

14 SDCS-ER-77-131

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6 SPECIAL DATA COLLECTION SYSTEM (SDCS)
Tuamotu Archipelago Region, 19 February 1977.

9 Technical rept.

15 FO 86 06-78-C-4447
ARPA Order-2551

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11 May 1978

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SDCS Event Report No. 131

Tuamotu Archipelago Region, 19 February 1977

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	Origin Time	Latitude	Longitude	m_b	M_s
LASA	23:41:40.7	unreported	19.5S	128.9W	4.6	N/A

All SDCS stations were operational during this time period. The presence of a positive short-period signal at HN-ME is questionable. Data for NT-NV was taken from the back-up analog system due to memory problems with the digital system. Long-period data at stations recording such were negative.

LASA waveform data were recoverable from the SDAC/VELA Network detection processor, with the short-period showing a positive signal. NORSAR data were unrecoverable.

Scaling factors on plots are millimicrons at 1 HZ (not corrected for instrument response).

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JUSTIFICATION		
BY		
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Dist.	AVAIL.	Code or SPECIAL
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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

PREDA -- TRAVEL TIME PREDICTIONS --

19 FEB INPUT FOR EVENT 19 FEB 77
 23:30:00.0 21.99°S 139.00°W OKM.

STA.	TIME	SURF(CKM.)		DIST		AZI	
		TRAV. TIME	DEG.	KM.	EVT-STA	STA-EVT	
NT-NV P	23 40 26.1	10:26.1	62.68	6969.9648	20.167	203.647	
NT2NV P	23 40 26.2	10:26.2	62.70	6972.4062	20.286	203.782	
OB2NV P	23 40 26.5	10:26.5	62.75	6977.7383	20.487	204.011	
OB3NV P	23 40 26.5	10:26.5	62.76	6978.6172	20.486	204.013	
LAC P	23 41 39.9	11:39.9	74.51	8285.6016	22.751	211.423	
EK-ON P	23 42 25.3	12:25.3	82.78	9204.6641	27.023	221.702	
HN-MF P	23 43 16.2	13:16.2	93.32	10376.8125	41.173	241.527	
NAD P	23 49 21.3	19:21.3	135.88	15108.6328	20.712	317.943	
HFS P	23 49 24.0	19:24.0	137.32	15269.4922	19.796	321.097	

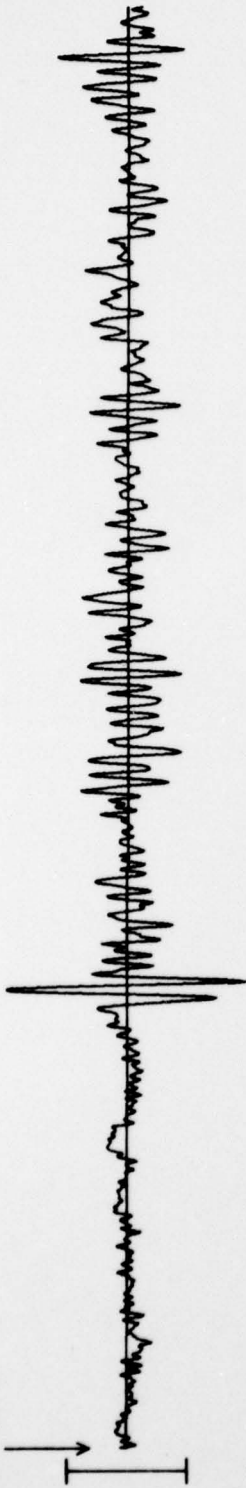
67 HERFIN TRAVEL TIME TABLES

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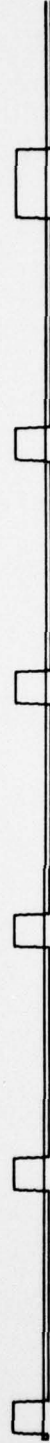
SURF
C . 8
C . 1
C . C . C
. . . . .
C . C . C
C . C
C . C
    
