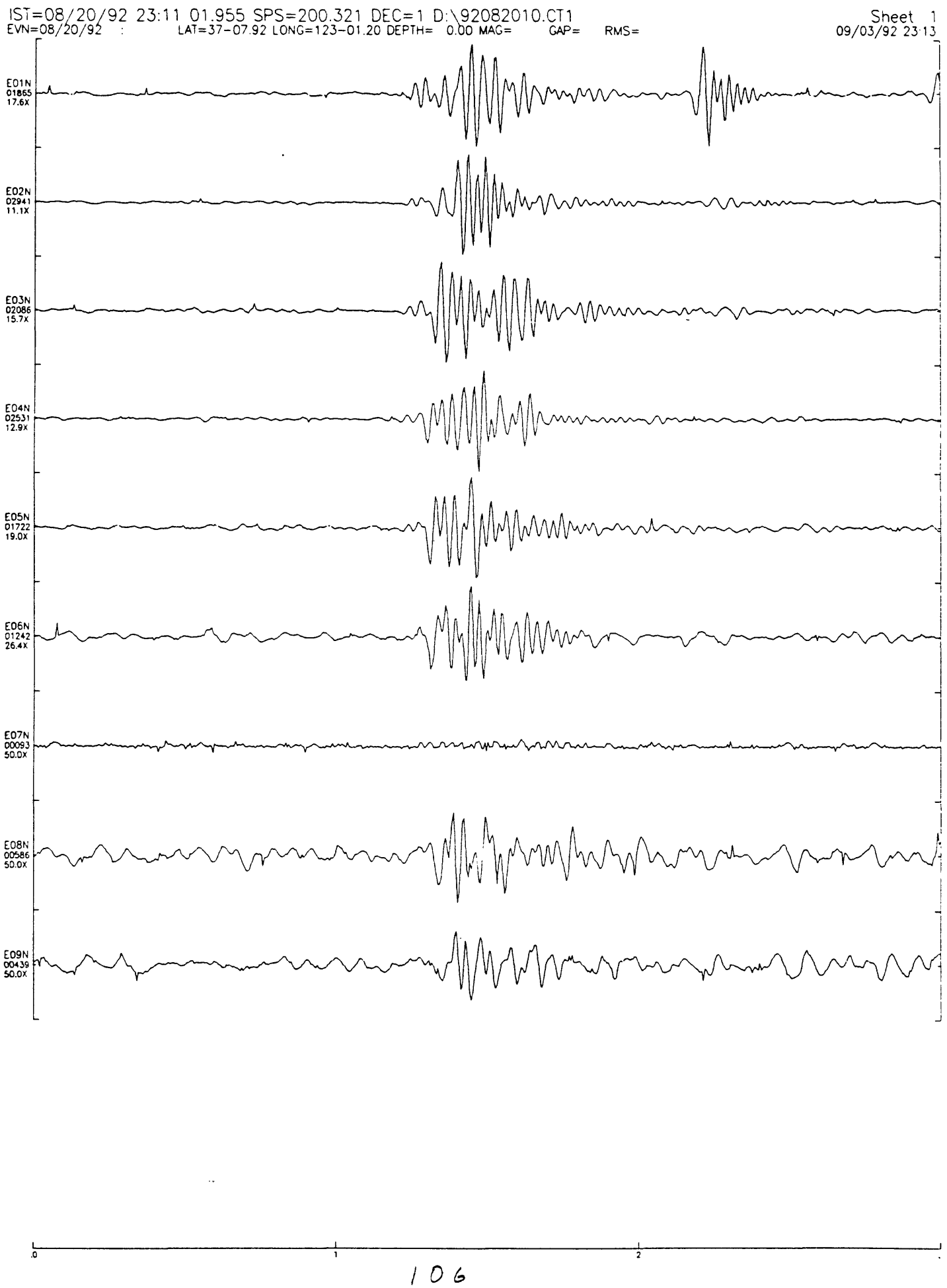
E09V
00480
50.0X
.0
1
2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09/03/92 23:13
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01865
17.6X
E02N
02941
11.1X
E03N
02086
15.7X
E04N
02531
12.9X
E05N
01722
19.0X
E06N
01242
26.4X
E07N
00093
50.0X
E08N
00586
50.0X
E09N
00439
50.0X
0
1
2

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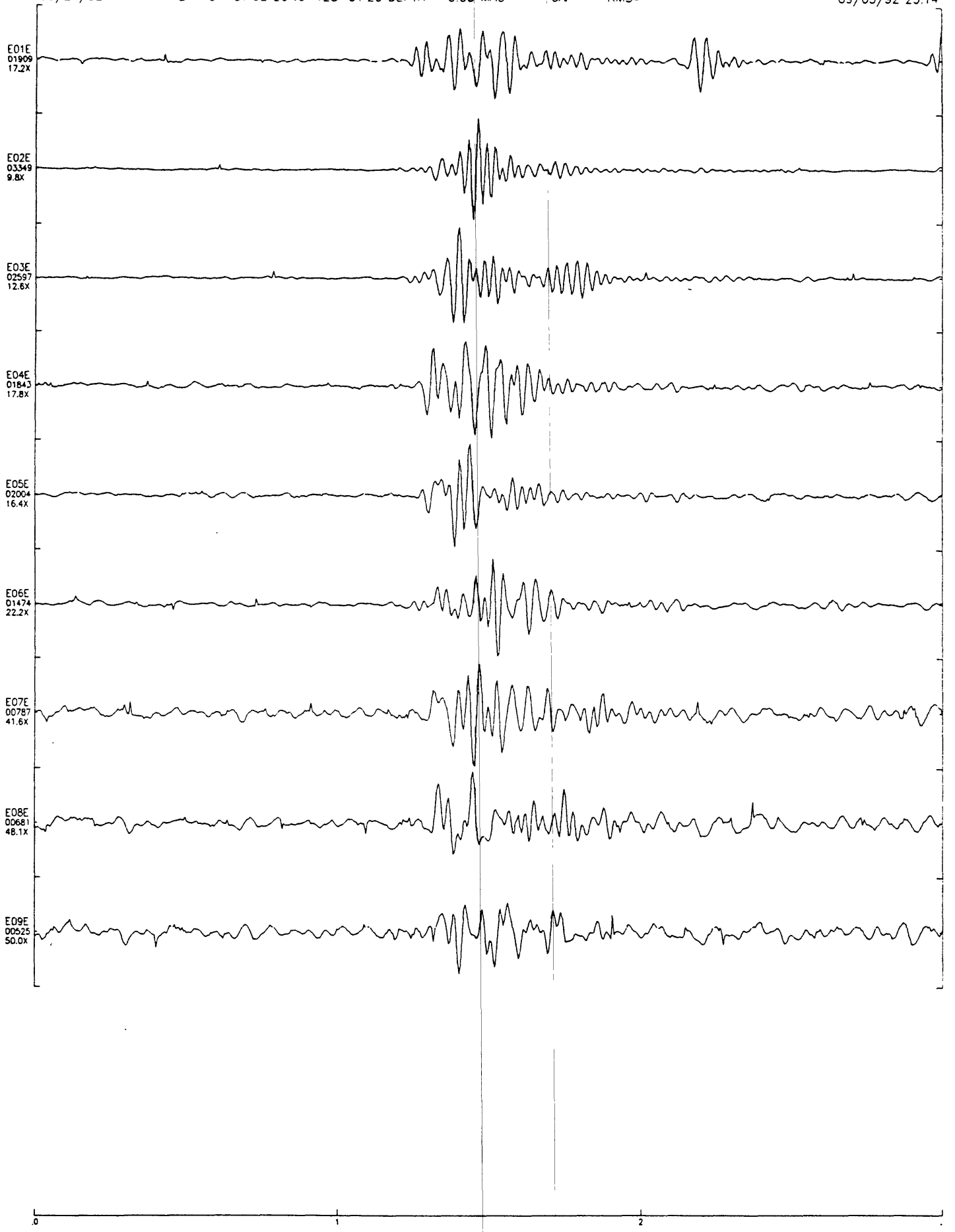
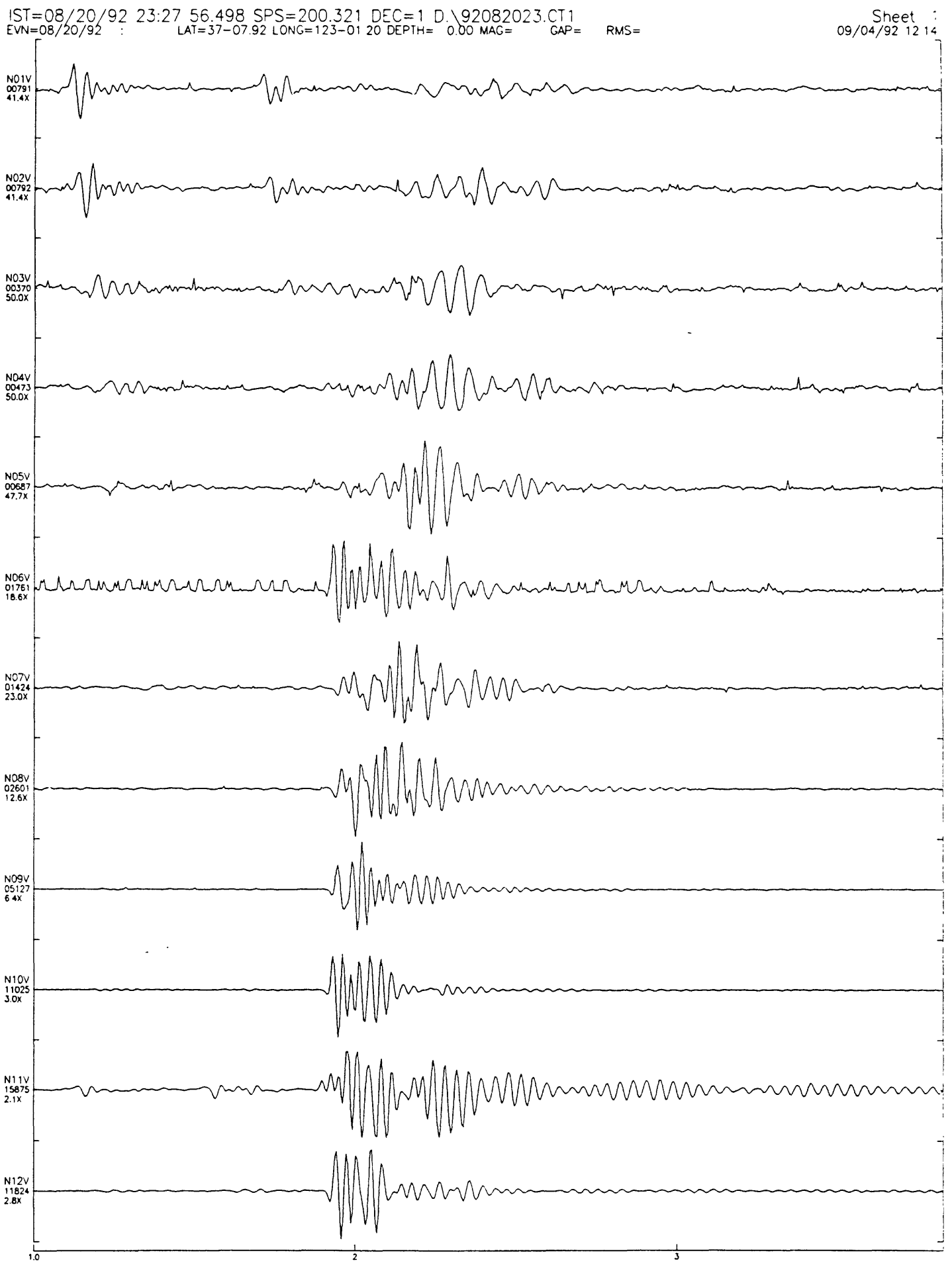
Sheet 1
09/03/92 23.14

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09/04/92 12 14
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N02V 00792 41.4X
N03V 00370 50.0X
N04V 00473 50.0X
N05V 00687 47.7X
N06V 01761 18.6X
N07V 01424 23.0X
N08V 02601 12.6X
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N10V 11025 3.0X
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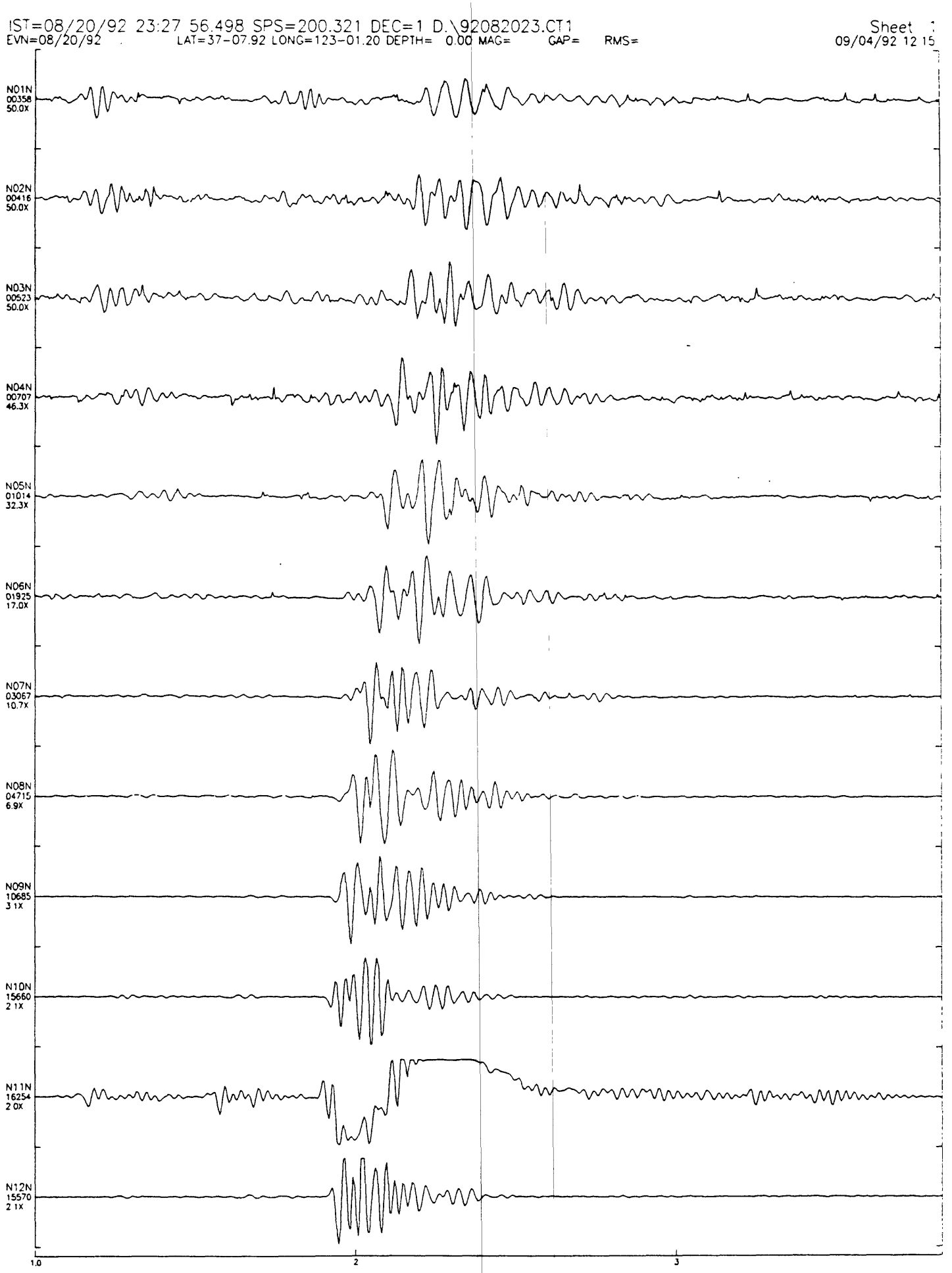
N12V 11824 2.8X
1.0
2
3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Sheet 1
09/04/92 12 15
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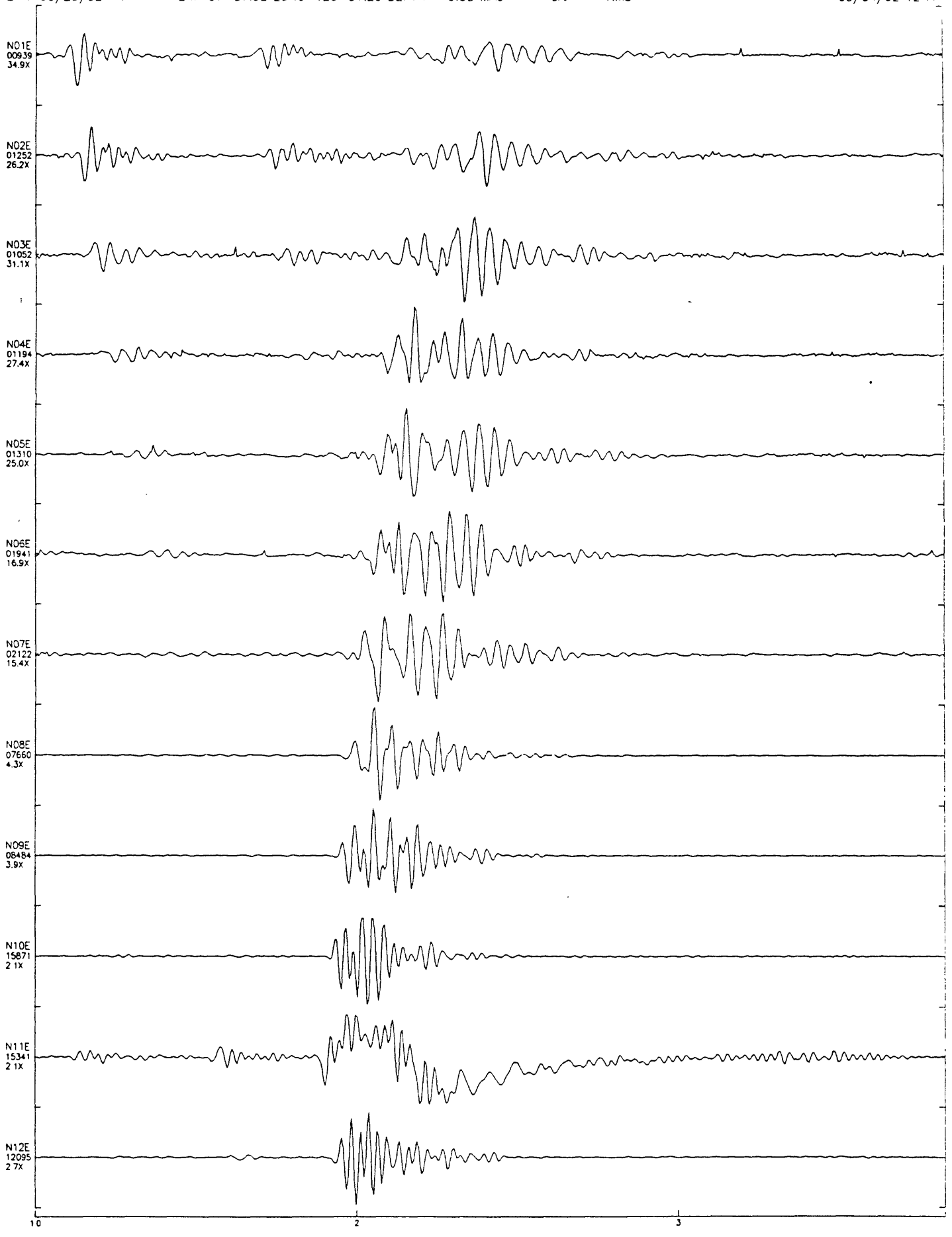
00358
50.0X
N02N
00416
50.0X
N03N
00523
50.0X
N04N
00707
46.3X
N05N
01014
32.3X
N06N
01925
17.0X
N07N
03067
10.7X
N08N
04715
6.9X
N09N
10685
3 1X
N10N
15660
2 1X
N11N
16254
2 0X
N12N
15570
2 1X
1.0
2
3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Sheet 1
09/04/92 12 17
N01E
00939
34.9X
N02E
01252
26.2X
N03E
01052
31.1X
N04E
01194
27.4X
N05E
01310
25.0X
N06E
01941
16.9X
N07E
02122
15.4X
N08E
07660
4.3X
N09E
08484
3.9X
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15871
2 1X
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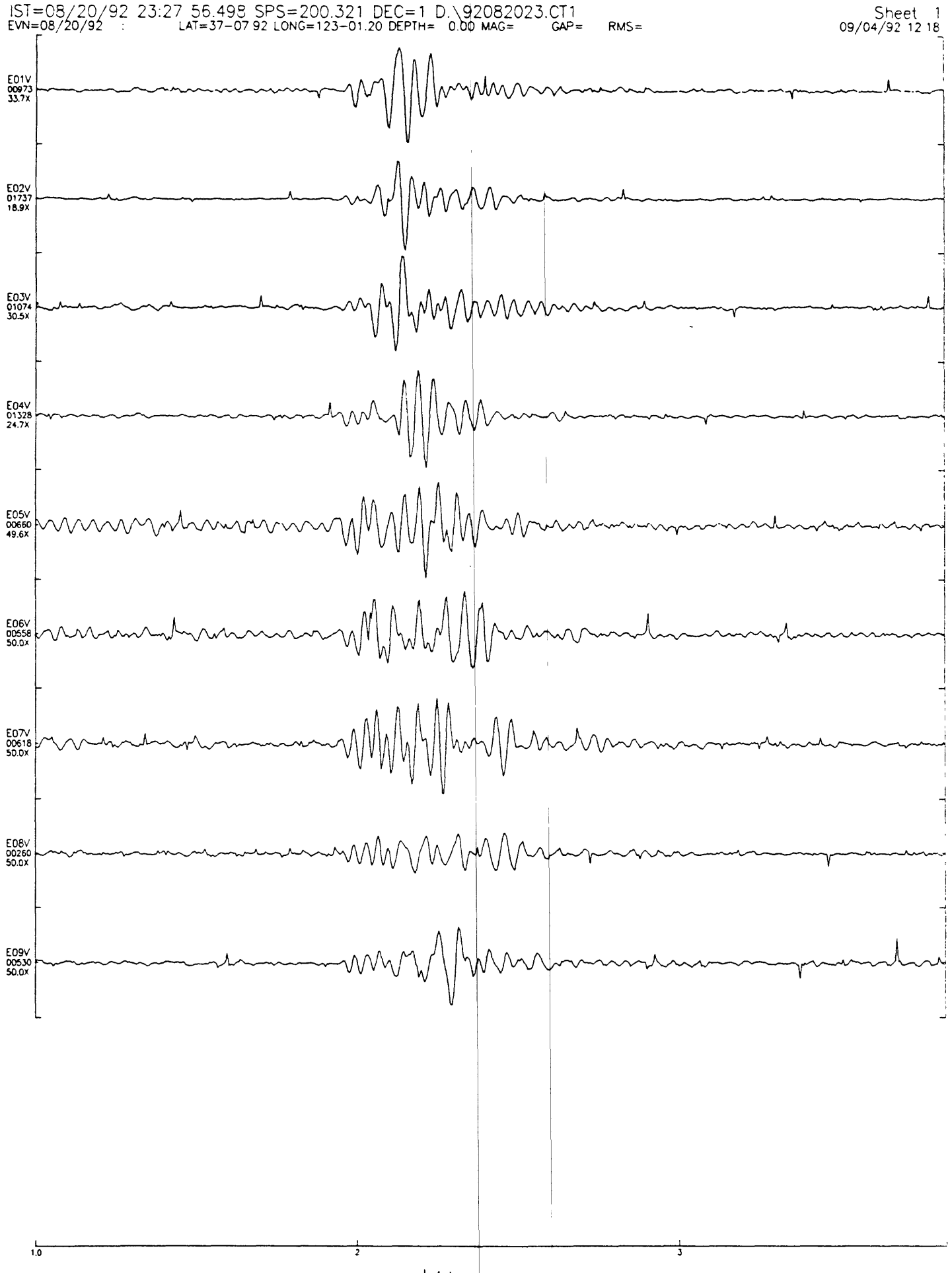
15341
2 1X
N12E
12095
2 7X
1 0
2
3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Sheet 1
09/04/92 12 18
E01V
00973
33.7x
E02V
01737
18.9x
E03V
01074
30.5x
E04V
01328
24.7x
E05V
00660
49.6x
E06V
00558
50.0x
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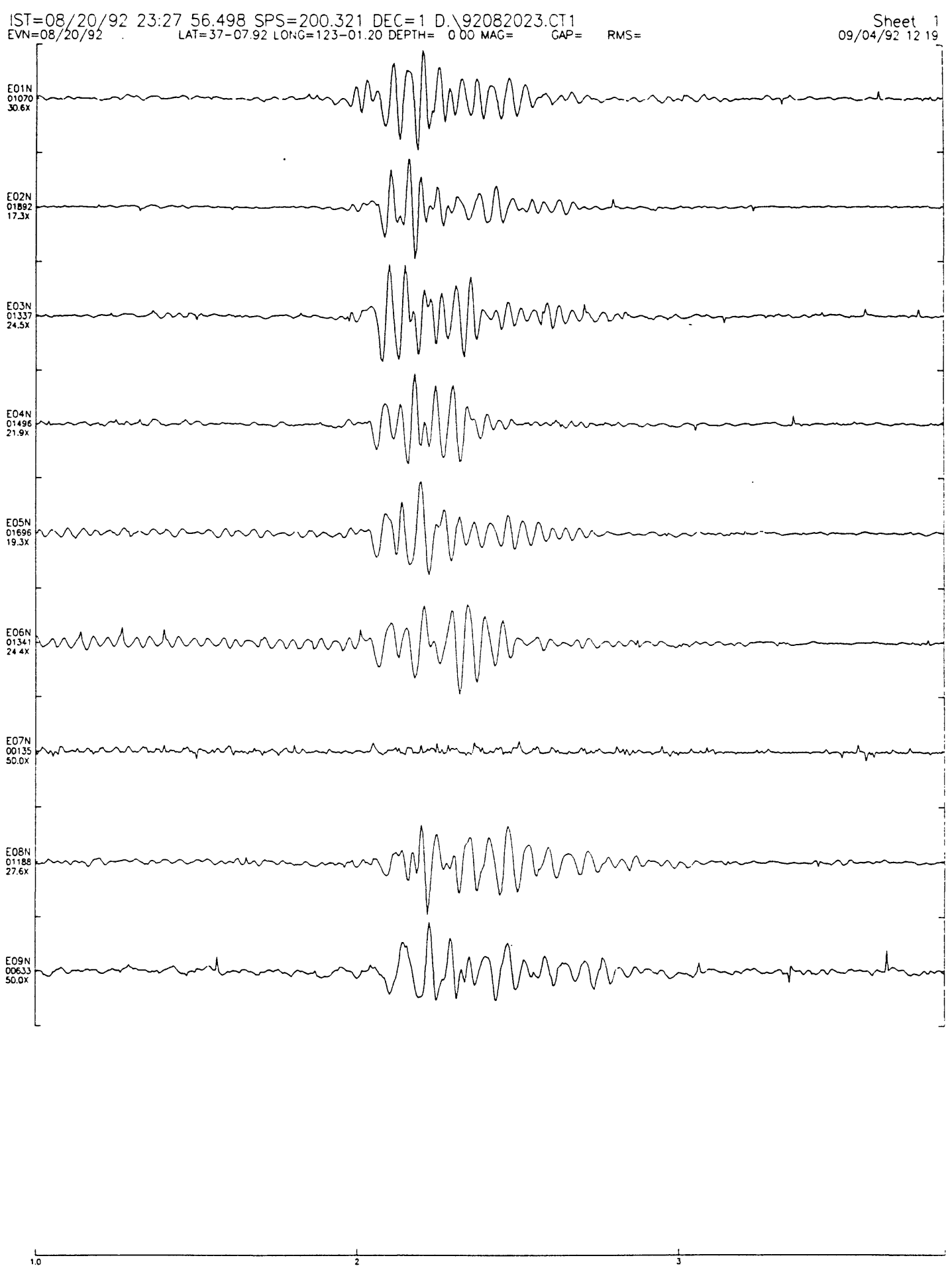
00618
50.0x
E08V
00260
50.0x
E09V
00530
50.0x
1.0
2
3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09/04/92 12 19
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E02N
01892
17.3x
E03N
01337
24.5x
E04N
01496
21.9x
E05N
01696
19.3x
E06N
01341
24.4x
E07N
00135
50.0x
E08N
01188
27.6x
E09N
00633
50.0x
1.0
2
3

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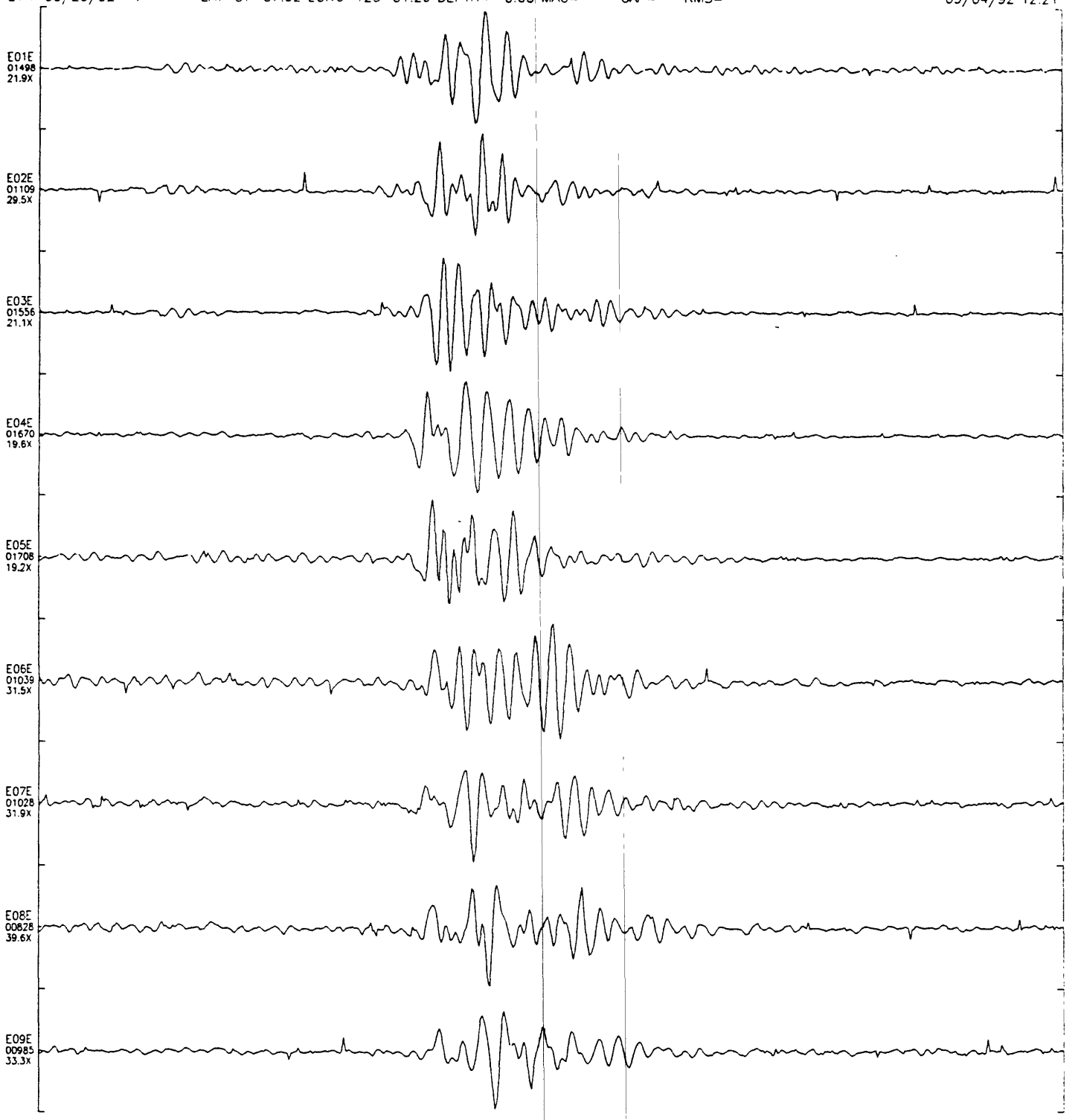
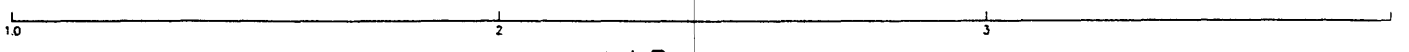
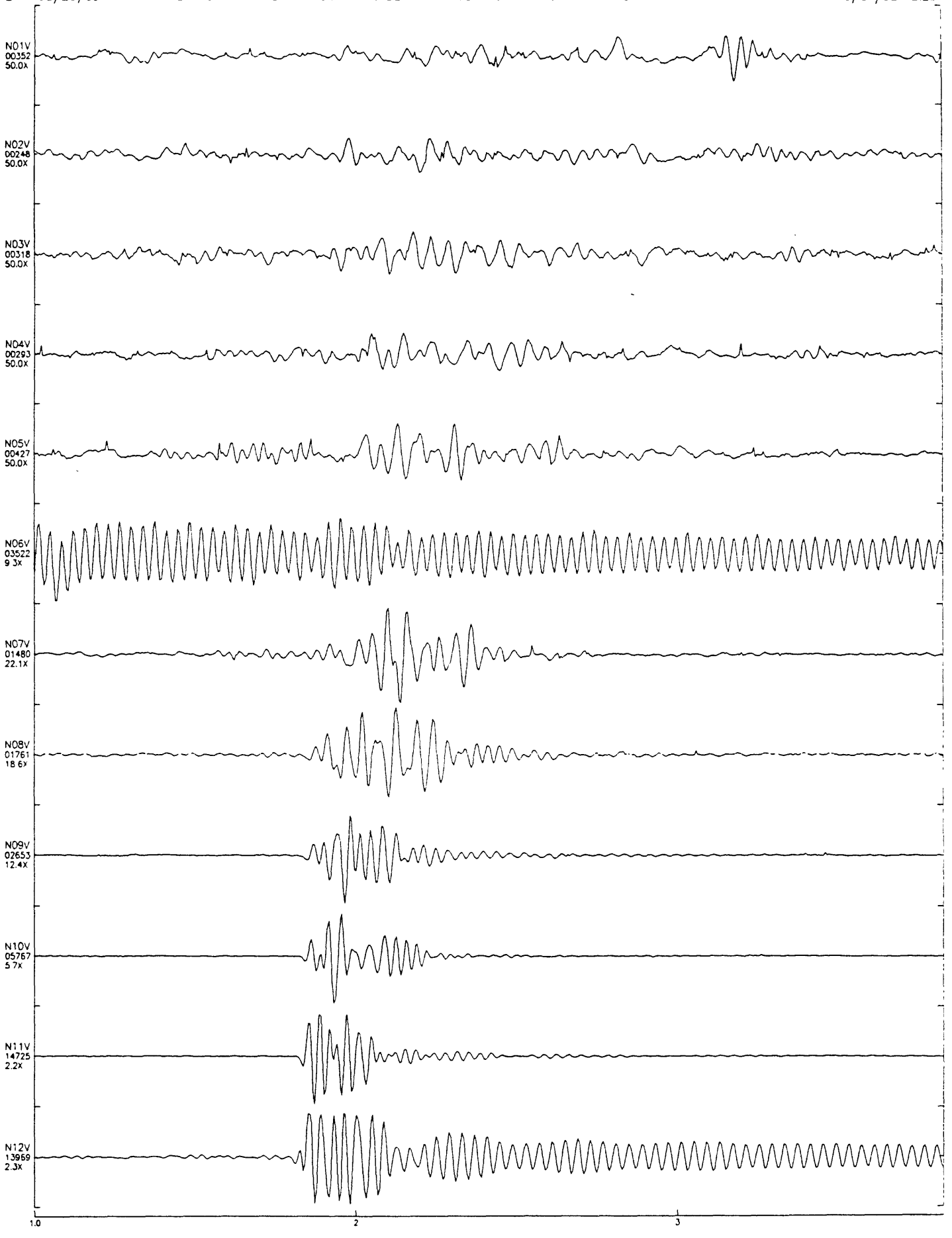
09/04/92 12:21



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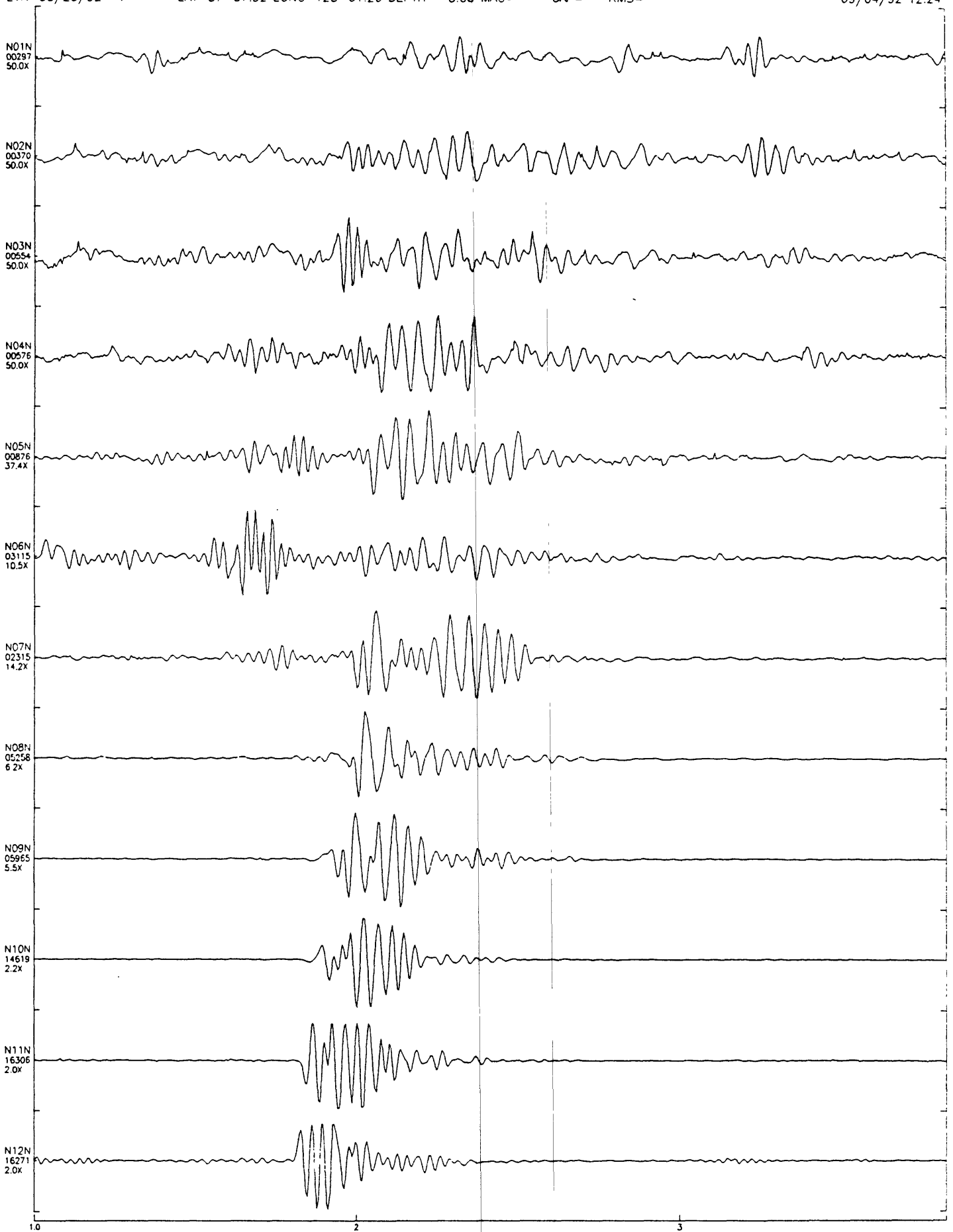
50.0x
N02V
00248
50.0x
N03V
00318
50.0x
N04V
00293
50.0x
N05V
00427
50.0x
N06V
03522
9 3x
N07V
01480
22.1x
N08V
01761
18 6x
N09V
02653
12.4x
N10V
05767
5 7x
N11V
14725
2.2x
N12V
13969
2.3x
1.0
2
3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Sheet 1
09/04/92 12.24
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00297
50.0X
N02N
00370
50.0X
N03N
00554
50.0X
N04N
00576
50.0X
N05N
00876
37.4X
N06N
03115
10.5X
N07N
02315
14.2X
N08N
05258
6.2X
N09N
05965
5.5X
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2.2X
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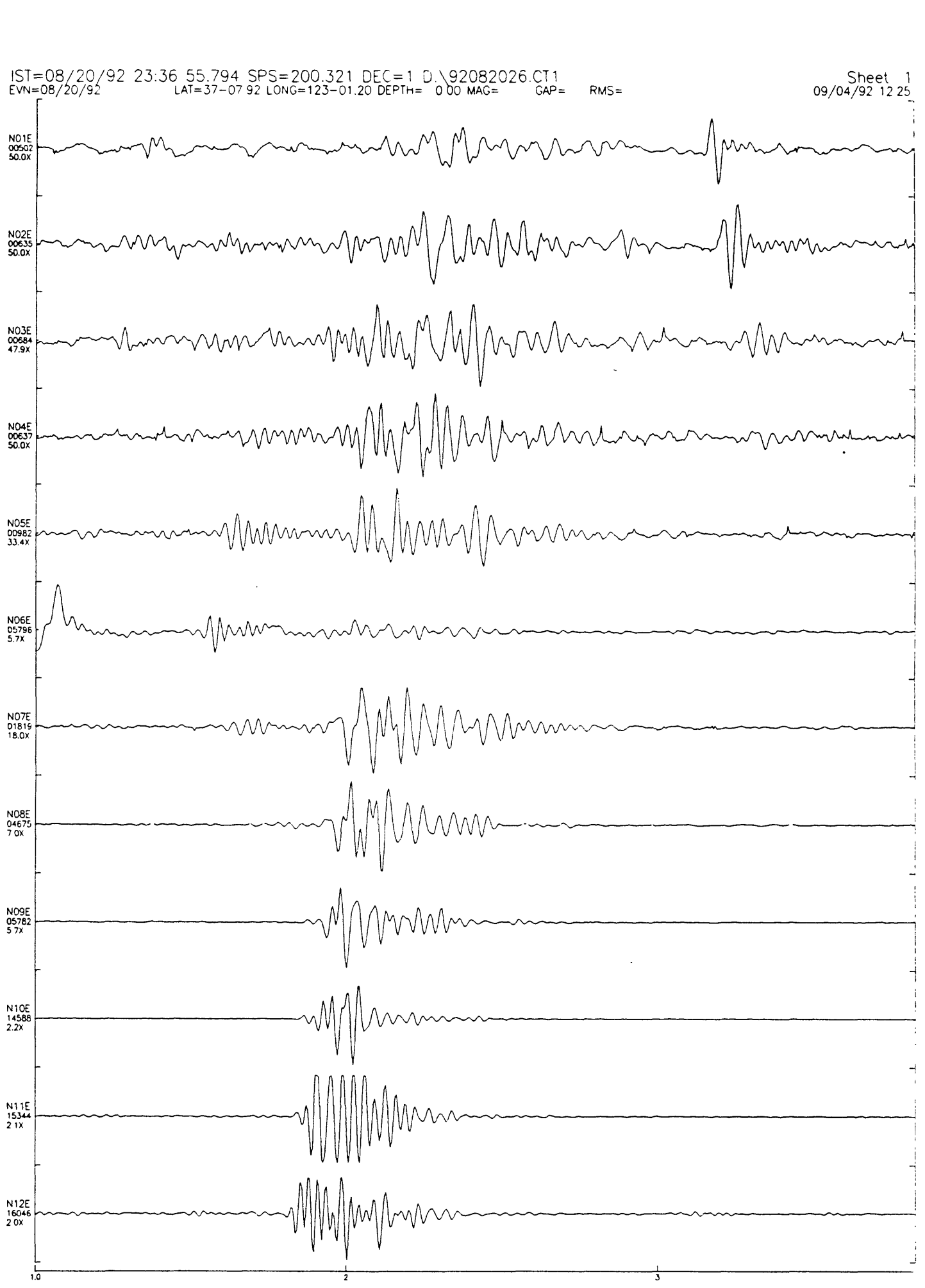
1.0
2
3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09/04/92 12 25
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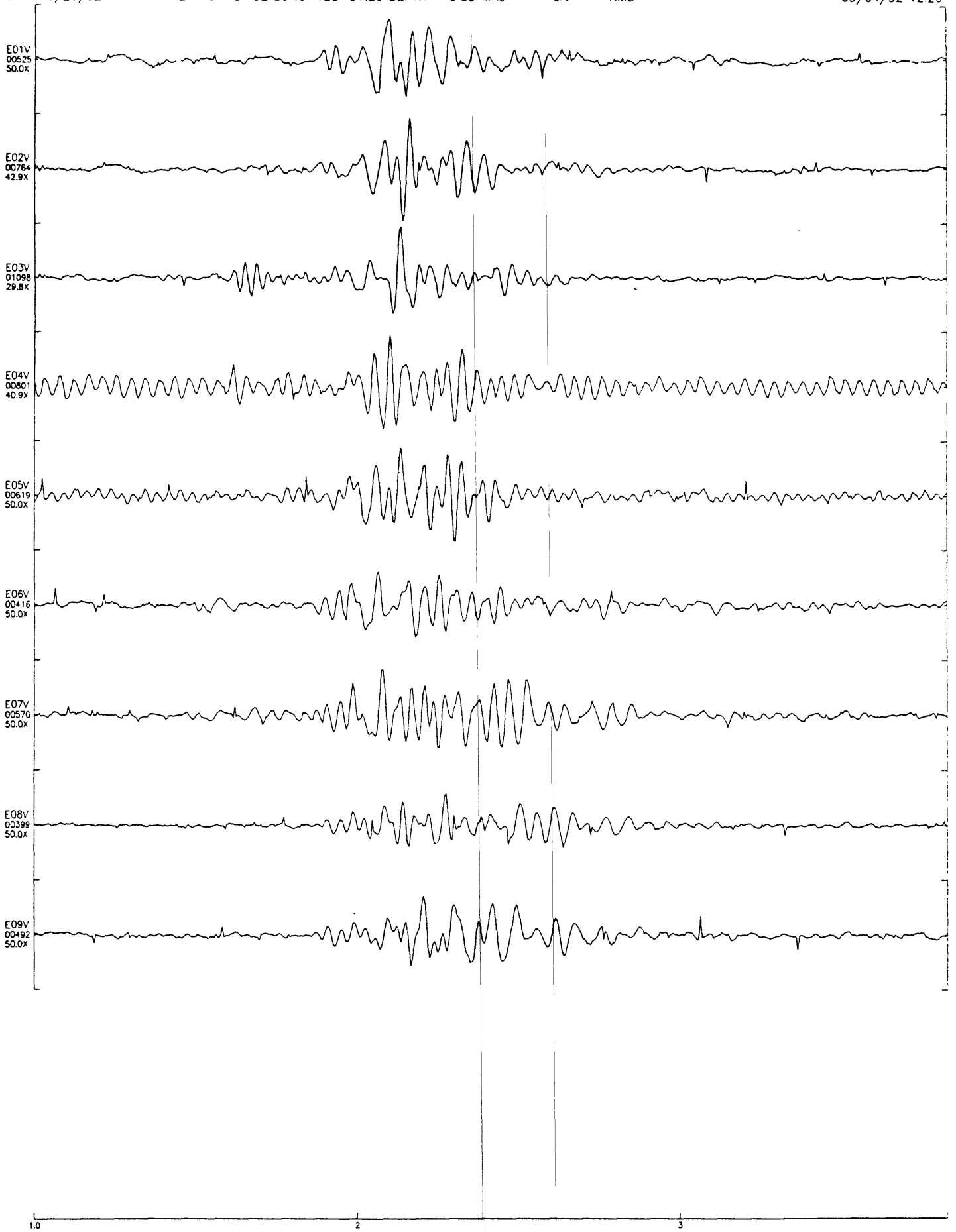
00502
50.0X
N02E
00635
50.0X
N03E
00684
47.9X
N04E
00637
50.0X
N05E
00982
33.4X
N06E
05796
5.7X
N07E
01819
18.0X
N08E
04675
7 0X
N09E
05782
5.7X
N10E
14588
2.2X
N11E
15344
2 1X
N12E
16046
2 0X
1.0
2
3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Sheet 1
09/04/92 12:26
E01V
00525
50.0x
E02V
00764
42.9x
E03V
01098
29.8x
E04V
00801
40.9x
E05V
00619
50.0x
E06V
00416
50.0x
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50.0x
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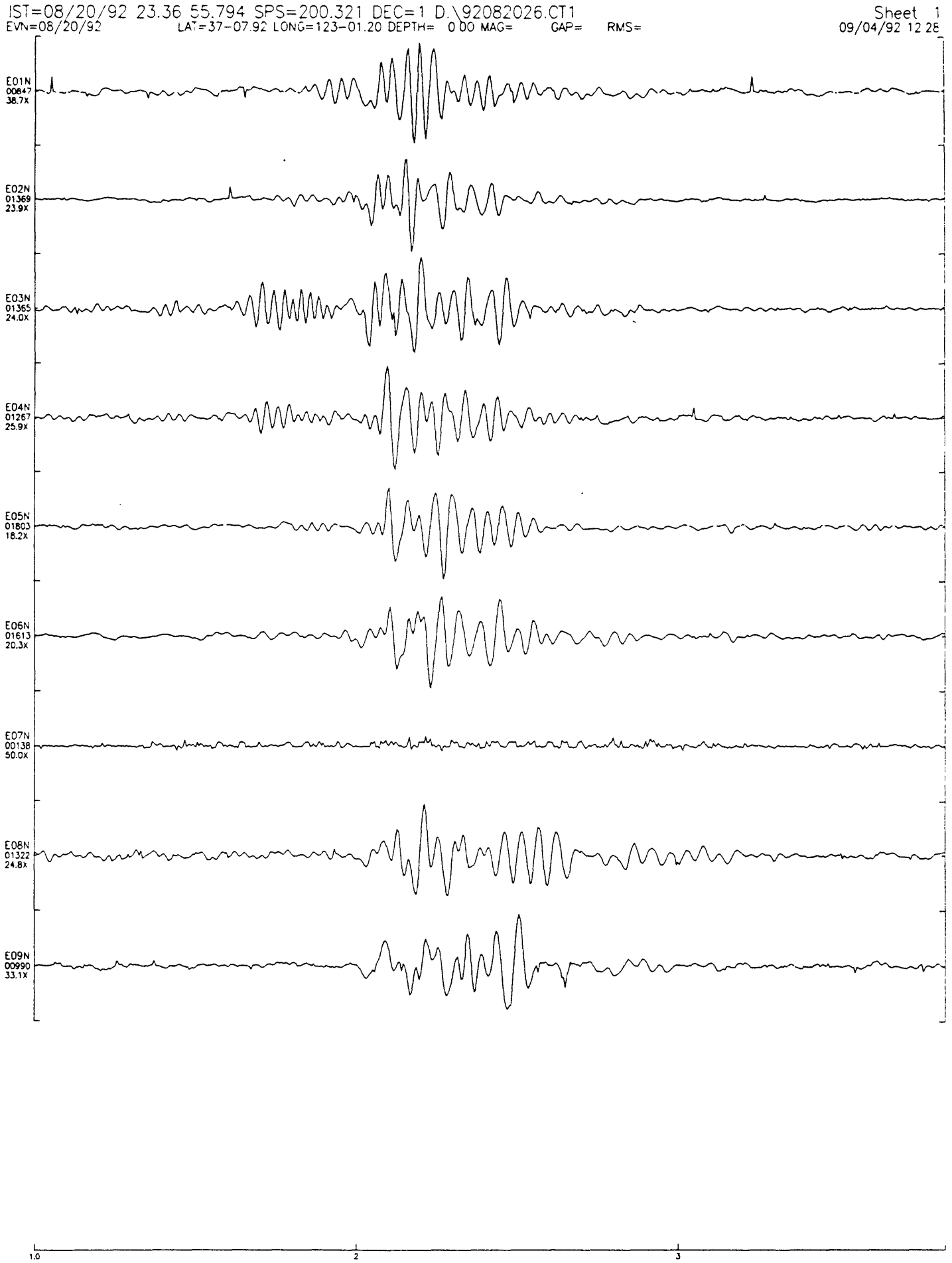
50.0x
1.0
2
3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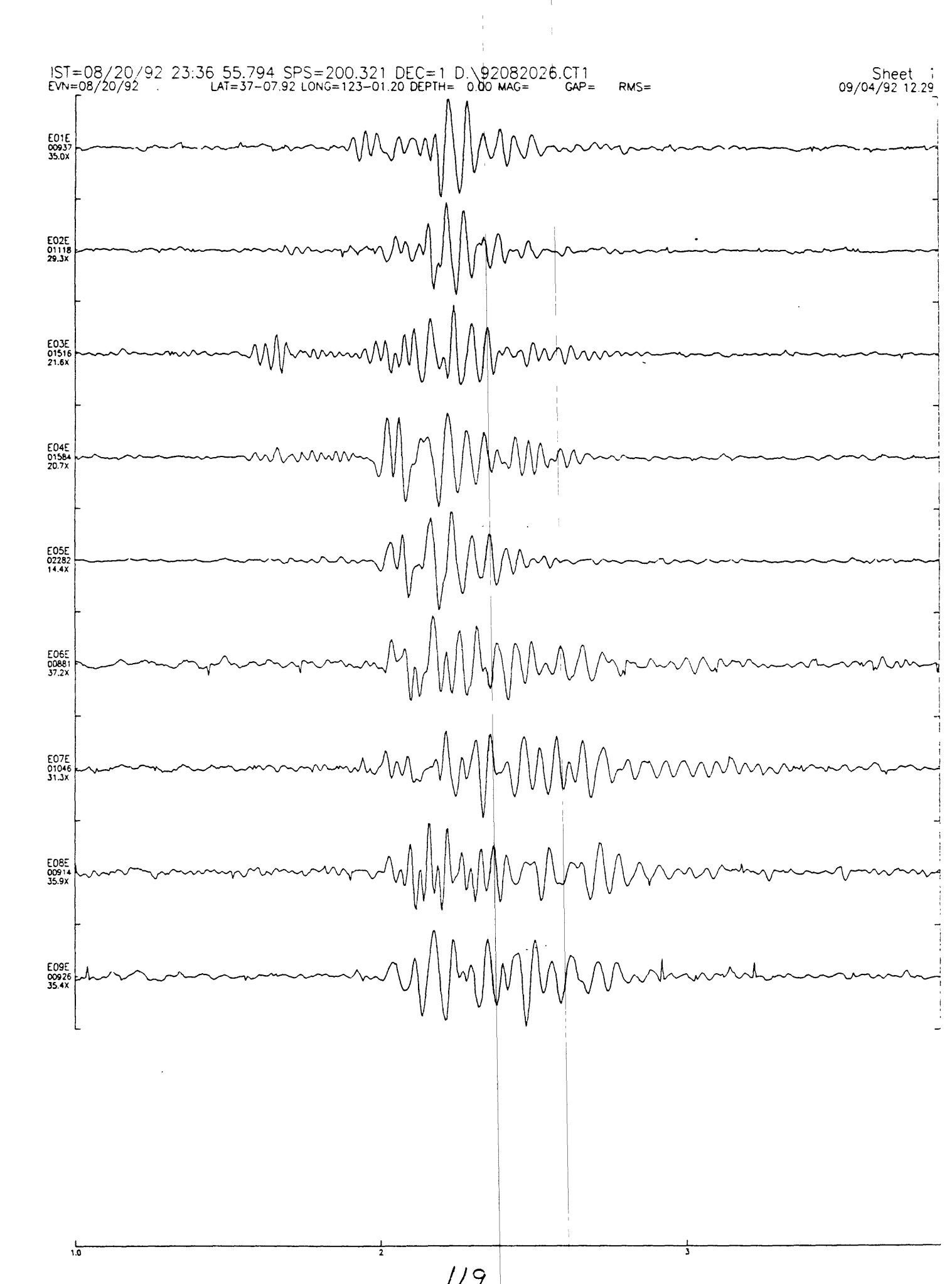
Sheet 1
09/04/92 12 28
E01N
00847
38.7x
E02N
01369
23.9x
E03N
01365
24.0x
E04N
01267
25.9x
E05N
01803
18.2x
E06N
01613
20.3x
E07N
00138
50.0x
E08N
01322
24.8x
E09N
00990
33.1x
1.0
2
3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Sheet 1
09/04/92 12.29
E01E
00937
35.0X
E02E
01118
29.3X
E03E
01516
21.6X
E04E
01584
20.7X
E05E
02282
14.4X
E06E
00881
37.2X
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31.3X
E08E
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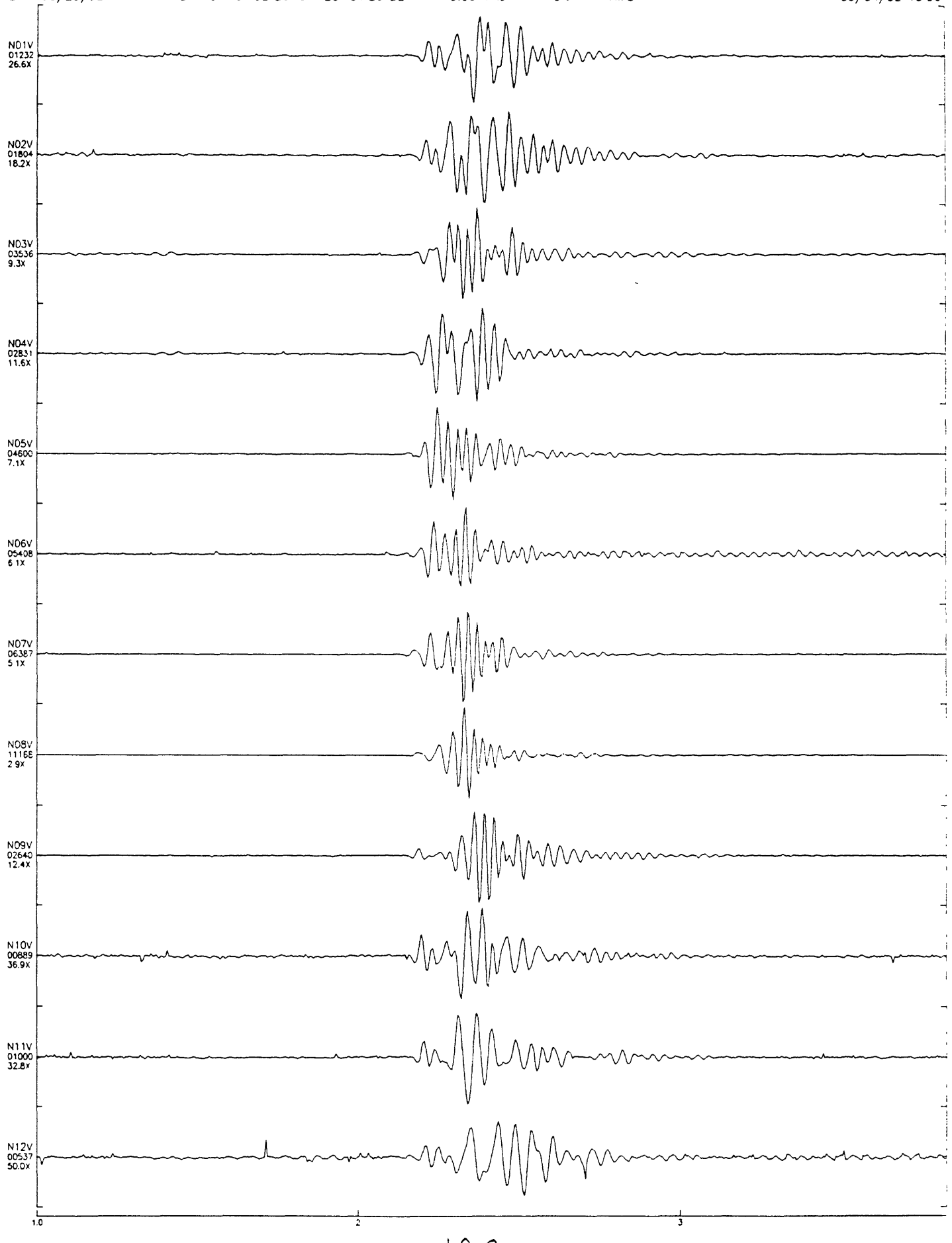
35.9X
E09E
00926
35.4X
1.0
2
3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N02V
01804
18.2X
N03V
03536
9.3X
N04V
02831
11.6X
N05V
04600
7.1X
N06V
05408
6.1X
N07V
06387
5.1X
N08V
11168
2.9X
N09V
02640
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N10V
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36.9X
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01000
32.8X
N12V
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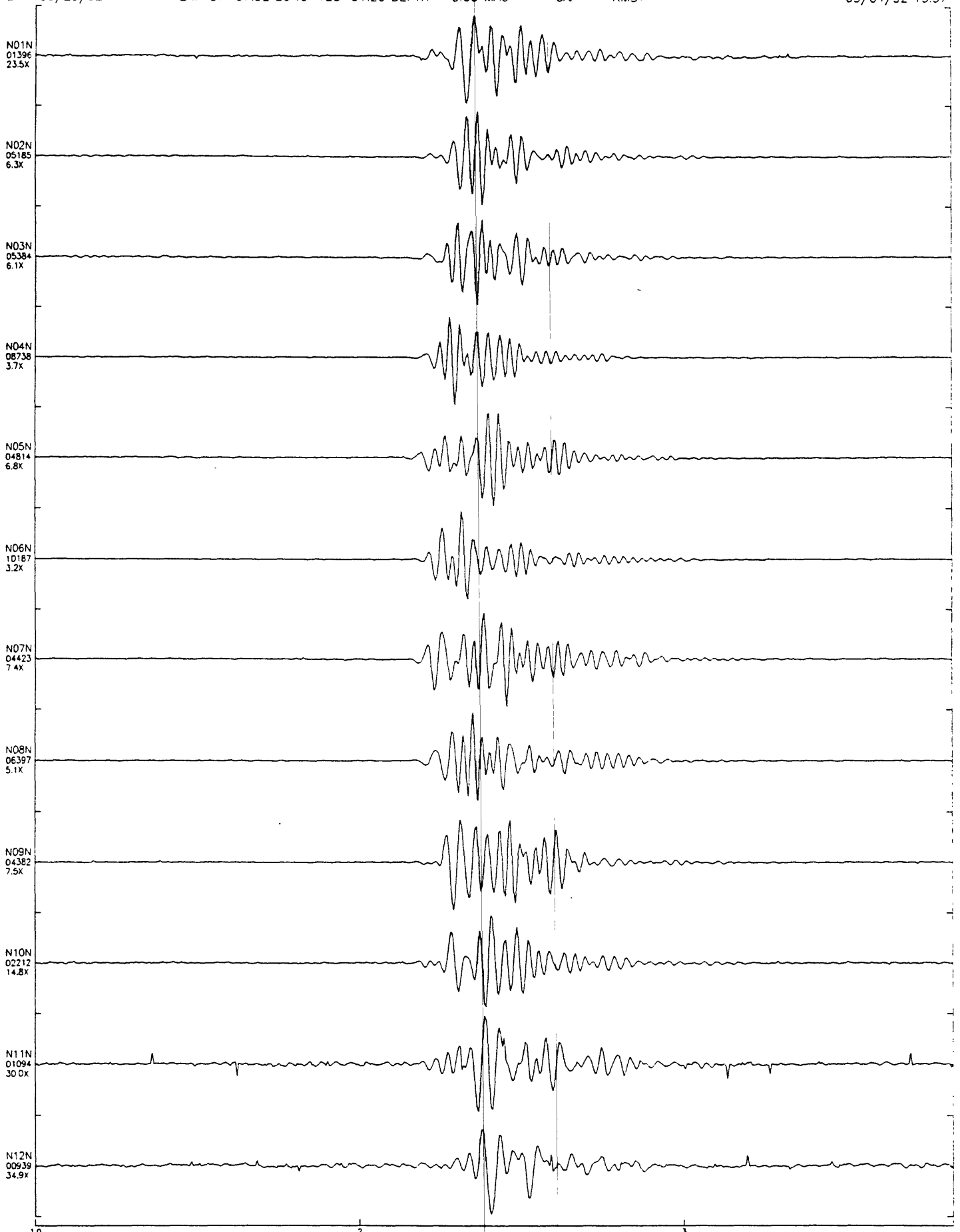
50.0X
1.0
2
3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Sheet 1
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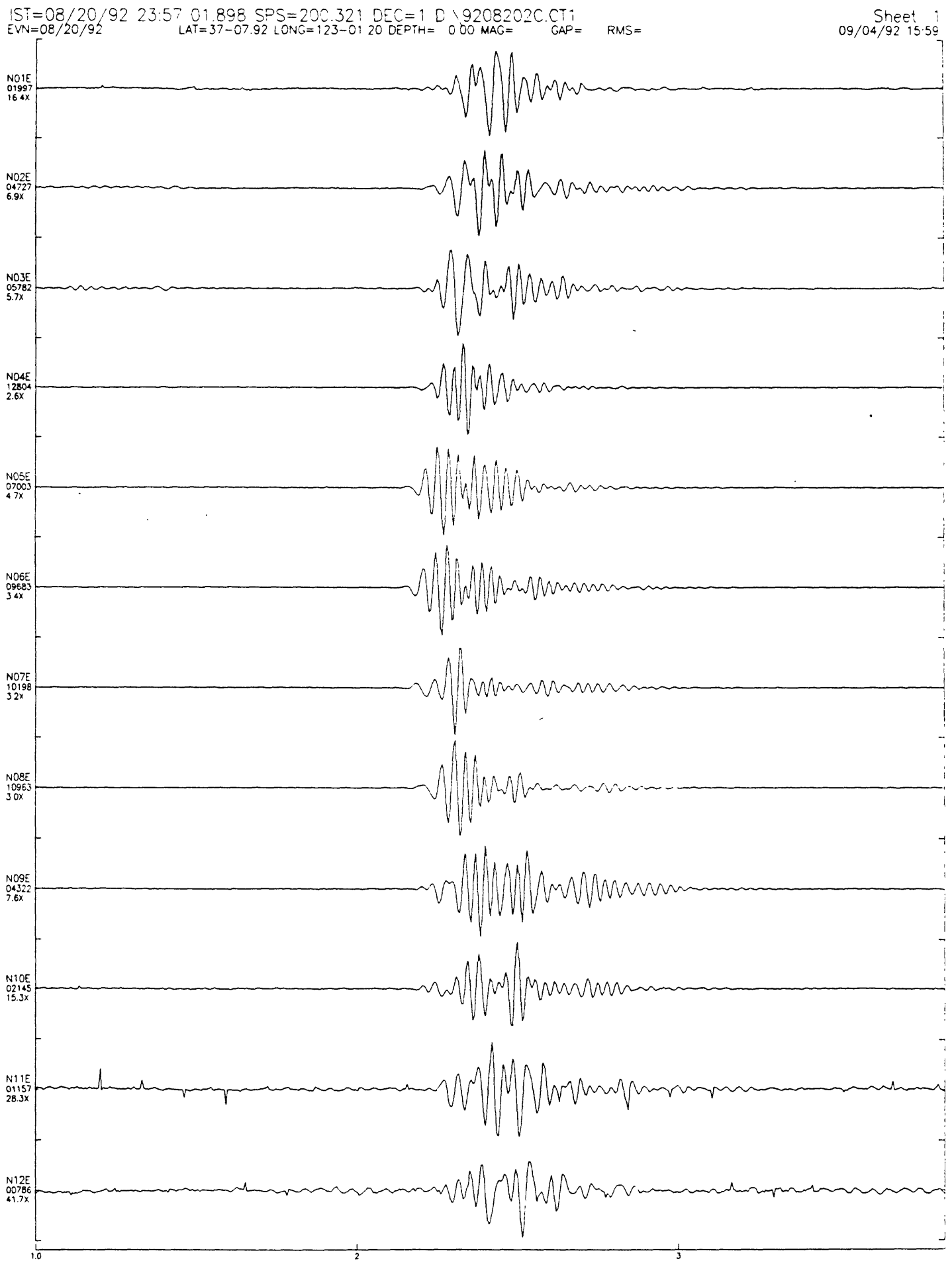
N01N
01396
23.5X
N02N
05185
6.3X
N03N
05384
6.1X
N04N
08738
3.7X
N05N
04814
6.8X
N06N
10187
3.2X
N07N
04423
7.4X
N08N
06397
5.1X
N09N
04382
7.5X
N10N
02212
14.8X
N11N
01094
30.0X
N12N
00939
34.9X
1.0
2
3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09/04/92 15:59
N01E
01997
16.4X
N02E
04727
6.9X
N03E
05782
5.7X
N04E
12804
2.6X
N05E
07003
4.7X
N06E
09683
3.4X
N07E
10198
3.2X
N08E
10963
3.0X
N09E
04322
7.6X
N10E
02145
15.3X
N11E
01157
28.3X
N12E
00786
41.7X
1.0
2
3

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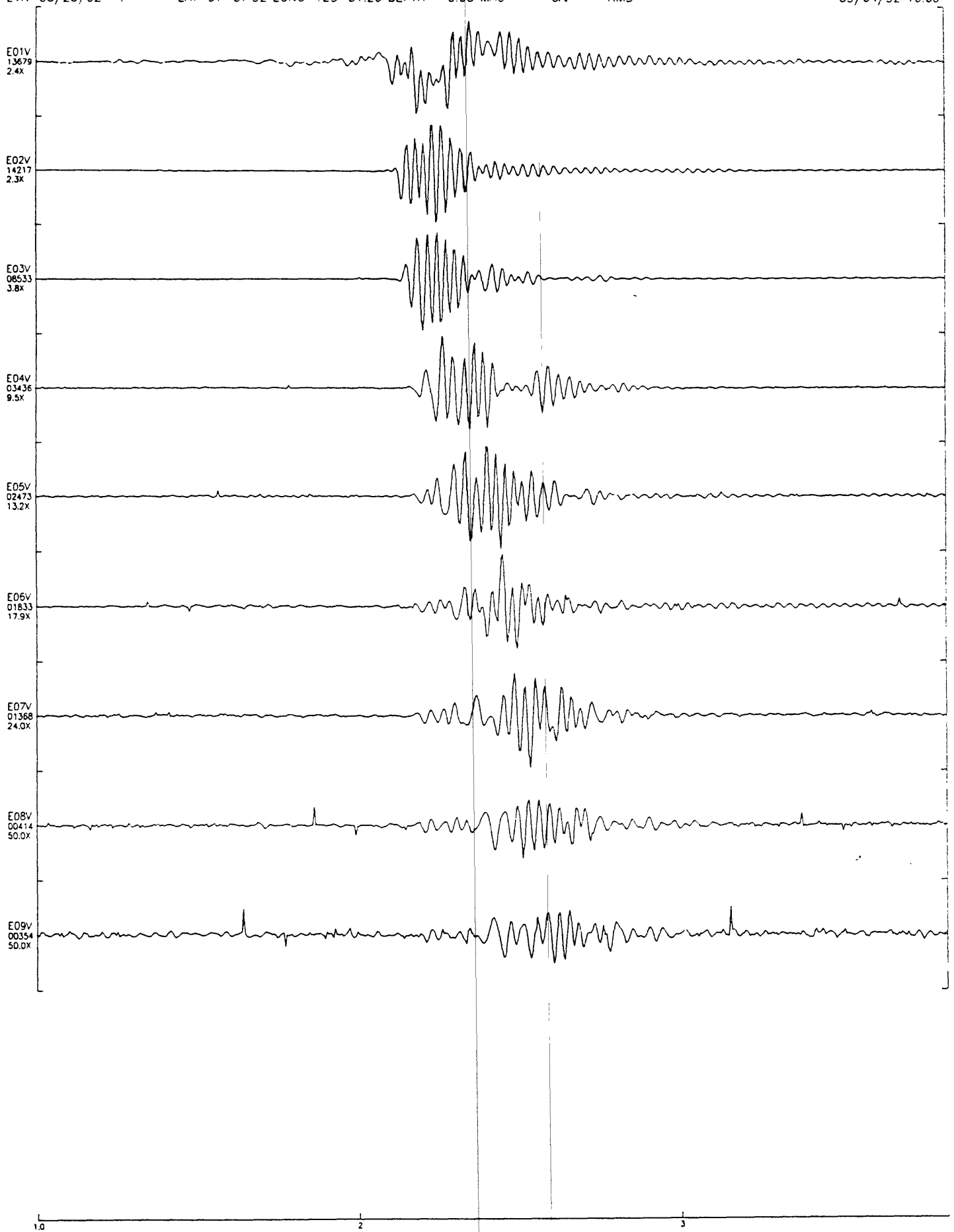

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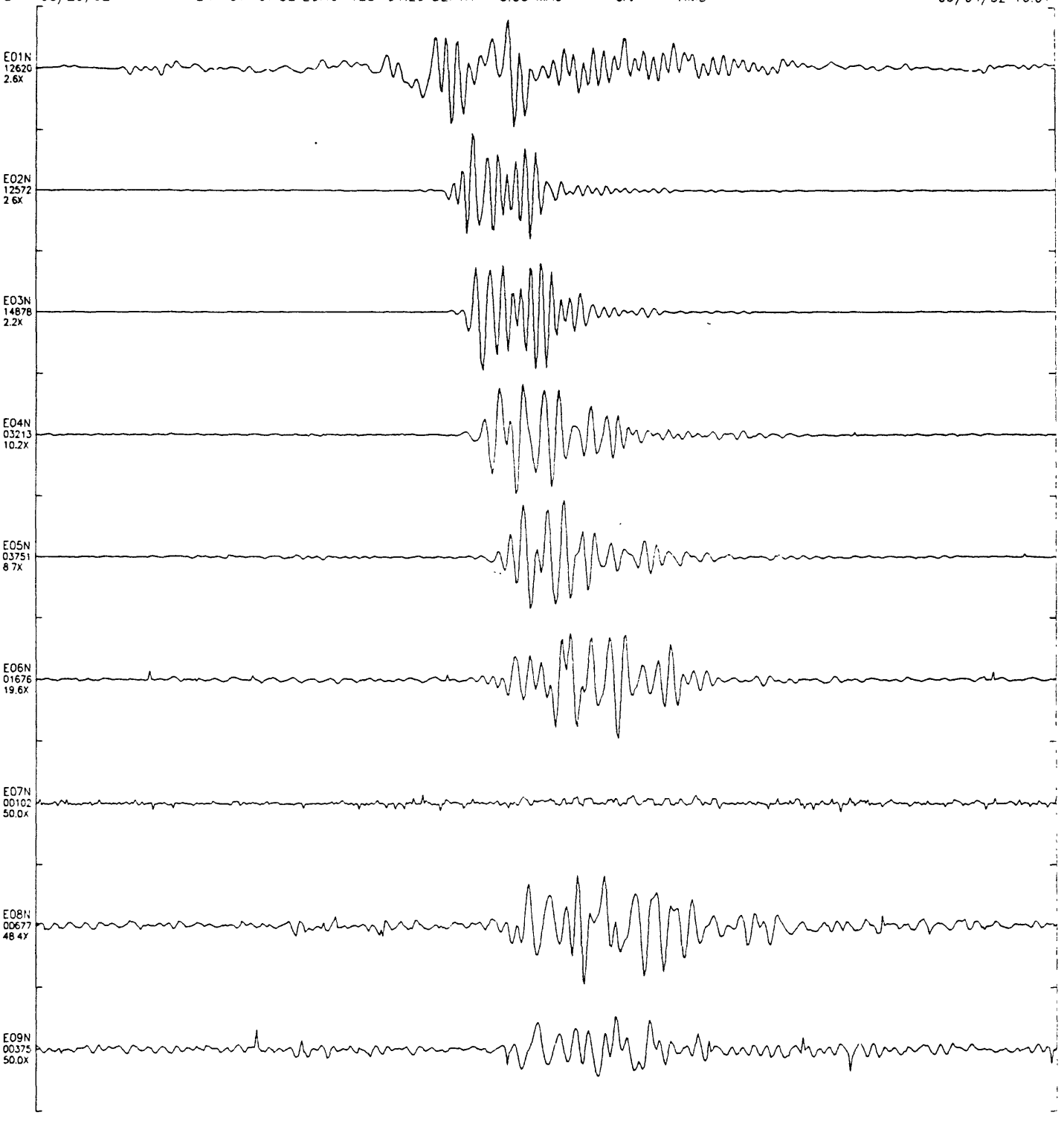

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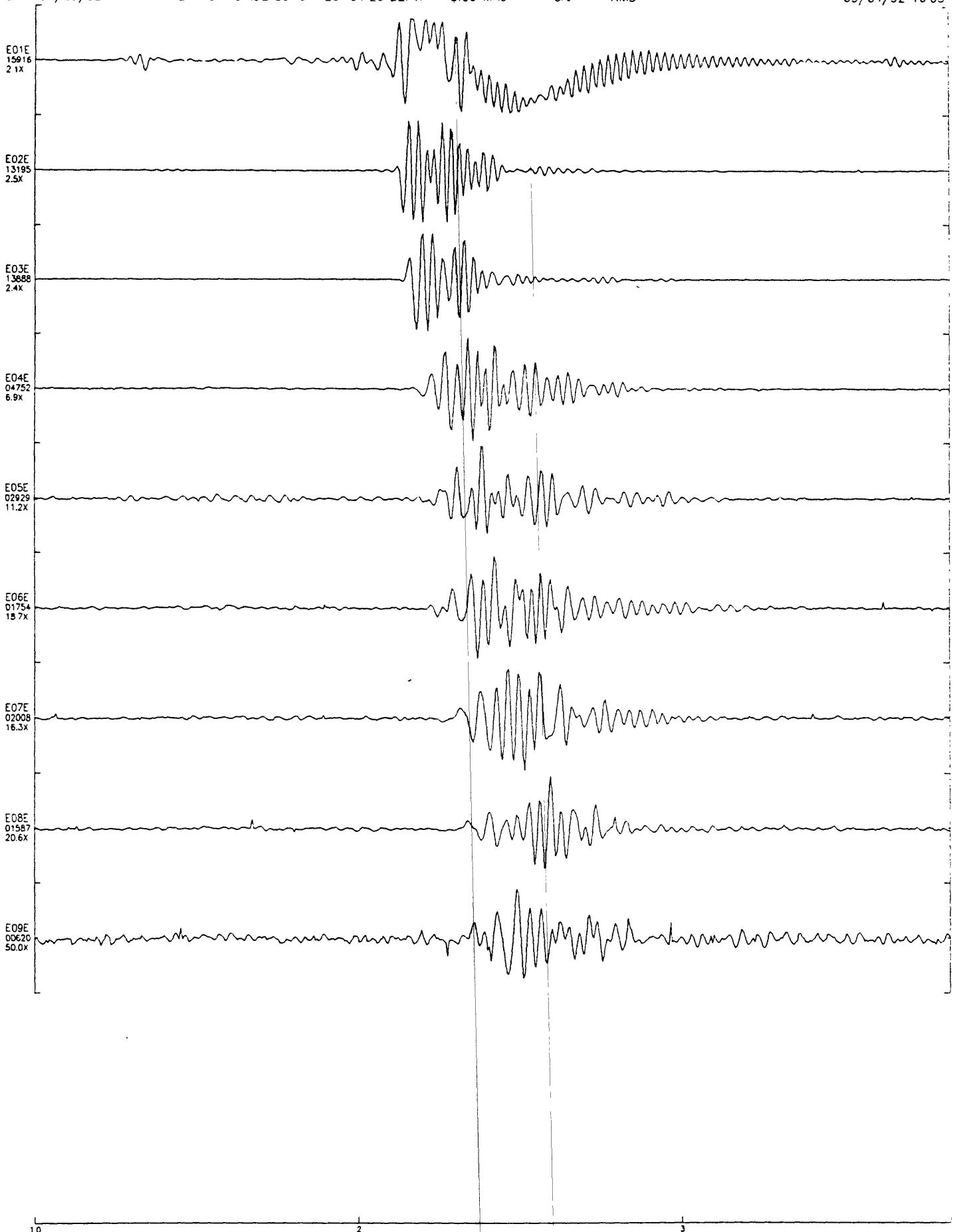
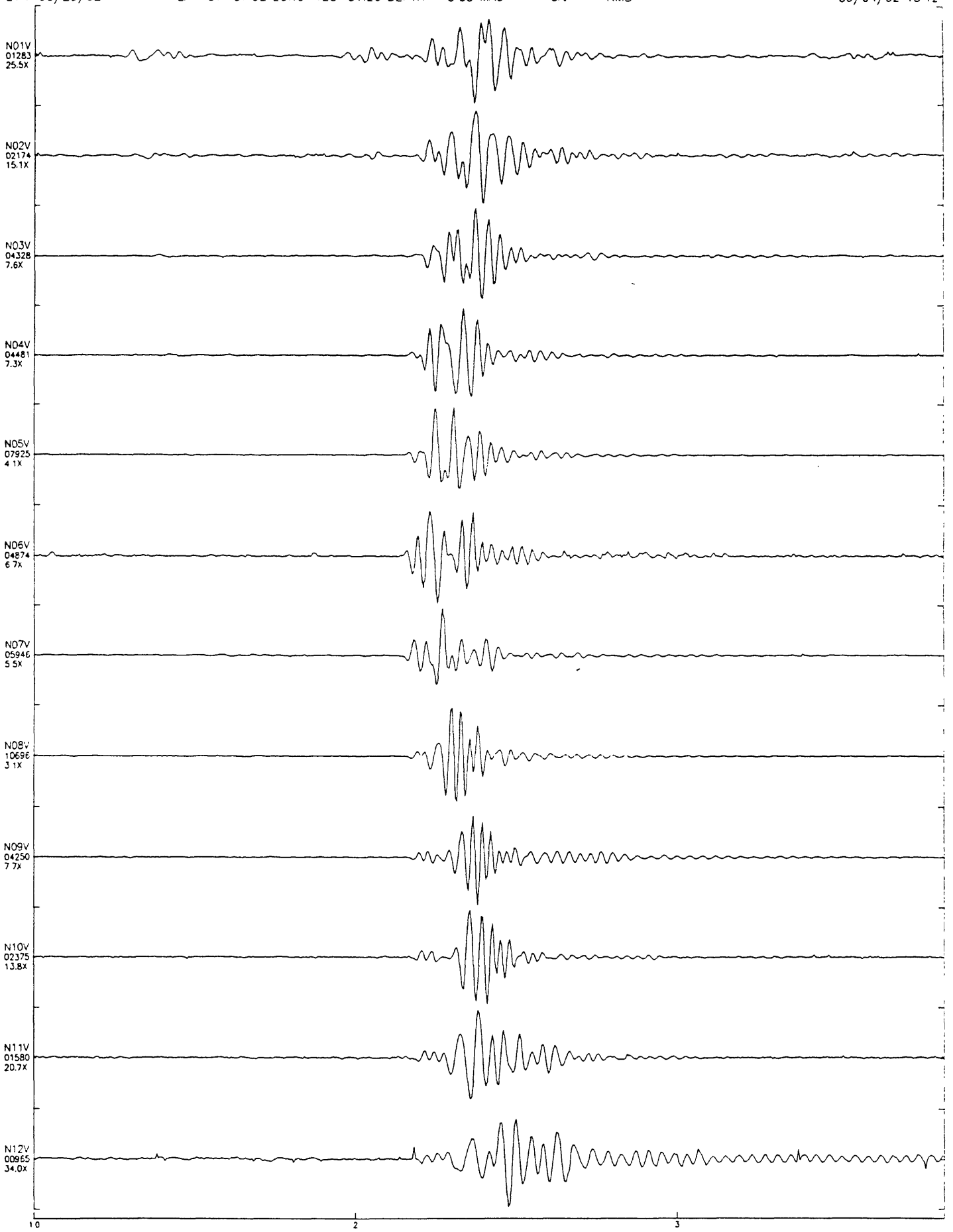
Sheet 1
09/04/92 16:03

