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SPECIAL DATA COLLECTION SYSTEM (SDCS) EVENT REPORT,
KASHMIR-TIBET BORDER REGION, 19 MAY 1975

K. J. Hill, et al

Teledyne Geotech

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**SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Kashmir-Tibet Border Region, 19 May 1975**

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January 1976

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SDCS EVENT REPORT No. 53

Kashmir-Tibet Border Region, ^{event on} 19 May 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: *given*

	"P" Arrival	Origin Time	Lat.	Long.	m_b	M_s
NORSAR	19:56:40.2	19:47:52	36 N	081 E	5.4	N/A
LASA	20:01:21.5	19:47:48	35.5N	078.7E	6.0	N/A
PDE		19:47:46.2	35.2N	080.8E	N/A	N/A
Hagfors	19:56:30.4	19:48:01	39 N	082 E	5.7	5.2

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

19:47:43.8 35.4N 080.7E 5.3 4.8

All SDCS stations were operational during this period.

Short-period signals associated with this event were recorded at WH2YK, HN-ME, LASA and NORSAR. RK-ON, FN-WV and CPSO did not record short-period "P" arrivals and were not included in this report. Horizontal SP channels at WH2YK and HN-ME were rotated.

Long-period signals were recorded at WH2YK, RK-ON, FN-WV, CPSO, ALPA, LASA and NORSAR. HN-ME did not record long-period signal arrivals and was not included in this report. Horizontal LP channels at WH2YK, RK-ON, and CPSO were rotated. Horizontal LP channels at FN-WV were not rotated due to unknown instrument orientation.* Validity of the ALPA, LASA and NORSAR long-period vertical beams is questionable and horizontal beams were not included because of program recovery problems.

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.

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

HYPOCENTER DETERMINATION

INPUT FOR EVENT 19 MAY 75
 19:47:48.0 35.500N 78.700E 0KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CAIC	REST	REST	REST
NAO	19 56 40.2	-0.0	-0.0	50.2	323.2
WH2YF	19 59 53.5	0.0	0.0	79.9	17.0
HN-ME	20 01 03.2	0.0	0.0	94.1	338.8
IAC	20 01 21.5	-0.0	-0.0	98.1	4.8

67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
NO CONVERGENCE ON CAIC RUN						
19:47:58.4	35.917N	80.643E	93. CAIC	0.0	16	4
19:47:43.8	35.380N	80.728E	0. REST	0.0	3	4

CAIC				REST			
1	2	0		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	0			0	0		

CHI2 COVERAGE ELLIPSE; 95 PER CENT CONF..LEVEL, SDV= 0.94
 MAJCF 225.6KM. MINCF 54.4KM. AZ= 10 AREA= 38527 SQ.KM. REST

DATA SUMMARY

INPUT FOR EVENT 19 MAY 75
 19:47:48.0 35.500N 78.700E OKM.

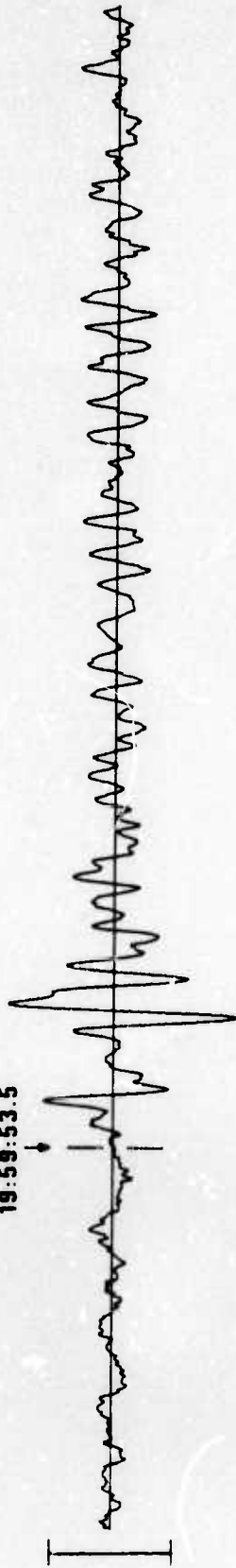
STA.	PHASE	ARRIVAL		INST	PER	A/T	MAGNITUDE		DIR	DIST
		TIME					ME	MS		
NAC	EP	19 56	40.2	AE	1.0	139.	5.54			50.2
NAC	LR	20 18	33.0	IPZ	23.0	19.		4.10		50.2
AIFA	IR	20 35	56.0	IPZ	20.0	44.		4.63		72.9
WH2YK	EP	19 59	53.5	SPZ	0.8	19.	4.69			79.9
WH2YK	IQ	20 32	36.0	IPT	25.0	52.				
WH2YK	LR	20 36	40.0	LPZ	22.0	70.		4.87		79.9
RK-ON	LR	20 47	11.0	LPZ	21.0	151.		5.27		94.0
HN-ME	EP	20 01	03.2	SPZ	1.0	21.	5.13			94.1
LAC	EP	20 01	21.5	AB	1.6	32.	5.71			98.1
LAC	LR	20 48	29.0	LPZ	22.0	41.		4.72		98.1
FN-WV	LR	20 52	59.0	LPZ	20.0	57.		4.89		104.2
CPO	LR	20 57	33.0	LPZ	18.0	85.		5.08		108.2