```


NT-NV 19 FEB 77

23:40:10.0



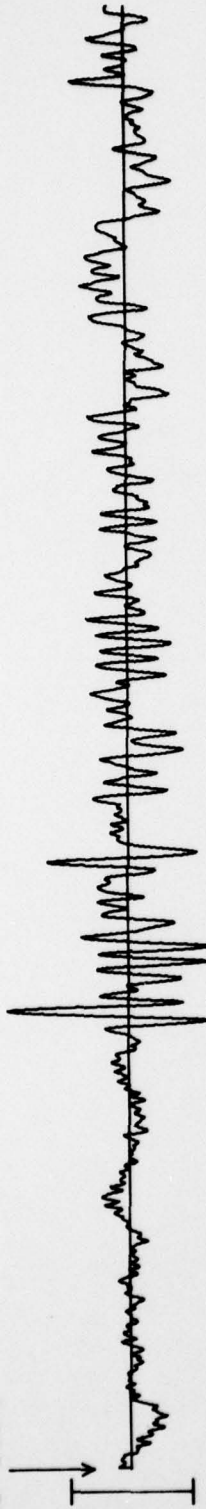
TIME



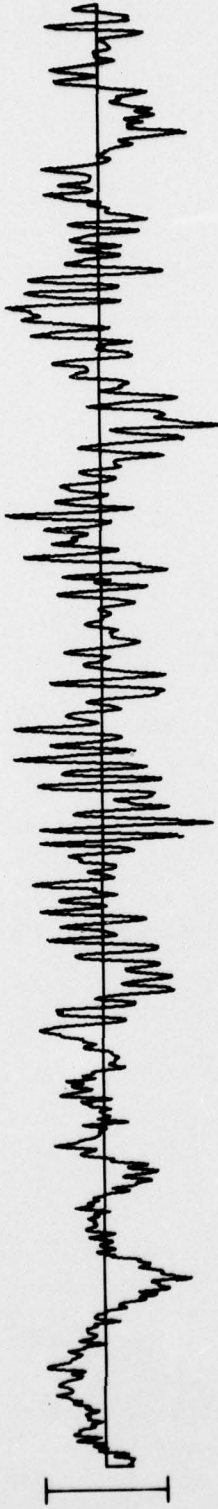
10 SEC

NT2NV 19 FEB 77

23:40:10.0



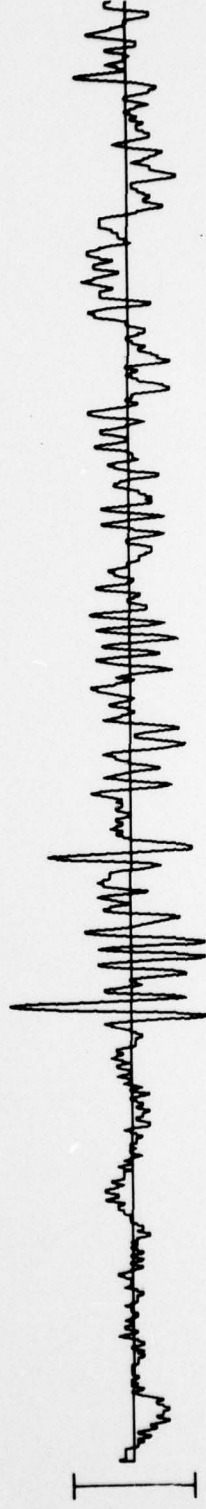
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23.93 MU



SPR
12.17 MU



SPT
16.68 MU