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09/04/92 13 12
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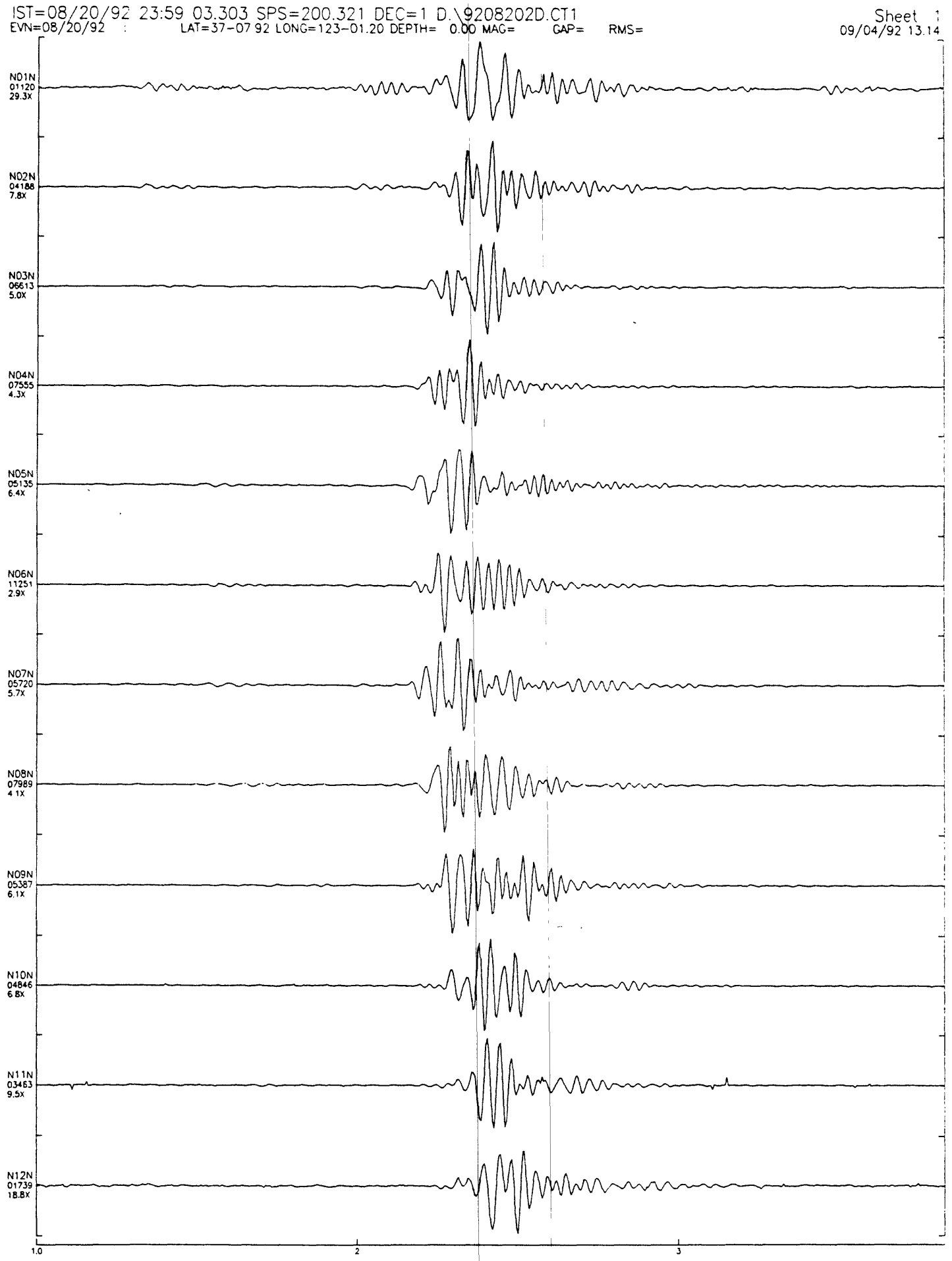
01283
25.5X
N02V
02174
15.1X
N03V
04328
7.6X
N04V
04481
7.3X
N05V
07925
4 1X
N06V
04874
6 7X
N07V
05946
5 5X
N08V
10696
3 1X
N09V
04250
7 7X
N10V
02375
13.8X
N11V
01580
20.7X
N12V
00965
34.0X
1 0
2
3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09/04/92 13.14
N01N
01120
29.3X
N02N
04188
7.8X
N03N
06613
5.0X
N04N
07555
4.3X
N05N
05135
6.4X
N06N
11251
2.9X
N07N
05720
5.7X
N08N
07989
4.1X
N09N
05387
6.1X
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04846
6.8X
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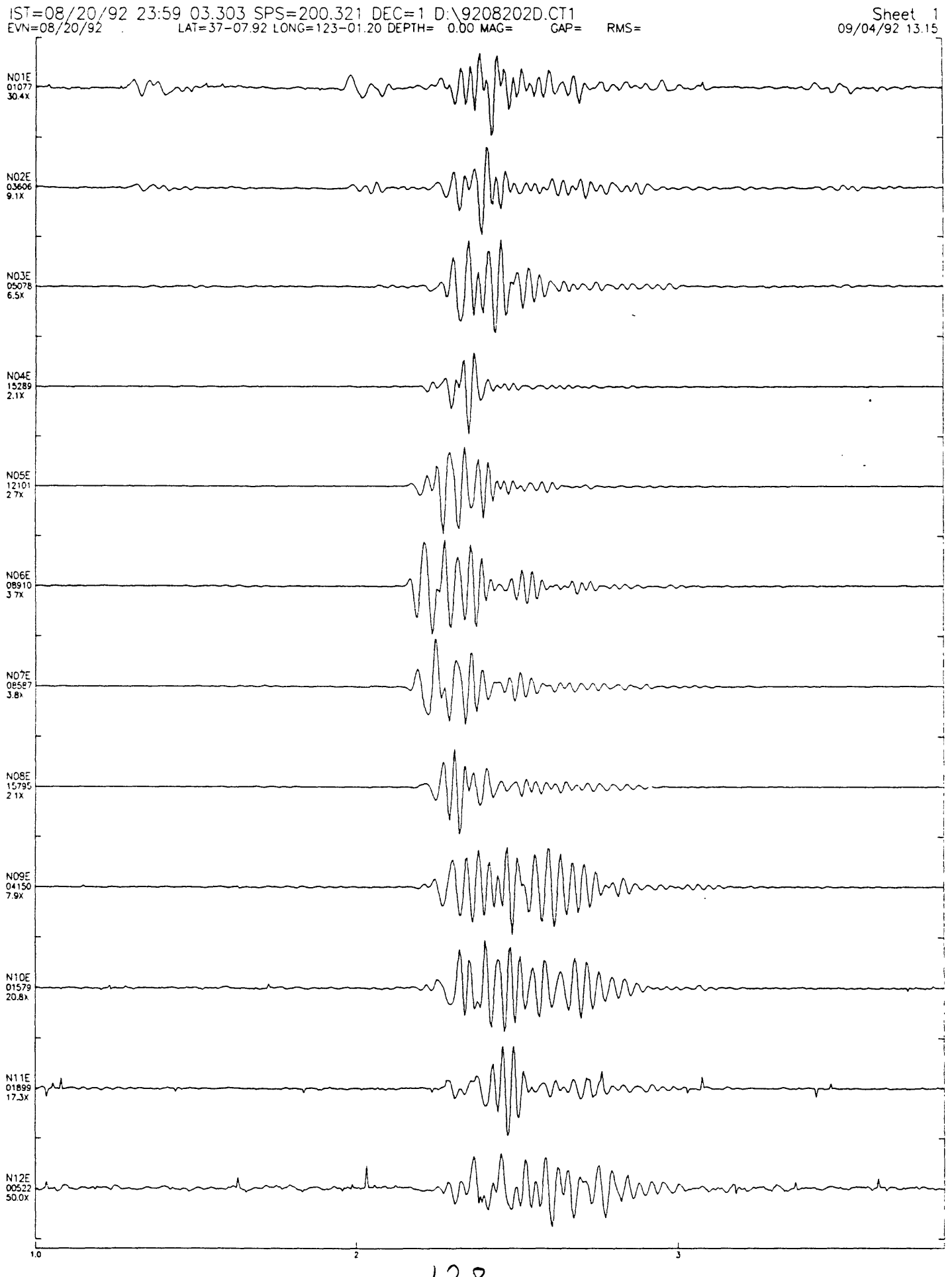
03463
9.5X
N12N
01739
18.8X
1.0
2
3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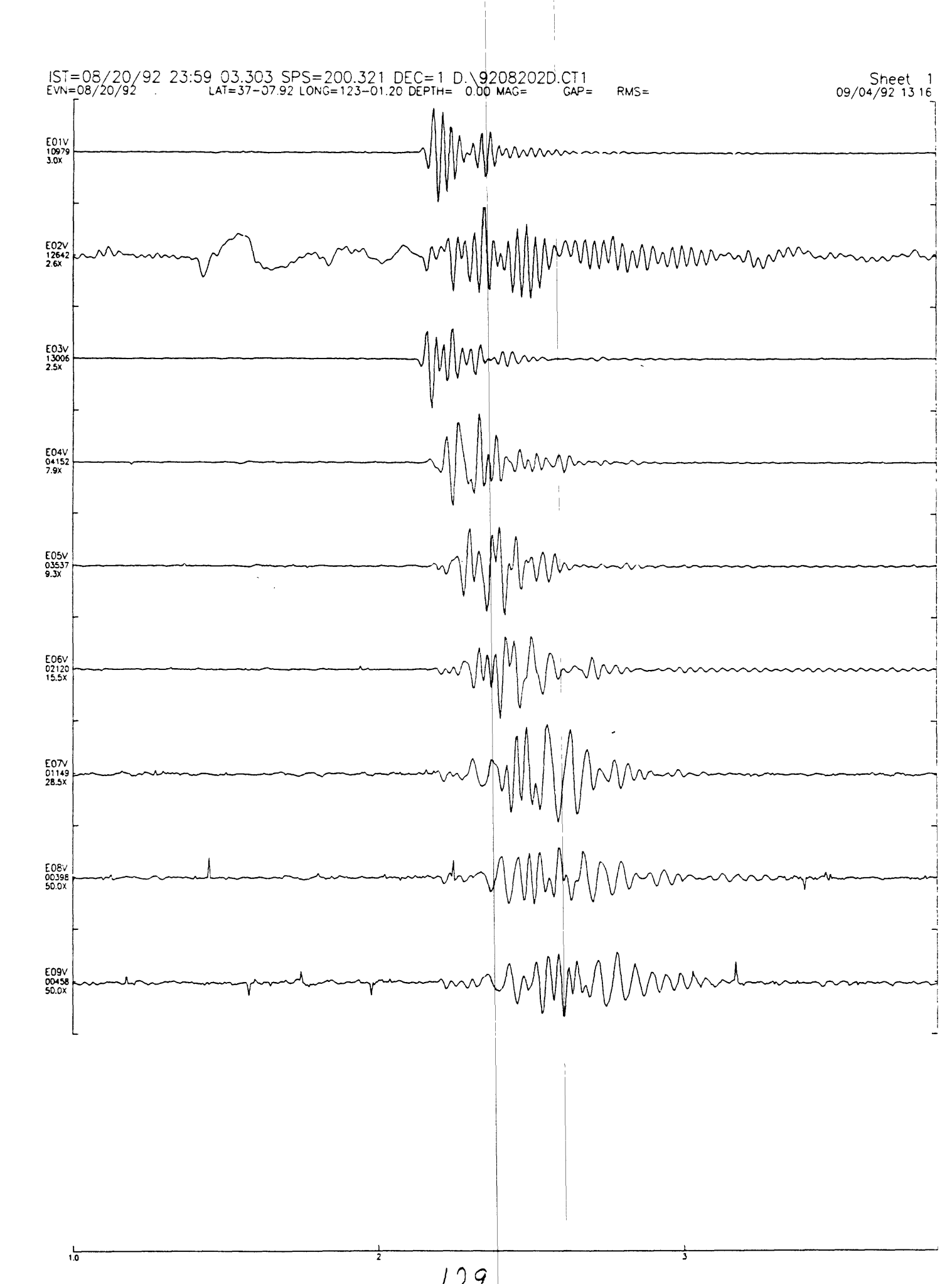
Sheet 1
09/04/92 13.15
N01E
01077
30.4x
N02E
03606
9.1x
N03E
05078
6.5x
N04E
15289
2.1x
N05E
12101
2.7x
N06E
08910
3.7x
N07E
08587
3.8x
N08E
15795
2.1x
N09E
04150
7.9x
N10E
01579
20.8x
N11E
01899
17.3x
N12E
00522
50.0x
1.0
2
3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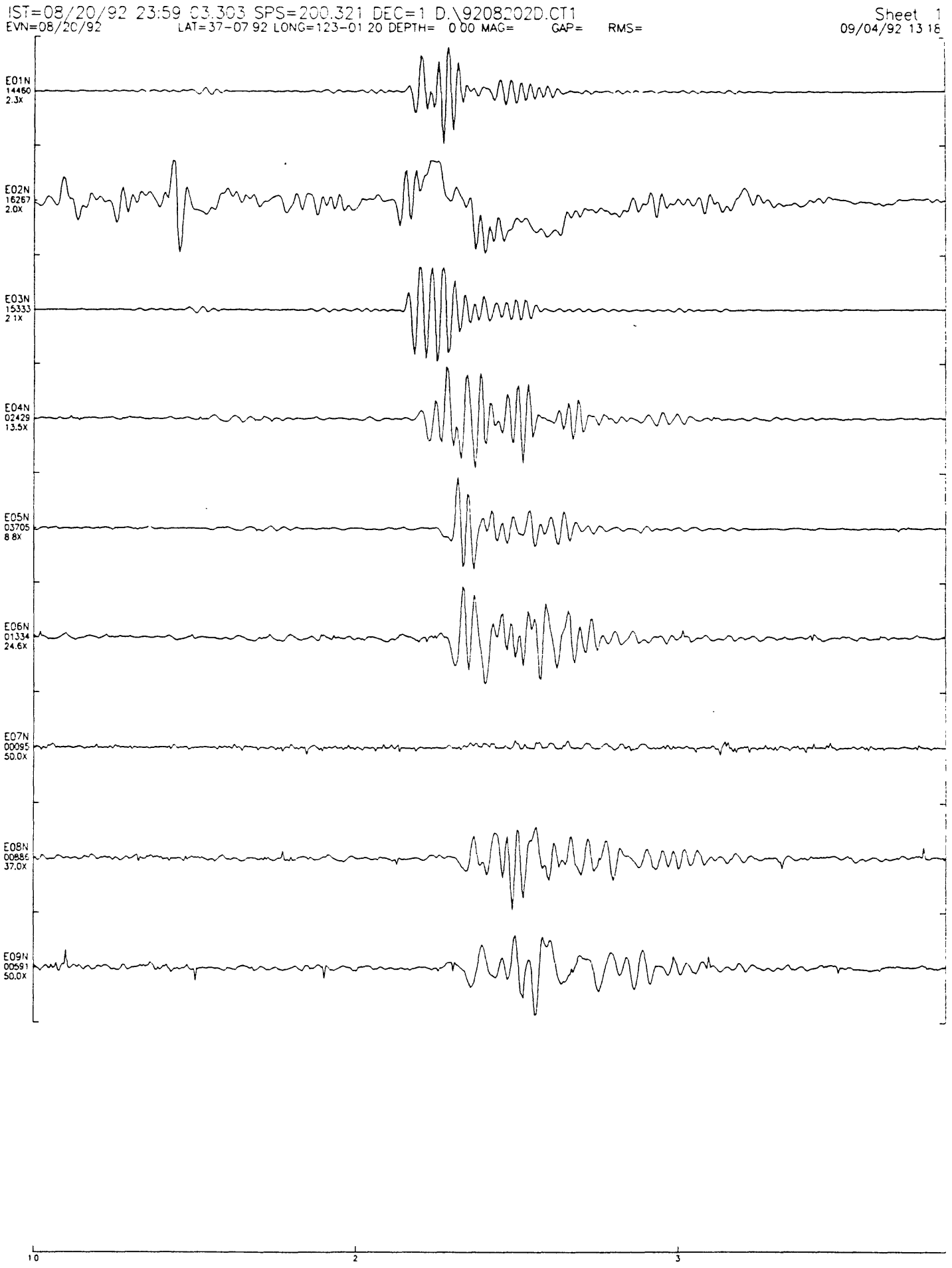
Sheet 1
09/04/92 13 16
E01V
10979
3.0x
E02V
12642
2.6x
E03V
13006
2.5x
E04V
04152
7.9x
E05V
03537
9.3x
E06V
02120
15.5x
E07V
01149
28.5x
E08V
00398
50.0x
E09V
00458
50.0x
1.0
2
3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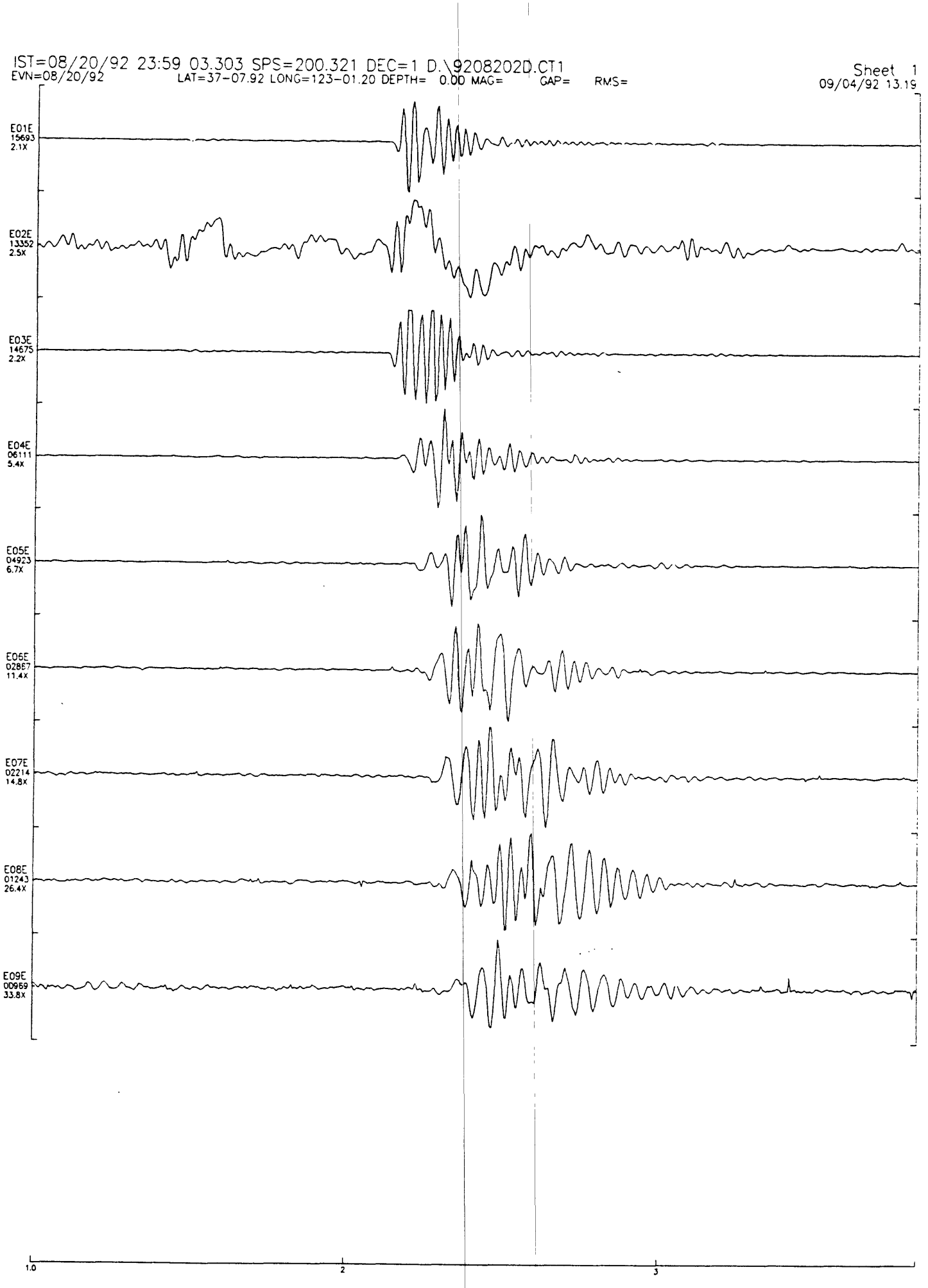
Sheet 1
09/04/92 13 18
E01N
14460
2.3x
E02N
16267
2.0x
E03N
15333
2.1x
E04N
02429
13.5x
E05N
03705
8.8x
E06N
01334
24.6x
E07N
00095
50.0x
E08N
00886
37.0x
E09N
00591
50.0x
1.0
2
3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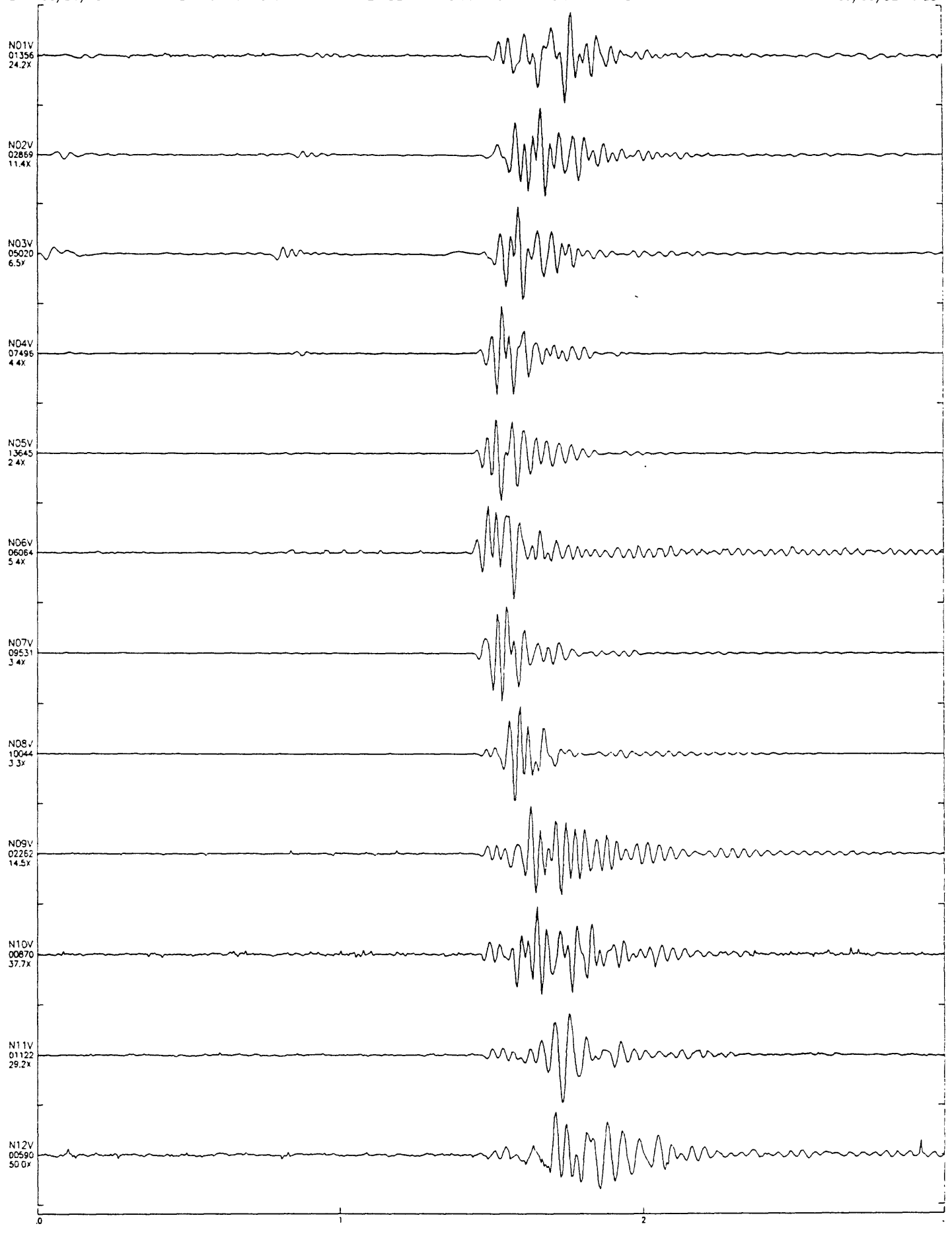
09/04/92 13.19
E01E
15693
2.1X
E02E
13352
2.5X
E03E
14675
2.2X
E04E
06111
5.4X
E05E
04923
6.7X
E06E
02887
11.4X
E07E
02214
14.8X
E08E
01243
26.4X
E09E
00969
33.8X
1.0
2
3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Sheet 1
09/03/92 19 22
N01V
01356
24.2x
N02V
02869
11.4x
N03V
05020
6.5x
N04V
07496
4.4x
N05V
13645
2.4x
N06V
06064
5.4x
N07V
09531
3.4x
N08V
10044
3.3x
N09V
02262
14.5x
N10V
00870
37.7x
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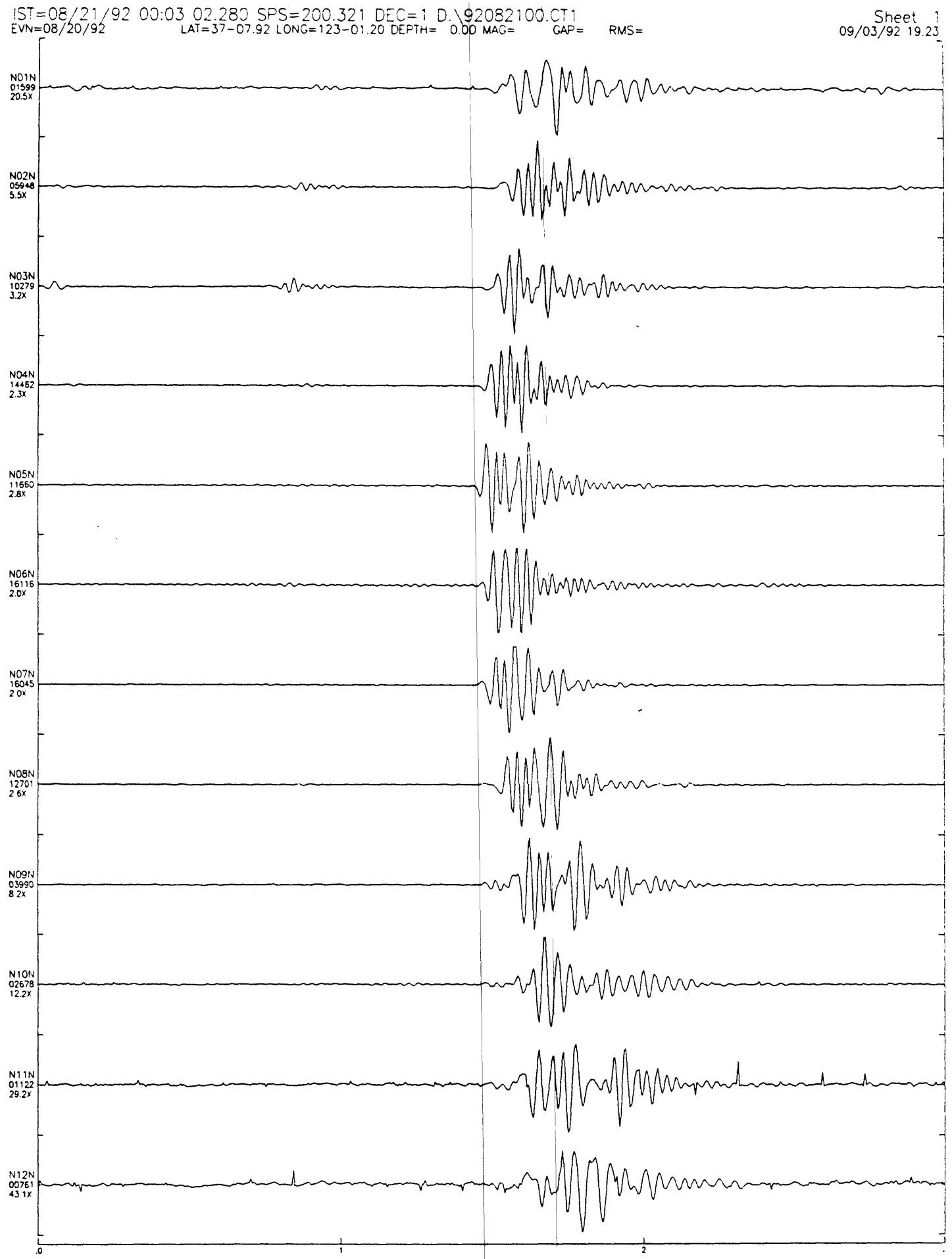
01122
29.2x
N12V
00590
50.0x
.0
1
2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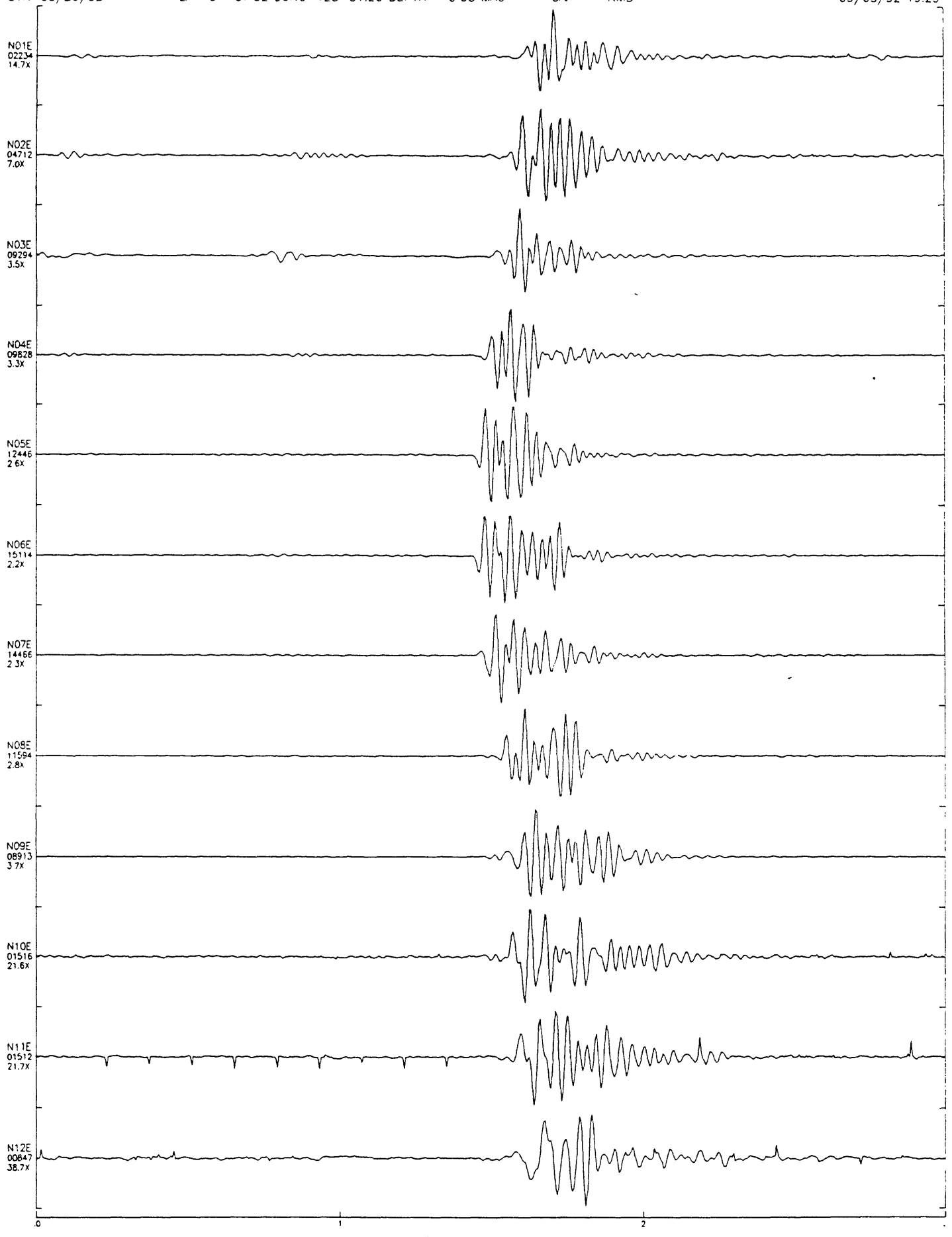
Sheet 1
09/03/92 19.23
N01N
01599
20.5x
N02N
05948
5.5x
N03N
10279
3.2x
N04N
14462
2.3x
N05N
11660
2.8x
N06N
16116
2.0x
N07N
16045
2.0x
N08N
12701
2.6x
N09N
03990
8.2x
N10N
02678
12.2x
N11N
01122
29.2x
N12N
00761
43.1x
.0
1
2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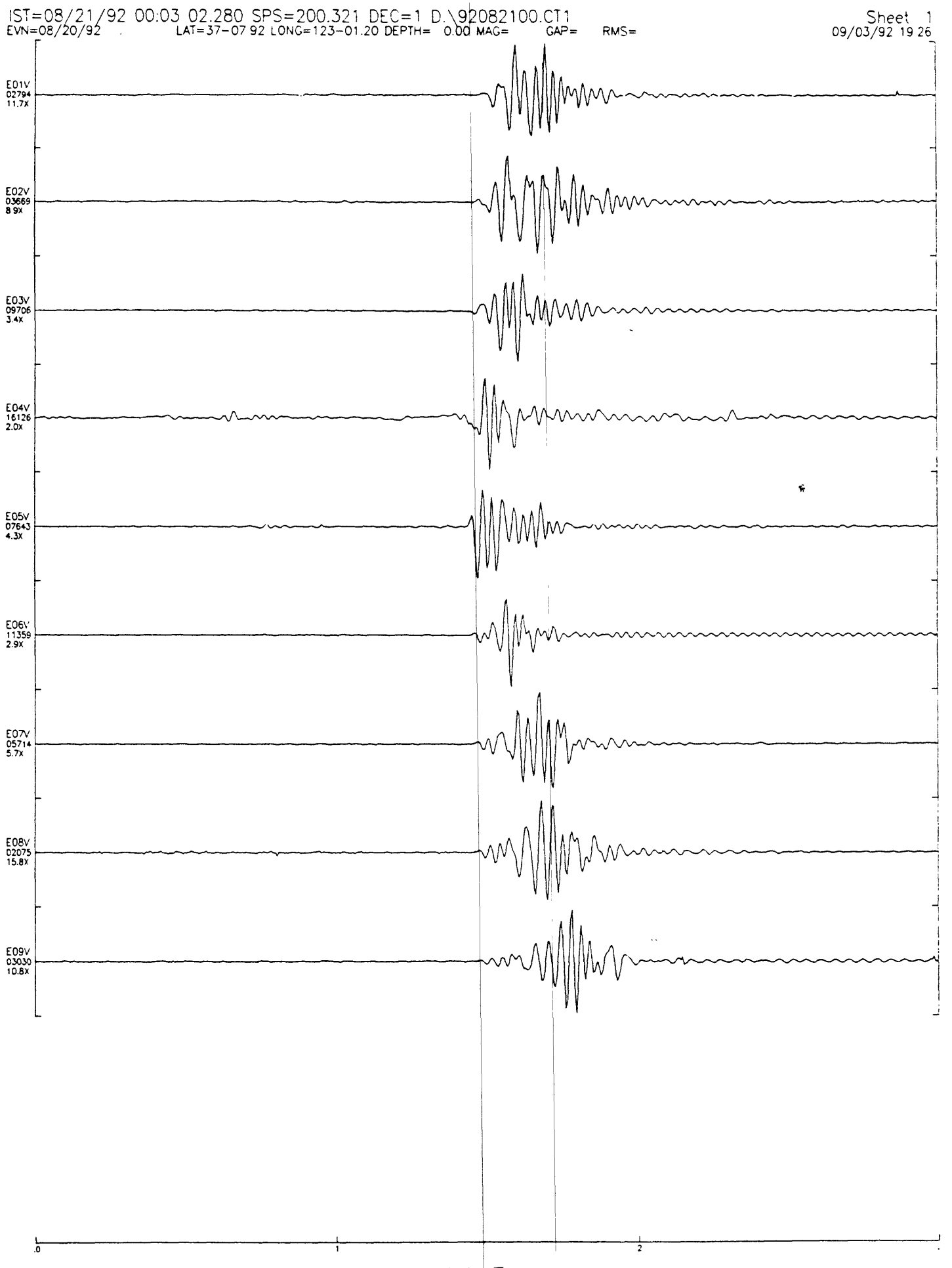
Sheet 1
09/03/92 19.25
N01E
02234
14.7x
N02E
04712
7.0x
N03E
09294
3.5x
N04E
09828
3.3x
N05E
12446
2 6x
N06E
15114
2.2x
N07E
14466
2 3x
N08E
11594
2.8x
N09E
08913
3 7x
N10E
01516
21.6x
N11E
01512
21.7x
N12E
00847
38.7x
0
1
2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Sheet 1
09/03/92 19 26
E01V
02794
11.7X
E02V
03669
8.9X
E03V
09706
3.4X
E04V
16126
2.0X
E05V
07643
4.3X
E06V
11359
2.9X
E07V
05714
5.7X
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02075
15.8X
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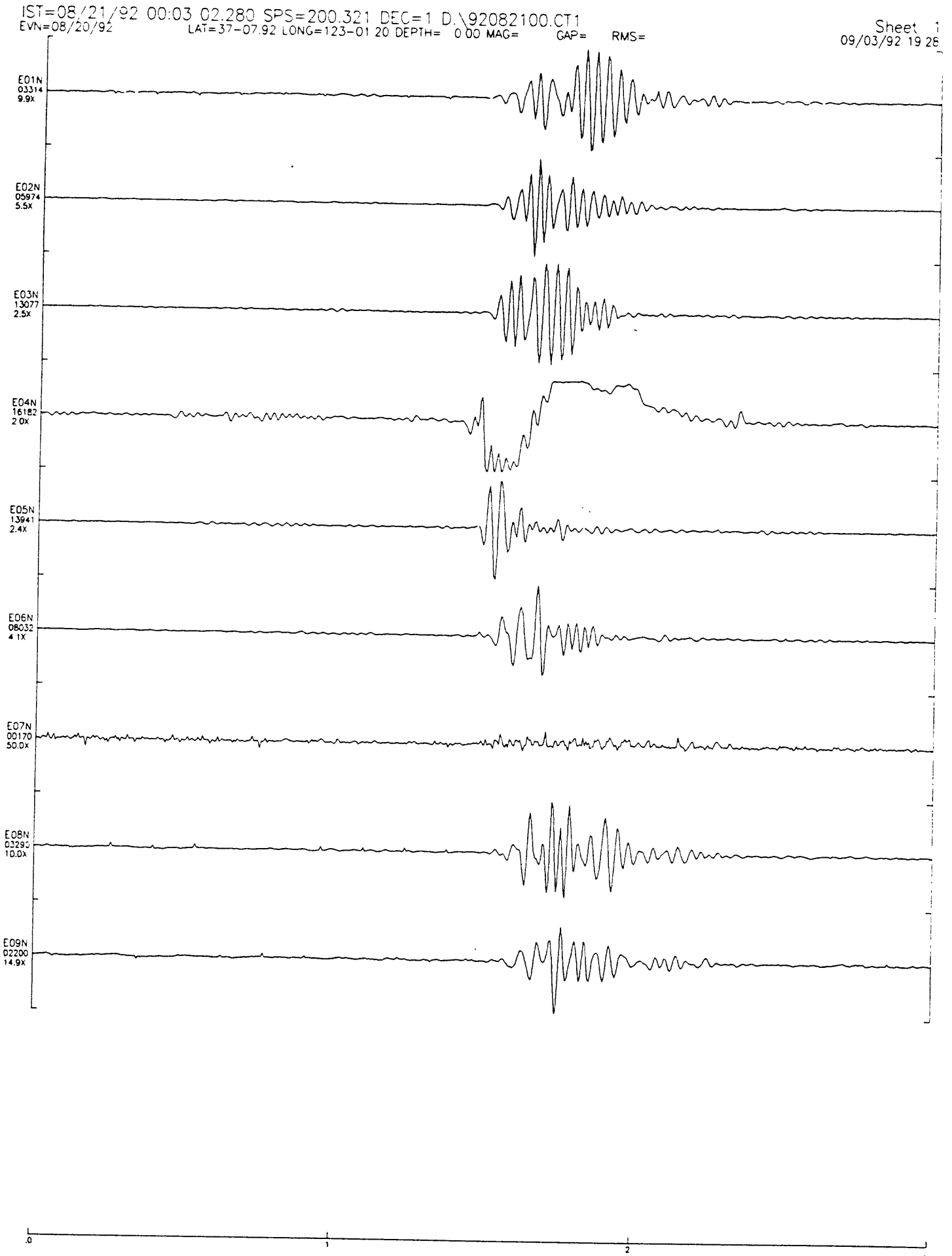
03030
10.8X
.0
1
2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Sheet 1
09/03/92 19 28
E01N
03314
9.9X
E02N
05974
5.5X
E03N
13077
2.5X
E04N
16182
2 0X
E05N
13941
2.4X
E06N
08032
4 1X
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50.0X
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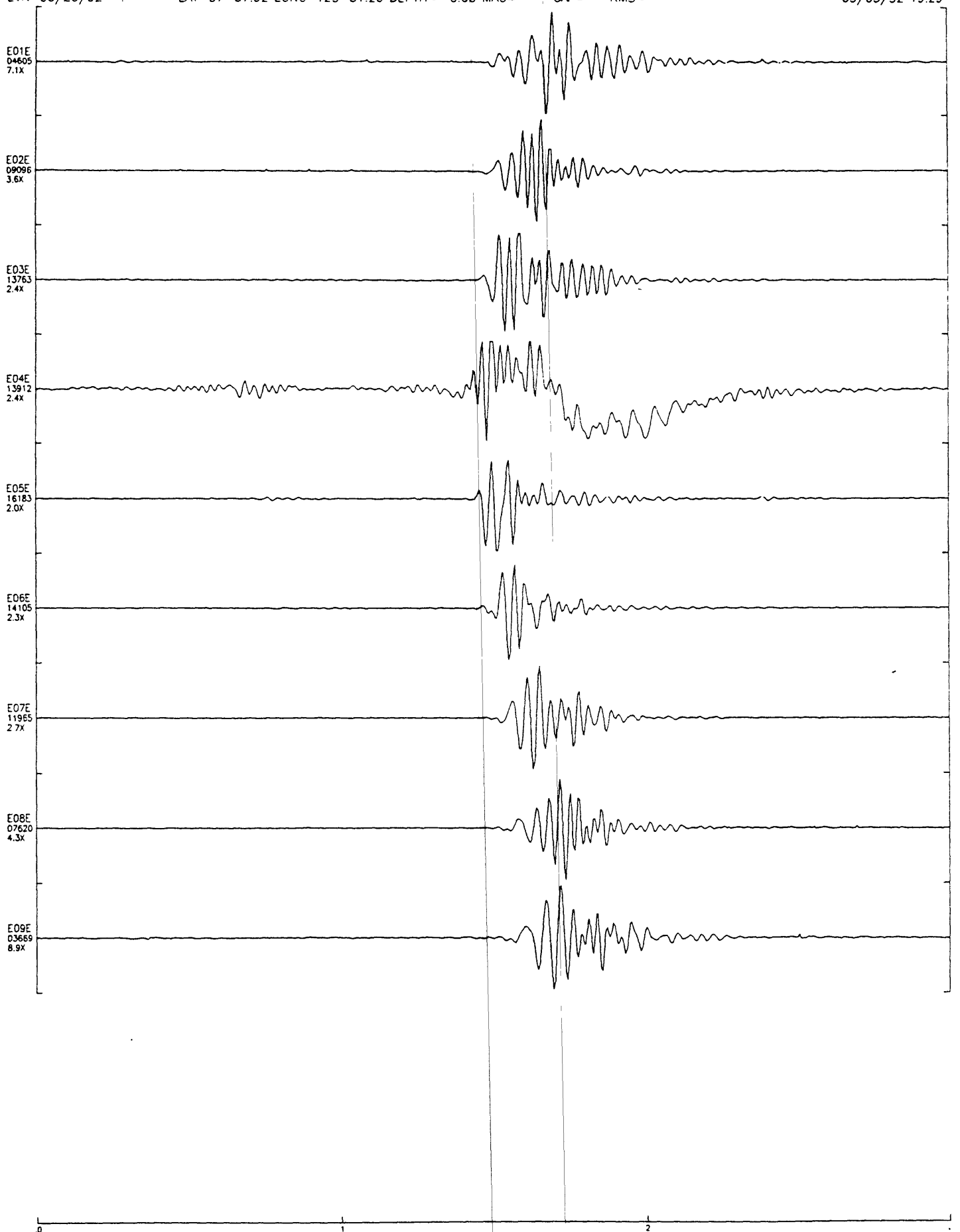
03290
10.0X
E09N
02200
14.9X
.0
1
2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Sheet 1
09/03/92 19.29
E01E
04605
7.1X
E02E
09096
3.6X
E03E
13763
2.4X
E04E
13912
2.4X
E05E
16183
2.0X
E06E
14105
2.3X
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11965
2.7X
E08E
07620
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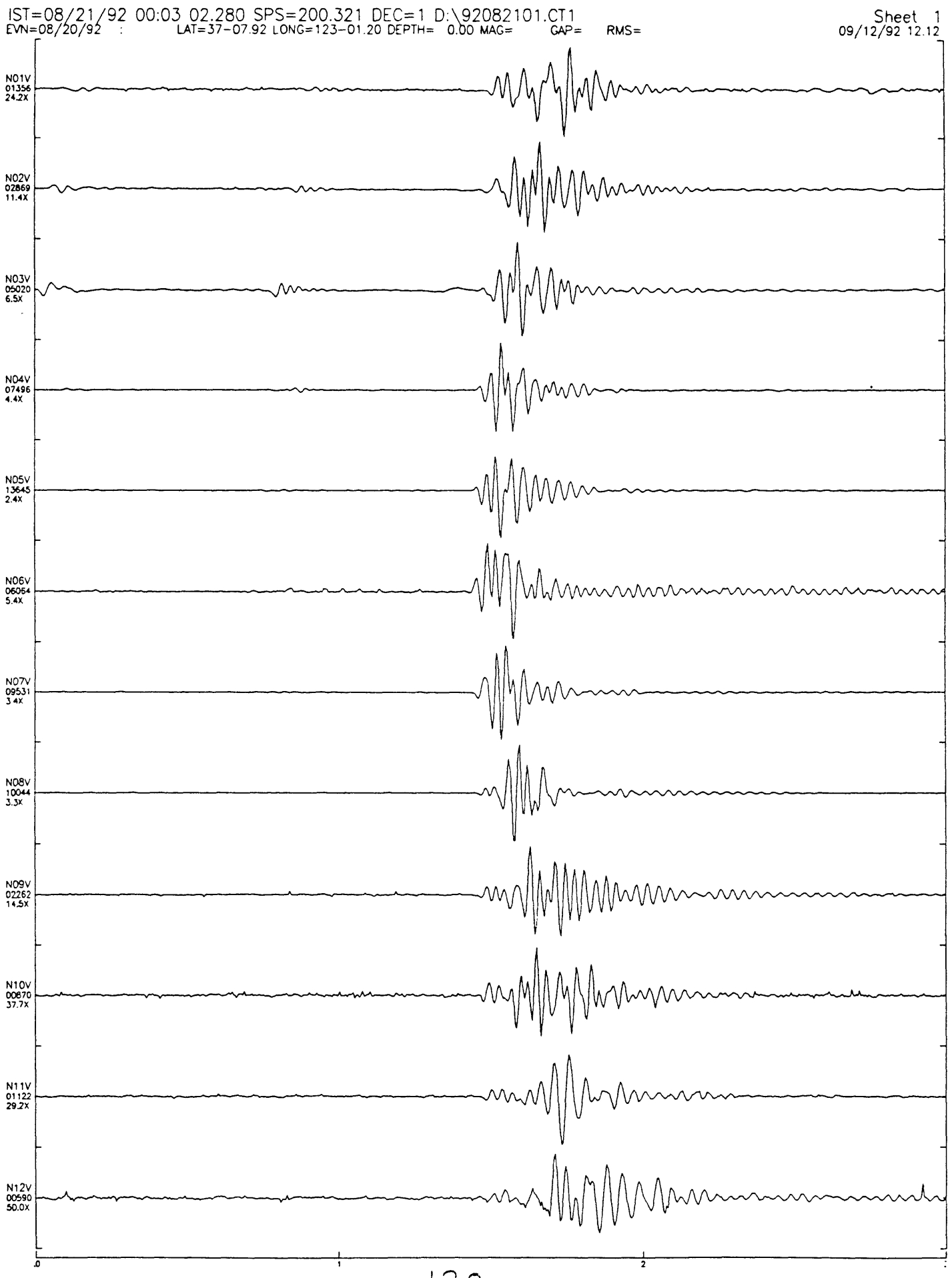
E09E
03669
8.9X
.0
1
2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Sheet 1
09/12/92 12.12
N01V
01356
24.2X
N02V
02869
11.4X
N03V
05020
6.5X
N04V
07496
4.4X
N05V
13645
2.4X
N06V
06064
5.4X
N07V
09531
3.4X
N08V
10044
3.3X
N09V
02262
14.5X
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37.7X
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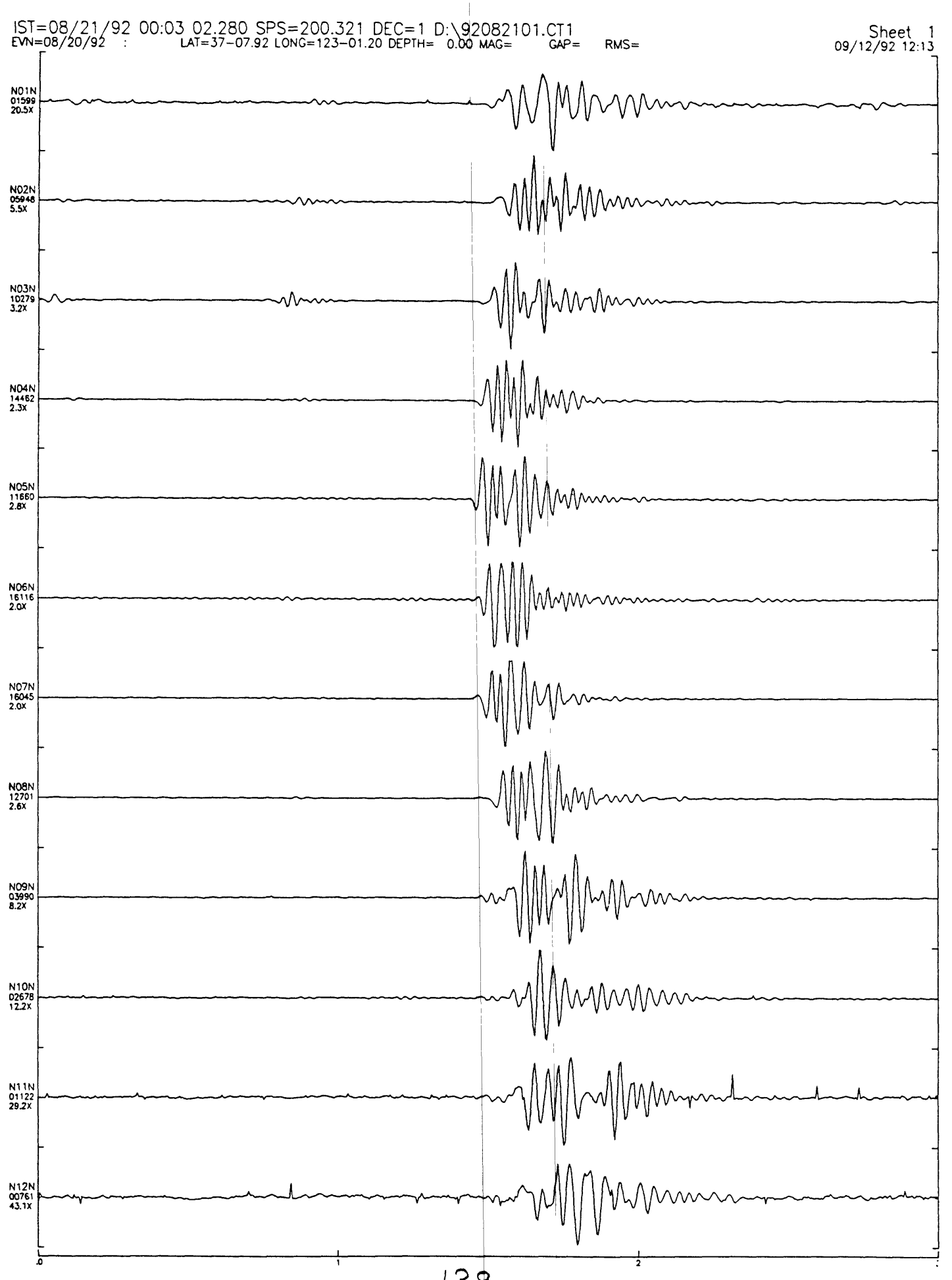
1
2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Sheet 1
09/12/92 12:13
N01N
01599
20.5X
N02N
05948
5.5X
N03N
10279
3.2X
N04N
14462
2.3X
N05N
11660
2.8X
N06N
16116
2.0X
N07N
16045
2.0X
N08N
12701
2.6X
N09N
03990
8.2X
N10N
02678
12.2X
N11N
01122
29.2X
N12N
00761
43.1X
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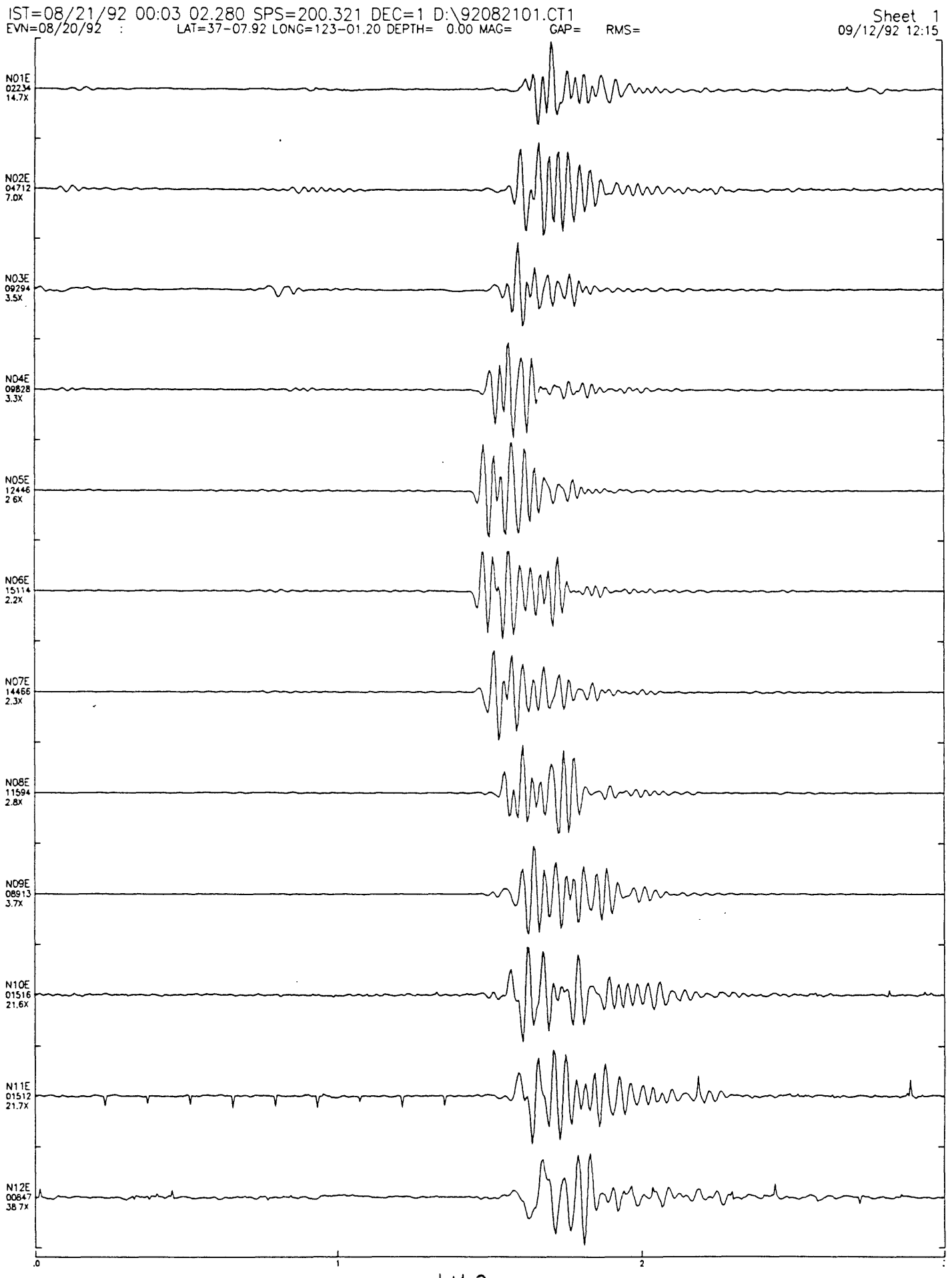
1
2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Sheet 1
09/12/92 12:15
N01E
02234
14.7X
N02E
04712
7.0X
N03E
09294
3.5X
N04E
09828
3.3X
N05E
12446
2.6X
N06E
15114
2.2X
N07E
14466
2.3X
N08E
11594
2.8X
N09E
08913
3.7X
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01516
21.6X
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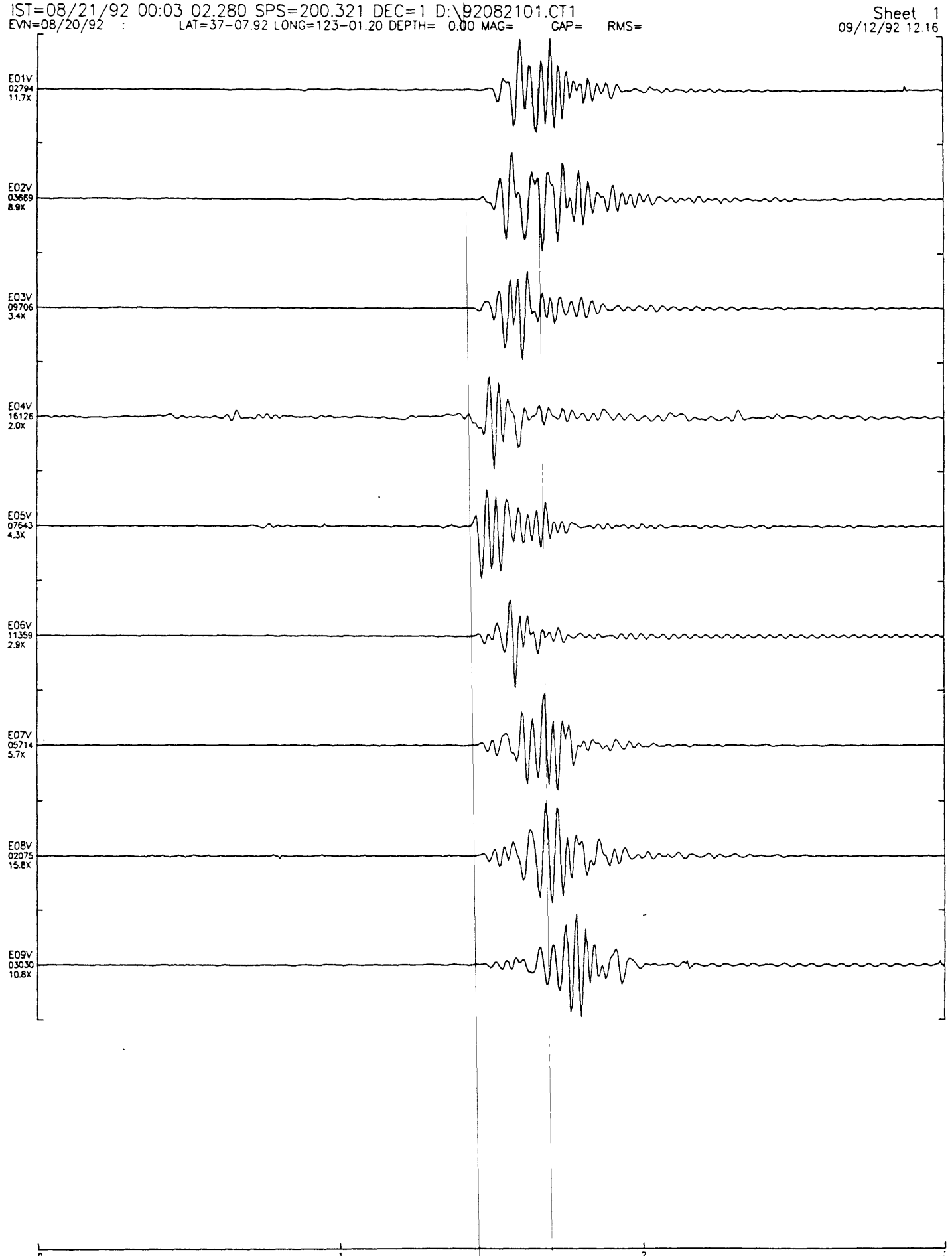
01512
21.7X
N12E
00847
38.7X
0
1
2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Sheet 1
09/12/92 12.16
E01V
02794
11.7X
E02V
03669
8.9X
E03V
09706
3.4X
E04V
16126
2.0X
E05V
07643
4.3X
E06V
11359
2.9X
E07V
05714
5.7X
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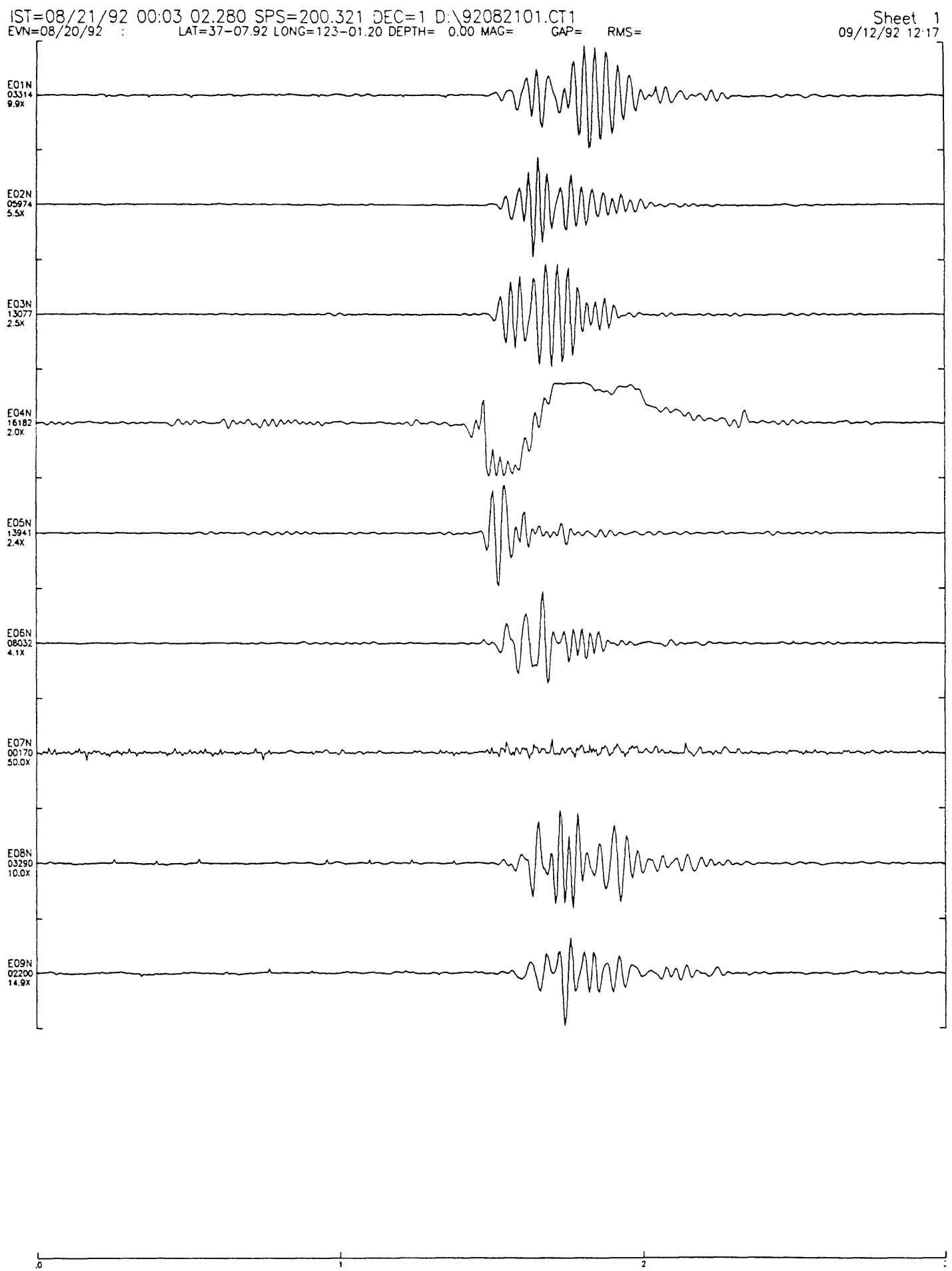
15.8X
E09V
03030
10.8X
0
1
2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Sheet 1
09/12/92 12:17
E01N
03314
9.9X
E02N
05974
5.5X
E03N
13077
2.5X
E04N
16182
2.0X
E05N
13941
2.4X
E06N
08032
4.1X
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00170
50.0X
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03290
10.0X
E09N
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14.9X
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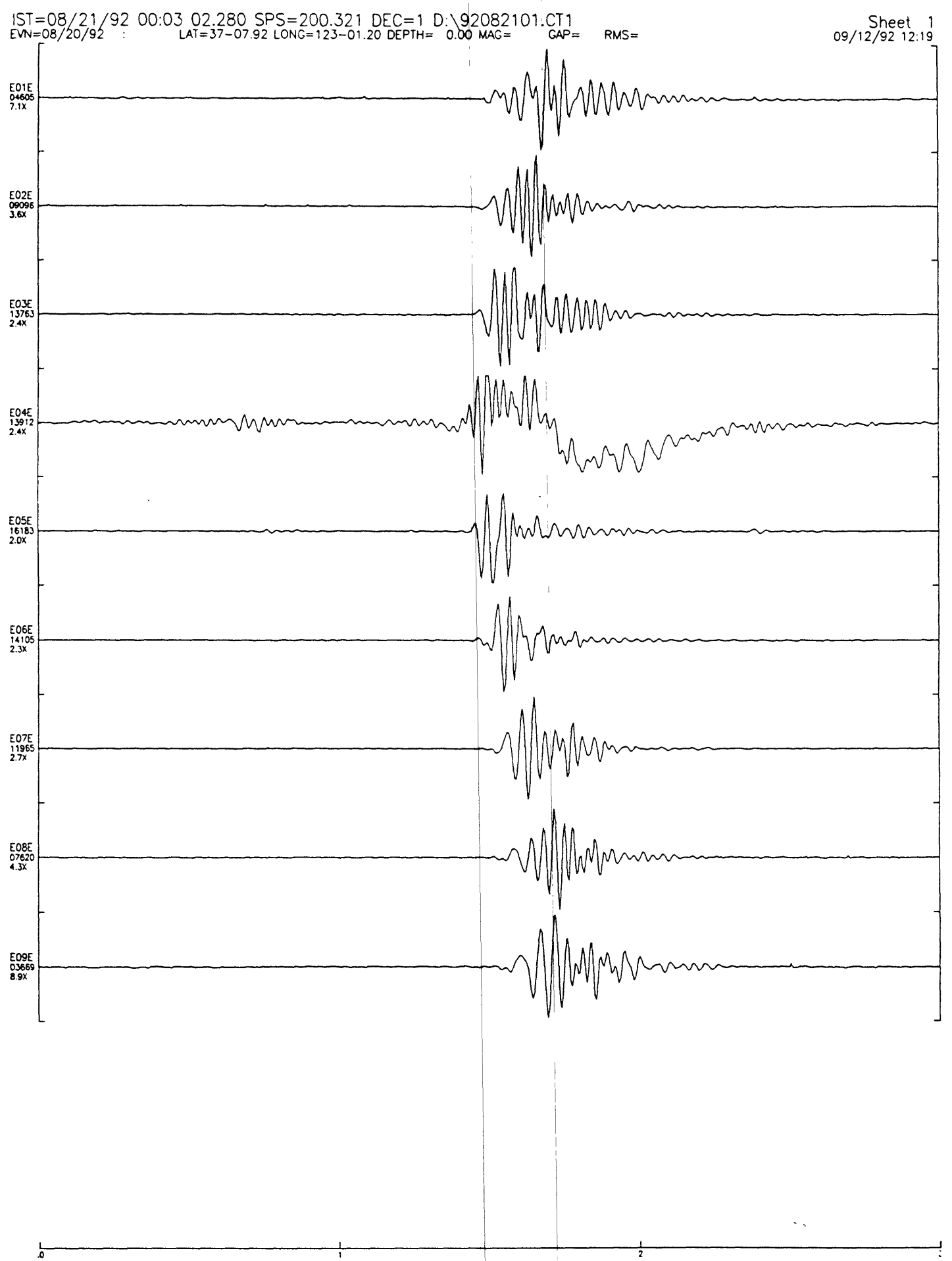
1
2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Sheet 1
09/12/92 12:19
E01E
04605
7.1X
E02E
09096
3.6X
E03E
13763
2.4X
E04E
13912
2.4X
E05E
16183
2.0X
E06E
14105
2.3X
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8.9X
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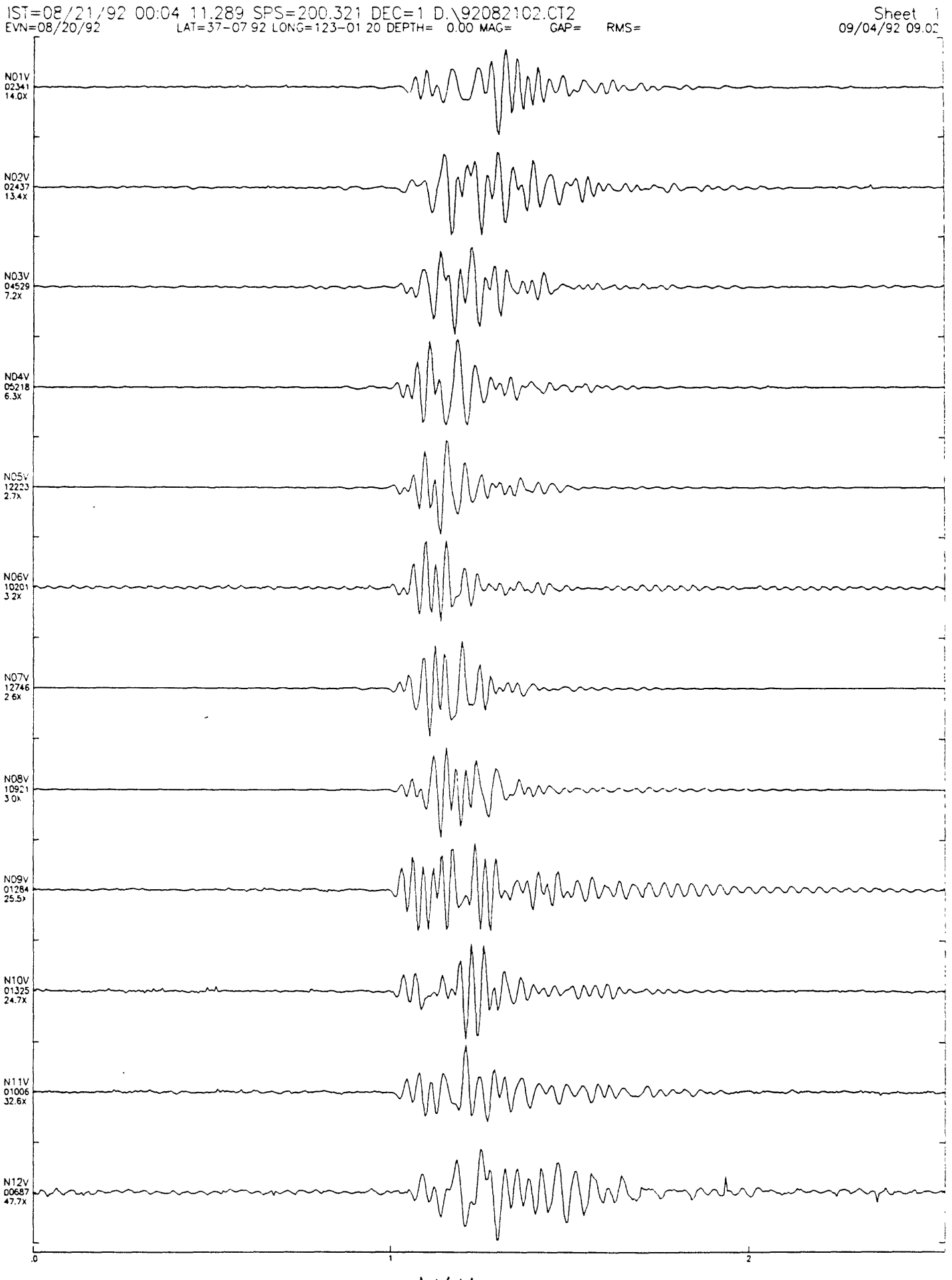
1
2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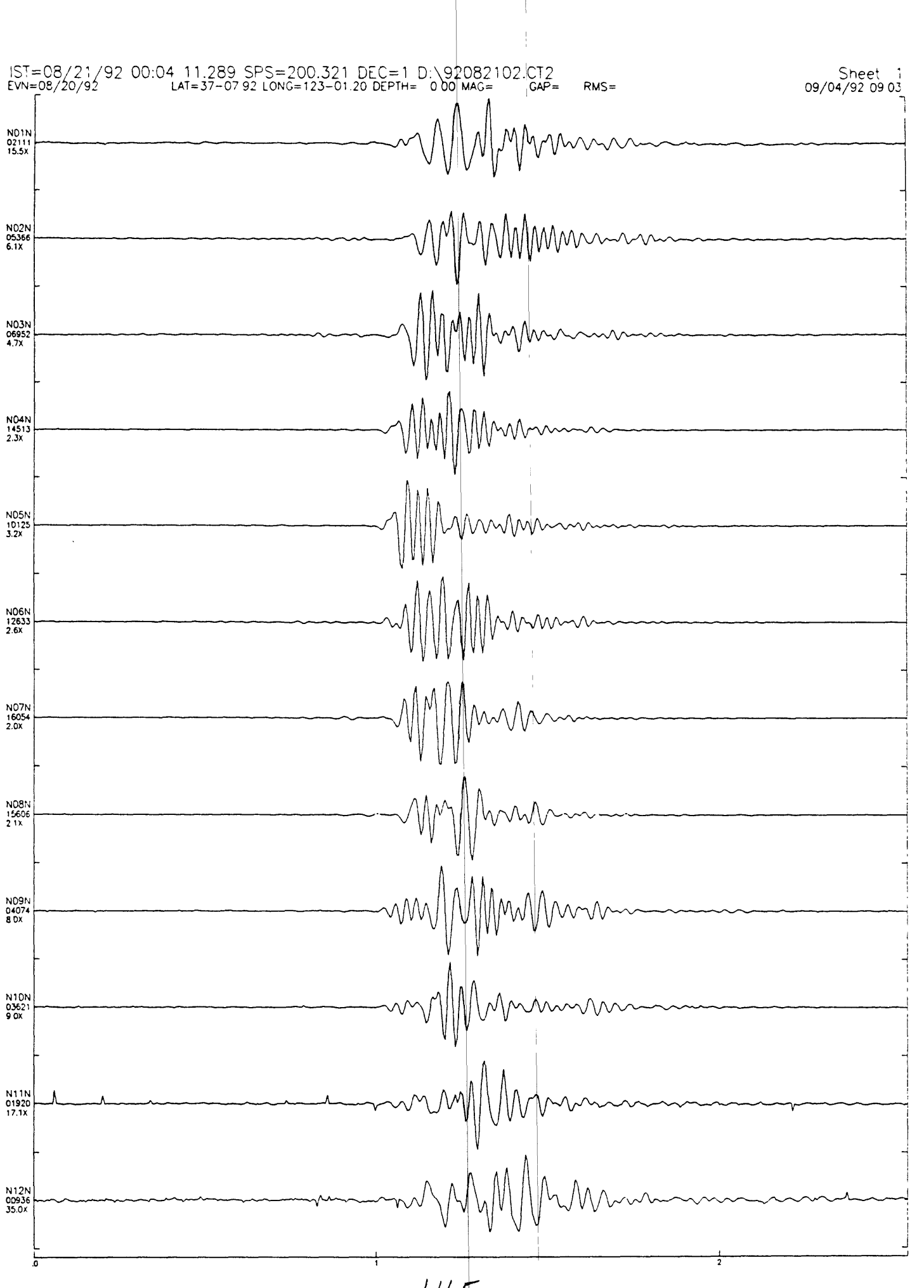
N02V 02437 13.4x
N03V 04529 7.2x
N04V 05218 6.3x
N05V 12203 2.7x
N06V 10201 3.2x
N07V 12746 2.6x
N08V 10921 3.0x
N09V 01284 25.5x
N10V 01325 24.7x
N11V 01006 32.6x
N12V 00687 47.7x
.0
1
2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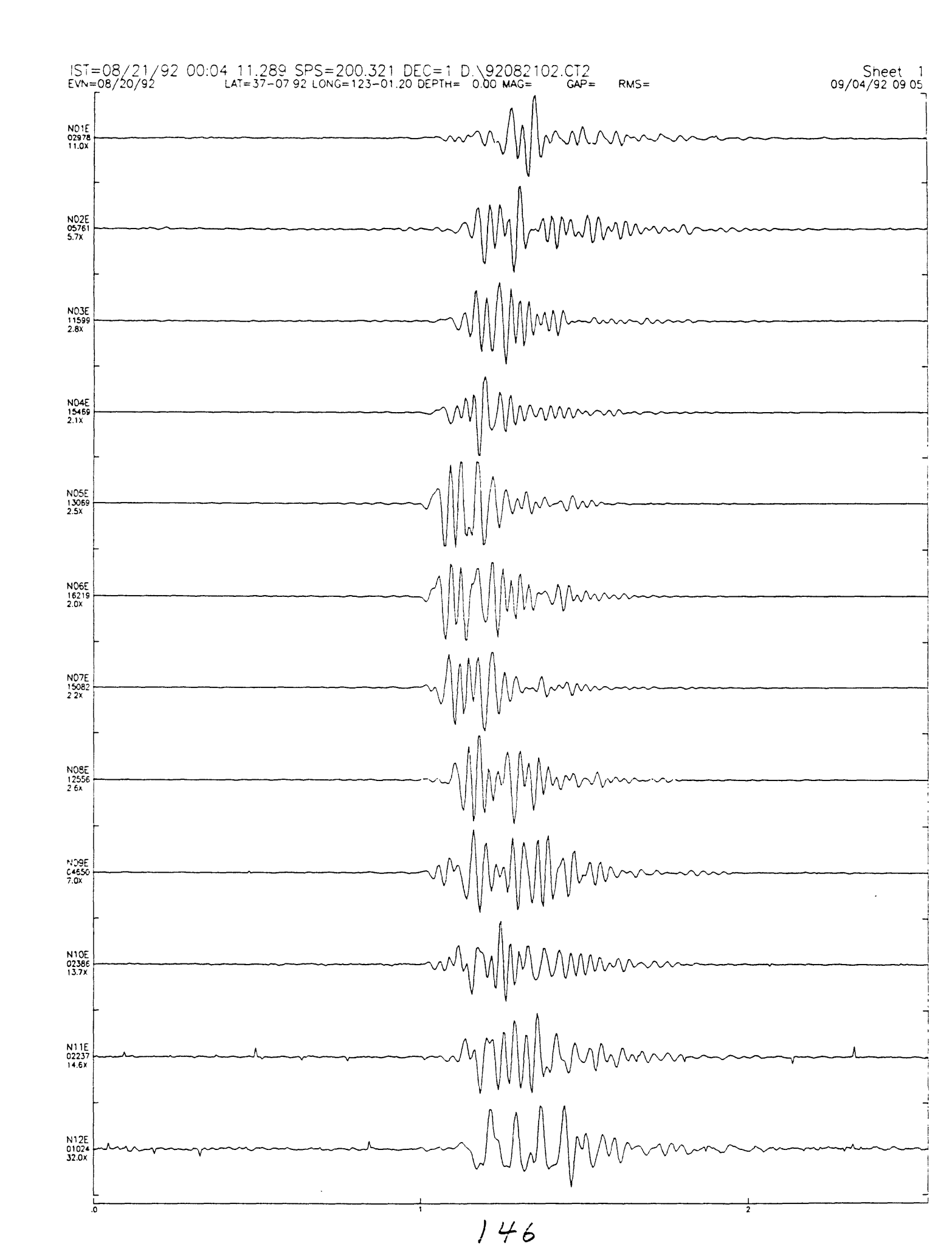
02111
15.5x
N02N
05366
6.1x
N03N
06952
4.7x
N04N
14513
2.3x
N05N
10125
3.2x
N06N
12633
2.6x
N07N
16054
2.0x
N08N
15606
2.1x
N09N
04074
8.0x
N10N
03621
9.0x
N11N
01920
17.1x
N12N
00936
35.0x
.0
1
2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GAP=
RMS=
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09/04/92 09 05
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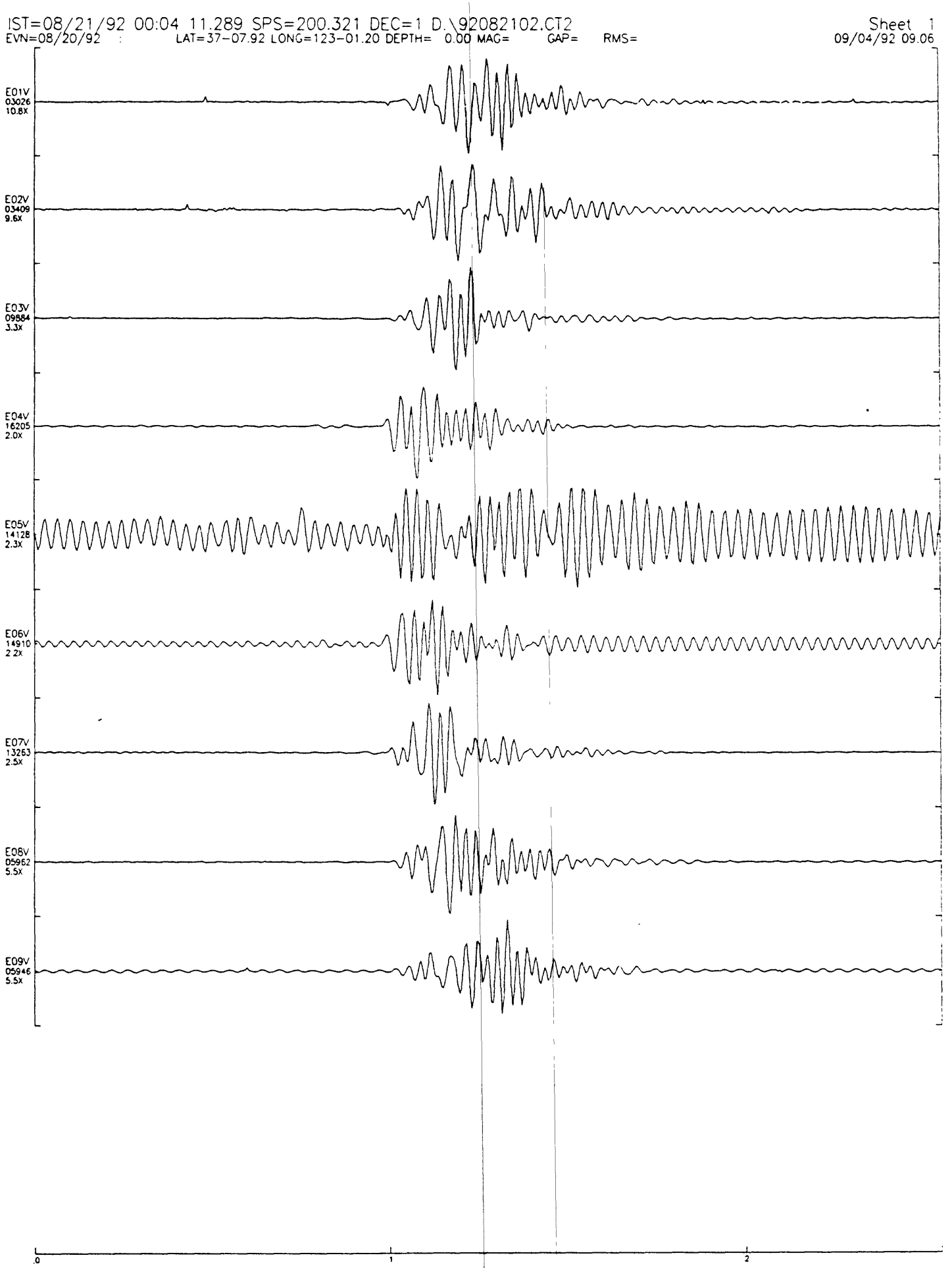
02978
11.0x
N02E
05761
5.7x
N03E
11599
2.8x
N04E
15469
2.1x
N05E
13069
2.5x
N06E
16219
2.0x
N07E
15082
2.2x
N08E
12556
2.6x
N09E
04650
7.0x
N10E
02386
13.7x
N11E
02237
14.6x
N12E
01024
32.0x
.0
1
2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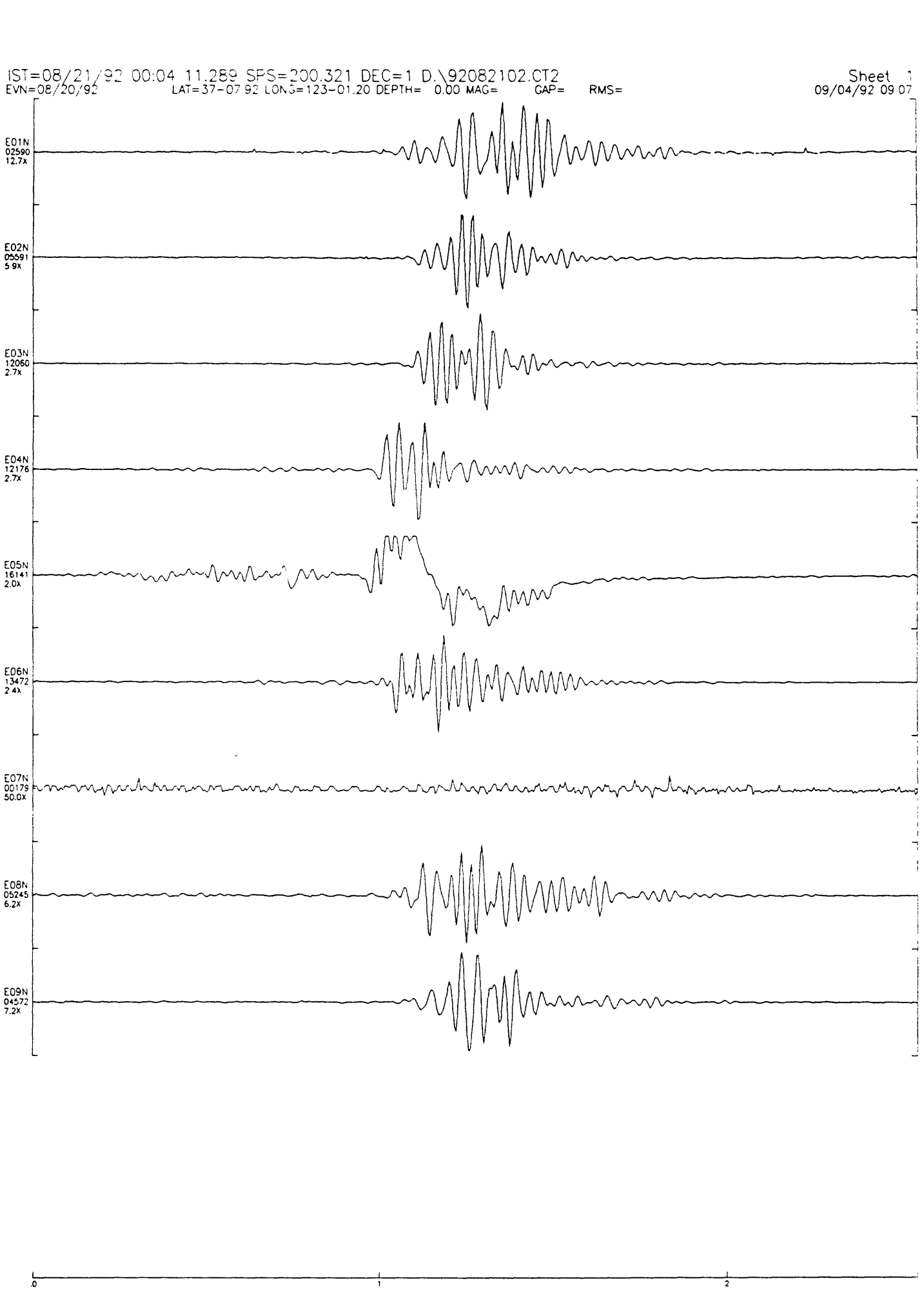
03026
10.8X
E02V
03409
9.6X
E03V
09884
3.3X
E04V
16205
2.0X
E05V
14128
2.3X
E06V
14910
2.2X
E07V
13263
2.5X
E08V
05962
5.5X
E09V
05946
5.5X
0
1
2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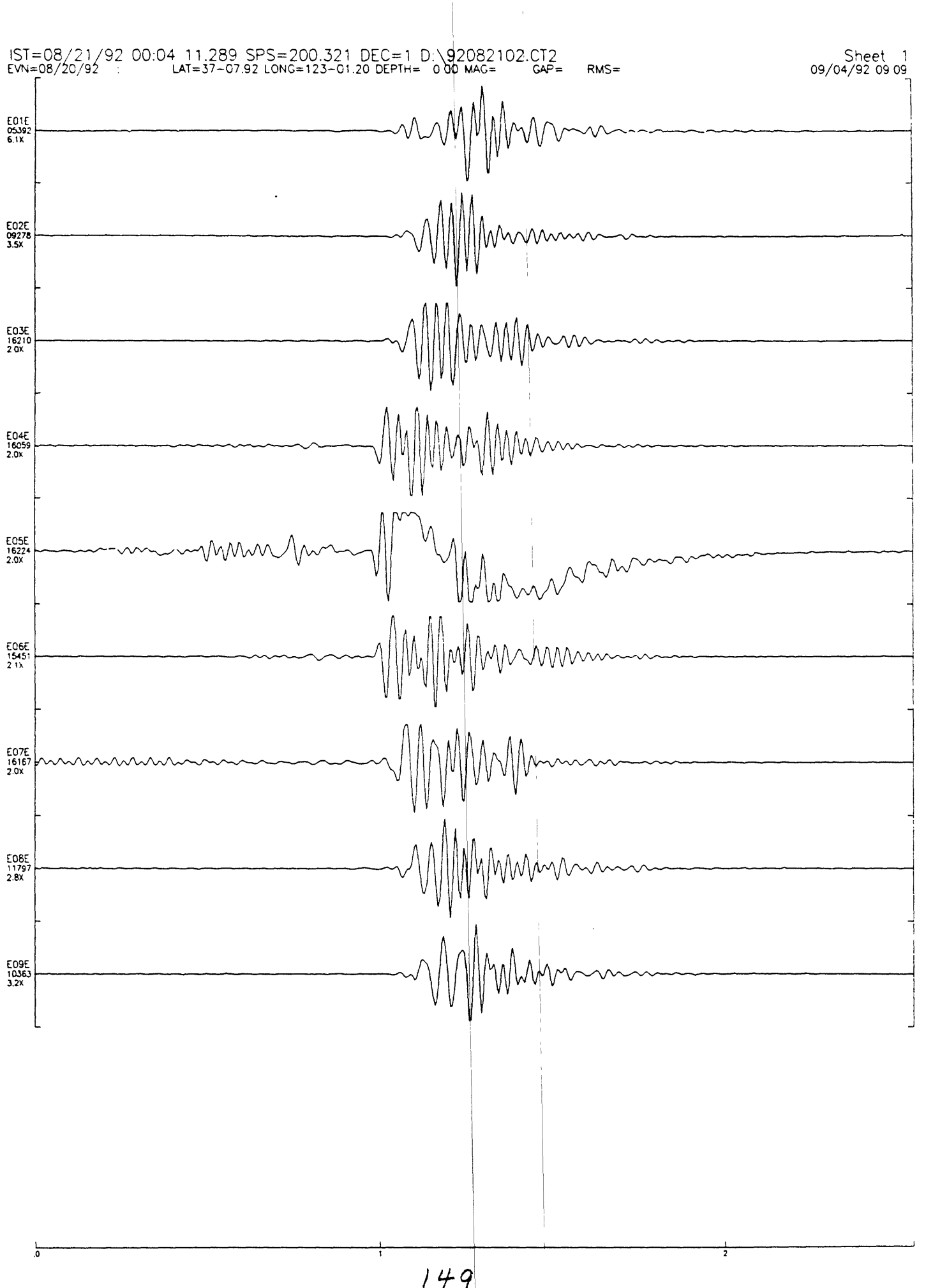
02590
12.7x
E02N
05591
5.9x
E03N
12060
2.7x
E04N
12176
2.7x
E05N
16141
2.0x
E06N
13472
2.4x
E07N
00179
50.0x
E08N
05245
6.2x
E09N
04572
7.2x
0
1
2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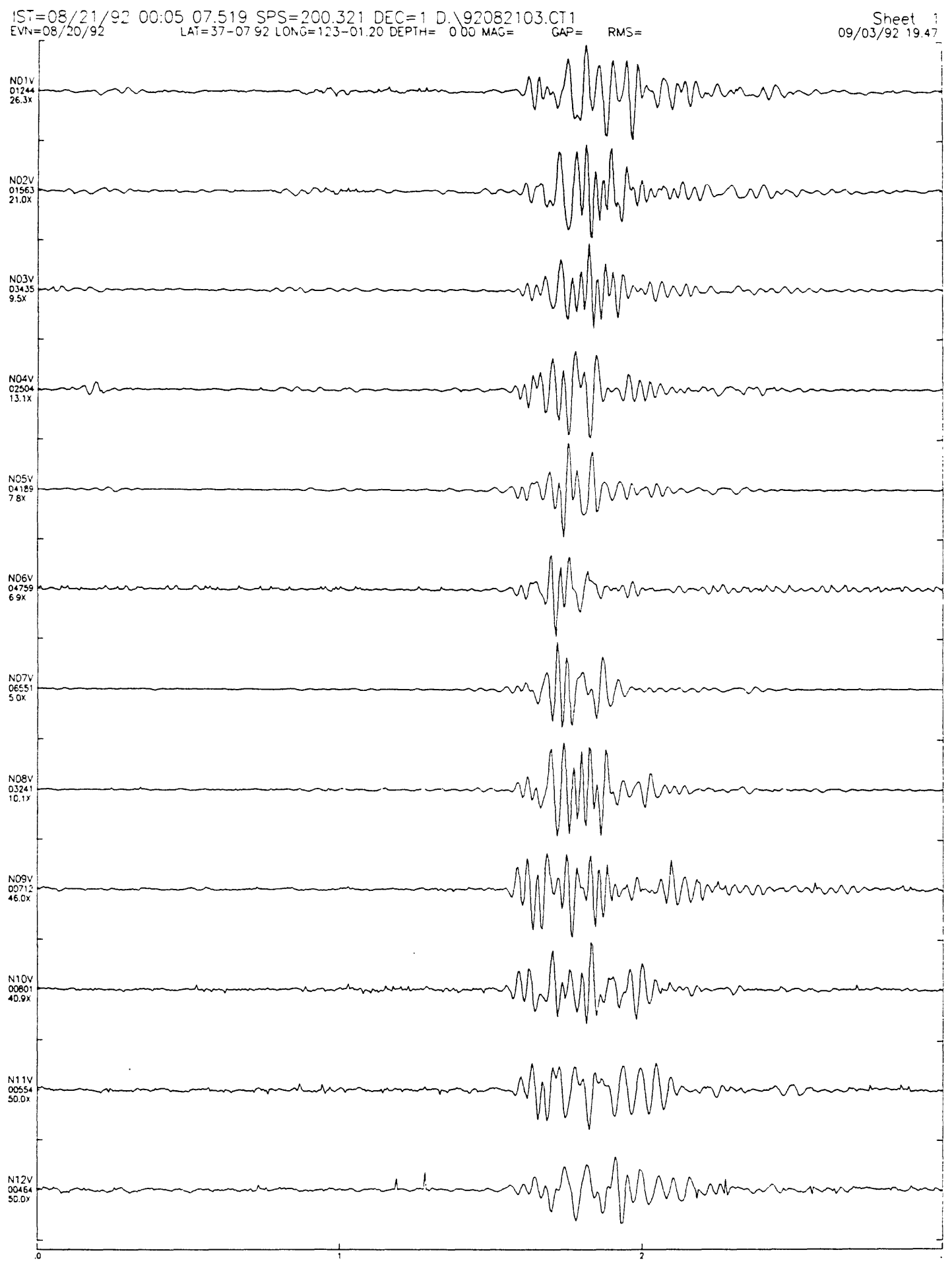
09/04/92 09 09
E01E
05392
6.1X
E02E
09278
3.5X
E03E
16210
2.0X
E04E
16059
2.0X
E05E
16224
2.0X
E06E
15451
2.1X
E07E
16167
2.0X
E08E
11797
2.8X
E09E
10363
3.2X
.0
1
2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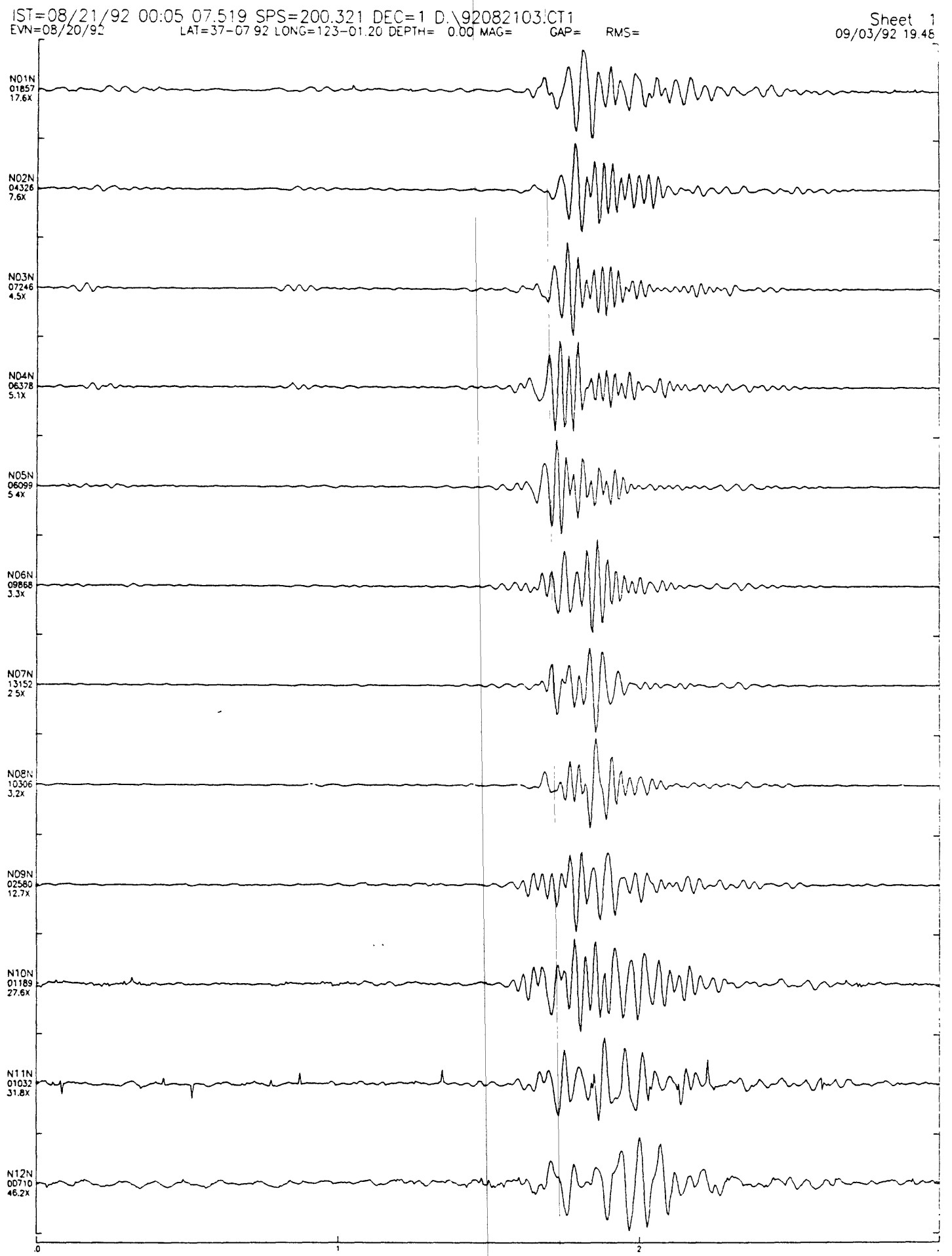
N02V 01563 21.0x
N03V 03435 9.5x
N04V 02504 13.1x
N05V 04189 7.8x
N06V 04759 6.9x
N07V 06551 5.0x
N08V 03241 10.1x
N09V 00712 46.0x
N10V 00801 40.9x
N11V 00554 50.0x
N12V 00464 50.0x
0
1
2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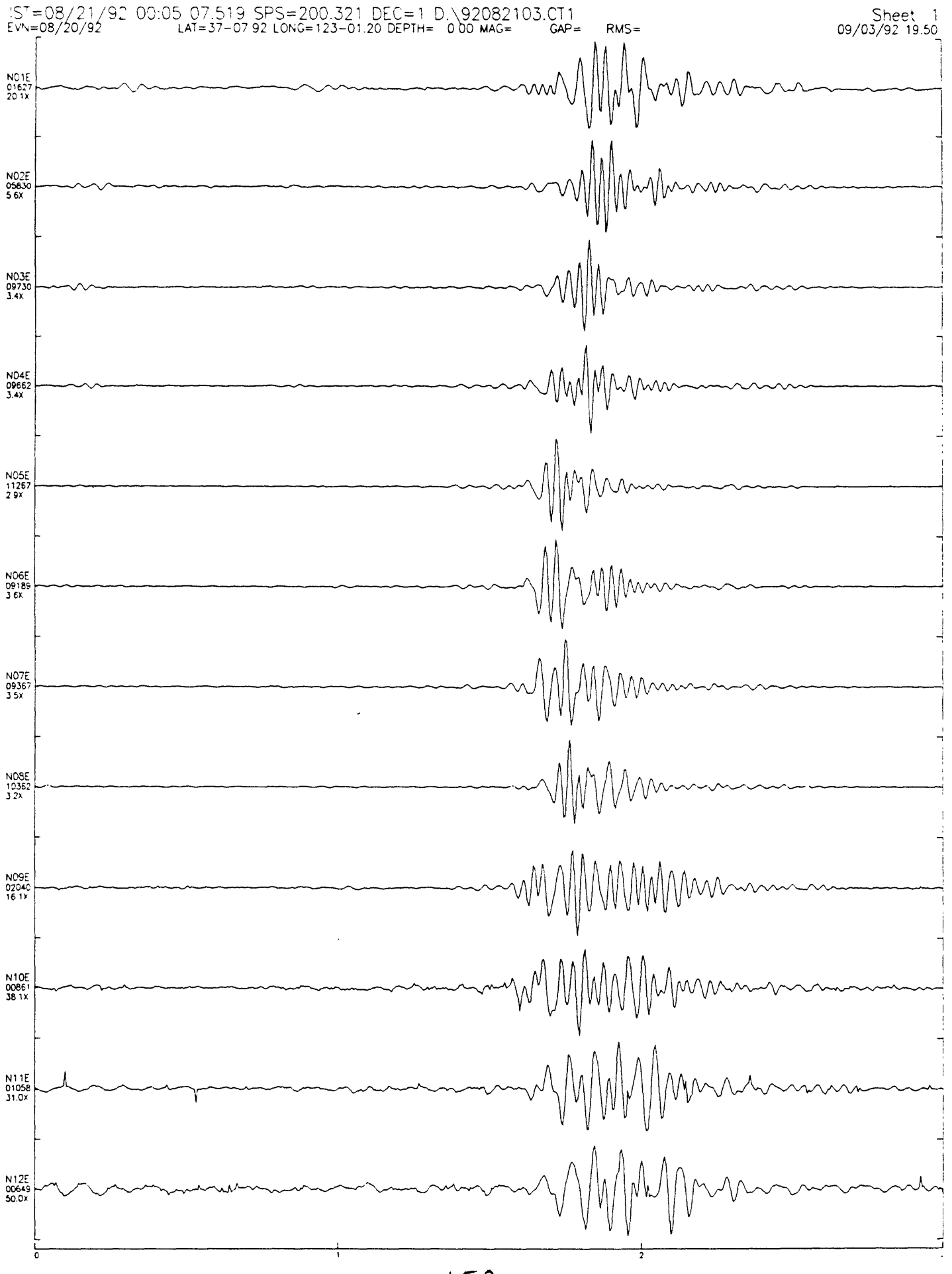
01857
17.6X
N02N
04326
7.6X
N03N
07246
4.5X
N04N
06378
5.1X
N05N
06099
5.4X
N06N
09868
3.3X
N07N
13152
2.5X
N08N
10306
3.2X
N09N
02580
12.7X
N10N
01189
27.6X
N11N
01032
31.8X
N12N
00710
46.2X
0
1
2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09/03/92 19.50
N01E
01627
20 1X
N02E
05830
5 6X
N03E
09730
3.4X
N04E
09662
3.4X
N05E
11267
2 9X
N06E
08189
3 6X
N07E
09367
3 5X
N08E
10362
3 2X
N09E
02040
16 1X
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00861
38 1X
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31.0X
N12E
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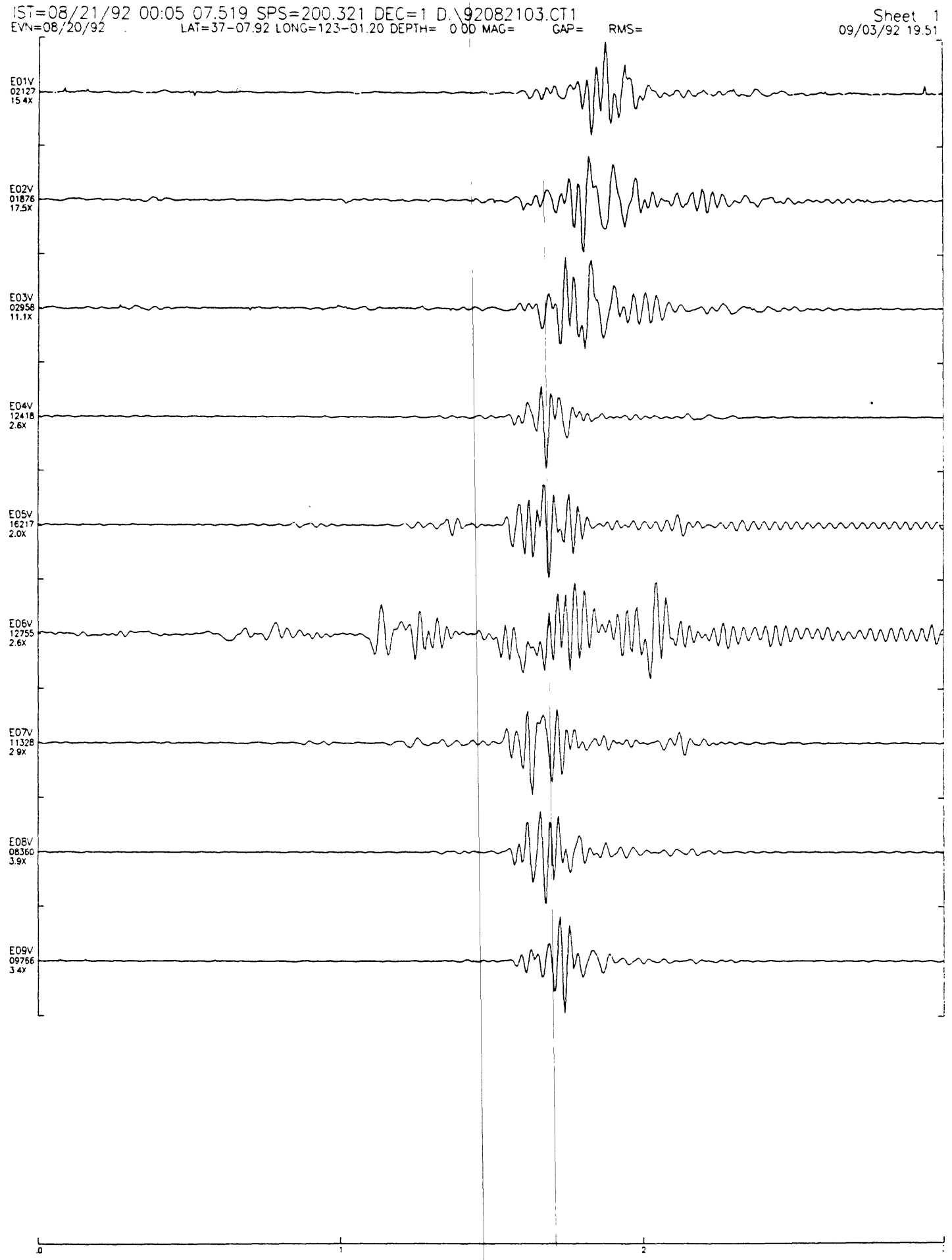
50.0X
0
1
2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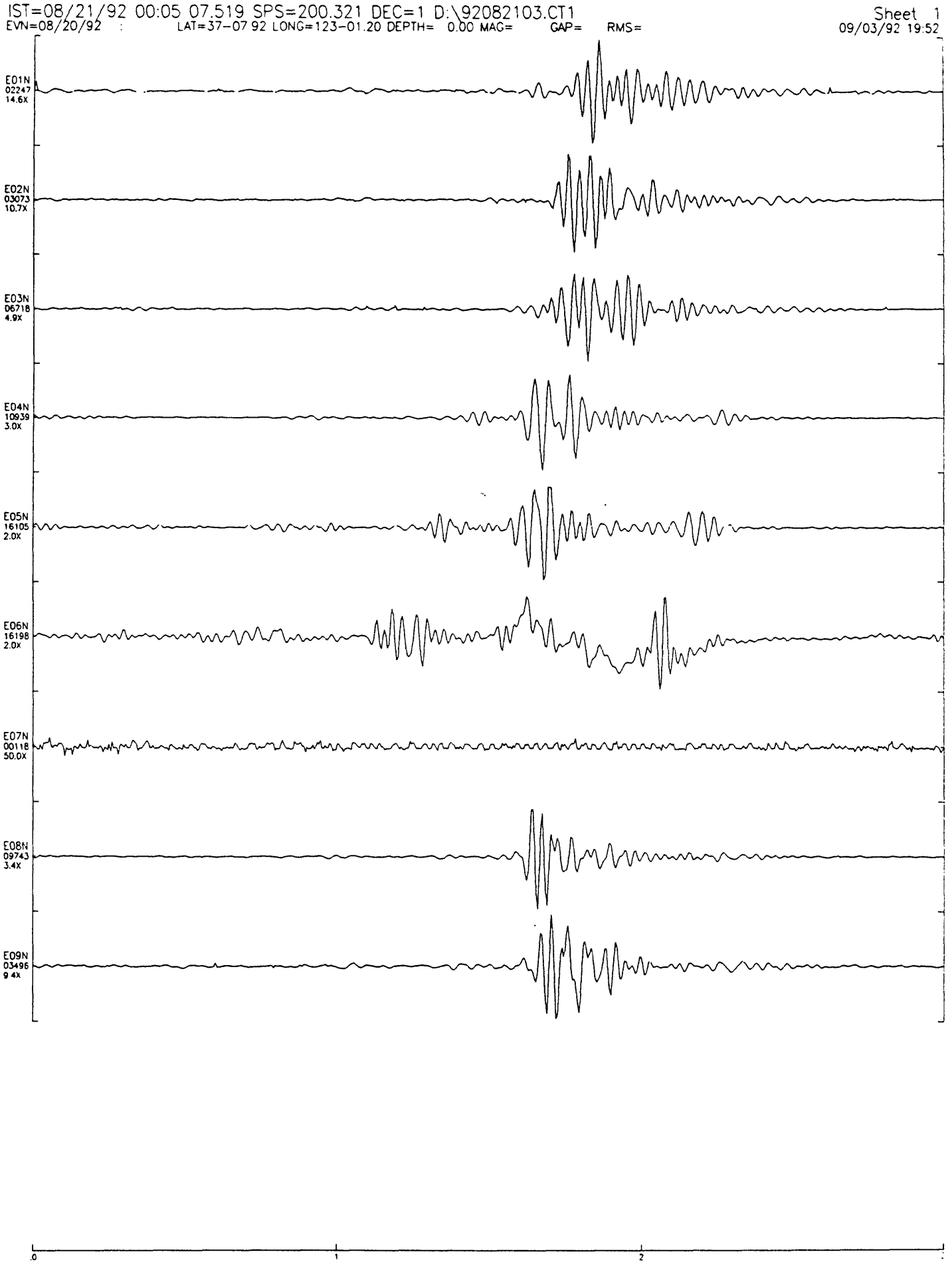
02127
15.4x
E02V
01876
17.5x
E03V
02958
11.1x
E04V
12418
2.6x
E05V
16217
2.0x
E06V
12755
2.6x
E07V
11328
2.9x
E08V
08360
3.9x
E09V
09766
3.4x
0
1
2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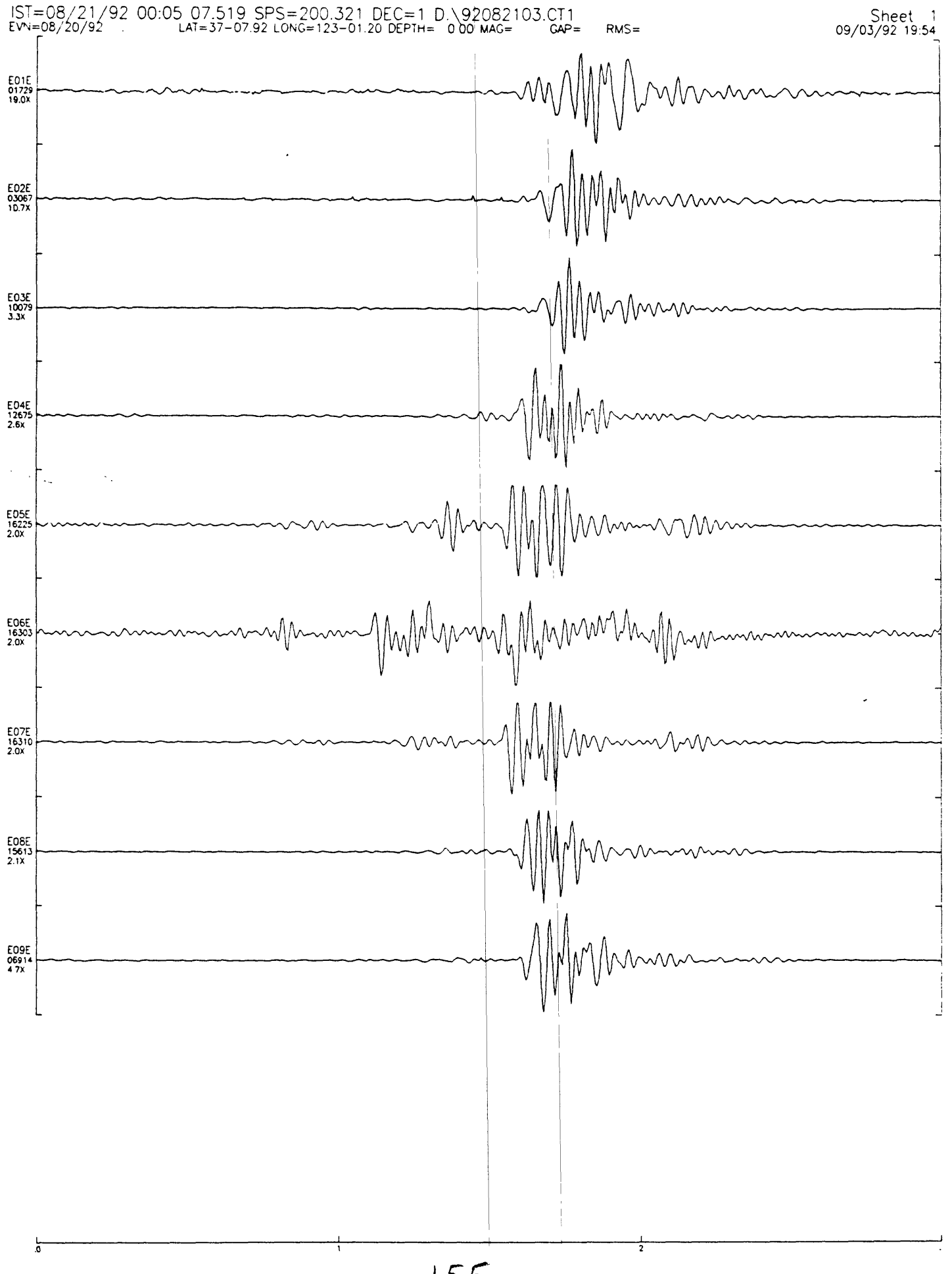
02247
14.6X
E02N
03073
10.7X
E03N
06718
4.9X
E04N
10939
3.0X
E05N
16105
2.0X
E06N
16198
2.0X
E07N
00118
50.0X
E08N
09743
3.4X
E09N
03496
9.4X
.0
1
2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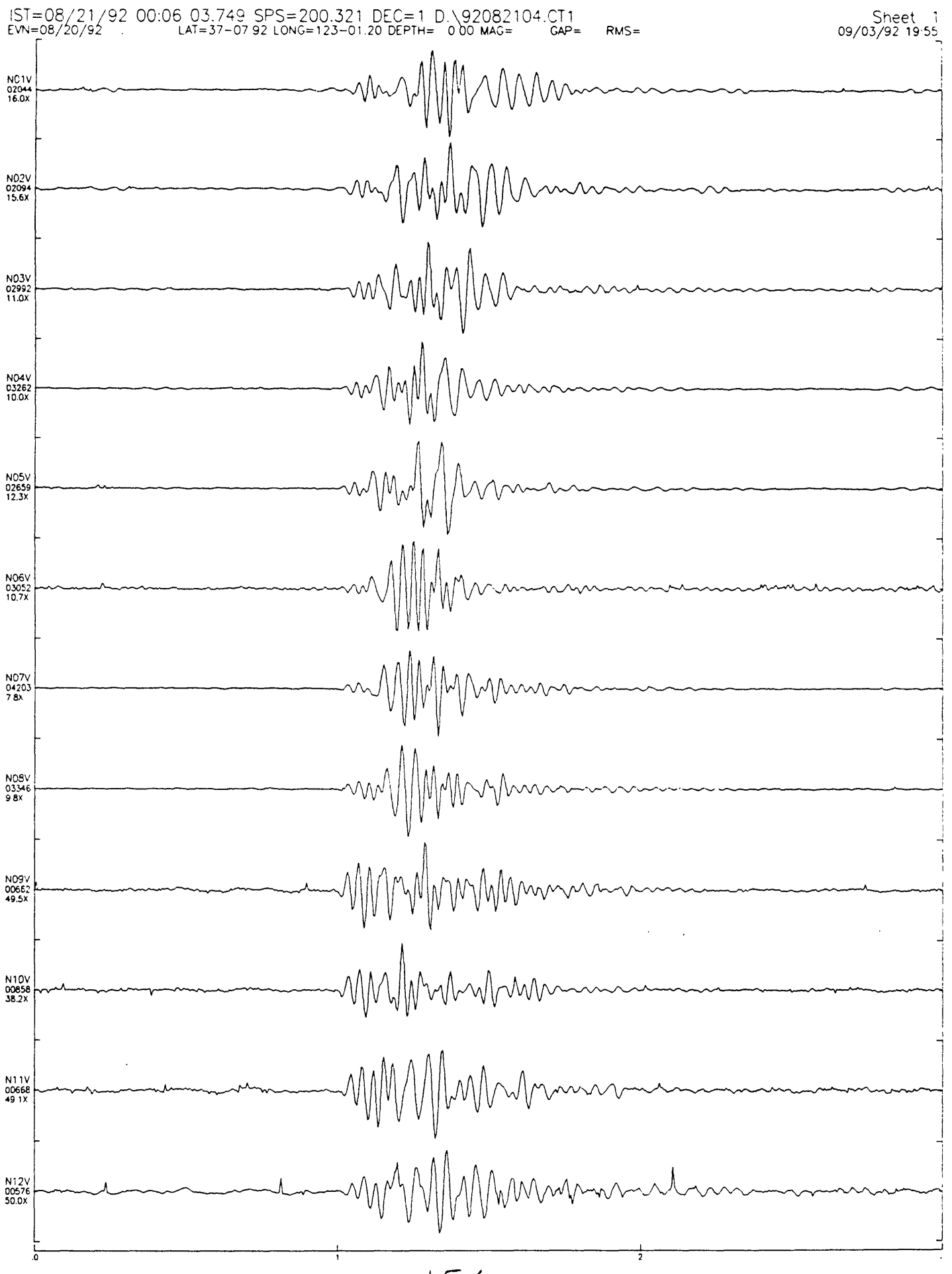
09/03/92 19:54
E01E
01729
19.0x
E02E
03067
10.7x
E03E
10079
3.3x
E04E
12675
2.6x
E05E
16225
2.0x
E06E
16303
2.0x
E07E
16310
2.0x
E08E
15613
2.1x
E09E
06914
4.7x
0
1
2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09/03/92 19:55
N01V
02044
16.0X
N02V
02094
15.6X
N03V
02992
11.0X
N04V
03262
10.0X
N05V
02659
12.3X
N06V
03052
10.7X
N07V
04203
7 8X
N08V
03346
9 8X
N09V
00662
49.5X
N10V
00858
38.2X
N11V
00668
49 1X
N12V
00576
50.0X
.0
1
2

