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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT:  
EASTERN KAZAKH, 5 OCTOBER 1975

K. J. Hill, et al

Teledyne Geotech

Prepared for:

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23 December 1975

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**SPECIAL DATA COLLECTION SYSTEM EVENT REPORT**  
**Eastern Kazakh, 5 October 1975**

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**Alexandria Laboratories**

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**December 1975**

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**Monitored By**

**VELA Seismological Center**  
**312 Montgomery Street, Alexandria, Virginia 22314**

*[Faint handwritten notes and a signature]*

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20 ABSTRACT (Continue on reverse side if necessary and identify by block number)		

SDCS Event Report No. 48

Eastern Kazakh, 5 October 1975

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:

	"P" Arrival Time	Origin Time	Latitude	Longitude	$m_b$	$M_s$
NORSAR	04:34:18.5	04:26:45	49 N	080 E	4.0	N/A
Hagfors	04:34:08.9	04:27:00	50 N	078 E	4.6	N/A

All SDCS stations were operational during this period.

No SDCS stations recorded short-period signals associated with this event. Horizontal SP channels at all SDCS sites were rotated. NORSAR recorded a short-period signal arrival and LASA data were unrecoverable.

No SDCS stations recorded long-period signals. At RK-ON the operating gain of the LP vertical channel was questionable. The horizontal channels at WH2YK were not rotated due to unknown operating gain of the LP transverse channel. The LP horizontal channels at RK-ON, FN-WV, HN-ME and CPSO were rotated. NORSAR and ALPA recorded no long period signals. LASA long-period array data were not recoverable.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of LASA and NORSAR short-period plots. LASA SP scaling factors are millimicrons per inch. Scaling factors are not reported for NORSAR short-period.

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	MN SECS		SHORT - PERIOD	LONG - PERIOD
ALPA	Alaska	65 14	00.0 N 147 44 36.0 W	626	None	31300
CPSO	McMinnville, Tennessee	35 35	41.4 N 085 34 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32	58.0 N 079 30 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41	19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09	43.0 N 067 59 09.0 W	213	18300	SL210 V SL220 H
NORSAR	Kjeller, Norway	60 49	25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50	20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41	41.0 N 134 58 02.0 W	853	18300	SL210 V SL220 H

Note: The orientation of the radial instruments at FN-WV is assumed to be 316° ± 5° based on empirical data (event recordings). Rotation, where performed, is referenced to this azimuth and may be questionable.

W

DATA SUMMARY

5 Oct 75

Sta.	Phase	Arrival Time	Inst.	Per	A/T	Magnitude		Dist.
						$m_b$	$M_s$	
NAO	EP	04:34:18.5	AB	0.5	2.2	4.0	--	40

