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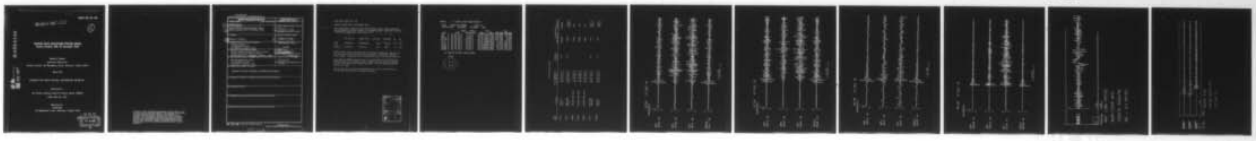

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SPECIAL DATA COLLECTION SYSTEM (SDCS)
Eastern Kazakh, SSR, 07 December 1976

Michael S. Dawkins

Alexandria Laboratories

Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

March 1978

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The Defense Advanced Research Projects Agency (DARPA)

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SDCS Event Report No. 124

Eastern Kazakh, SSR, 07 December 1976

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is provided.

	"P" Arrival	Origin Time	Latitude	Longitude	m_b	M_s
LASA	05:09:30.0	Unpublished	48.5N	082.5E	5.8	N/A
and						
Hagfors	05:04:11.2	04:57:10	51N	078E	7.1	N/A

HN-ME, RK-ON, NT-NV, and NT2NV were operational during this time period, and all recorded positive short-period signals. Horizontal channels were rotated. Long-period at all operational SDCS stations was negative.

Both LASA and NORSAR waveform data were recoverable from the SDAC/VELA Network detection processing system. NORSAR recorded positive signals in both short-period and long-period modes. Only the short-period was positive at LASA.

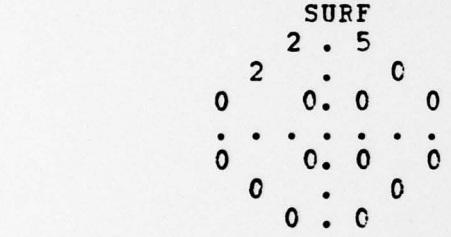
Scaling factors on plots are millimicrons at 1 Hz for SP and 0.04 Hz for LP (not corrected for instrument response).

PREDA -- TRAVEL TIME PREDICTIONS --

07DEC INPUT FOR EVENT 7 DEC 76
04:57:00.0 50.000N 79.000E 0KM.