ORIGIN IAT. LONG. DEPTH (KM) MAG SDV STA LPMAG LPSDV LPSTA
 19:47:43.8 35.380N 80.728E 0. REST 5.27 0.46 4 4.80 0.4 7

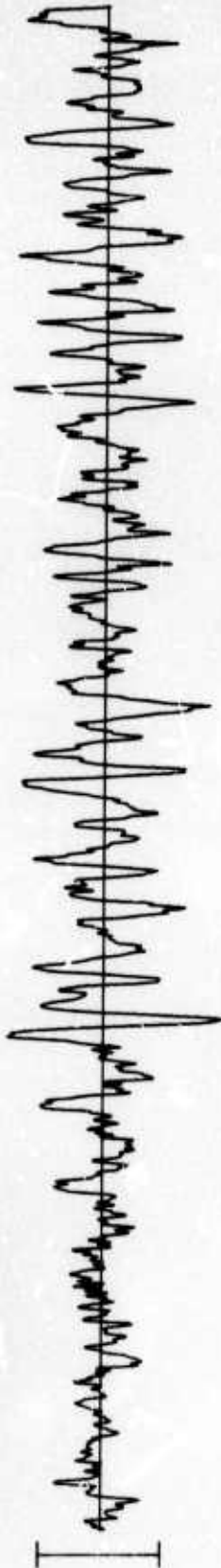
WH2YK 19 MAY 75

**SPZ
25.53 M μ**

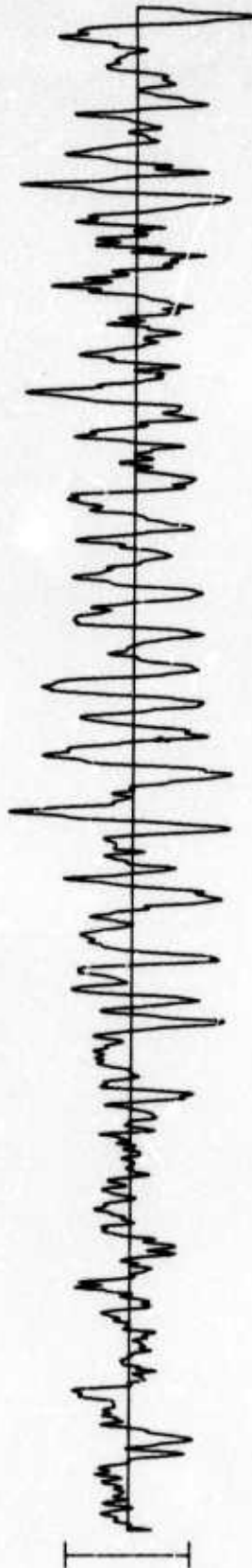
19:59:53.5



**SPR
8.83 M μ**



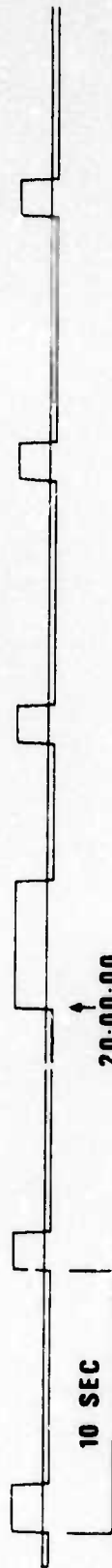
**SPT
10.68 M μ**



TIME

10 SEC

20:00:00

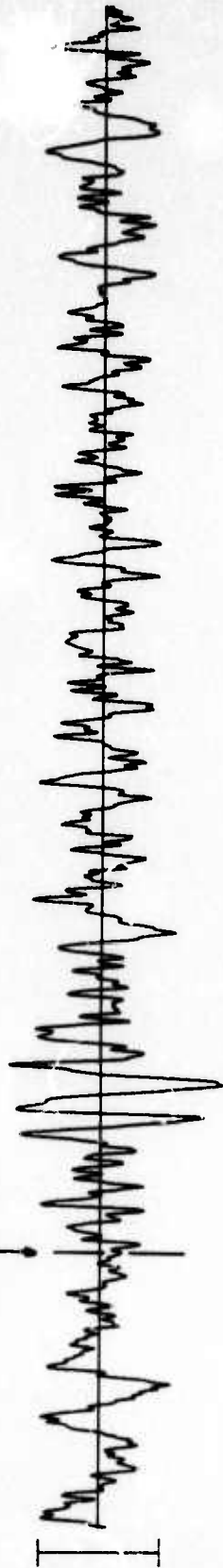


5