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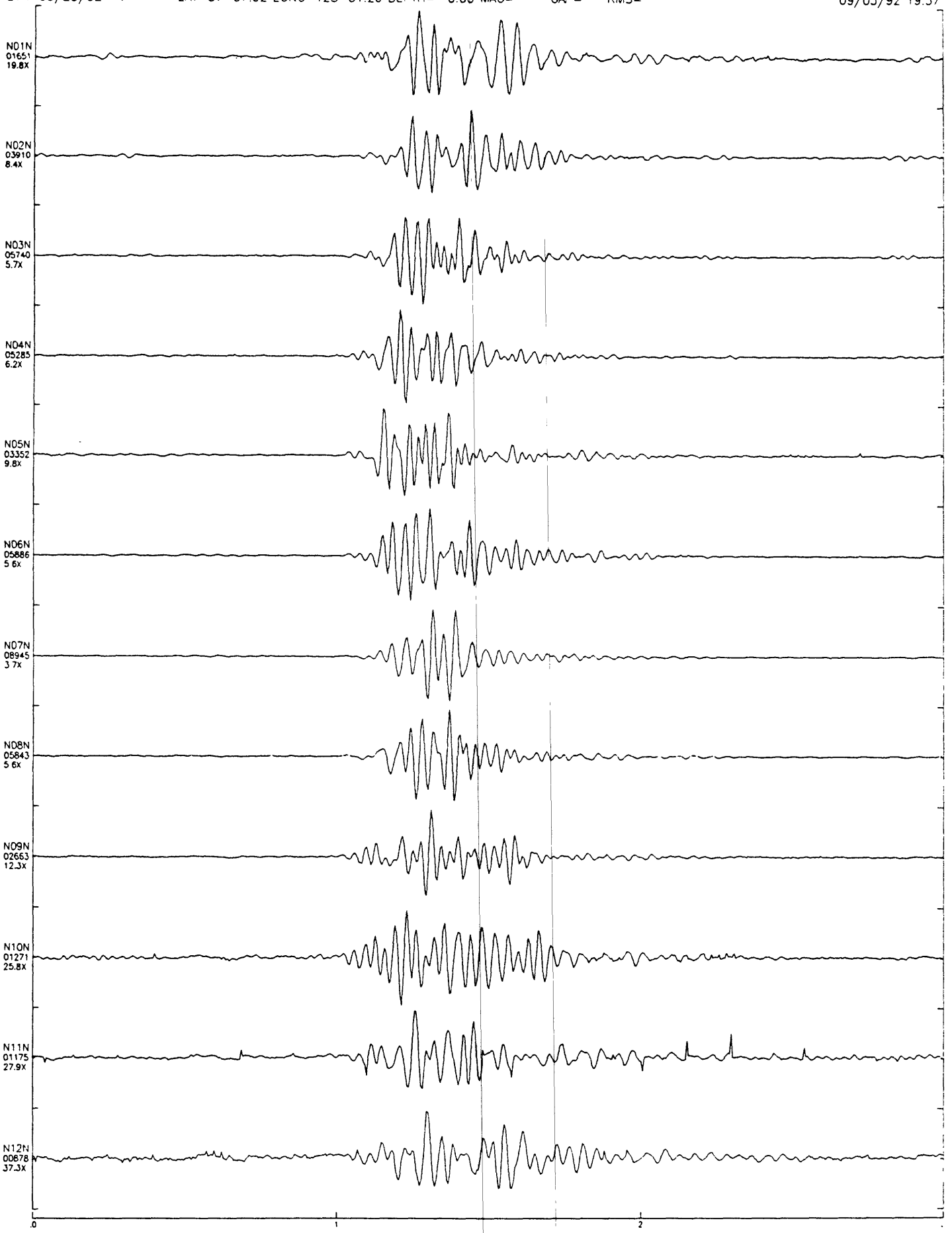
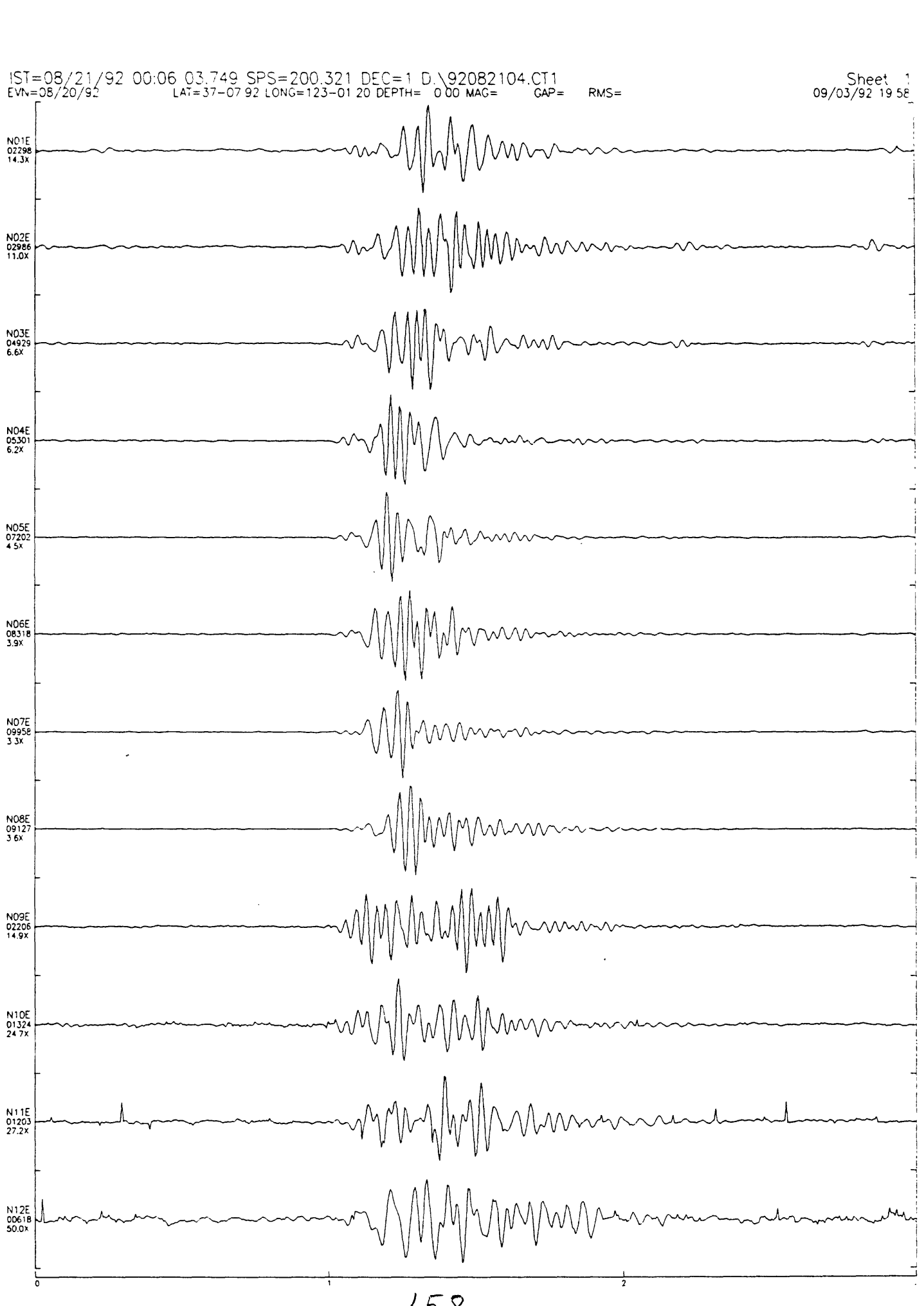
Sheet 1
09/03/92 19:57

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09/03/92 19 58
N01E 02298 14.3X
N02E 02986 11.0X
N03E 04929 6.6X
N04E 05301 6.2X
N05E 07202 4.5X
N06E 08318 3.9X
N07E 09958 3.3X
N08E 09127 3.6X
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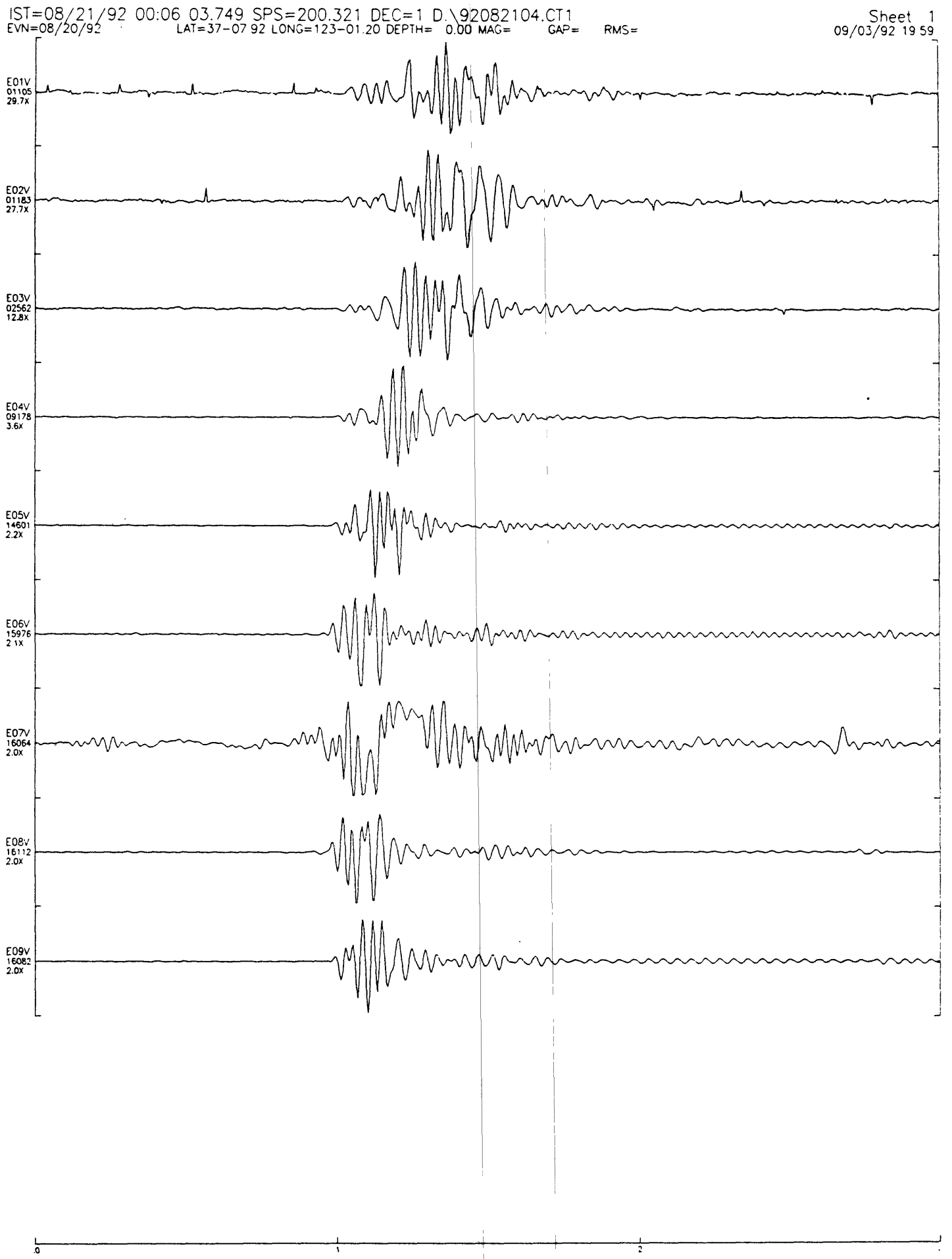
0
1
2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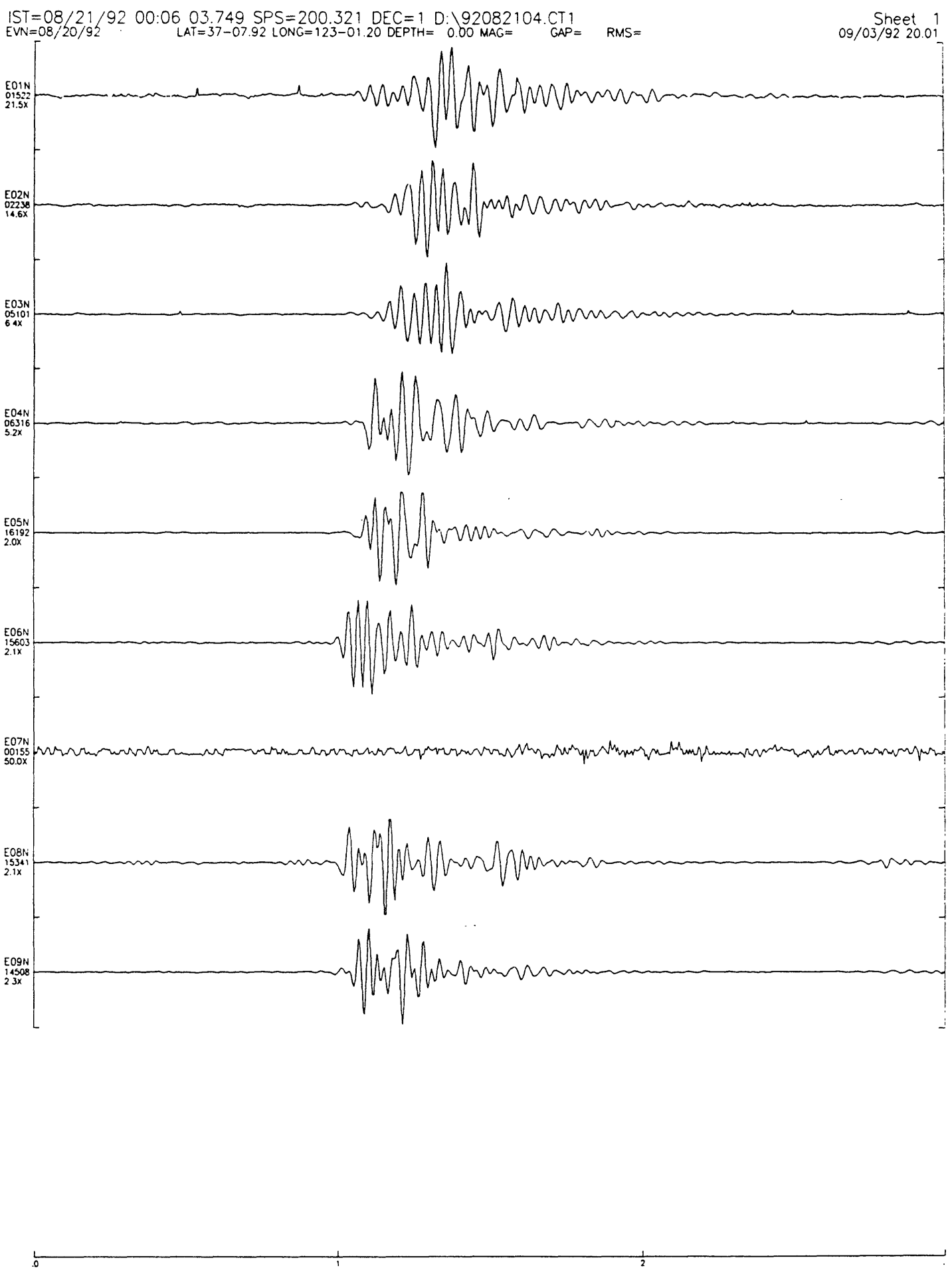
09/03/92 19 59
E01V
01105
29.7X
E02V
01183
27.7X
E03V
02562
12.8X
E04V
09178
3.6X
E05V
14601
2.2X
E06V
15976
2.1X
E07V
16064
2.0X
E08V
16112
2.0X
E09V
16082
2.0X
0
1
2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09/03/92 20.01
E01N
01522
21.5X
E02N
02238
14.6X
E03N
05101
6.4X
E04N
06316
5.2X
E05N
16192
2.0X
E06N
15603
2.1X
E07N
00155
50.0X
E08N
15341
2.1X
E09N
14508
2.3X
0
1
2

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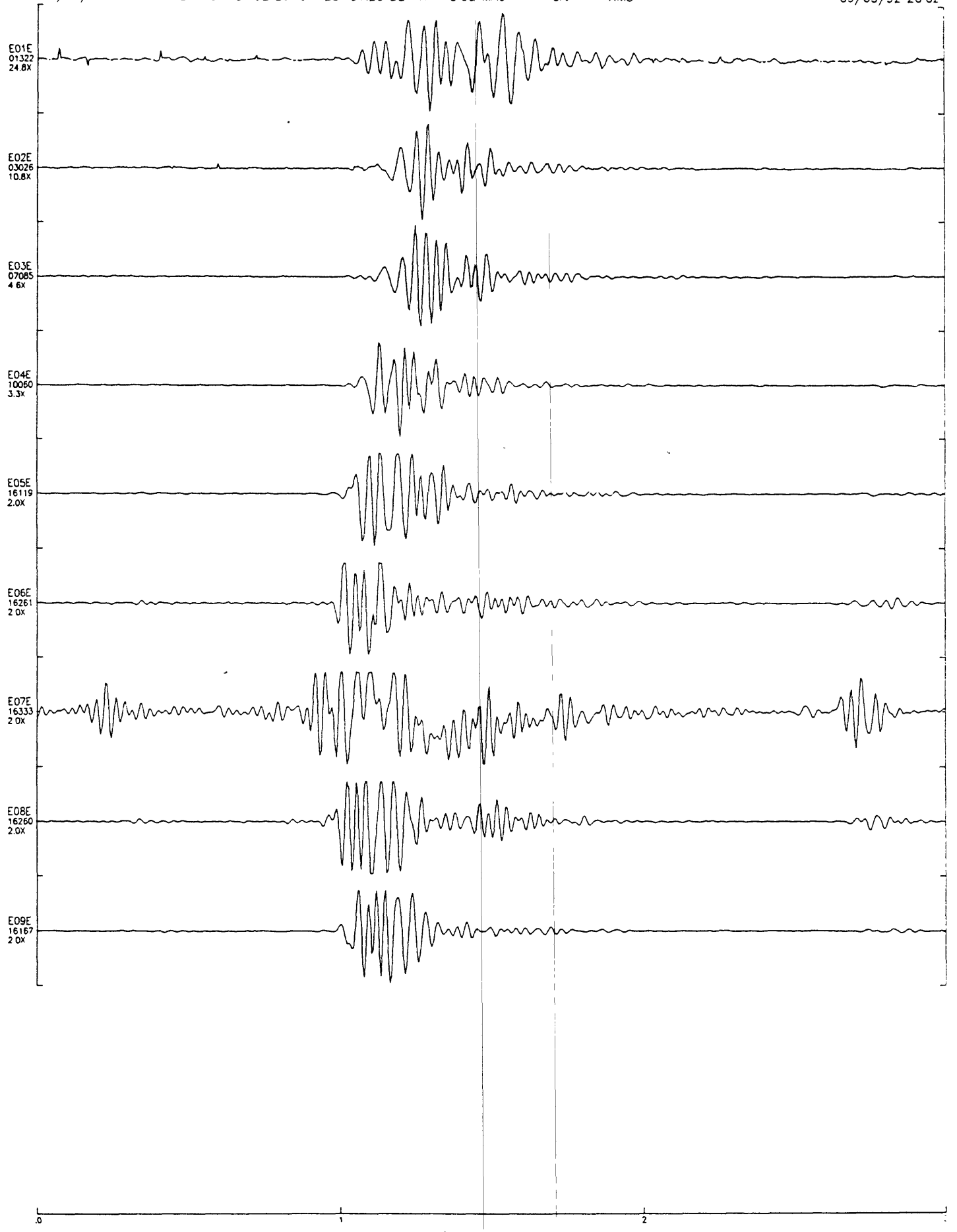
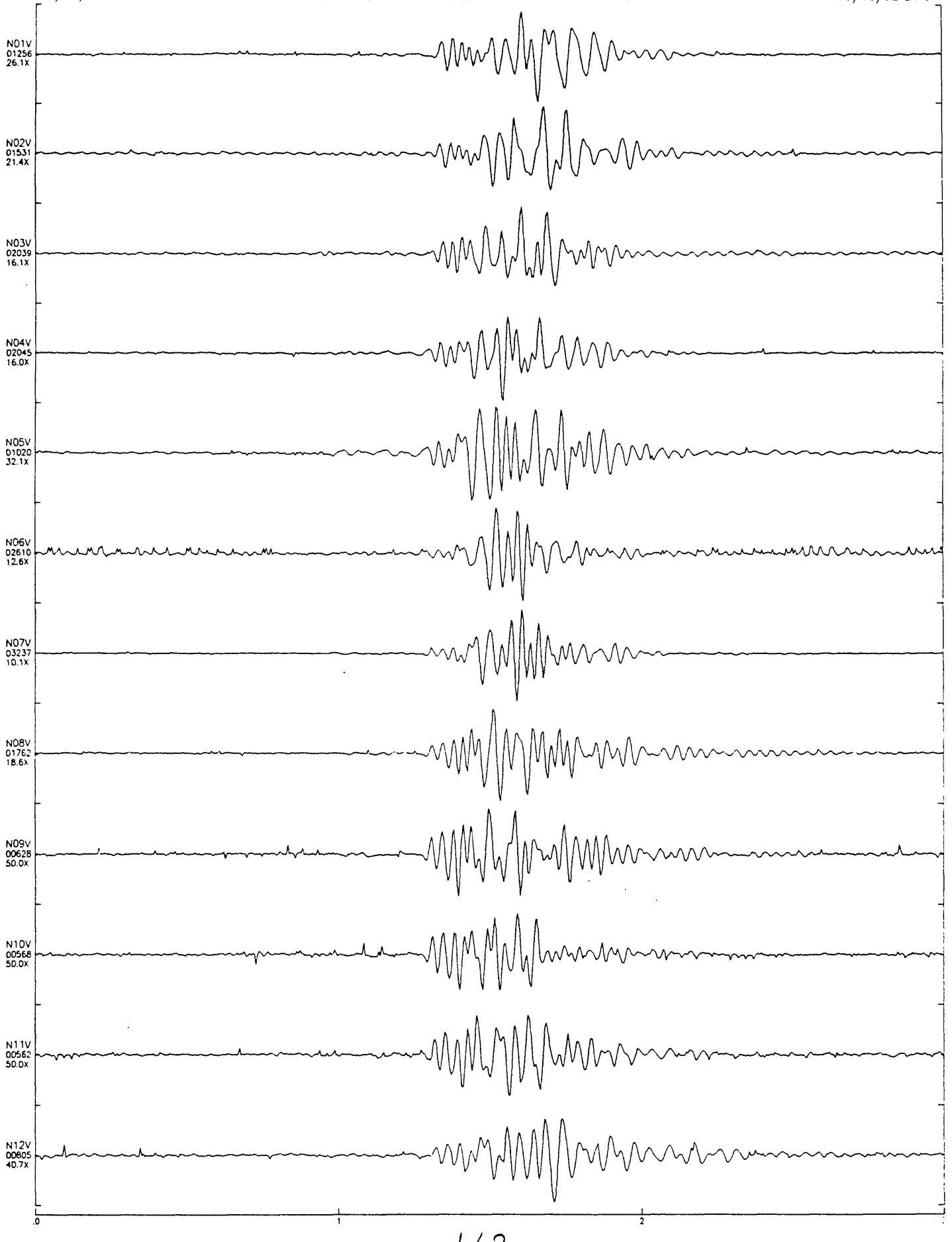
09/03/92 20 02

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N02V 01531 21.4X
N03V 02039 16.1X
N04V 02045 16.0X
N05V 01020 32.1X
N06V 02610 12.6X
N07V 03237 10.1X
N08V 01762 18.6X
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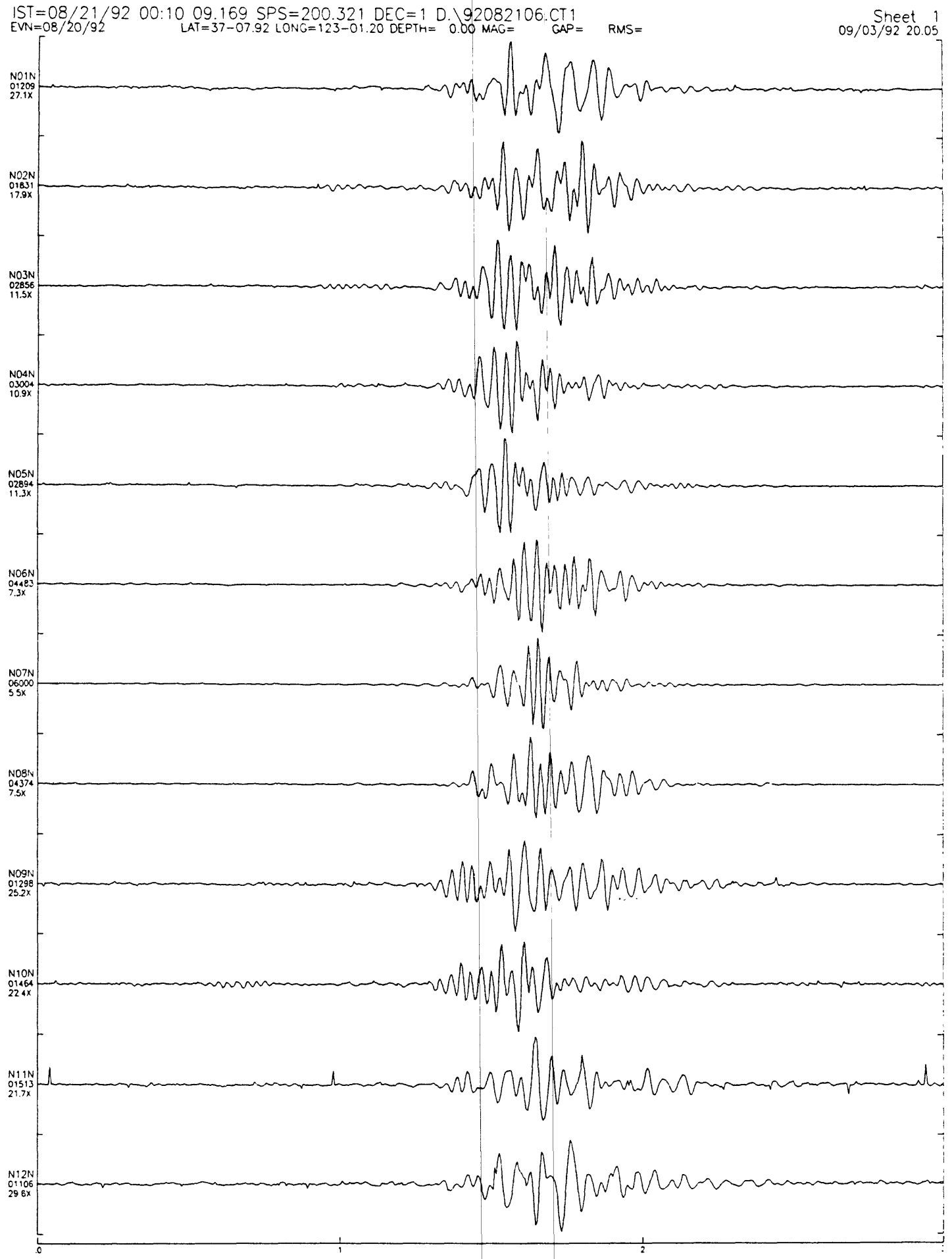
.0
1
2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09/03/92 20.05
N01N
01209
27.1X
N02N
01831
17.9X
N03N
02856
11.5X
N04N
03004
10.9X
N05N
02894
11.3X
N06N
04483
7.3X
N07N
06000
5.5X
N08N
04374
7.5X
N09N
01298
25.2X
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01464
22.4X
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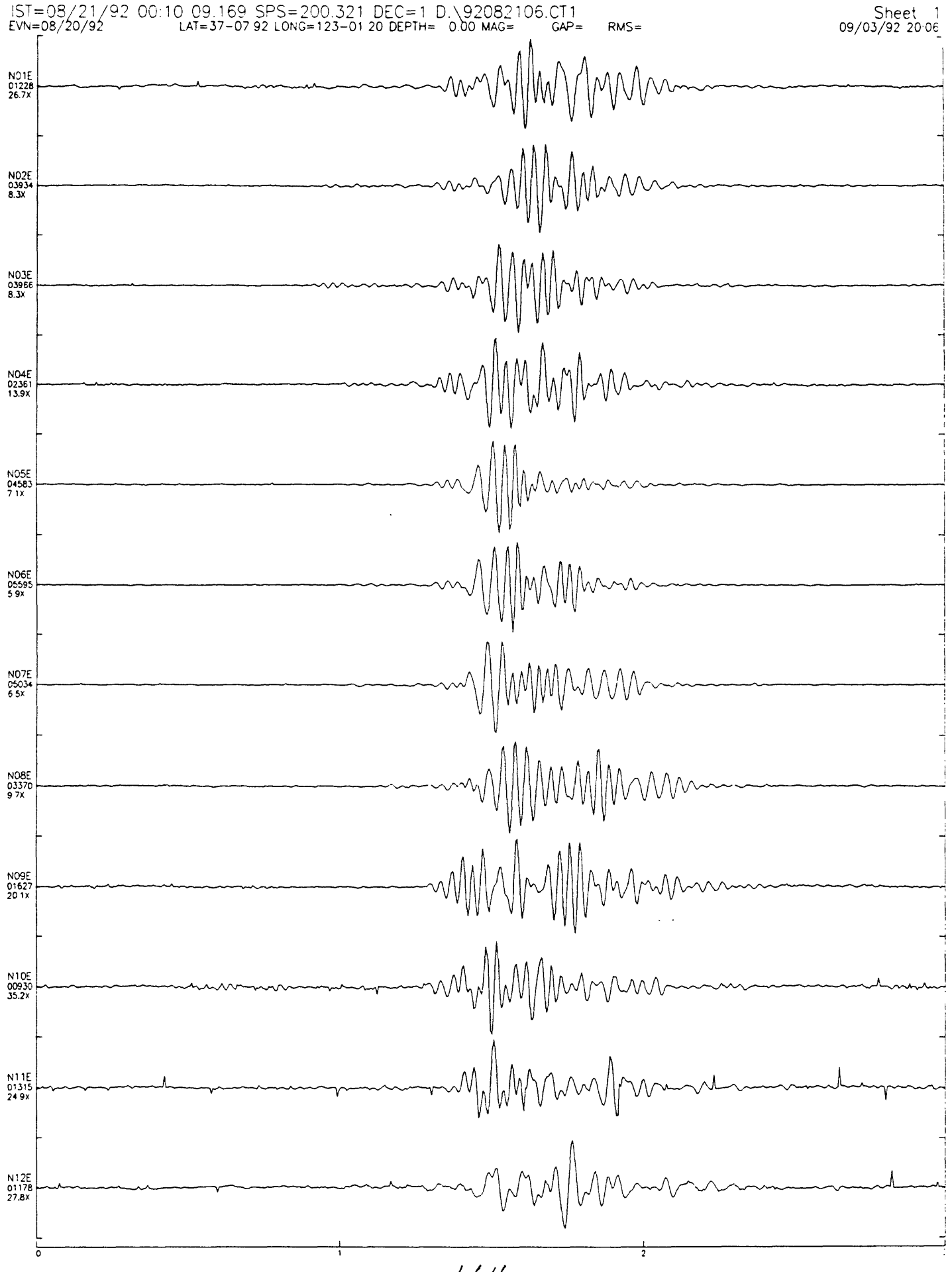
01513
21.7X
N12N
01106
29.6X
0
1
2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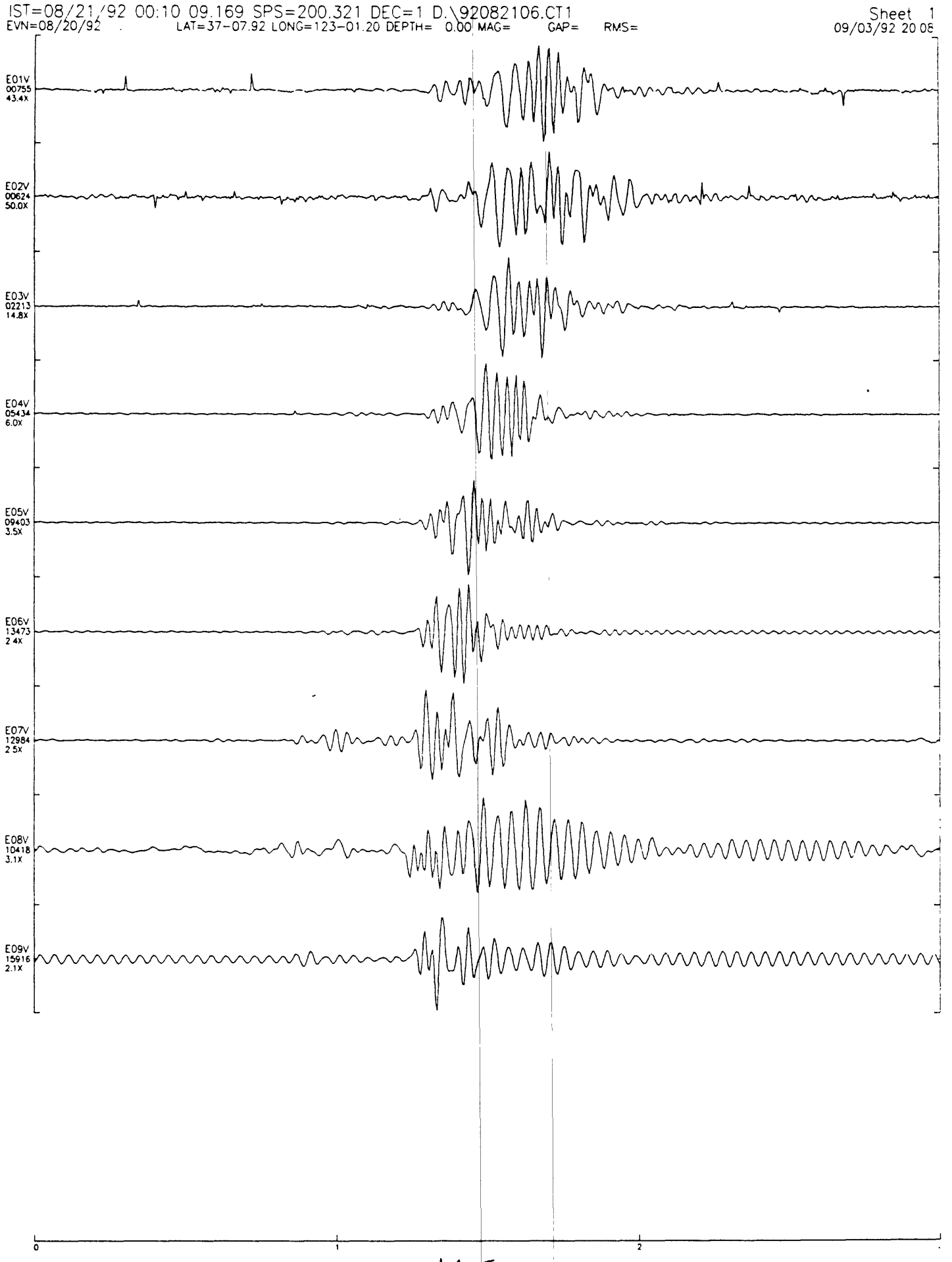
Sheet 1
09/03/92 20:06
N01E
01228
26.7x
N02E
03934
8.3x
N03E
03966
8.3x
N04E
02361
13.9x
N05E
04583
7 1x
N06E
05595
5 9x
N07E
05034
6 5x
N08E
03370
9 7x
N09E
01627
20 1x
N10E
00930
35.2x
N11E
01315
24 9x
N12E
01178
27.8x
0
1
2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Sheet 1
09/03/92 20 08
E01V
00755
43.4X
E02V
00624
50.0X
E03V
02213
14.8X
E04V
05434
6.0X
E05V
09403
3.5X
E06V
13473
2.4X
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12984
2.5X
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10418
3.1X
E09V
15916
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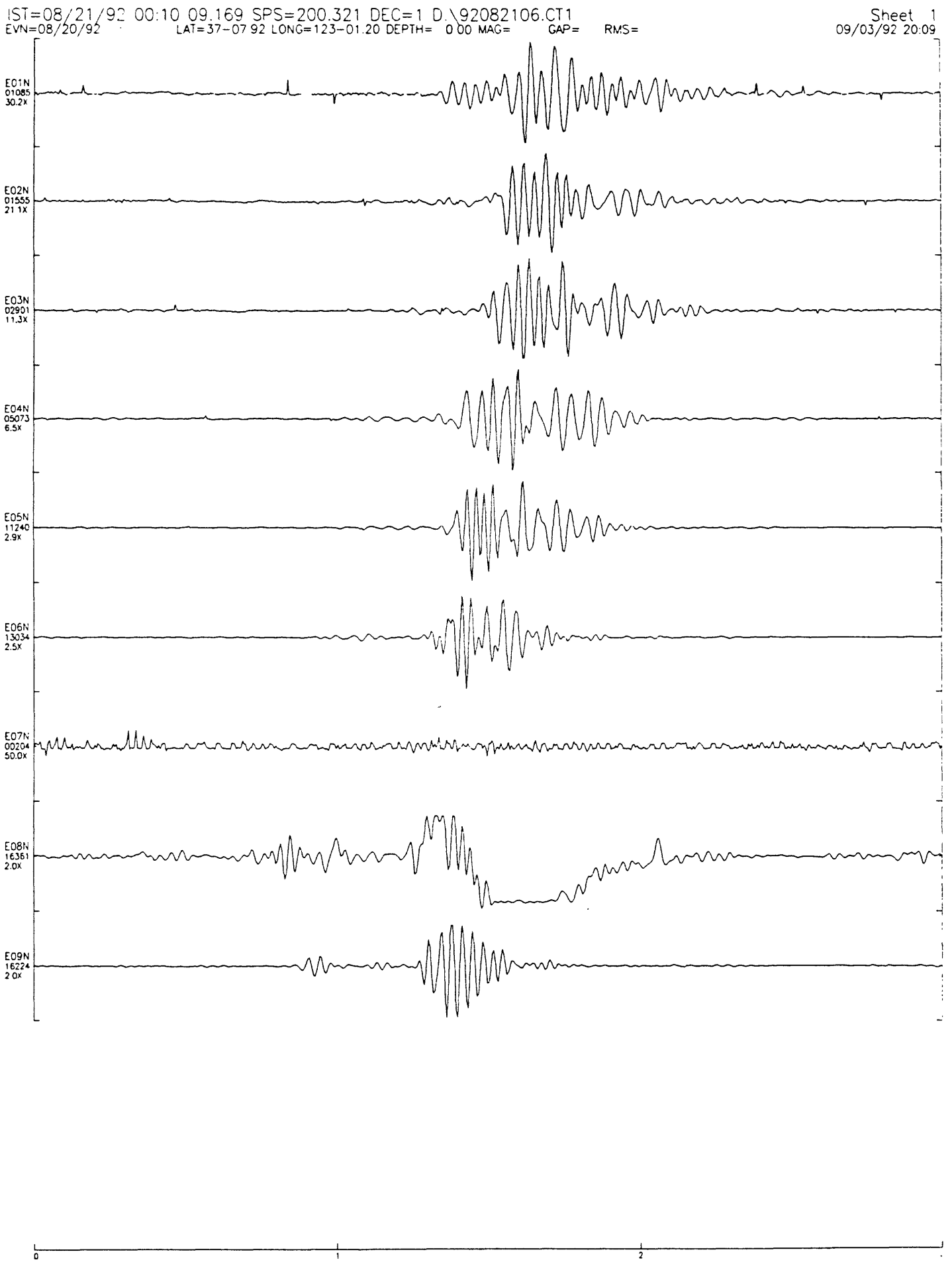
0
1
2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GAP=
RMS=
09/03/92 20:09
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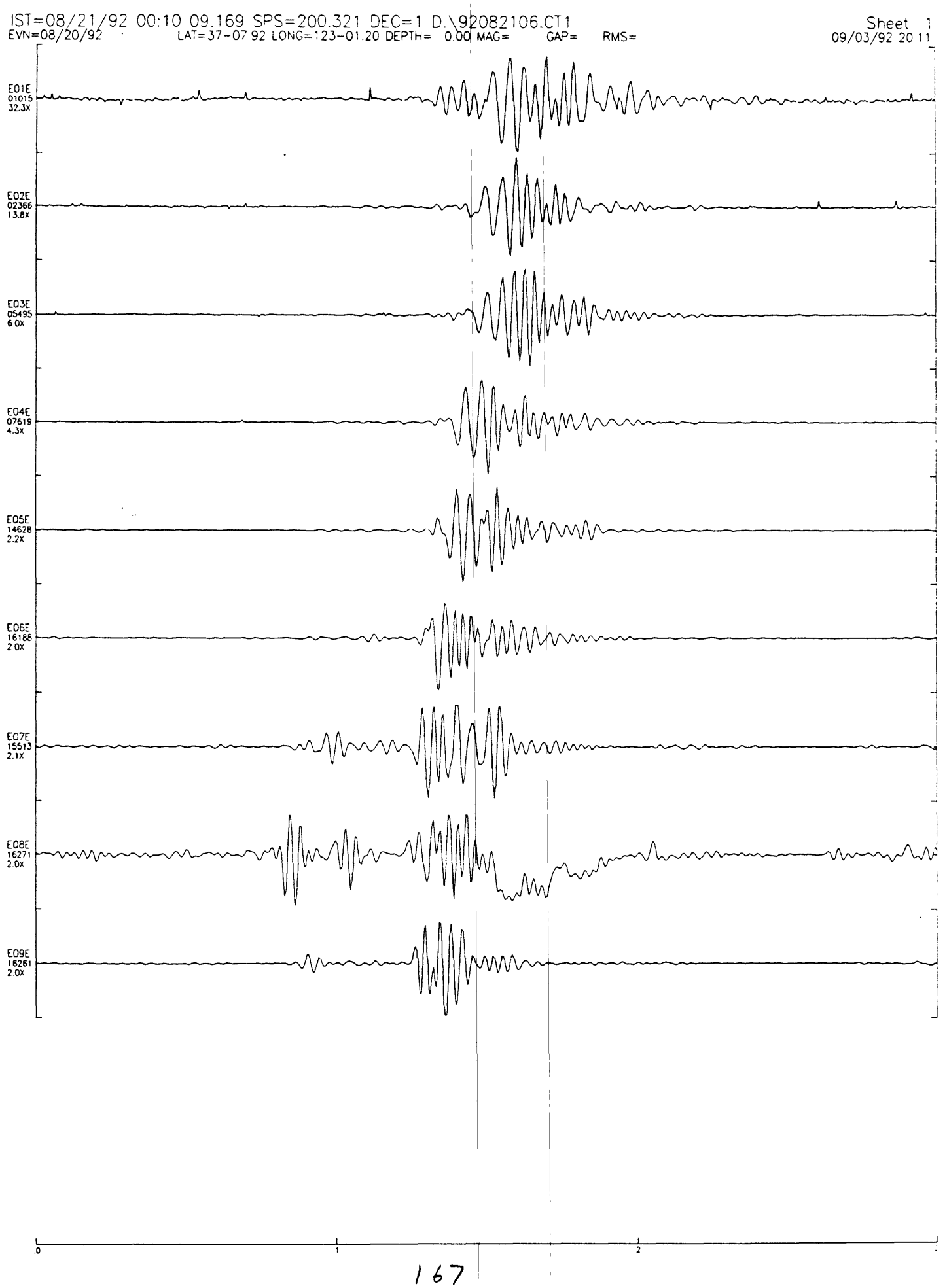
01085
30.2x
E02N
01555
21.1x
E03N
02901
11.3x
E04N
05073
6.5x
E05N
11240
2.9x
E06N
13034
2.5x
E07N
00204
50.0x
E08N
16351
2.0x
E09N
16224
2.0x
0
1
2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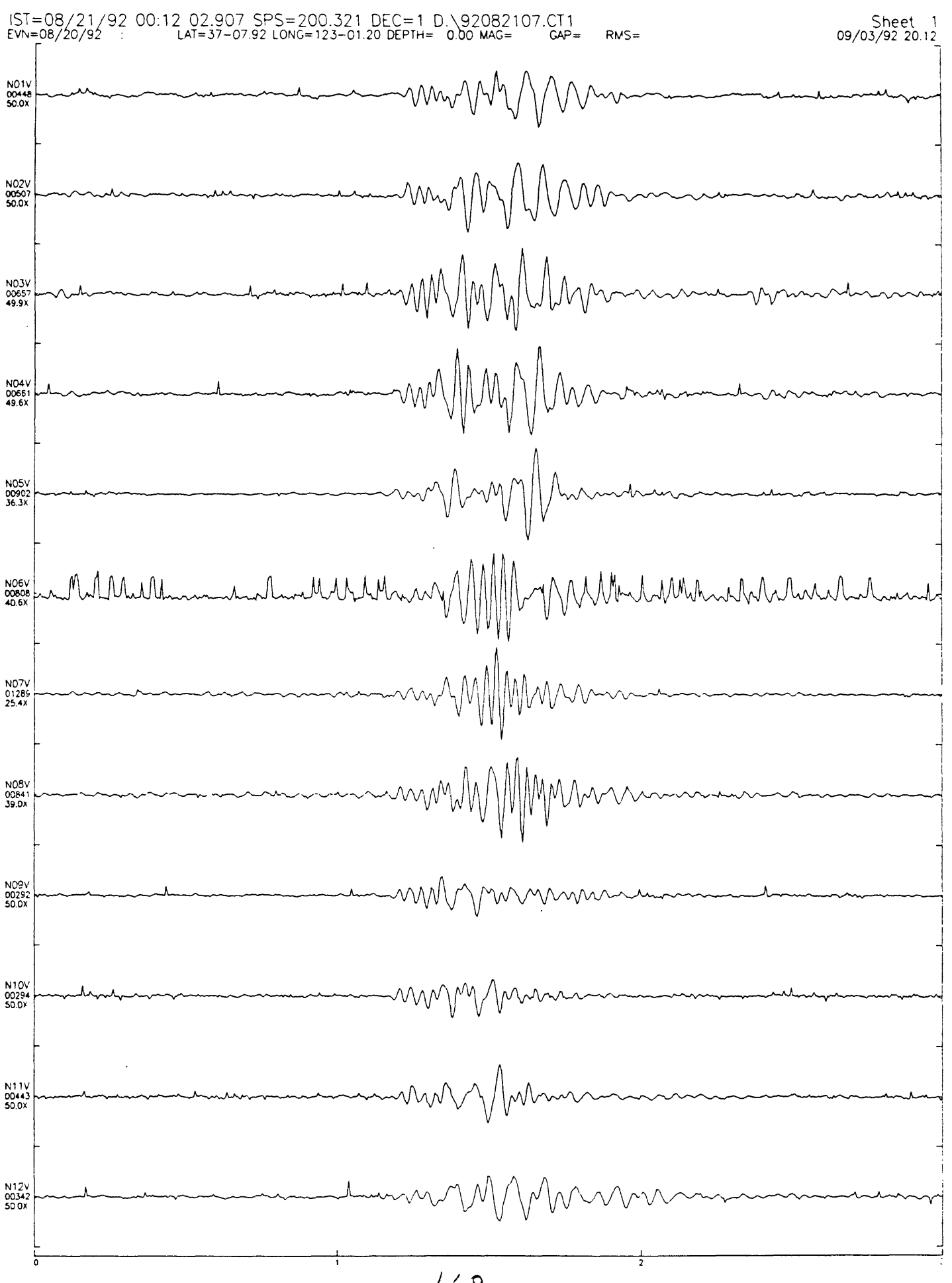
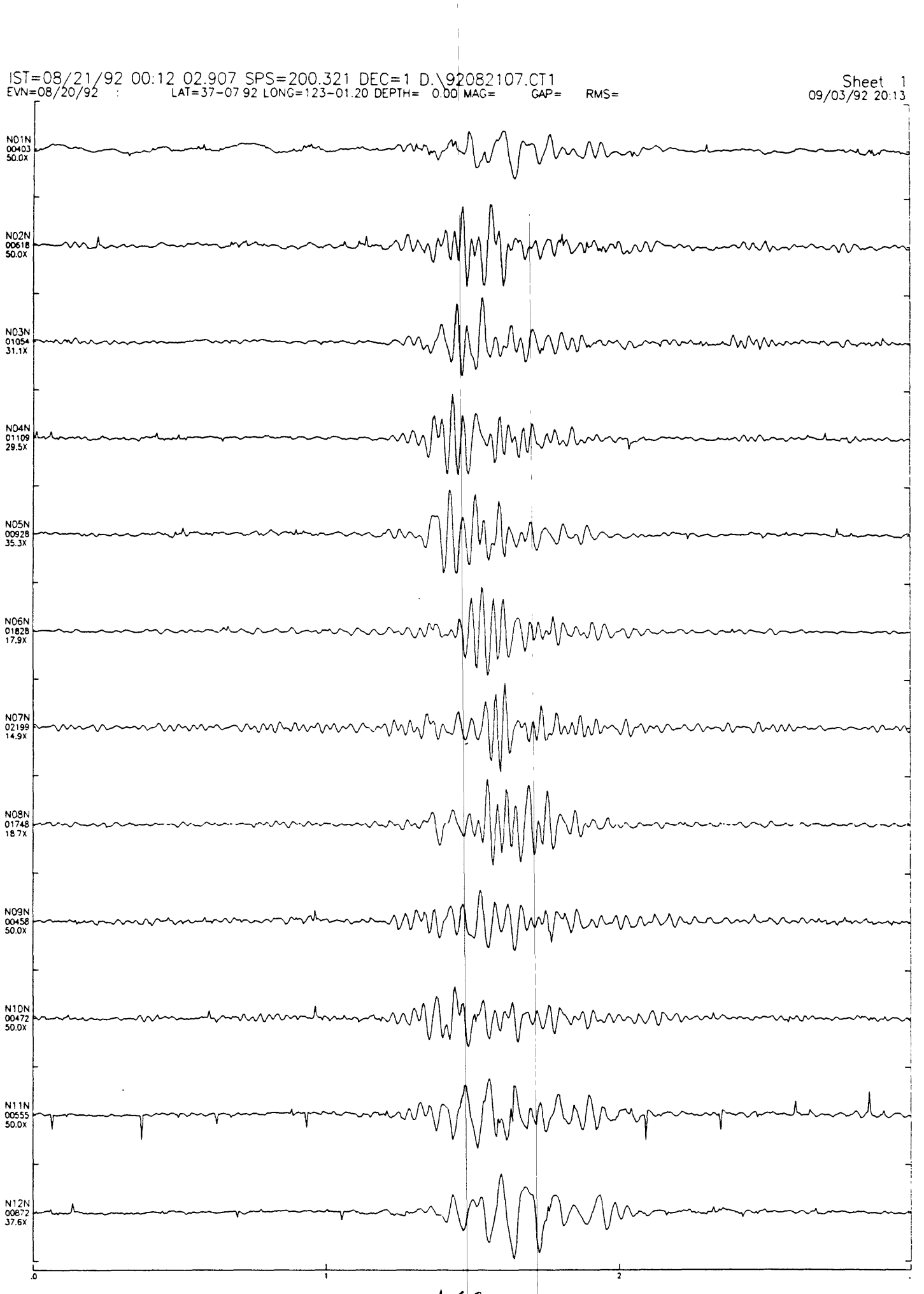
EVN=08/20/92
LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 20 11
E01E
01015
32.3x
E02E
02366
13.8x
E03E
05495
6 0x
E04E
07619
4.3x
E05E
14628
2.2x
E06E
16188
2 0x
E07E
15513
2.1x
E08E
16271
2.0x
E09E
16261
2.0x
.0
1
2