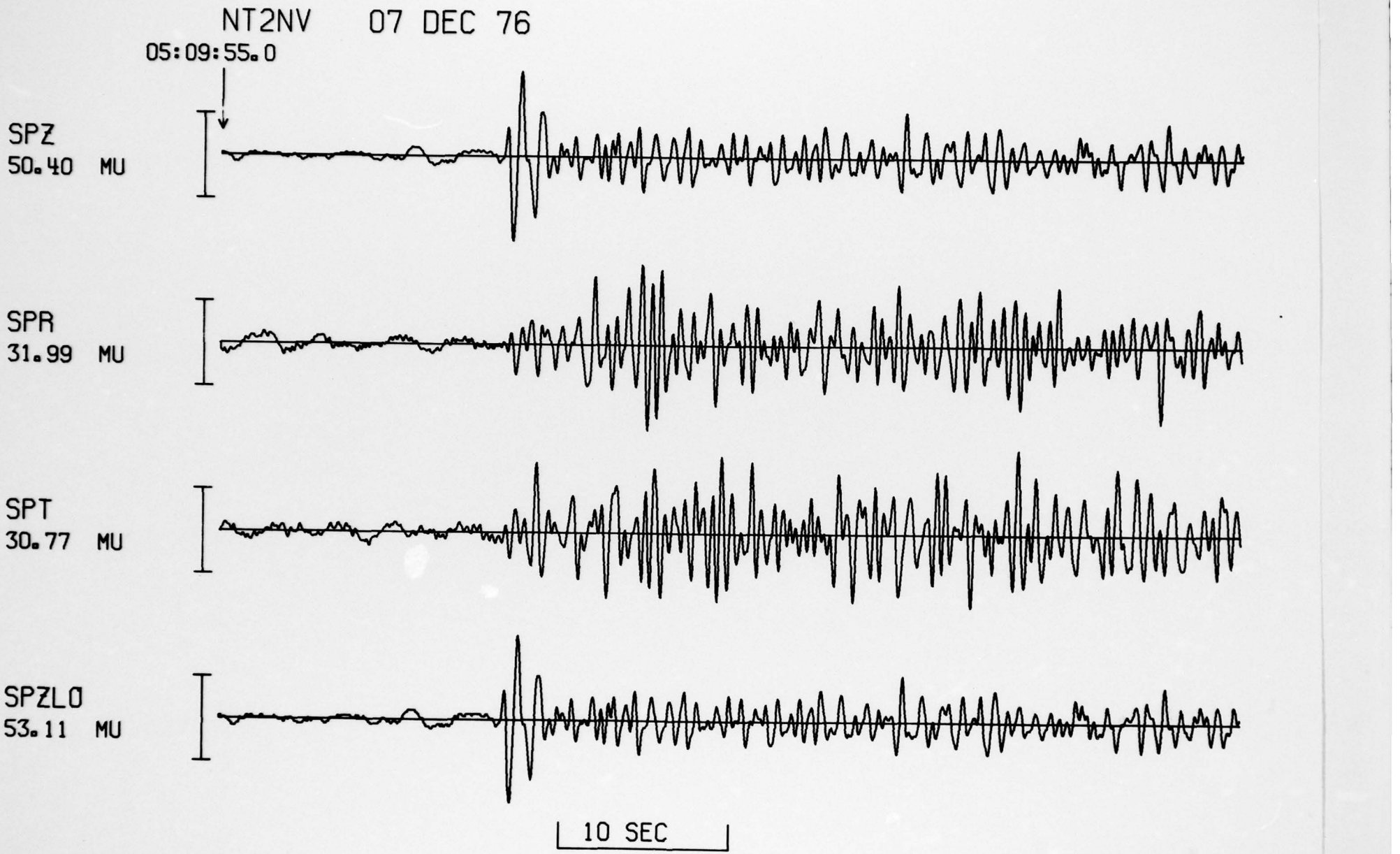
STA.		TIME	SURF(0KM.) TRAV.TIME	DIST DEG.	KM.	AZI EVT-STA	STA-EVT
HFS	P	05 04 11.9	7:11.9	37.22	4138.9727	311.262	75.749
NAO	P	05 04 22.0	7:22.0	38.42	4271.7109	312.945	74.590
RK-ON	P	05 09 06.5	12:06.5	79.34	8822.7148	355.280	4.804
HN-ME	P	05 09 10.3	12:10.3	80.03	8898.9531	337.387	20.915
LAO	P	05 09 29.0	12:29.0	83.59	9294.4375	3.615	356.611
NT-NV	P	05 10 10.2	13:10.2	92.04	10234.0000	12.252	350.115
NT2NV	P	05 10 10.4	13:10.4	92.08	10238.4727	12.152	350.198
OB3NV	P	05 10 10.5	13:10.5	92.13	10244.2227	11.973	350.344
OB2NV	P	05 10 10.5	13:10.5	92.14	10244.9961	11.977	350.342

