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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT.
EASTERN KASHMIR, 28 APRIL 1975

J. R. Woolson, et al

Teledyne Geotech

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Eastern Kashmir, 28 April 1975**

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October 1975

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

SDCS Event Report No. 28

Eastern Kashmir, 28 April 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:

	Origin Time	Latitude	Longitude	m_L	M_S
NORSAR	11:06:47	36 N	079 E	5.5	N/A
LASA	11:07:03	39.9N	078.1E	5.5	N/A
PDE	11:06:44	<u>35.8N</u>	079.9E	5.8	6.3
Hagfors Array, Sweden	11:07:03	38 N	077 E	5.6	6.1

Using SDCS stations, LASA and NORSAR, the epicenter location and magnitudes become

11:06:37.8 35.3N 079.6E 5.5 5.8

All SDCS stations were operational during this period.

Short-period signals associated with this event were recorded at WH2YK, RK-ON, LASA and NORSAR. High level background noise prevented definite determination of signal arrivals at HN-ME, FN-WV and CPSO. Horizontal channels at FN-WV were not rotated due to unknown instrument orientation.*

Long-period signals were recorded at all SDCS stations. At HN-ME the LP transverse channel operated at an unknown gain. Horizontal channels at FN-WV were not rotated due to unknown instrument orientation.* Horizontal channels at WH2YK were not rotated due to signal clipping. LP array beam data were unrecoverable.

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.

*Due to operational problems the instrument hole lock was repositioned and the known orientation lost. Situation corrected 24 May 75 when the instrument was moved to a new borehole.

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STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	NN 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

HYPOCENTER DETERMINATION

INPUT FOR EVENT 28 APR 75
 11:06:47.0 36.000N 79.000E 0KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CAIC	REST		
NAC	11 15 30.4	0.1	-0.0	49.7	323.2
WH2YK	11 18 49.3	0.1	0.0	80.2	16.5
RK-CN	11 19 57.0	0.3	0.2	94.0	355.7
IAC	11 20 16.0	-0.2	-0.2	98.2	4.0

67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LCNG.	DEPTH (KM)	SDV	IT	STA
NO CONVERGENCE	CN	CAIC	RUN			
11:06:58.2	36.148N	79.483E	130. CAIC	0.2	16	4
11:06:37.8	35.304N	79.594E	0. REST	0.1	3	4

CAIC			REST		
1	.	2	1	.	2
0	0.	0	0	0.	0
0	0.	0	0	0.	0
0	0.	0	0	0.	0
0	0.	0	0	0.	0

CHI2 COVERAGE ELLIPSE; 95 PER CENT CONF..LEVEL, SDV= 0.94
 MAJCF 332.1KM. MINOR 54.7KM. AZ= 12 AREA= 57093 SQ.KM. FST

DATA SUMMARY

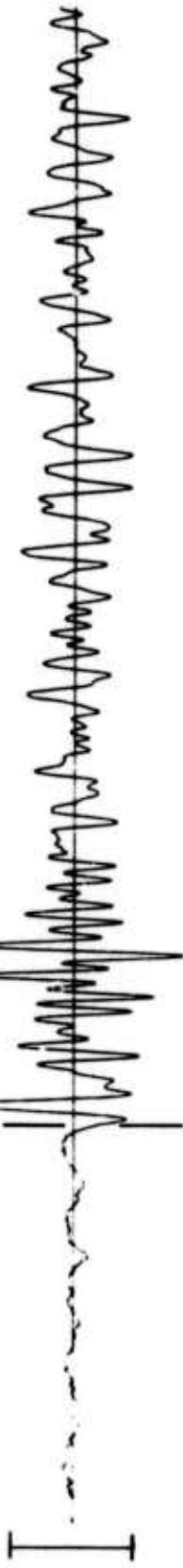
INPUT FOR EVENT 28 APR 75
 11:06:47.0 36.000N 79.000E 0KM.