IST=08/21/92 00:12 02.907 SPS=200.321 DEC=1 D.\92082107.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 20.12
N01V
00448
50.0x
N02V
00507
50.0x
N03V
00657
49.9x
N04V
00661
49.6x
N05V
00902
36.3x
N06V
00808
40.6x
N07V
01289
25.4x
N08V
00841
39.0x
N09V
00292
50.0x
N10V
00294
50.0x
N11V
00443
50.0x
N12V
00342
50.0x
0
1
2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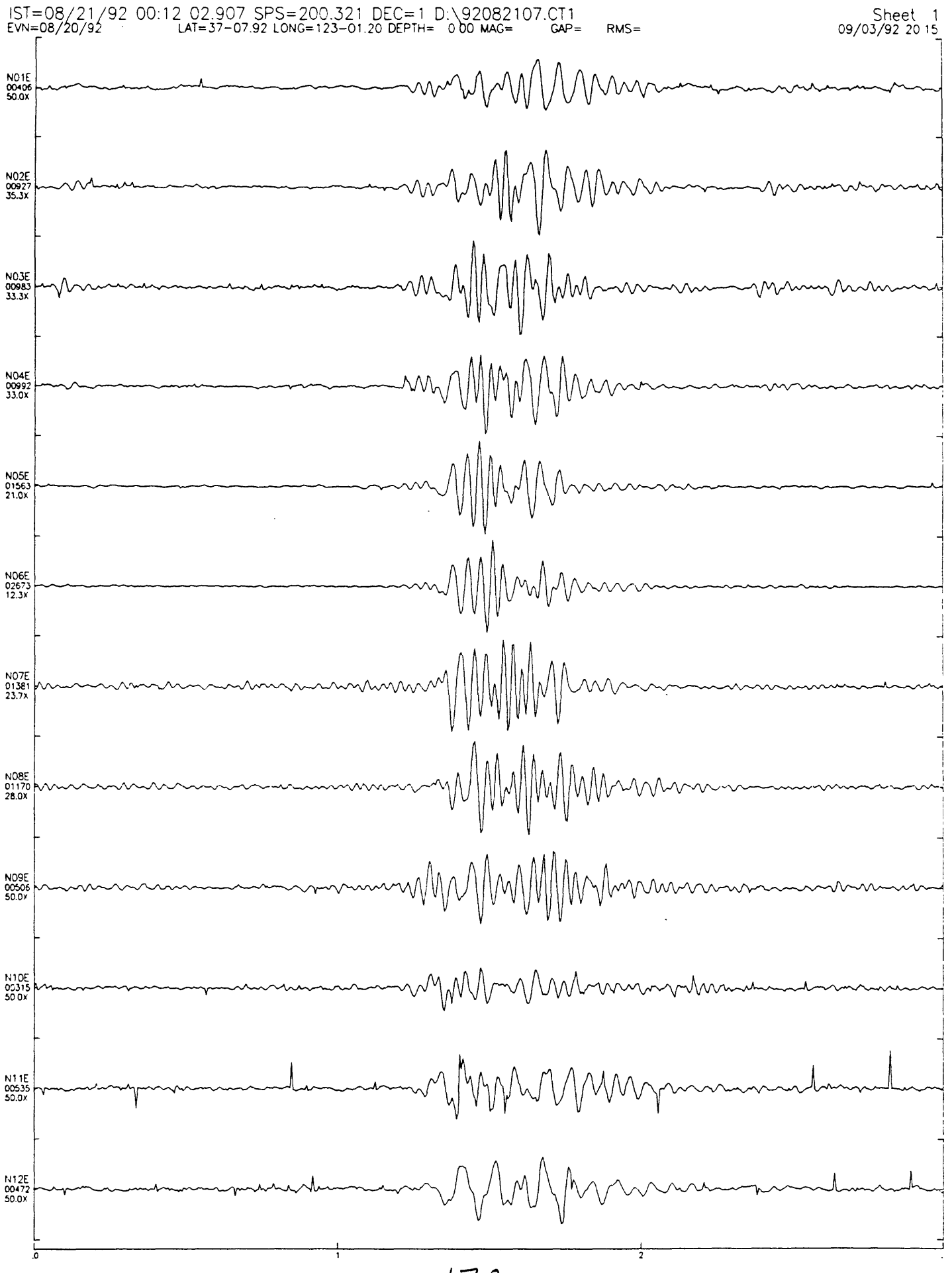
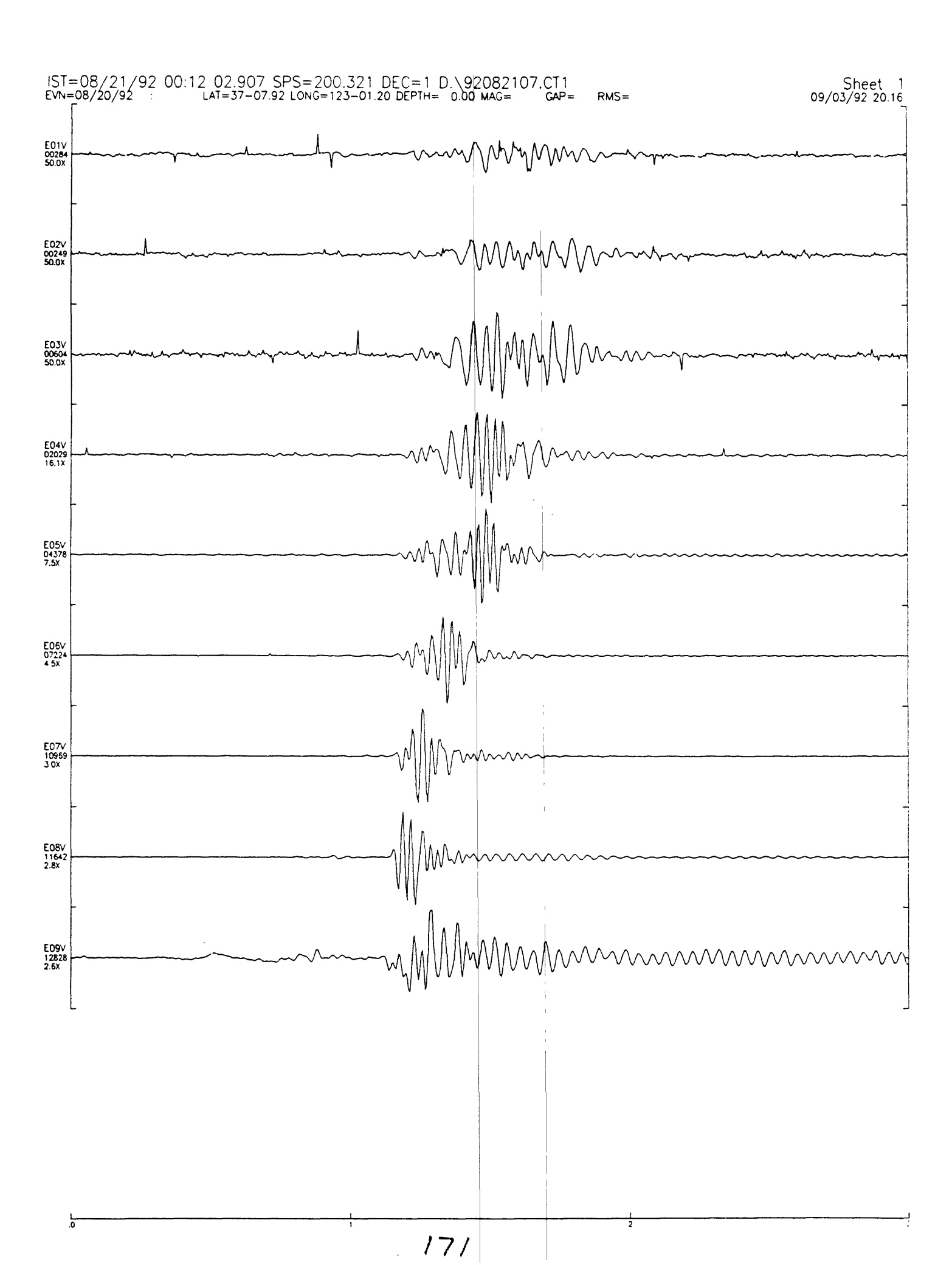
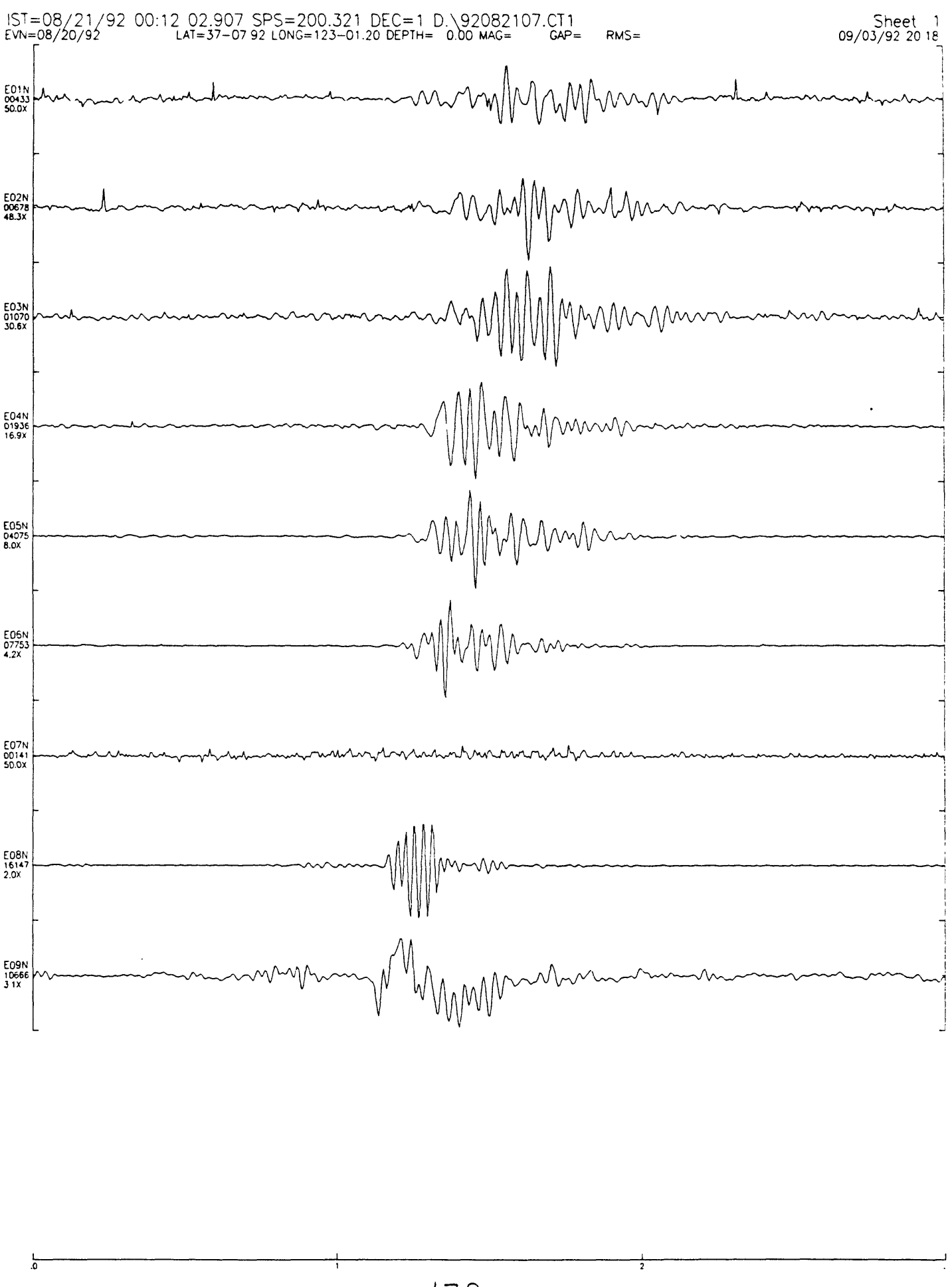
EVN=08/20/92 :
LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 20:13
N01N
00403
50.0X
N02N
00618
50.0X
N03N
01054
31.1X
N04N
01109
29.5X
N05N
00928
35.3X
N06N
01828
17.9X
N07N
02199
14.9X
N08N
01748
18.7X
N09N
00458
50.0X
N10N
00472
50.0X
N11N
00555
50.0X
N12N
00672
37.6X
.0
1
2

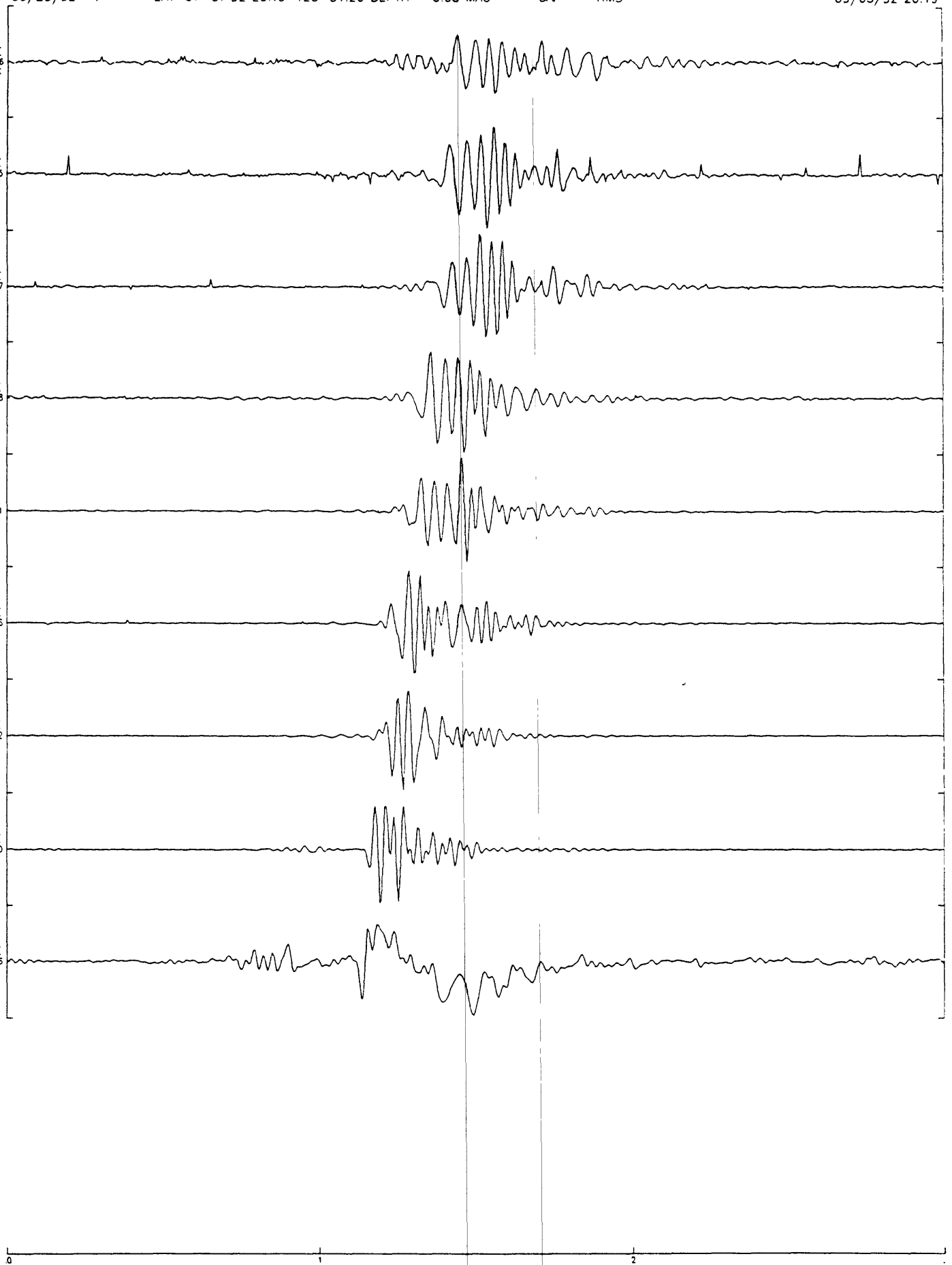

IST=08/21/92 00:12 02.907 SPS=200.321 DEC=1 D:\92082107.CT1
EVN=08/20/92
LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG=
GAP=
RMS=
Sheet 1
09/03/92 20 15
N01E
00406
50.0x
N02E
00927
35.3x
N03E
00983
33.3x
N04E
00992
33.0x
N05E
01563
21.0x
N06E
02673
12.3x
N07E
01381
23.7x
N08E
01170
28.0x
N09E
00506
50.0x
N10E
00315
50.0x
N11E
00535
50.0x
N12E
00472
50.0x
0
1
2

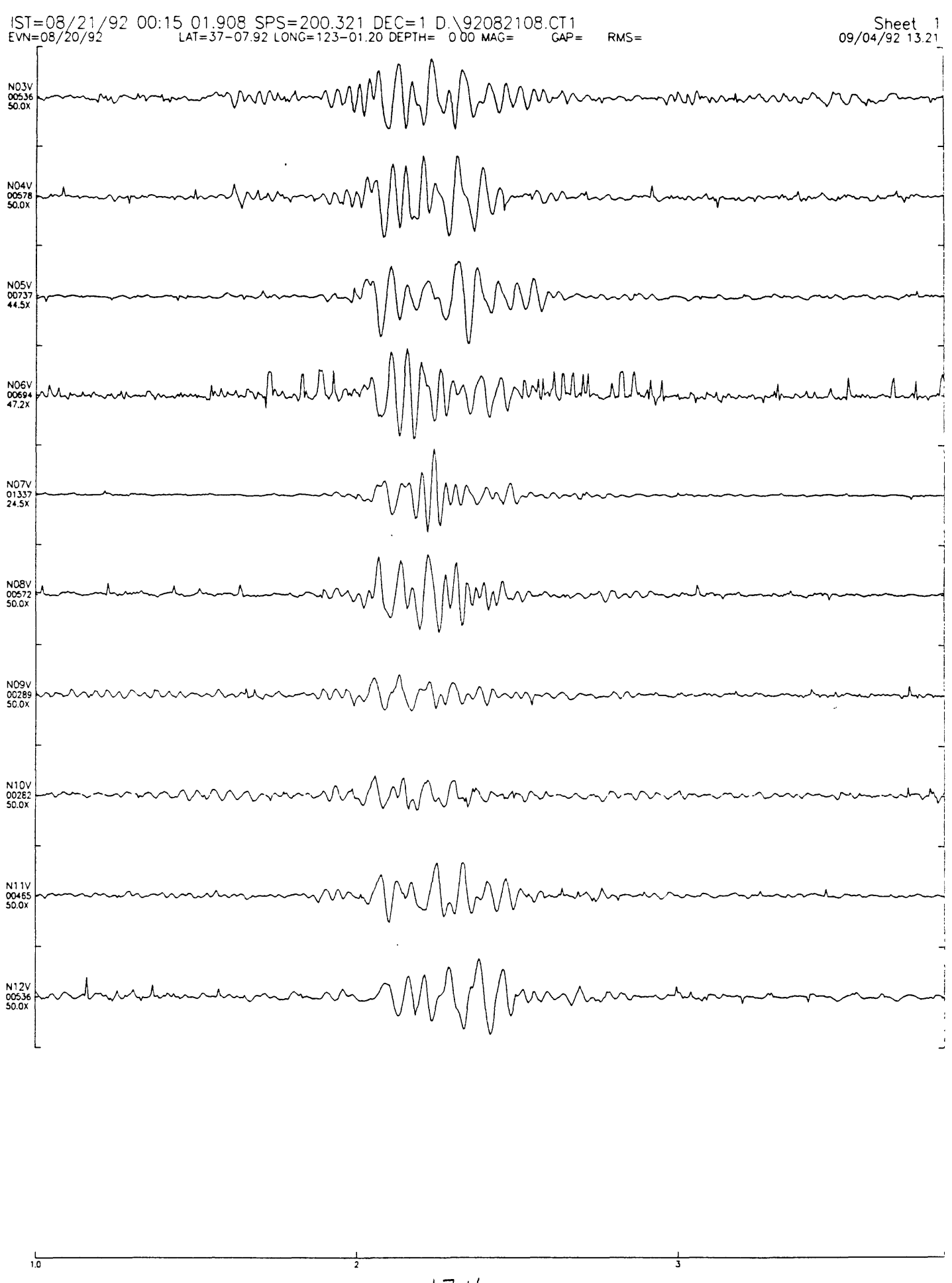

IST=08/21/92 00:12 02.907 SPS=200.321 DEC=1 D:\92082107.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/03/92 20.16
E01V
00284
50.0X
E02V
00249
50.0X
E03V
00604
50.0X
E04V
02029
16.1X
E05V
04378
7.5X
E06V
07224
4.5X
E07V
10959
3.0X
E08V
11642
2.8X
E09V
12828
2.6X
.0
1
2


IST=08/21/92 00:12 02.907 SPS=200.321 DEC=1 D.\92082107.CT1
EVN=08/20/92
LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG=
GAP=
RMS=
Sheet 1
09/03/92 20 18
E01N
00433
50.0X
E02N
00678
48.3X
E03N
01070
30.6X
E04N
01936
16.9X
E05N
04075
8.0X
E06N
07753
4.2X
E07N
00141
50.0X
E08N
16147
2.0X
E09N
10666
3 1X
.0
1
2

IST=08/21/92 00:12 02.907 SPS=200.321 DEC=1 D:\92082107.CT1
EVN=08/20/92 . LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=

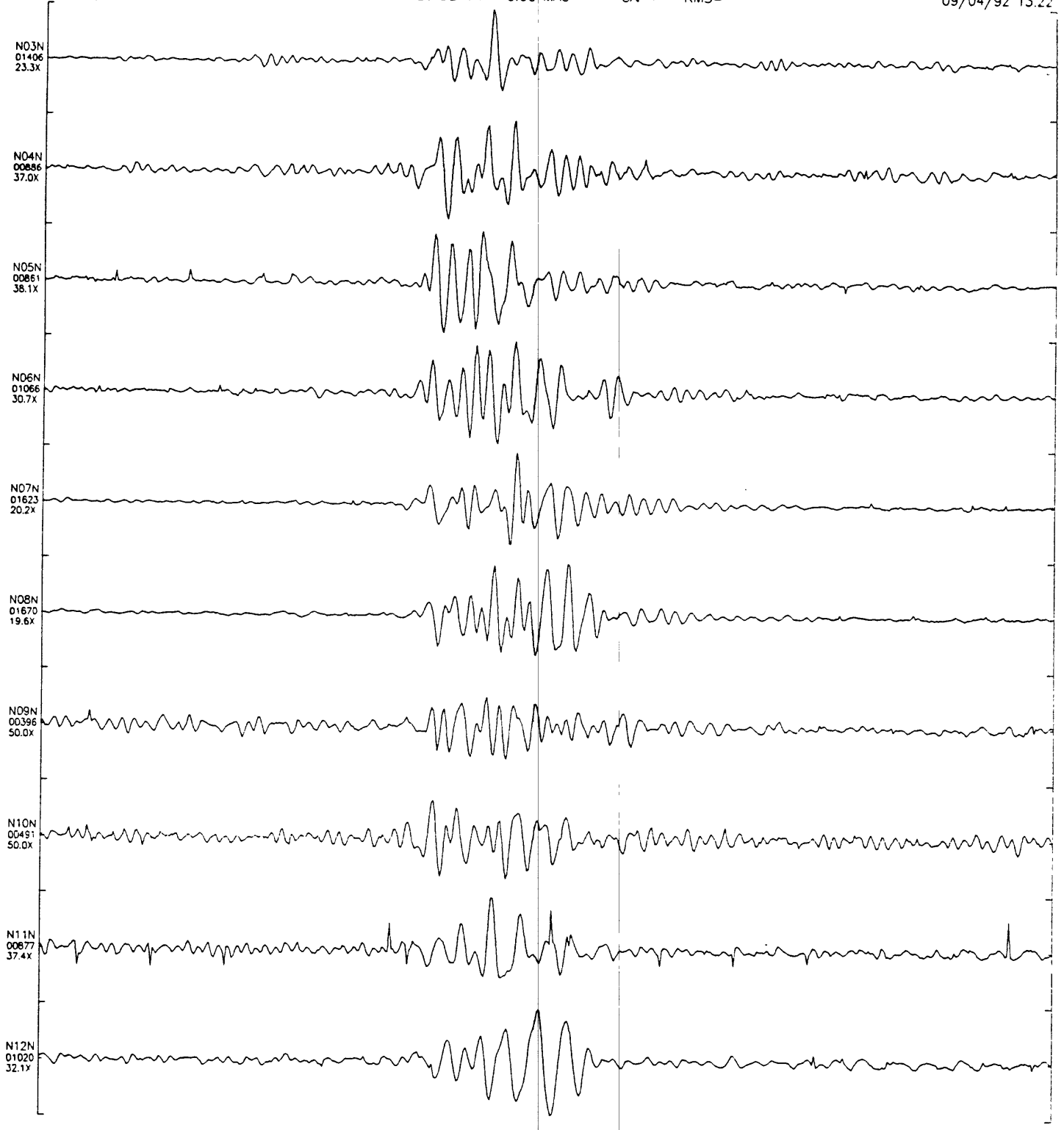
Sheet 1
09/03/92 20.19

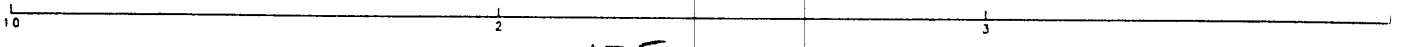


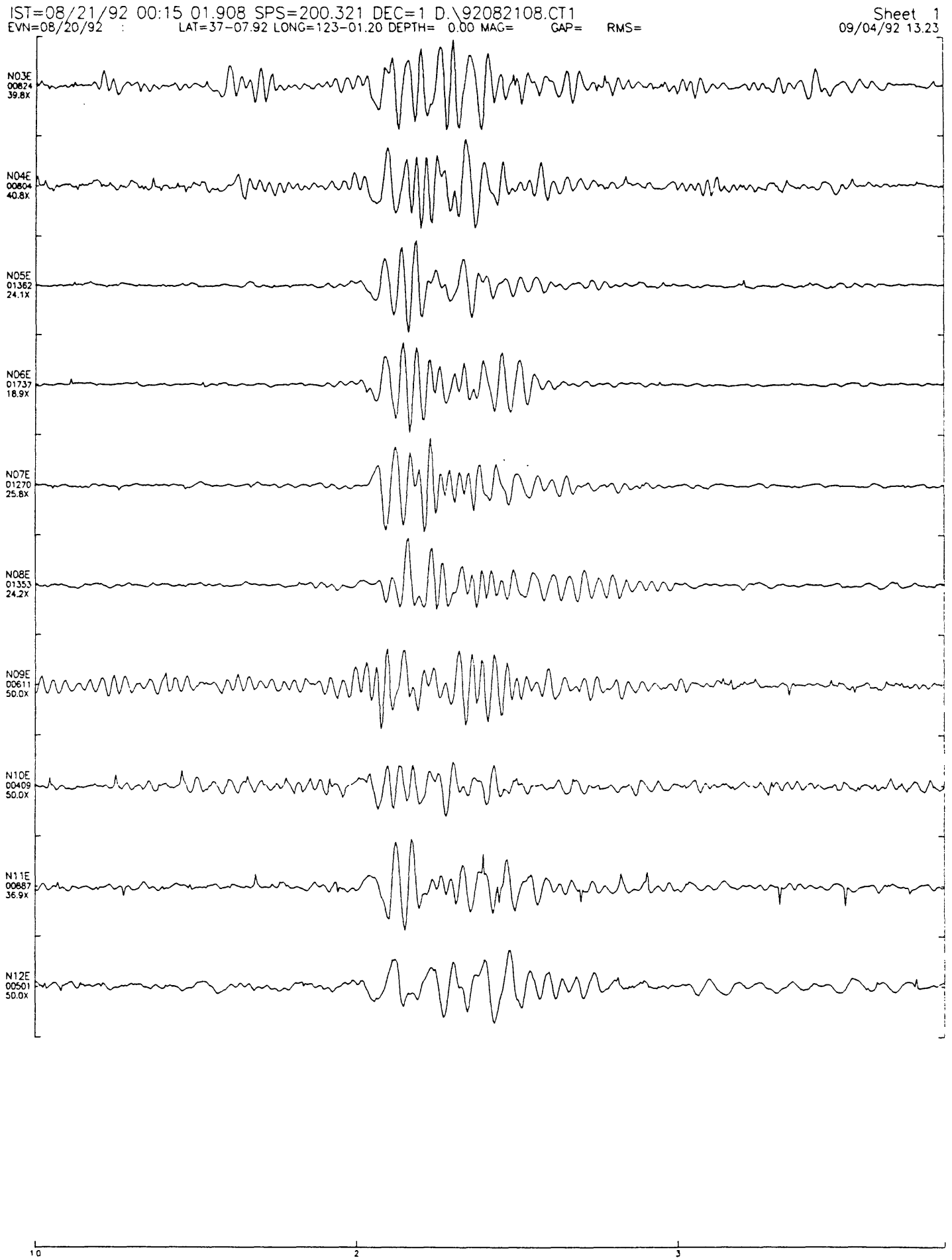

IST=08/21/92 00:15 01.908 SPS=200.321 DEC=1 D:\92082108.CT1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 13:21
N03V 00536 50.0X
N04V 00678 50.0X
N05V 00737 44.5X
N06V 00694 47.2X
N07V 01337 24.5X
N08V 00572 50.0X
N09V 00289 50.0X
N10V 00282 50.0X
N11V 00465 50.0X
N12V 00536 50.0X
1.0
2
3

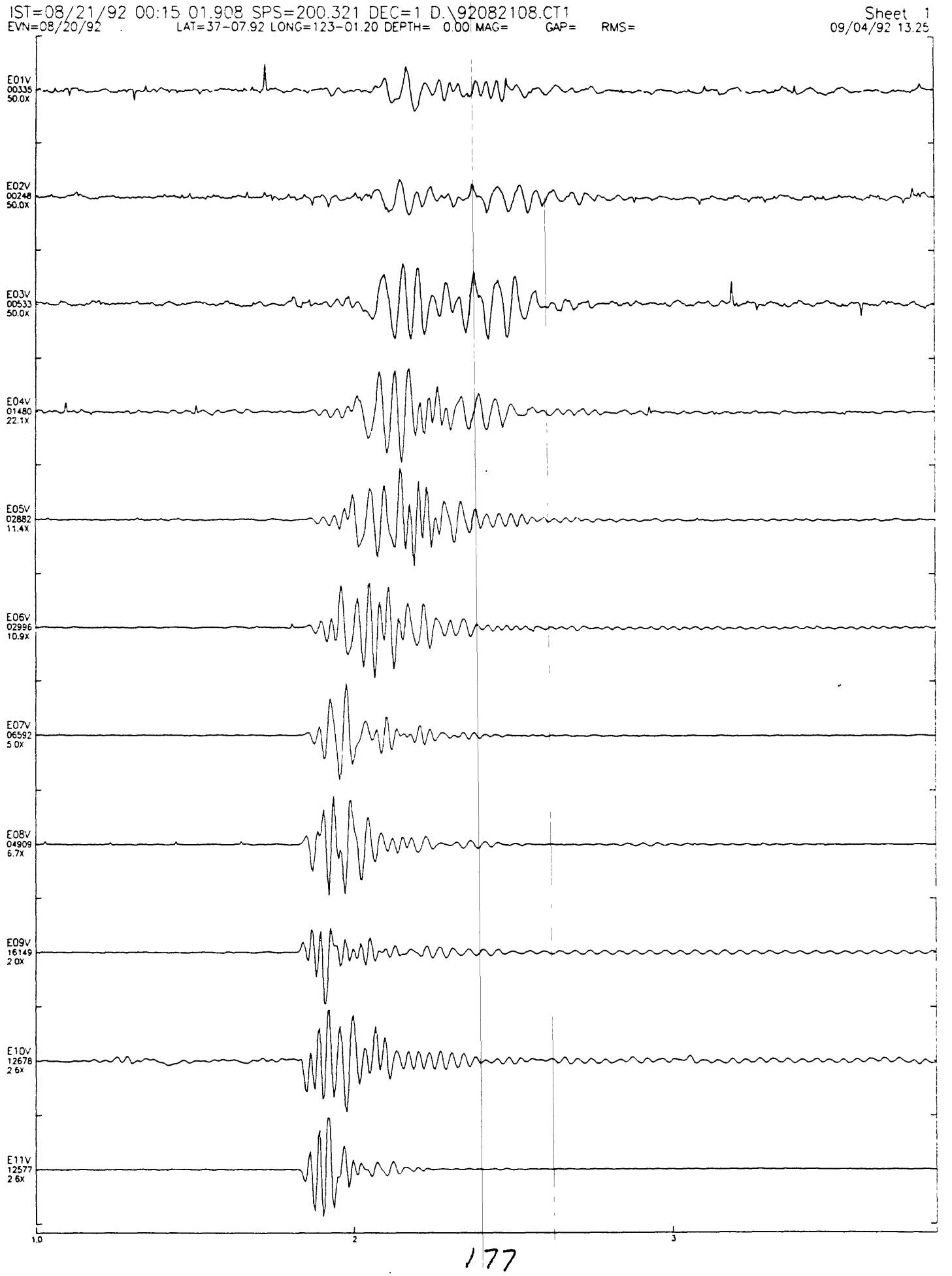
IST=08/21/92 00:15 01.908 SPS=200.321 DEC=1 D:\92082108.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=

Sheet 1
09/04/92 13.22

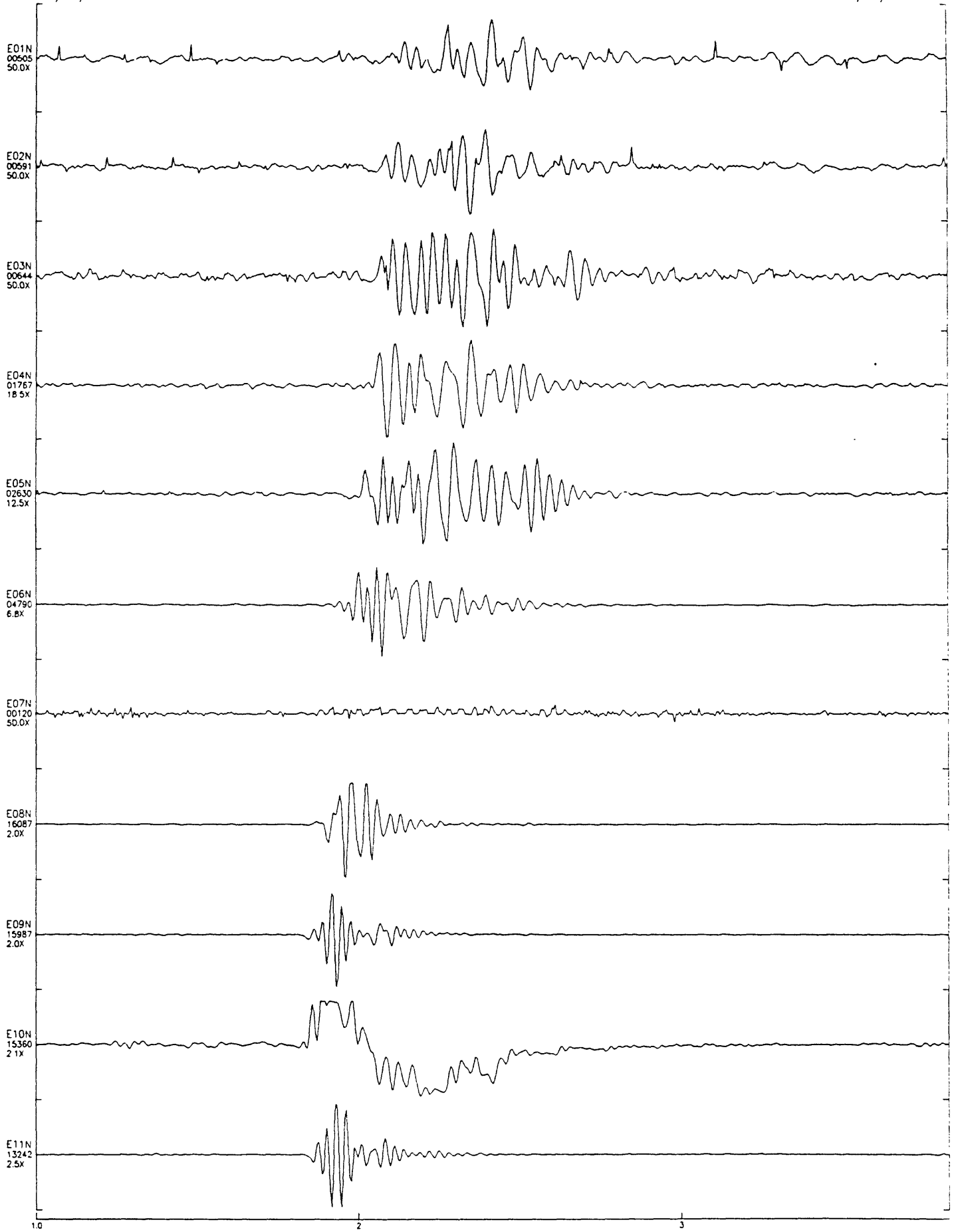





IST=08/21/92 00:15 01.908 SPS=200.321 DEC=1 D.\92082108.CT1
EVN=08/20/92
LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG=
GAP=
RMS=
Sheet 1
09/04/92 13.23
N03E
00824
39.8X
N04E
00804
40.8X
N05E
01362
24.1X
N06E
01737
18.9X
N07E
01270
25.8X
N08E
01353
24.2X
N09E
00611
50.0X
N10E
00409
50.0X
N11E
00887
36.9X
N12E
00501
50.0X
1.0
2
3

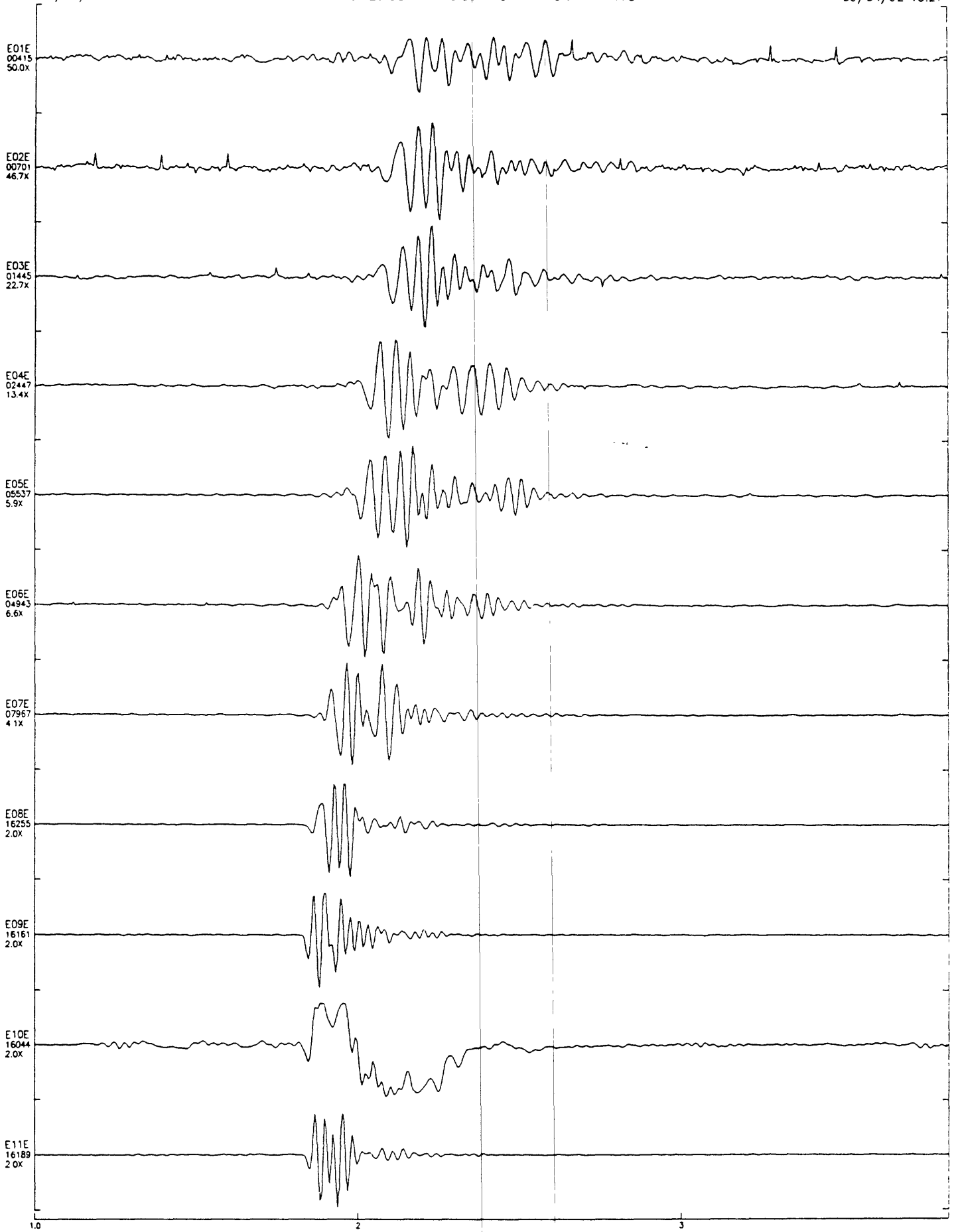

IST=08/21/92 00:15 01.908 SPS=200.321 DEC=1 D:\92082108.CT1
EVN=08/20/92
LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG=
GAP=
RMS=
Sheet 1
09/04/92 13.25
E01V
00335
50.0x
E02V
00248
50.0x
E03V
00533
50.0x
E04V
01480
22.1x
E05V
02882
11.4x
E06V
02996
10.9x
E07V
06592
5.0x
E08V
04909
6.7x
E09V
16149
2.0x
E10V
12678
2.6x
E11V
12577
2.6x
1.0
2
3

IST=08/21/92 00:15 01.908 SPS=200.321 DEC=1 D:\92082108.CT1 Sheet 1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS= 09/04/92 13.26

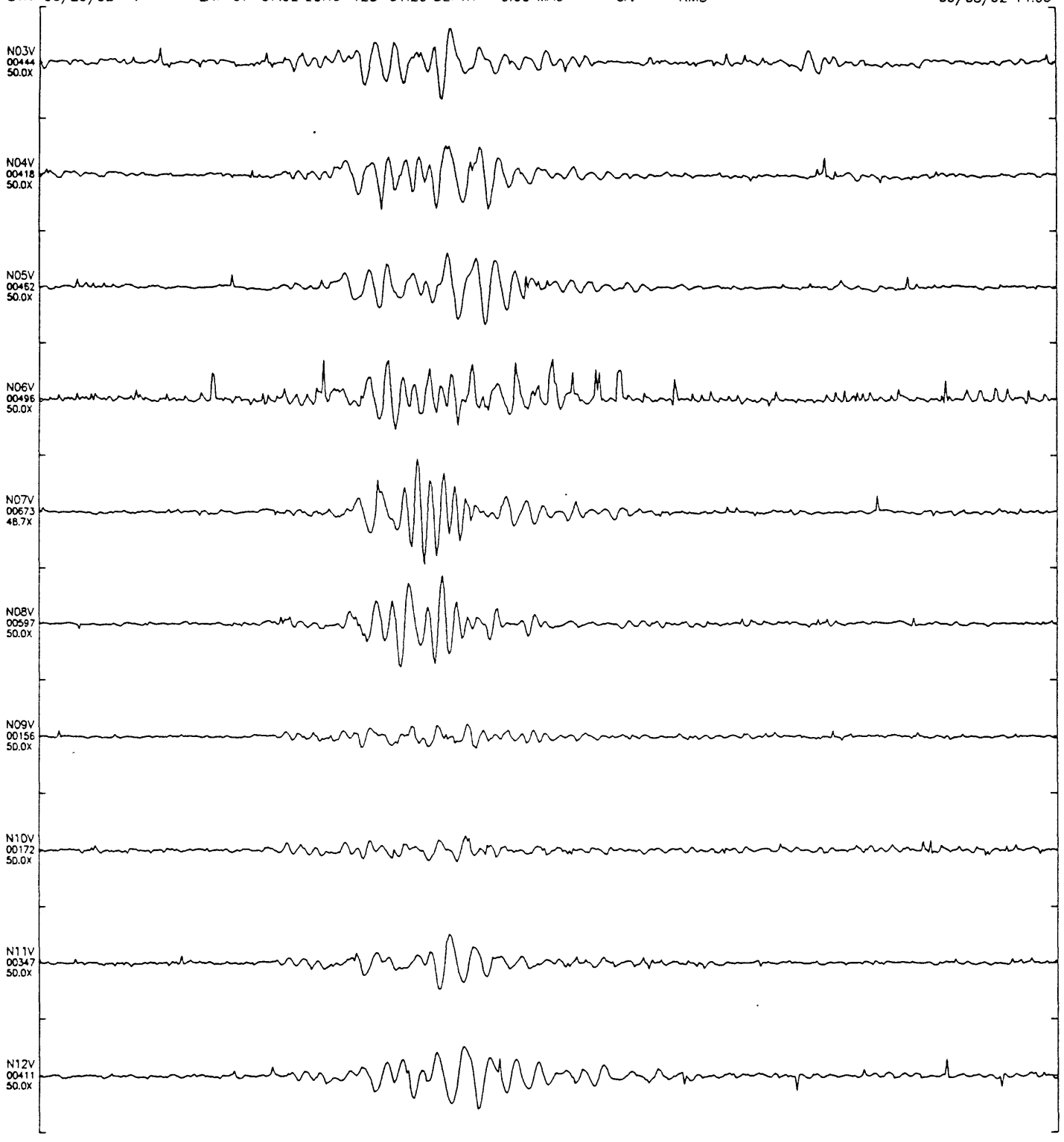


IST=08/21/92 00:15 01.908 SPS=200.321 DEC=1 D:\92082108.CT1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=

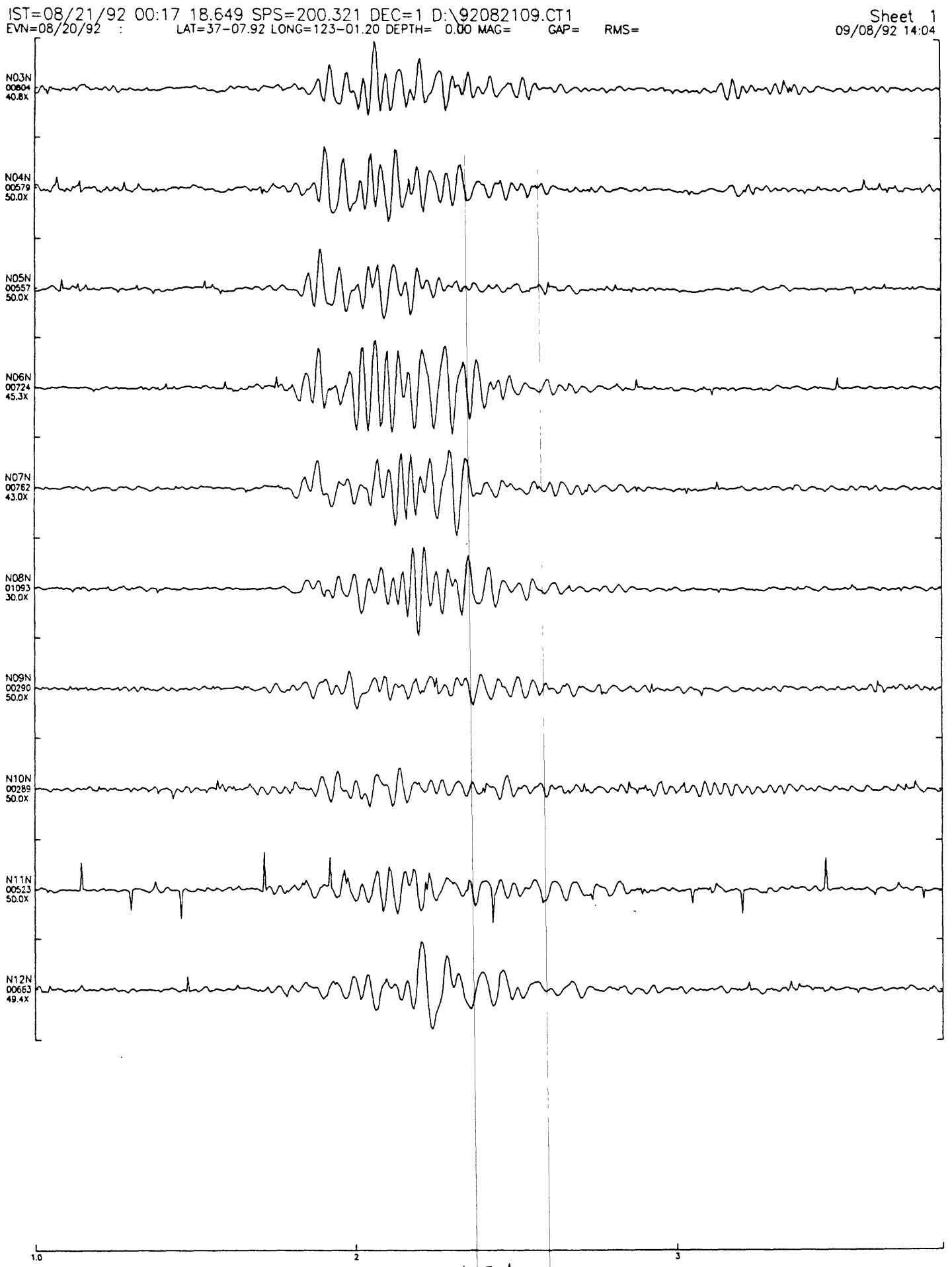
Sheet 1
09/04/92 13.27

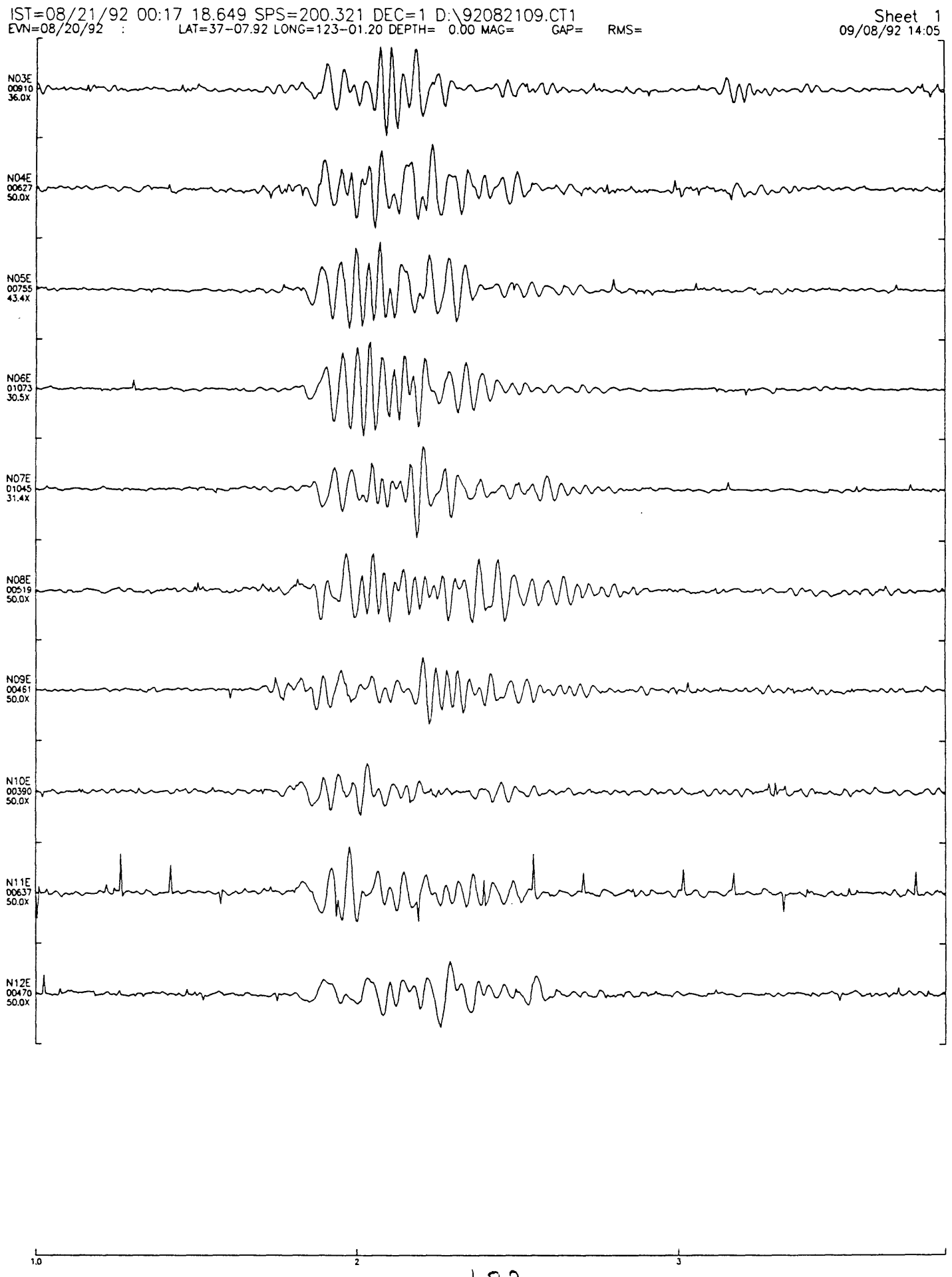


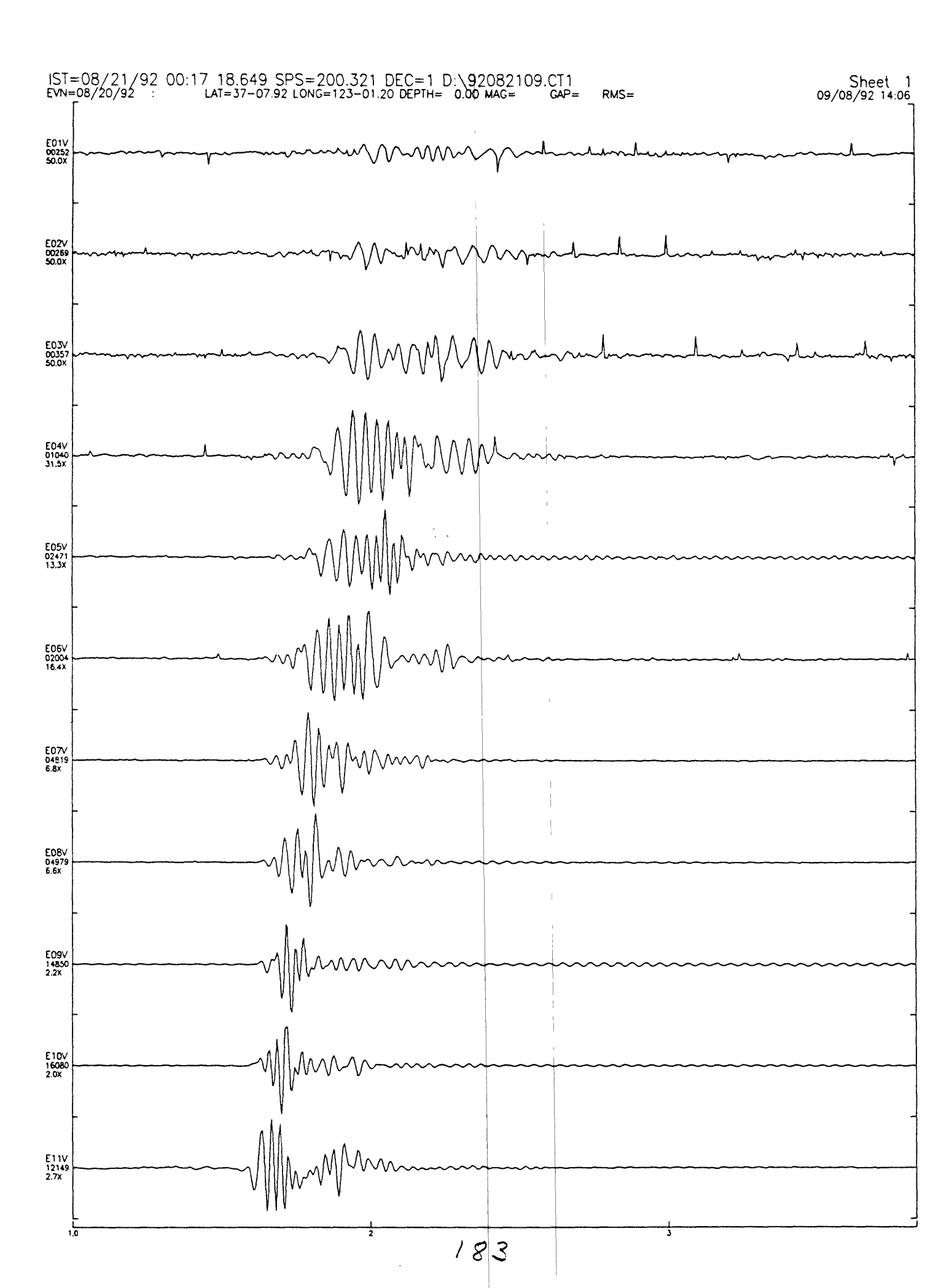
IST=08/21/92 00:17 18.649 SPS=200.321 DEC=1 D:\92082109.CT1 Sheet 1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS= 09/08/92 14:03

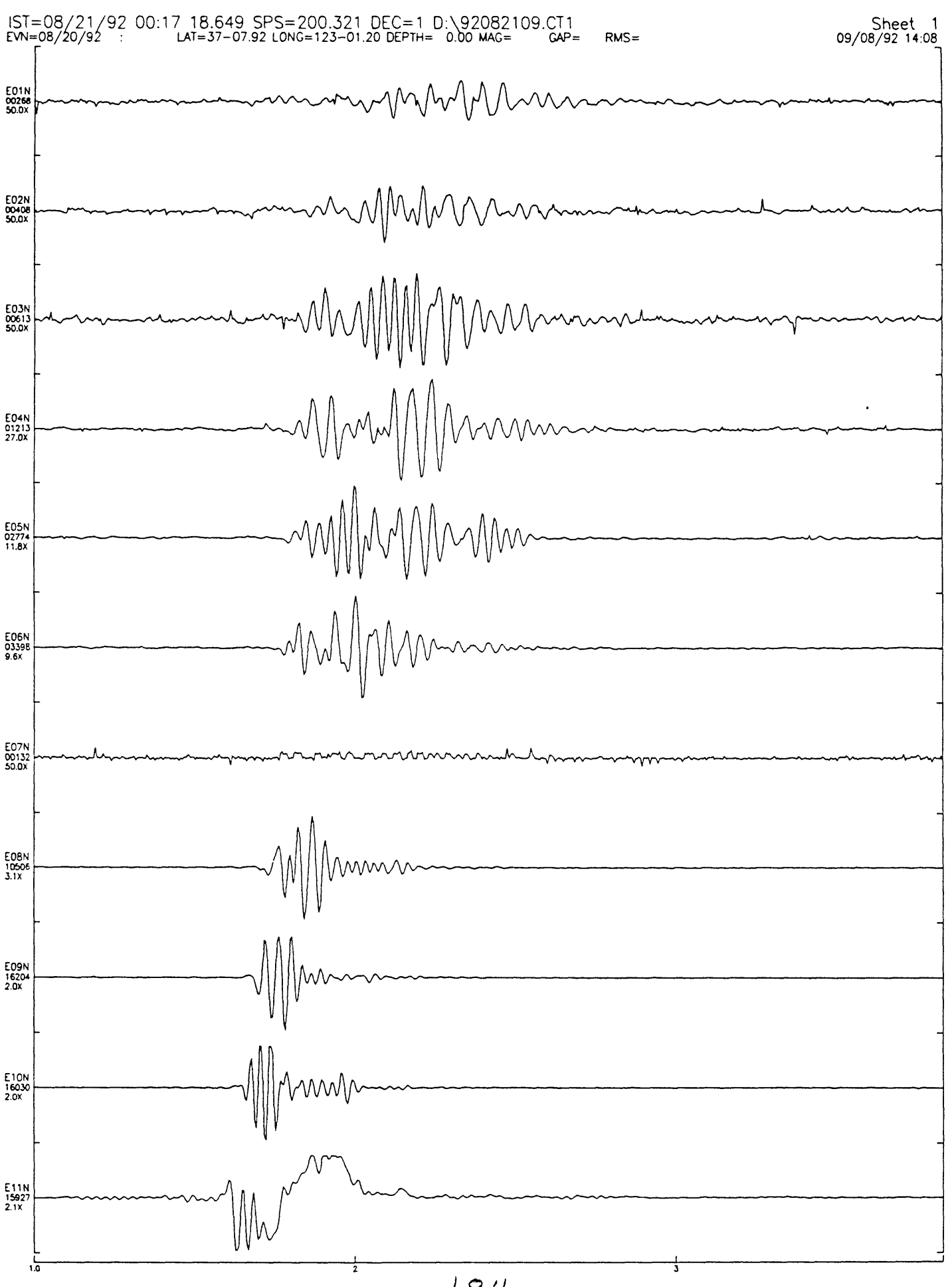


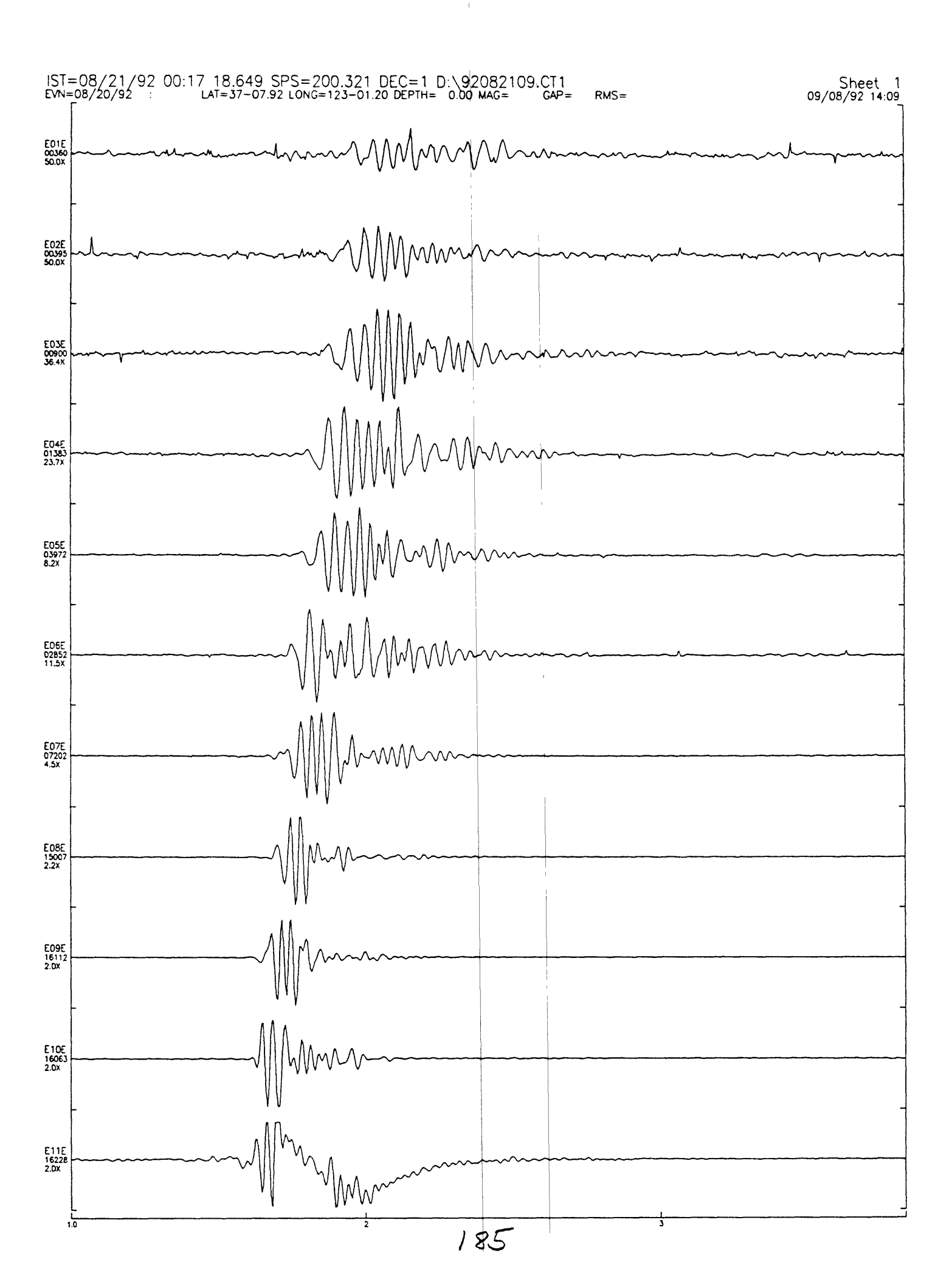
1.0 2 3

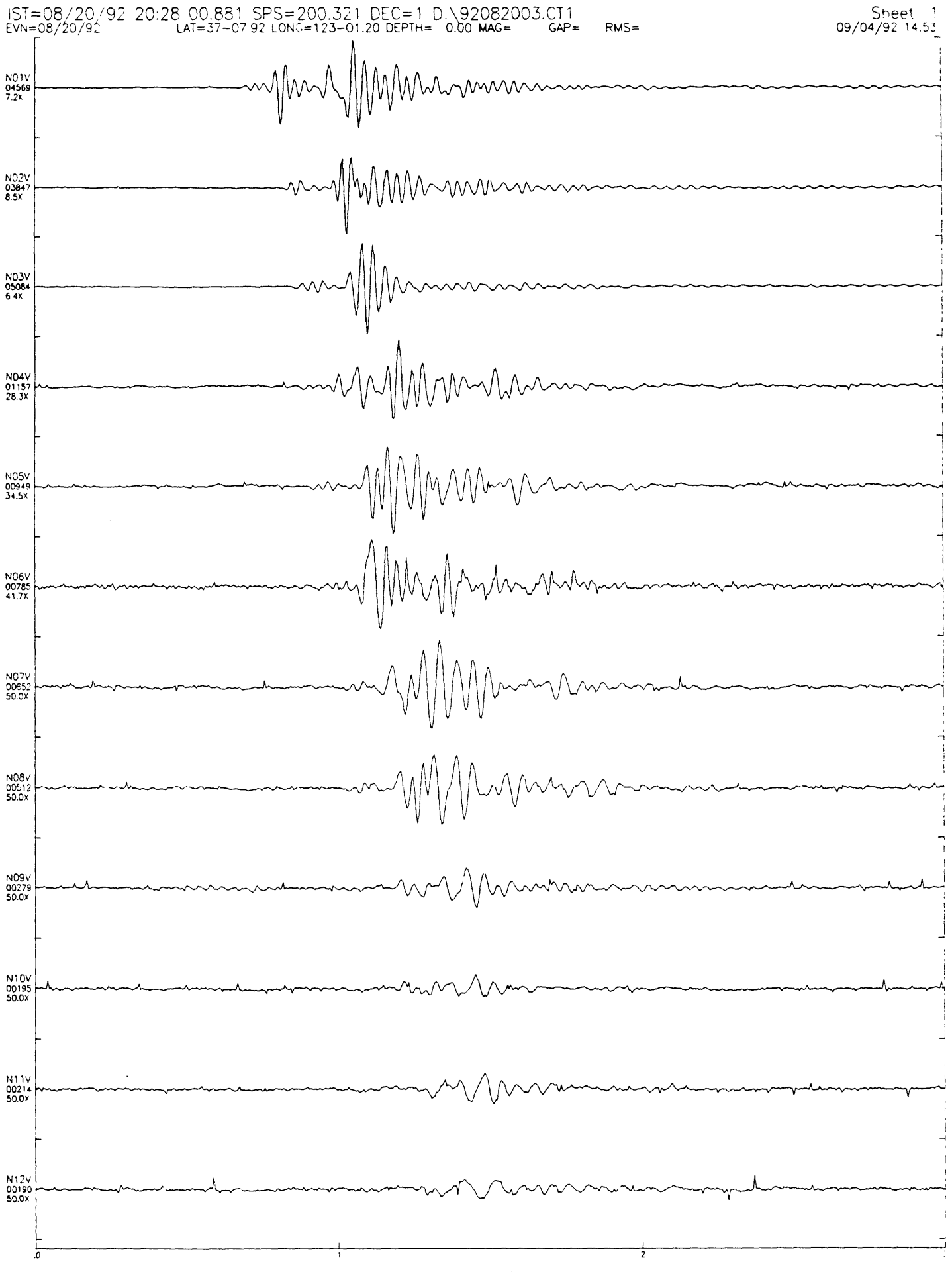

IST=08/21/92 00:17 18.649 SPS=200.321 DEC=1 D:\92082109.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/08/92 14:04
N03N
00604
40.8X
N04N
00579
50.0X
N05N
00557
50.0X
N06N
00724
45.3X
N07N
00762
43.0X
N08N
01093
30.0X
N09N
00290
50.0X
N10N
00289
50.0X
N11N
00523
50.0X
N12N
00663
49.4X
1.0
2
3

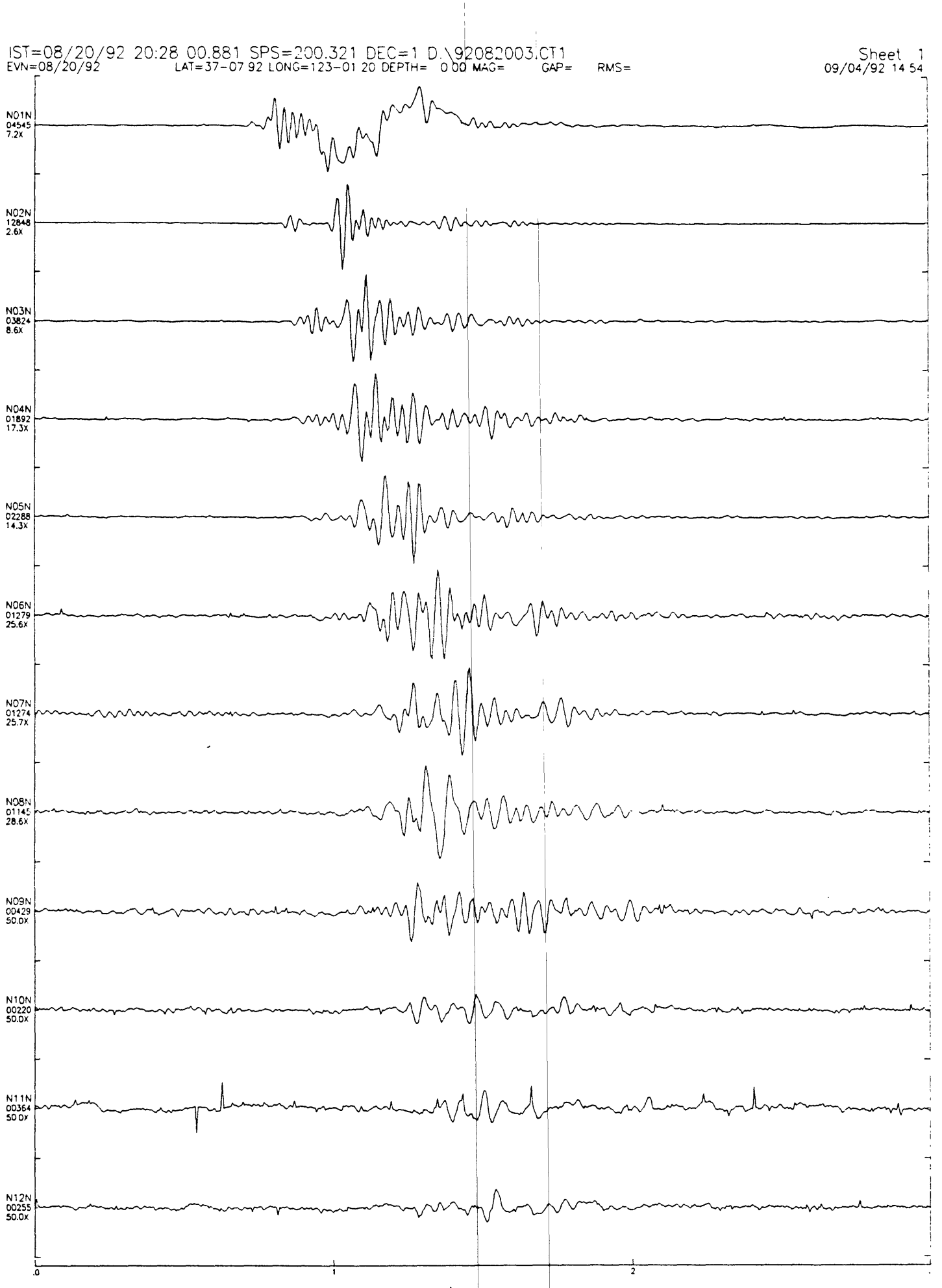

IST=08/21/92 00:17 18.649 SPS=200.321 DEC=1 D:\92082109.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/08/92 14:05
N03E
00910
36.0X
N04E
00627
50.0X
N05E
00755
43.4X
N06E
01073
30.5X
N07E
01045
31.4X
N08E
00519
50.0X
N09E
00461
50.0X
N10E
00390
50.0X
N11E
00637
50.0X
N12E
00470
50.0X
1.0
2
3

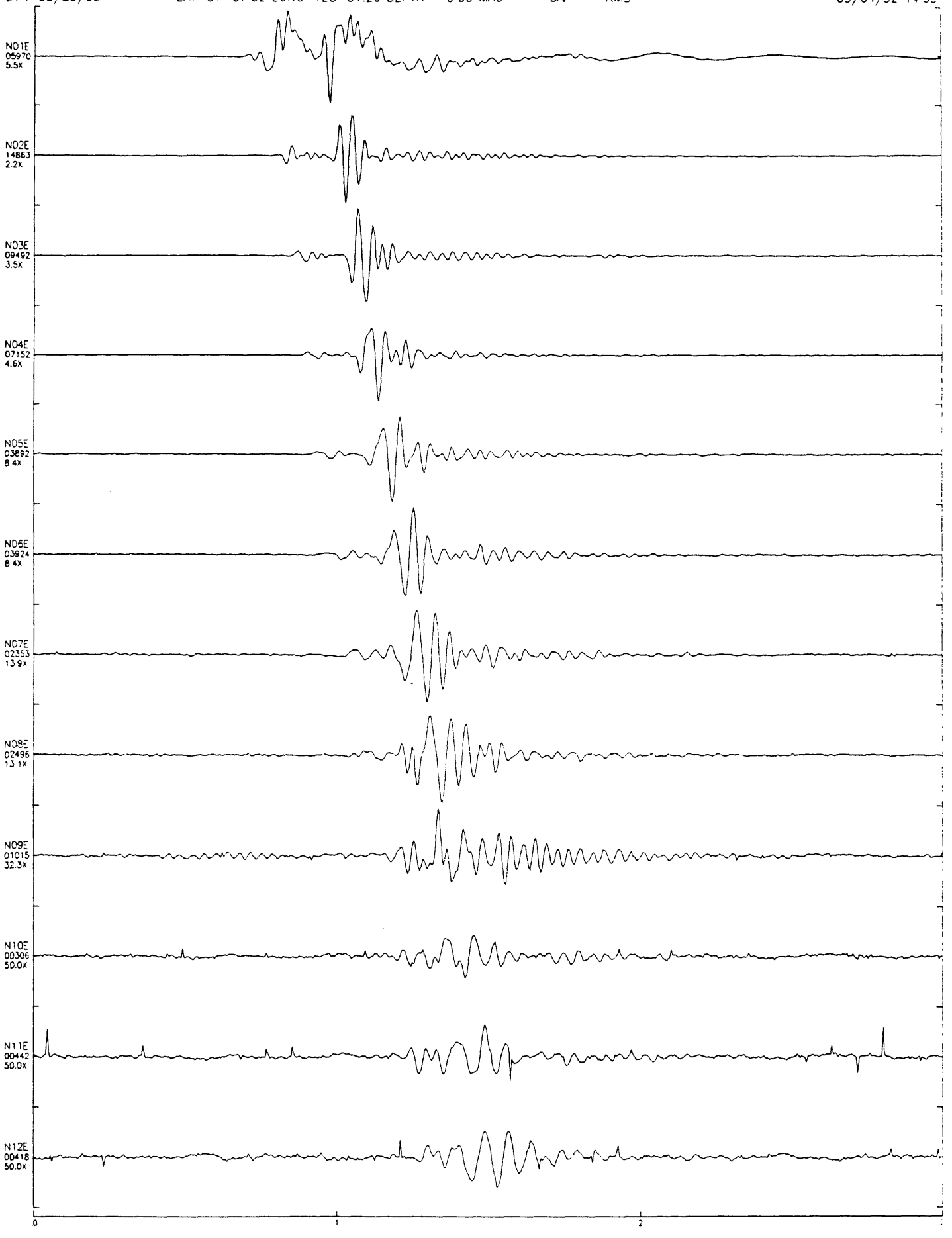

IST=08/21/92 00:17 18.649 SPS=200.321 DEC=1 D:\92082109.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/08/92 14:06
E01V
00252
50.0X
E02V
00269
50.0X
E03V
00357
50.0X
E04V
01040
31.5X
E05V
02471
13.3X
E06V
02004
16.4X
E07V
04819
6.8X
E08V
04979
6.6X
E09V
14850
2.2X
E10V
16080
2.0X
E11V
12149
2.7X
1.0
2
3

