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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT UZBEK SSR, 17 May 1976.

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SDCS EVENT REPORT NO. 103

NTS Event "UZBEK SSR", 17 May 1976

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	Lat.	Long.	m_b	M_s
NORSAR	03:05:57.2	02:58:35	39 N	064 E	6.5	N/A
Hagfors	03:05:45.0	02:59:00	44 N	064 E	6.8	N/A

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

02:58:42.5	40.7 N	063.4 E	6.3	6.6

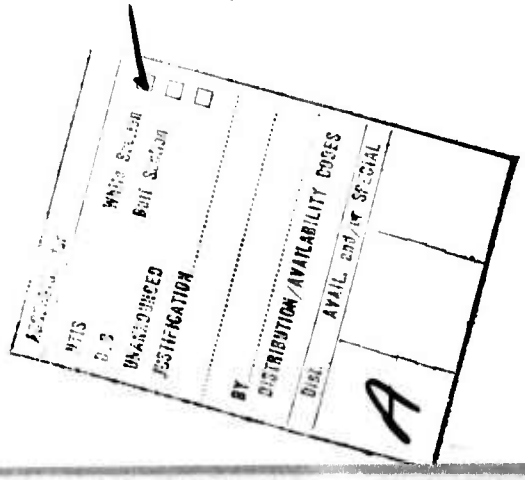
The programs used for LASA, NORSAR and ALPA data recovery are presently undergoing modifications. Information for LASA short-period is reported from their Teleseism Event Report; NORSAR short-period data are obtained from their bulletin. The long-period array beam recovery for these stations will be resumed upon completion of these modifications.

All SDCS stations were operational during this period.

Short-period signals associated with this event were recorded at all SDCS stations, LASA and NORSAR. All SP channels at HN-ME had polarity reversals; to correct this, mathematical inversions of the data were performed. WH2YK, RK-ON, CPSO and HN-ME short-period data were retrieved from the field station digital tapes. Horizontal SP channels at all SDCS stations were rotated.

Long-period signals were recorded at all SDCS stations. All LP channels at HN-ME had polarity reversals; to correct this, mathematical inversions of the data were performed. CPSO and FN-WV recorded clipped long-period signal arrivals and are not included in this report.

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



STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION 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	KS36000	KS36000
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

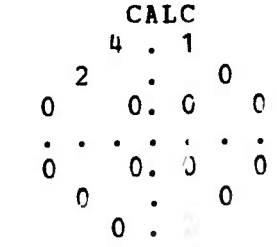
INPUT FOR EVENT 17 MAY 76
02:58:00.0 39.000N 65.000E 0KM.

STA.	ARRIVAL	RESIDUALS CALC	RESIDUALS REST	DIST. REST	AZ. REST
NAO	03 05 57.2	0.0	-0.0	37.5	320.3
WH2YK	03 10 40.3	-0.3	-0.3	77.8	9.1
HN-ME	03 11 10.5	0.6	0.7	83.2	328.3
RK-ON	03 11 26.2	-0.6	-0.5	86.6	345.7
LAO	03 11 55.9	1.3	1.4	92.5	352.9
FN-WV	03 12 02.7	0.1	0.4	94.1	331.7
CPSO	03 12 22.3	-1.1	-1.7	98.9	334.8

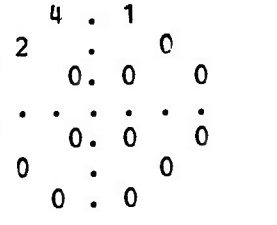
67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
NO CONVERGENCE ON CALC RUN						
02:58:50.8	41.069N	63.351E	44. CALC	0.8	16	7
02:58:42.5	40.726N	63.388E	0. REST	1.0	3	7