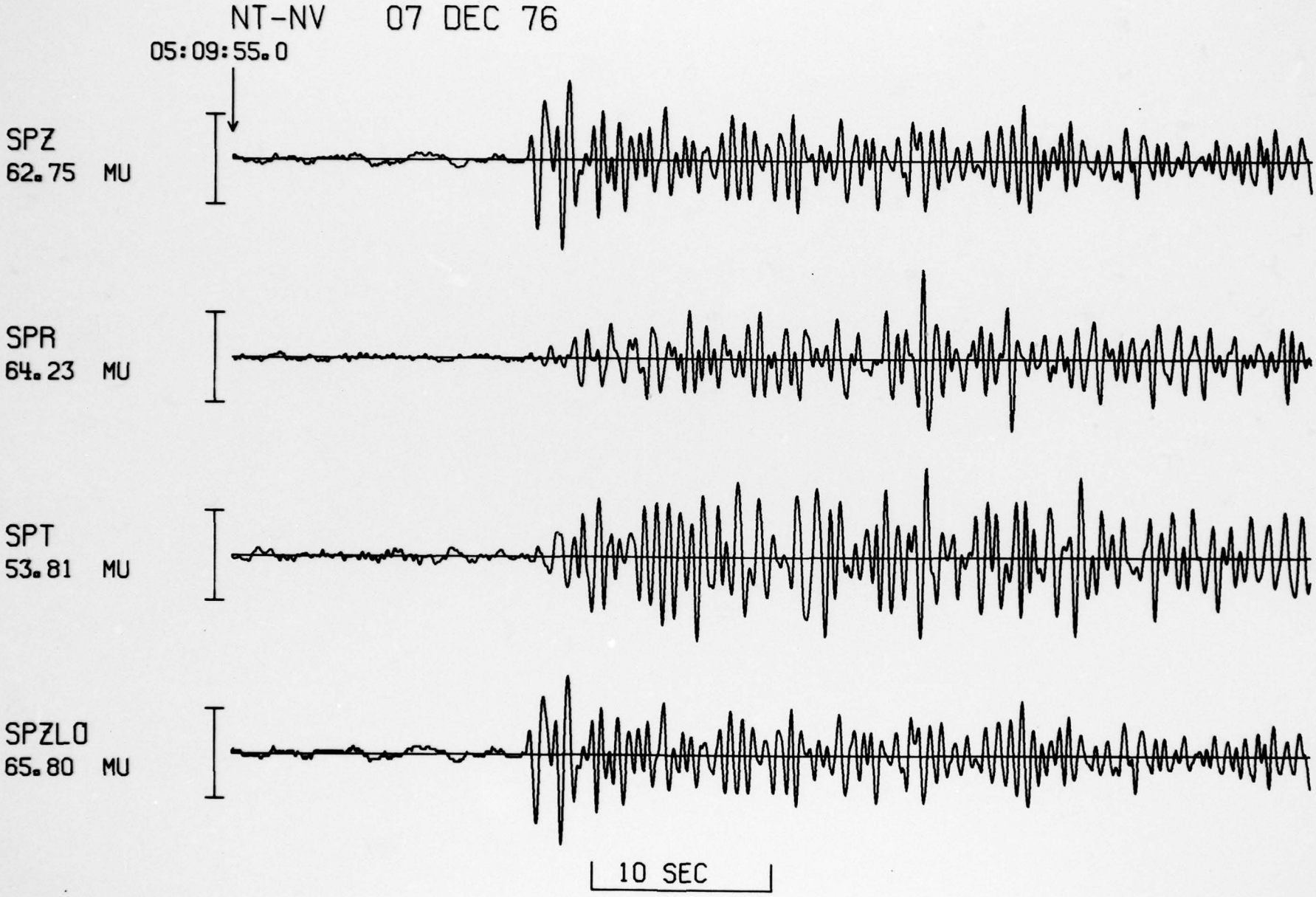
67 HERRIN TRAVEL TIME TABLES

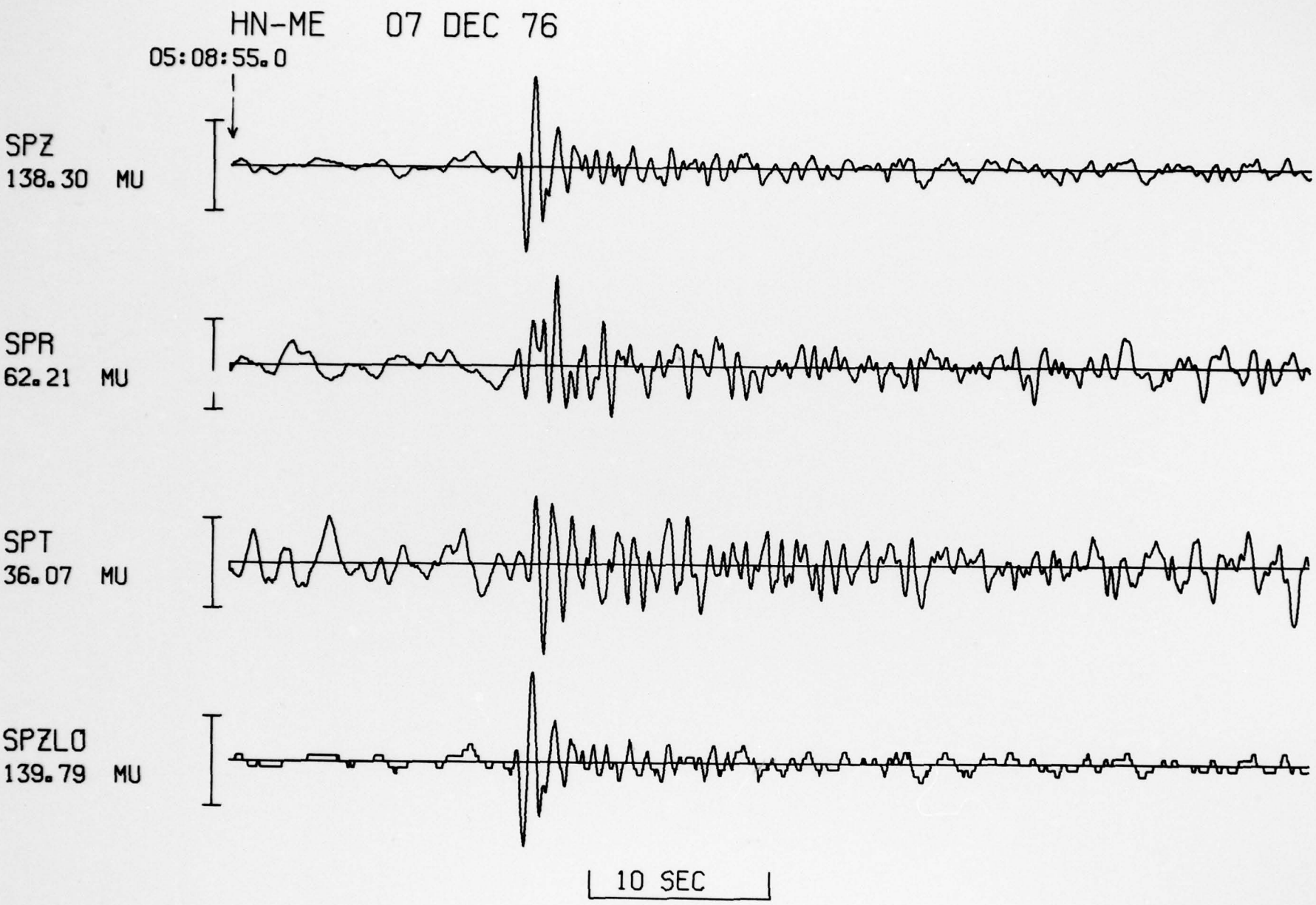


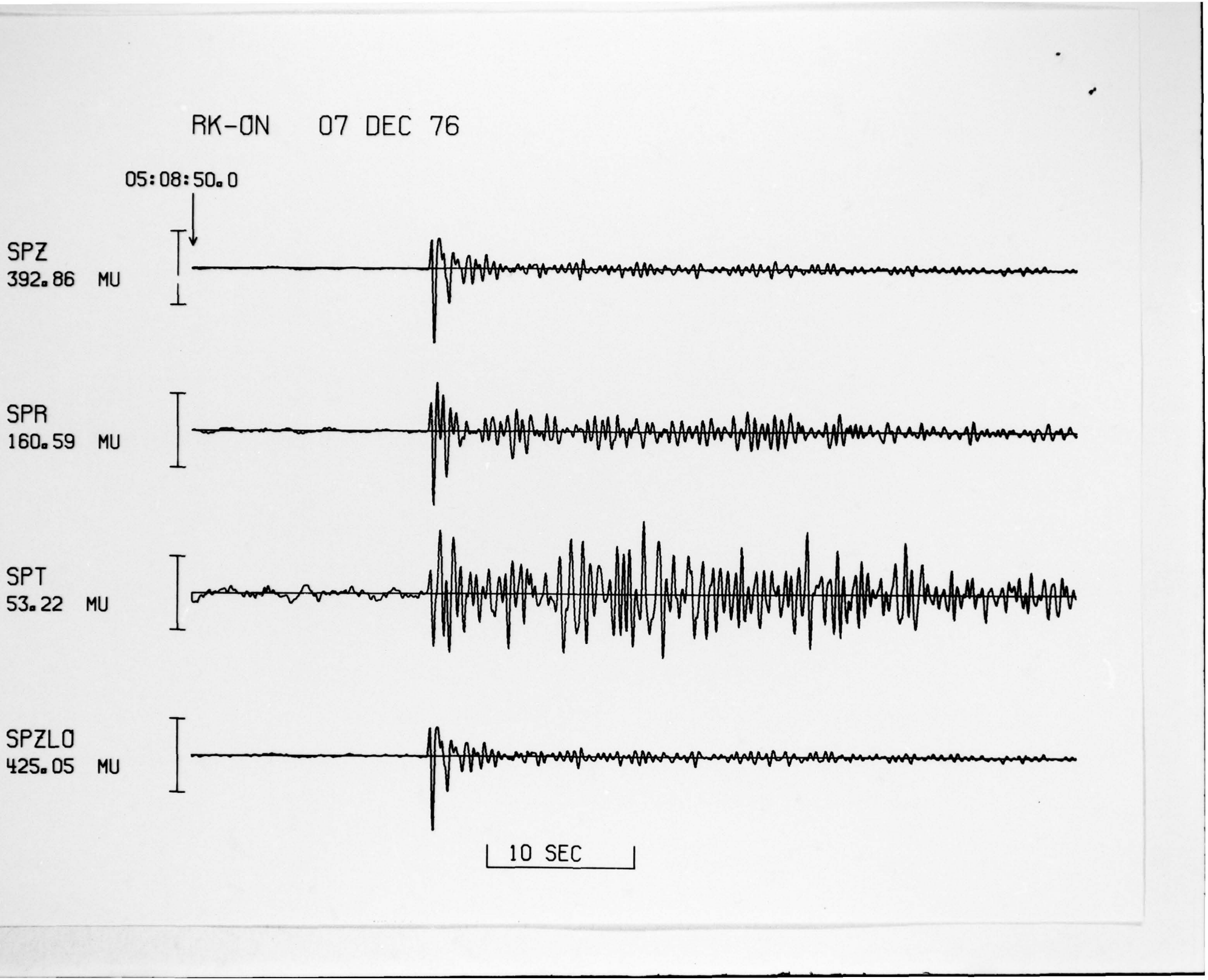
STATION DESCRIPTION