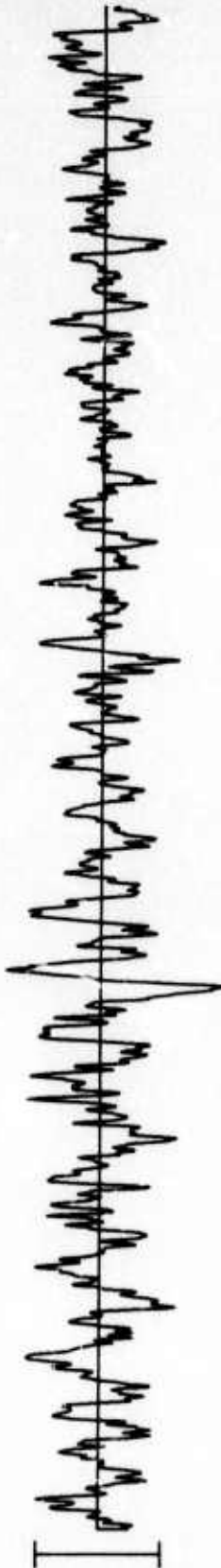
HN-ME 19 MAY 75

20:01:03.2

**SPZ
14.00 MP**



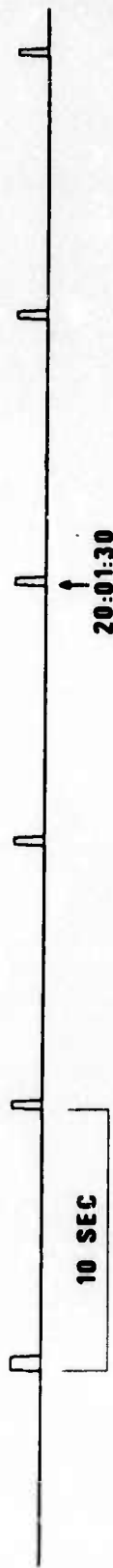
**SPR
10.32 MP**



**SPT
5.20 MP**



TIME



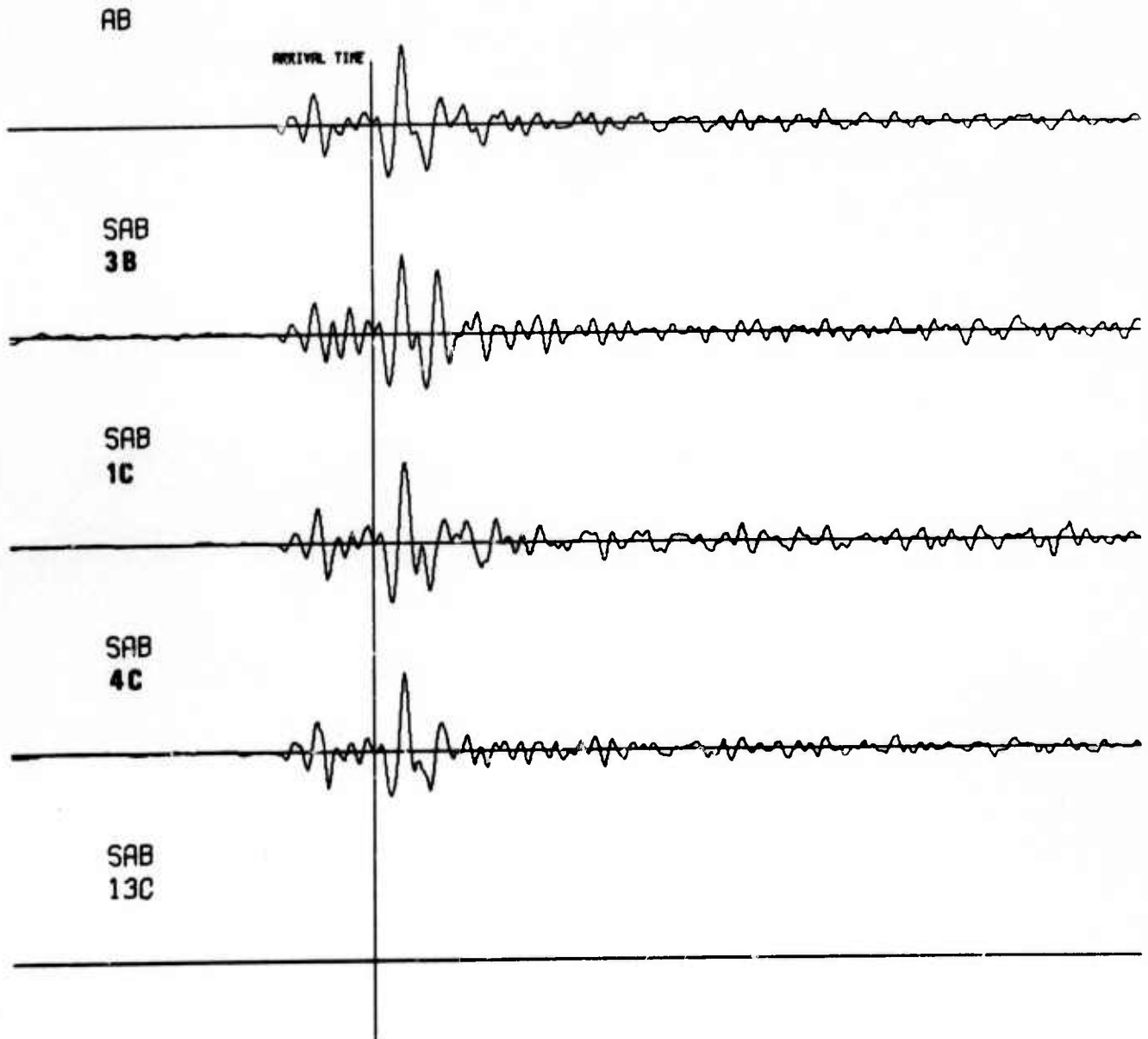
NORSAR EVENT FILE

1975 MAY 19

EPX NO. 50900 ARR. 19.56.44.2 35.8N 80.6E 5.3MB 33KM

DIST = 49.8 AZI = 87.0 AMP = 63.0 PER = 1.2

—|—| = 5 SECONDS



LASA

1 19 MAY 1975
2 19 47 48 35.5N 78.7E 33C D 4.8 302 EASTERN KASHMIR