WH2YK 05 OCT 75

SPZ  
13.64 MP



SPR  
10.78 MP



SPT  
13.98 MP

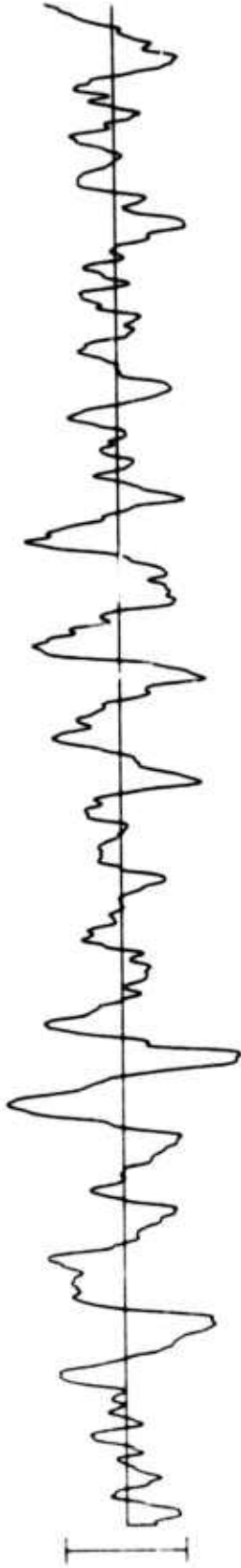


TIME

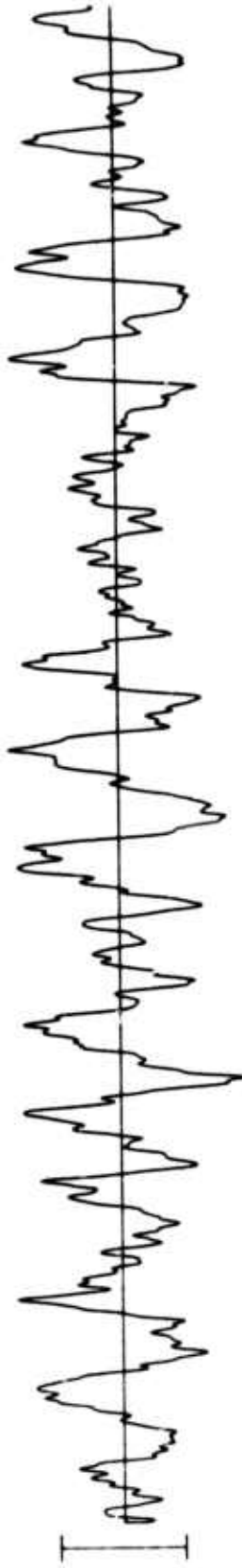


**RK-ON 05 OCT 75**

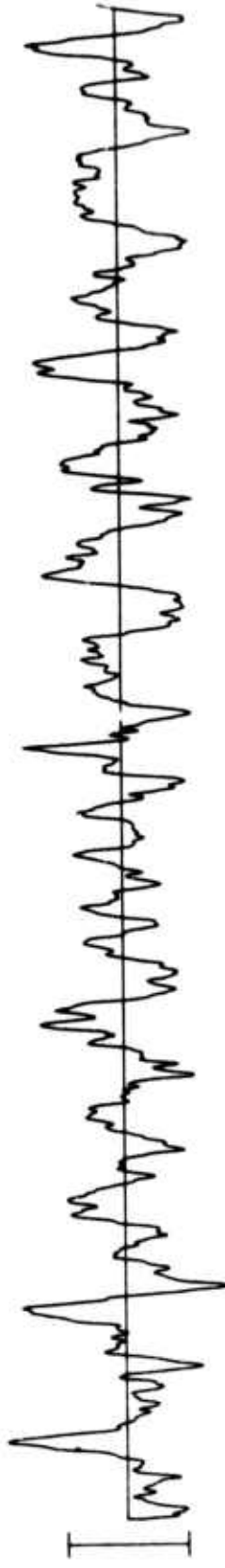
**SPZ  
19.14 MP**