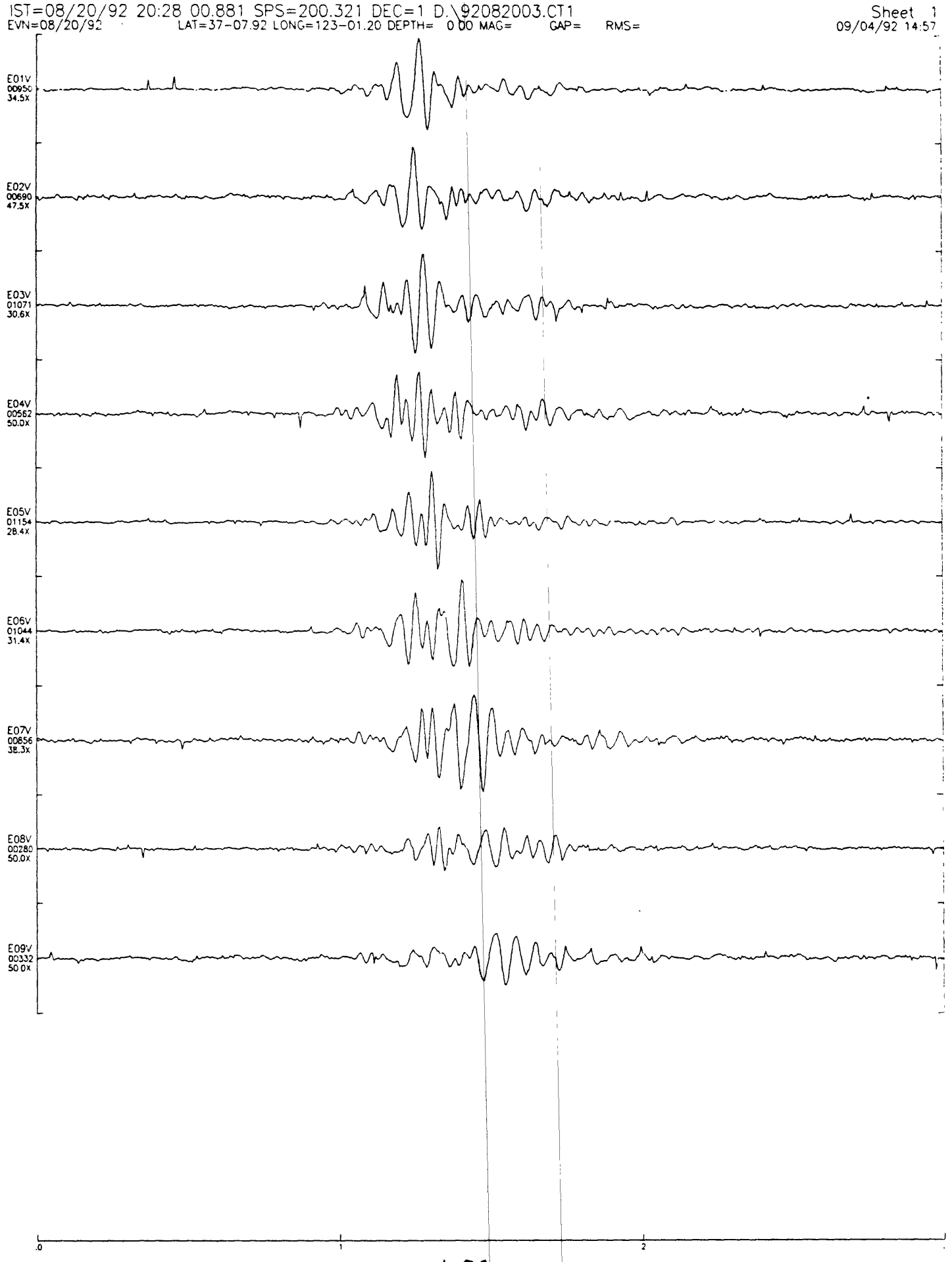

IST=08/21/92 00:17 18.649 SPS=200.321 DEC=1 D:\92082109.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/08/92 14:08
E01N
00268
50.0X
E02N
00408
50.0X
E03N
00613
50.0X
E04N
01213
27.0X
E05N
02774
11.8X
E06N
03398
9.6X
E07N
00132
50.0X
E08N
10506
3.1X
E09N
16204
2.0X
E10N
16030
2.0X
E11N
15927
2.1X
1.0
2
3


IST=08/21/92 00:17 18.649 SPS=200.321 DEC=1 D:\92082109.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/08/92 14:09
E01E
00360
50.0X
E02E
00395
50.0X
E03E
00900
36.4X
E04E
01383
23.7X
E05E
03972
8.2X
E06E
02852
11.5X
E07E
07202
4.5X
E08E
15007
2.2X
E09E
16112
2.0X
E10E
16063
2.0X
E11E
16228
2.0X
1.0
2
3

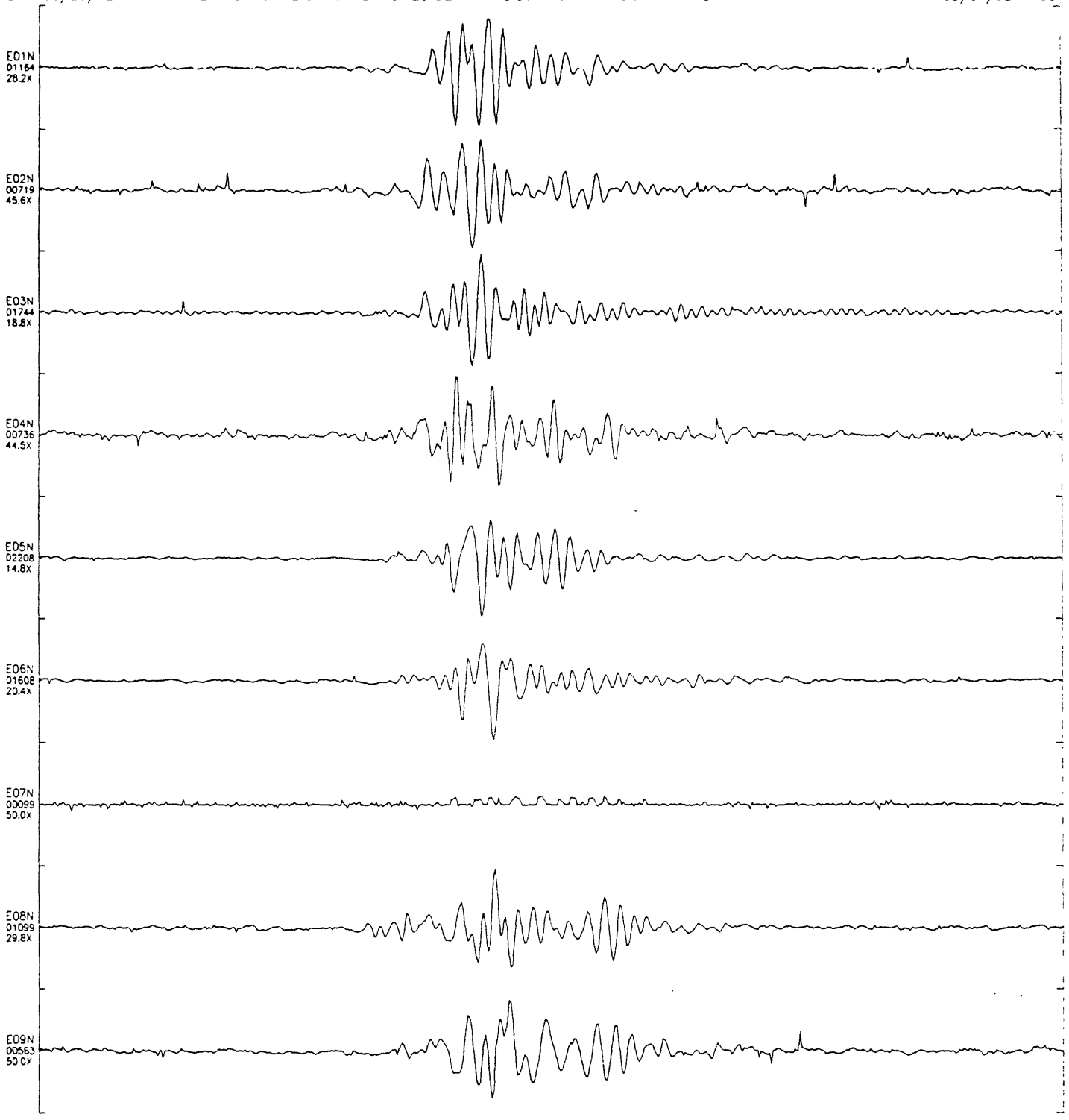

IST=08/20/92 20:28 00.881 SPS=200.321 DEC=1 D:\92082003.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 14.53
N01V 04569 7.2x
N02V 03847 8.5x
N03V 05084 6.4x
N04V 01157 28.3x
N05V 00949 34.5x
N06V 00785 41.7x
N07V 00652 50.0x
N08V 00512 50.0x
N09V 00279 50.0x
N10V 00195 50.0x
N11V 00214 50.0x
N12V 00190 50.0x
0
1
2

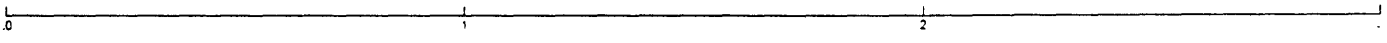

IST=08/20/92 20:28 00.881 SPS=200.321 DEC=1 D:\92082003.CT1
Sheet 1
EVN=08/20/92 LAT=37-07 92 LONG=123-01 20 DEPTH= 0 00 MAG= GAP= RMS=
09/04/92 14 54
N01N
04545
7.2X
N02N
12848
2.6X
N03N
03824
8.6X
N04N
01892
17.3X
N05N
02288
14.3X
N06N
01279
25.6X
N07N
01274
25.7X
N08N
01145
28.6X
N09N
00429
50.0X
N10N
00220
50.0X
N11N
00364
50.0X
N12N
00255
50.0X
.0
1
2

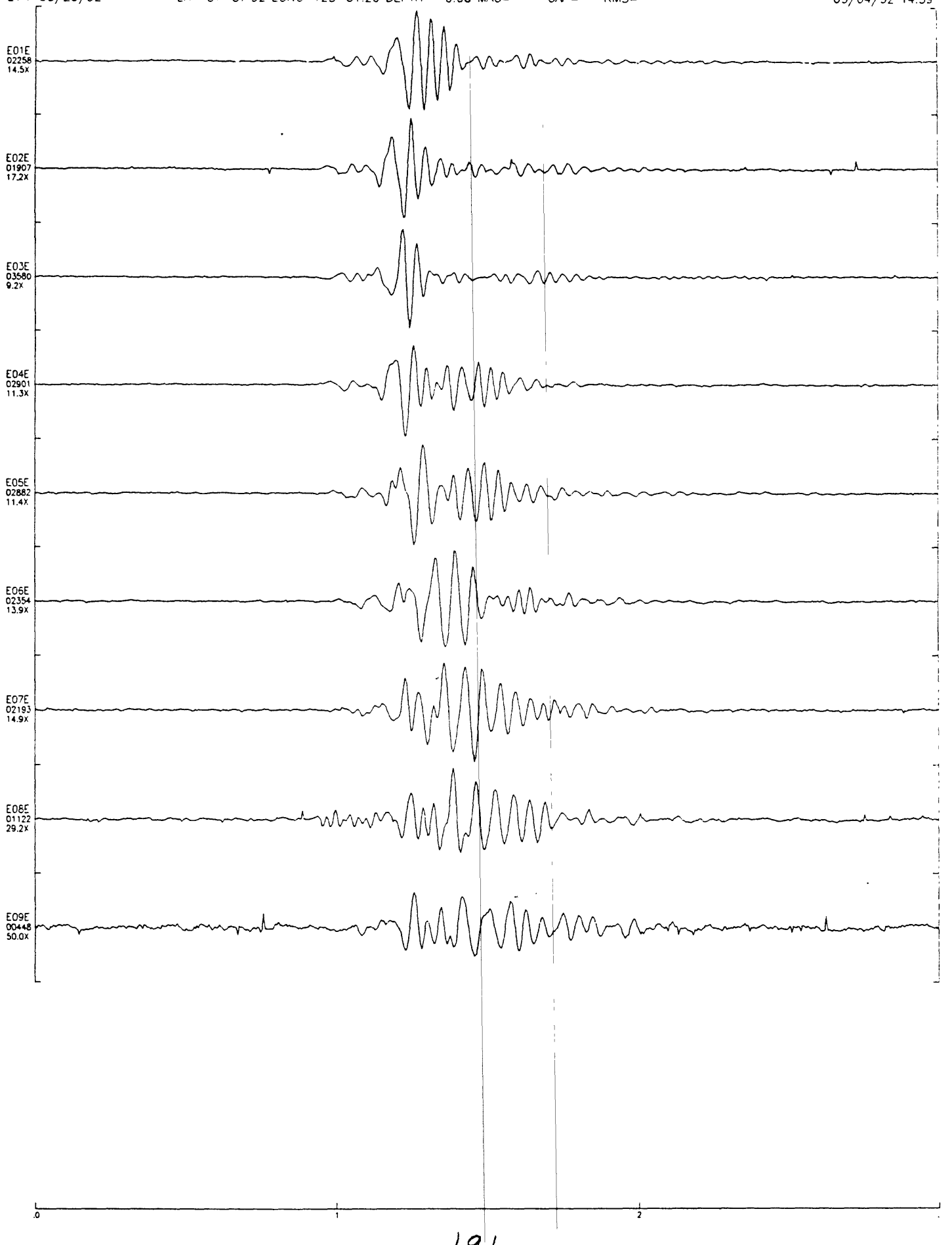

IST=08/20/92 20.28 00.881 SPS=200.321 DEC=1 D:\92082003.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0 00 MAG= GAP= RMS=
Sheet 1
09/04/92 14 55
N01E
05970
5.5x
N02E
14863
2.2x
N03E
09492
3.5x
N04E
07152
4.6x
N05E
03892
8 4x
N06E
03924
8 4x
N07E
02353
13 9x
N08E
02496
13 1x
N09E
01015
32.3x
N10E
00306
50.0x
N11E
00442
50.0x
N12E
00418
50.0x
.0
1
2

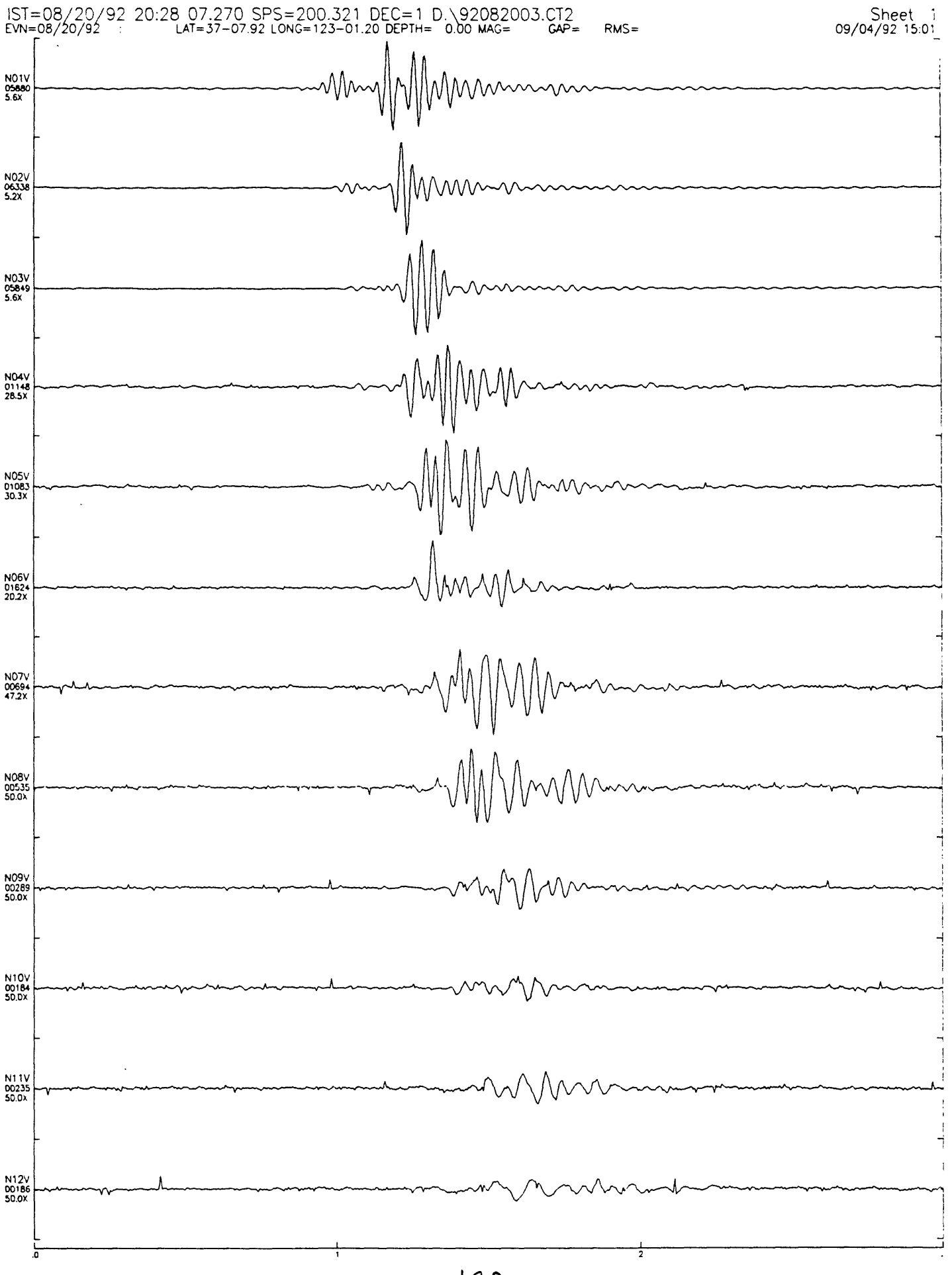

IST=08/20/92 20:28 00.881 SPS=200.321 DEC=1 D.\92082003.CT1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 14:57
E01V
00950
34.5X
E02V
00690
47.5X
E03V
01071
30.6X
E04V
00562
50.0X
E05V
01154
28.4X
E06V
01044
31.4X
E07V
00656
38.3X
E08V
00280
50.0X
E09V
00332
50.0X
.0
1
2

IST=08/20/92 20:28 00.881 SPS=200.321 DEC=1 D:\92082003.CT1 Sheet 1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS= 09/04/92 14 58






IST=08/20/92 20:28 00.881 SPS=200.321 DEC=1 D:\92082003.CT1
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 14:59
E01E
02258
14.5x
E02E
01907
17.2x
E03E
03580
9.2x
E04E
02901
11.3x
E05E
02882
11.4x
E06E
02354
13.9x
E07E
02193
14.9x
E08E
01122
29.2x
E09E
00448
50.0x
0
1
2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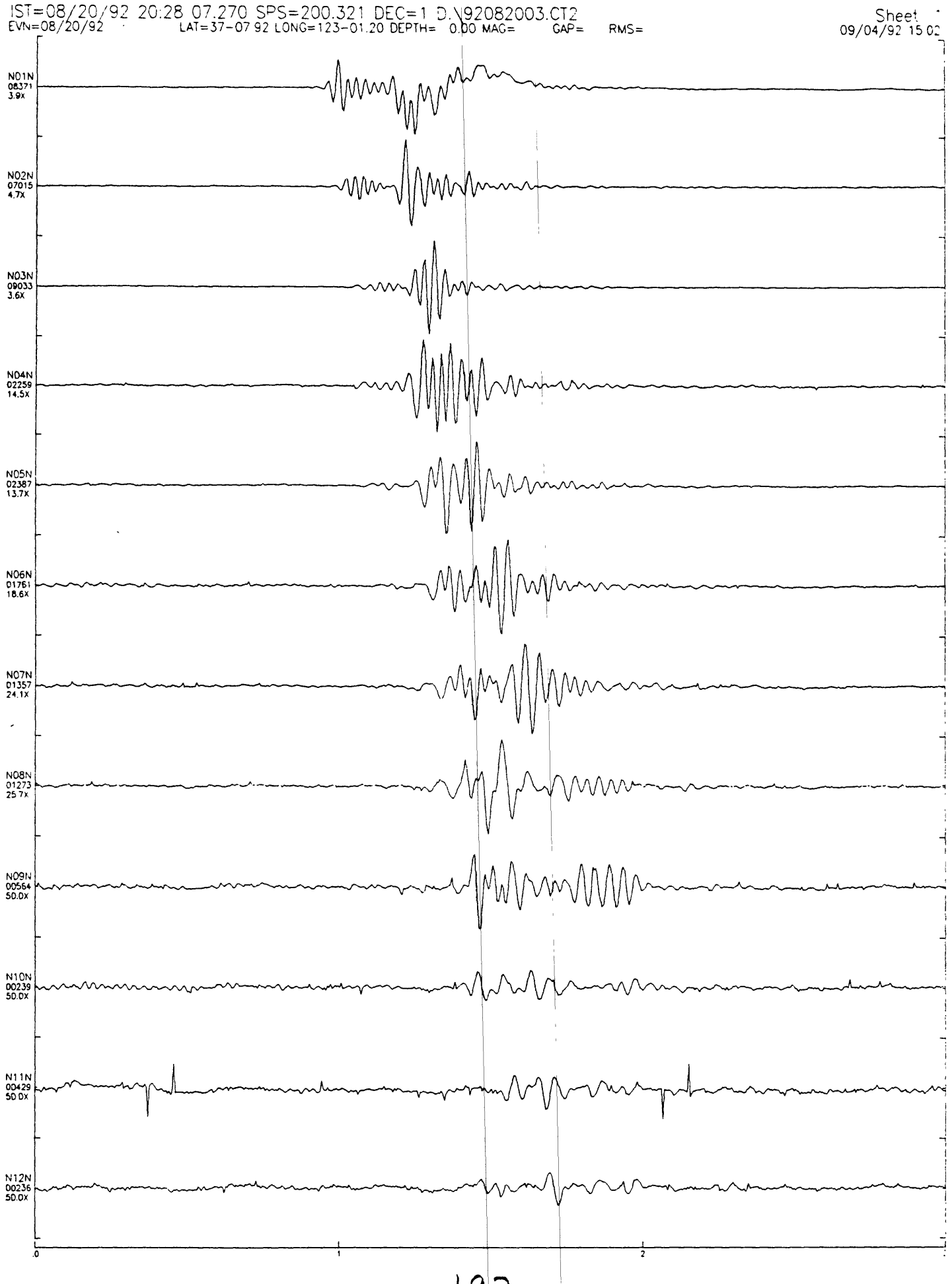
Sheet 1
09/04/92 15:01
N01V
05880
5.6X
N02V
06338
5.2X
N03V
05849
5.6X
N04V
01148
28.5X
N05V
01083
30.3X
N06V
01624
20.2X
N07V
00694
47.2X
N08V
00535
50.0X
N09V
00289
50.0X
N10V
00184
50.0X
N11V
00235
50.0X
N12V
00186
50.0X
.0
1
2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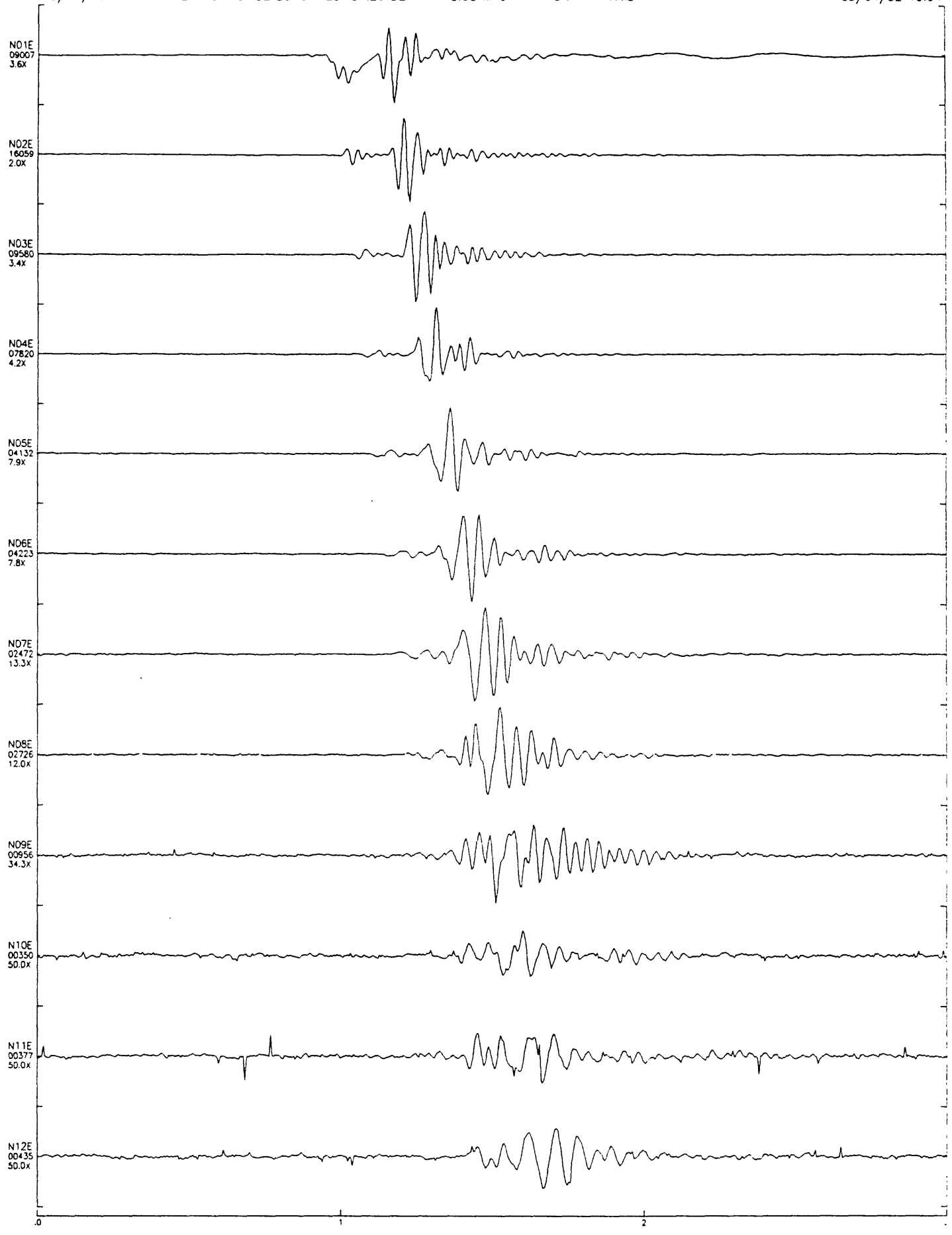
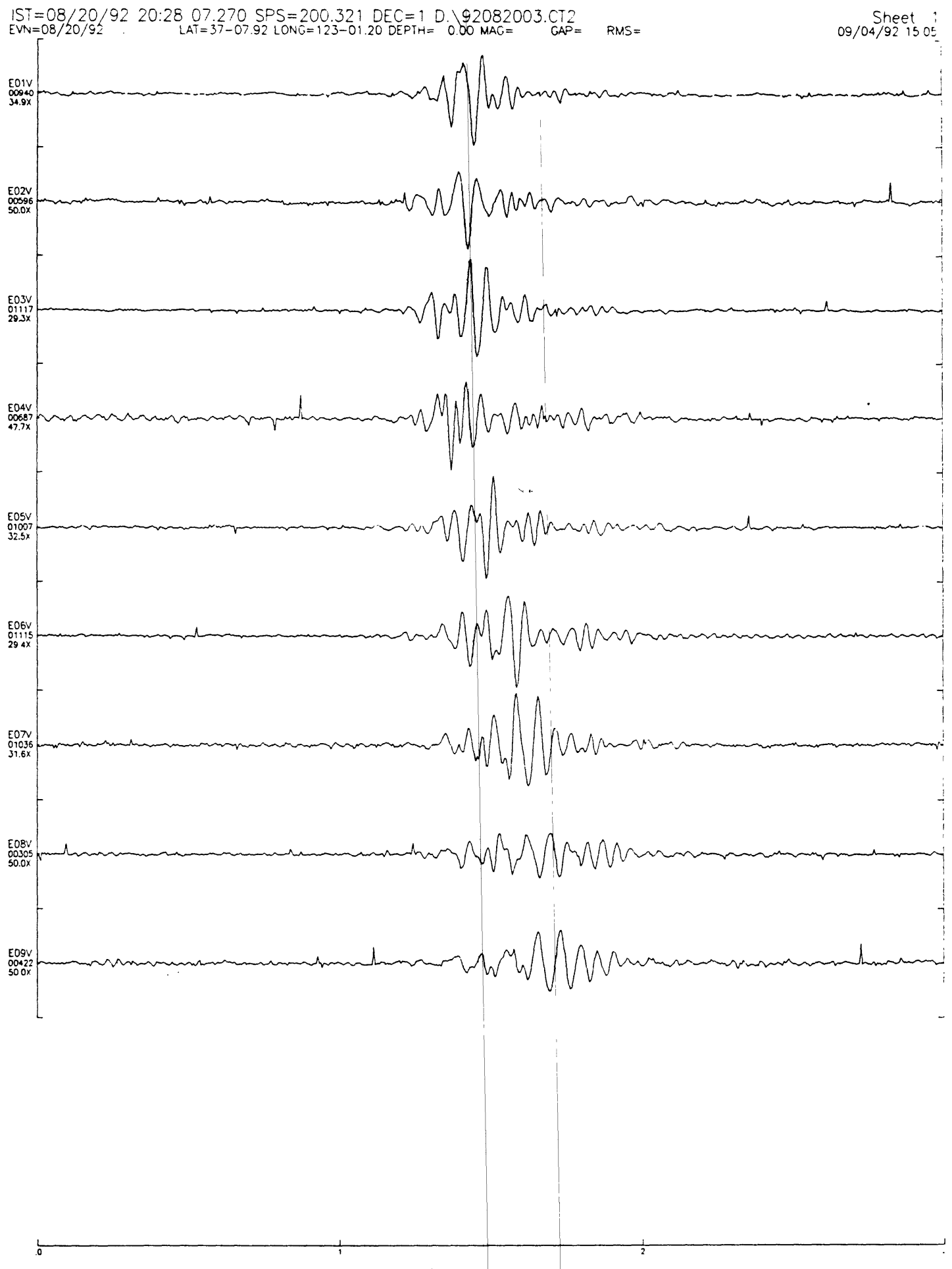
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet
09/04/92 15 02
N01N
08371
3.9x
N02N
07015
4.7x
N03N
09033
3.6x
N04N
02259
14.5x
N05N
02387
13.7x
N06N
01761
18.6x
N07N
01357
24.1x
N08N
01273
25.7x
N09N
00564
50.0x
N10N
00239
50.0x
N11N
00429
50.0x
N12N
00236
50.0x
0
1
2


N01E
09007
3.6X
N02E
16059
2.0X
N03E
09580
3.4X
N04E
07820
4.2X
N05E
04132
7.9X
N06E
04223
7.8X
N07E
02472
13.3X
N08E
02726
12.0X
N09E
00956
34.3X
N10E
00350
50.0X
N11E
00377
50.0X
N12E
00435
50.0X
0
1
2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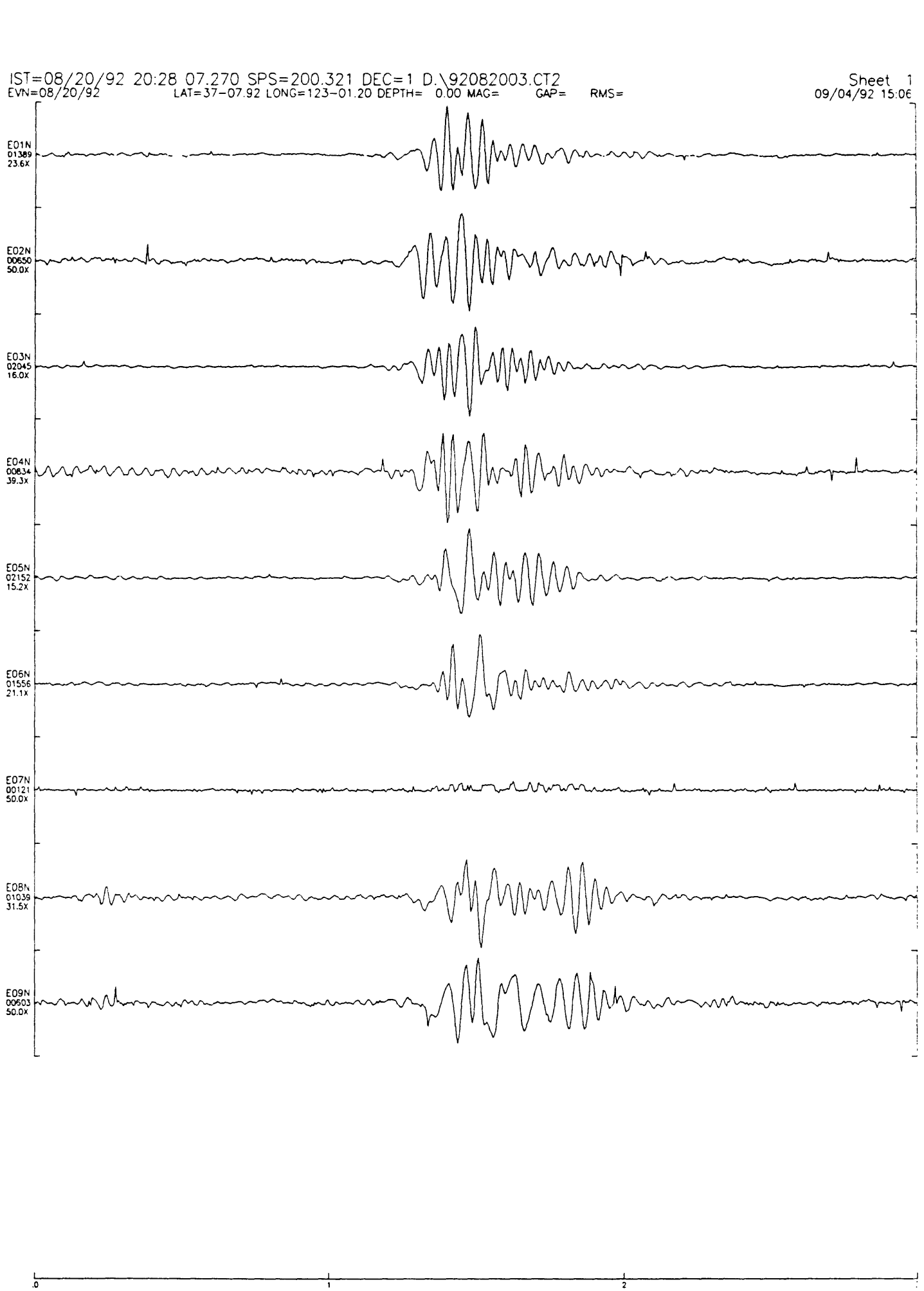
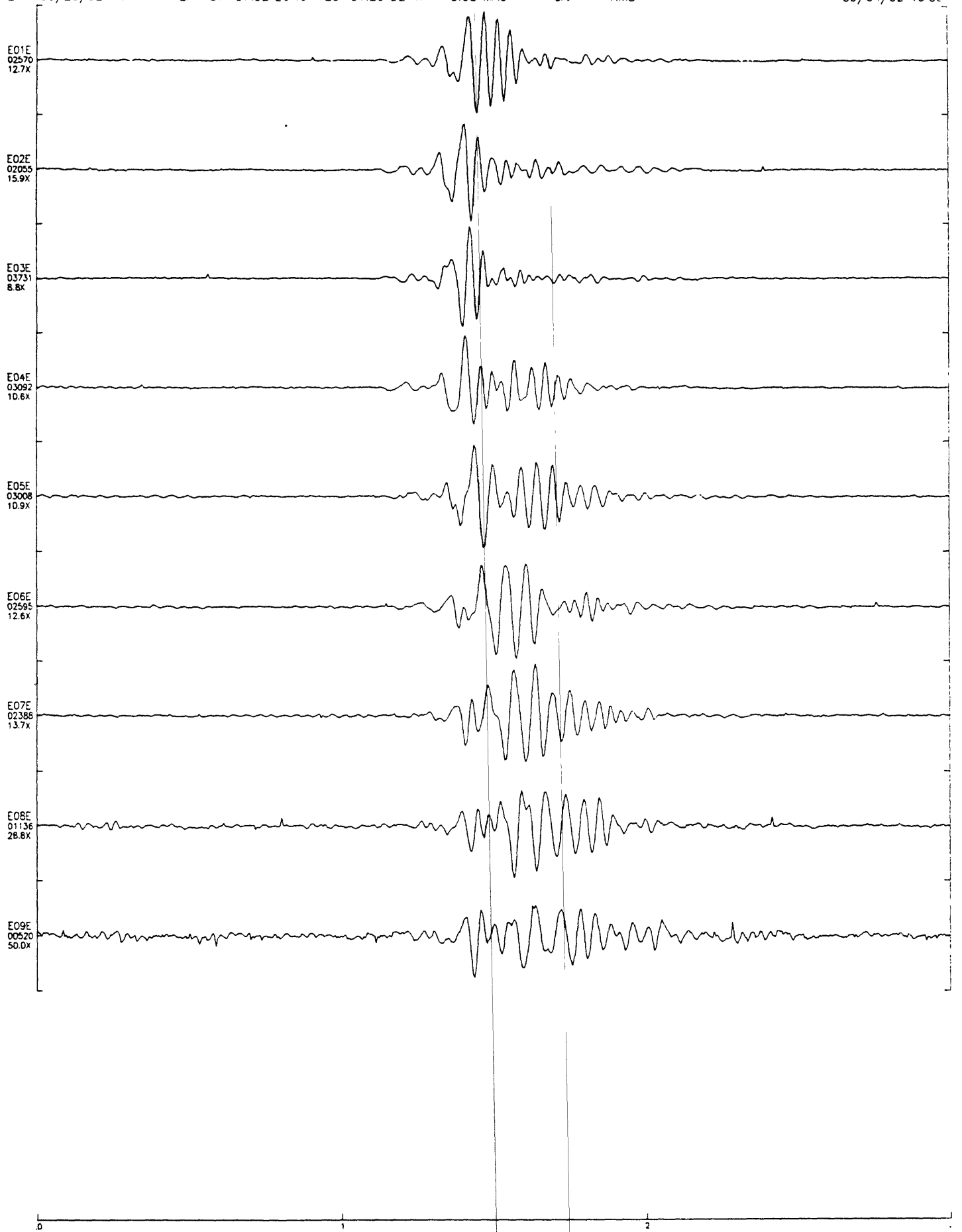
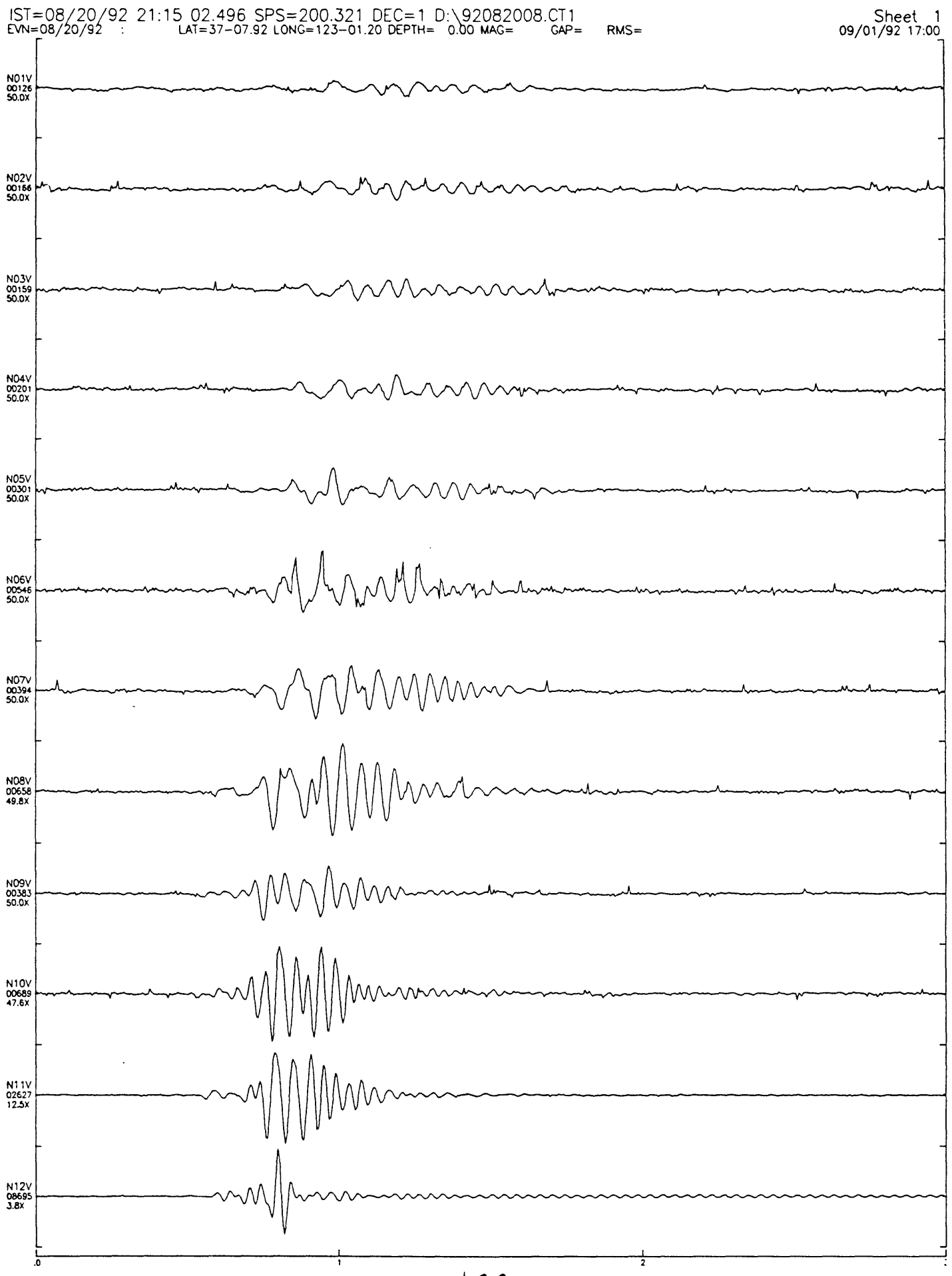
Sheet 1
09/04/92 15:05
E01V
00940
34.9X
E02V
00596
50.0X
E03V
01117
29.3X
E04V
00687
47.7X
E05V
01007
32.5X
E06V
01115
29.4X
E07V
01036
31.6X
E08V
00305
50.0X
E09V
00422
50.0X
0
1
2


IST=08/20/92 20:28 07.270 SPS=200.321 DEC=1 D.\92082003.CT2
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 15:06
E01N
01389
23.6X
E02N
00650
50.0X
E03N
02045
16.0X
E04N
00834
39.3X
E05N
02152
15.2X
E06N
01556
21.1X
E07N
00121
50.0X
E08N
01039
31.5X
E09N
00603
50.0X
.0
1
2

IST=08/20/92 20:28 07.270 SPS=200.321 DEC=1 D:\92082003.CT2
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=

Sheet 1
09/04/92 15:08

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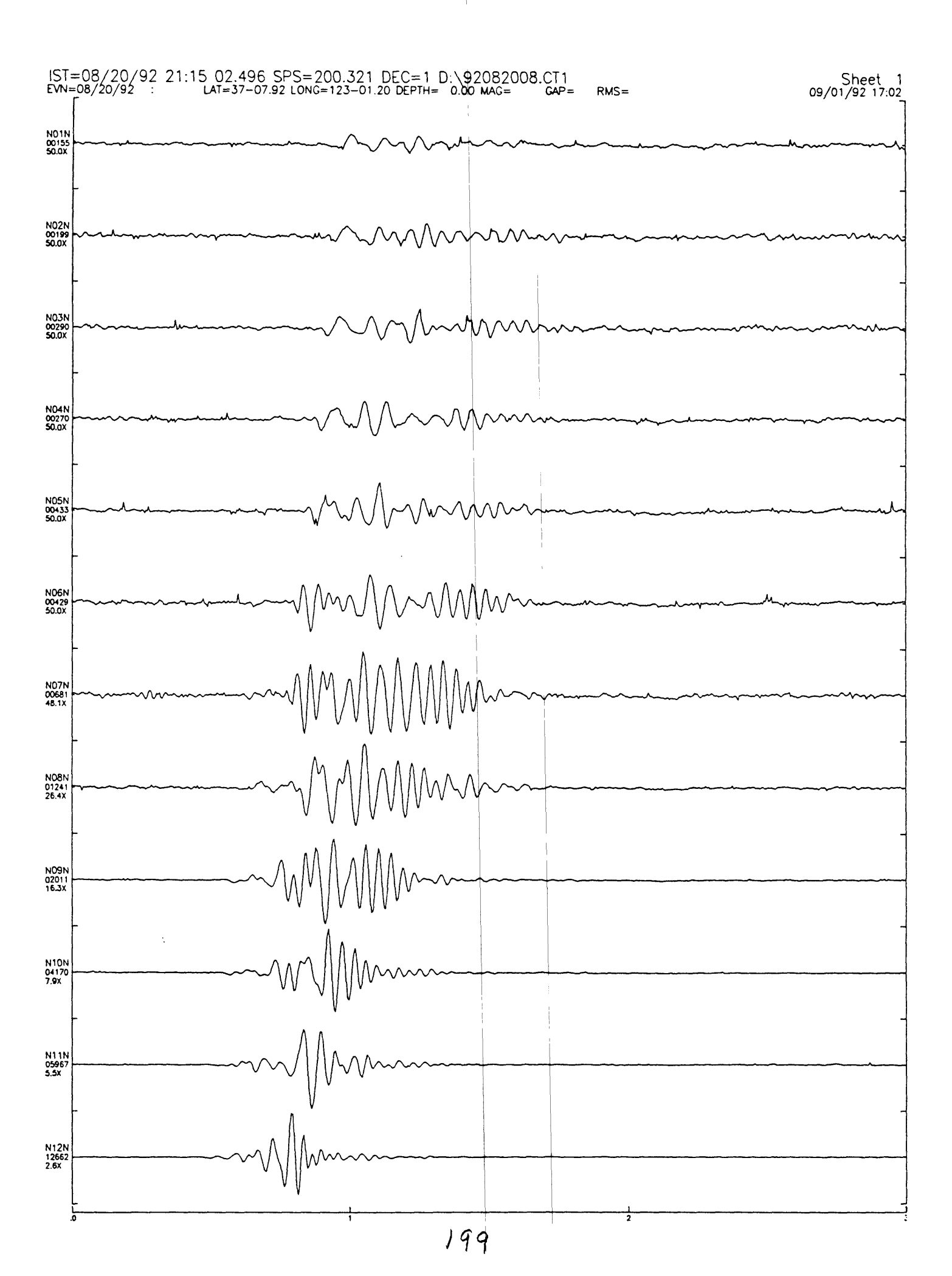
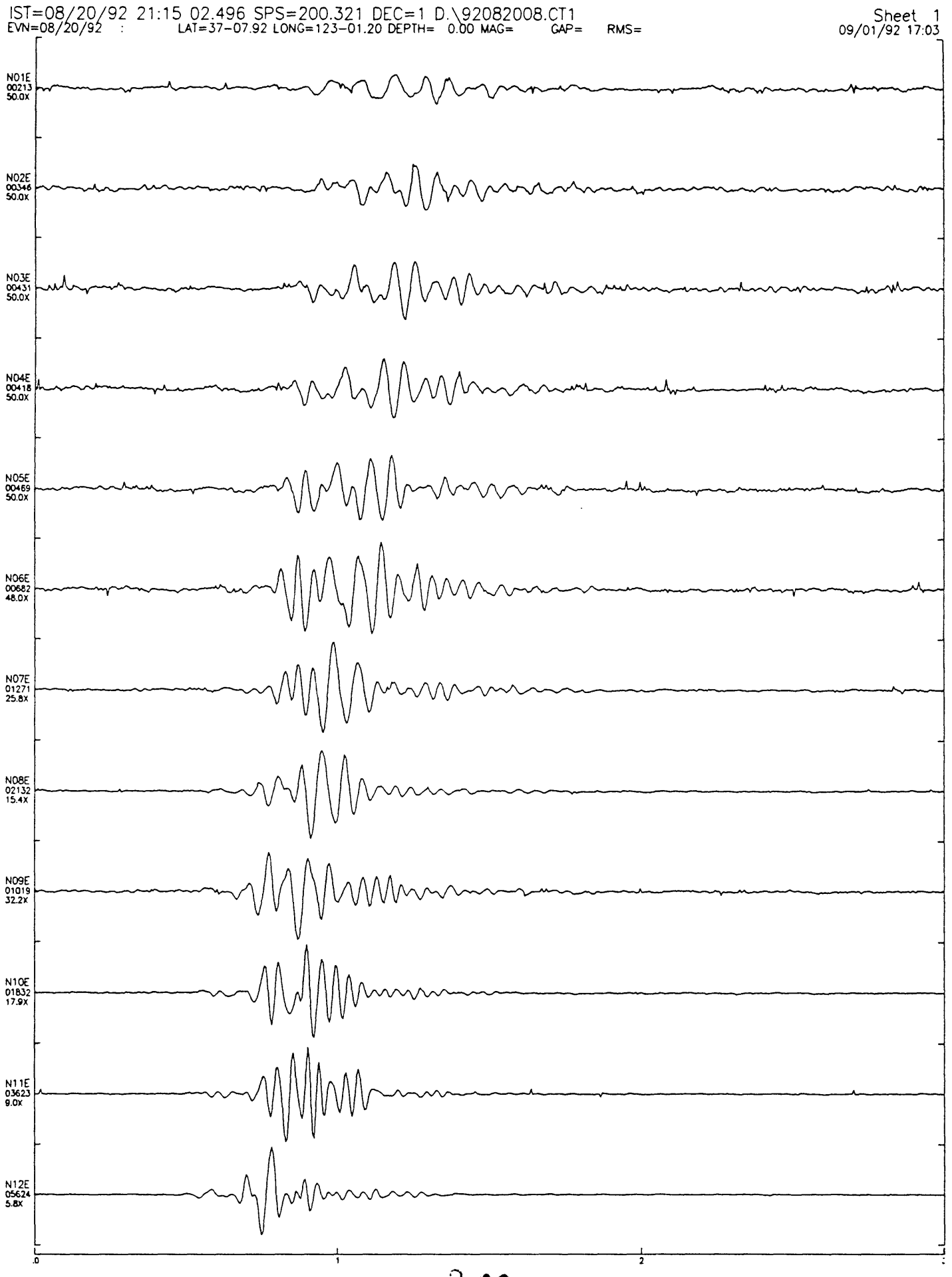
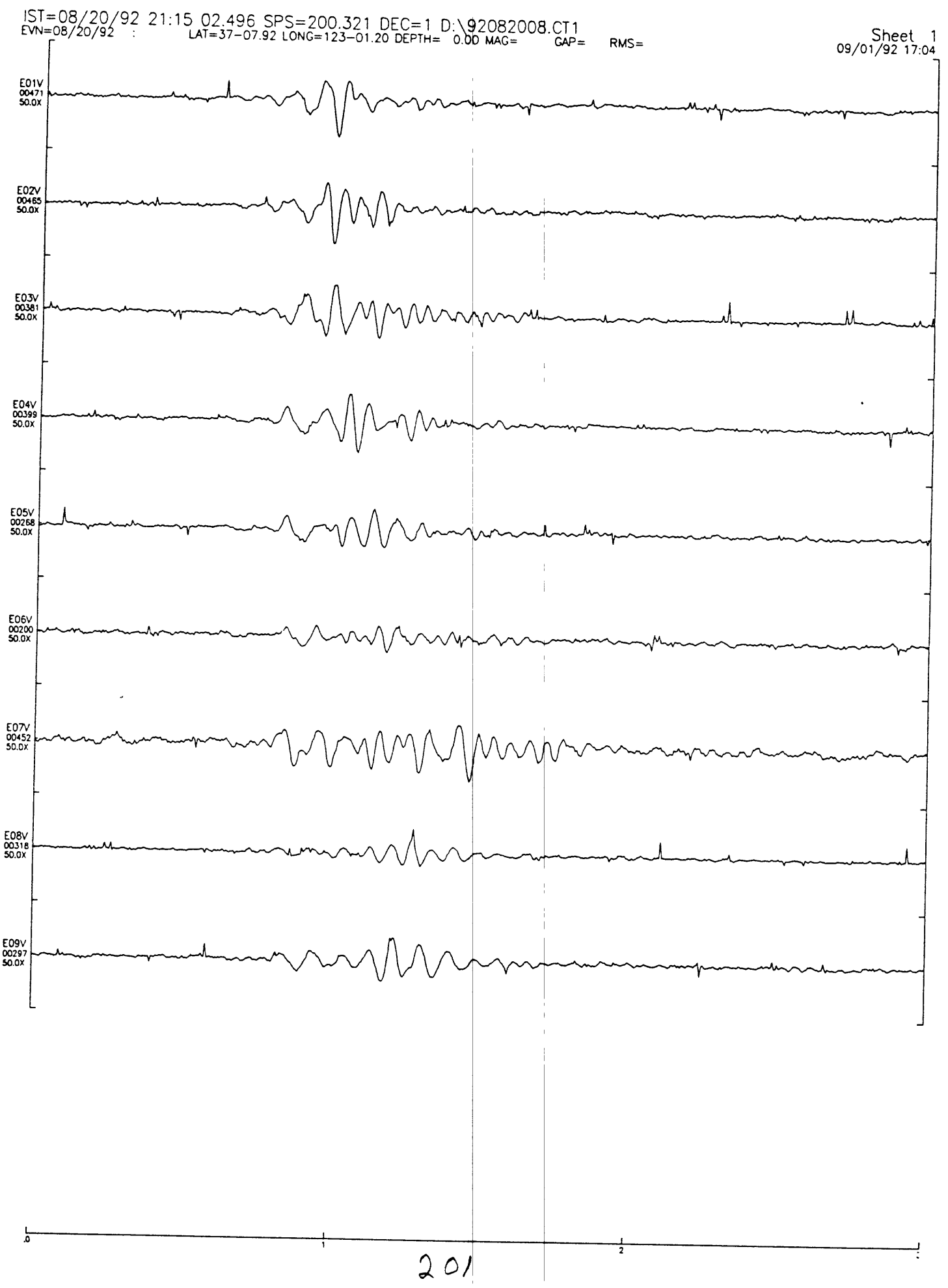
Sheet 1
09/01/92 17:00
N01V
00126
50.0X
N02V
00166
50.0X
N03V
00159
50.0X
N04V
00201
50.0X
N05V
00301
50.0X
N06V
00548
50.0X
N07V
00394
50.0X
N08V
00658
49.8X
N09V
00383
50.0X
N10V
00689
47.6X
N11V
02627
12.5X
N12V
08695
3.8X
.0
1
2


IST=08/20/92 21:15 02.496 SPS=200.321 DEC=1 D:\92082008.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:02
N01N
00155
50.0X
N02N
00199
50.0X
N03N
00290
50.0X
N04N
00270
50.0X
N05N
00433
50.0X
N06N
00429
50.0X
N07N
00681
48.1X
N08N
01241
26.4X
N09N
02011
16.3X
N10N
04170
7.9X
N11N
05967
5.5X
N12N
12662
2.6X
.0
1
2


IST=08/20/92 21:15 02.496 SPS=200.321 DEC=1 D.\92082008.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:03
N01E
00213
50.0X
N02E
00346
50.0X
N03E
00431
50.0X
N04E
00418
50.0X
N05E
00469
50.0X
N06E
00682
48.0X
N07E
01271
25.8X
N08E
02132
15.4X
N09E
01019
32.2X
N10E
01832
17.9X
N11E
03623
9.0X
N12E
05624
5.8X
0
1
2

200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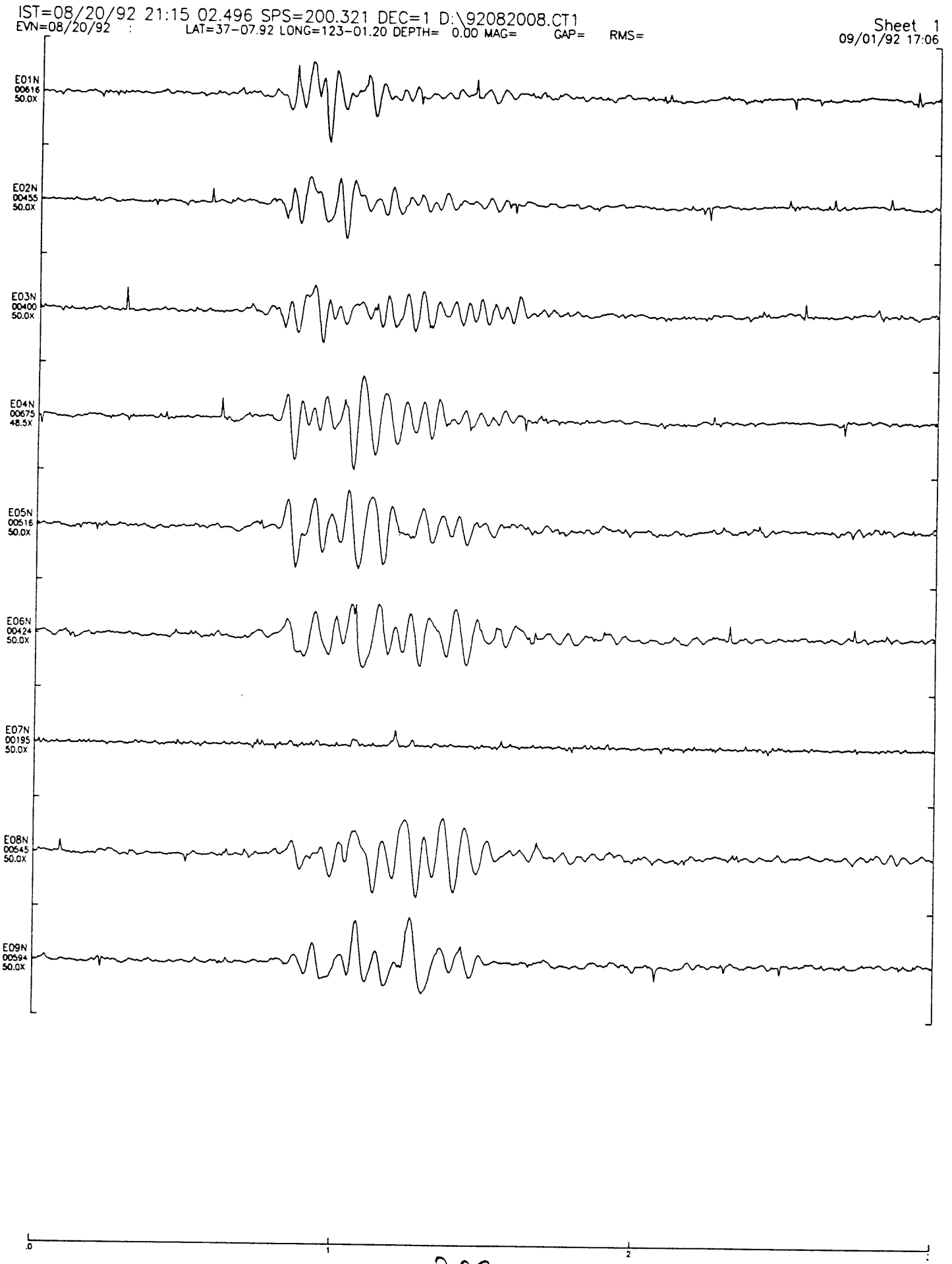
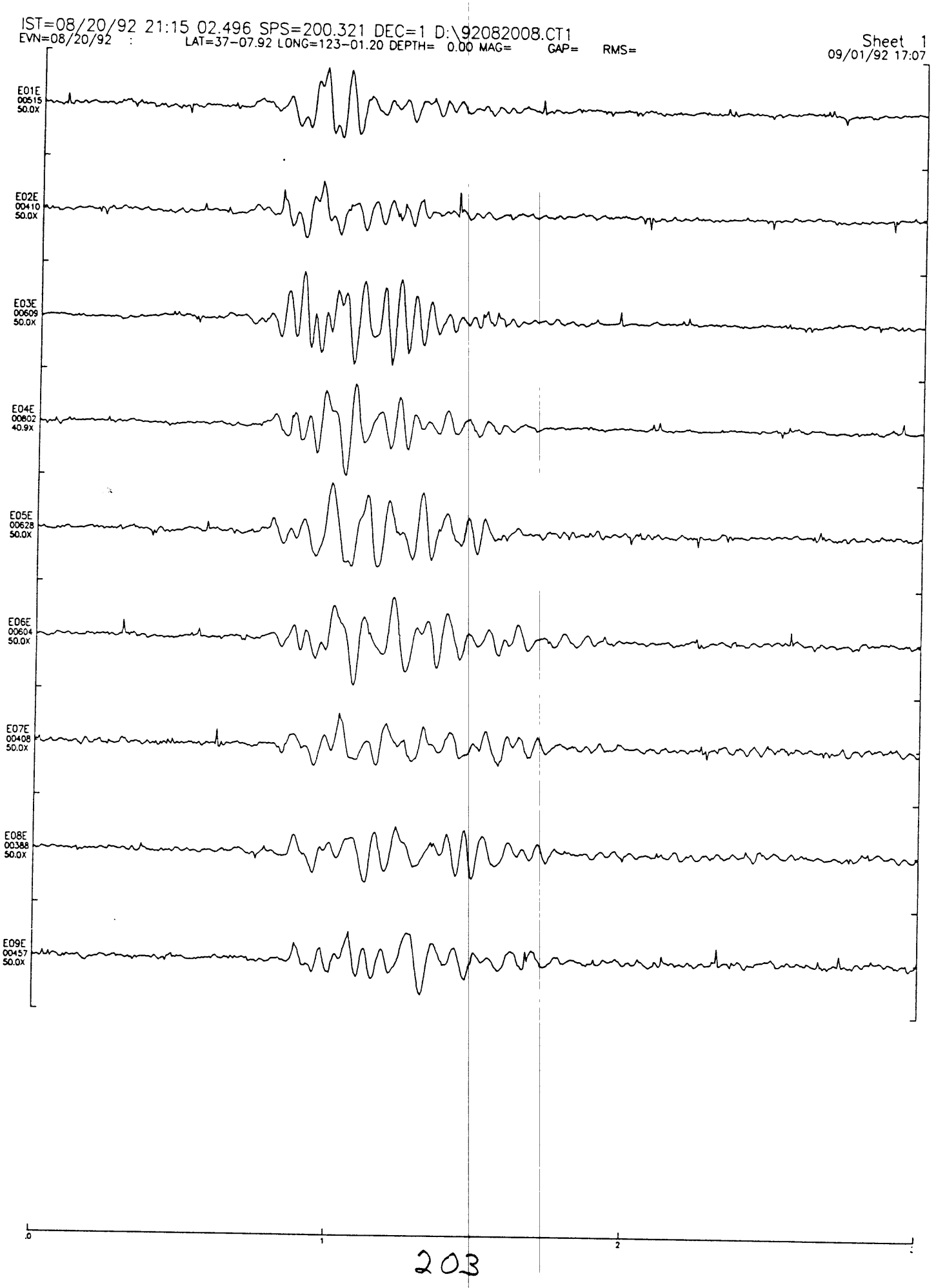
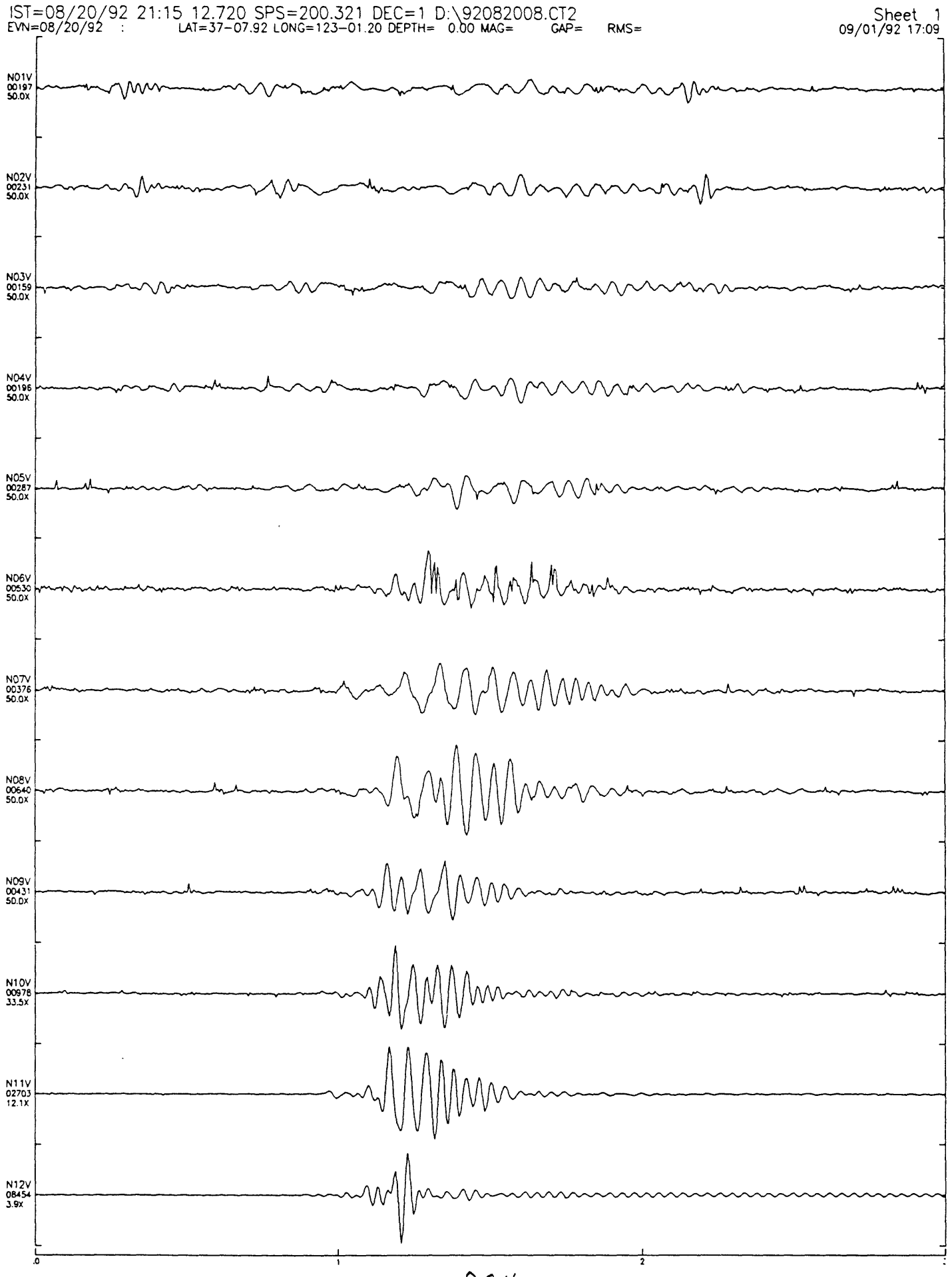
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:04
E01V 00471 50.0x
E02V 00465 50.0x
E03V 00381 50.0x
E04V 00399 50.0x
E05V 00268 50.0x
E06V 00200 50.0x
E07V 00452 50.0x
E08V 00318 50.0x
E09V 00297 50.0x
.0
1
2
201


IST=08/20/92 21:15 02.496 SPS=200.321 DEC=1 D:\92082008.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:06
E01N
00616
50.0X
E02N
00455
50.0X
E03N
00400
50.0X
E04N
00675
48.5X
E05N
00516
50.0X
E06N
00424
50.0X
E07N
00195
50.0X
E08N
00545
50.0X
E09N
00594
50.0X
.0
1
2


IST=08/20/92 21:15 02.496 SPS=200.321 DEC=1 D:\92082008.CT1
EVN=08/20/92 :
LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:07
E01E
00615
50.0X
E02E
00410
50.0X
E03E
00609
50.0X
E04E
00802
40.9X
E05E
00628
50.0X
E06E
00604
50.0X
E07E
00408
50.0X
E08E
00388
50.0X
E09E
00457
50.0X
.0
1
2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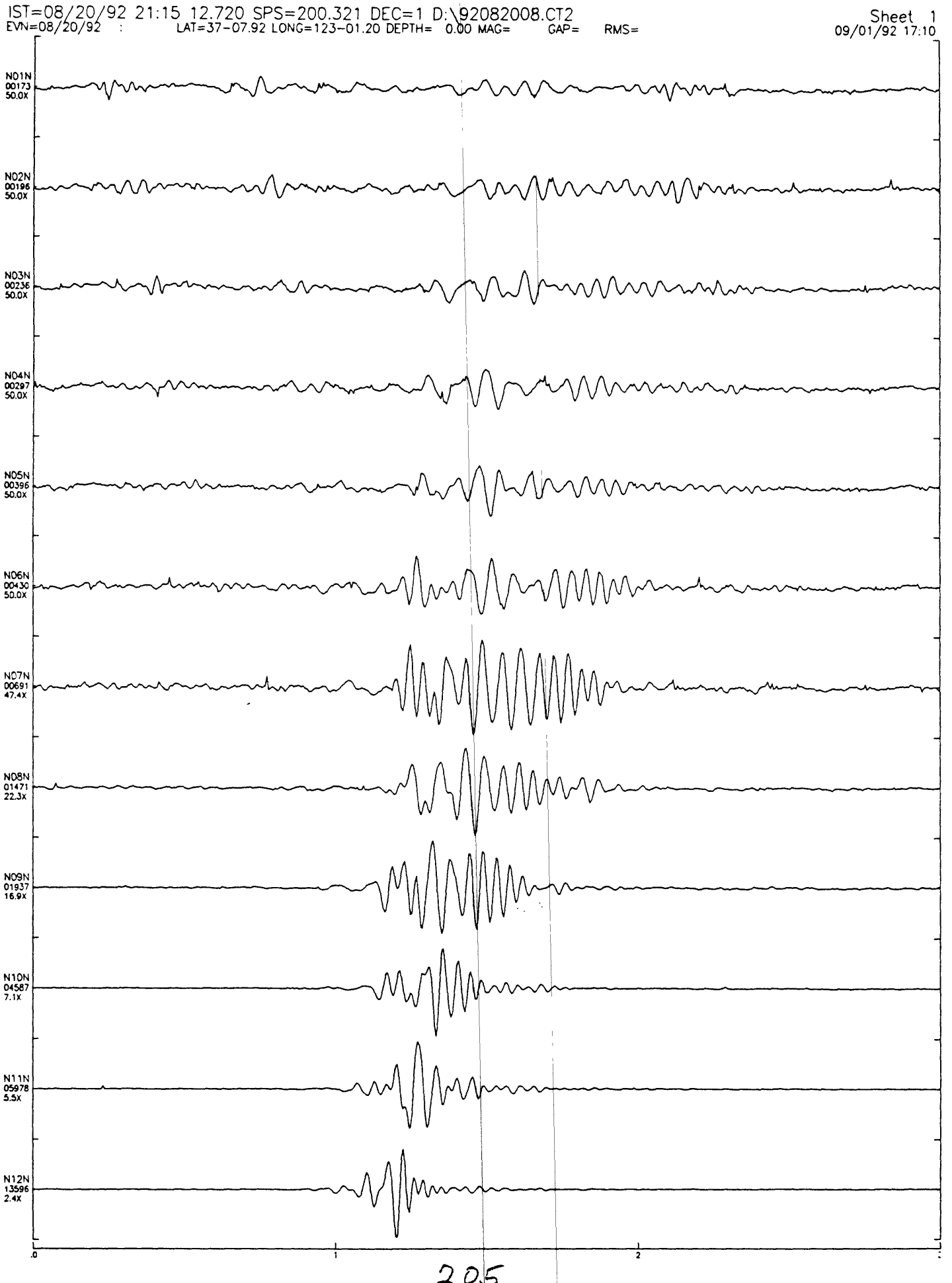
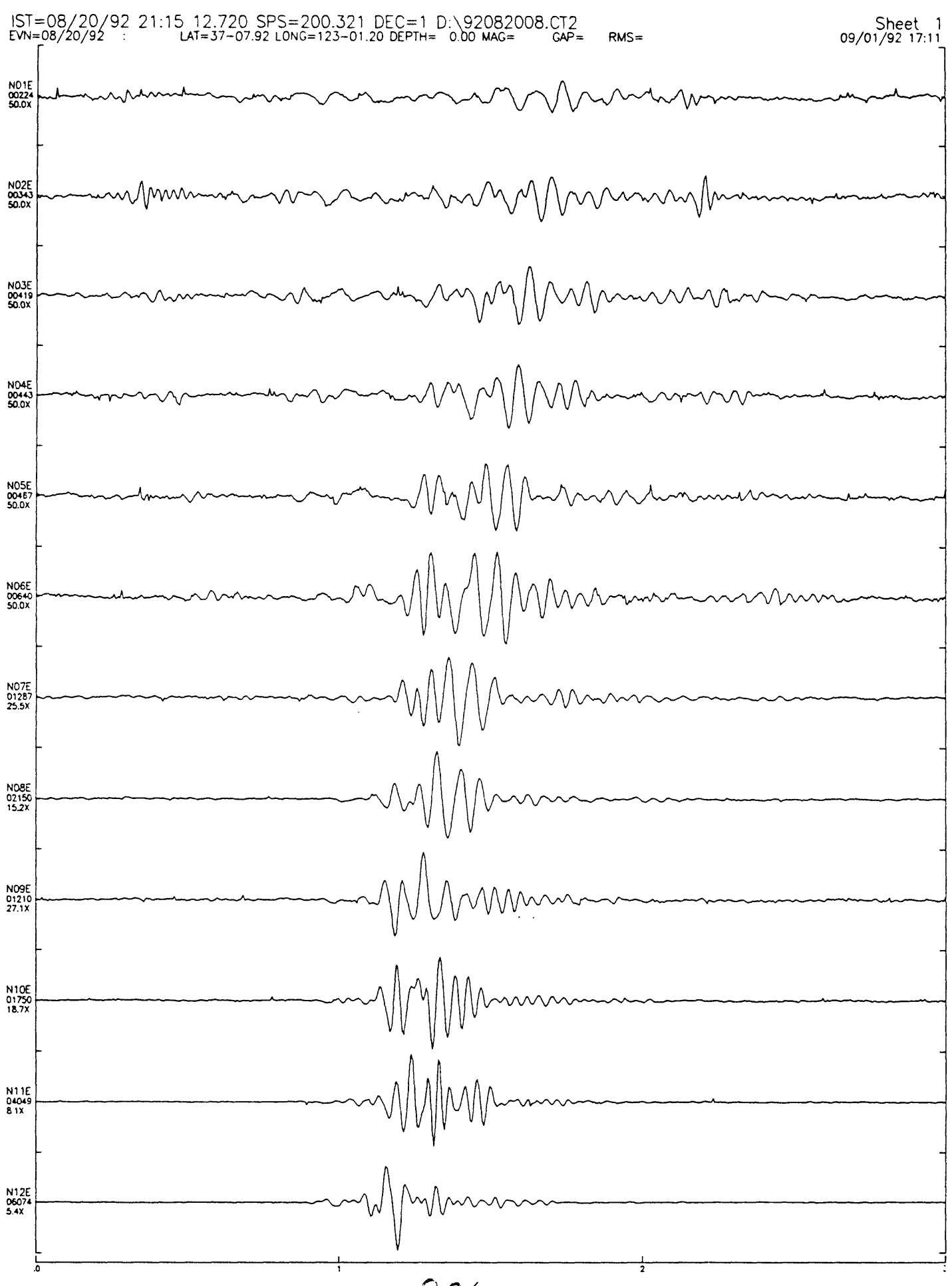
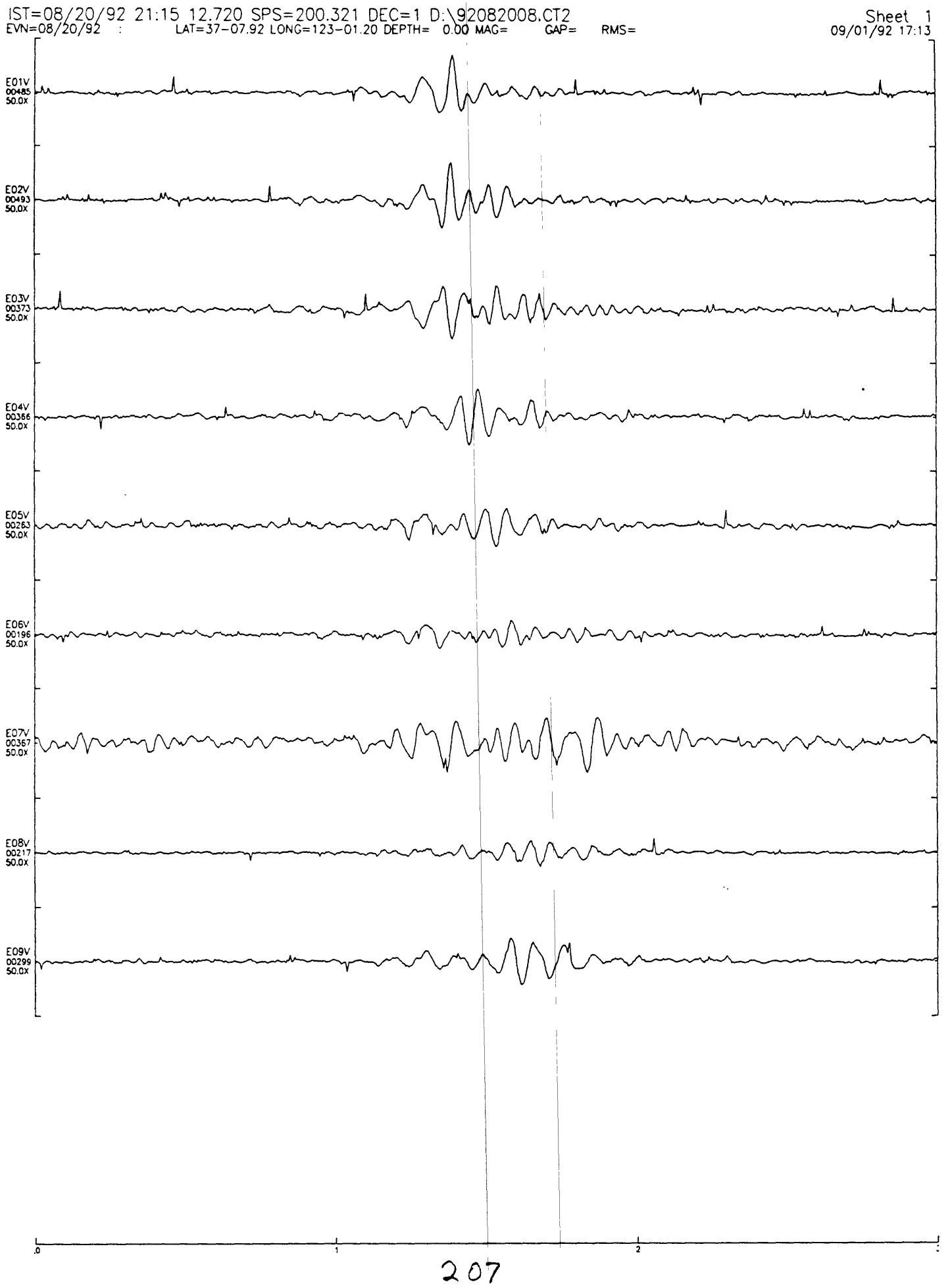
Sheet 1
09/01/92 17:09
N01V
00197
50.0X
N02V
00231
50.0X
N03V
00159
50.0X
N04V
00196
50.0X
N05V
00287
50.0X
N06V
00530
50.0X
N07V
00376
50.0X
N08V
00640
50.0X
N09V
00431
50.0X
N10V
00978
33.5X
N11V
02703
12.1X
N12V
08454
3.9X
.0
1
2


IST=08/20/92 21:15 12.720 SPS=200.321 DEC=1 D:\92082008.CT2
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:10
N01N
00173
50.0X
N02N
00196
50.0X
N03N
00236
50.0X
N04N
00297
50.0X
N05N
00396
50.0X
N06N
00430
50.0X
N07N
00691
47.4X
N08N
01471
22.3X
N09N
01937
16.9X
N10N
04587
7.1X
N11N
05978
5.5X
N12N
13596
2.4X
0
1
2


IST=08/20/92 21:15 12.720 SPS=200.321 DEC=1 D:\92082008.CT2
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:11
N01E
00224
50.0X
N02E
00343
50.0X
N03E
00419
50.0X
N04E
00443
50.0X
N05E
00467
50.0X
N06E
00640
50.0X
N07E
01287
25.5X
N08E
02150
15.2X
N09E
01210
27.1X
N10E
01750
18.7X
N11E
04049
8.1X
N12E
06074
5.4X
.0
1
2


