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SPECIAL DATA COLLECTION SYSTEM (SDCS) EVENT REPORT,  
NTS EVENT 'CANEMBERT', 26 JUNE 1975

J. R. Woolson, et al

Teledyne Geotech

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**SPECIAL DATA COLLECTION SYSTEM EVENT REPORT**  
**NTS Event "CAMEMBERT", 26 June 1975**

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**September 1975**

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Unclassified

SDCS Event Report No. 25

NTS Event "CAMEMBER", 26 June 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	$m_b$	$M_s$
NORSAR	Not reported				
LASA	12:29:48	37.0N	118.0W	6.1	N/A

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

12:30:03	37.4N	116.3W	6.0	5.7
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Short-period signals associated with this event were recorded at all SDCS stations and LASA. NORSAR short-period data was not recoverable from Seismic Data Analysis Center recordings.

Long-period signals were recorded at all SDCS stations and LASA. LP array beam data was unrecoverable.

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

## 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
CPPO	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 26 JUN 75  
12:30:00.0 37.000N 116.000W 0KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CALC	REST		
LAC	12 32 53.1	0.0	0.2	11.9	35.5
RK-CN	12 34 46.3	-0.0	-0.3	21.0	42.9
CFC	12 35 24.4	0.0	0.2	24.7	84.8
WH2YK	12 35 37.7	-0.0	0.0	26.2	339.1
FN-WV	12 36 02.2	-0.1	-0.0	28.9	76.3
HN-ME	12 37 09.2	0.1	-0.2	36.6	60.5

## 67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LCNG.	DEPTH (KM)	SDV	IT	STA
12:30:07.8	37.492N	116.190W	32. CALC	0.0	3	6
12:30:02.6	37.373N	116.270W	0. REST	0.2	3	6

CALC

1	.	0
C	.	0
0	0.	3 2
.	.	.
0	0.	0 0
0	.	0
0	.	0

REST

1	.	0
0	.	0
C	0.	3 2
.	.	.
0	0.	0 0
0	.	0
0	.	0

CHI2 COVERAGE ELLIPSE; 95 PER CENT CONFD..LEVEL, SDV= 1.75  
MAJOR 68.0KM. MINOR 41.1KM. AZ= 34 AREA= 8782 SQ.KM. REST

# DATA SUMMARY

INPUT FOR EVENT 26 JUN 75  
12:30:00.0 37.000N 116.000W 0KM.

STA.	PHASE	ARRIVAL		INST	PER	A/T	MAGNITUDE		DIR	DIST
		TIME					MB	MS		
IAC	M EP	12 32 53.1		AB	1.0	348.	6.35			11.9
IAC	LR	12 37 52.0		LPZ	14.0	??				11.9
PK-CN	EP	12 34 46.3		SPZ	1.0	3196.	6.30			21.0
PK-CN	LQ	12 42 34.0		LPT	14.0	599.				
PK-CN	LR	12 43 36.0		LPZ	15.0	1699.		5.67		21.0
CFC	EP	12 35 24.4		SPZ	1.0	1313.	6.26			24.7
CFC	LQ	12 44 43.0		LPT	19.0	2121.				
CFC	LR	12 45 26.0		LPZ	16.0	3063.		6.00		24.7
WH2YK	EP	12 35 37.7		SPZ	1.2	416.	5.74			26.2
WH2YK	LQ	12 44 46.0		LPT	20.0	1012.				
WH2YK	LR	12 46 57.0		LPZ	17.0	1665.		5.76		26.2
FN-WV	EP	12 36 02.2		SPZ	0.8	141.	5.45			28.9
FN-WV	LQ	12 45 56.0		LPT	18.0	1438.				
FN-WV	LR	12 48 02.0		LPZ	18.0	1839.		5.85		28.9
HN-ME	EP	12 37 09.2		SPZ	1.0	1028.	6.25			36.6
HN-ME	LQ	12 49 48.0		LPT	24.0	81.				
HN-ME	LR	12 52 57.0		LPZ	18.0	473.		5.36		36.6

ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA	LP MAG	LP SDV	LP STA
12:30:07.8	37.492N	116.190W	32. CAIC	5.97	0.41	5	5.65	0.3	3
12:30:02.6	37.373N	116.270W	0. REST	6.00	0.39	5	5.65	0.3	3