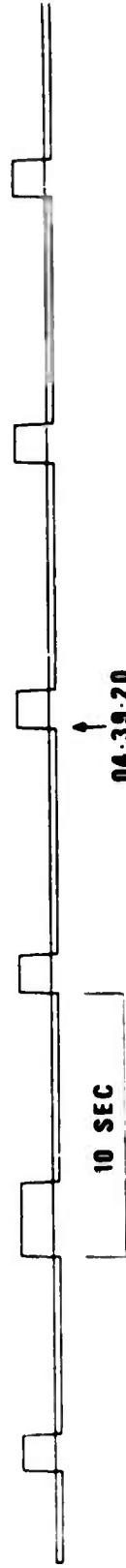
**SPR  
13.45 MP**



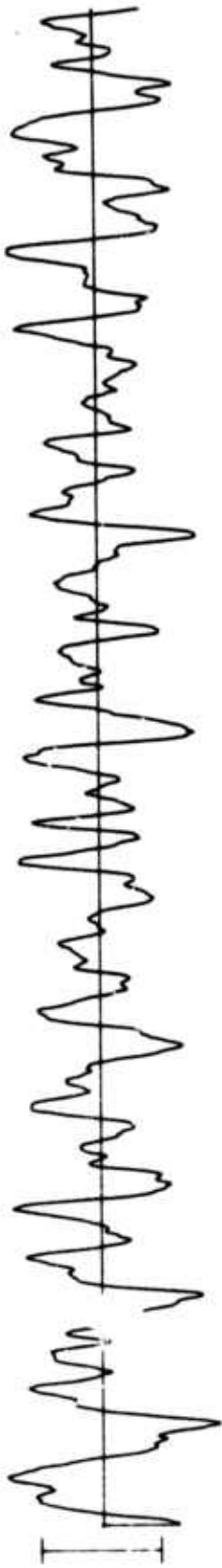
**SPT  
14.61 MP**



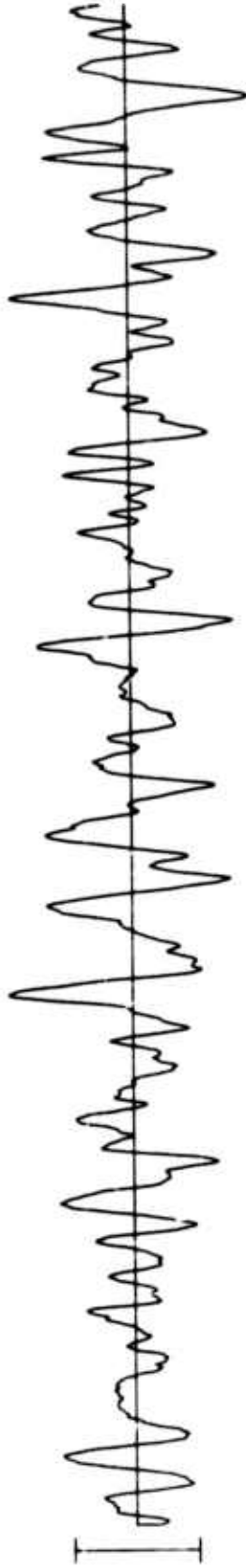
**TIME**



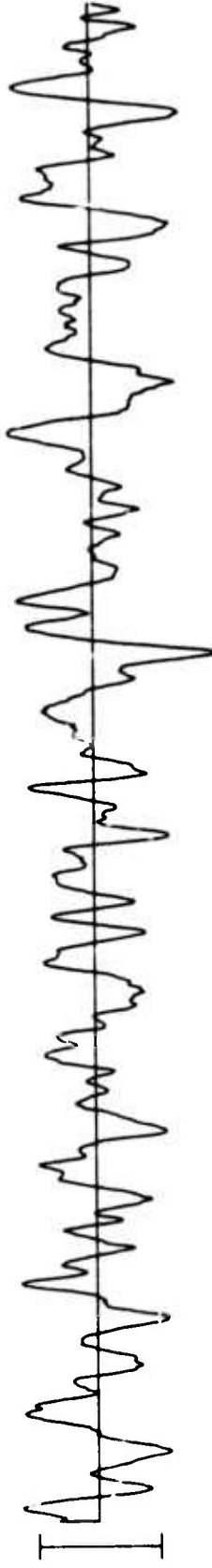
**HN-ME 05 OCT 75**



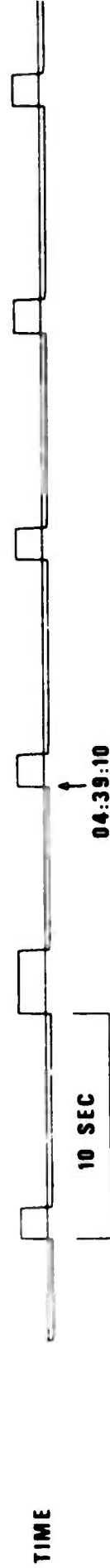