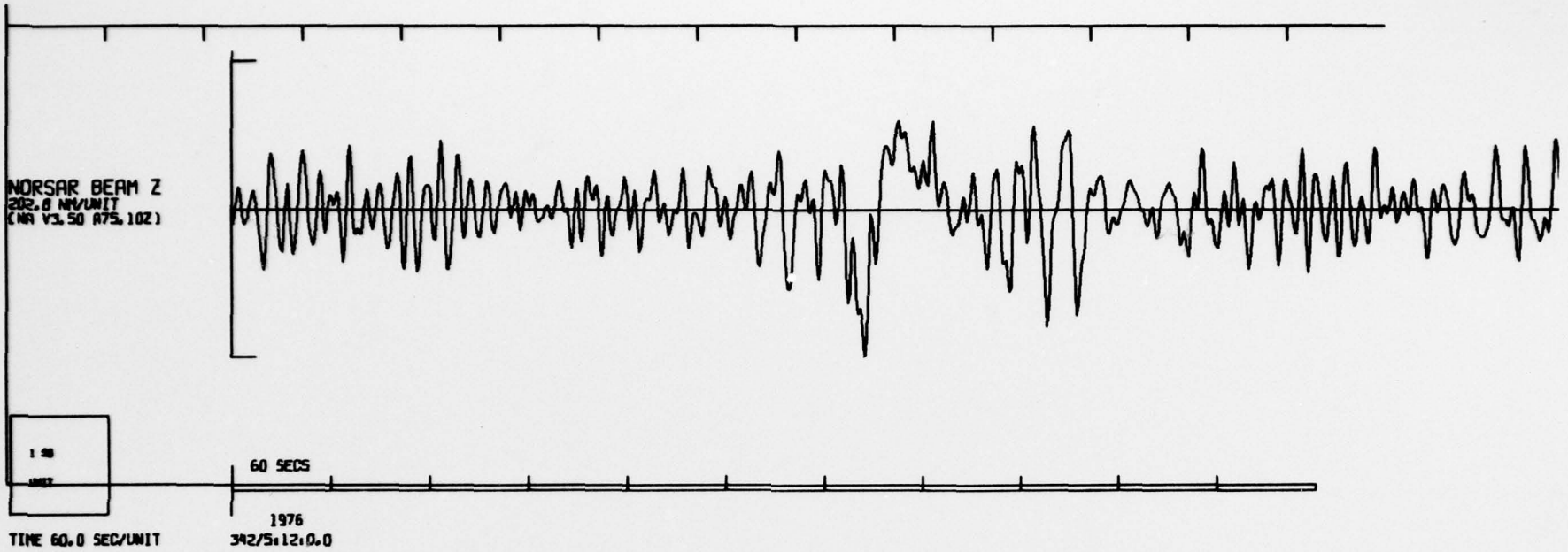
SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION SHORT-PERIOD	LONG-PERIOD
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	KS36000	KS36000
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
OB2NV	Nevada Test Site	37 13 31.0 N 116 03 28.0 W		18300	N/A
NT-NV	Nevada Test Site	31 16 33.0 N 116 25 06.0 W		18300	N/A
NT2NV	Nevada Test Site	37 15 16.0 N 116 18 13.0 W		18300	N/A
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H