3 20 1 21.5 LAO P 1.4 0.9 24.9 98.2 356.0

EPX 96506

BP-B 0.6-2.0 HZ

ABN 5.2

20:01:11.5

AB 21

FAB 12

PAB1 11

PAB2 14

PAB3 14

PAB4 9.6

10 SEC

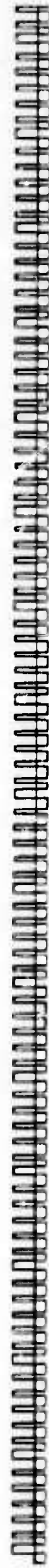
-8-

WH2YK 19 MAY 75

20:30:49



20:32:36



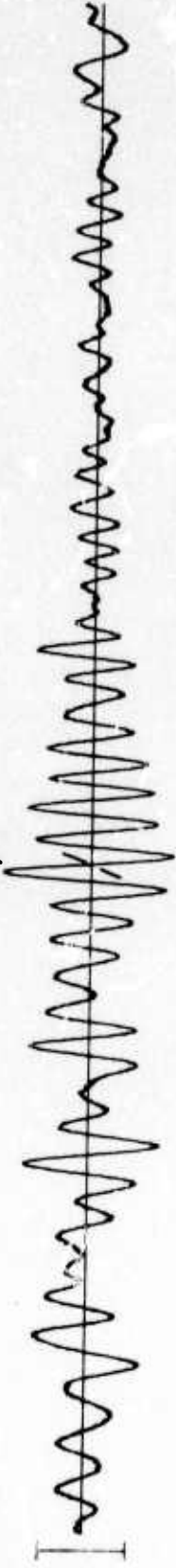
2 MIN

20:35:00

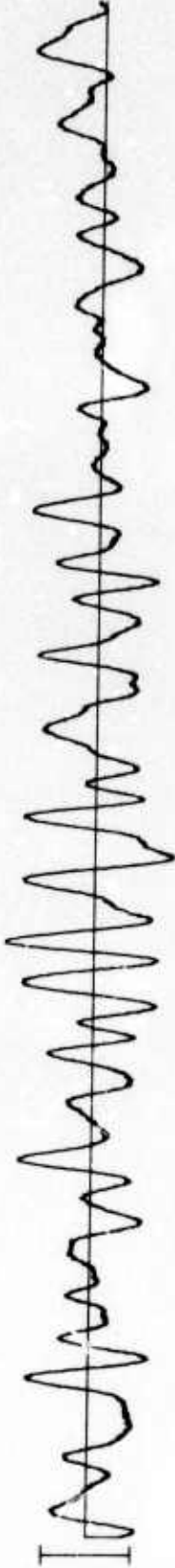
RK-CN 19 MAY 75

20:47:11

Lpz
1656.11 MHz



LPr