**SPZ  
20.05 MP**



**SPR  
22.40 MP**



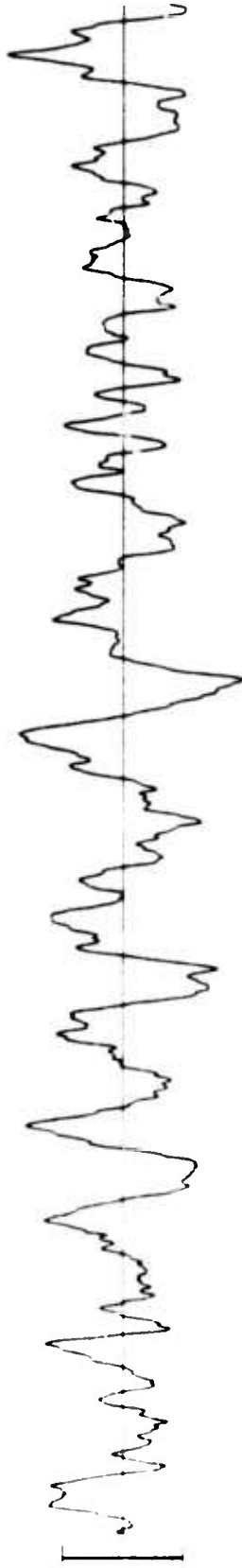
**SPT  
23.71 MP**



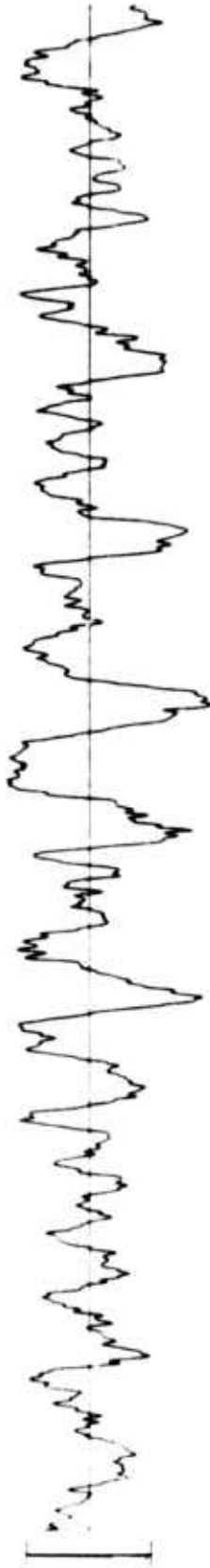
7

**FN-WV 05 OCT 75**

**SPZ  
12.58 MP**



**SPR  
14.41 MP**



**SPT  
12.97 MP**