CALC



REST



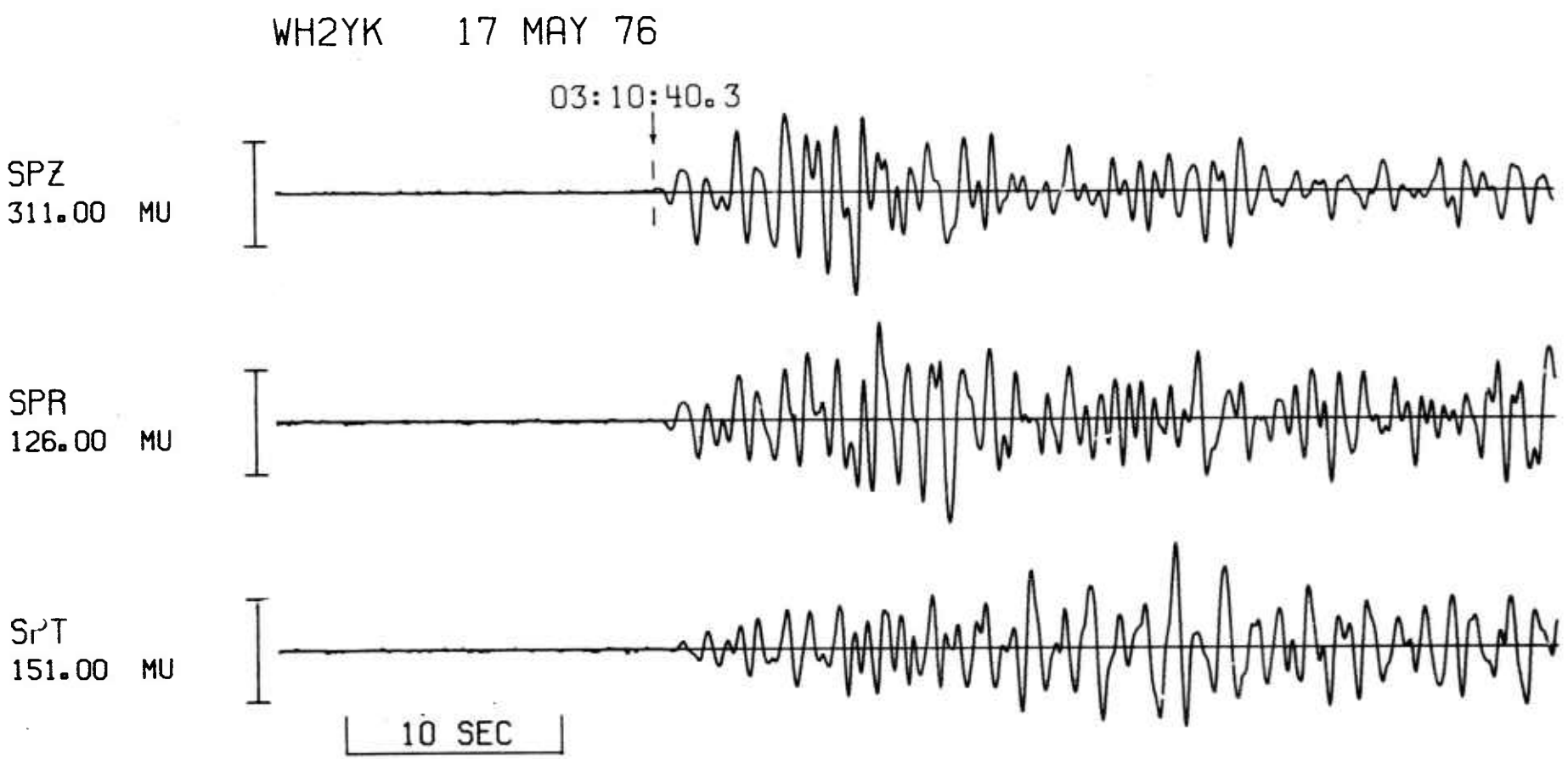
CHI2 COVERAGE ELLIPSE; 95 PER CENT CONF..LEVEL, SDV= 0.92
MAJOR 127.1KM. MINOR 51.5KM. AZ= 11 AREA= 20575 SQ.KM. REST