2667.46 MHz



LPT
4667.96 MHz



101

TIME

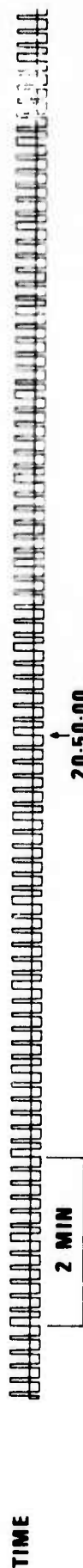
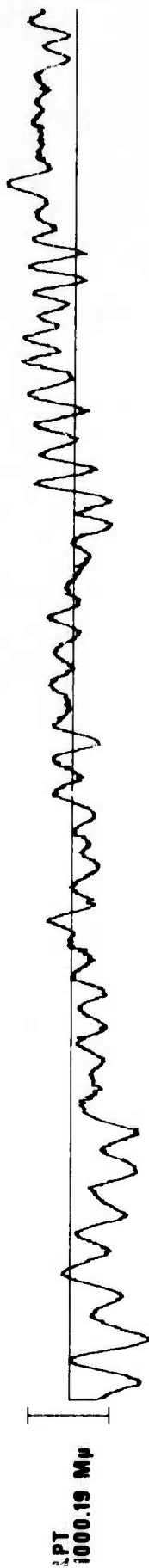
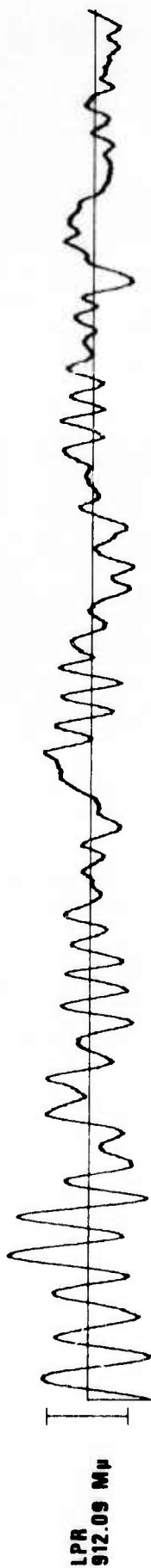
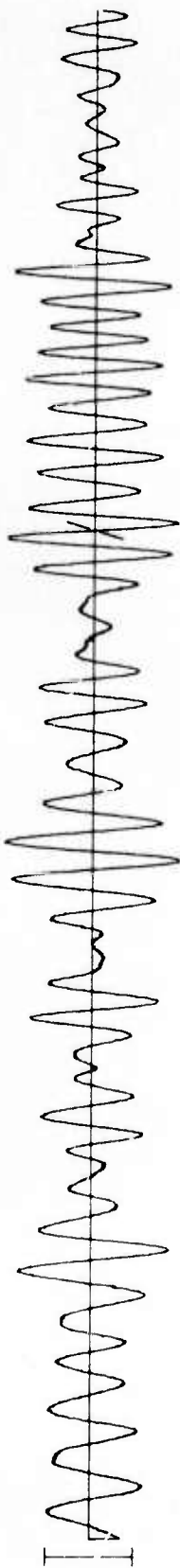


2 MIN

20:50:00

FN-WV 19 MAY 75

20:52:59



- // -

CPSO 19 MAY 75

LPZ
687.37 MHz

20:57:33



LPR
877.79 MHz



LPT
600.64 MHz



1/2

TIME



2 MIN

20:55:00

ARRAY LONG PERIOD VERTICAL BEAMS 19 MAY 75