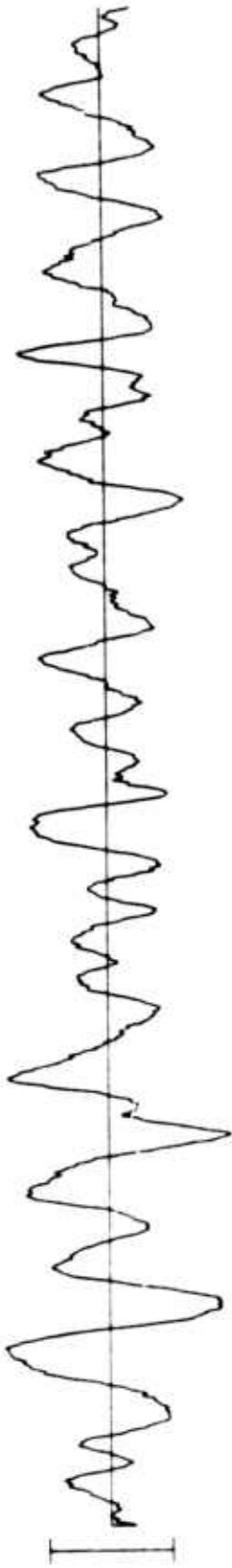
**TIME**



∞

CPSJ 05 OCT 75

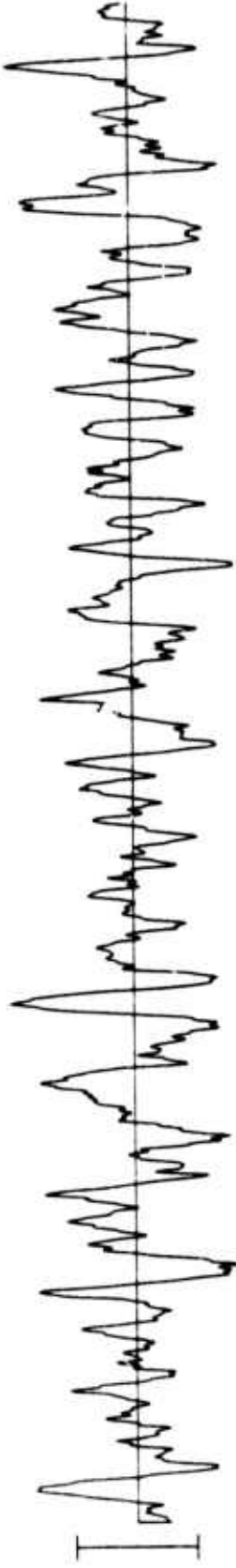
SPZ  
21.60 MP



SPR  
10.36 MP



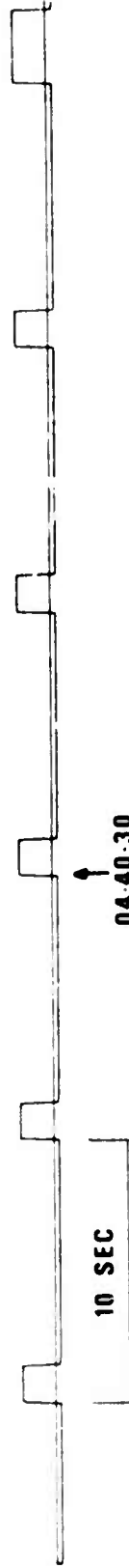
SPT  
6.56 MP



TIME

10 SEC

04:40:30



9

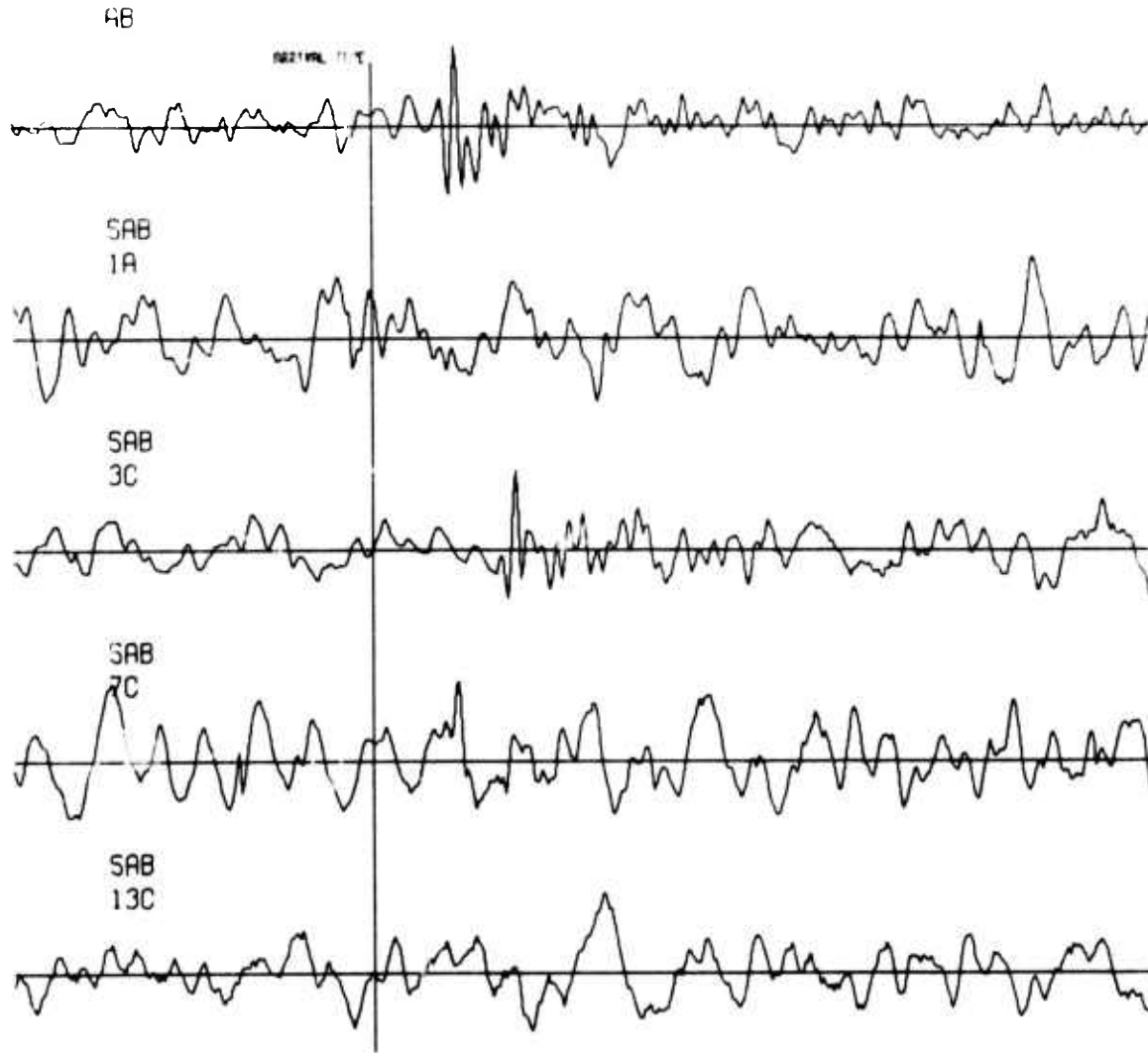