STA.	PHASE	ARRIVAL		INST	PER	A/T	MAGNITUDE		DIP	DIST
		TIME					MB	MS		
NAC	EP	11 15	30.4	AP	0.7	121.	5.51			49.7
WH2YK	EP	11 18	49.3	SPZ	1.0	102.	5.43			80.2
WH2YK	LR	11 57	28.0	LPZ	22.0	523.		5.74		80.2
HN-ME	LR	12 06	03.0	LPZ	20.0	330.		5.61		93.8
SK-CN	EP	11 19	57.0	SPZ	0.8	28.	5.25			94.0
SK-CN	LQ	11 56	03.0	LPT	30.0	621.				
SK-ON	LR	12 03	44.0	LPZ	23.0	744.		5.96		94.0
LAC	EP	11 20	16.0	AP	1.3	58.	5.96			98.2
FN-WV	LR	12 11	41.0	LPZ	22.0	CLIPPED				104.0
CPC	LQ	12 00	58.0	LPT	34.0	677.				
CFC	LR	12 12	16.0	LPZ	22.0	674.		5.98		108.1

ORIGIN LAT. LONG. DEPTH (KM) MAG SDV STA LPMAG LPSDV LPSTA
 11:06:37.8 35.304N 79.594E 0. REST 5.54 0.30 4 5.83 0.2 4

WH2YK 28 APR 75

11:18:49.3



**SPZ
69.74 MP**



**SPR
22.00 MP**



**SPT
20.00 MP**

TIME



10 SEC

11:19:10

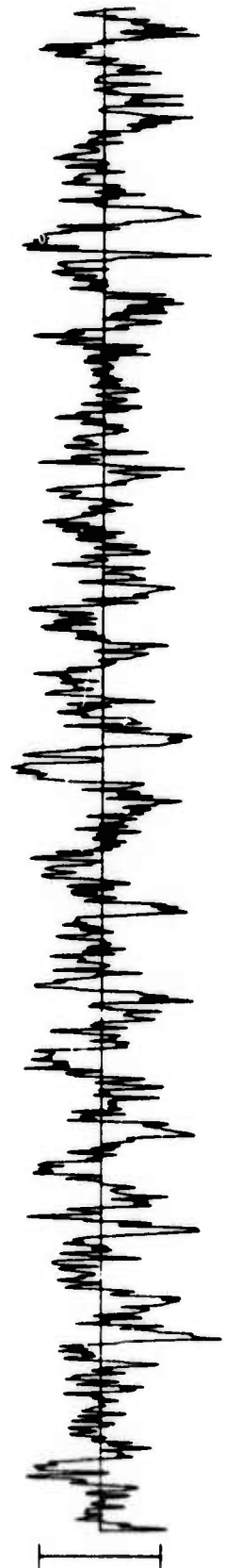
HN-ME 28 APR 75



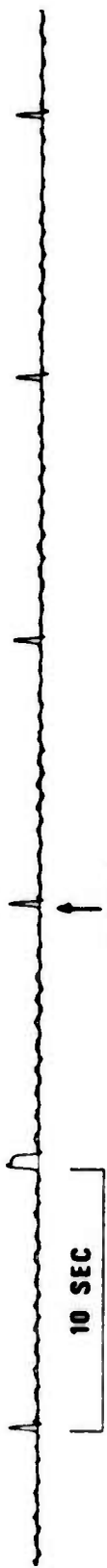
SPZ
20.90 MP



SPR
13.52 MP



SPT
23.68 MP

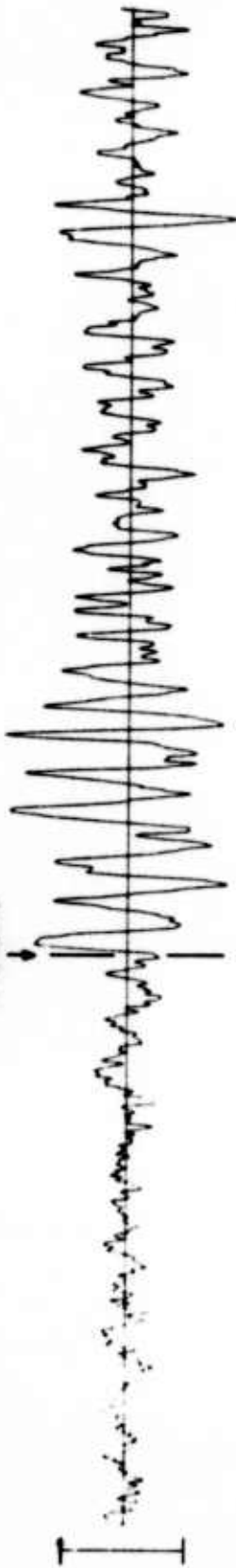


TIME

RK-ON 28 APR 75

11:18:57.0

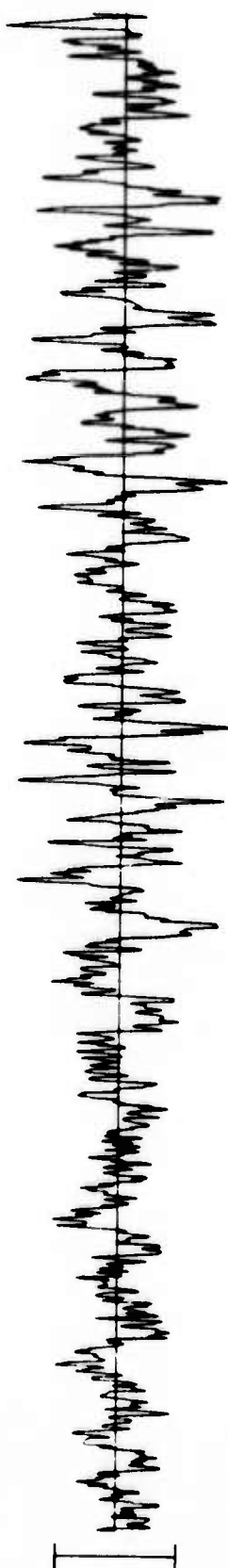
SPZ
20.87 MP



SPR
8.11 MP



SPT
18.81 MP



TIME

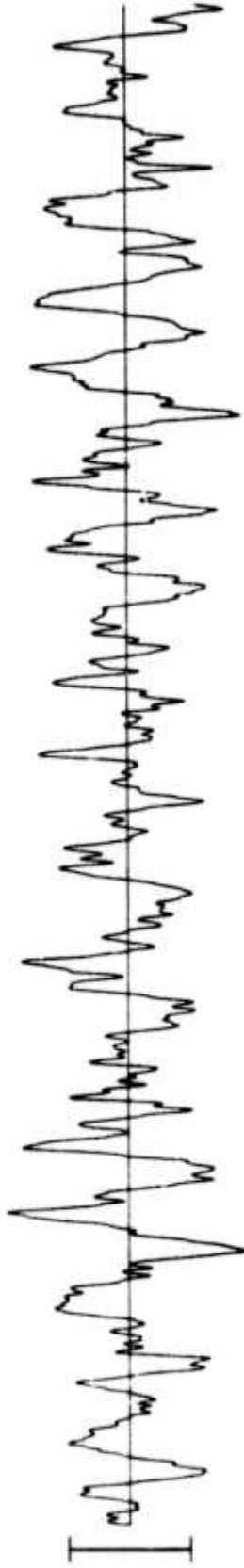


11:20:10

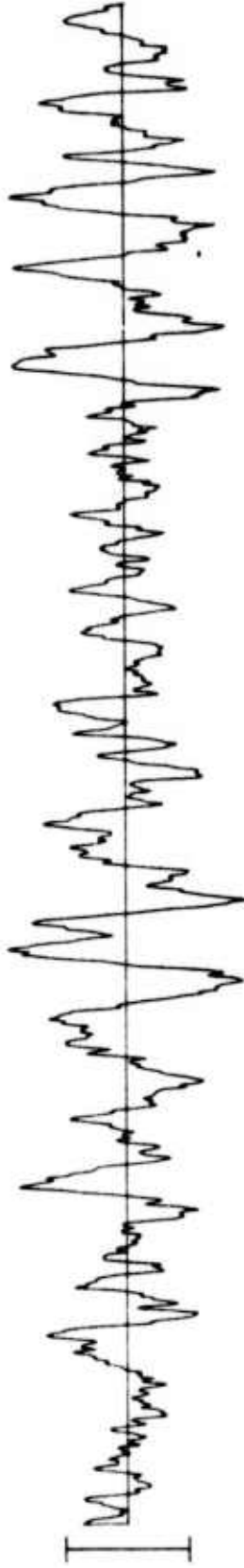
7.