IST=08/20/92 21:15 12.720 SPS=200.321 DEC=1 D:\92082008.CT2
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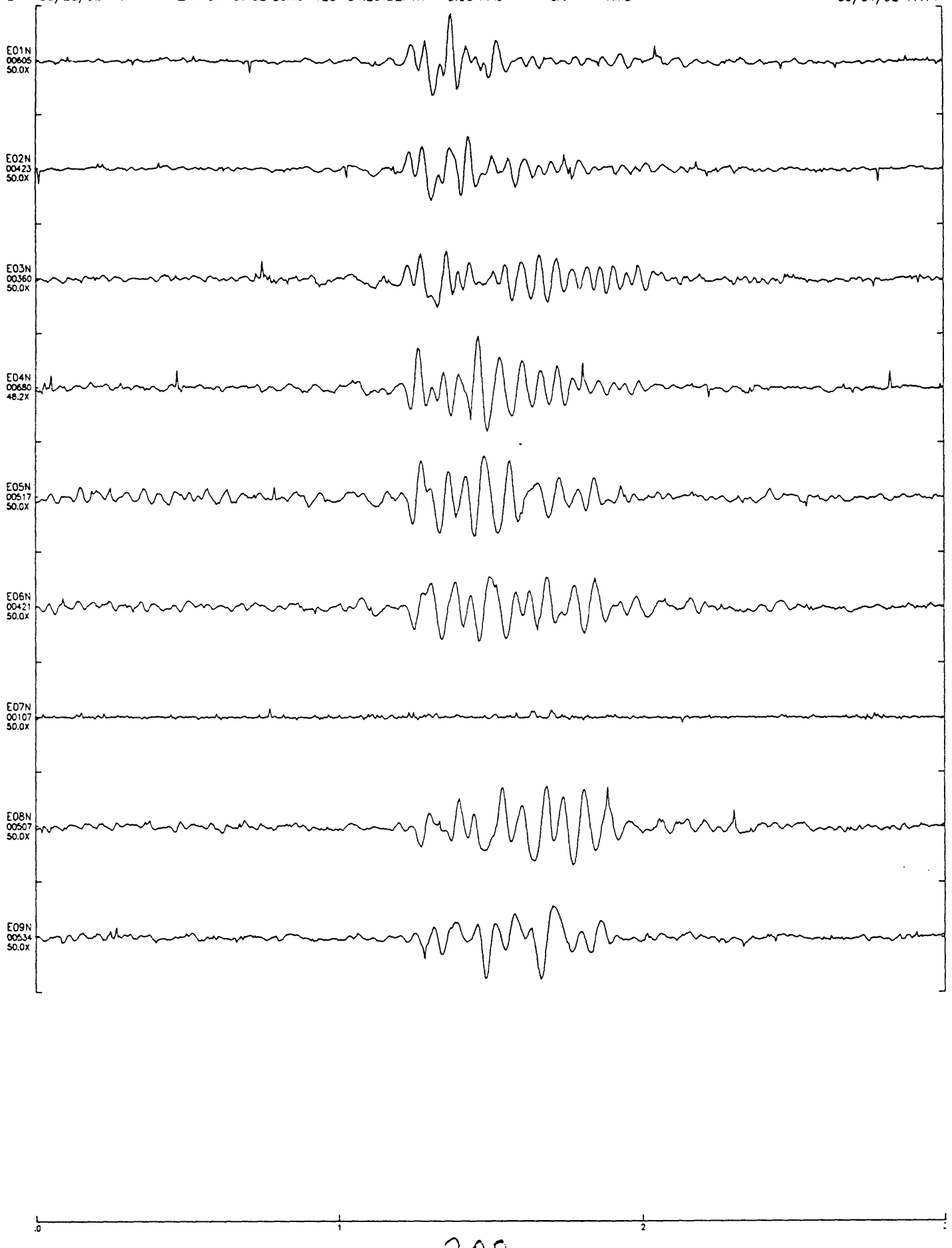
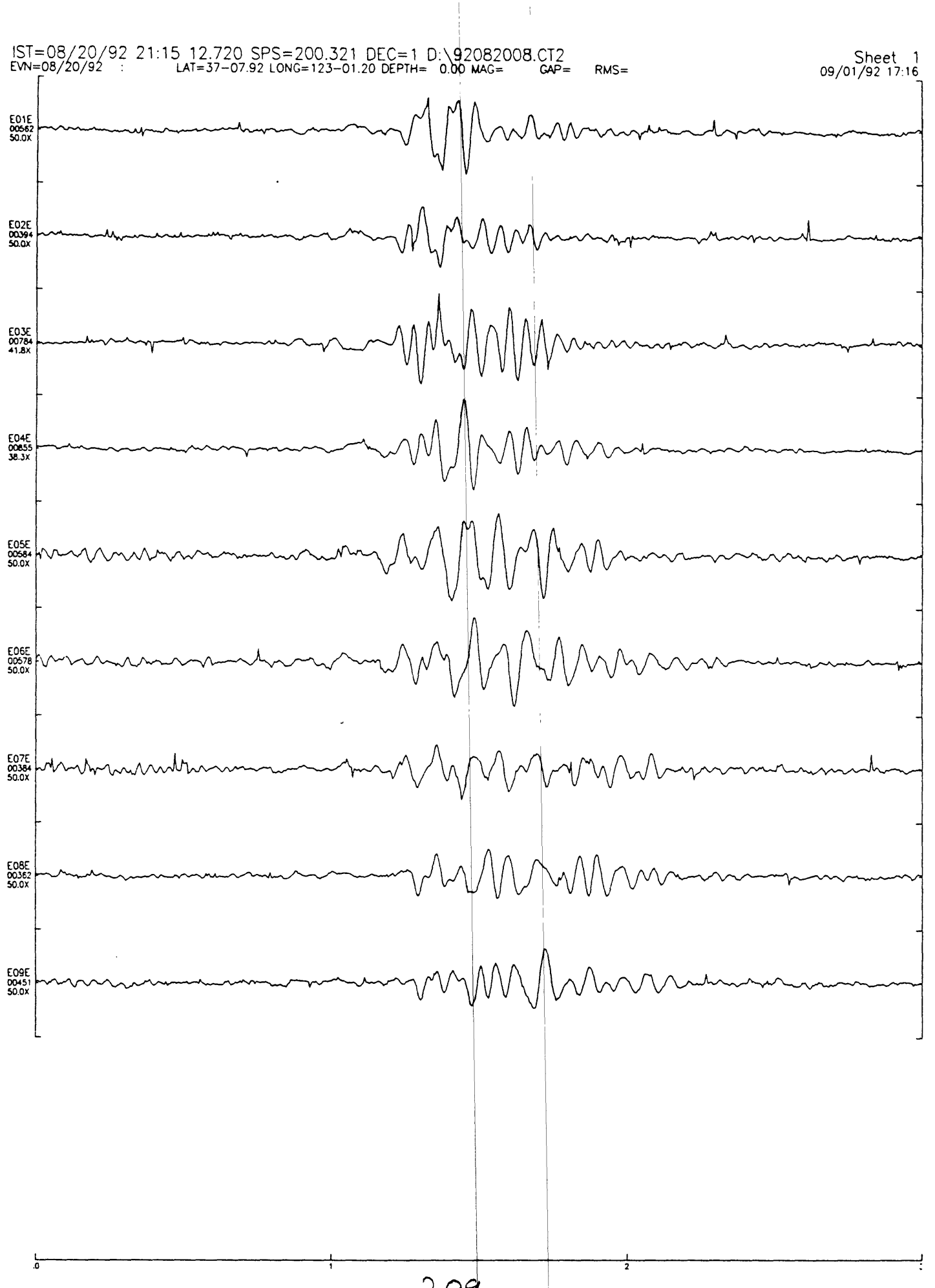
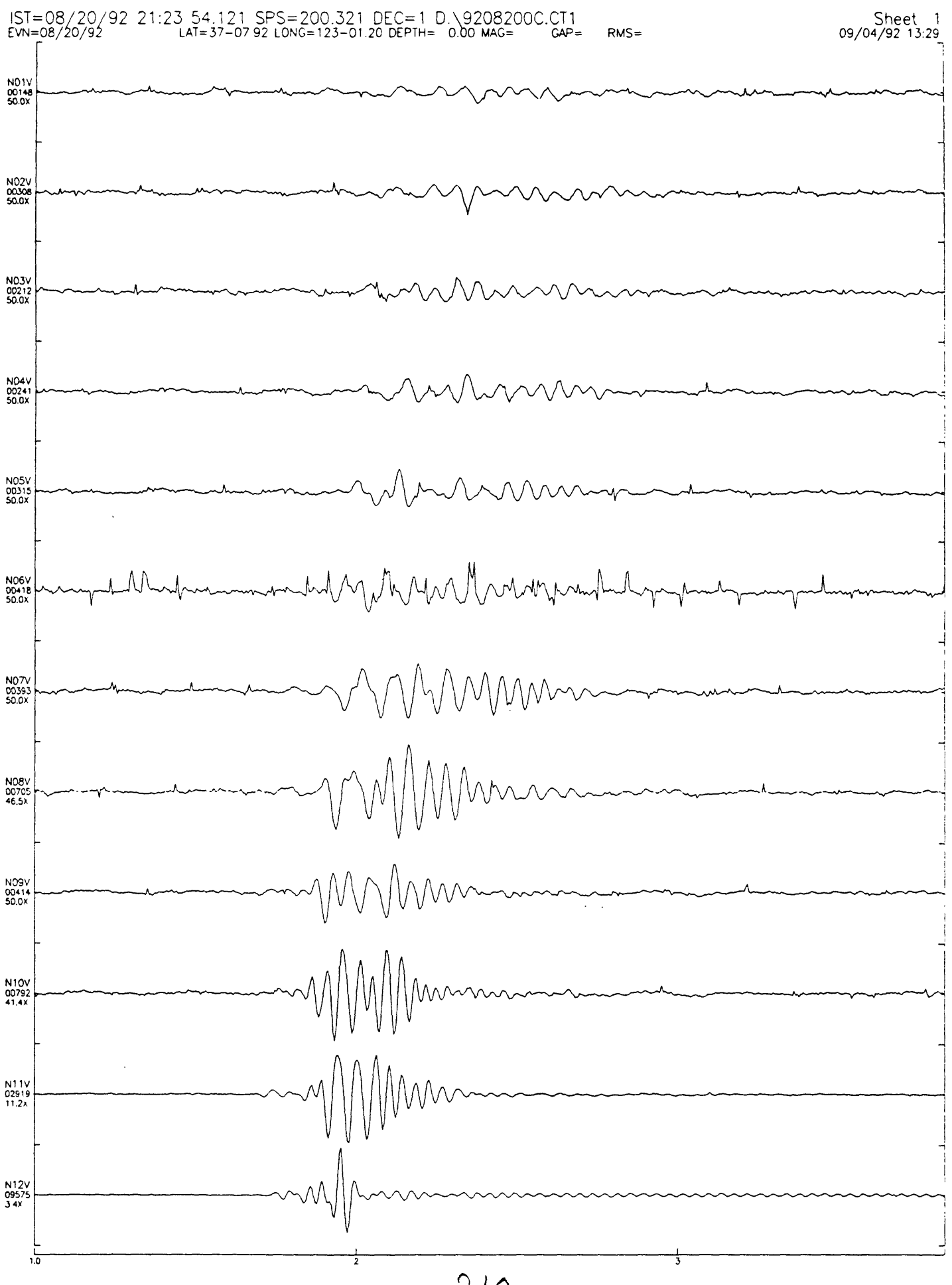
Sheet 1
09/01/92 17:13
E01V
00485
50.0X
E02V
00493
50.0X
E03V
00373
50.0X
E04V
00366
50.0X
E05V
00263
50.0X
E06V
00196
50.0X
E07V
00367
50.0X
E08V
00217
50.0X
E09V
00299
50.0X
0
1
2


IST=08/20/92 21:15 12.720 SPS=200.321 DEC=1 D:\92082008.CT2
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:14
E01N
00605
50.0X
E02N
00423
50.0X
E03N
00360
50.0X
E04N
00680
48.2X
E05N
00517
50.0X
E06N
00421
50.0X
E07N
00107
50.0X
E08N
00507
50.0X
E09N
00534
50.0X
.0
1
2


IST=08/20/92 21:15 12.720 SPS=200.321 DEC=1 D:\92082008.CT2
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/01/92 17:16
E01E
00562
50.0X
E02E
00394
50.0X
E03E
00784
41.8X
E04E
00855
38.3X
E05E
00584
50.0X
E06E
00678
50.0X
E07E
00384
50.0X
E08E
00362
50.0X
E09E
00451
50.0X
.0
1
2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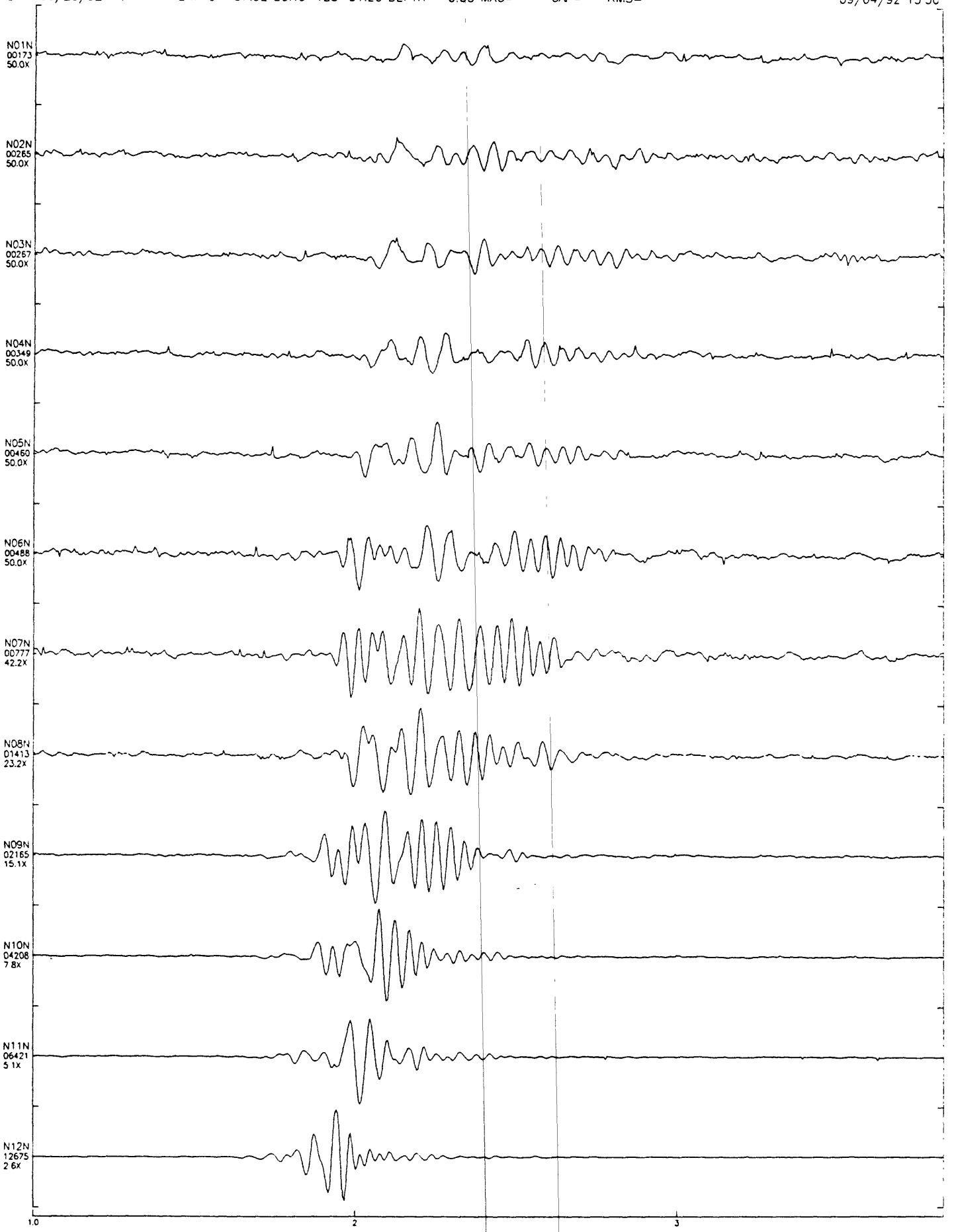
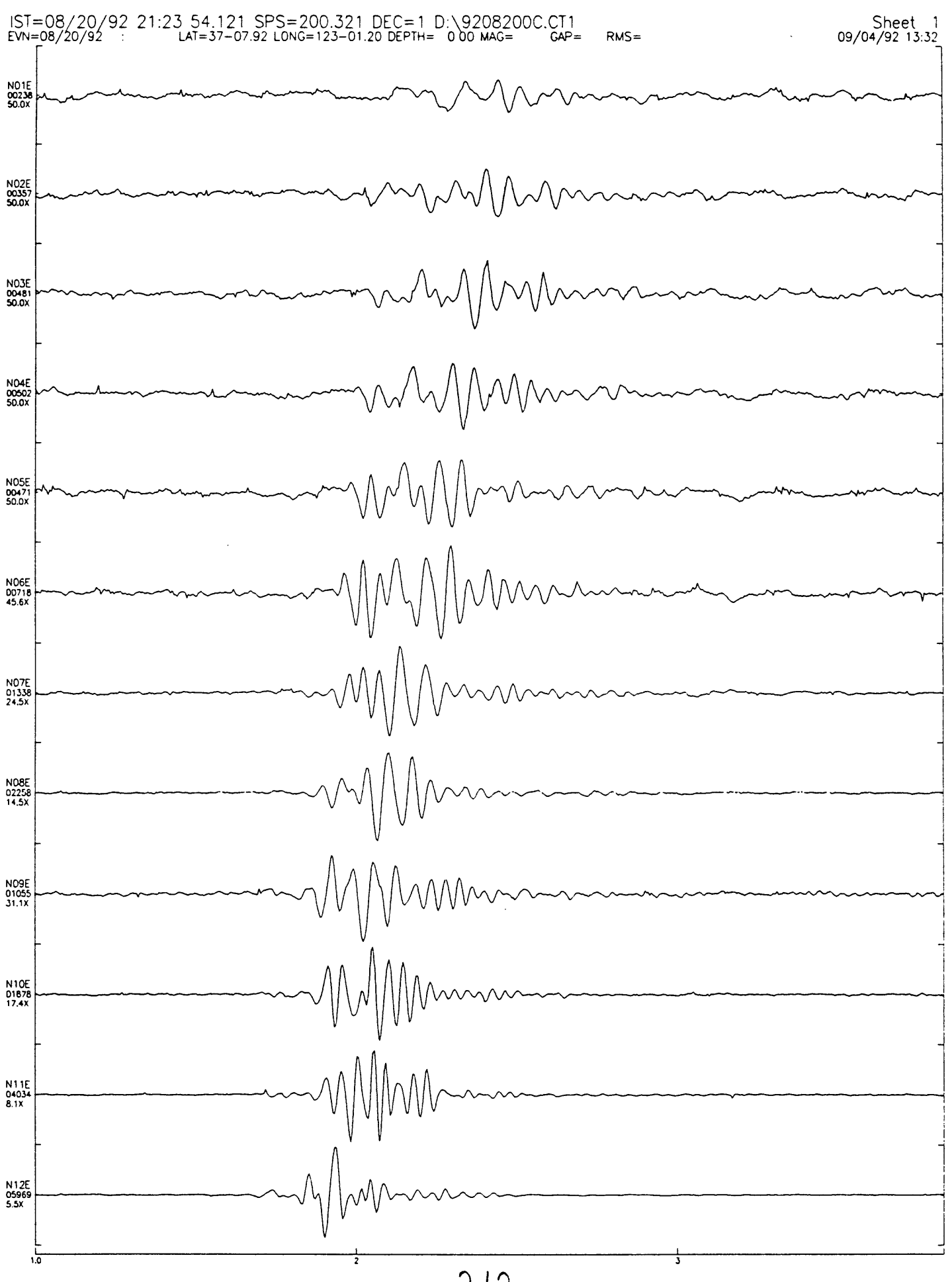
EVN=08/20/92 LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 13:29
N01V
00148
50.0x
N02V
00308
50.0x
N03V
00212
50.0x
N04V
00241
50.0x
N05V
00315
50.0x
N06V
00418
50.0x
N07V
00393
50.0x
N08V
00705
46.5x
N09V
00414
50.0x
N10V
00792
41.4x
N11V
02919
11.2x
N12V
09575
3.4x
1.0
2
3

IST=08/20/92 21:23 54.121 SPS=200.321 DEC=1 D:\9208200C.CT1
EVN=08/20/92 : LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=

09/04/92 13 30

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09/04/92 13:32
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00238
50.0X
N02E
00357
50.0X
N03E
00481
50.0X
N04E
00502
50.0X
N05E
00471
50.0X
N06E
00718
45.6X
N07E
01338
24.5X
N08E
02258
14.5X
N09E
01055
31.1X
N10E
01878
17.4X
N11E
04034
8.1X
N12E
05969
5.5X
1.0
2
3

IST=08/20/92 21:23 54.121 SPS=200.321 DEC=1 D:\9208200C.CT1
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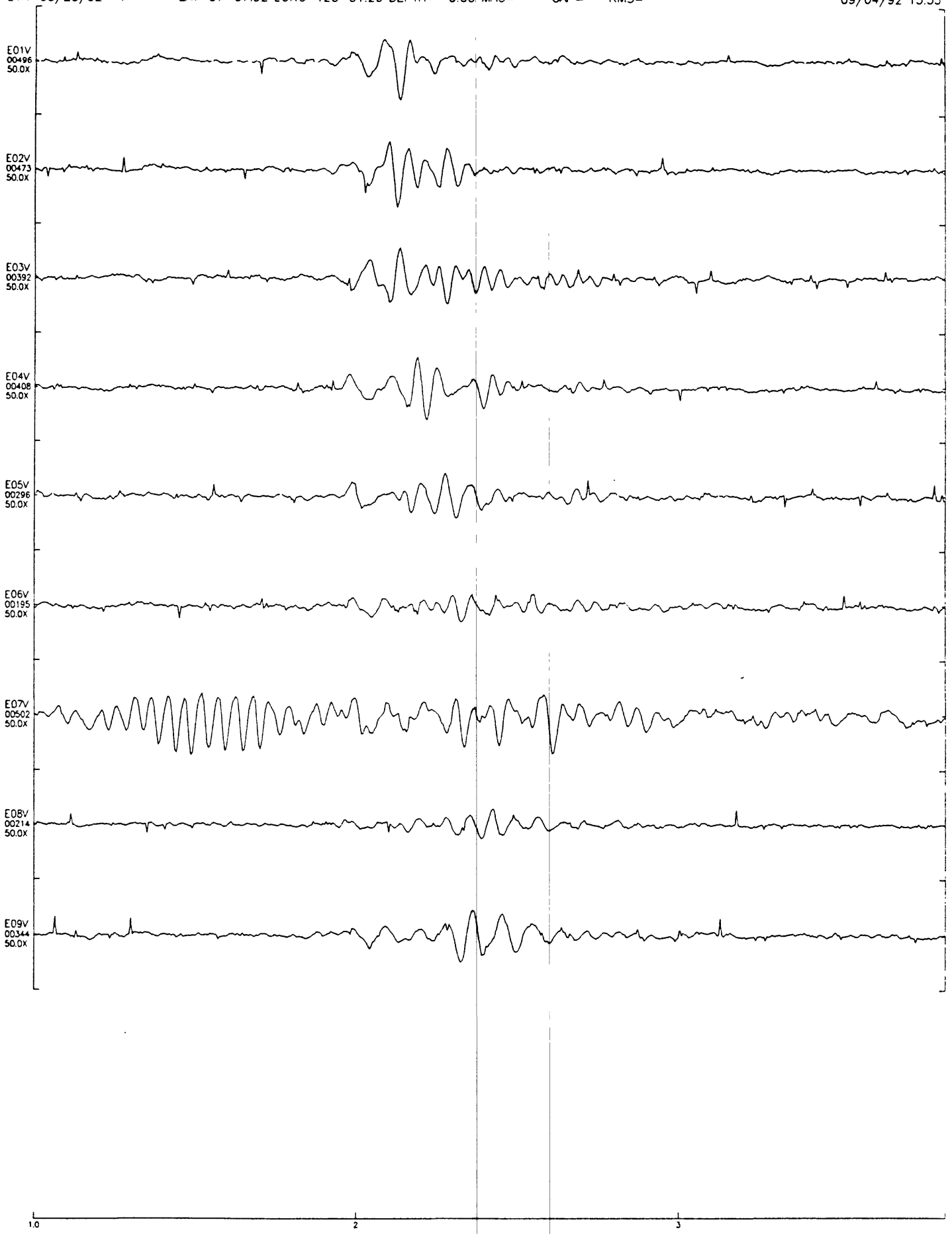
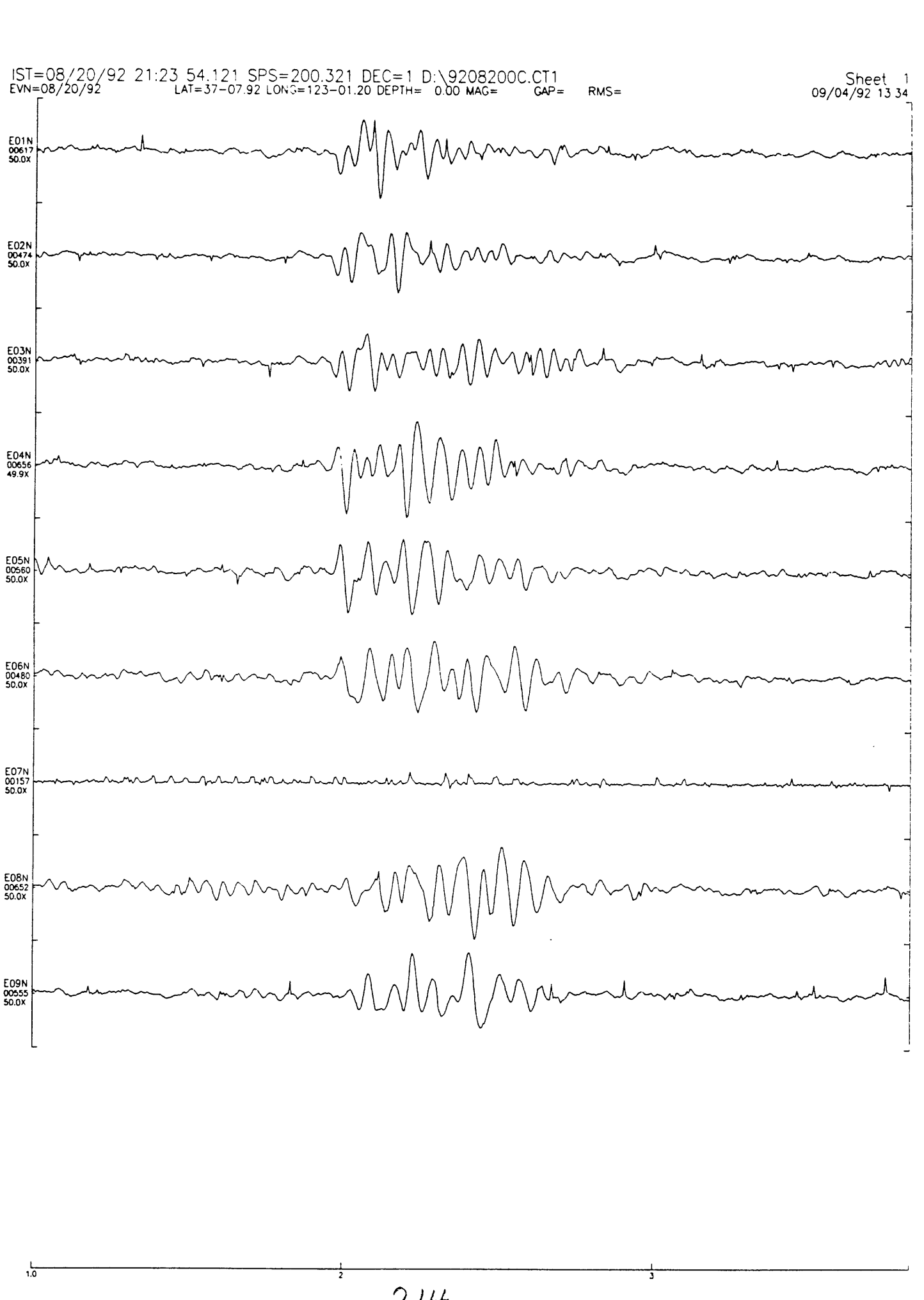
Sheet 1
09/04/92 13:33

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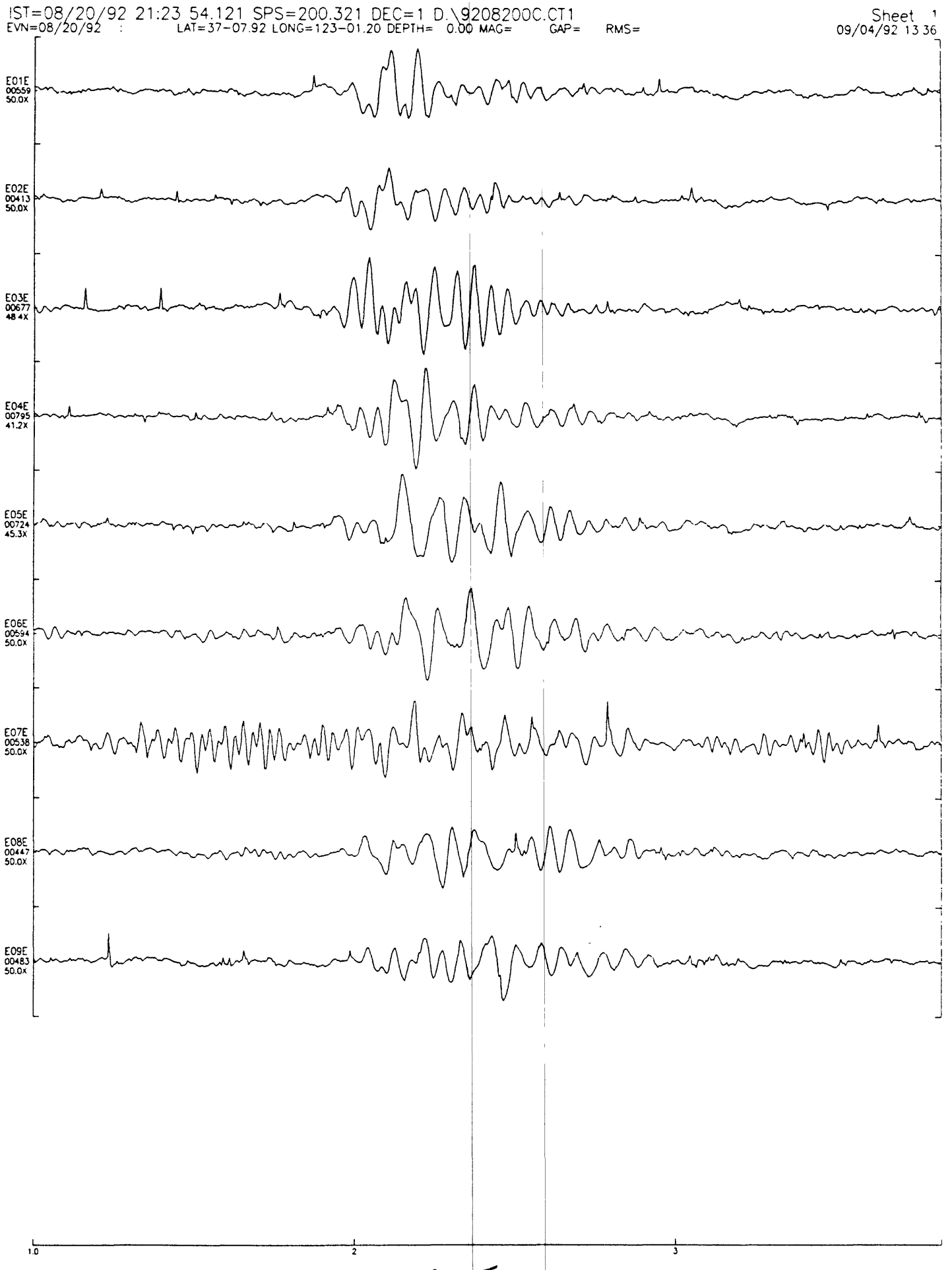
Sheet 1
09/04/92 13 34
E01N
00617
50.0X
E02N
00474
50.0X
E03N
00391
50.0X
E04N
00656
49.9X
E05N
00560
50.0X
E06N
00480
50.0X
E07N
00157
50.0X
E08N
00652
50.0X
E09N
00555
50.0X
1.0
2
3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09/04/92 13 36
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E02E
00413
50.0x
E03E
00677
48.4x
E04E
00795
41.2x
E05E
00724
45.3x
E06E
00594
50.0x
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50.0x
E08E
00447
50.0x
E09E
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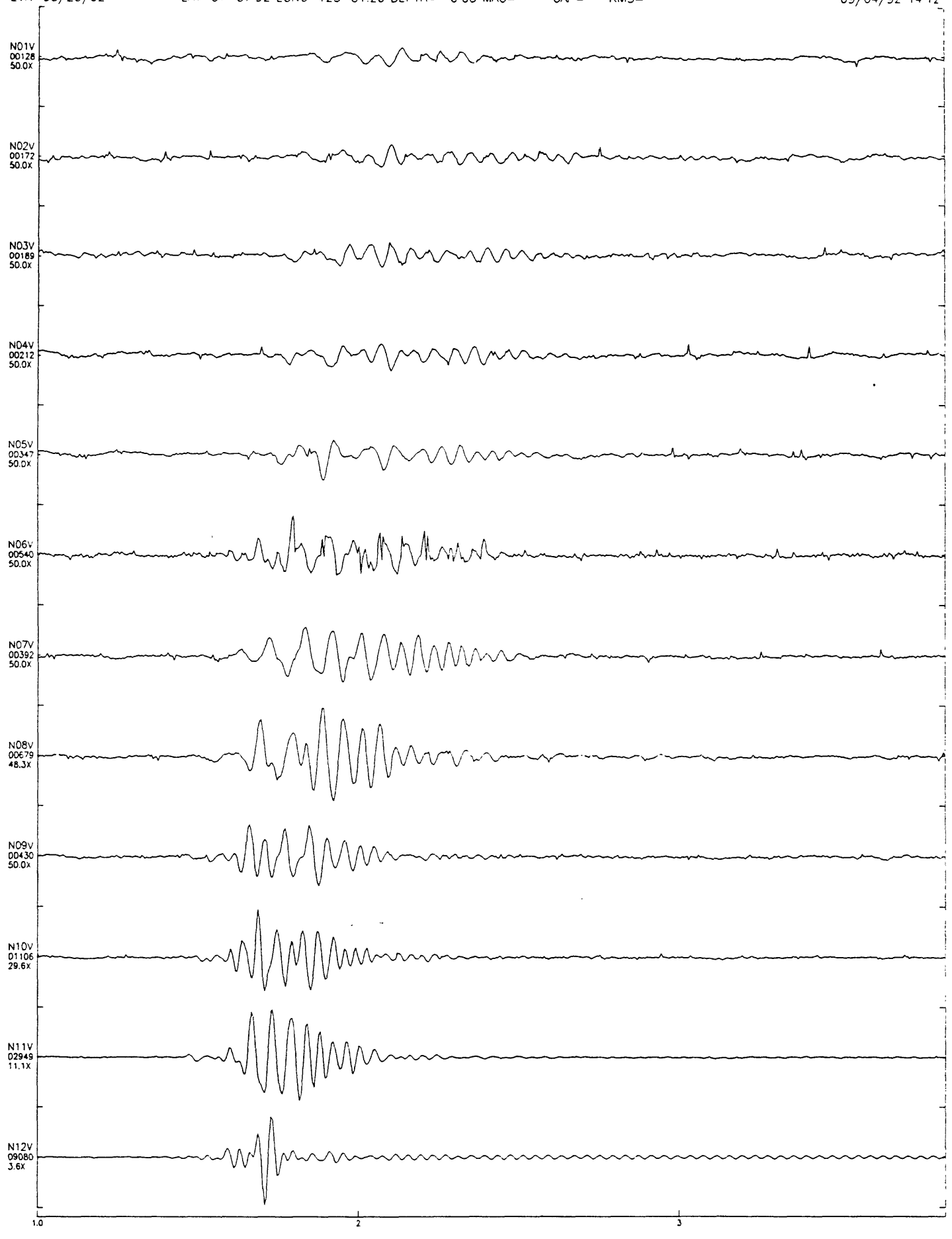
50.0x
1.0
2
3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00128
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N02V
00172
50.0x
N03V
00189
50.0x
N04V
00212
50.0x
N05V
00347
50.0x
N06V
00540
50.0x
N07V
00392
50.0x
N08V
00679
48.3x
N09V
00430
50.0x
N10V
01106
29.6x
N11V
02949
11.1x
N12V
09080
3.6x
1.0
2
3

IST=08/20/92 21:24 04.345 SPS=200.321 DEC=1 D:\9208200C.CT2
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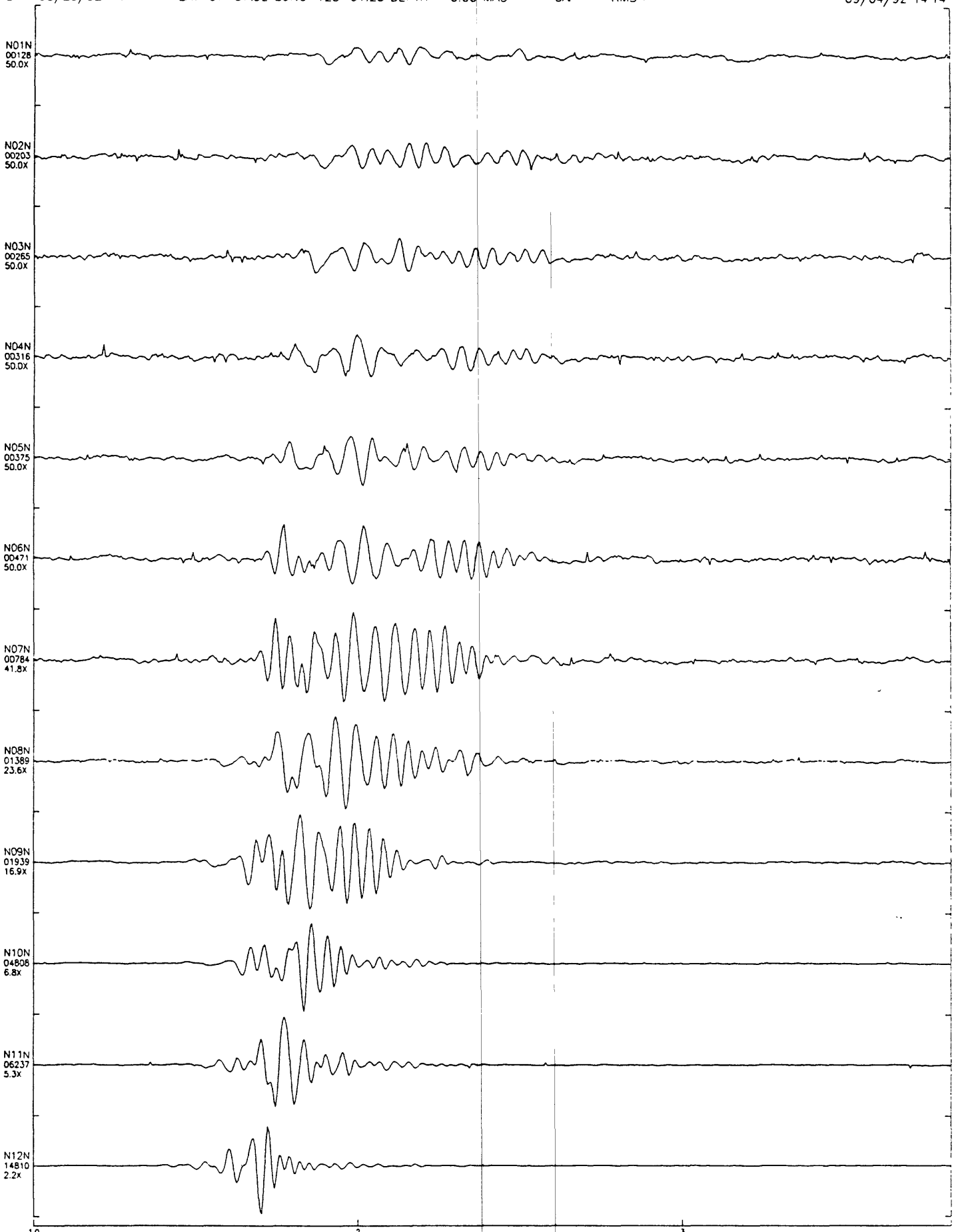
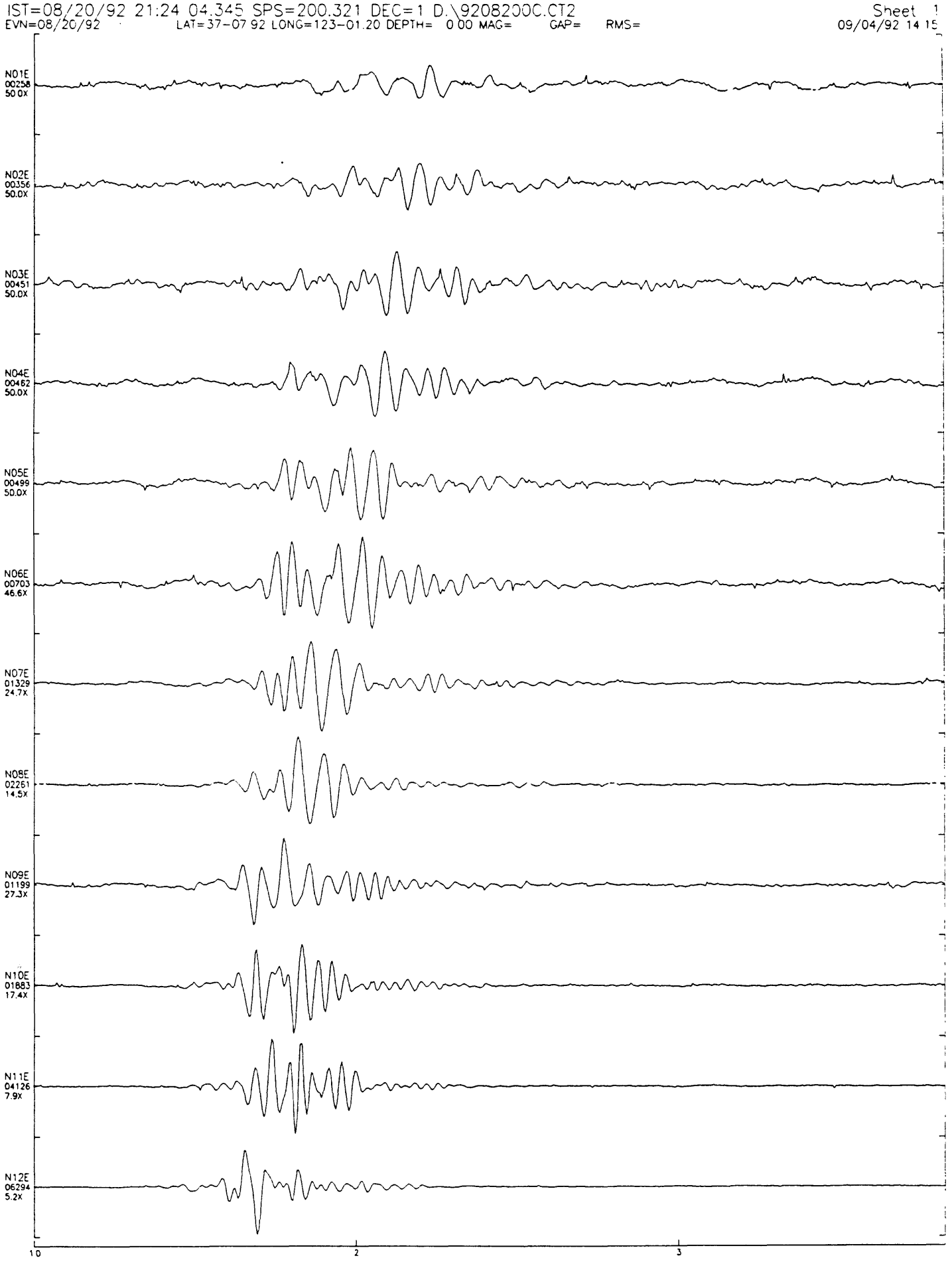
09/04/92 14 14

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Sheet 1
09/04/92 14 15
N01E
00258
50.0X
N02E
00356
50.0X
N03E
00451
50.0X
N04E
00462
50.0X
N05E
00499
50.0X
N06E
00703
46.6X
N07E
01329
24.7X
N08E
02261
14.5X
N09E
01199
27.3X
N10E
01883
17.4X
N11E
04126
7.9X
N12E
06294
5.2X
1 0
2
3

IST=08/20/92 21:24 04.345 SPS=200.321 DEC=1 D.\9208200C.CT2
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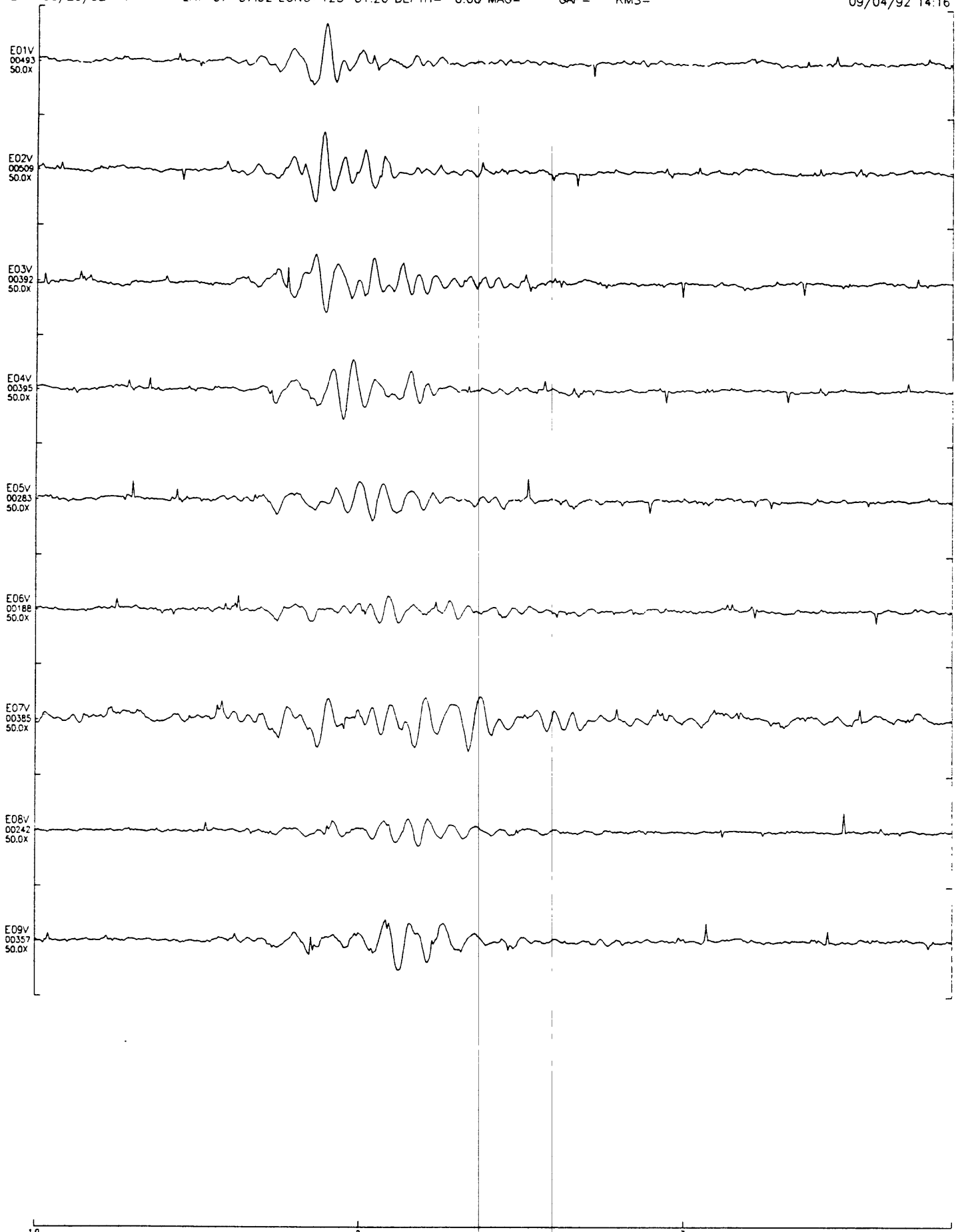
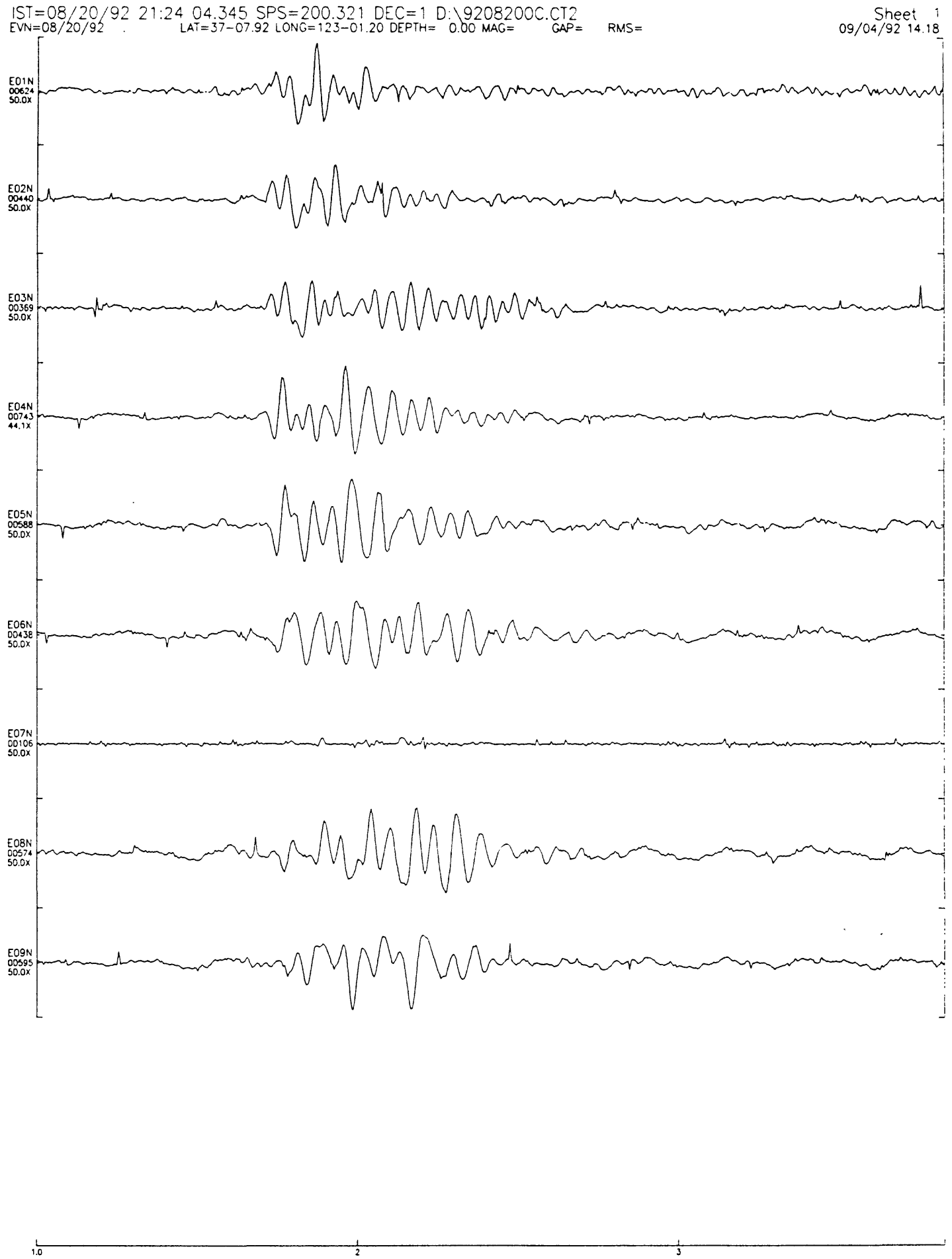
Sheet 1
09/04/92 14:16

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EVN=08/20/92
LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 14.18
E01N
00624
50.0x
E02N
00440
50.0x
E03N
00369
50.0x
E04N
00743
44.1x
E05N
00588
50.0x
E06N
00438
50.0x
E07N
00106
50.0x
E08N
00574
50.0x
E09N
00595
50.0x
1.0
2
3

IST=08/20/92 21:24 04.345 SPS=200.321 DEC=1 D:\9208200C.CT2
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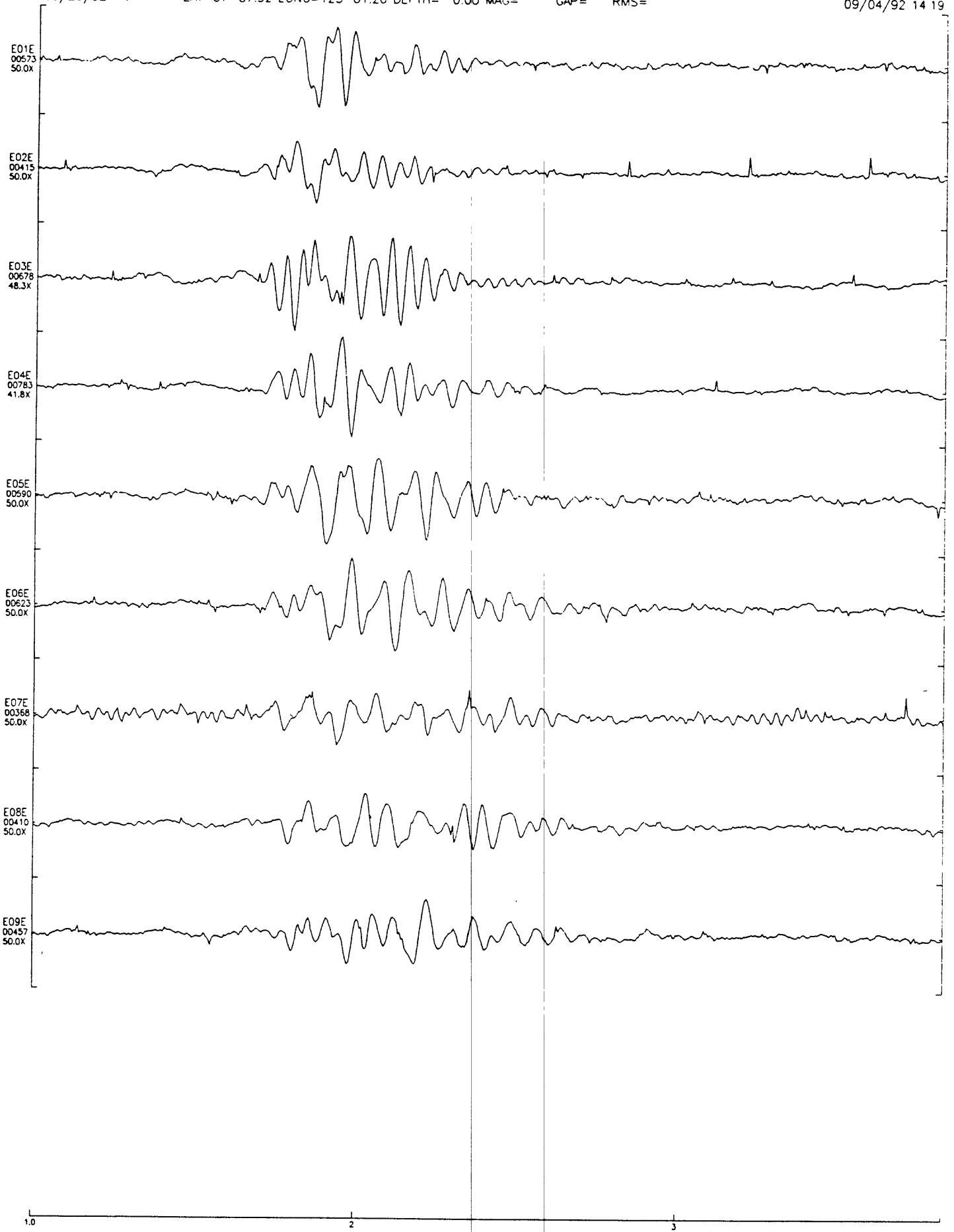
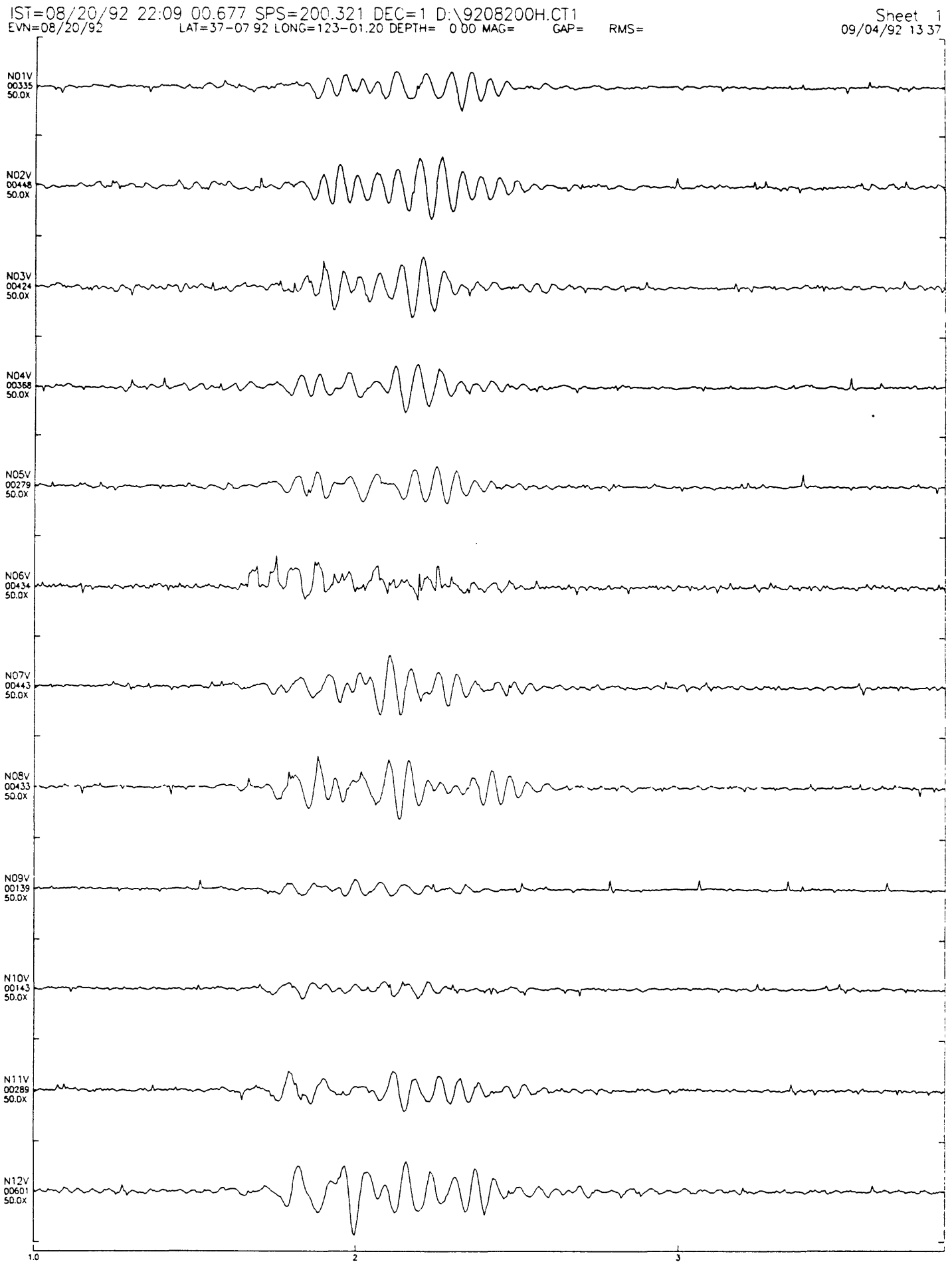
Sheet 1
09/04/92 14 19