NORSAR EVENT FILE

1975 OCT 5

EPX NO. 81050 ARR. 4.34.14.1 48.6N 79.3E 3.9MB 33KM

DIST = 39.5 AZI = 75.9 AMP = 1.1 PER = 0.5

—|— = 5 SECONDS

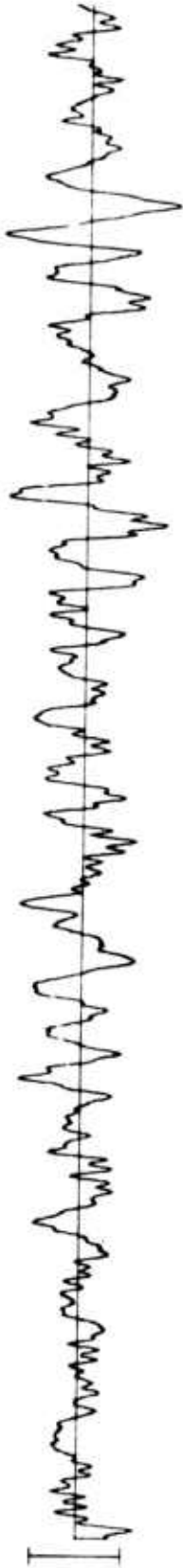


WK2YK 05 OCT 75

LPZ  
UNKNOWN



LPK  
321.10 MP



LPT  
UNKNOWN