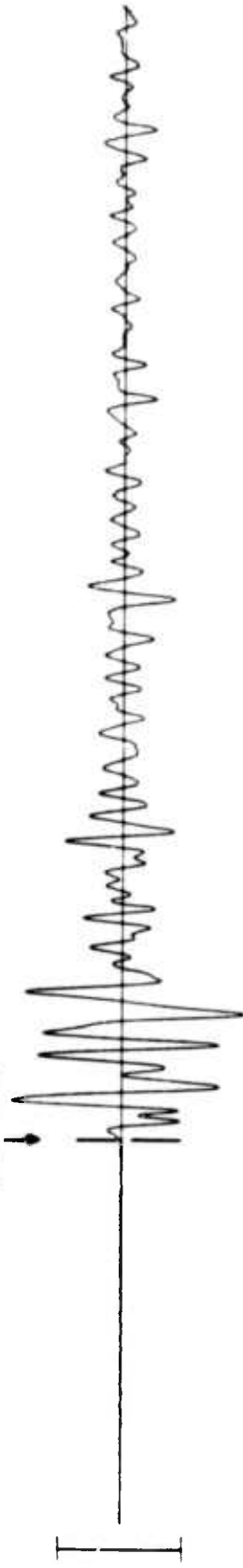
Short-period magnitudes ( $m_b$ ) used in averaging are restricted to those recorded at distances between 20 and 110 degrees from the epicenter.

Average long-period magnitude ( $M_s$ ) is based on Rayleigh wave observations in the period range of 17 to 23 seconds per cycle.