FN-WV 28 APR 75

**SPZ
6.91 Mp**



**SPR
7.22 Mp**



**SPT
6.02 Mp**



↑
11:20:11.3

10 SEC

CPSO 28 APR 75



SPT
5.28 Mμ



SPR
10.71 Mμ



SPZ
7.71 Mμ



TIME

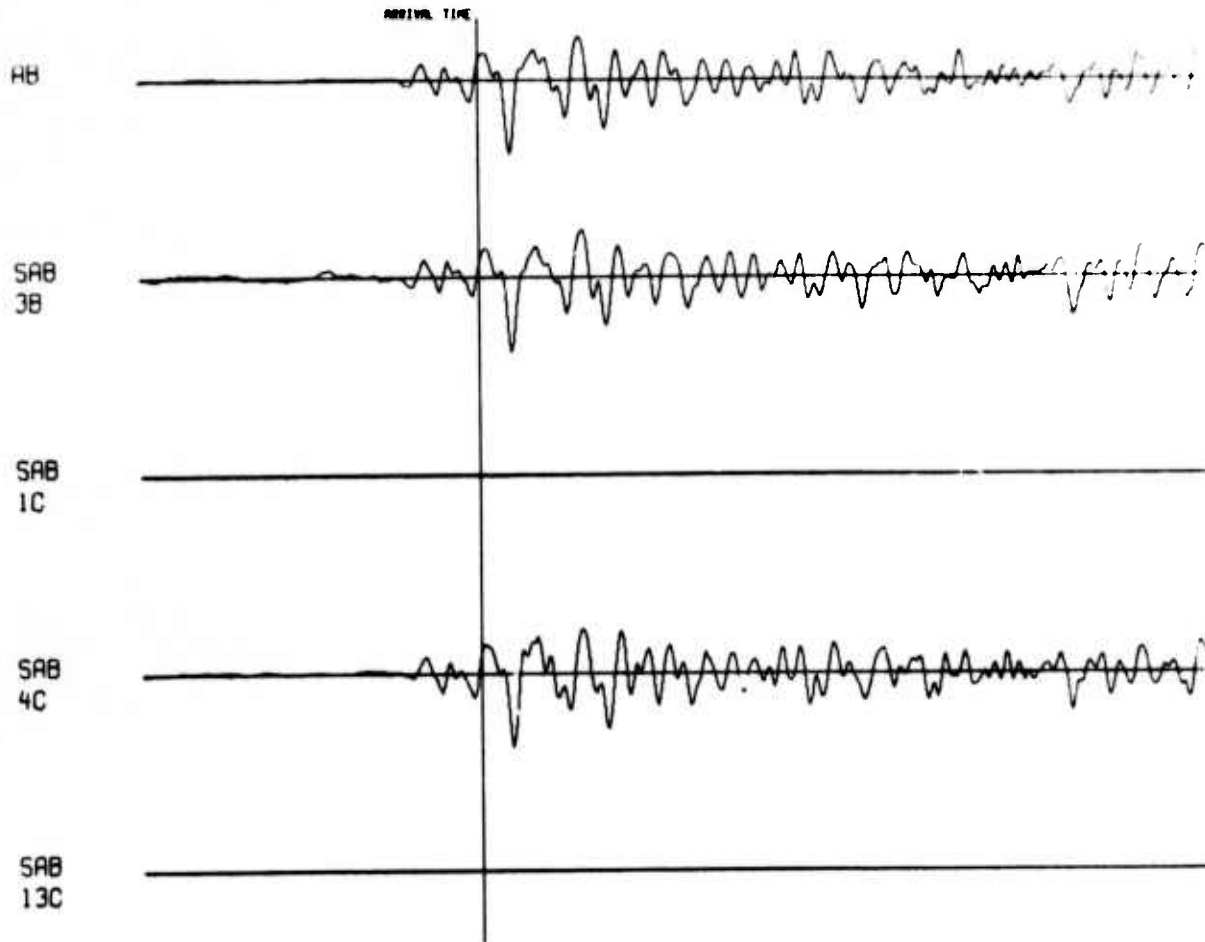
NORSAR EVENT FILE

1975 APR 28