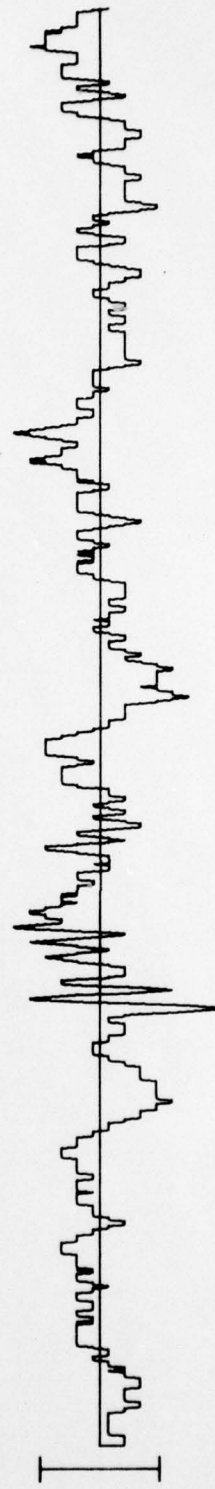
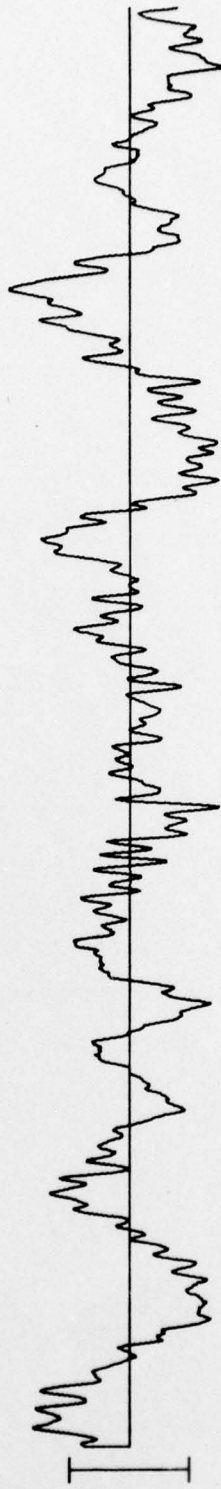
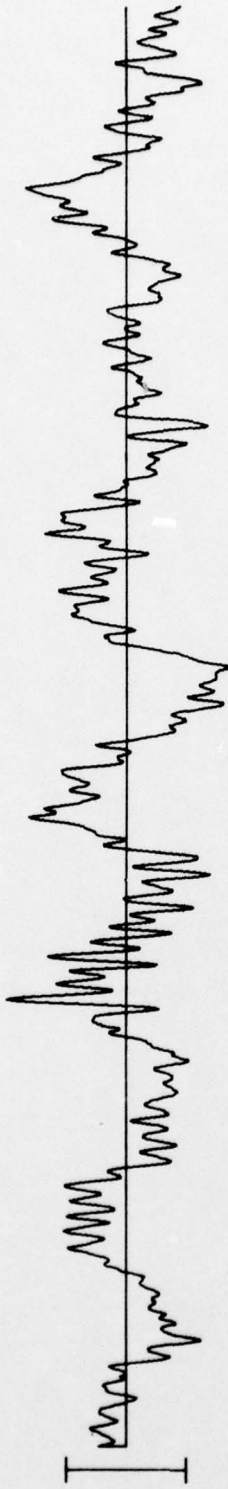
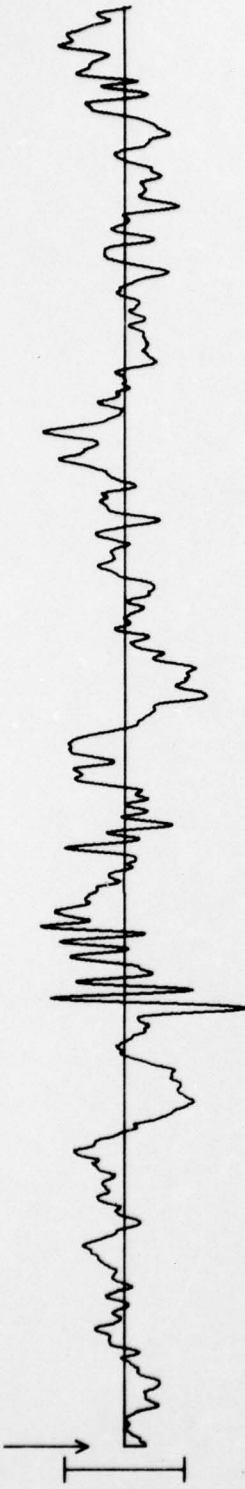


SPZLO
24.59 MU

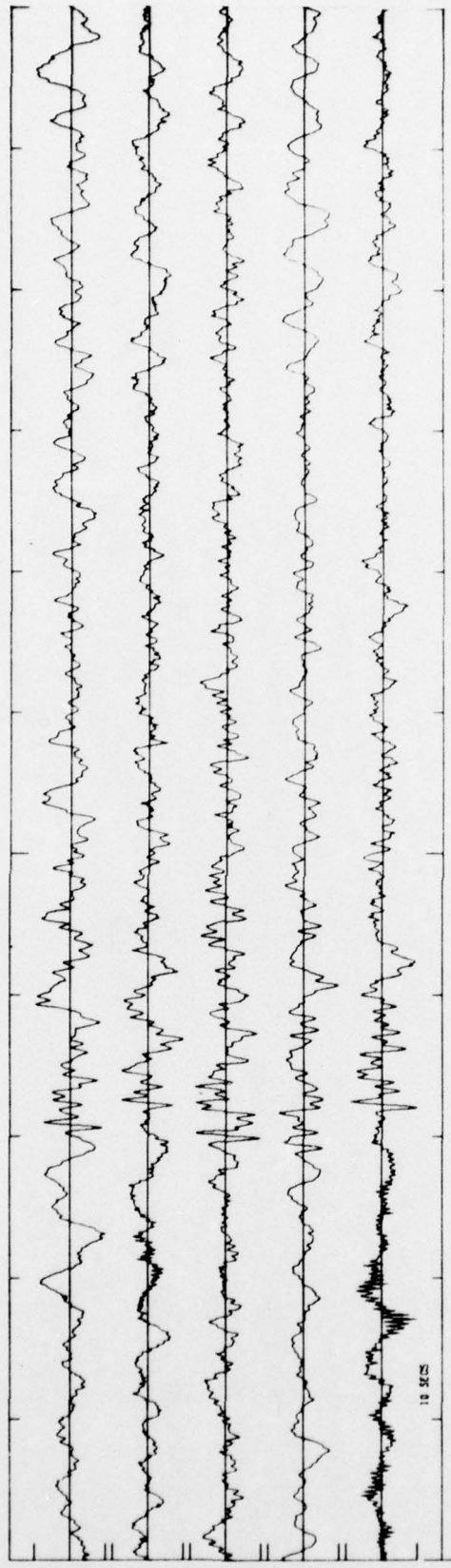
10 SEC

OB2NV 19 FEB 77

23:40:10.0



10 SEC



LA010SHQ01U1Z
 16.0 AMP/VOLT