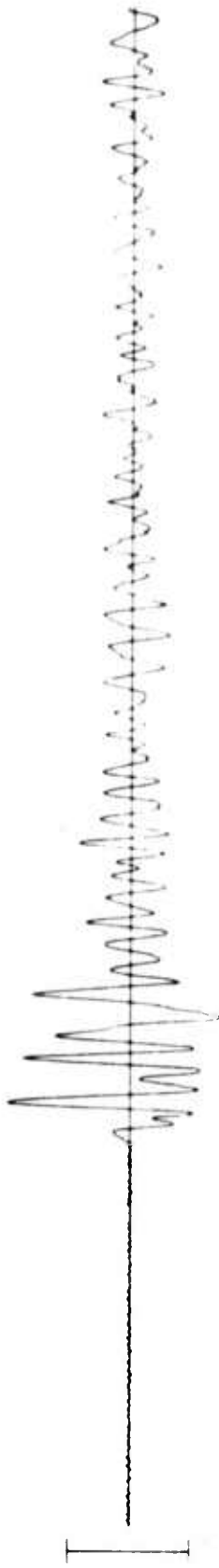
**RK-ON 25 JUN 75**

**SPZ  
1687.73 MHz**

**12:34:46.3**

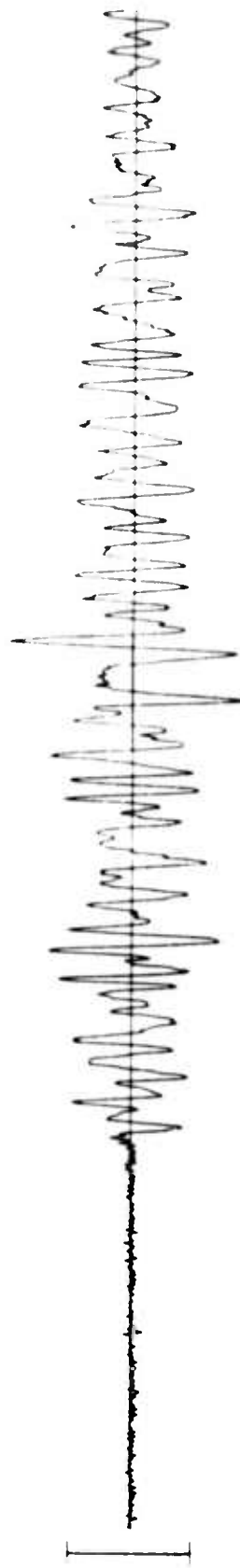


**SPR  
1684.68 MHz**



**6**

**SPT  
526.08 MHz**



**TIME**



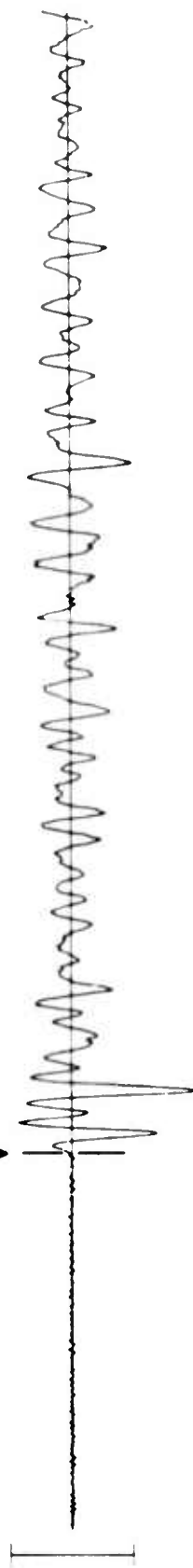
**12:35:00**

**10 SEC**

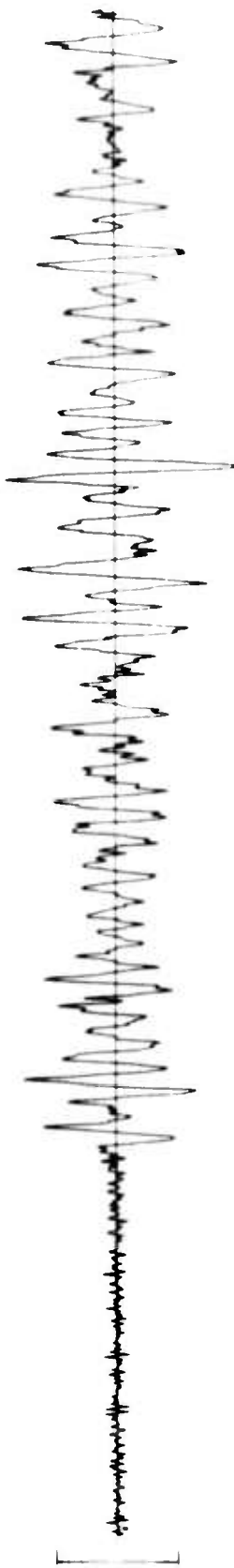
CP-S0 26 JUN 75

SPZ  
980.98 Mμ

12:35:24.4