EPX NO. 4140 ARR. 11.15.33.8 35.5 N 078.6 E 5.4 MB-OKM

DIST = 0.0 AZI = 0.0 AMP = 95.4 PER = 1.7 UMETH 2

SCALE  = 5 SECONDS



LASA

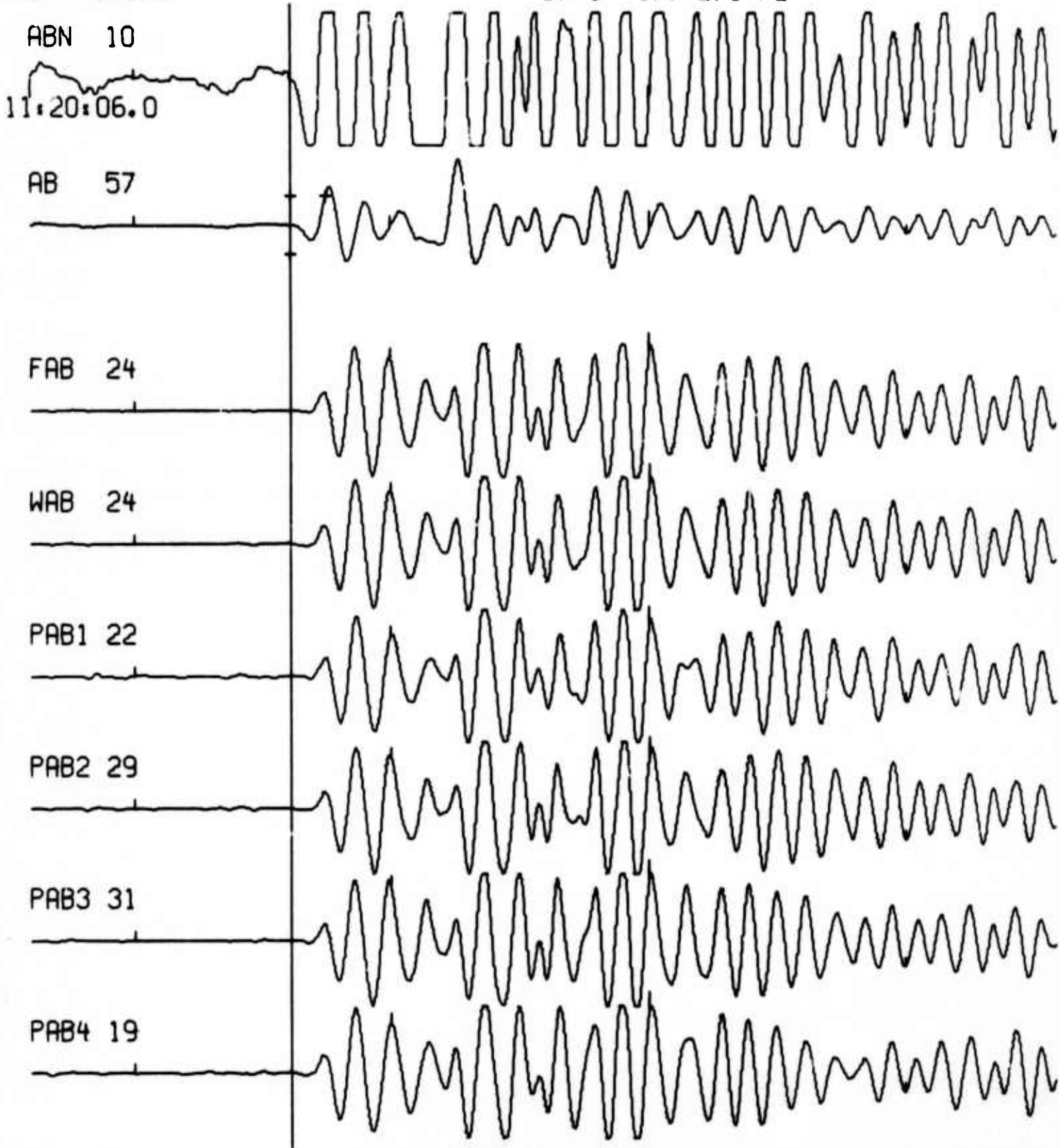
1 28 APR 1975

2 11 7 3 39.9N 78.1E 33C C 5.5 321 SOUTHERN SINKIANG PROV.