NT2NV 07 DEC 76
05:09:55.0
SPZ
50.40 MU
SPR
31.99 MU
SPT
30.77 MU
SPZLO
53.11 MU
10 SEC


NT-NV 07 DEC 76
05:09:55.0
SPZ
62.75 MU
SPR
64.23 MU
SPT
53.81 MU
SPZLO
65.80 MU
10 SEC


HN-ME 07 DEC 76
05:08:55.0
SPZ
138.30 MU
SPR
62.21 MU
SPT
36.07 MU
SPZLO
139.79 MU
10 SEC


RK-ON 07 DEC 76
05:08:50.0
SPZ
392.86 MU
SPR
160.59 MU
SPT
53.22 MU
SPZLO
425.05 MU
10 SEC

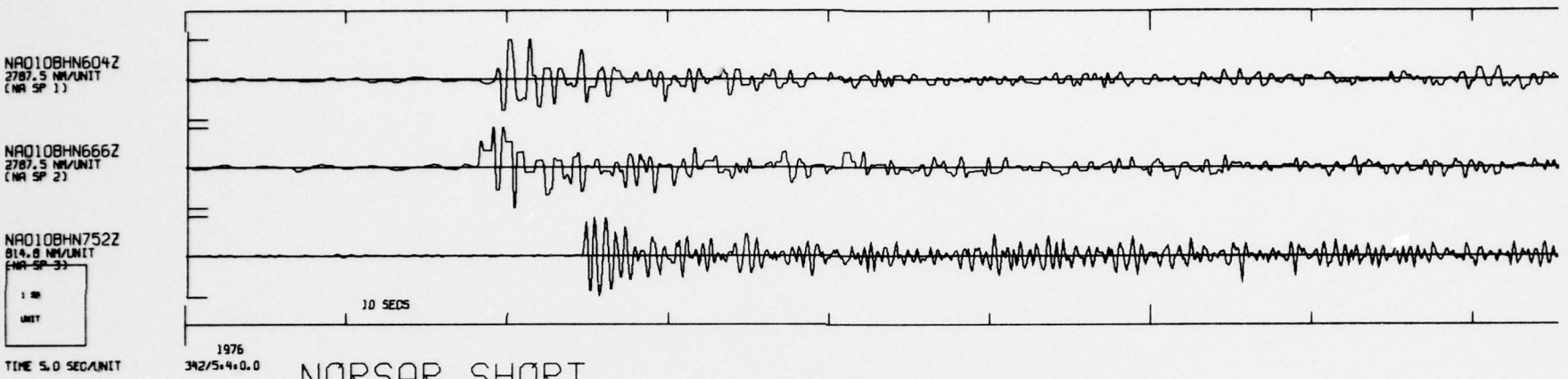


NAO LONG PERIOD

· BEAM-STEER DATA

07DEC76 50NX079E

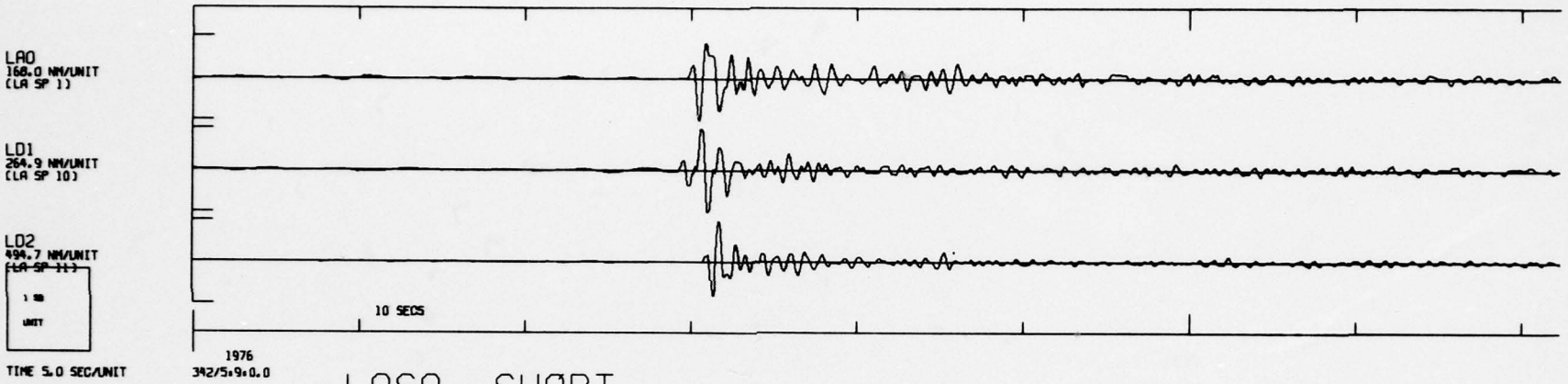
VEL = 3.5 KM/SEC



NORSAR SHORT

PERIOD BEAMS FOR

07 DEC 76



LASA SHORT

PERIOD SUBARRAYS

FOR 07 DEC 76