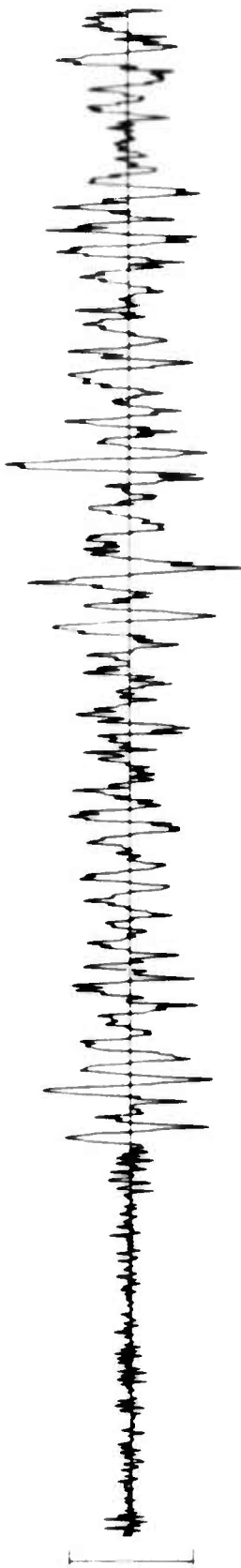


SPR  
229.68 Mμ



2

SPT  
55.76 Mμ



TIME



10 SEC

12:35:50

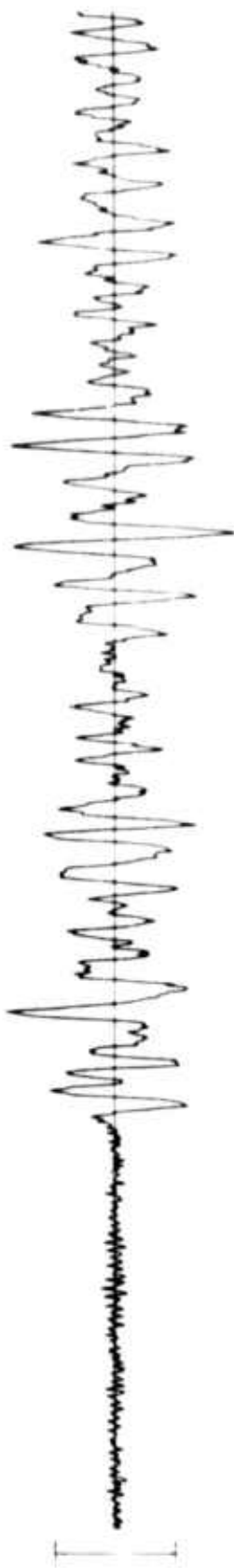
WH2YK 26 JUN 75

12:35:37.7

SPZ  
155.90 Mμ

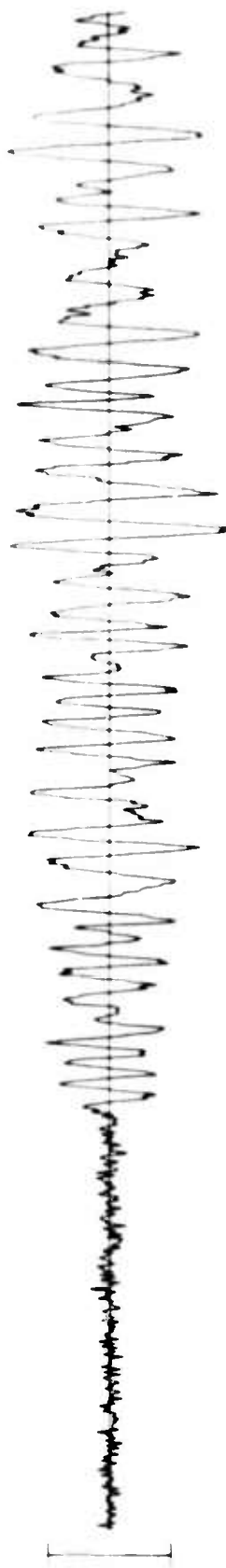


SPR  
118.12 Mμ



∞

SPT  
93.69 Mμ



TIME

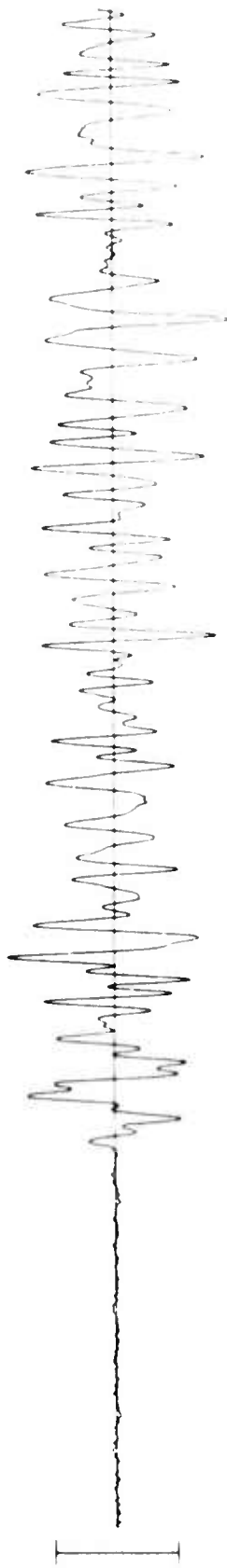


10 SEC

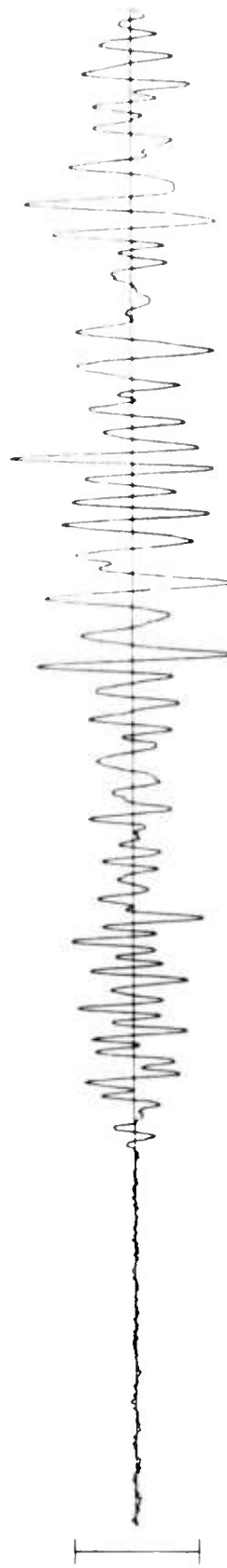