 (LA # 11)

LA010SHQ01U1Z
 16.0 AMP/VOLT
 (LA # 18)

LA010SHQ02U1Z
 20.0 AMP/VOLT
 (LA # 11)

LA010SHQ03U1Z
 20.0 AMP/VOLT
 (LA # 12)

LA010SHQ04U1Z
 20.0 AMP/VOLT
 (LA # 12)



1977
 58/23/41/10.0

LASA SHORT

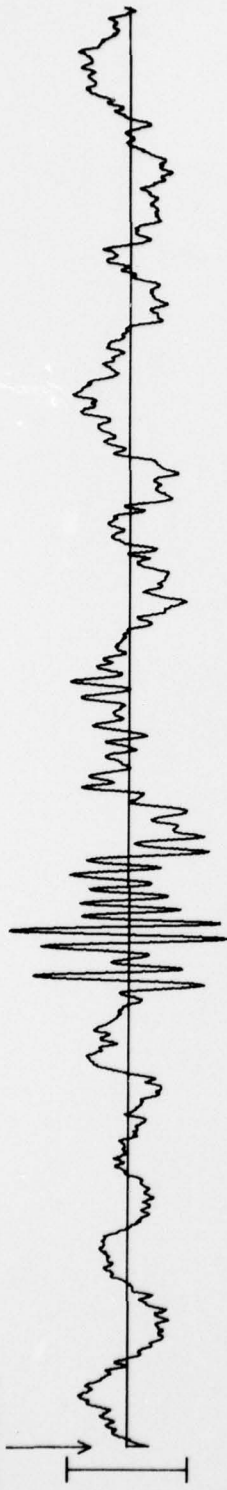
PERIOD SUBARRAYS

19 FEB 77

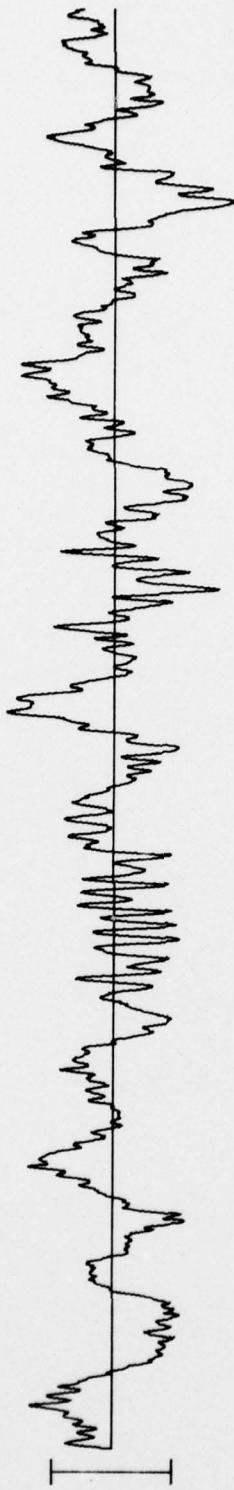