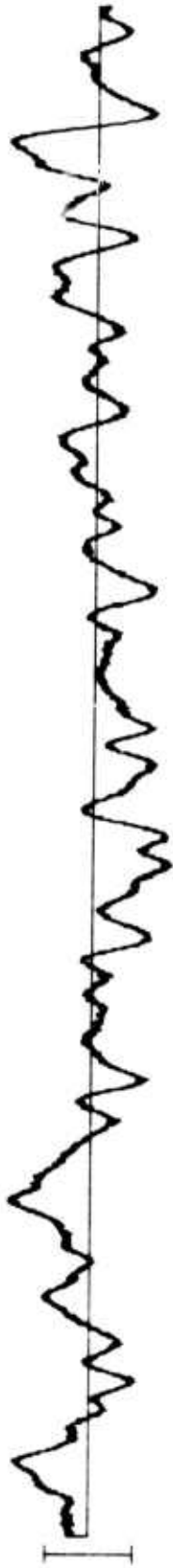


TIME



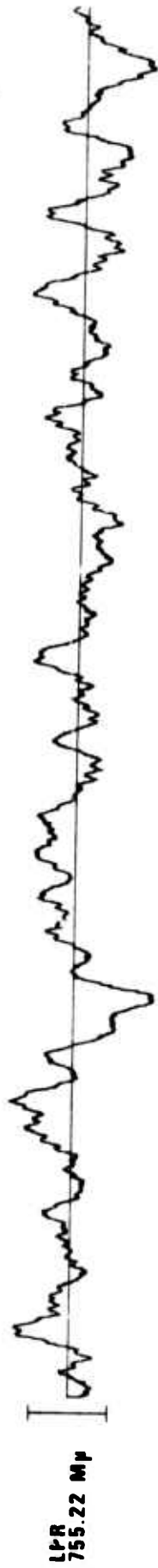
\*INVALID CALIBRATION

RK-ON 05 OCT 75

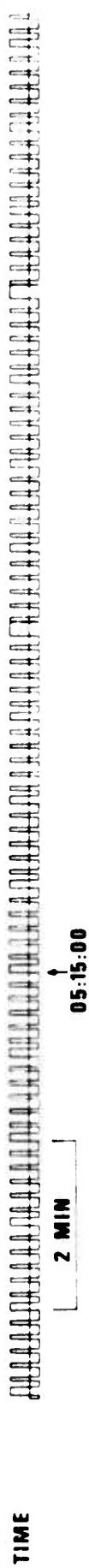
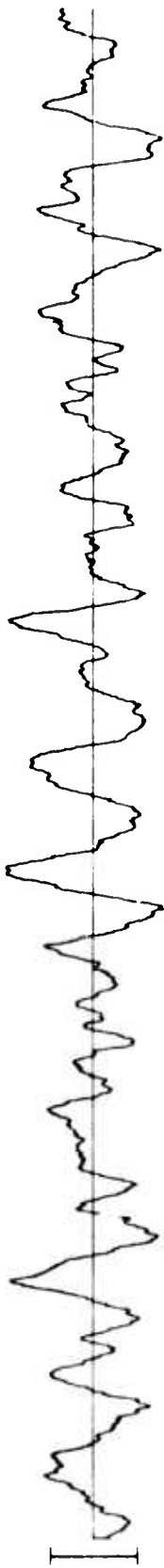
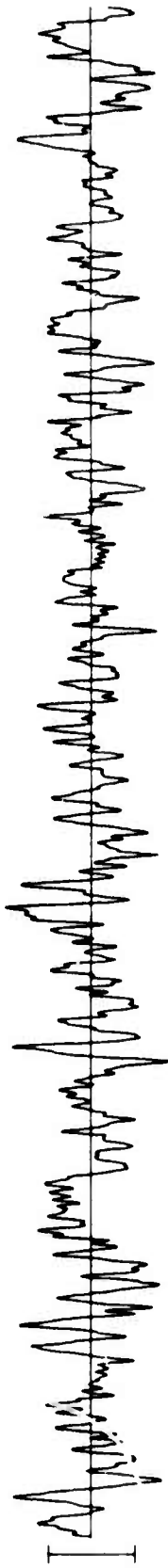