12:35:50

FN-WV 26 JUN 75

12:36:02.0



9



TIME

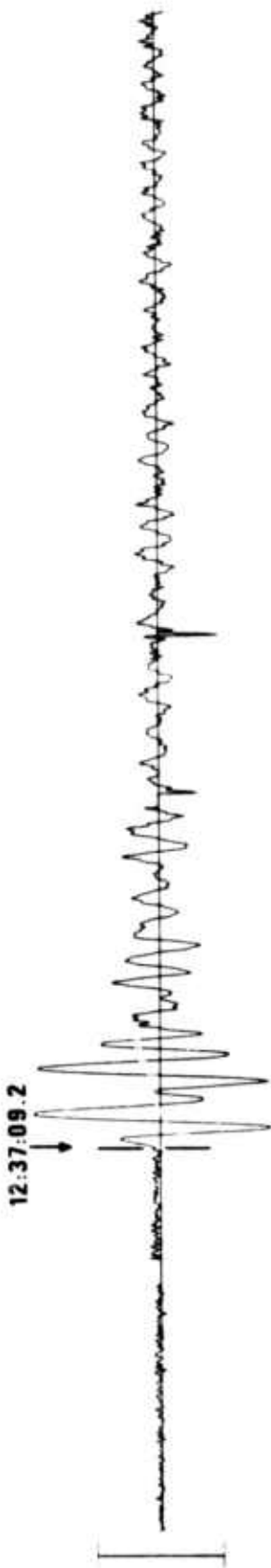


10 SEC

12:36:30

HN-ME 26 JUN 75

SPZ  
544.00 Mμ

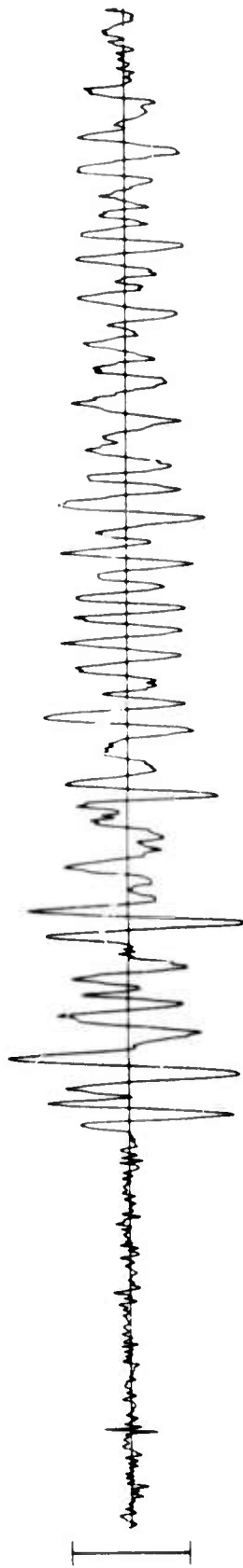


SPR  
367.23 Mμ

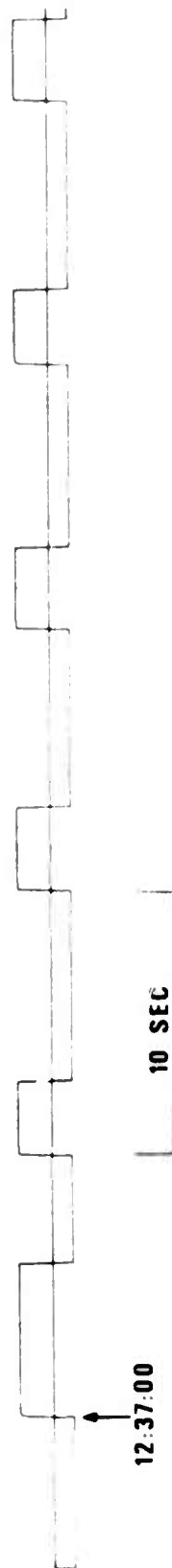


10

SPT  
119.39 Mμ



TIME



# LASA

1 26 JUN 1975

2 12 29 48 37.0N 118.0W

3 12 32 52.8 LAO P