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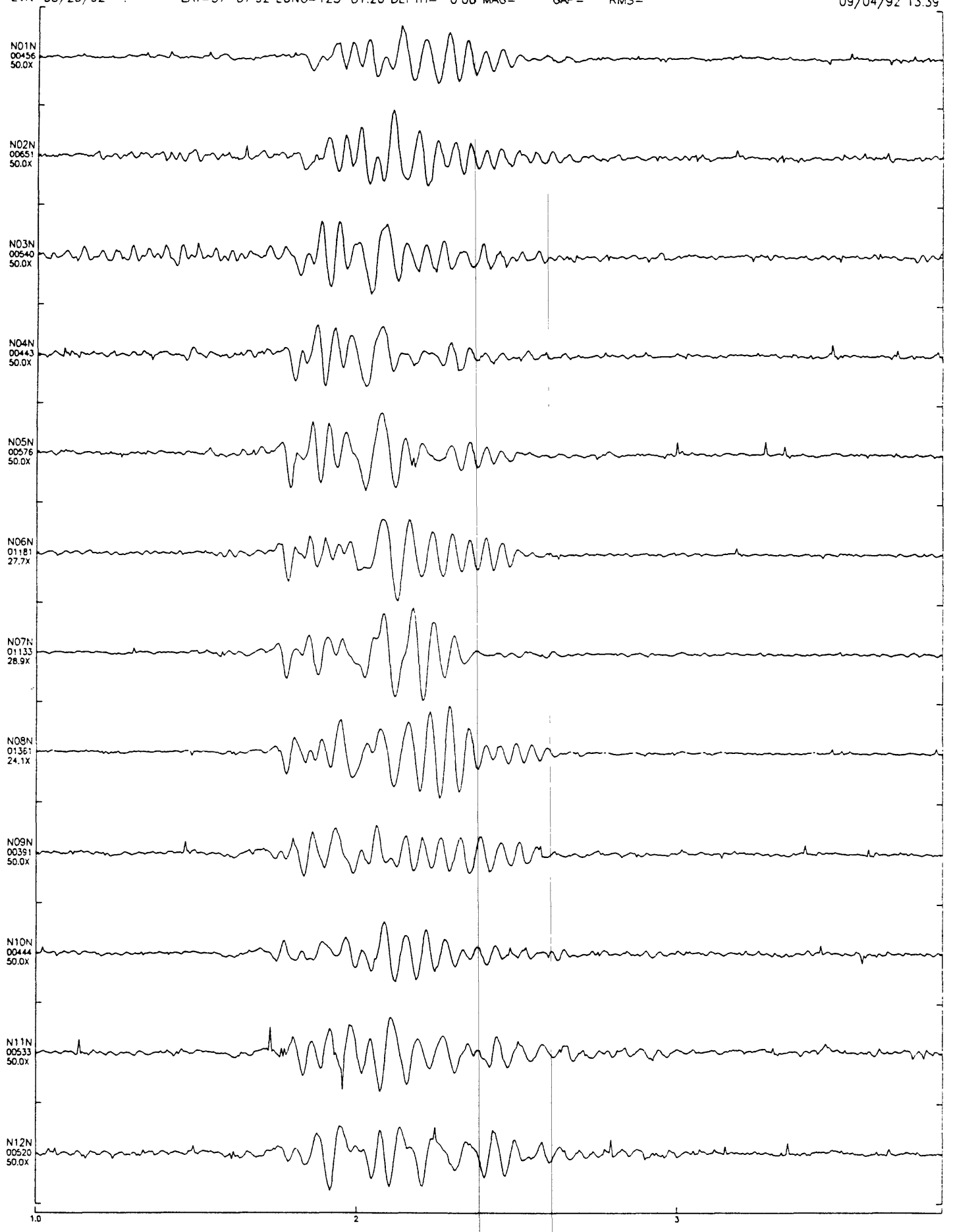
Sheet 1
09/04/92 13 37
N01V 00335 50.0x
N02V 00448 50.0x
N03V 00424 50.0x
N04V 00368 50.0x
N05V 00279 50.0x
N06V 00434 50.0x
N07V 00443 50.0x
N08V 00433 50.0x
N09V 00139 50.0x
N10V 00143 50.0x
N11V 00289 50.0x
N12V 00601 50.0x
1.0
2
3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Sheet 1
09/04/92 13.39
N01N 00456 50.0X
N02N 00651 50.0X
N03N 00540 50.0X
N04N 00443 50.0X
N05N 00576 50.0X
N06N 01181 27.7X
N07N 01133 28.9X
N08N 01361 24.1X
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N10N 00444 50.0X
N11N 00533 50.0X
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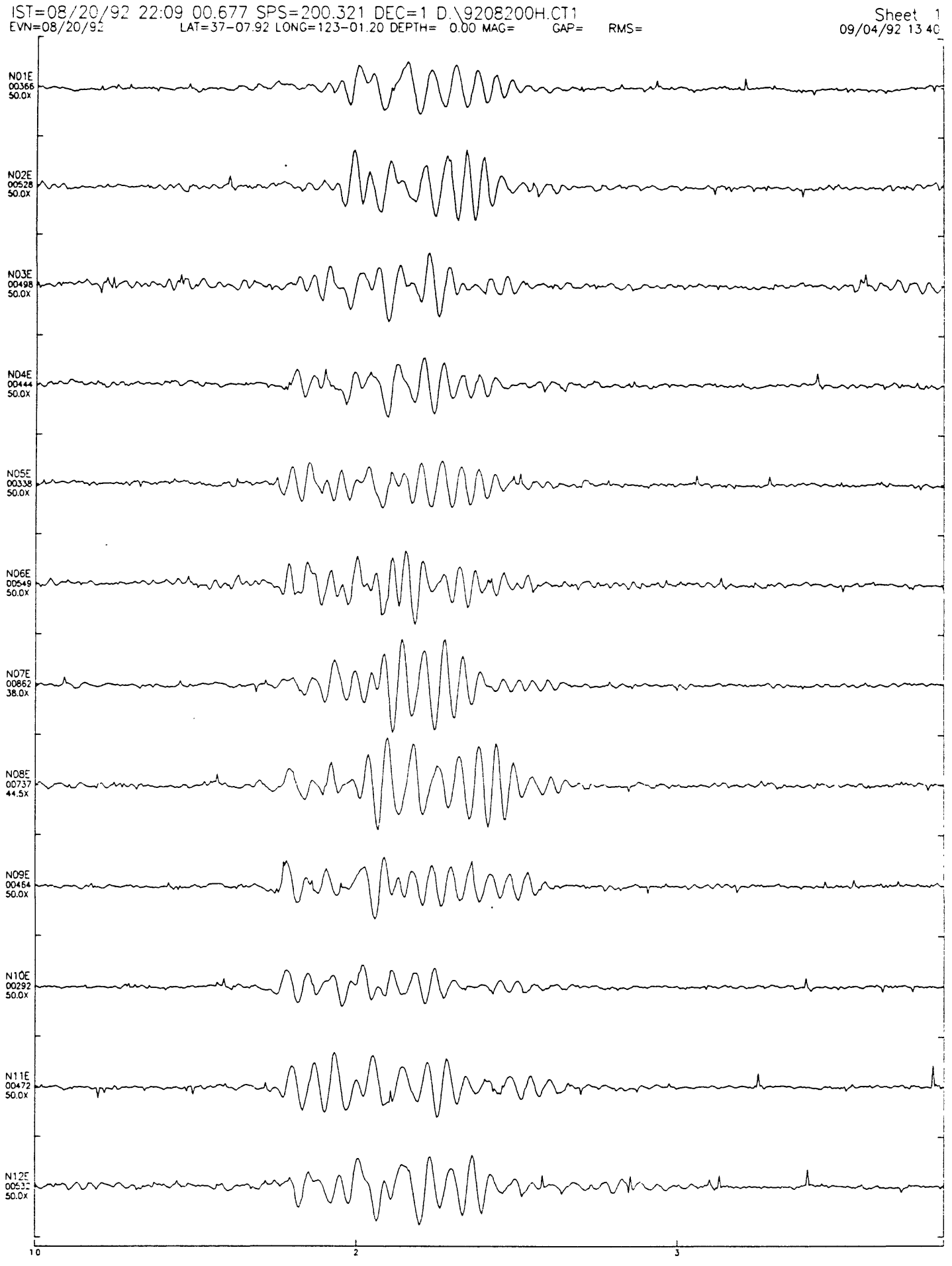
1.0
2
3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09/04/92 13 40
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N02E 00528 50.0x
N03E 00498 50.0x
N04E 00444 50.0x
N05E 00338 50.0x
N06E 00549 50.0x
N07E 00862 38.0x
N08E 00737 44.5x
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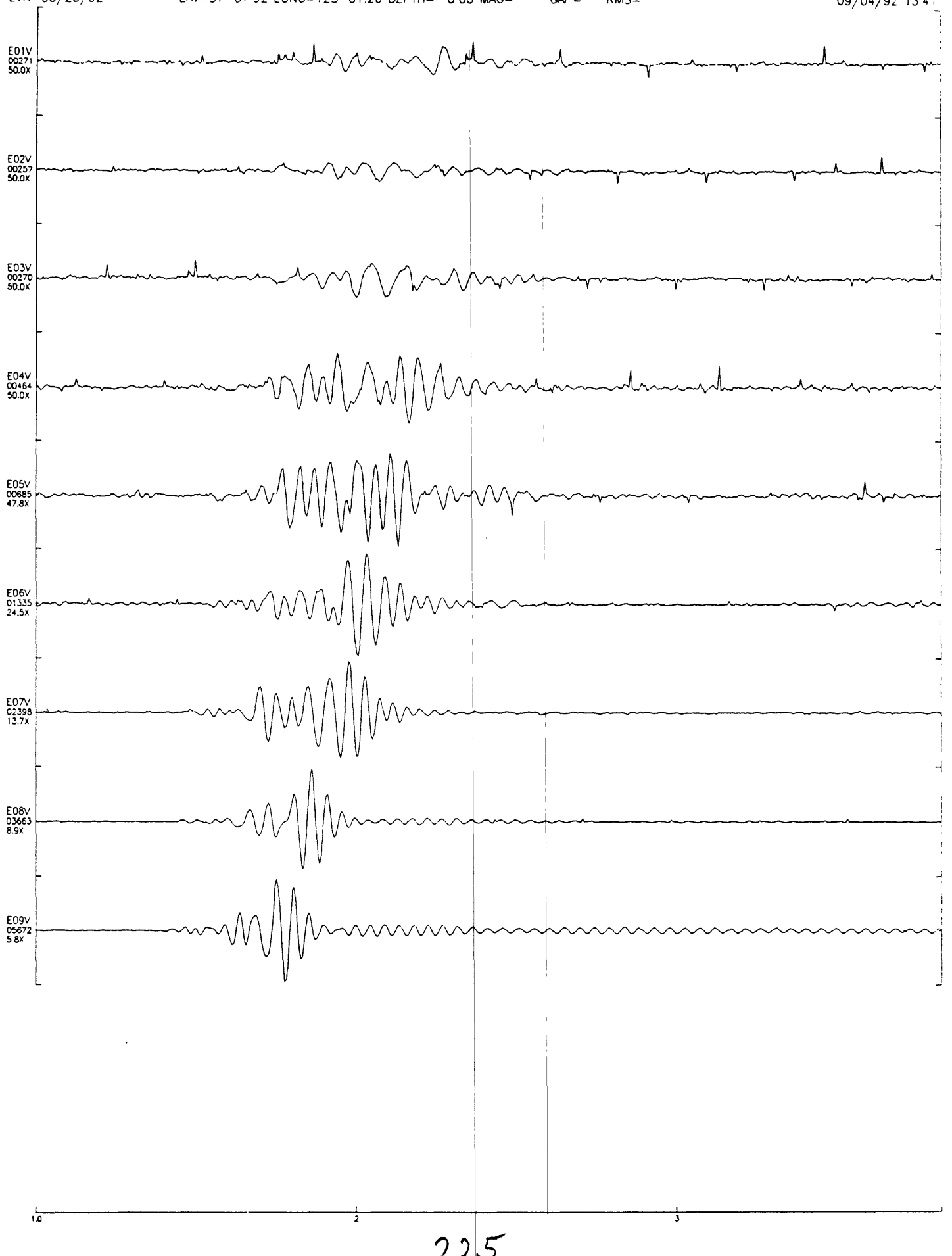
1 0
2
3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Sheet 1
09/04/92 13 41
E01V
00271
50.0X
E02V
00257
50.0X
E03V
00270
50.0X
E04V
00464
50.0X
E05V
00685
47.8X
E06V
01335
24.5X
E07V
02398
13.7X
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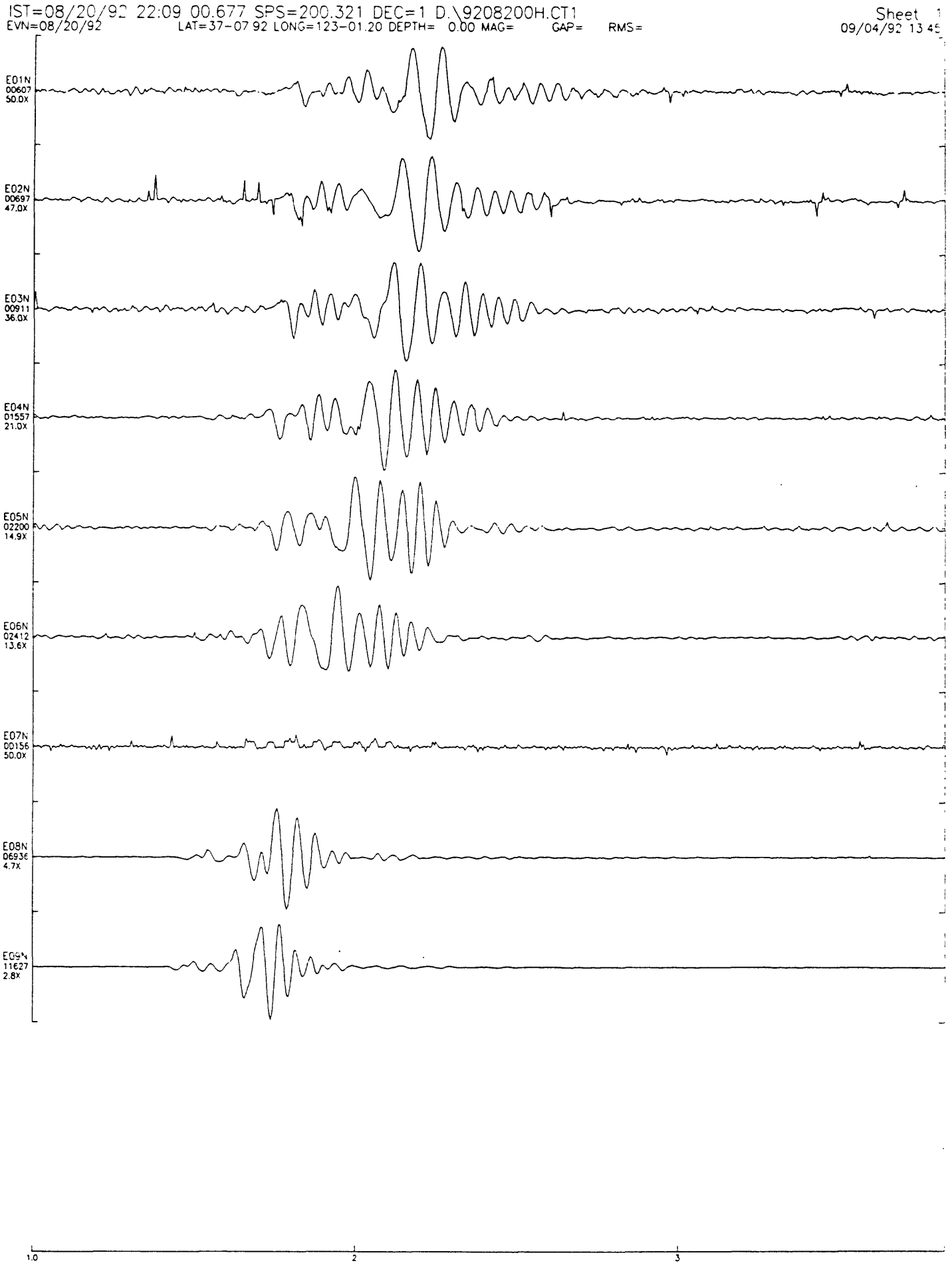
03663
8.9X
E09V
05672
5.8X
1.0
2
3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09/04/92 13 45
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E02N
00697
47.0X
E03N
00911
36.0X
E04N
01557
21.0X
E05N
02200
14.9X
E06N
02412
13.6X
E07N
00156
50.0X
E08N
06936
4.7X
E09N
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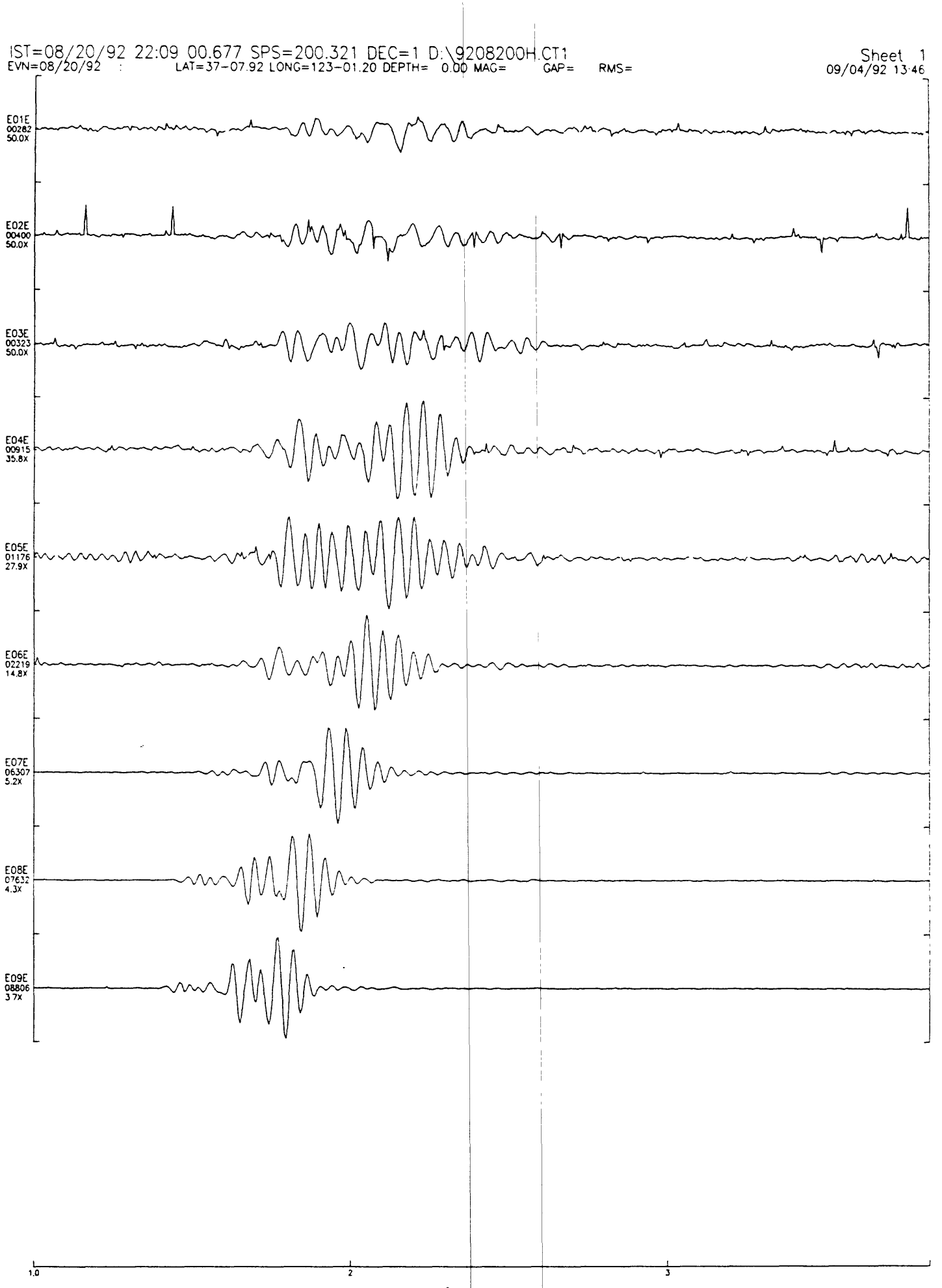
2.8X
1.0
2
3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09/04/92 13:46
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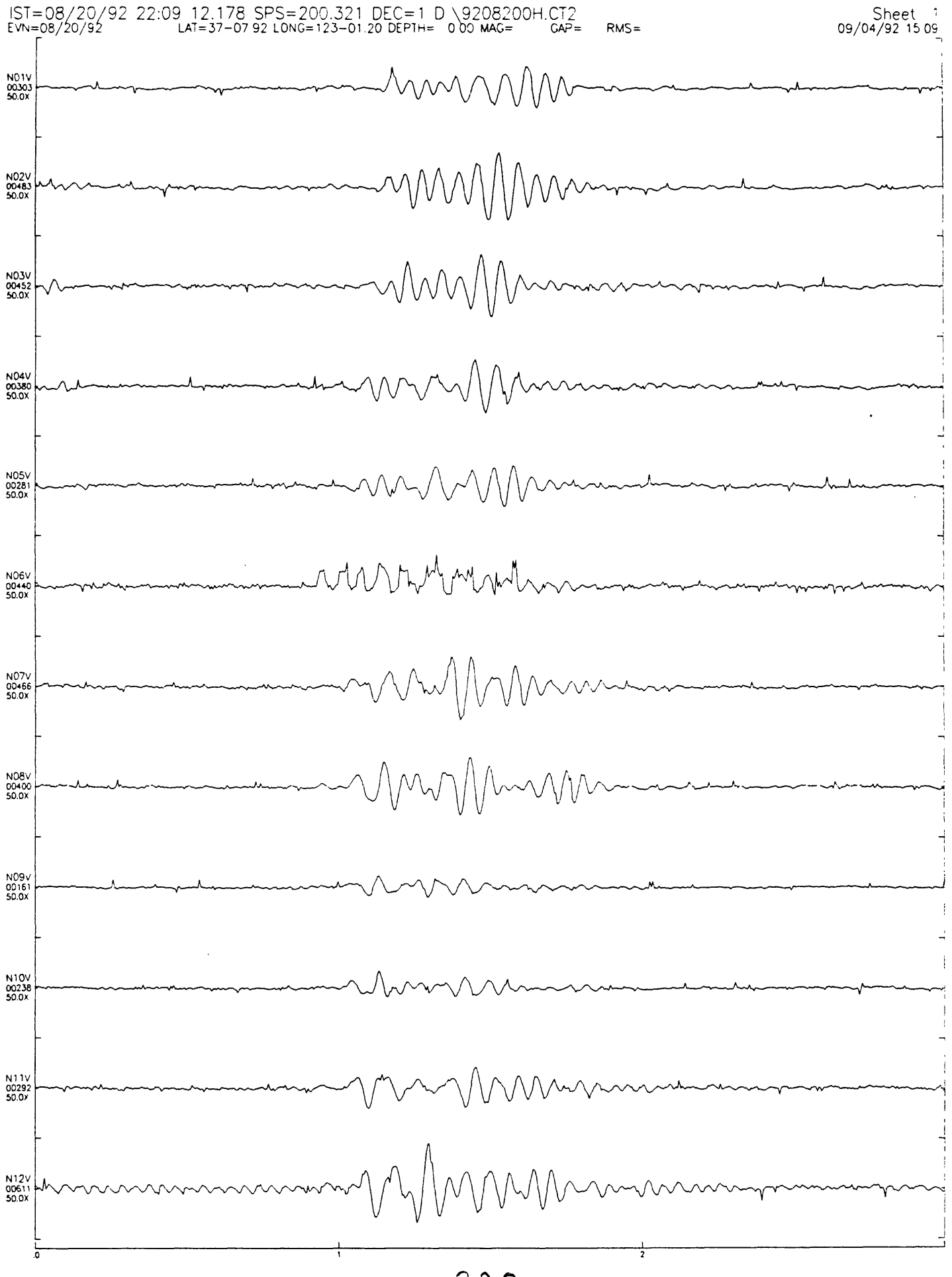
E02E
00400
50.0X
E03E
00323
50.0X
E04E
00915
35.8X
E05E
01176
27.9X
E06E
02219
14.8X
E07E
06307
5.2X
E08E
07632
4.3X
E09E
08806
3.7X
1.0
2
3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N02V 00483 50.0X
N03V 00452 50.0X
N04V 00380 50.0X
N05V 00281 50.0X
N06V 00440 50.0X
N07V 00466 50.0X
N08V 00400 50.0X
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N10V 00238 50.0X
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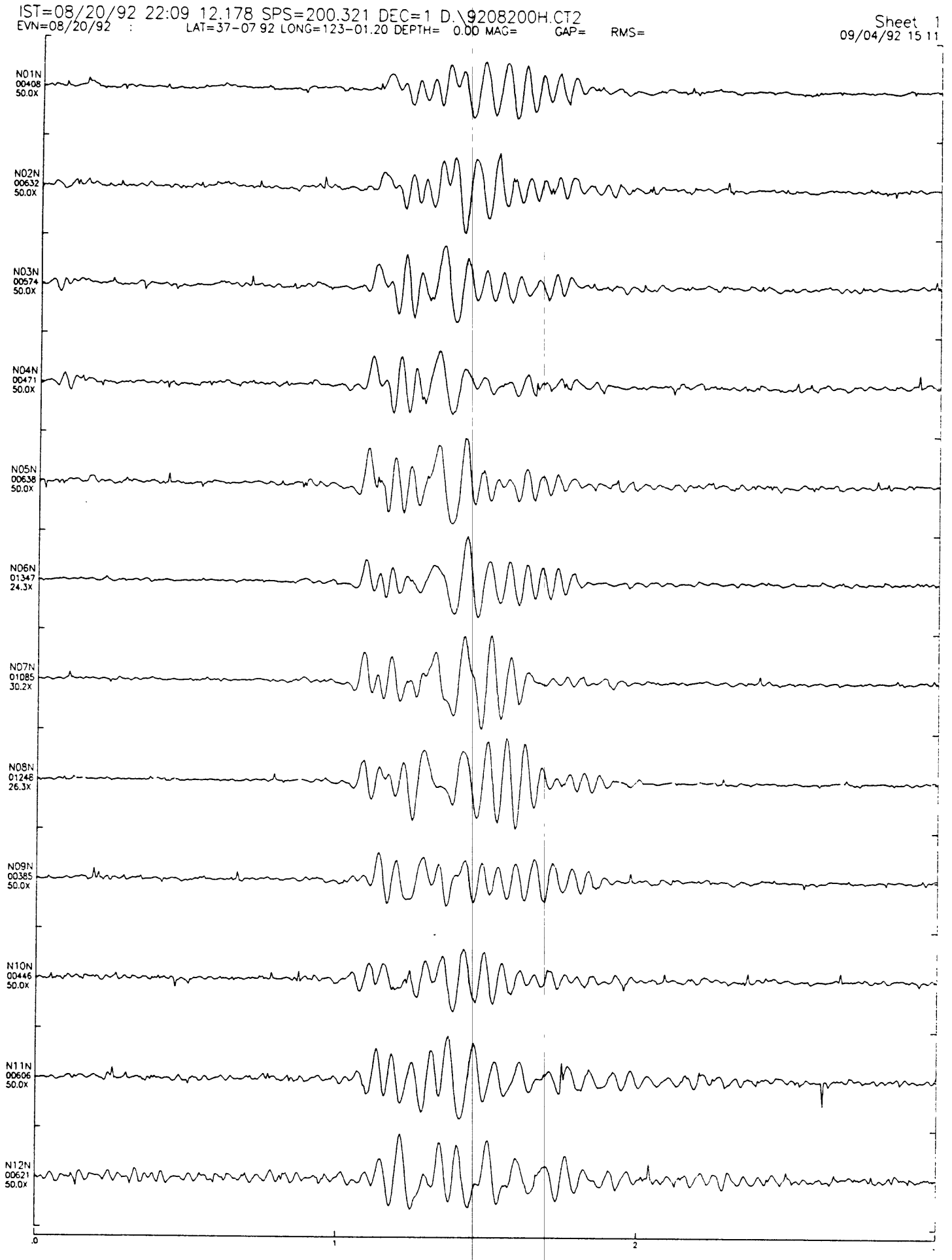
1
2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Sheet 1
09/04/92 15 11
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N02N 00632 50.0x
N03N 00574 50.0x
N04N 00471 50.0x
N05N 00638 50.0x
N06N 01347 24.3x
N07N 01085 30.2x
N08N 01248 26.3x
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N10N 00446 50.0x
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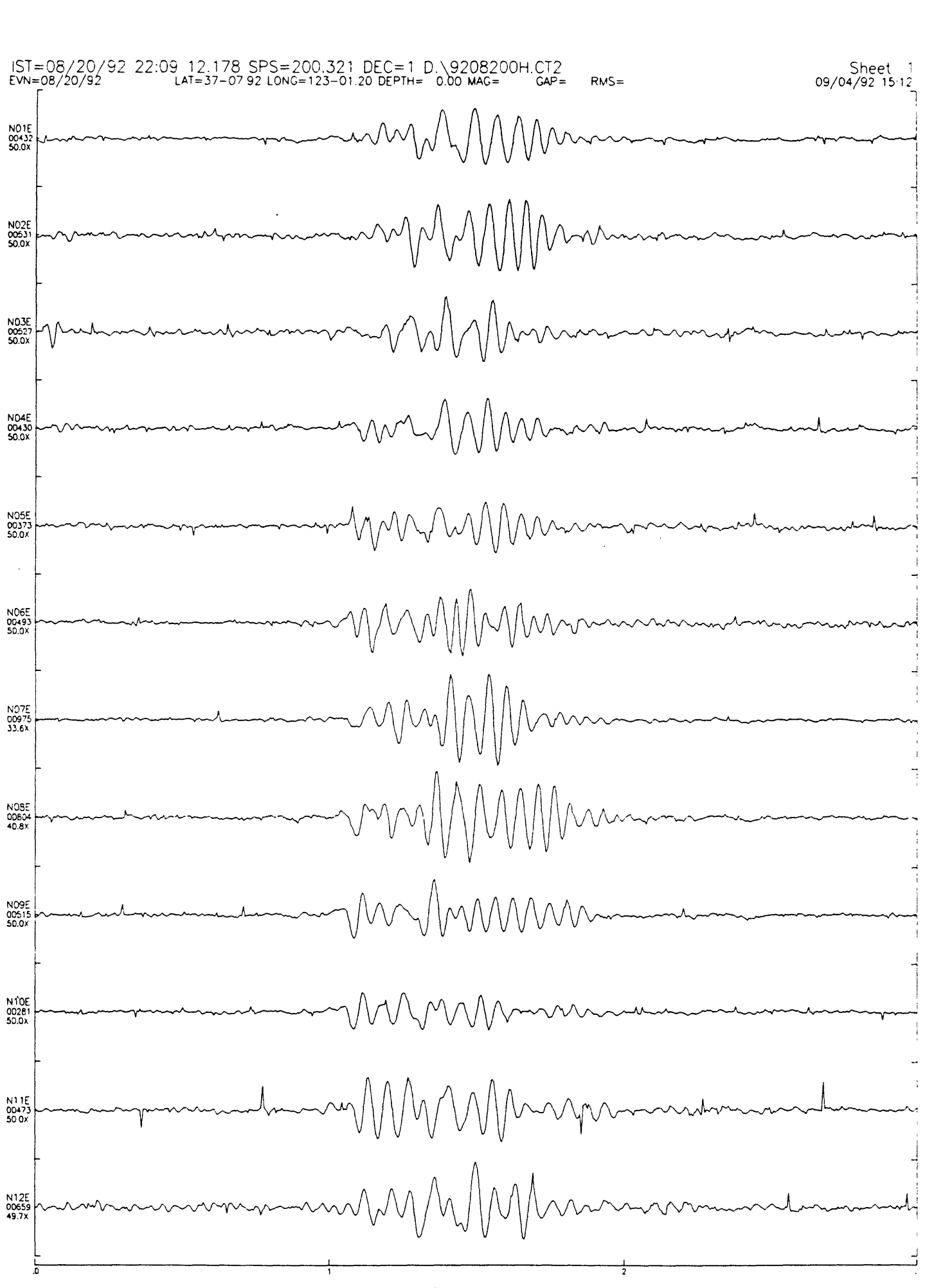
N12N 00621 50.0x
.0
1
2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Sheet 1
09/04/92 15:12
N01E 00432 50.0x
N02E 00531 50.0x
N03E 00527 50.0x
N04E 00430 50.0x
N05E 00373 50.0x
N06E 00493 50.0x
N07E 00975 33.6x
N08E 00604 40.8x
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N10E 00281 50.0x
N11E 00473 50.0x
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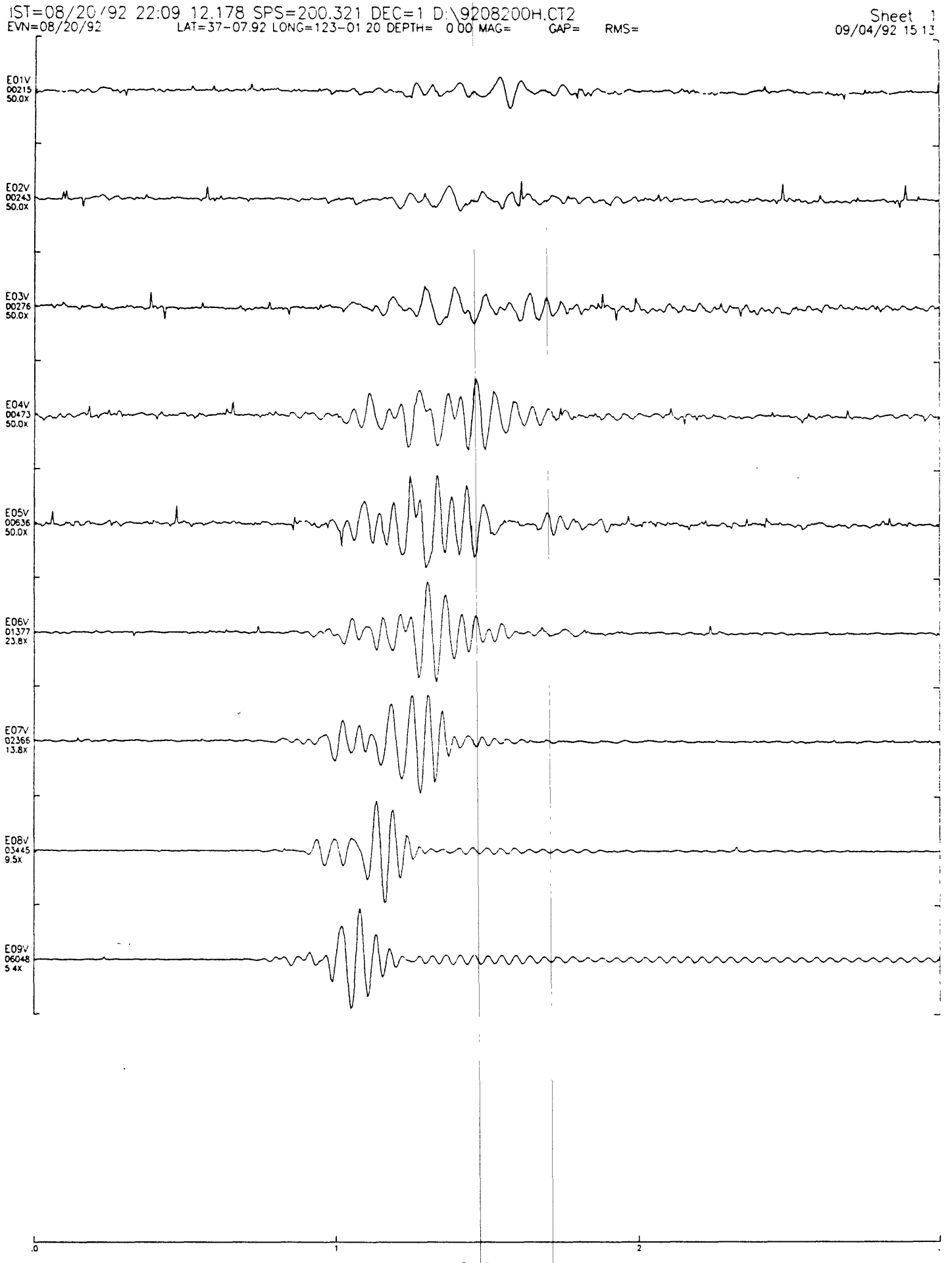
0
1
2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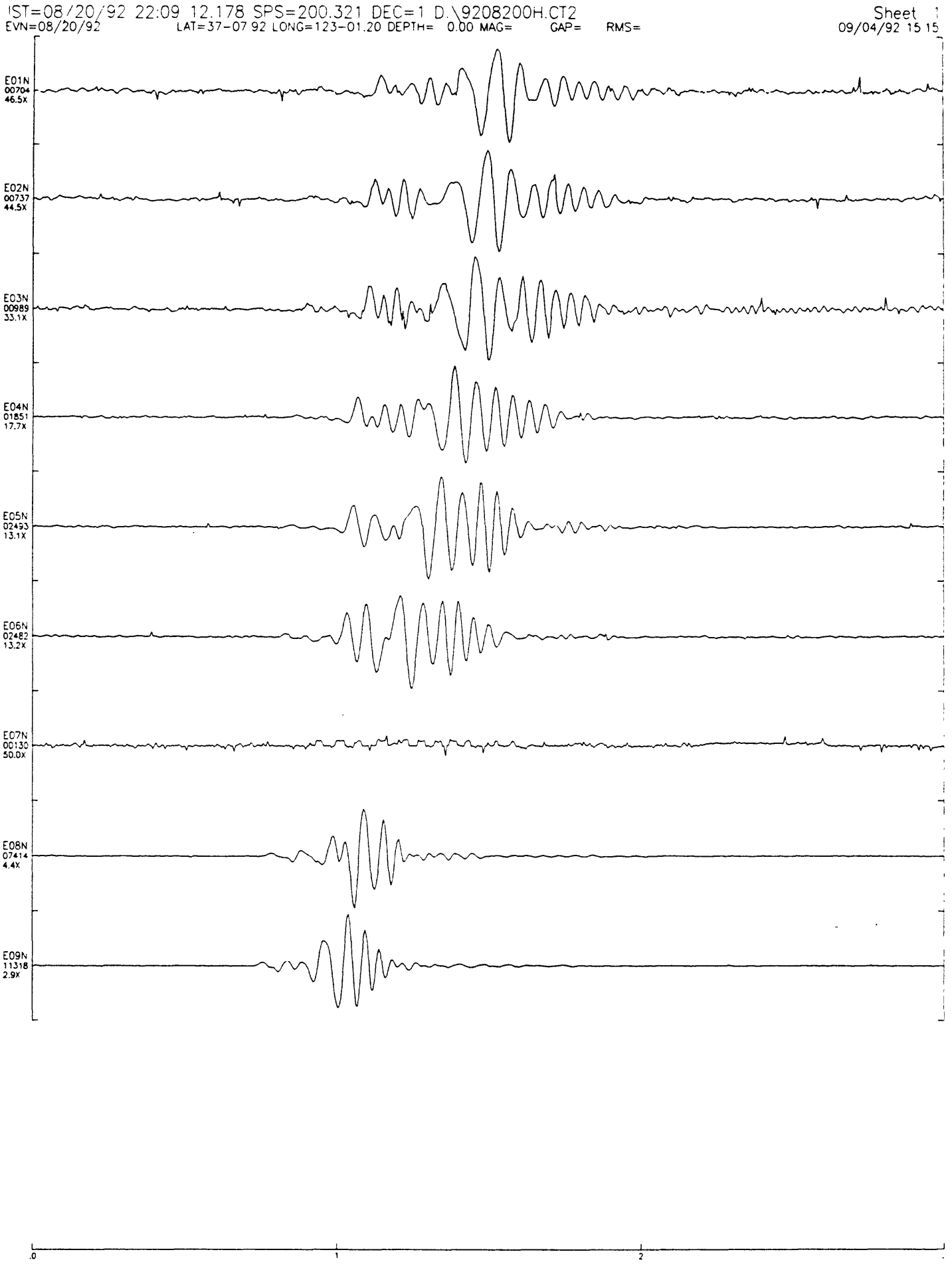
Sheet 1
09/04/92 15 13
E01V
00215
50.0x
E02V
00243
50.0x
E03V
00276
50.0x
E04V
00473
50.0x
E05V
00636
50.0x
E06V
01377
23.8x
E07V
02366
13.8x
E08V
03445
9.5x
E09V
06048
5.4x
.0
1
2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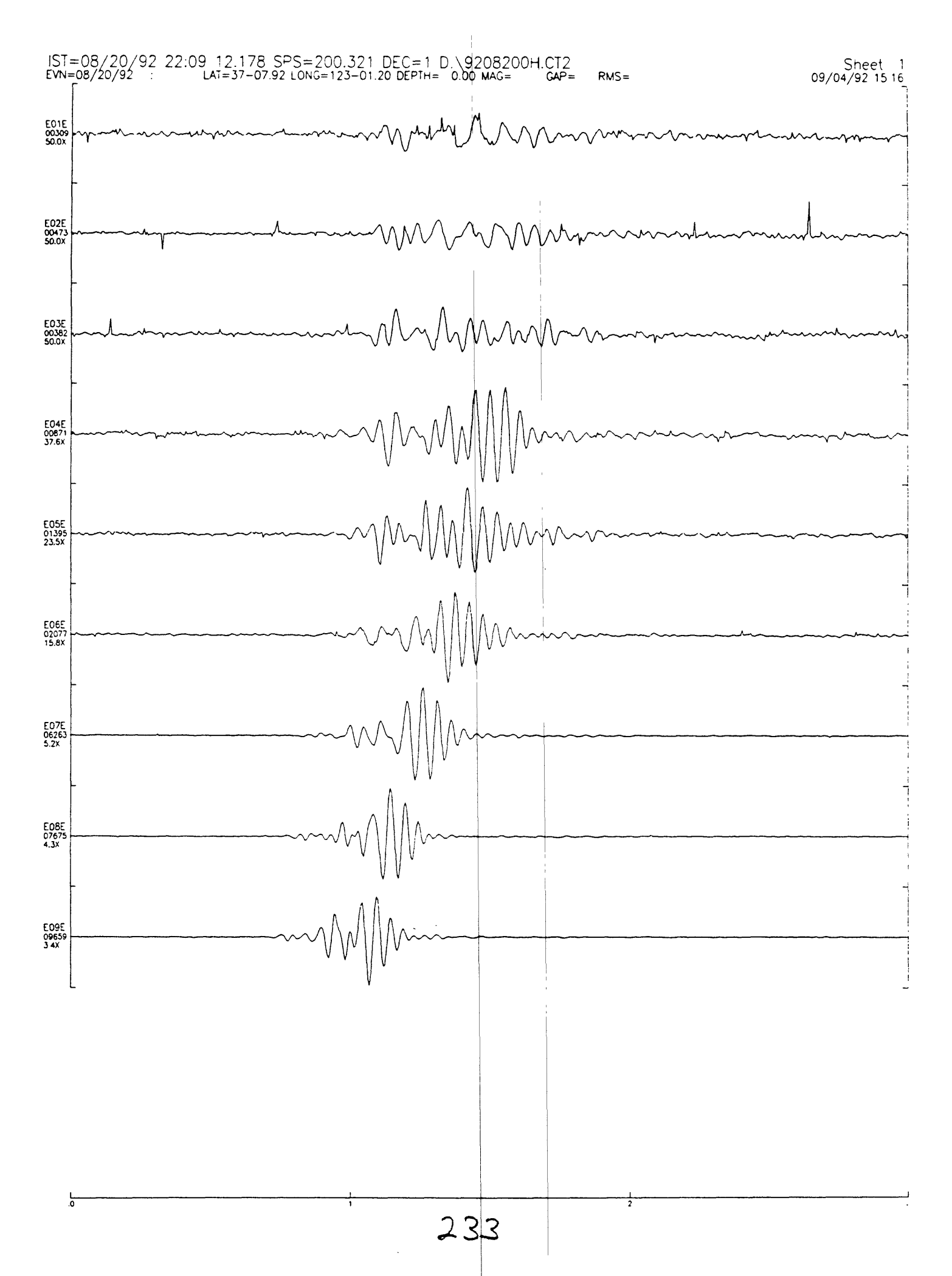
Sheet 1
09/04/92 15 15
E01N
00704
46.5X
E02N
00737
44.5X
E03N
00989
33.1X
E04N
01851
17.7X
E05N
02493
13.1X
E06N
02482
13.2X
E07N
00130
50.0X
E08N
07414
4.4X
E09N
11318
2.9X
.0
1
2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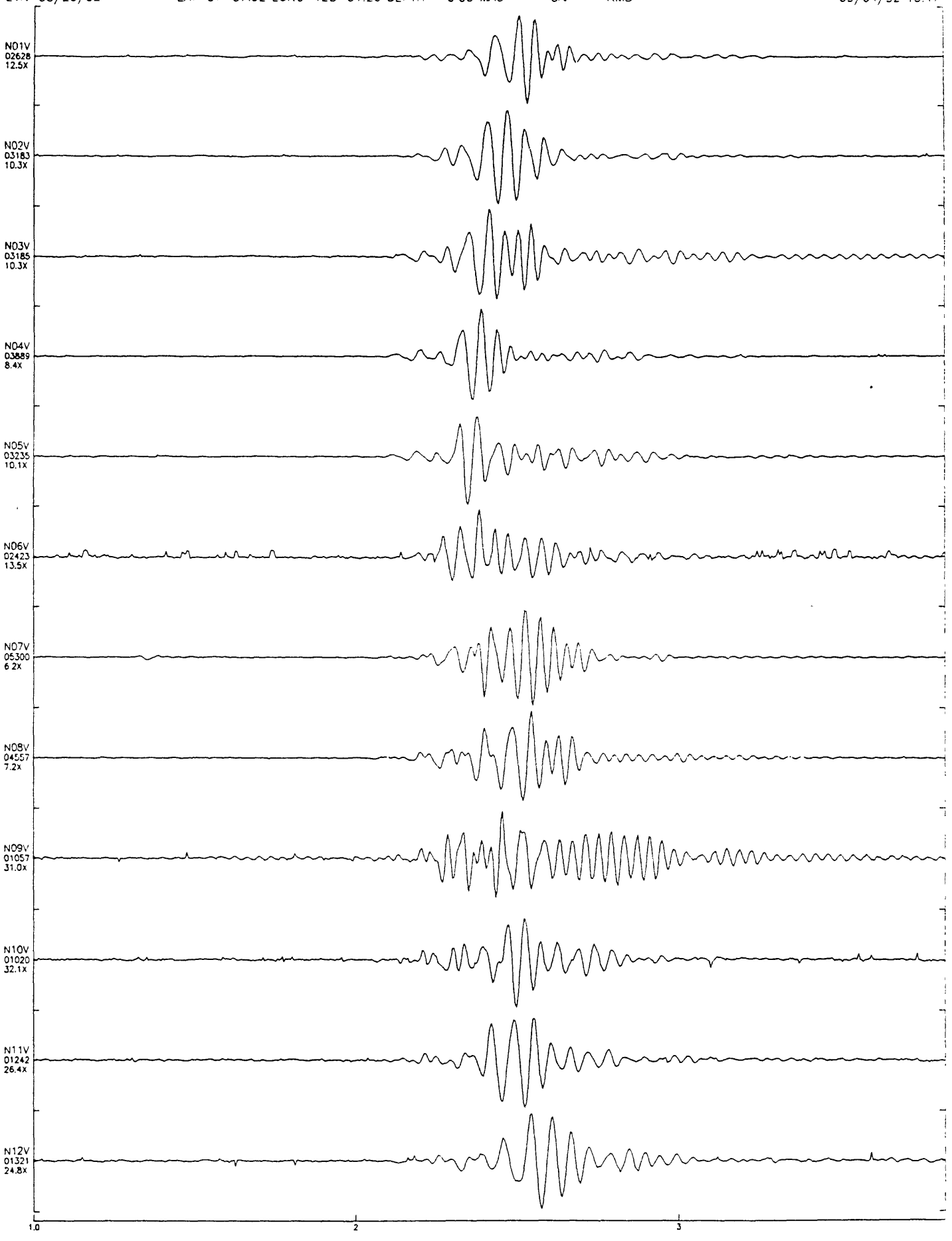
Sheet 1
09/04/92 15 16
E01E
00309
50.0X
E02E
00473
50.0X
E03E
00382
50.0X
E04E
00871
37.6X
E05E
01395
23.5X
E06E
02077
15.8X
E07E
06263
5.2X
E08E
07675
4.3X
E09E
09659
3.4X
0
1
2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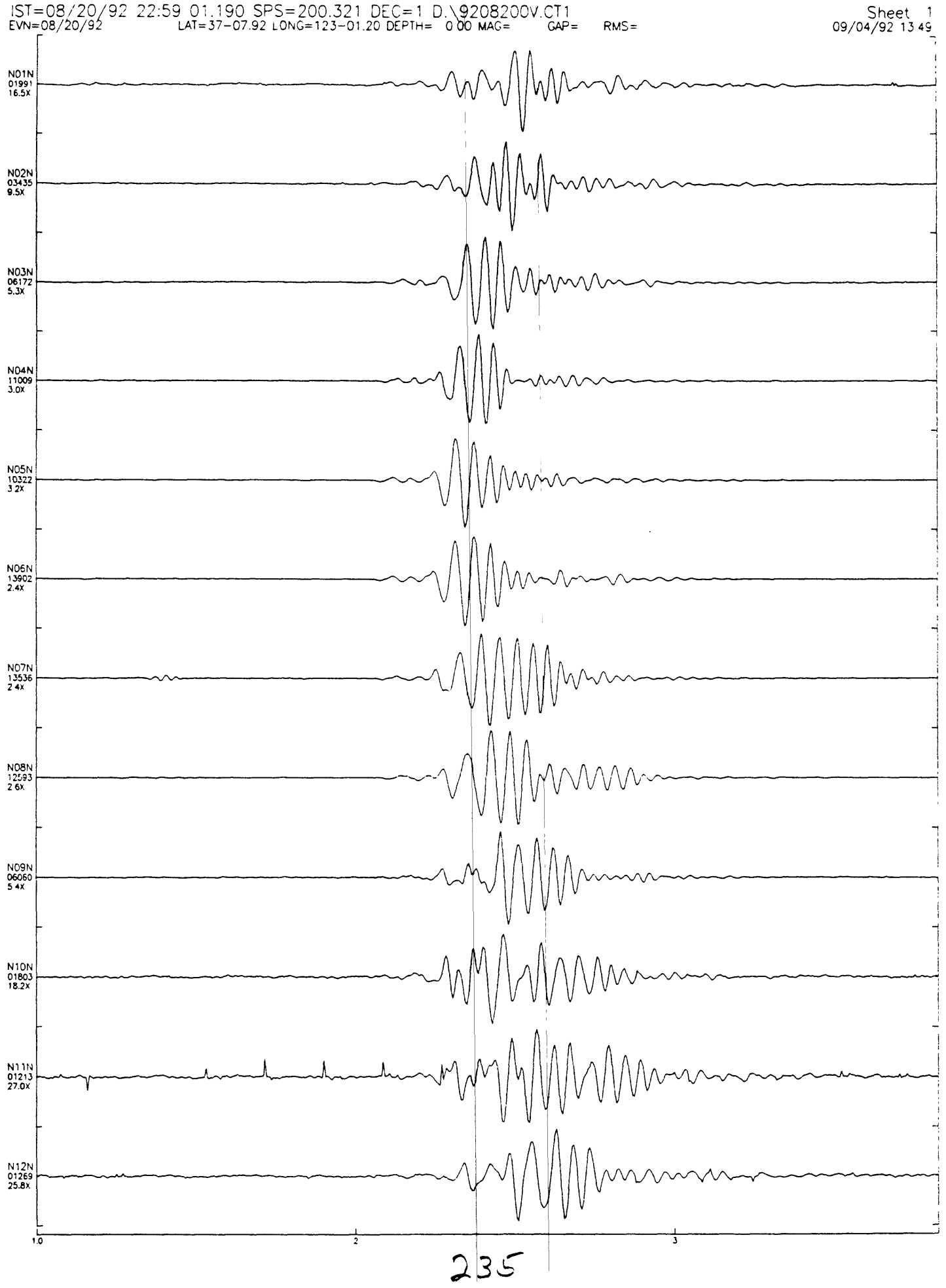
N01V
02628
12.5X
N02V
03183
10.3X
N03V
03185
10.3X
N04V
03889
8.4X
N05V
03235
10.1X
N06V
02423
13.5X
N07V
05300
6.2X
N08V
04557
7.2X
N09V
01057
31.0X
N10V
01020
32.1X
N11V
01242
26.4X
N12V
01321
24.8X
1.0
2
3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N02N 03435 9.5X
N03N 06172 5.3X
N04N 11009 3.0X
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N06N 13902 2.4X
N07N 13536 2.4X
N08N 12593 2.6X
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N10N 01803 18.2X
N11N 01213 27.0X
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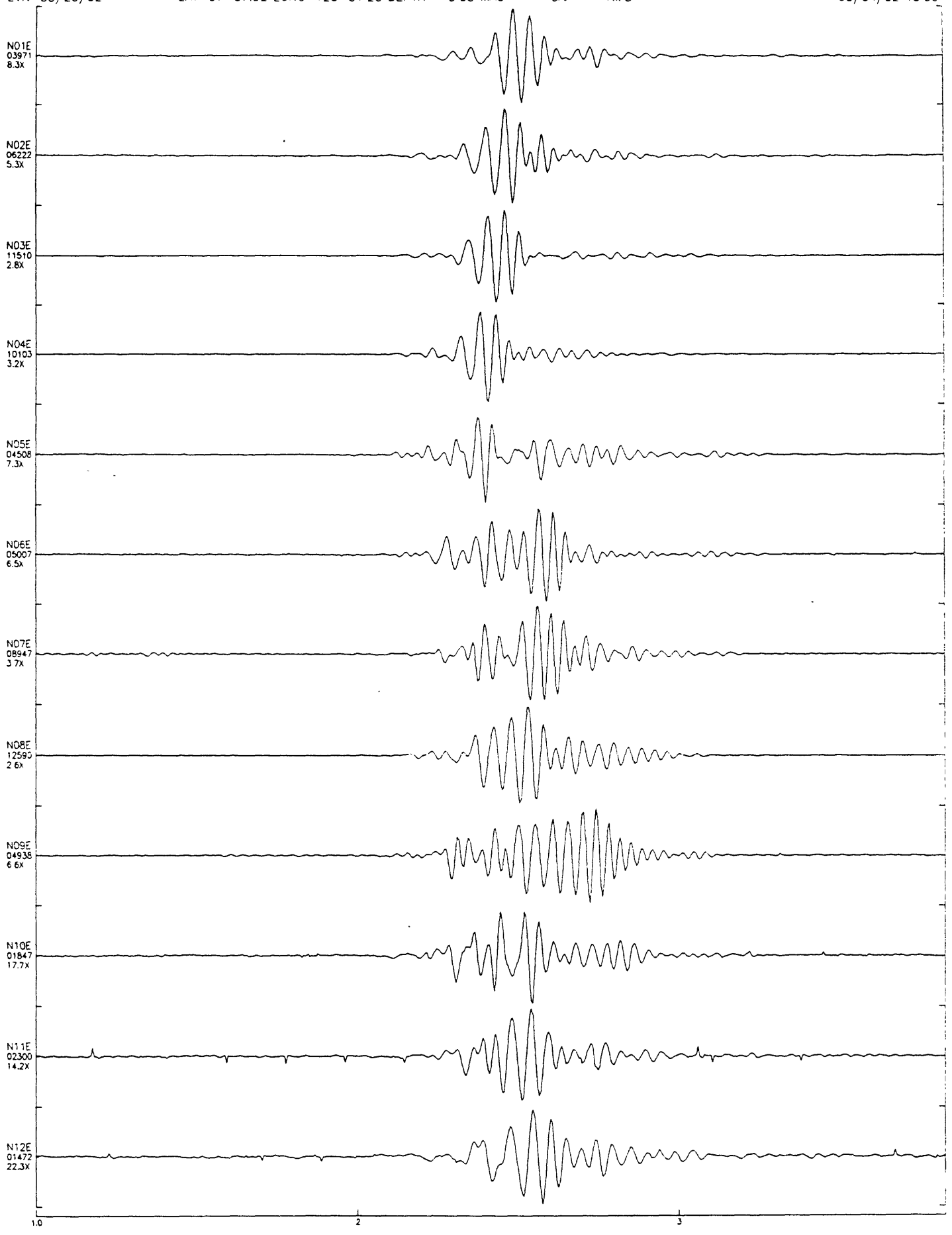
1.0
2
3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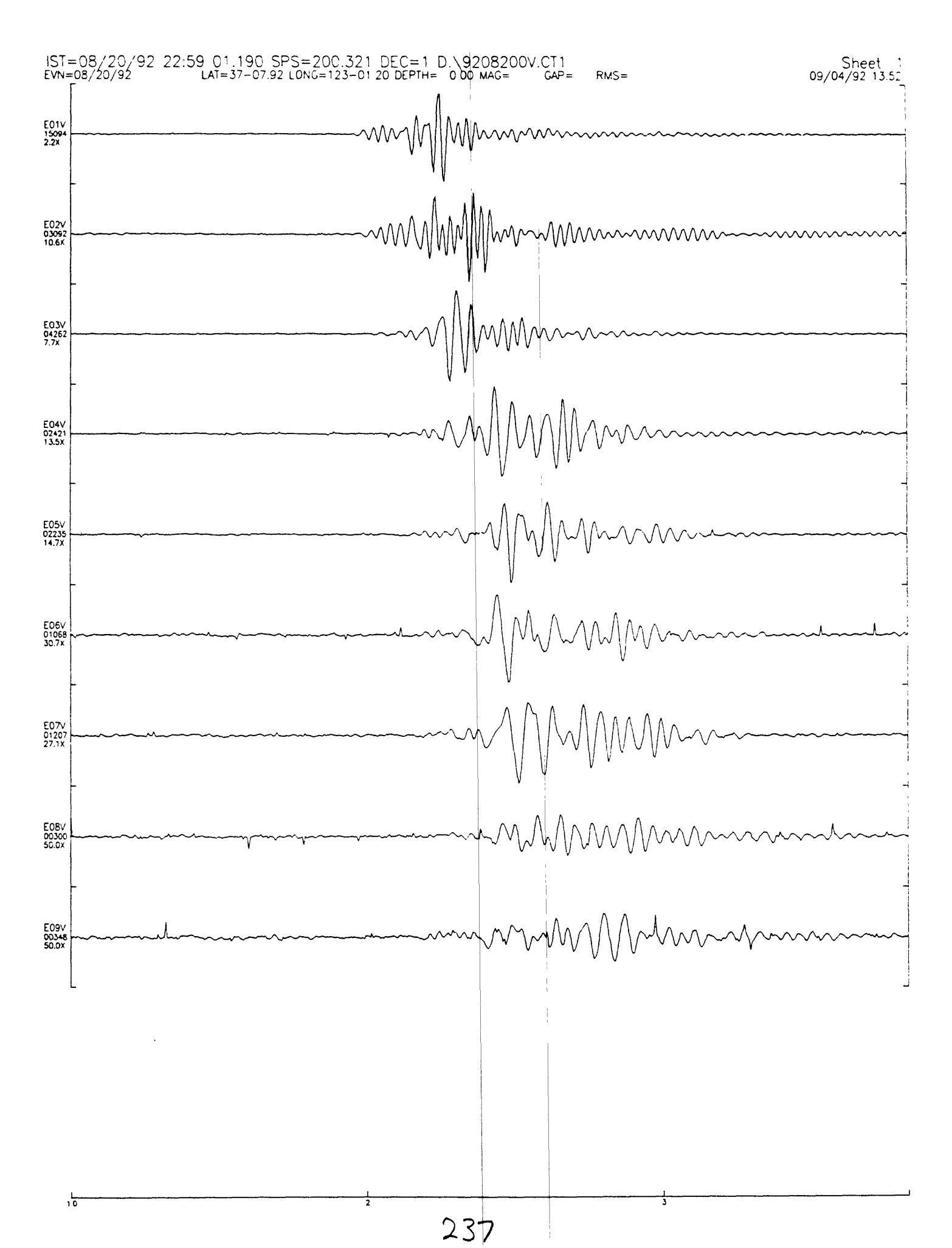
03971
8.3x
N02E
06222
5.3x
N03E
11510
2.8x
N04E
10103
3.2x
N05E
04508
7.3x
N06E
05007
6.5x
N07E
08947
3.7x
N08E
12590
2.6x
N09E
04938
6.6x
N10E
01847
17.7x
N11E
02300
14.2x
N12E
01472
22.3x
1.0
2
3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15094
2.2X
E02V
03092
10.6X
E03V
04262
7.7X
E04V
02421
13.5X
E05V
02235
14.7X
E06V
01068
30.7X
E07V
01207
27.1X
E08V
00300
50.0X
E09V
00348
50.0X
10
2
3

IST=08/20/92 22:59 01.190 SPS=200.321 DEC=1 D:\9208200V.CT1 Sheet 1
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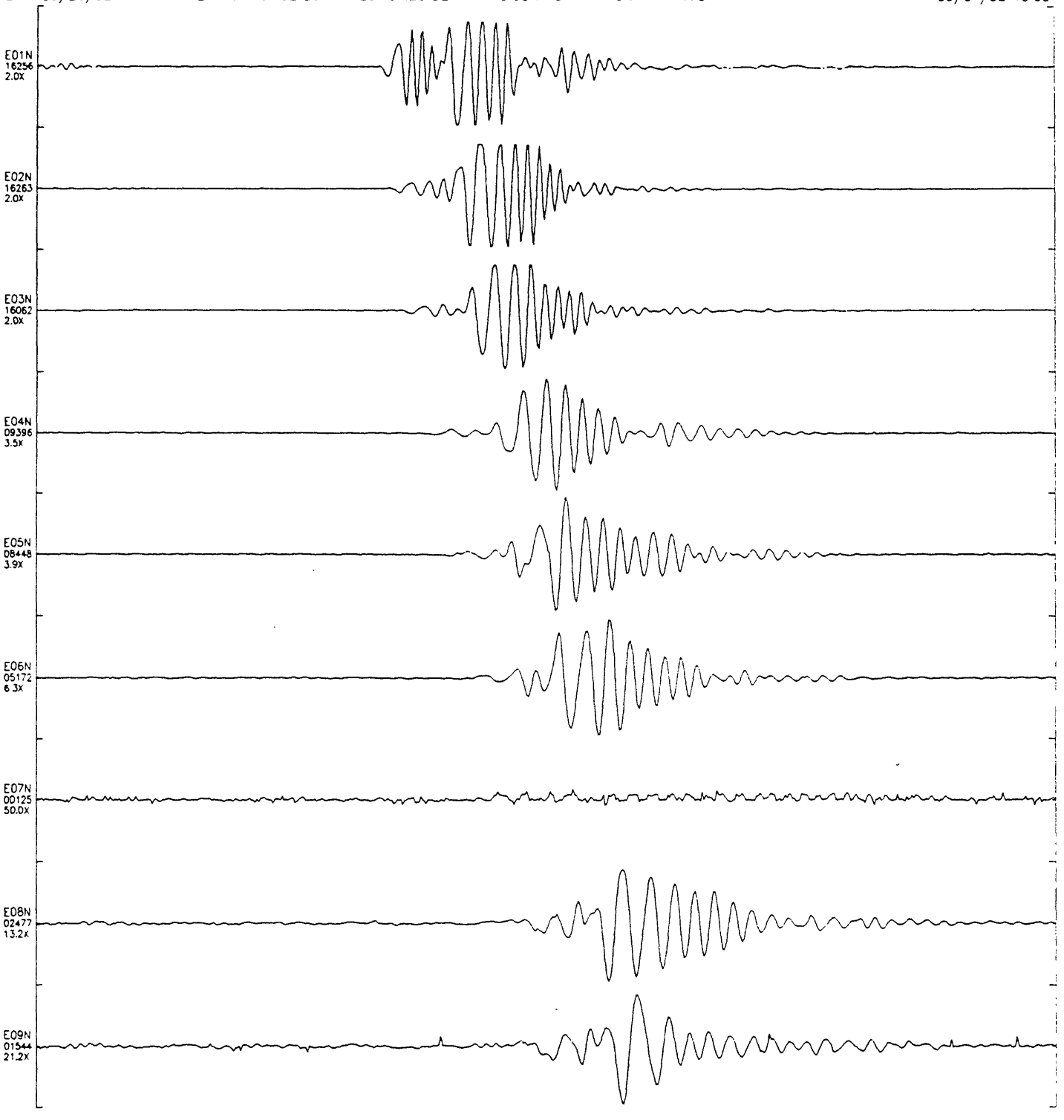

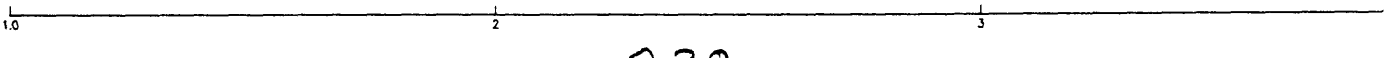

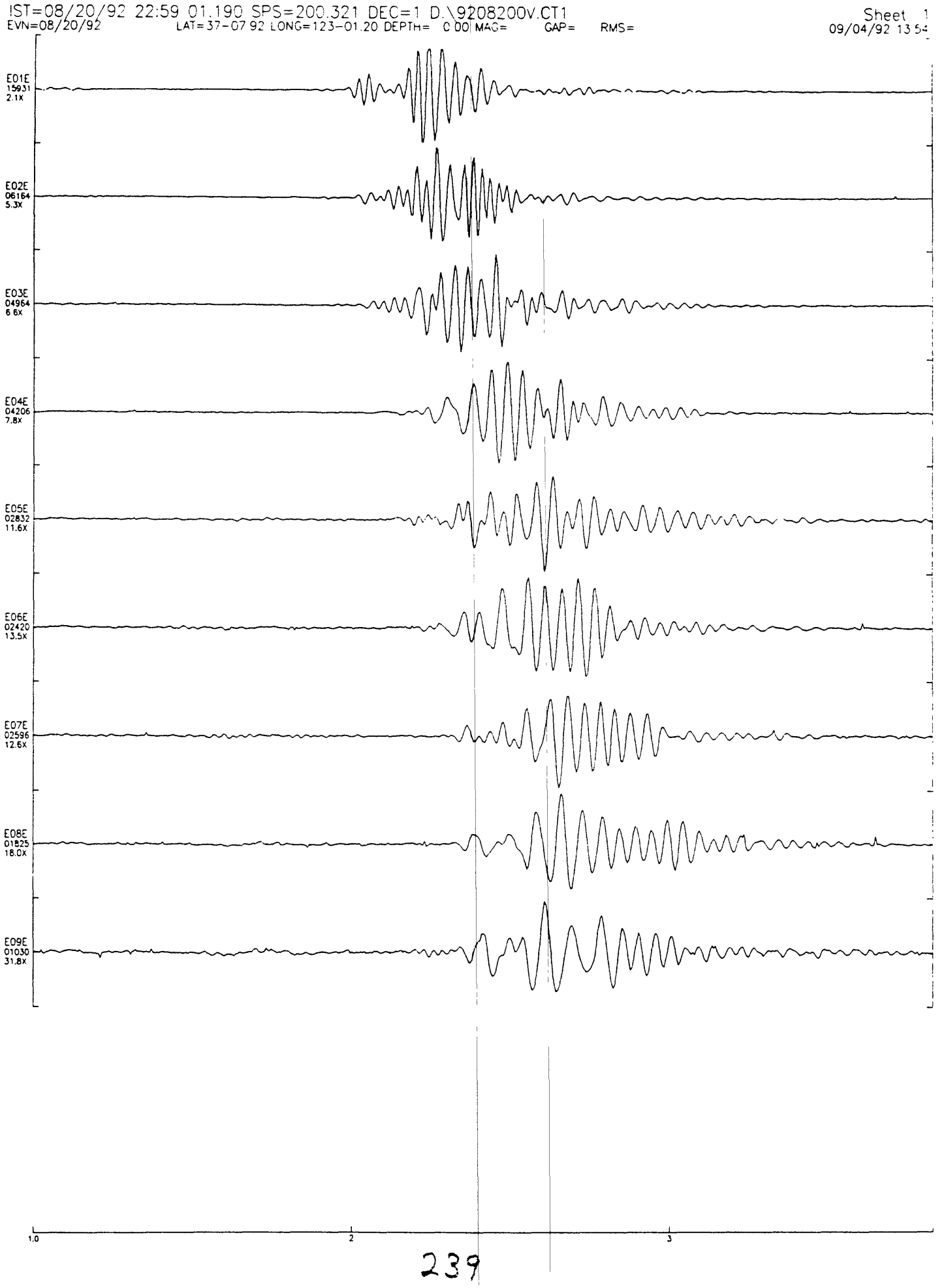
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09/04/92 13 54
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15931
2.1X
E02E
06164
5.3X
E03E
04984
6.6X
E04E
04206
7.8X
E05E
02832
11.6X
E06E
02420
13.5X
E07E
02596
12.6X
E08E
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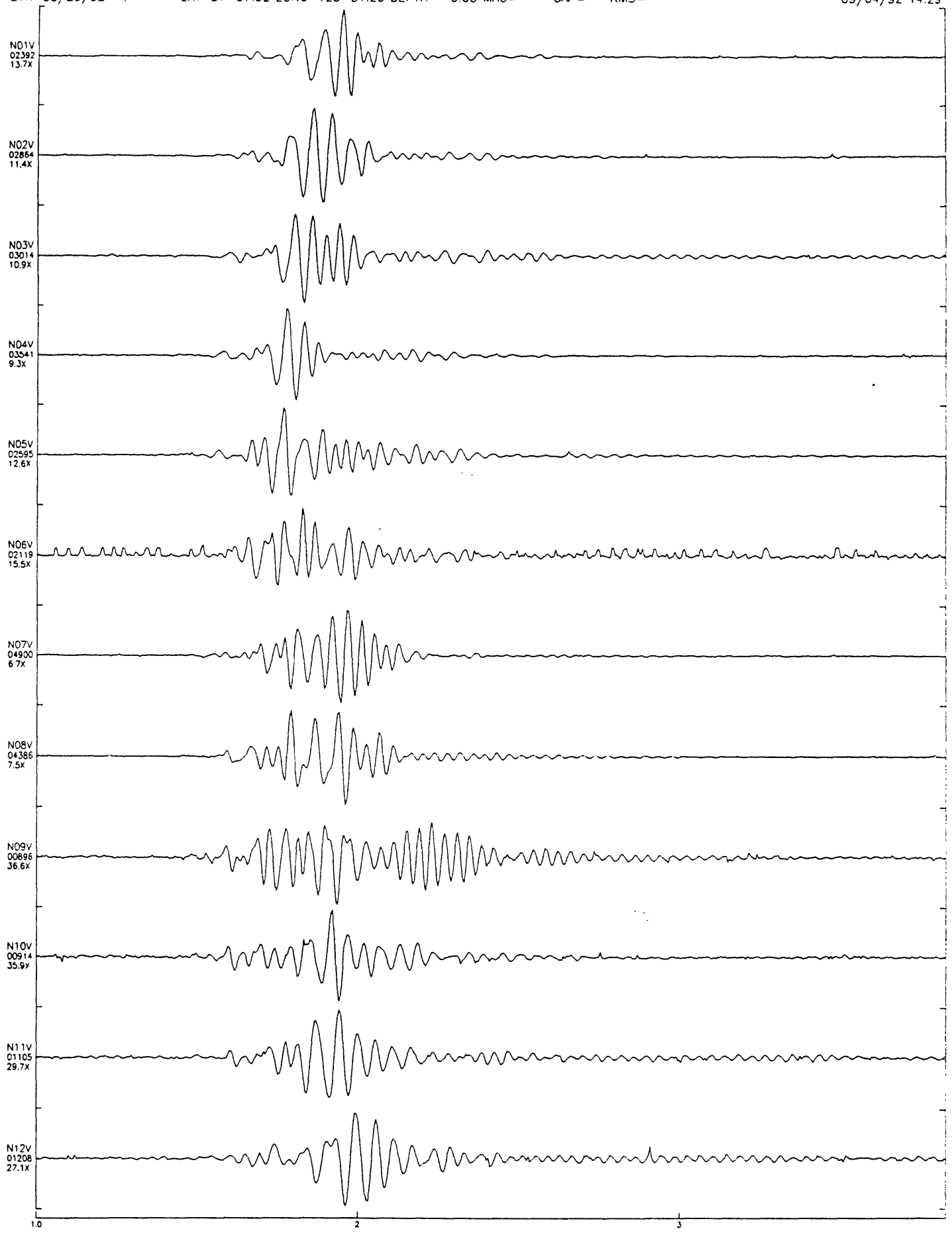
31.8X
1.0
2
3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N02V 02864 11.4X
N03V 03014 10.9X
N04V 03541 9.3X
N05V 02595 12.6X
N06V 02119 15.5X
N07V 04900 6.7X
N08V 04386 7.5X
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N10V 00914 35.9X
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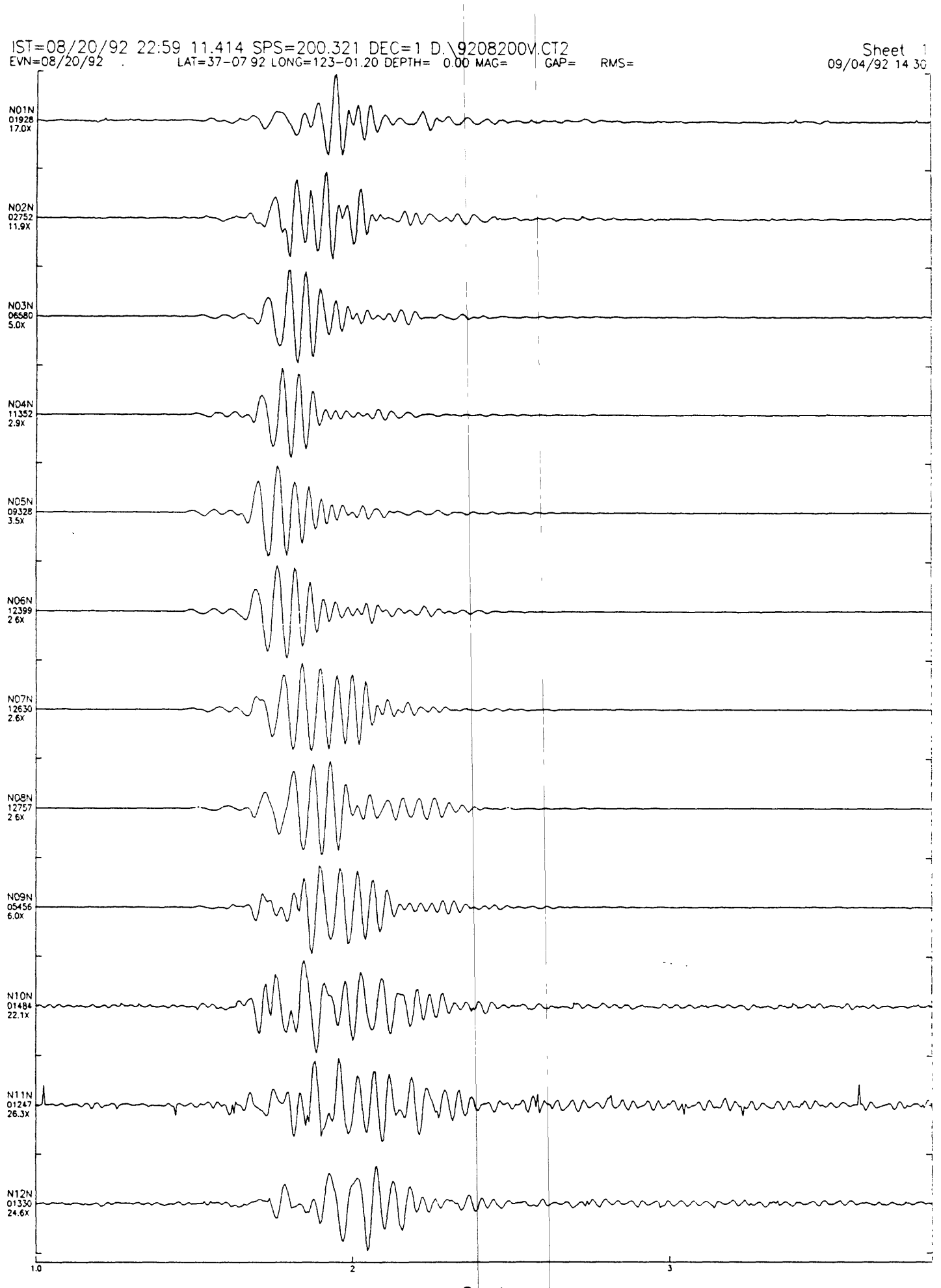
1.0
2
3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Sheet 1
09/04/92 14 30
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N02N 02752 11.9x
N03N 06580 5.0x
N04N 11352 2.9x
N05N 09328 3.5x
N06N 12399 2 6x
N07N 12630 2.6x
N08N 12757 2 6x
N09N 05456 6.0x
N10N 01484 22.1x
N11N 01247 26.3x
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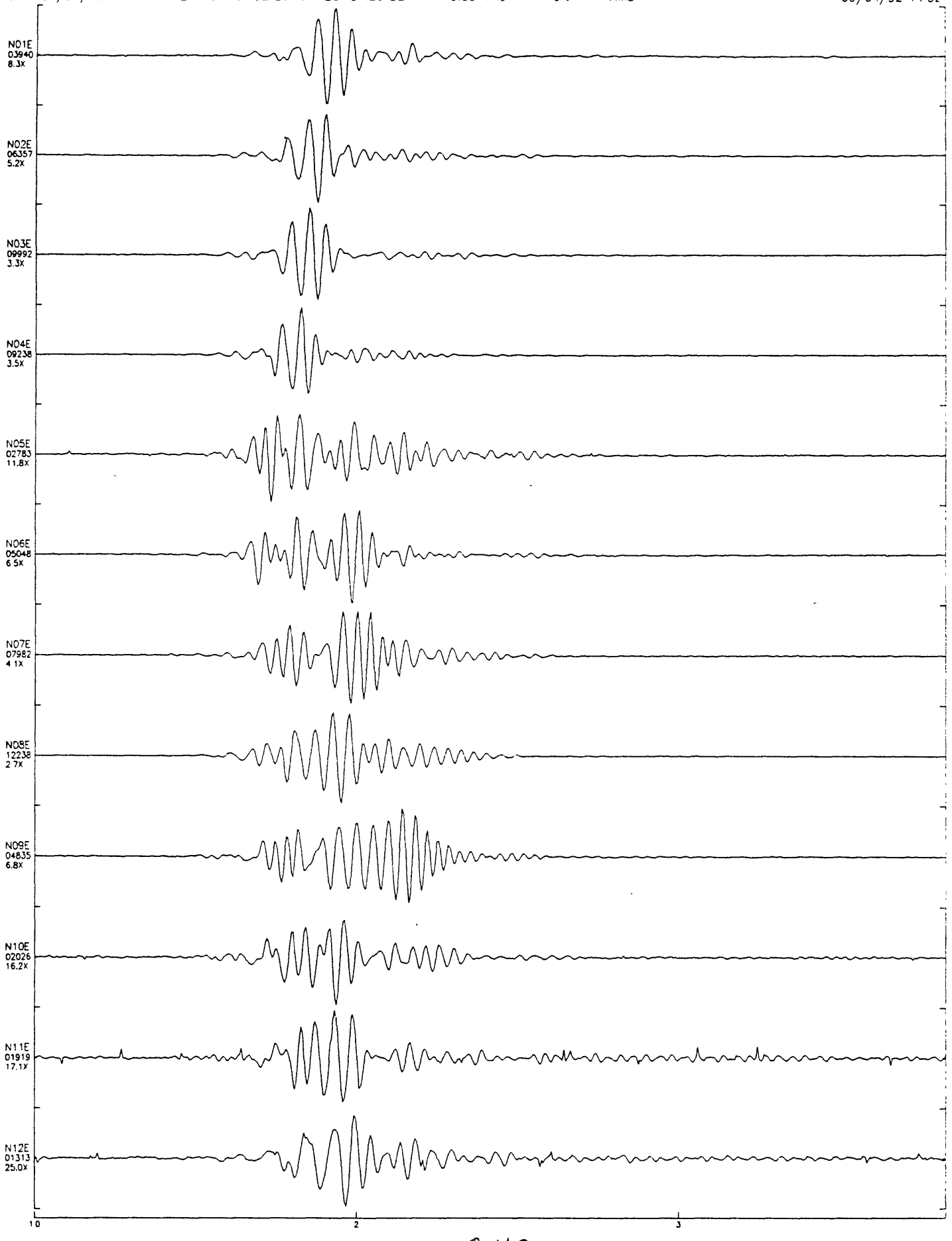
1.0
2
3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N02E 06357 5.2X
N03E 09992 3.3X
N04E 09238 3.5X
N05E 02783 11.8X
N06E 05048 6.5X
N07E 07982 4.1X
N08E 12238 2.7X
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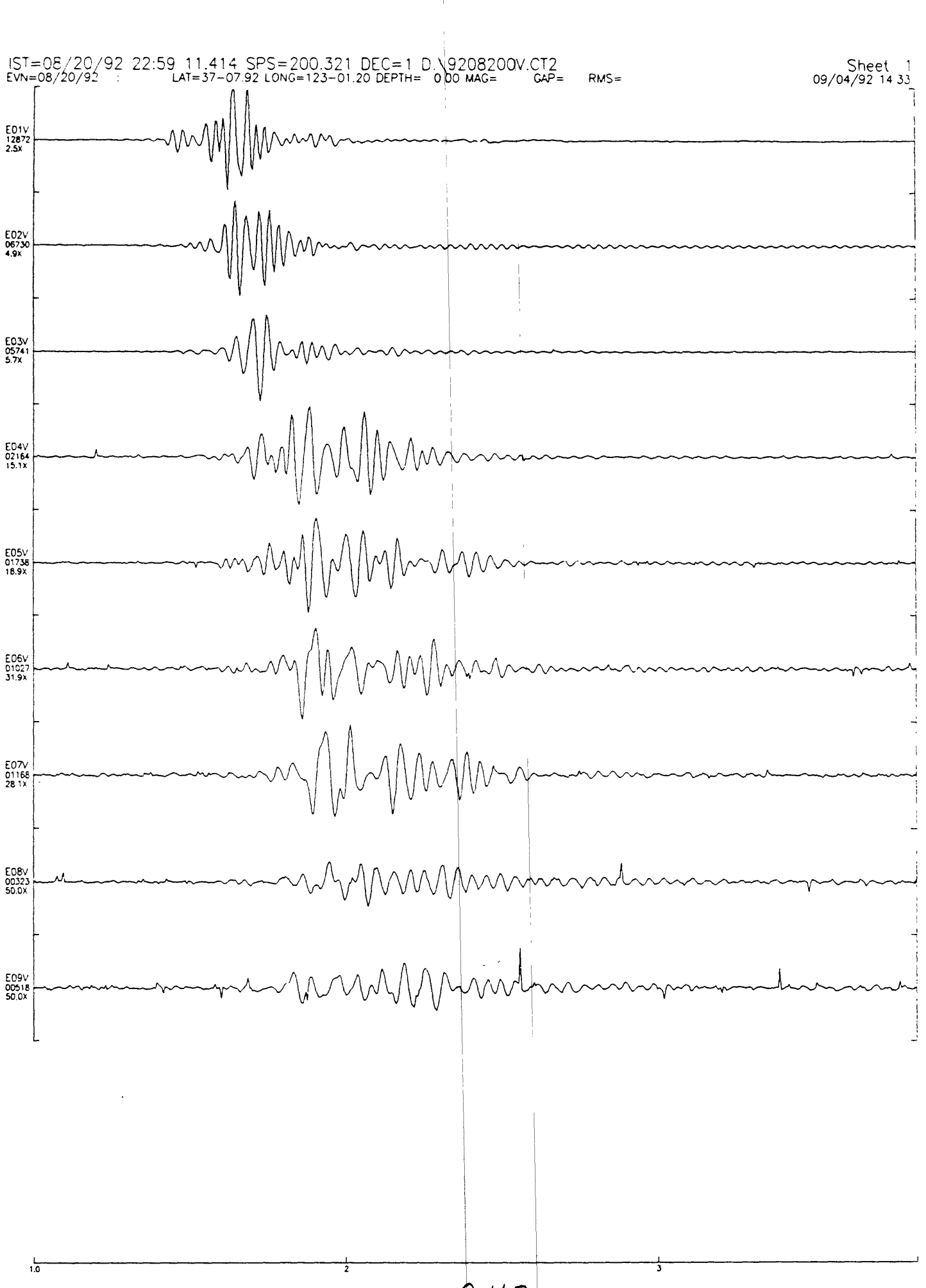
N12E 01313 25.0X
10
2
3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09/04/92 14 33
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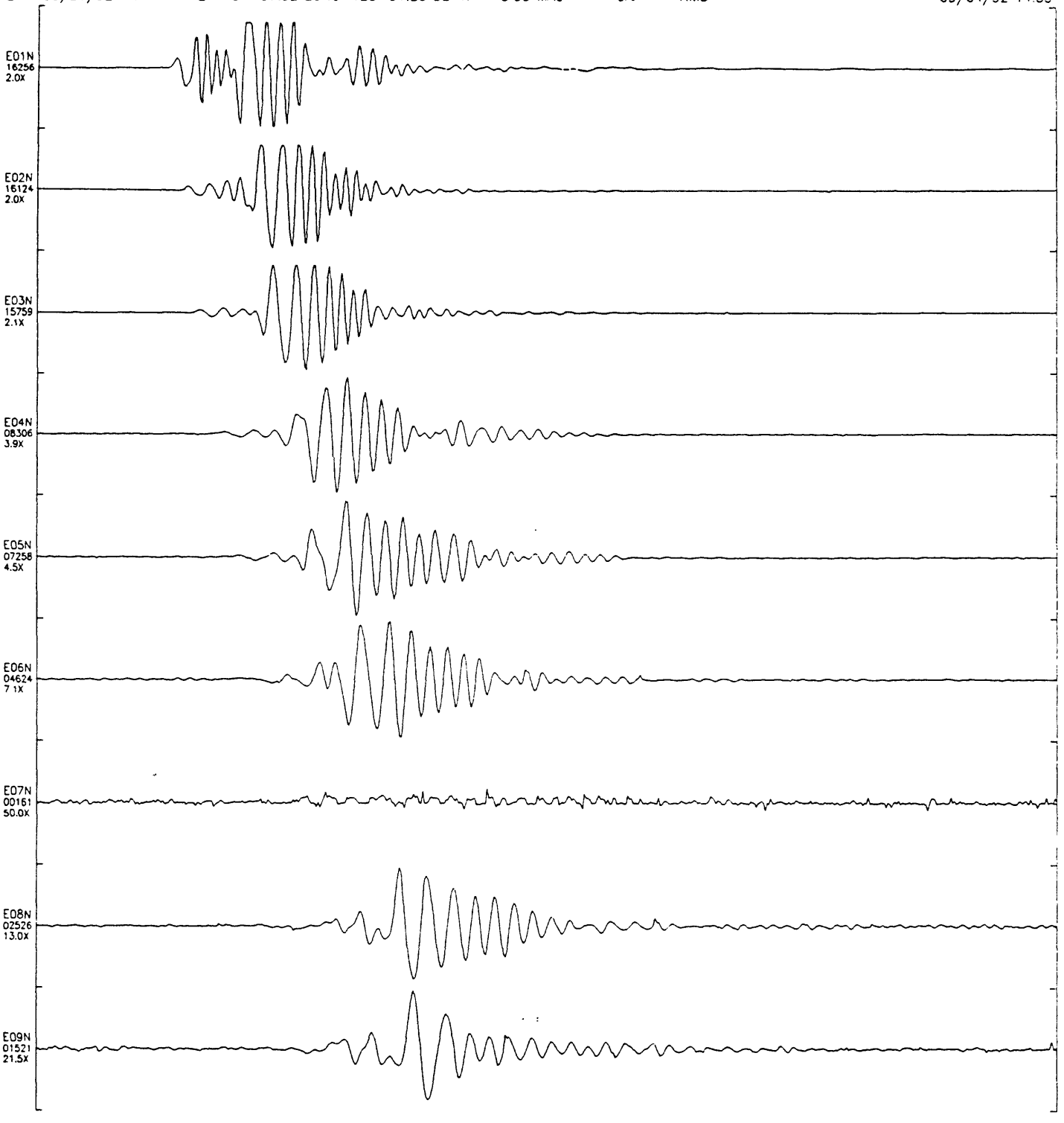
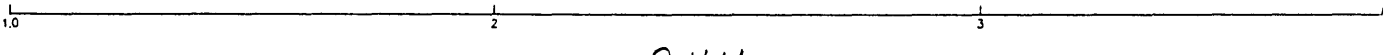
12872
2.5x
E02V
06730
4.9x
E03V
05741
5.7x
E04V
02164
15.1x
E05V
01738
18.9x
E06V
01027
31.9x
E07V
01168
28.1x
E08V
00323
50.0x
E09V
00518
50.0x
1.0
2
3

IST=08/20/92 22:59 11.414 SPS=200.321 DEC=1 D:\9208200V.CT2 Sheet 1
EVN=08/20/92 LAT=37-07.92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS= 09/04/92 14.35





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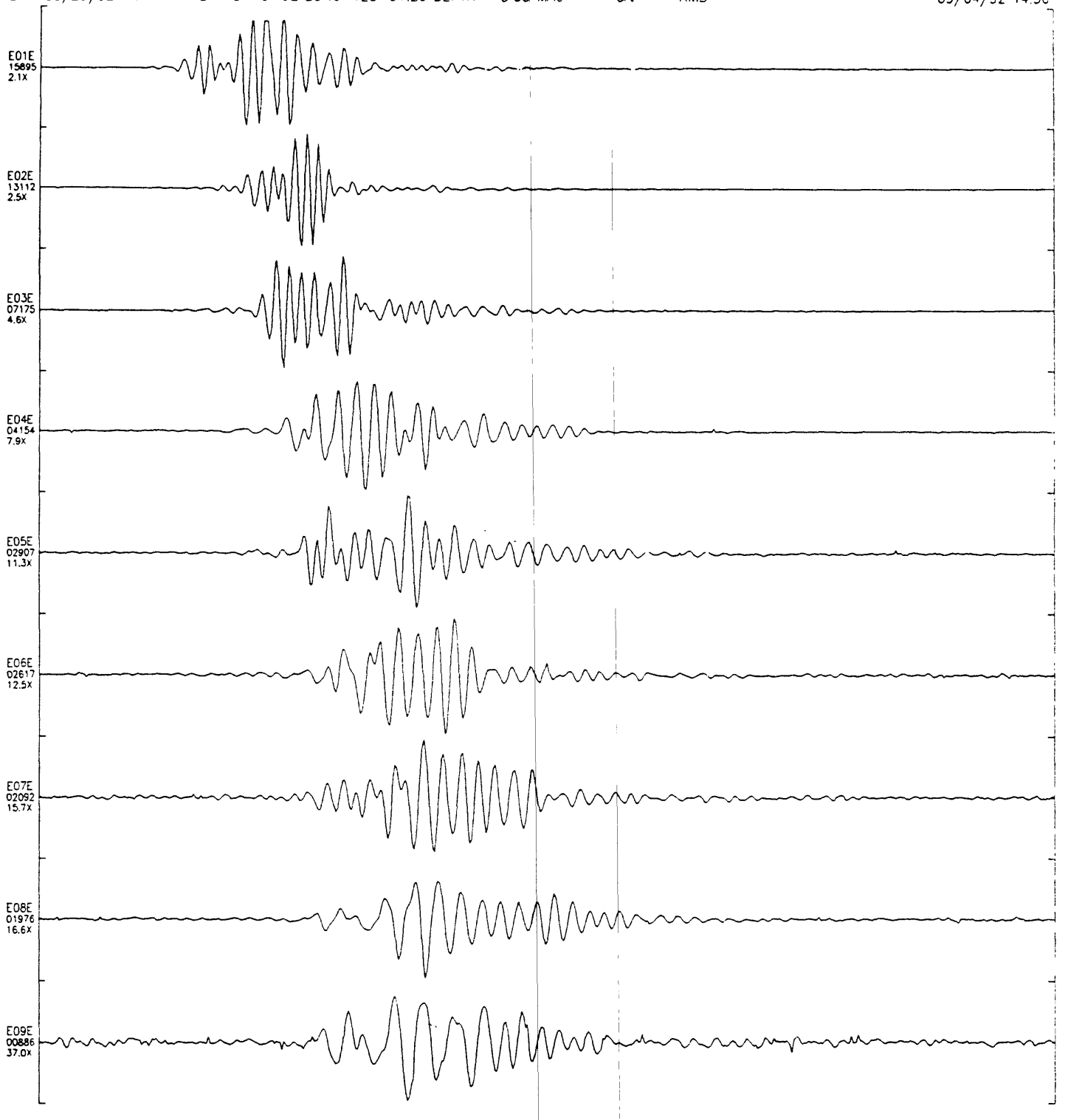

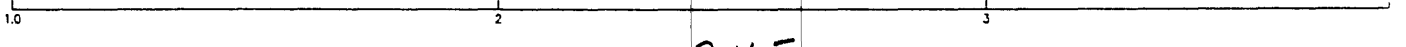

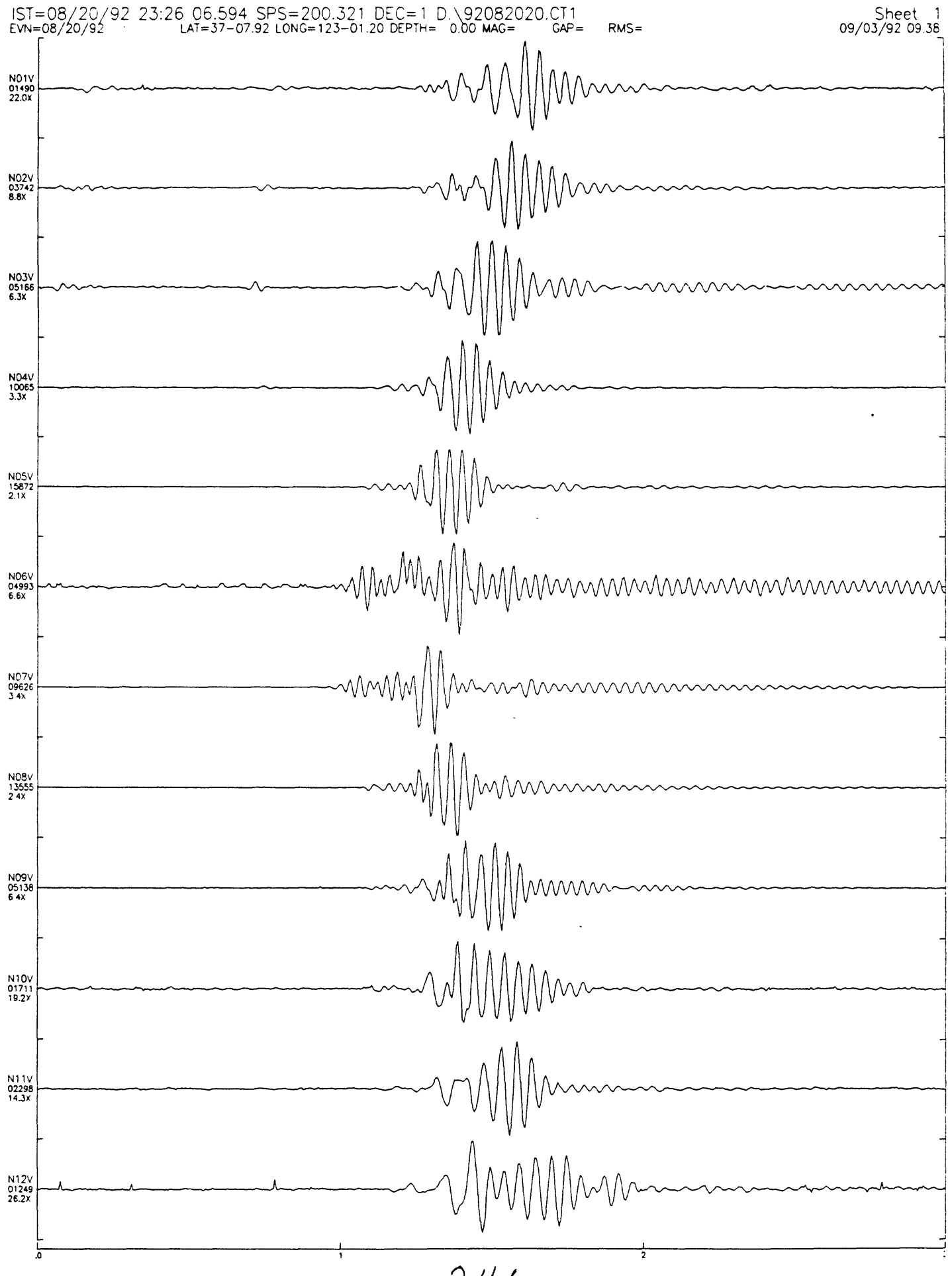
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N02V
03742
8.8X
N03V
05166
6.3X
N04V
10065
3.3X
N05V
15872
2.1X
N06V
04993
6.6X
N07V
09626
3.4X
N08V
13555
2.4X
N09V
05138
6.4X
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19.2X
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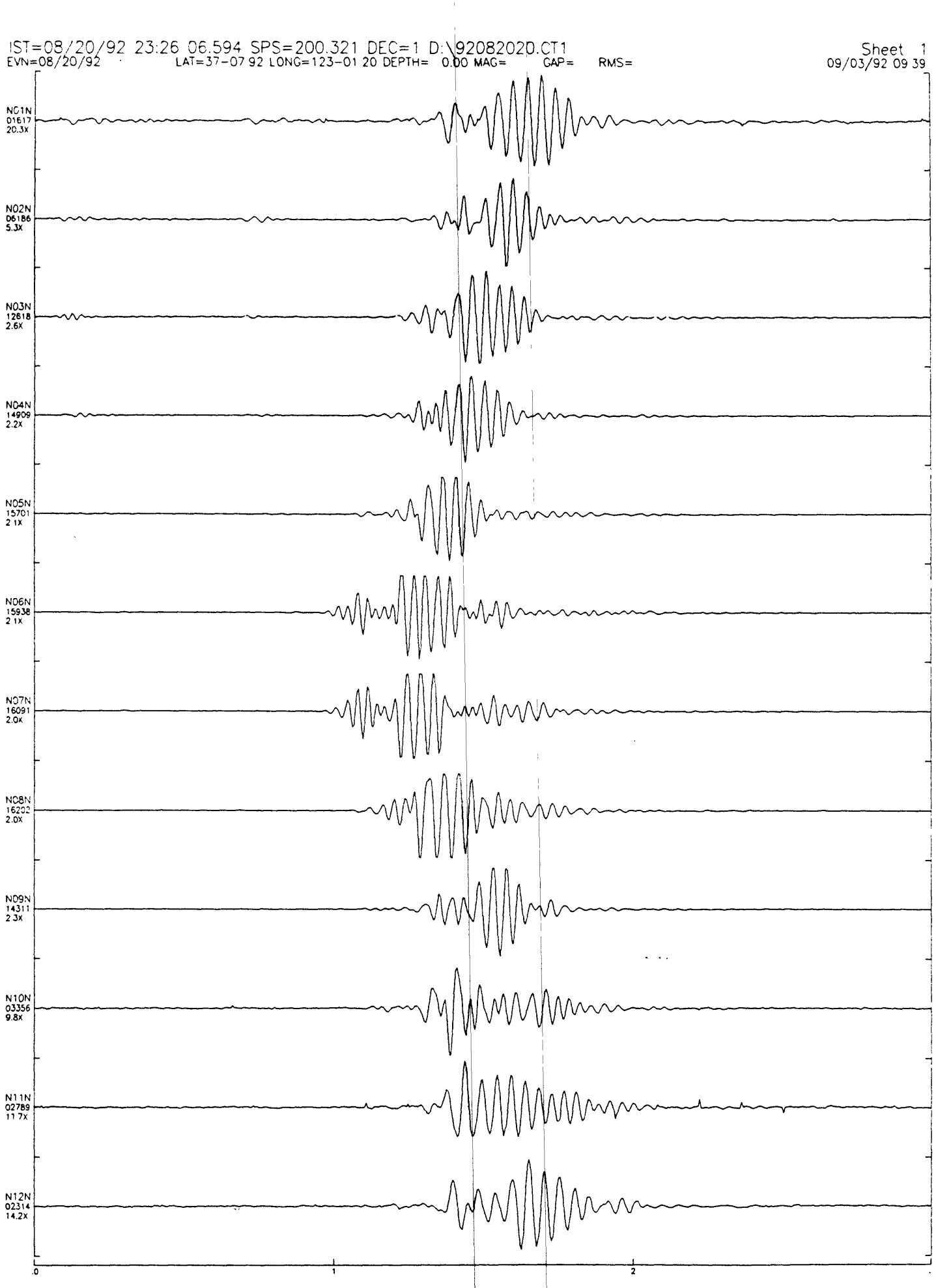
02298
14.3X
N12V
01249
26.2X
.0
1
2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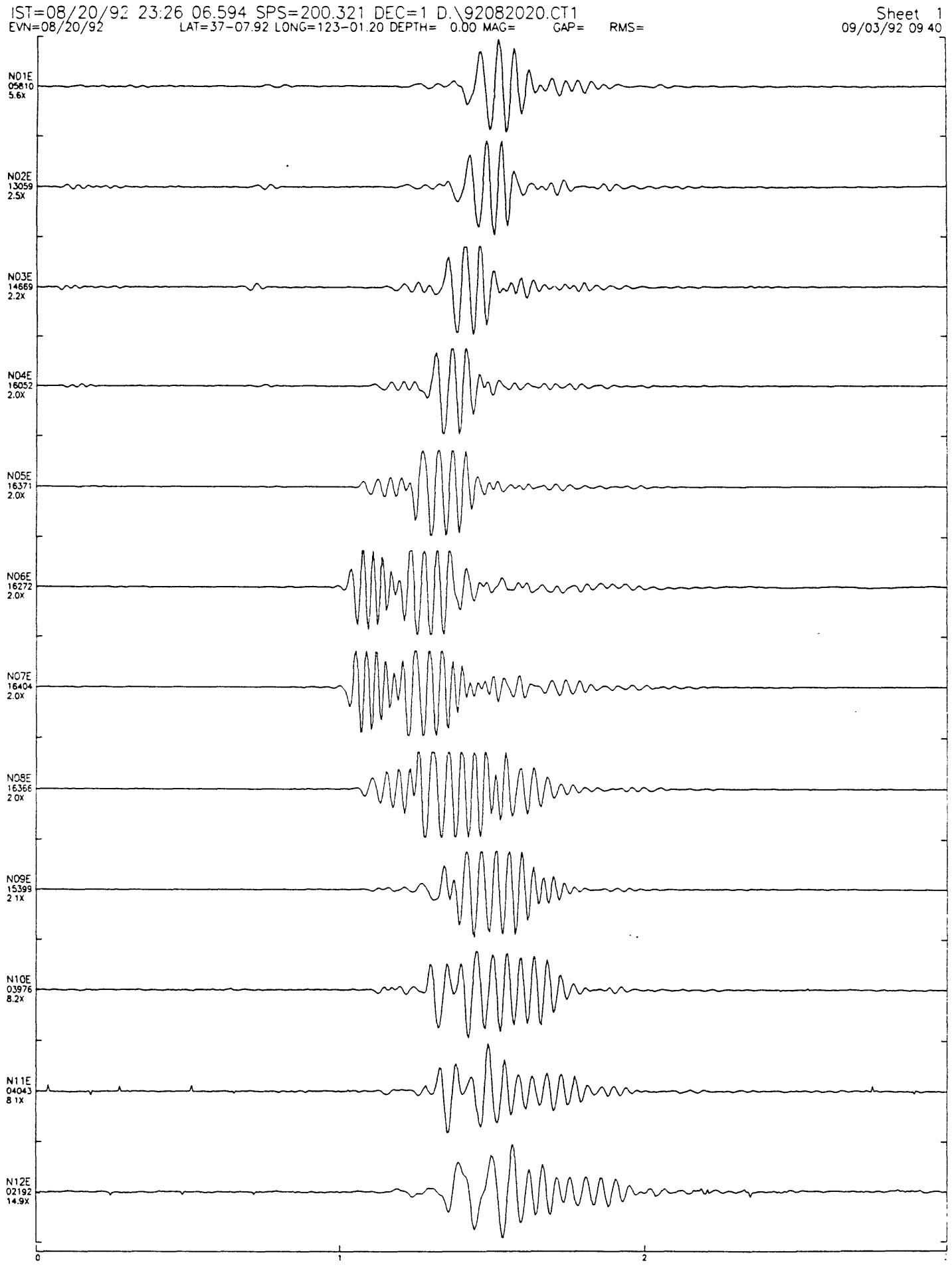
09/03/92 09 39
N01N
01617
20.3x
N02N
06186
5.3x
N03N
12618
2.6x
N04N
14909
2.2x
N05N
15701
2 1x
N06N
15938
2 1x
N07N
16091
2.0x
N08N
16202
2.0x
N09N
14311
2.3x
N10N
03356
9.8x
N11N
02789
11 7x
N12N
02314
14.2x
0
1
2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09/03/92 09 40
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05810
5.6x
N02E
13059
2.5X
N03E
14669
2.2X
N04E
16052
2.0X
N05E
16371
2.0X
N06E
16272
2.0X
N07E
16404
2.0X
N08E
16366
2.0X
N09E
15399
2.1X
N10E
03976
8.2X
N11E
04043
8.1X
N12E
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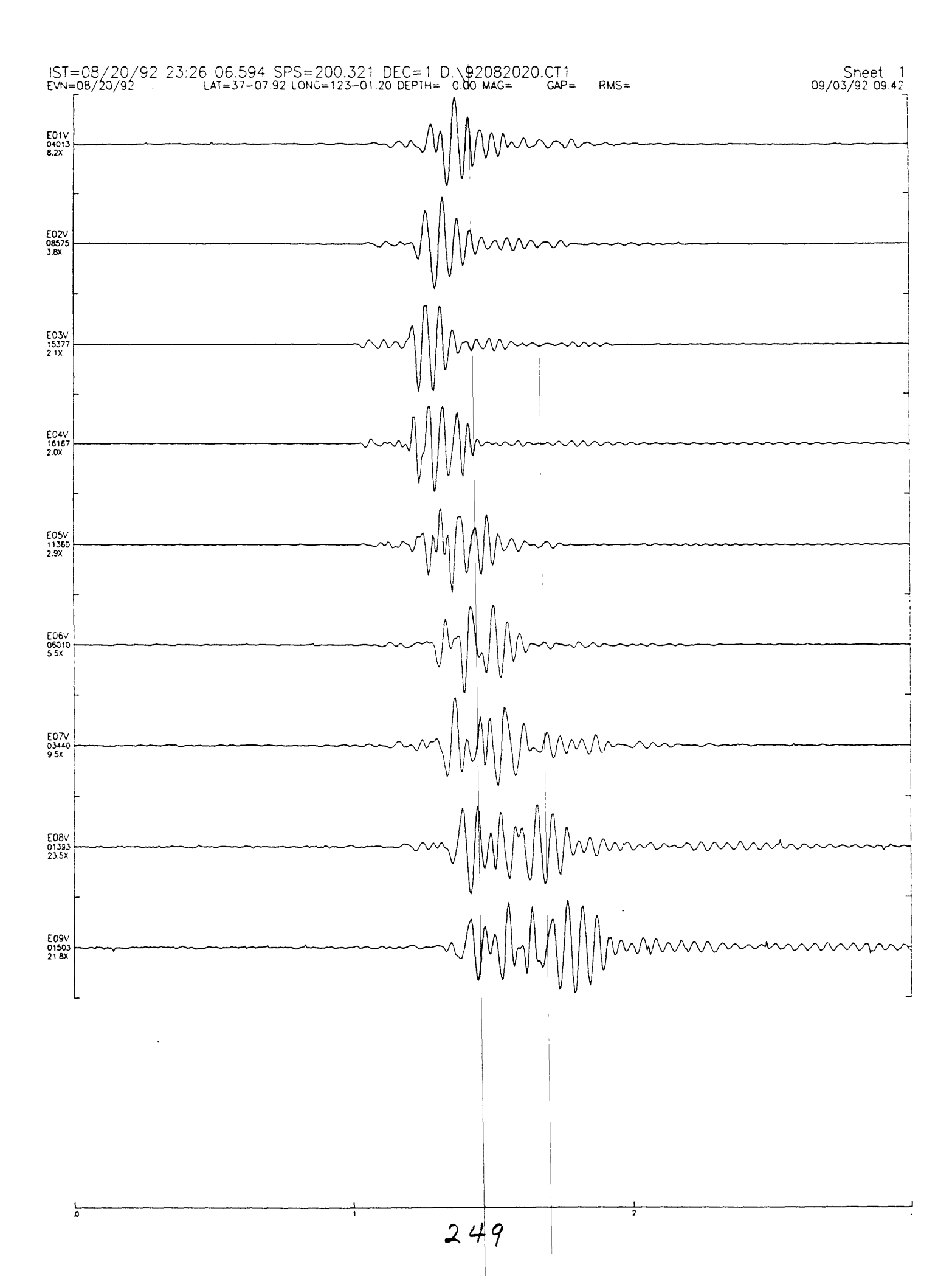
0
1
2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E02V
08575
3.8x
E03V
15377
2.1x
E04V
16167
2.0x
E05V
11360
2.9x
E06V
06010
5.5x
E07V
03440
9.5x
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01393
23.5x
E09V
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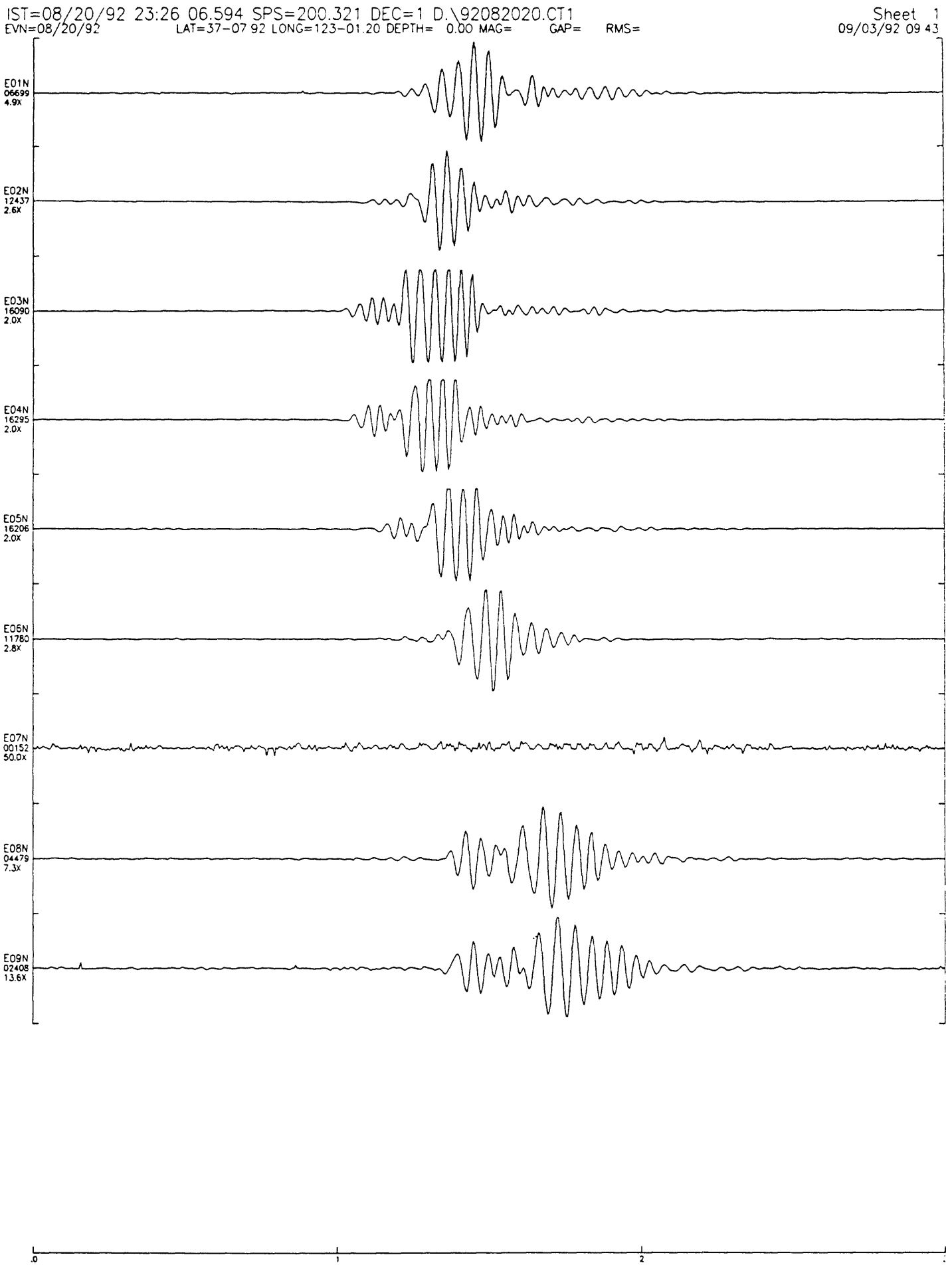
21.8x
0
1
2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09/03/92 09 43
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06699
4.9X
E02N
12437
2.6X
E03N
16090
2.0X
E04N
16295
2.0X
E05N
16206
2.0X
E06N
11780
2.8X
E07N
00152
50.0X
E08N
04479
7.3X
E09N
02408
13.6X
.0
1
2