TIME 5.0 SECONDS

RK-ON 19 FEB 77

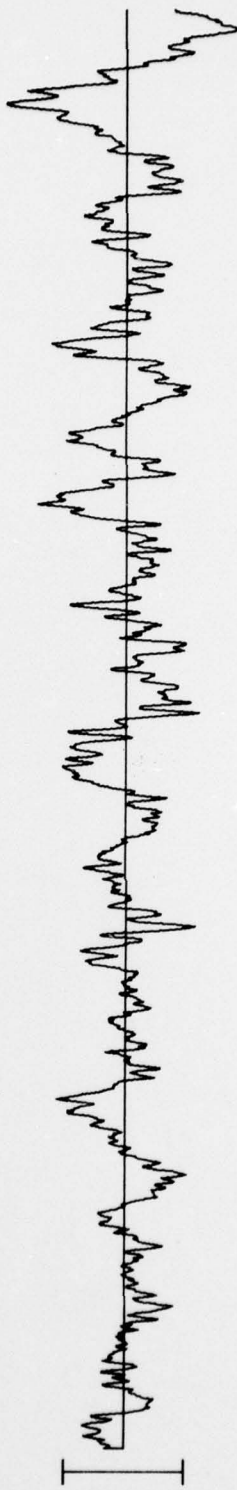
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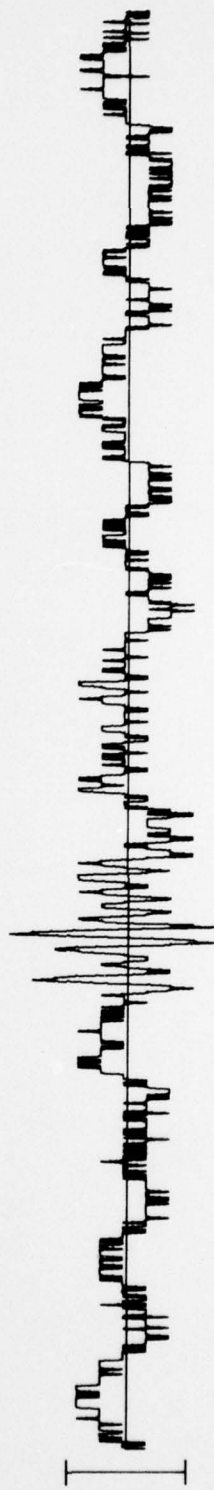
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15.56 MU



SPR
7.83 MU



SPT
7.14 MU



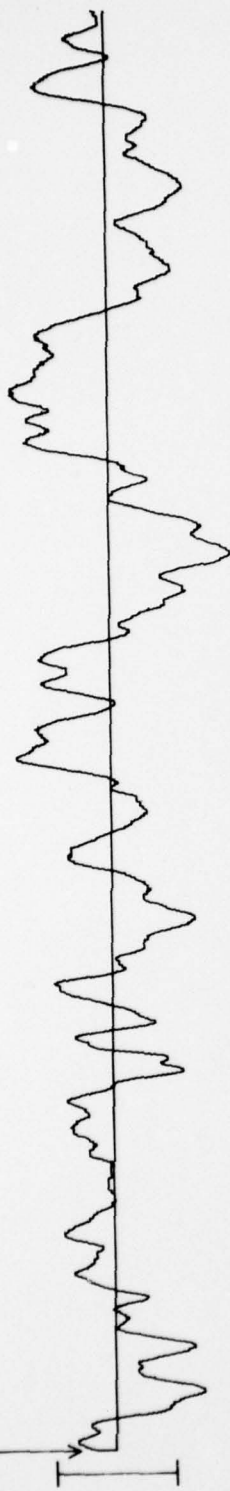