OG D 6.1 40 CALIFORNIA-NEVEDA BORDER  
306.7 0.3 8.3 13.0 226.7

EPX 33091

ABN 28

12:32:42.8

BP-B 0.6-2.0 HZ

AB 650

FAB 730

PAB1 680

PAB2 930

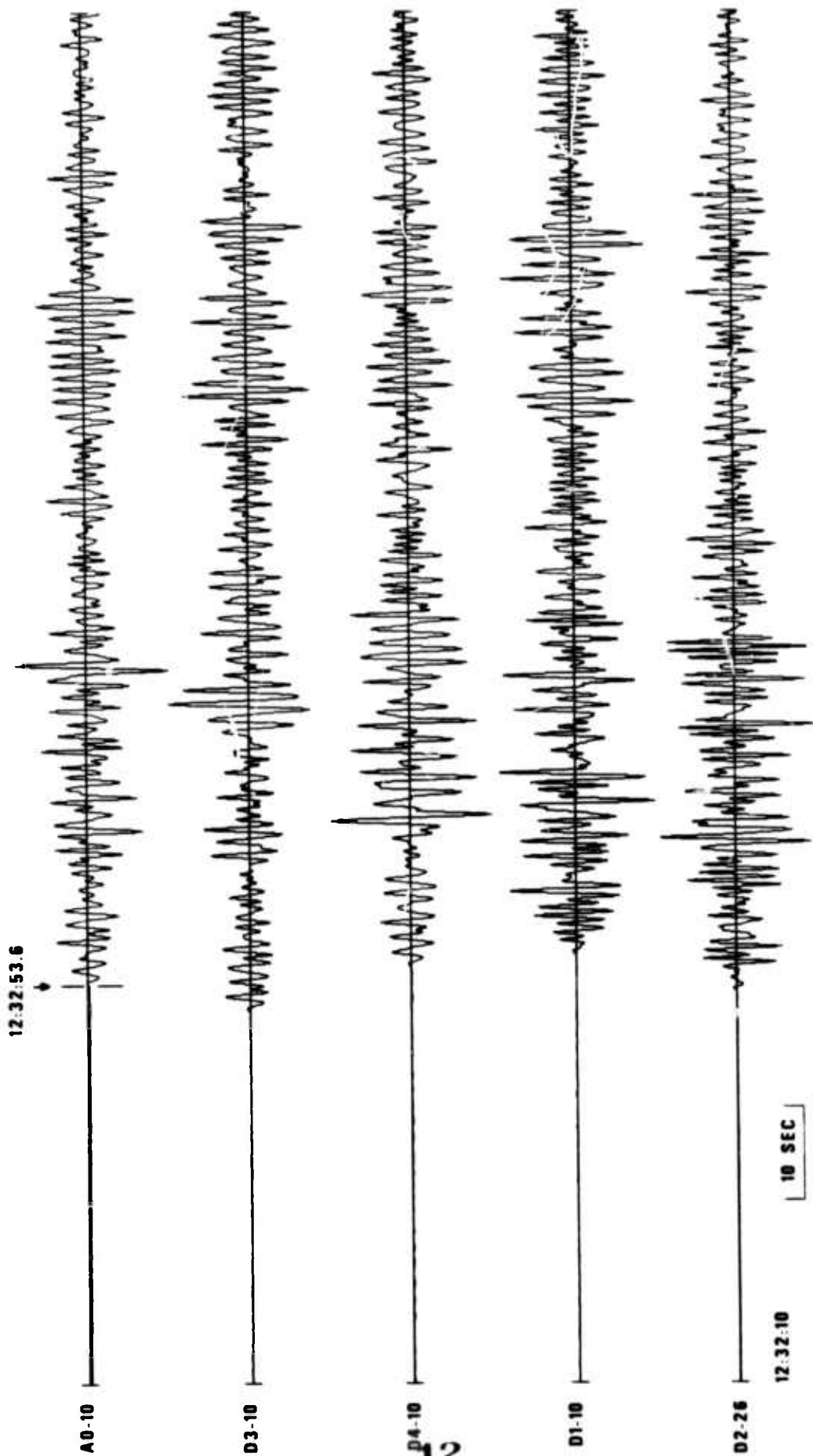
PAB3 730

PAB4 540

11

10 SEC

LASA (INDIVIDUAL SHORT-PERIOD INSTRUMENTS) 26 JUN 75 PADDED SENSORS (-30dB)



(NO AMPLITUDE DETERMINATIONS MADE DUE TO UNRESOLVED SCALING PROBLEMS)