IST=08/20/92 23.26 06.594 SPS=200.321 DEC=1 D:\92082020.CT1
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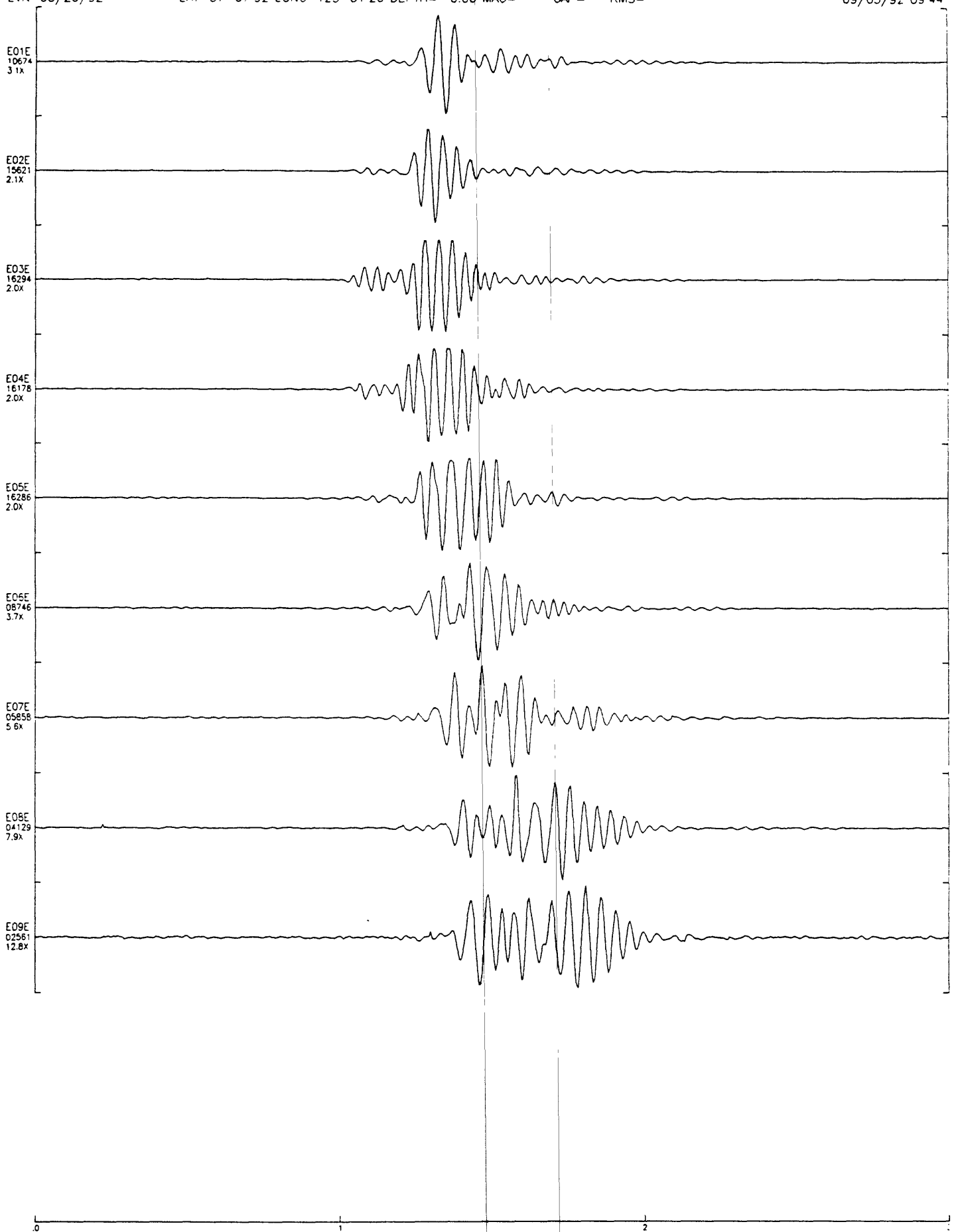
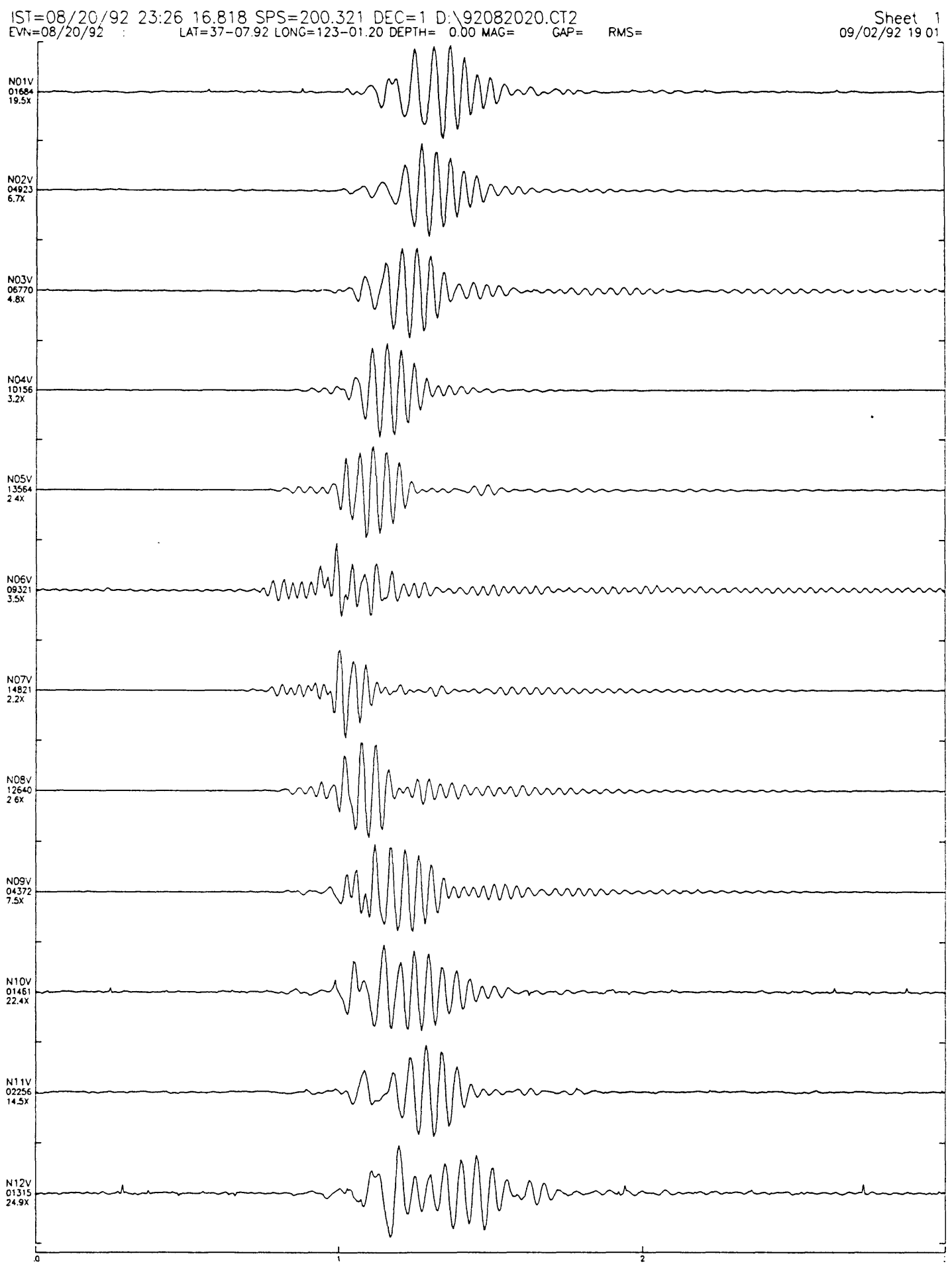
09/03/92 09 44

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01684
19.5X
N02V
04923
6.7X
N03V
06770
4.8X
N04V
10156
3.2X
N05V
13564
2.4X
N06V
09321
3.5X
N07V
14821
2.2X
N08V
12640
2.6X
N09V
04372
7.5X
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01461
22.4X
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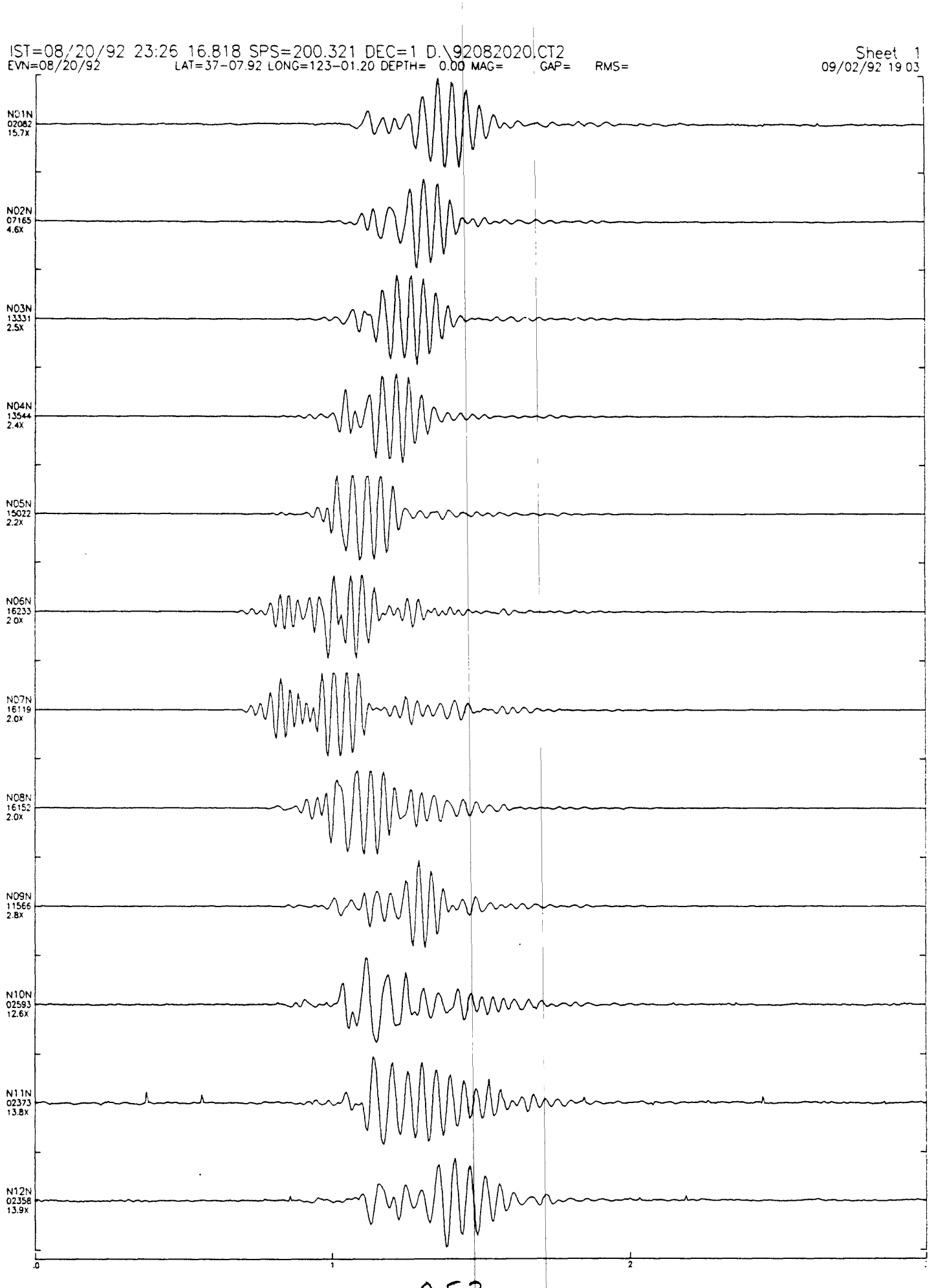
02256
14.5X
N12V
01315
24.9X
0
1
2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02082
15.7x
N02N
07165
4.6x
N03N
13331
2.5x
N04N
13544
2.4x
N05N
15022
2.2x
N06N
16233
2.0x
N07N
16119
2.0x
N08N
16152
2.0x
N09N
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N12N
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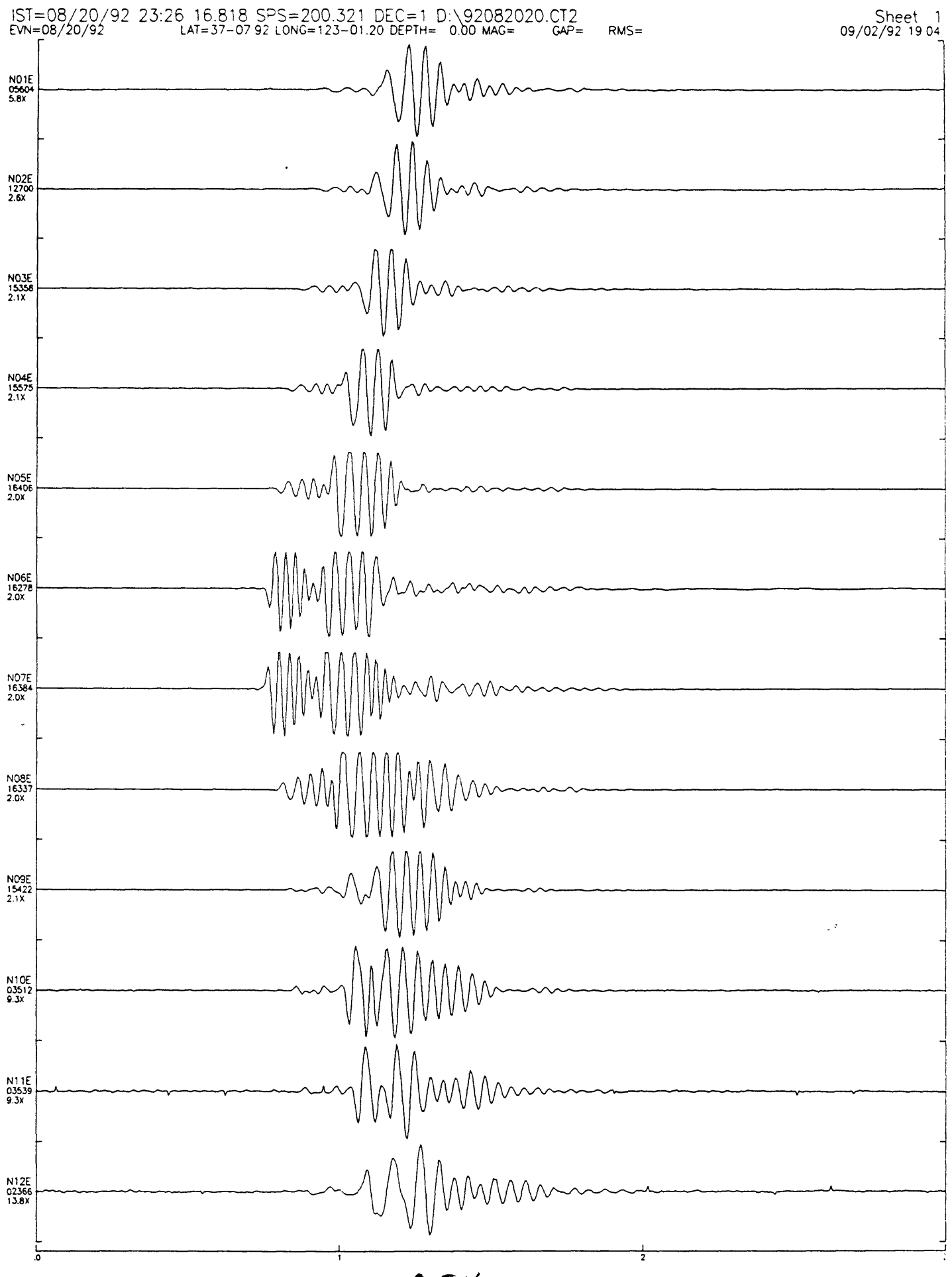
13.9x
.0
1
2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Sheet 1
09/02/92 19 04
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5.8X
N02E
12700
2.6X
N03E
15358
2.1X
N04E
15575
2.1X
N05E
16406
2.0X
N06E
16278
2.0X
N07E
16384
2.0X
N08E
16337
2.0X
N09E
15422
2.1X
N10E
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9.3X
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9.3X
N12E
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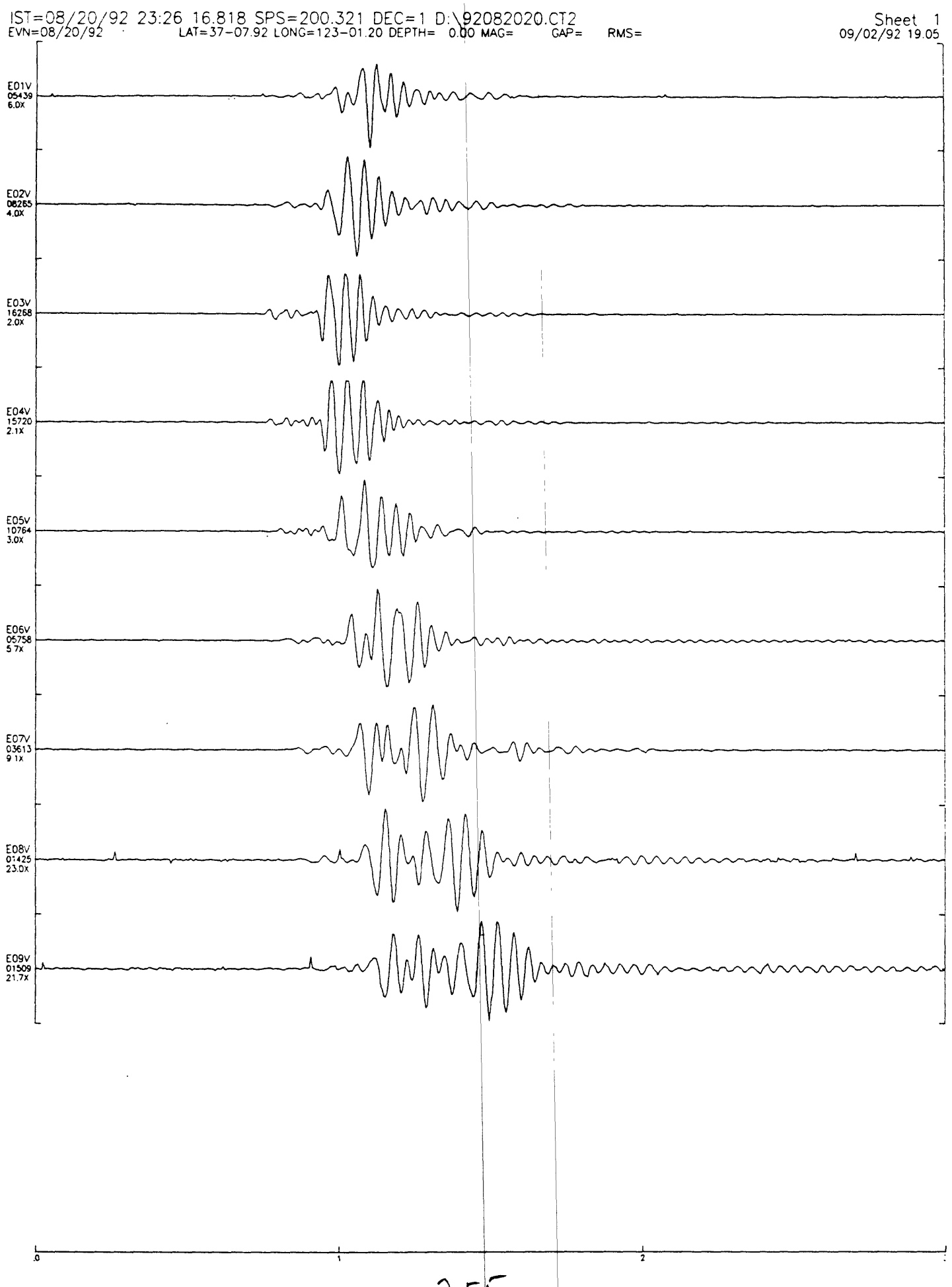
13.8X
.0
1
2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E01V
05439
6.0X
E02V
08265
4.0X
E03V
16268
2.0X
E04V
15720
2.1X
E05V
10764
3.0X
E06V
05758
5.7X
E07V
03613
9.1X
E08V
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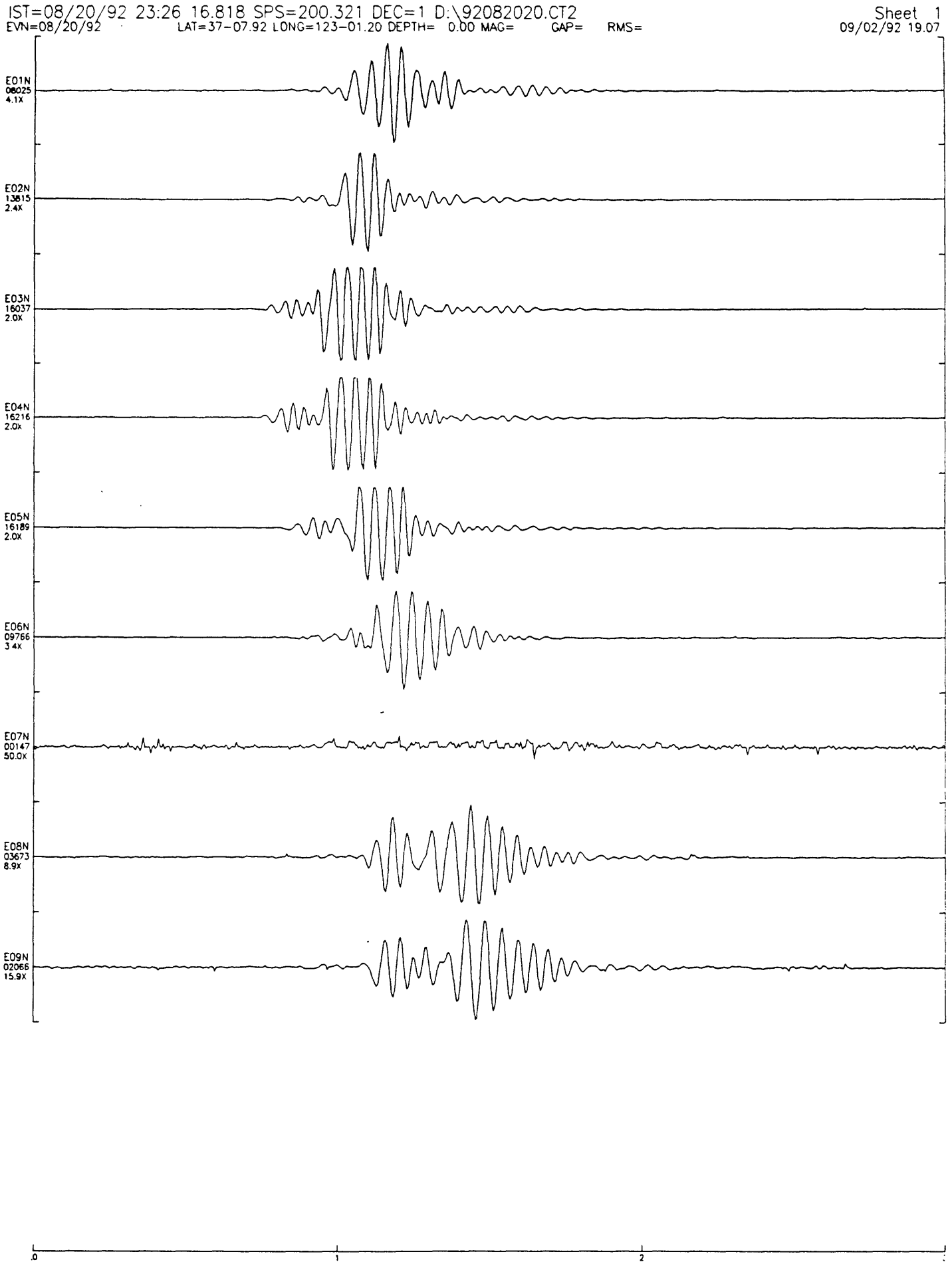
21.7X
.0
1
2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Sheet 1
09/02/92 19.07
E01N
08025
4.1X
E02N
13815
2.4X
E03N
16037
2.0X
E04N
16216
2.0X
E05N
16189
2.0X
E06N
09766
3.4X
E07N
00147
50.0X
E08N
03673
8.9X
E09N
02066
15.9X
.0
1
2

IST=08/20/92 23:26 16.818 SPS=200.321 DEC=1 D:\92082020.CT2
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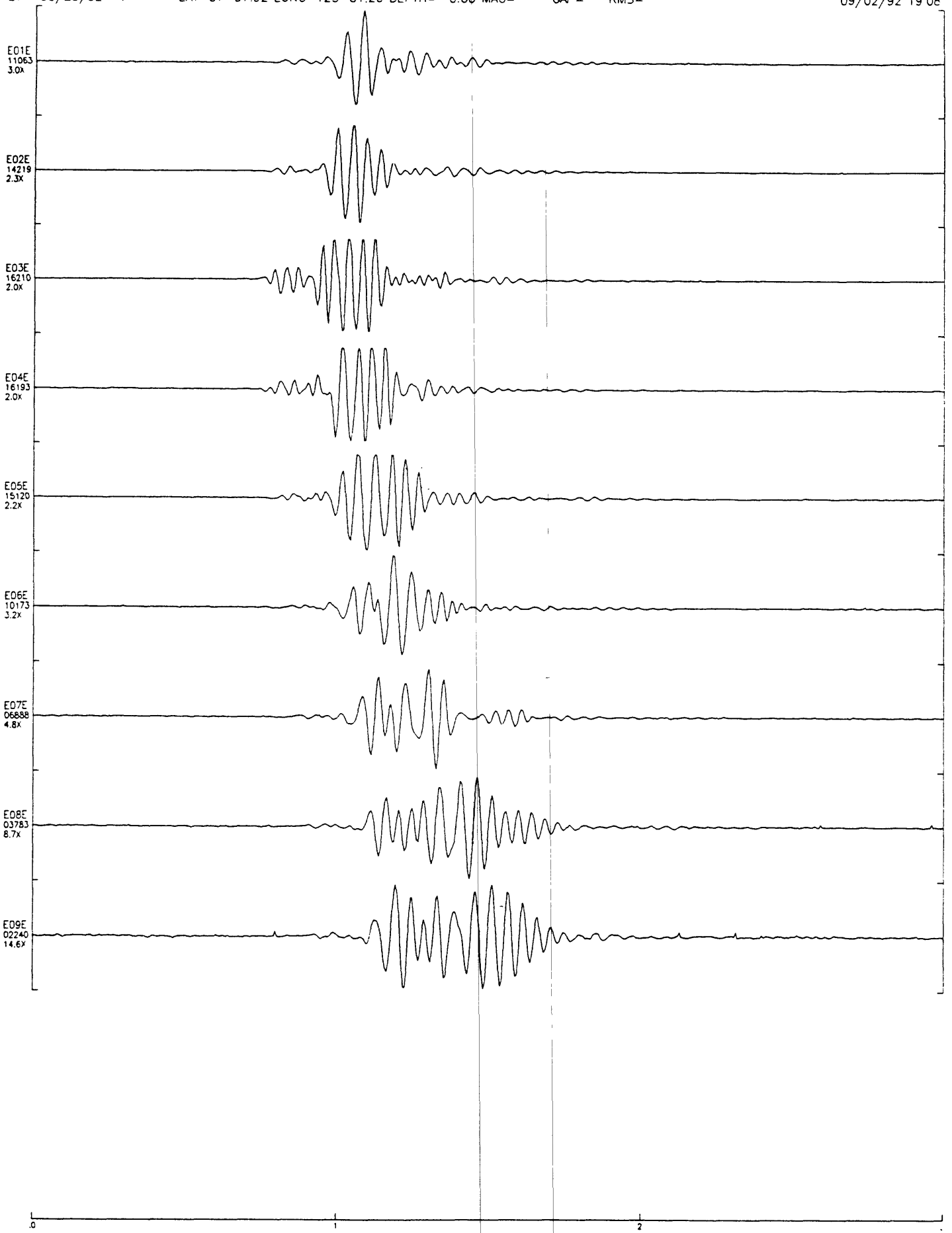
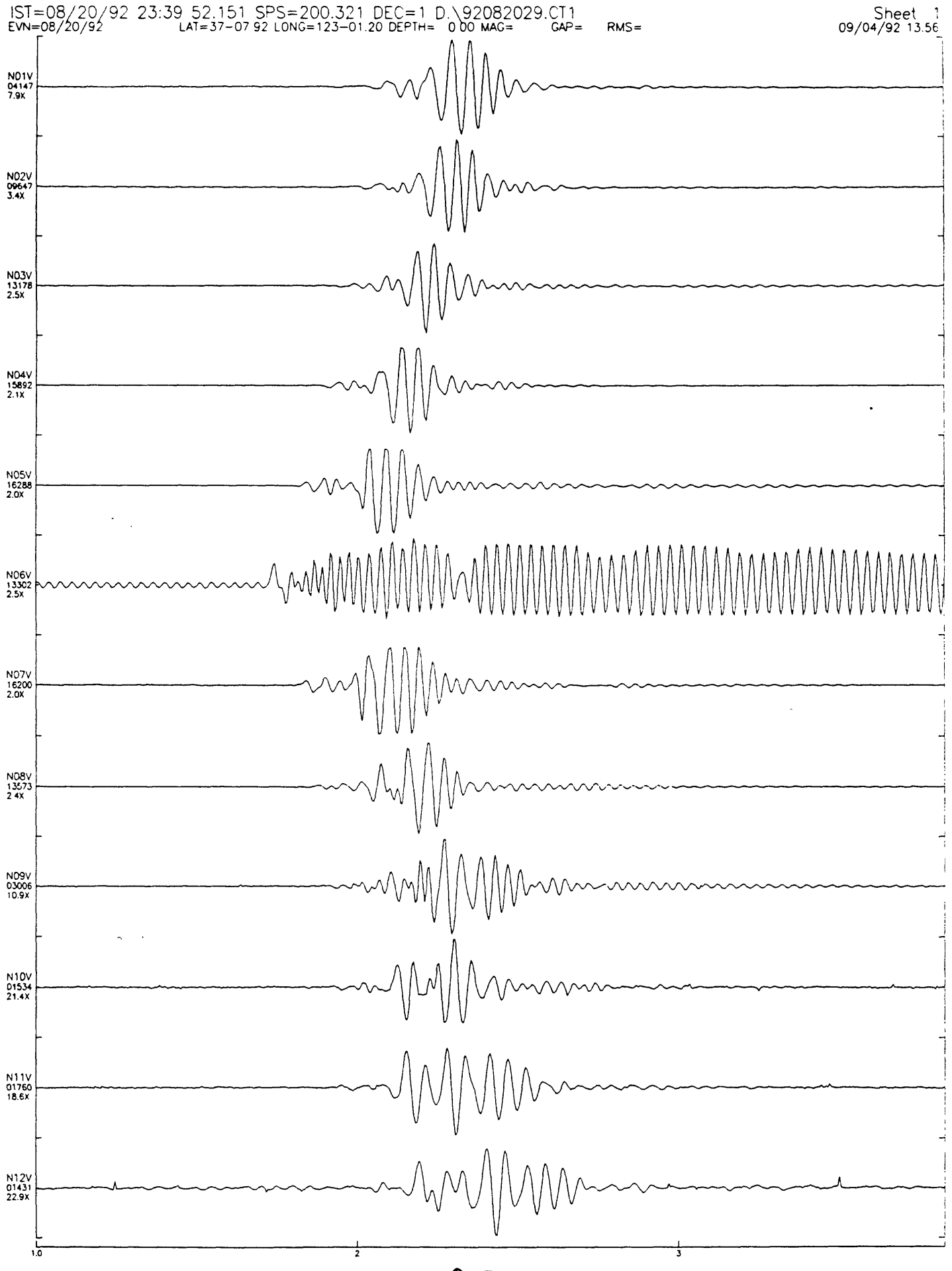
09/02/92 19 08

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7.9X
N02V
09647
3.4X
N03V
13178
2.5X
N04V
15892
2.1X
N05V
16288
2.0X
N06V
13302
2.5X
N07V
16200
2.0X
N08V
13573
2.4X
N09V
03006
10.9X
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01534
21.4X
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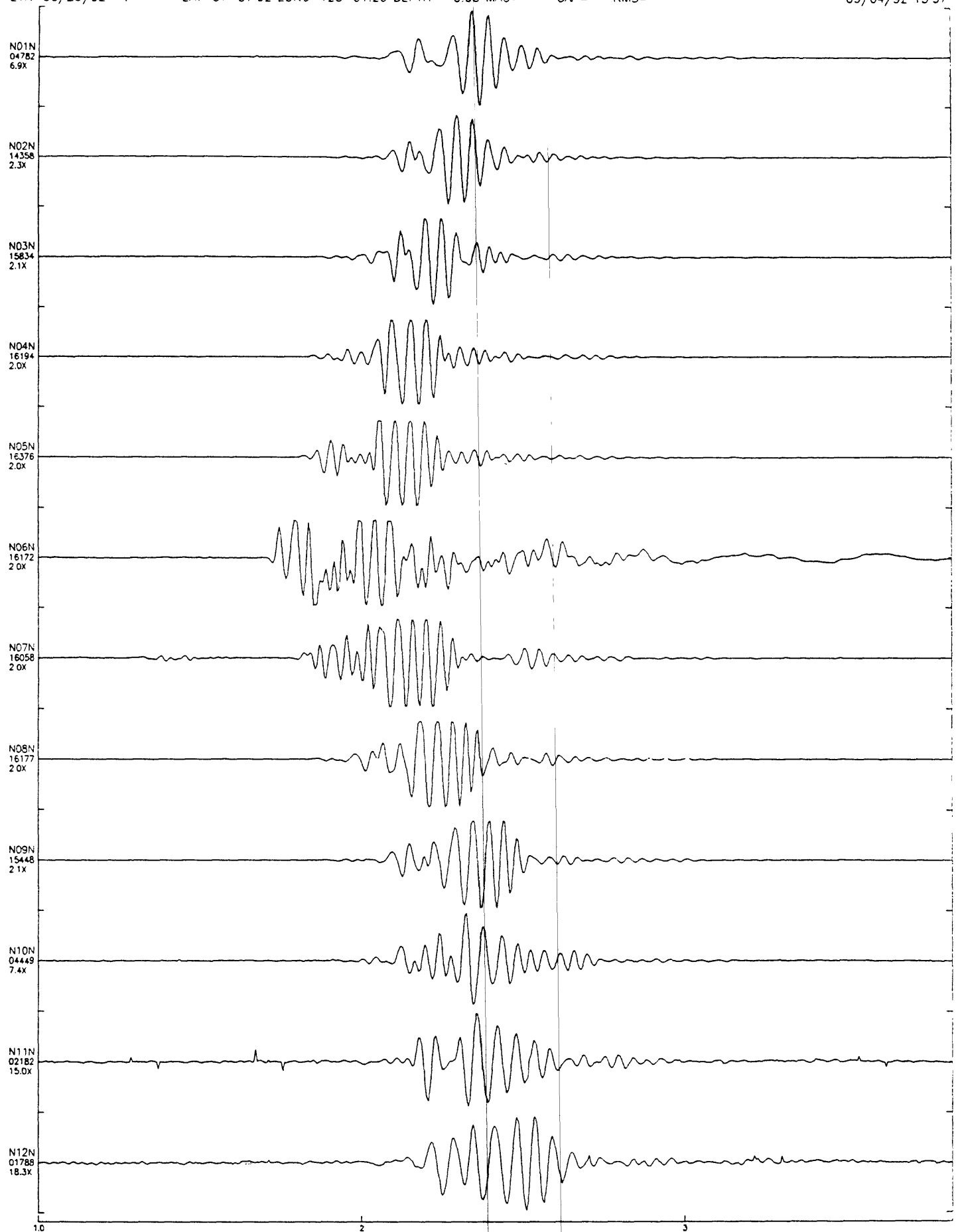
01431
22.9X
1.0
2
3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09/04/92 13 57
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04782
6.9X
N02N
14358
2.3X
N03N
15834
2.1X
N04N
16194
2.0X
N05N
16376
2.0X
N06N
16172
2 0X
N07N
16058
2 0X
N08N
16177
2 0X
N09N
15448
2 1X
N10N
04449
7.4X
N11N
02182
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01788
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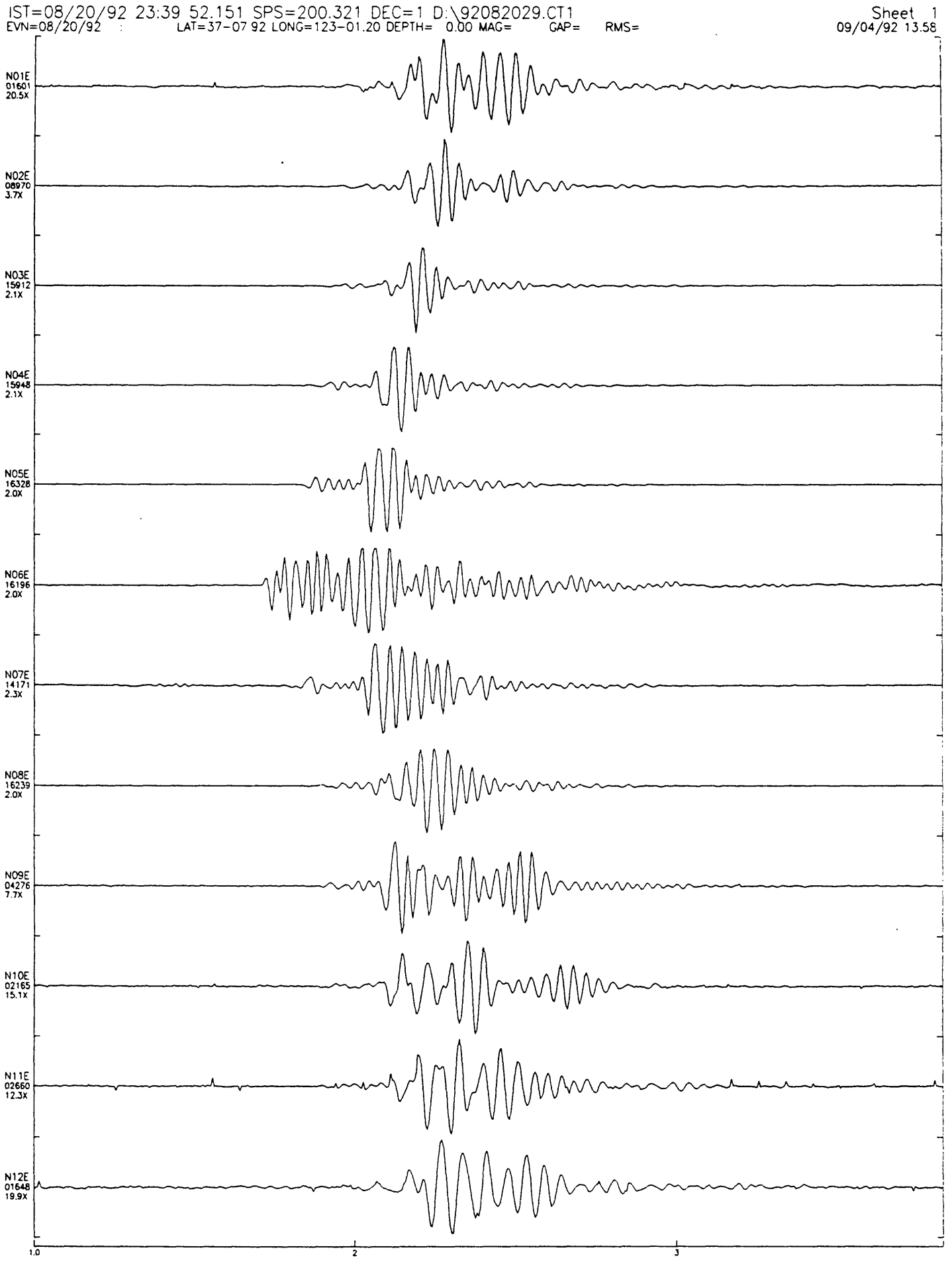
1.0
2
3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LAT=37-07 92 LONG=123-01.20 DEPTH= 0.00 MAG= GAP= RMS=
Sheet 1
09/04/92 13.58
N01E
01601
20.5X
N02E
08970
3.7X
N03E
15912
2.1X
N04E
15948
2.1X
N05E
16328
2.0X
N06E
16196
2.0X
N07E
14171
2.3X
N08E
16239
2.0X
N09E
04276
7.7X
N10E
02165
15.1X
N11E
02660
12.3X
N12E
01648
19.9X
1.0
2
3

IST=08/20/92 23:39 52.151 SPS=200.321 DEC=1 D:\92082029.CT1 Sheet 1
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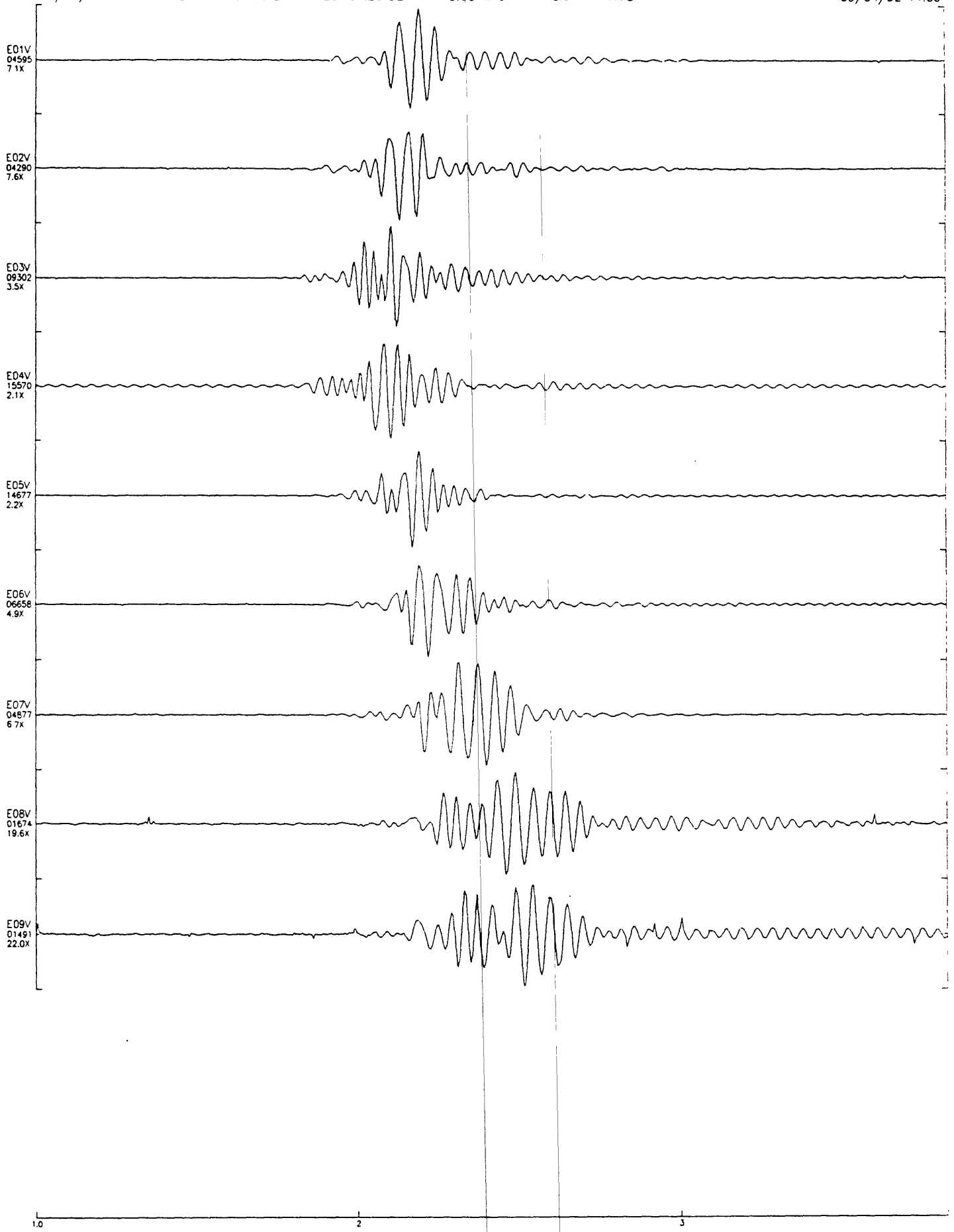

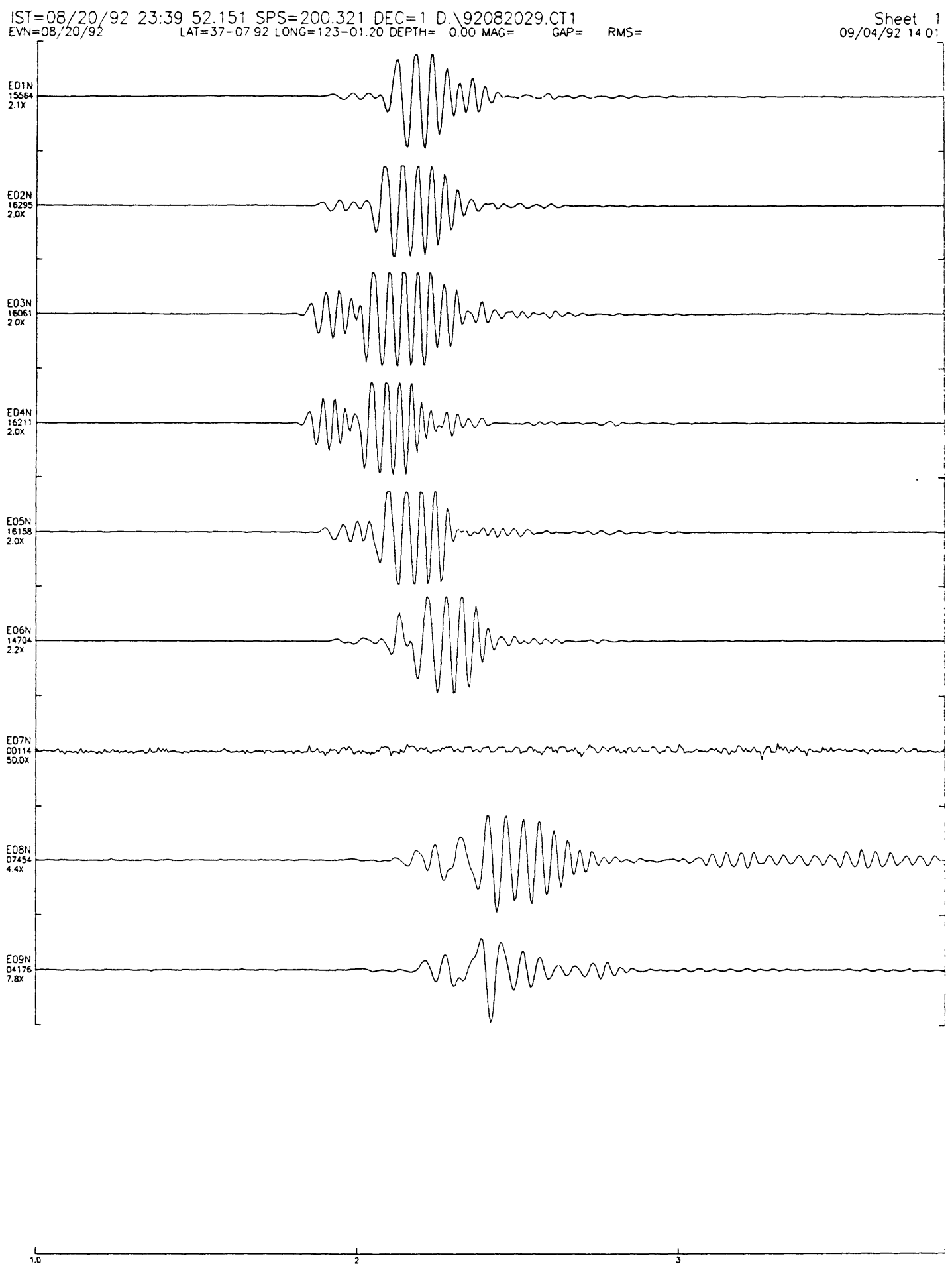
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09/04/92 14 0
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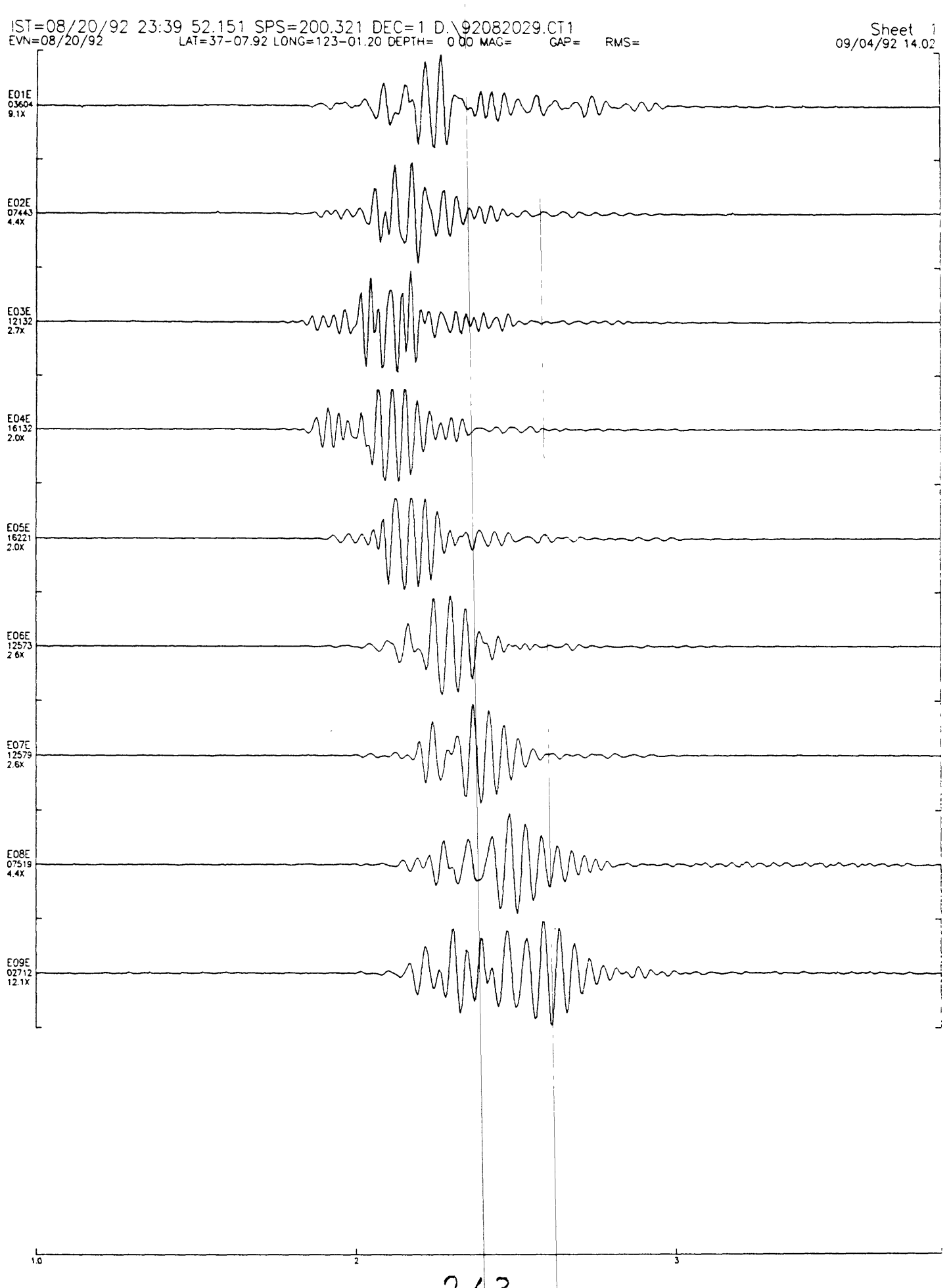
15564
2.1X
E02N
16295
2.0X
E03N
16061
2.0X
E04N
16211
2.0X
E05N
16158
2.0X
E06N
14704
2.2X
E07N
00114
50.0X
E08N
07454
4.4X
E09N
04176
7.8X
1.0
2
3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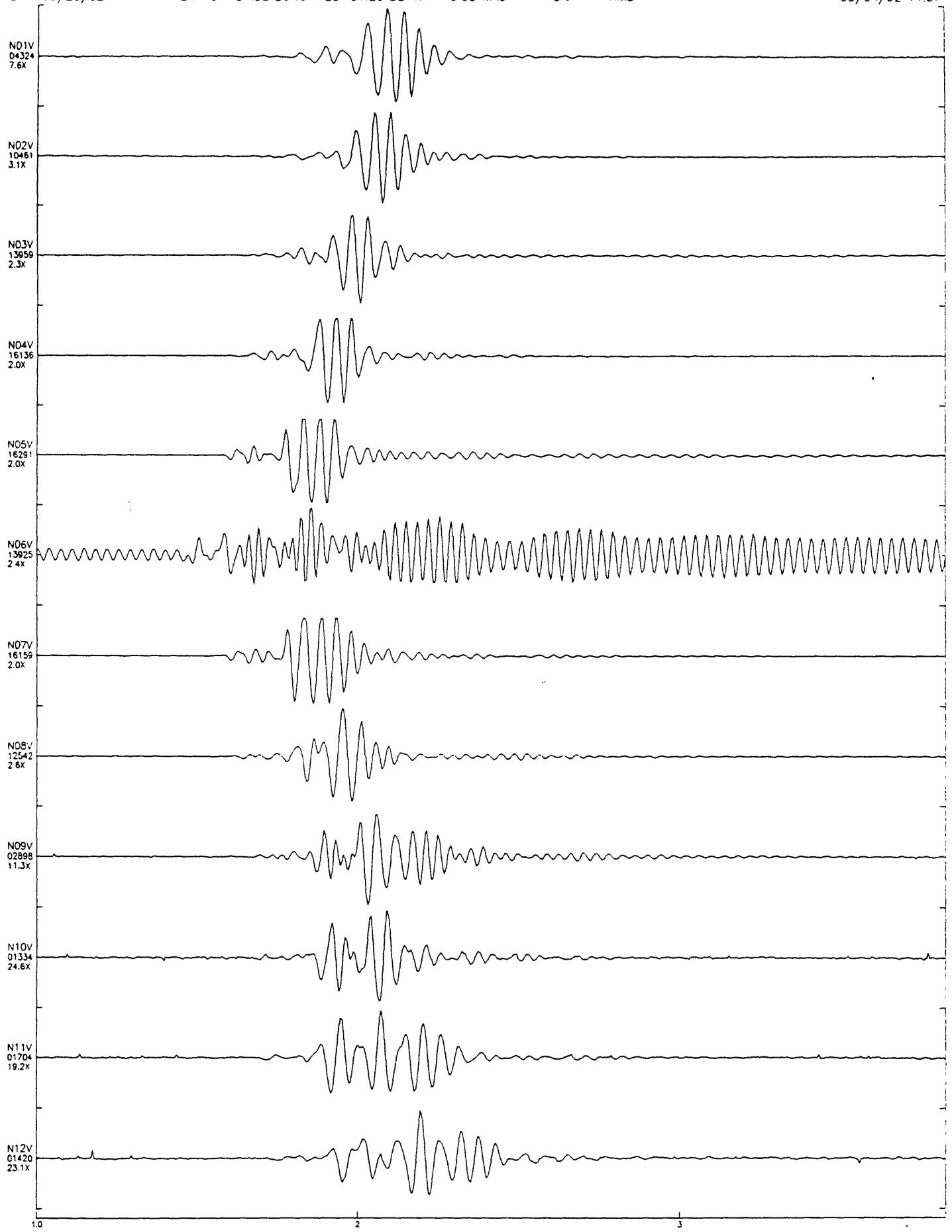
Sheet 1
09/04/92 14.02
E01E
03604
9.1X
E02E
07443
4.4X
E03E
12132
2.7X
E04E
16132
2.0X
E05E
16221
2.0X
E06E
12573
2.6X
E07E
12579
2.6X
E08E
07519
4.4X
E09E
02712
12.1X
1.0
2
3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09/04/92 14:37
N01V 04324 7.6X
N02V 10461 3.1X
N03V 13959 2.3X
N04V 16136 2.0X
N05V 16291 2.0X
N06V 13925 2.4X
N07V 16159 2.0X
N08V 12542 2.6X
N09V 02898 11.3X
N10V 01334 24.6X
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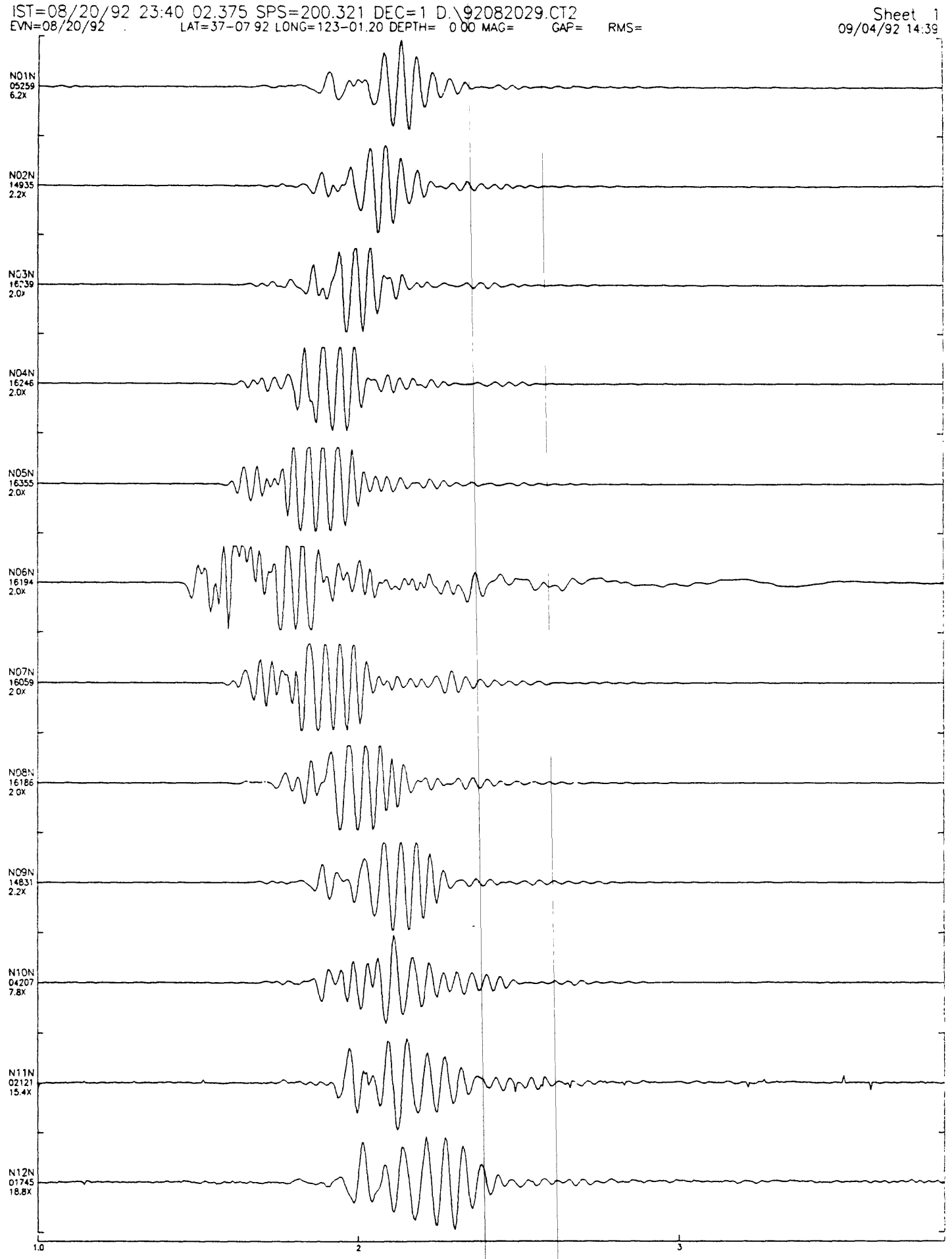
N12V 01420 23.1X
1.0
2
3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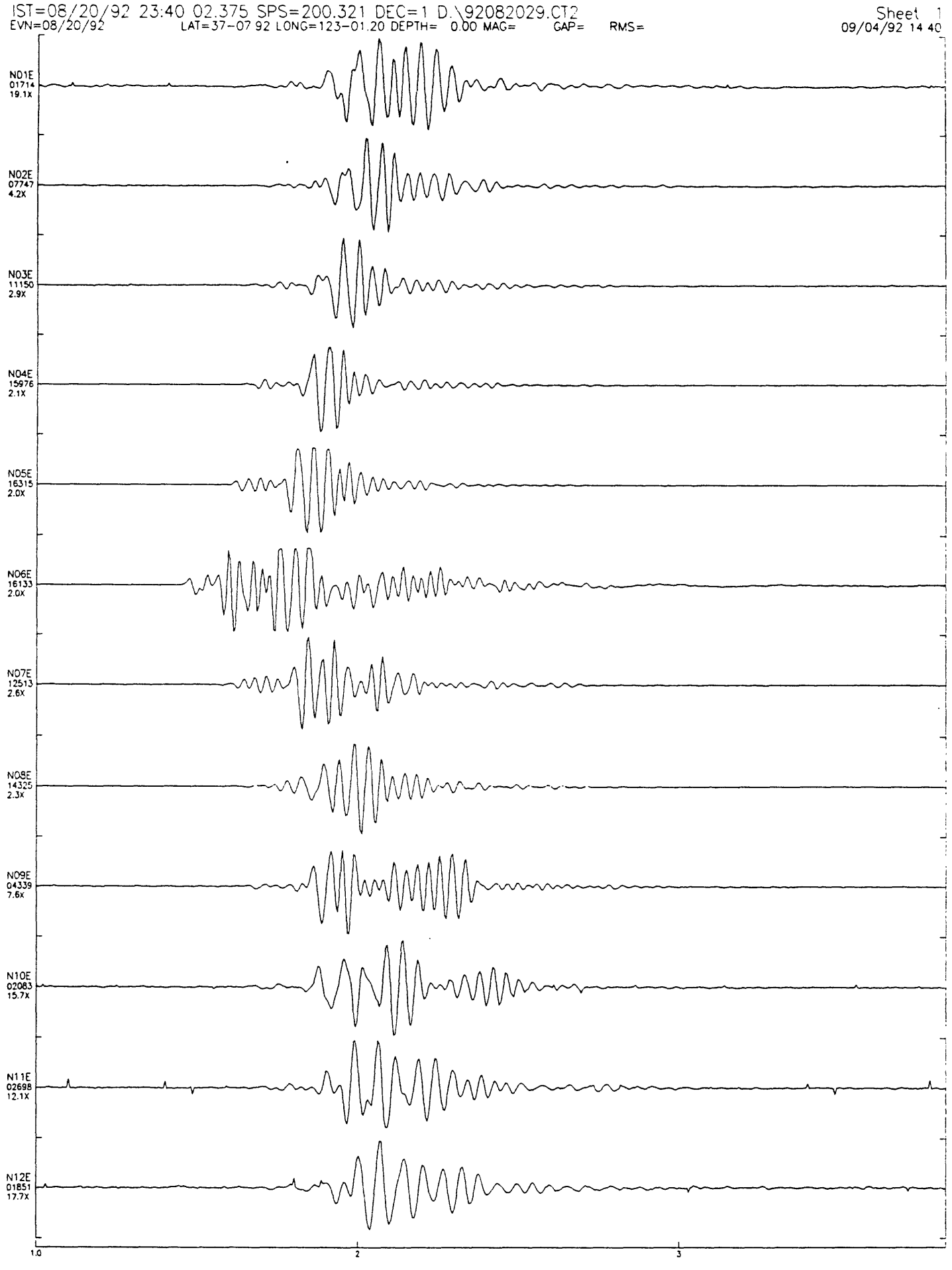
Sheet 1
09/04/92 14:39
N01N
05259
6.2x
N02N
14935
2.2x
N03N
16239
2.0x
N04N
16246
2.0x
N05N
16355
2.0x
N06N
16194
2.0x
N07N
16059
2.0x
N08N
16186
2.0x
N09N
14831
2.2x
N10N
04207
7.8x
N11N
02121
15.4x
N12N
01745
18.8x
1.0
2
3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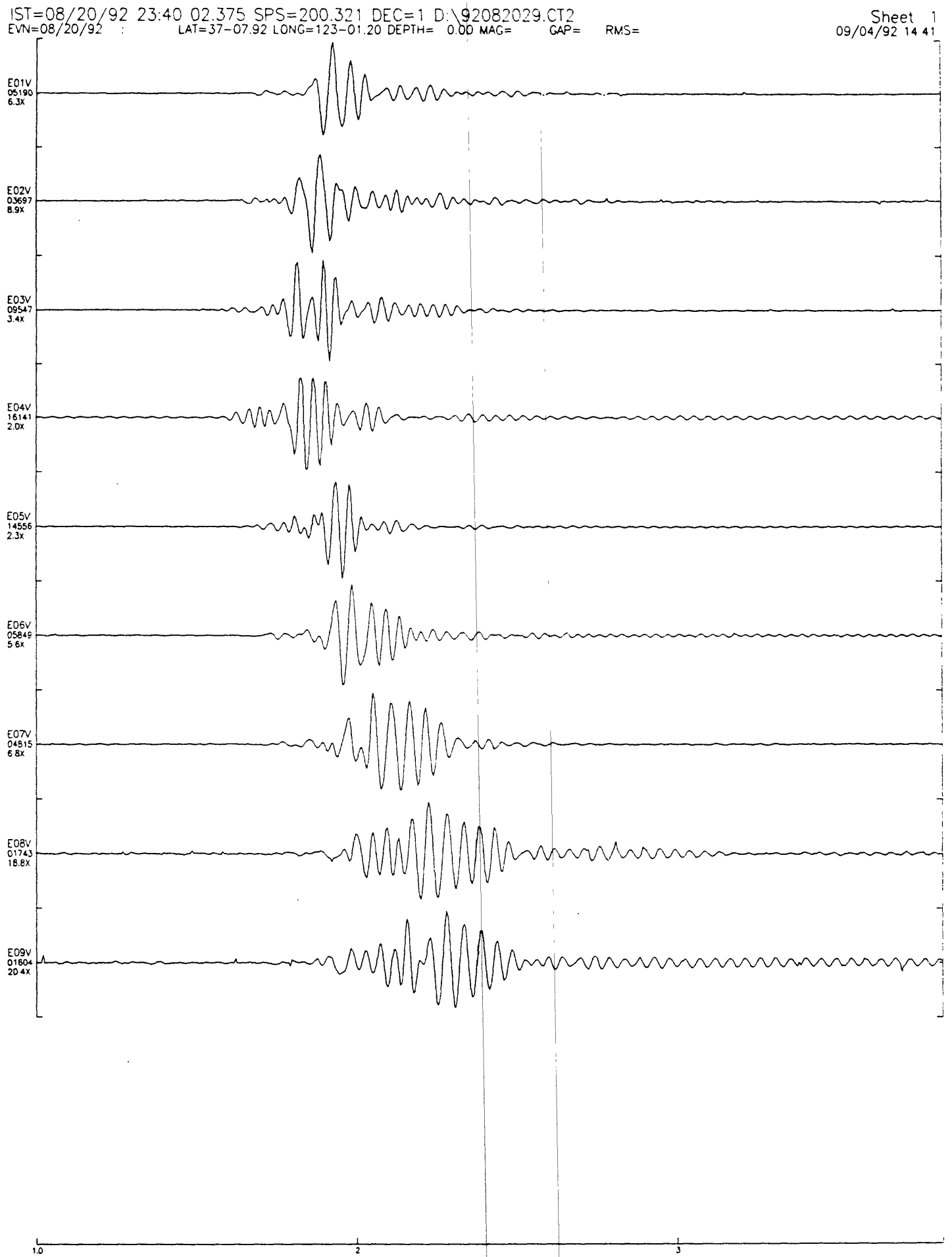
Sheet 1
09/04/92 14 40
N01E
01714
19.1x
N02E
07747
4.2x
N03E
11150
2.9x
N04E
15976
2.1x
N05E
16315
2.0x
N06E
16133
2.0x
N07E
12513
2.6x
N08E
14325
2.3x
N09E
04339
7.6x
N10E
02083
15.7x
N11E
02698
12.1x
N12E
01851
17.7x
1.0
2
3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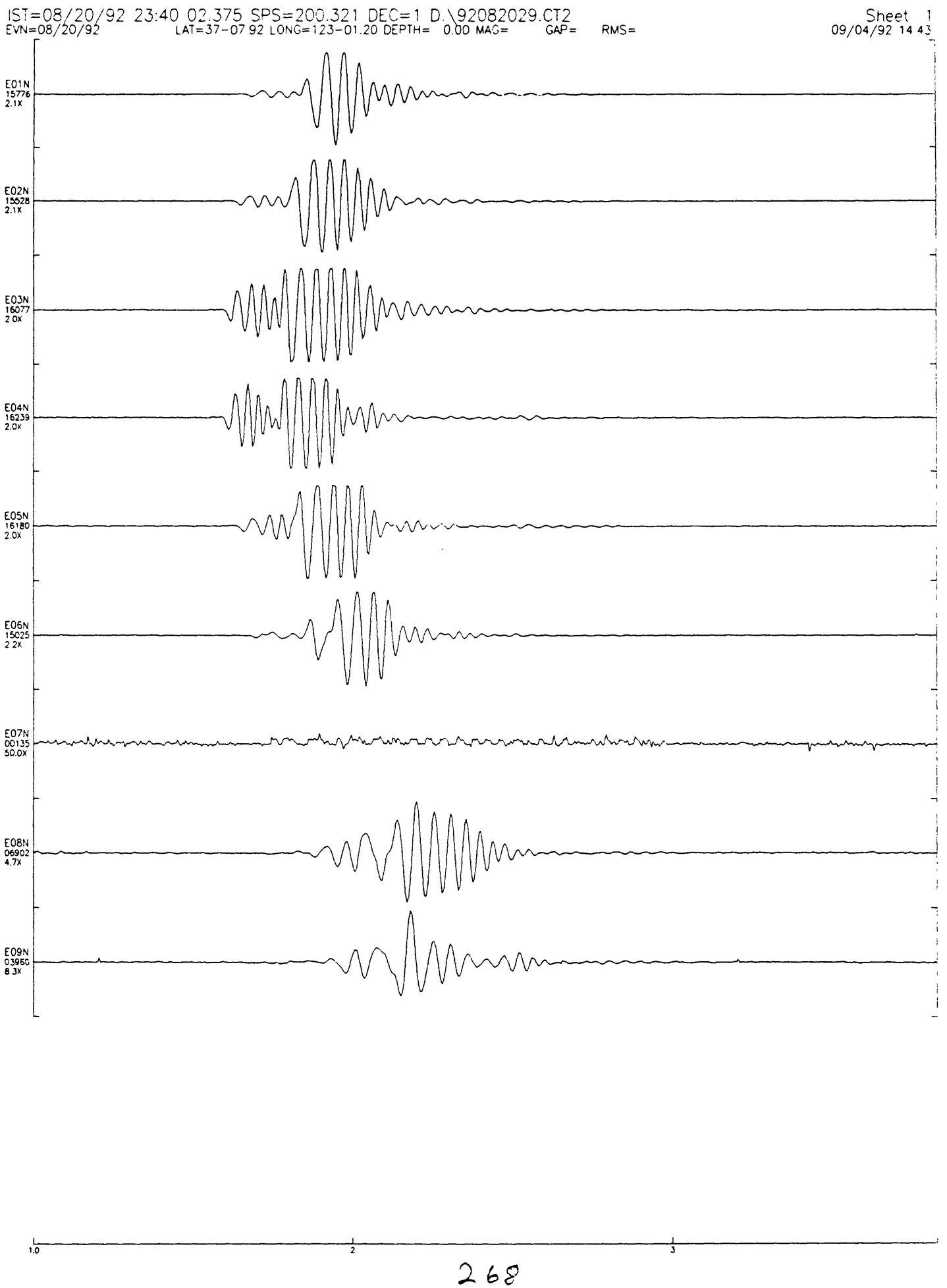
Sheet 1
09/04/92 14 41
E01V
05190
6.3X
E02V
03697
8.9X
E03V
09547
3.4X
E04V
16141
2.0X
E05V
14556
2.3X
E06V
05849
5.6X
E07V
04815
6.8X
E08V
01743
18.8X
E09V
01604
20.4X
1.0
2
3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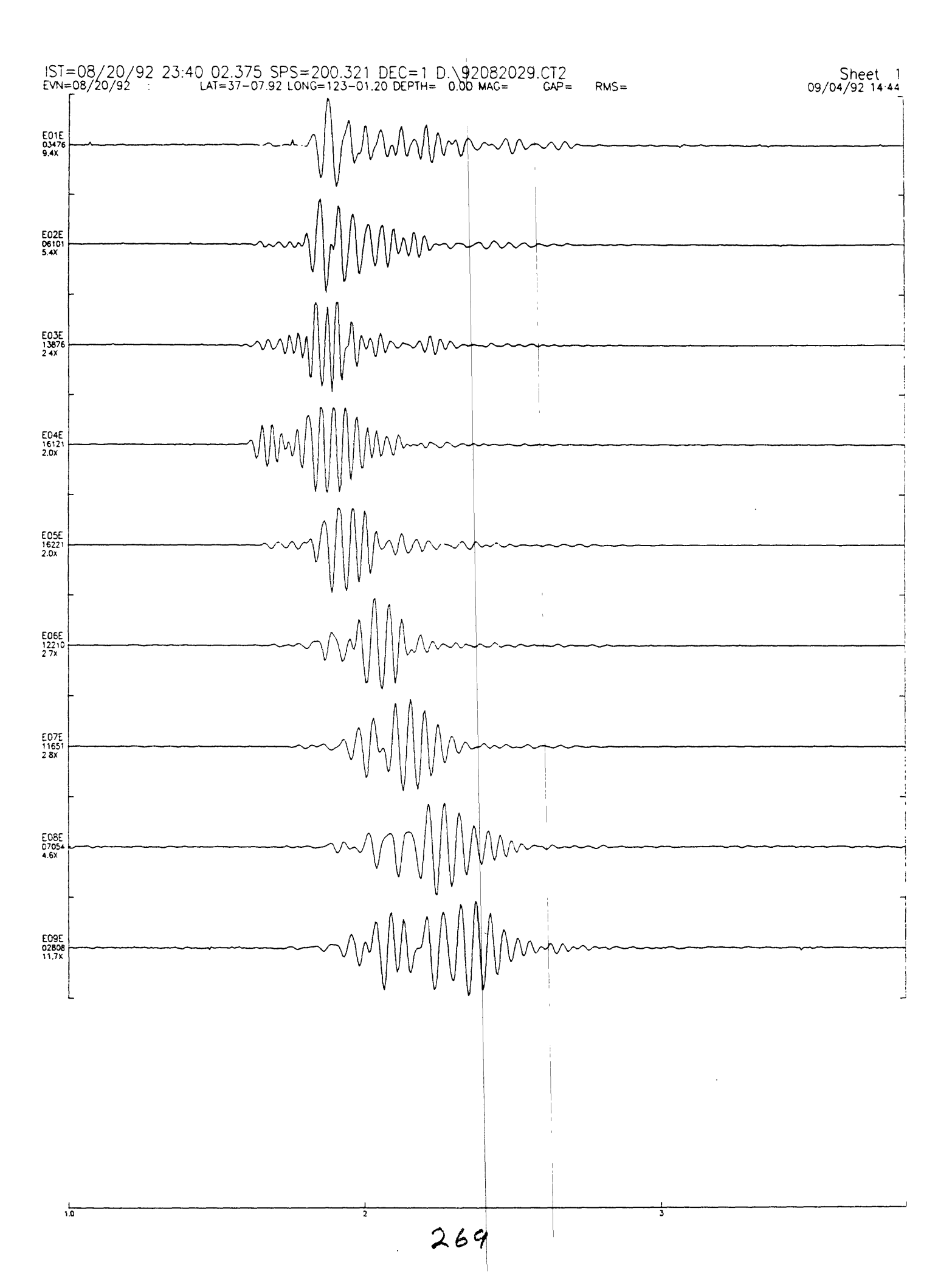
Sheet 1
09/04/92 14 43
E01N
15776
2.1X
E02N
15528
2.1X
E03N
16077
2 0X
E04N
16239
2.0X
E05N
16180
2.0X
E06N
15025
2 2X
E07N
00135
50.0X
E08N
06902
4.7X
E09N
03950
8 3X
1.0
2
3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09/04/92 14:44
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03476
9.4X
E02E
06101
5.4X
E03E
13876
2.4X
E04E
16121
2.0X
E05E
16221
2.0X
E06E
12210
2.7X
E07E
11651
2.8X
E08E
07054
4.6X
E09E
02808
11.7X
1.0
2
3

File: readme (10/4/92)

I. Title Page.

U. S. DEPARTMENT OF THE INTERIOR

U. S. GEOLOGICAL SURVEY

ZAYANTE SEISMIC EXPERIMENT: DATA REPORT

by

Zayante Seismic Experiment Team

c/o W. H. K. Lee

MS 977, 345 Middlefield Road

Menlo Park, CA 94025

Open-File Report 92-561-B

October, 1992

II. Disclaimer.

III. Date of Latest Revision.

October 4, 1992.

IV. Text.

INTRODUCTION

A shallow seismic refraction experiment was carried out in the Santa Cruz Mountain on August 20, 1992 (local time). These diskettes contain data files used for OFR 92-zzzA in SUDS format. Users are referred to the above mentioned report for details (in particular, Table 2).

V. Diskette Contents.

(1) Diskette #1 contains 11 data files:

92082003	CT1	107036	09-08-92	1:30p
92082003	CT2	107036	09-04-92	10:33a
92082004	CT1	107036	09-03-92	12:45p
92082008	CT1	74224	09-08-92	1:24p
92082008	CT2	107036	09-08-92	1:27p
92082009	CT1	107036	09-04-92	10:21a
9208200C	CT1	139892	09-01-92	2:20p
9208200C	CT2	172704	09-01-92	2:21p
9208200F	CT1	172660	09-01-92	2:22p
9208200H	CT1	139892	09-01-92	2:26p
9208200H	CT2	139892	09-01-92	2:27p

(2) Diskette #2 contains 11 data files:

9208200L	CT1	139848	09-01-92	2:34p
9208200M	CT1	139848	09-01-92	2:52p
9208200O	CT1	139892	09-01-92	2:53p
9208200Q	CT1	107036	09-01-92	2:54p
9208200S	CT1	107080	09-01-92	2:55p
9208200V	CT1	139848	09-01-92	2:35p
9208200V	CT2	139848	09-01-92	2:36p
9208200X	CT1	139892	09-01-92	2:56p
9208200Y	CT1	139892	09-01-92	2:58p
9208200Z	CT1	107036	09-01-92	2:59p
92082010	CT1	139892	09-01-92	3:02p

(3) Diskette #3 contains 11 data files:

92082020	CT1	139848	09-01-92	2:41p
92082020	CT2	107036	09-01-92	2:42p
92082023	CT1	139848	09-01-92	3:05p
92082026	CT1	139848	09-01-92	3:06p
92082029	CT1	139848	09-01-92	2:47p
92082029	CT2	139848	09-01-92	2:48p
9208202A	CT1	139848	09-01-92	3:08p
9208202C	CT1	107036	09-01-92	3:09p
9208202D	CT1	107036	09-01-92	3:11p
92082100	CT1	107036	09-03-92	12:27p
92082101	CT1	107036	09-03-92	12:30p

(4) Diskette #4 contains 8 data files:

92082102	CT1	107036	09-03-92	6:55p
92082103	CT1	107036	09-03-92	6:55p
92082104	CT1	107036	09-03-92	12:32p
92082106	CT1	107036	09-03-92	12:34p
92082107	CT1	107036	09-03-92	12:36p
92082108	CT1	107036	09-03-92	6:54p
92082109	CT1	107036	09-08-92	1:37p
9208210A	CT1	107036	09-03-92	12:39p

Open-File Report 92-561-A and -B. Zayante Seismic Experiment: Data Report, Zayante Seismic Experiment Team. 1992. 269 p. and four 3.5-in. diskettes.

This report describes the data collected for the Zayante Seismic Experiment, a shallow refraction experiment using two types of seismic sources: a sledge hammer as a source of compressional waves and an air-powered shear-wave generator as a source of shear waves. The recording array consisted of 23 Mark Products L-22, three-component seismometers arranged as a cross oriented north-south and east-west.

Open-File Report 92-561-A (269 p.) contains a description of the experiment and the collected data. We present 204 typical waveforms collected from each source. These waveforms are shown in figures. Open-File Report 92-561-B contains four 3.5-in diskettes containing the digital data of the 204 typical waveforms collected from each source.

Requirements for part B: IBM 386 or 486 PC or compatible; minimum 1 MB RAM; math coprocessor; VGA graphics board and monitor; minimum 40 MB hard disk; 3.5-inch floppy disk drive; PC or MS DOS 4.01 or later, and IASPEI Software Library Volumes 1, 2, and 3 (published jointly by IASPEI and the Seismological Society of America, El Cerrito, CA 94530).