3 11 20 16.0 LB1 P 26.4 1.4 24.2 93.8 356.7

EPX 53870

BP-B 0.6-2.0 HZ

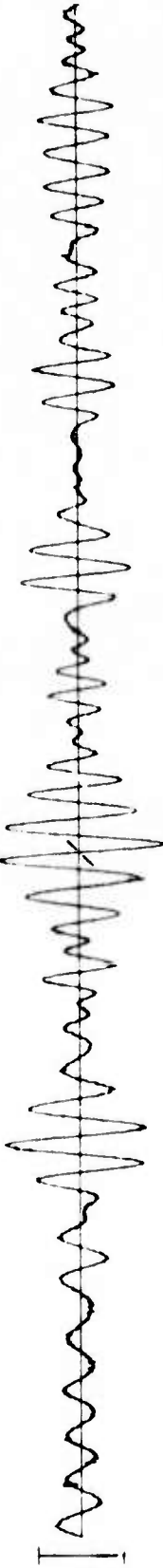


10 SEC

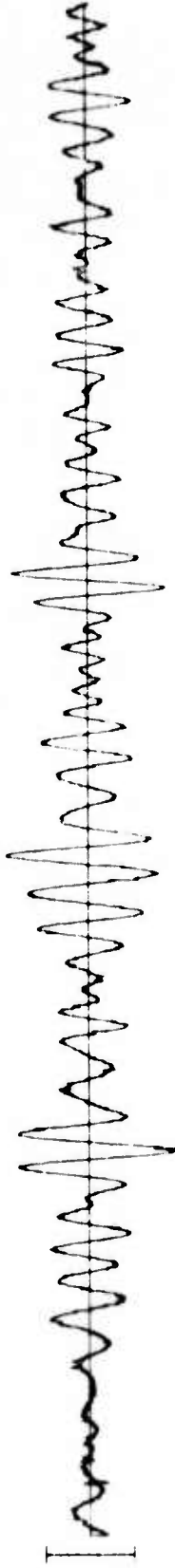
WHZYK 28 APR 75

11:57:28

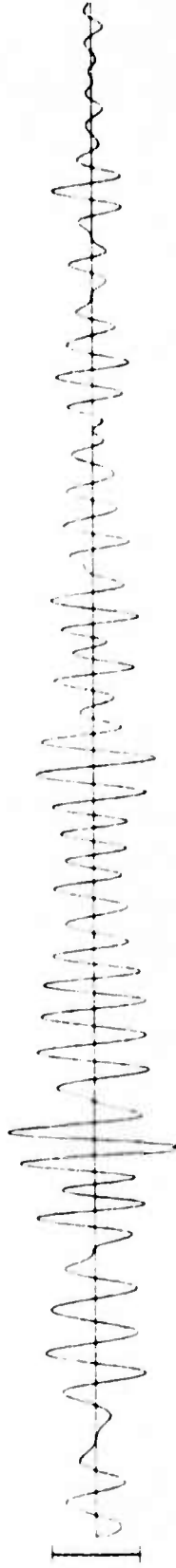
LPT
0021.06 MP



LPT
0201.70 MP



LPT
0313.15 MP



TIME



2 MIN

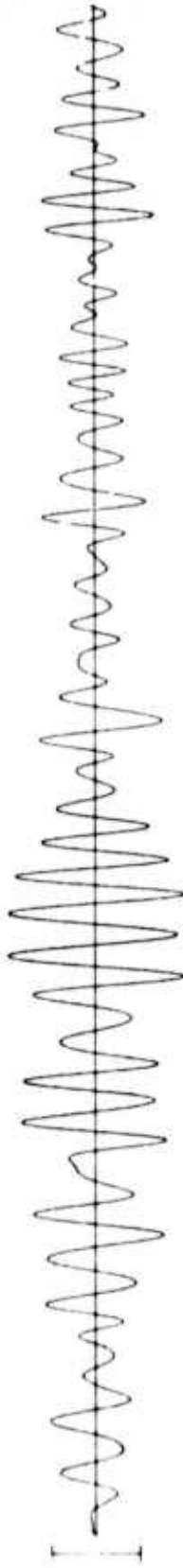
12

HH-ME 28 APR 75

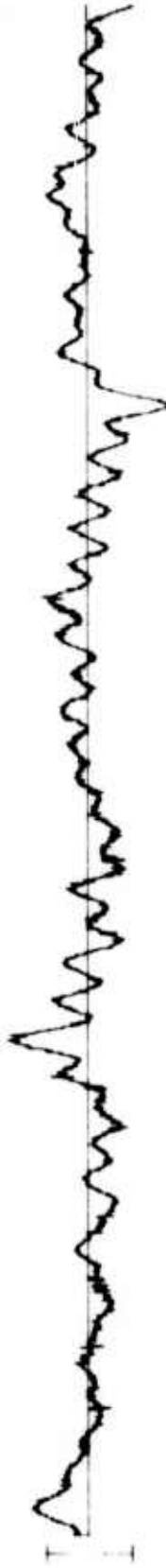
LPT
4070.01 MP



LPT
3300.10 MP



LPT
UNKNOWN



TIME