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19.44 MU

10 SEC

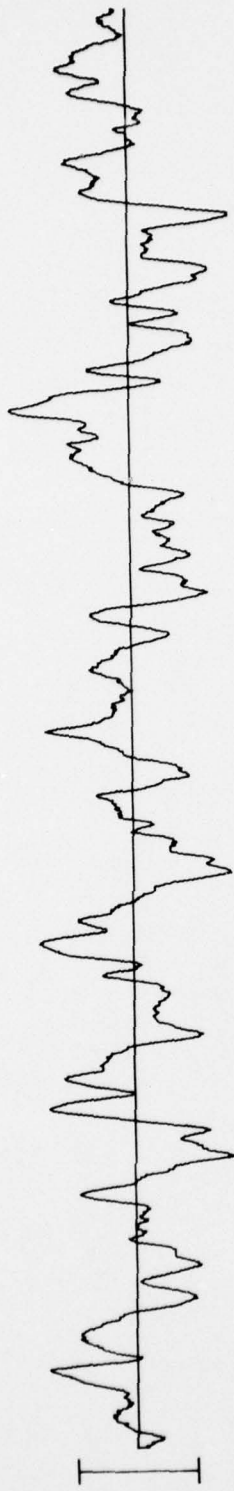
HN-ME 19 FEB 77

23:43:00.0

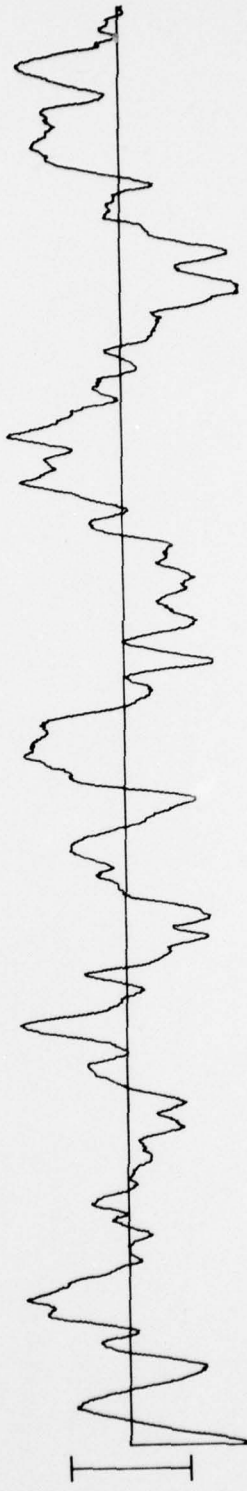
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41.36 MU



SPR
24.87 MU



SPT
30.84 MU



10 SEC