RK-ON 26 JUN 75

LPZ  
8225.58 MHz

12:43:36

LPR  
8228.91 MHz

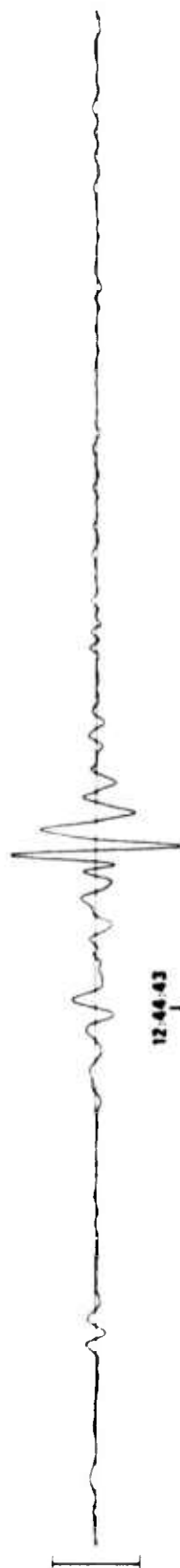
12:42:34

13

LPT  
2383.28 MHz

2 MIN

CP-S0 26 JUN 75



14

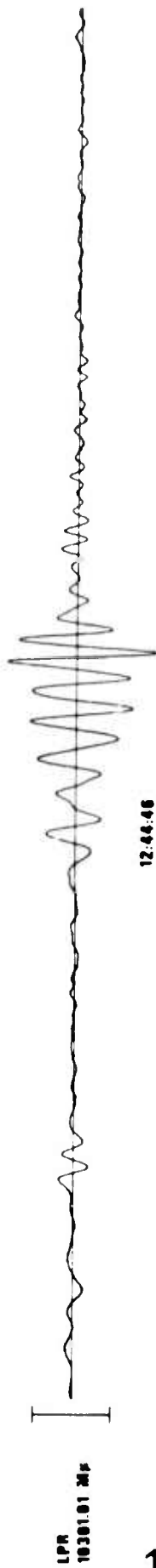


TIME

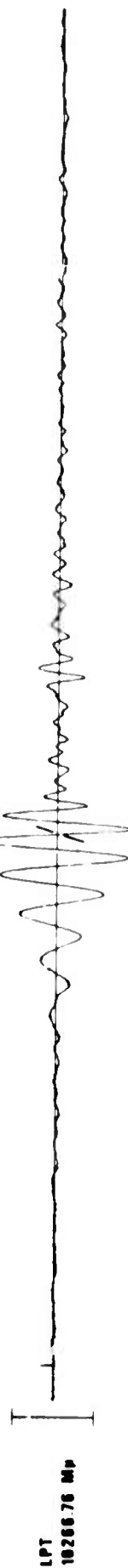
2 MIN

12:46:00

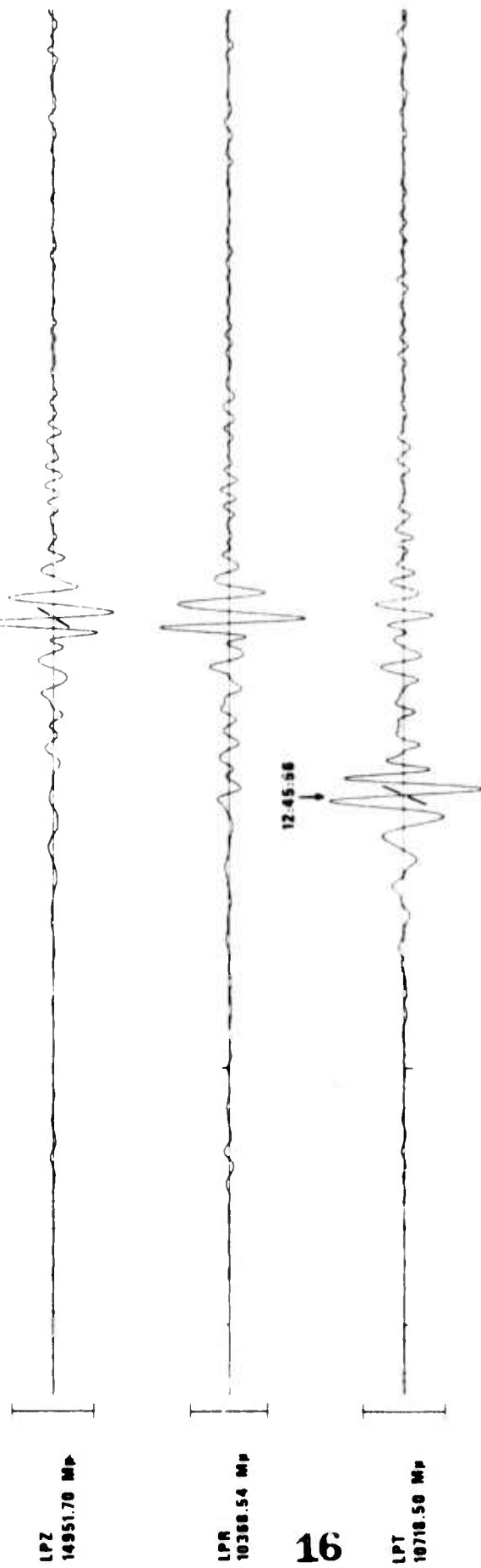
WH2YK 26 JUN 75