2 MIN

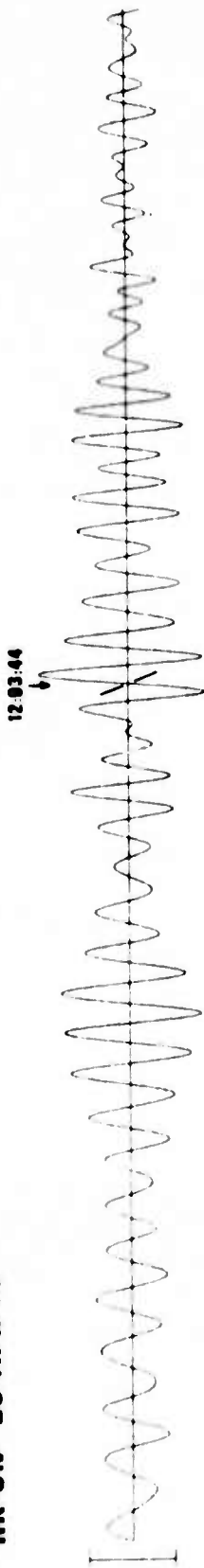
INSTRUMENTS NOT RESPONDING PROPERLY

12:04:00

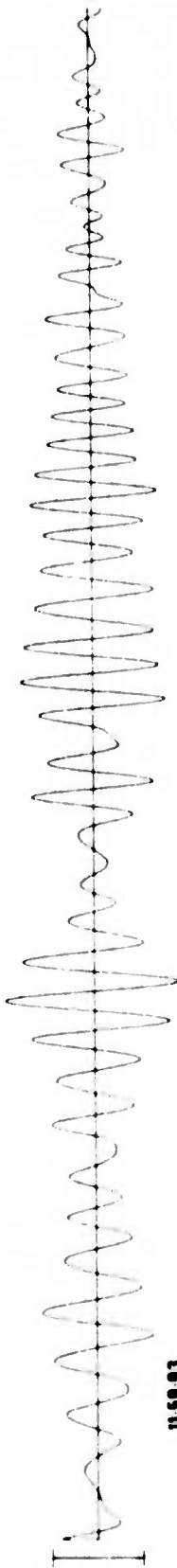
13.

RK-ON 28 APR 75

LPT
0102.00 MHz



LPR
0210.00 MHz



LPT
0210.70 MHz



TIME

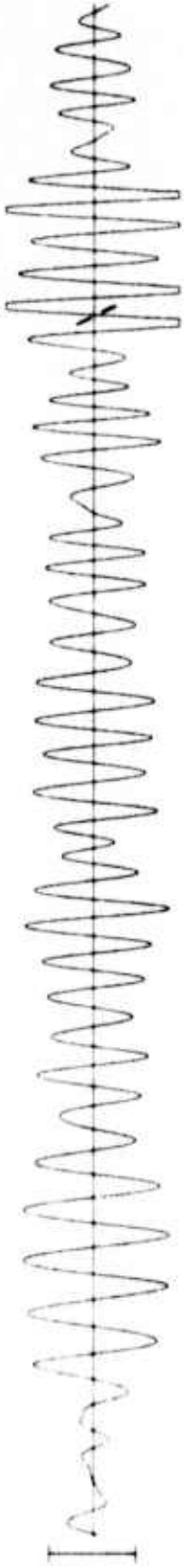
2 MIN

14.

FN-WV 28 APR 75

LPZ
4165.84 MHz

12:11:41



LPR
38238.28 MHz



LPT
17087.41 MHz

11:58:38

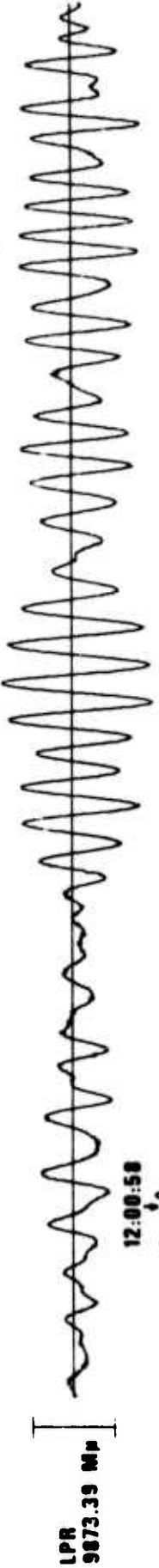


2 0010

15

CPSO 28 APR 75

12:12:16



[2 MIN]

16.