\*INSTRUMENT NOT RESPONDING PROPERLY

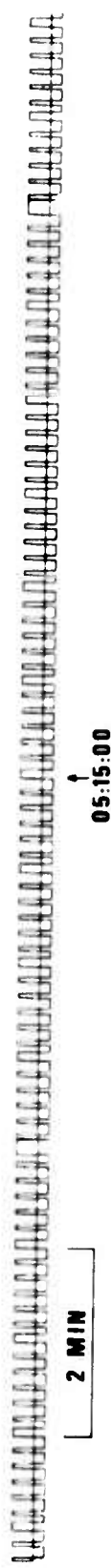
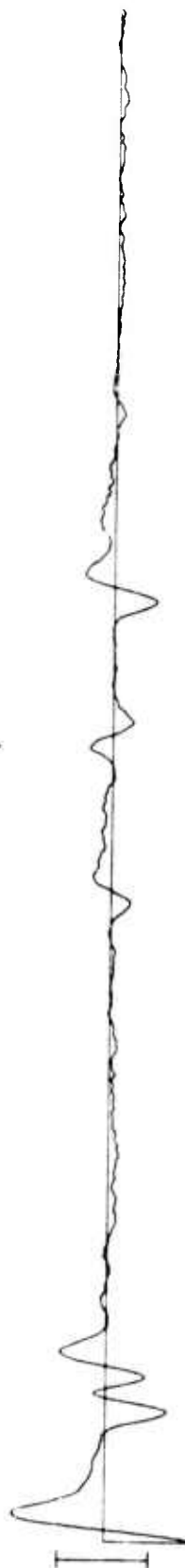
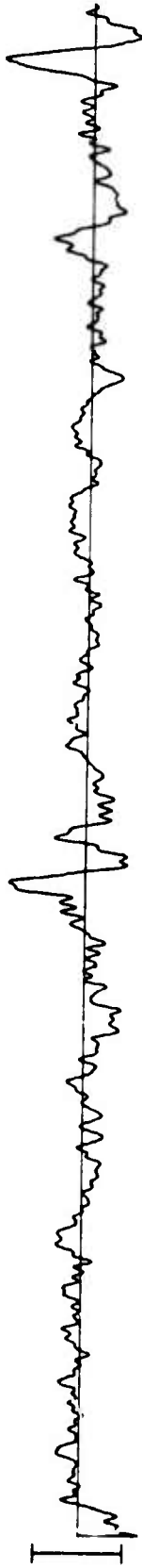
HN-ME 05 OCT 75



FN-WV 05 OCT 75



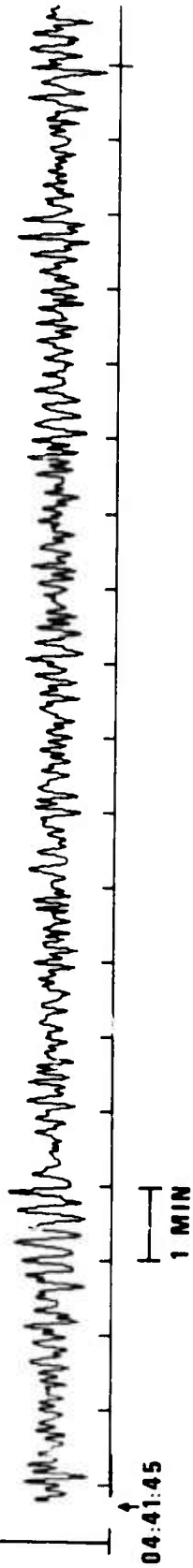
CPSO 05 OCT 75



# ARRAY LONG PERIOD VERTICAL BEAMS 05 OCT 75

NORSAR

LP VERTICAL  
84.19 MHz



ALPA

LP VERTICAL  
38.34 MHz