15



FN-WV 26 JUN 75

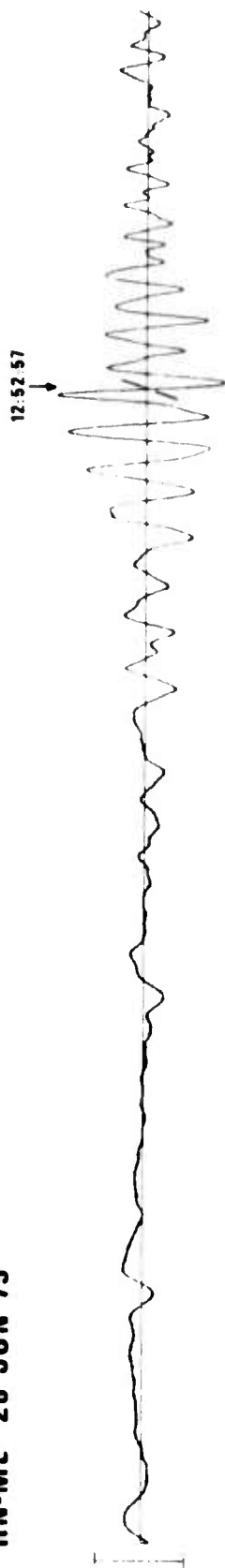


16



HN-ME 26 JUN 75

LPZ  
4017.44 MHz



LPR  
3783.60 MHz



17

LPT  
1658.50 MHz



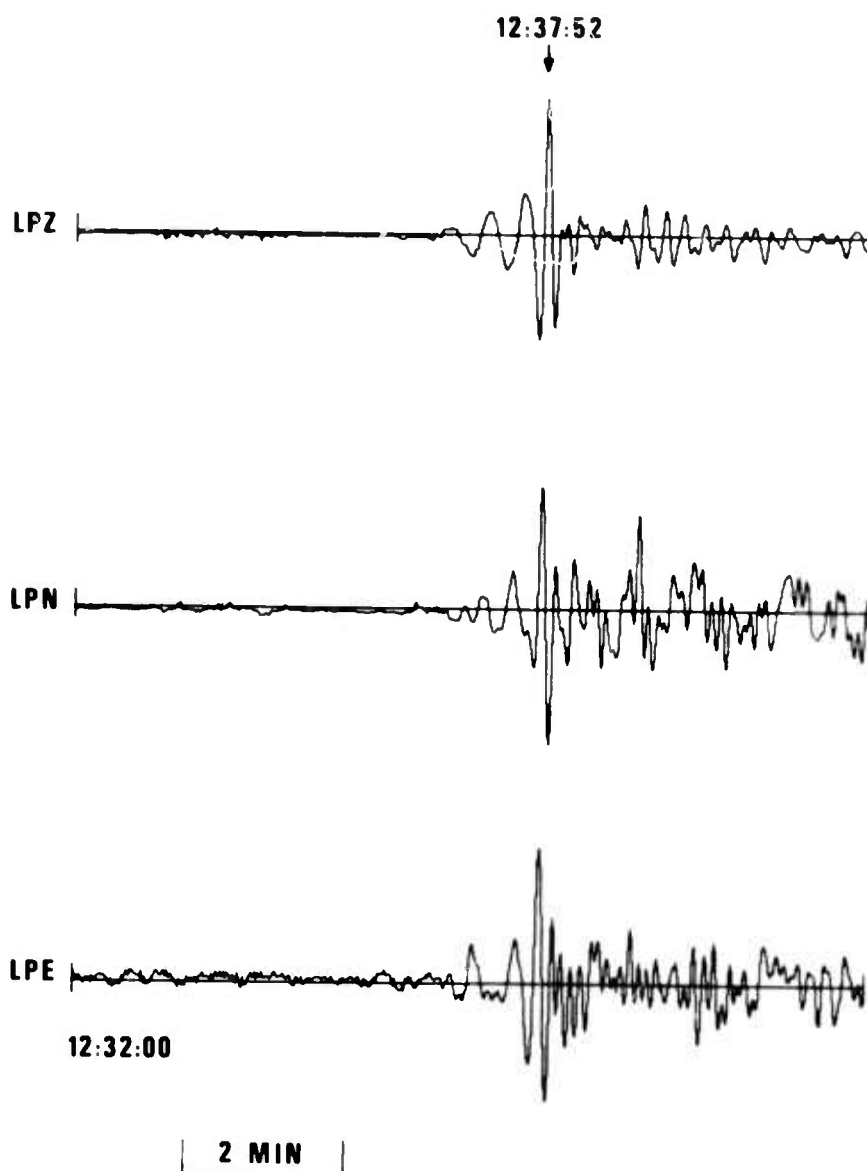
TIME

2 MIN

12:51:30



LASA C2 SUBARRAY 26 JUN 75



(NO AMPLITUDE DETERMINATIONS MADE DUE TO UNRESOLVED SCALING PROBLEMS)