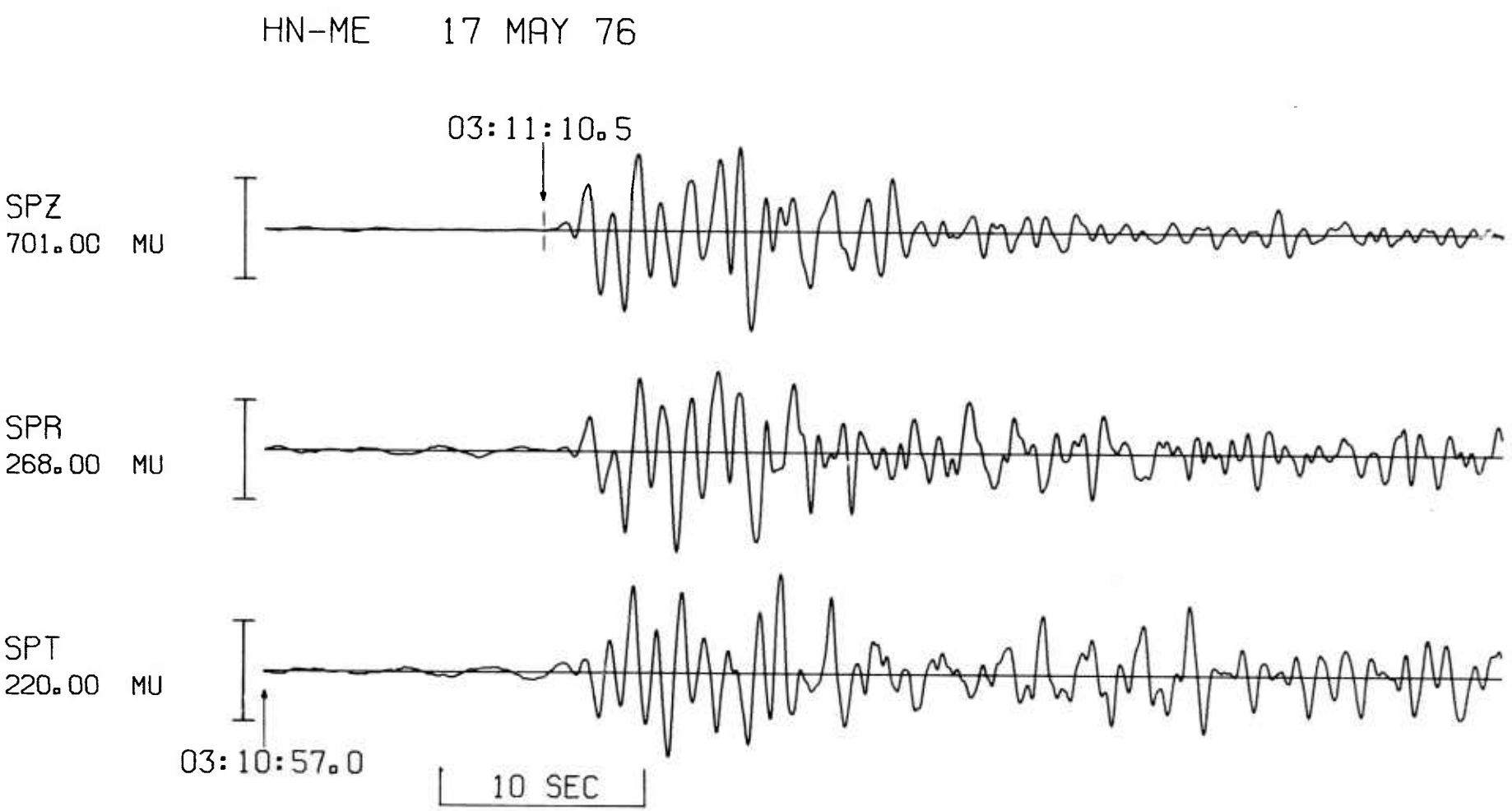
DATA SUMMARY

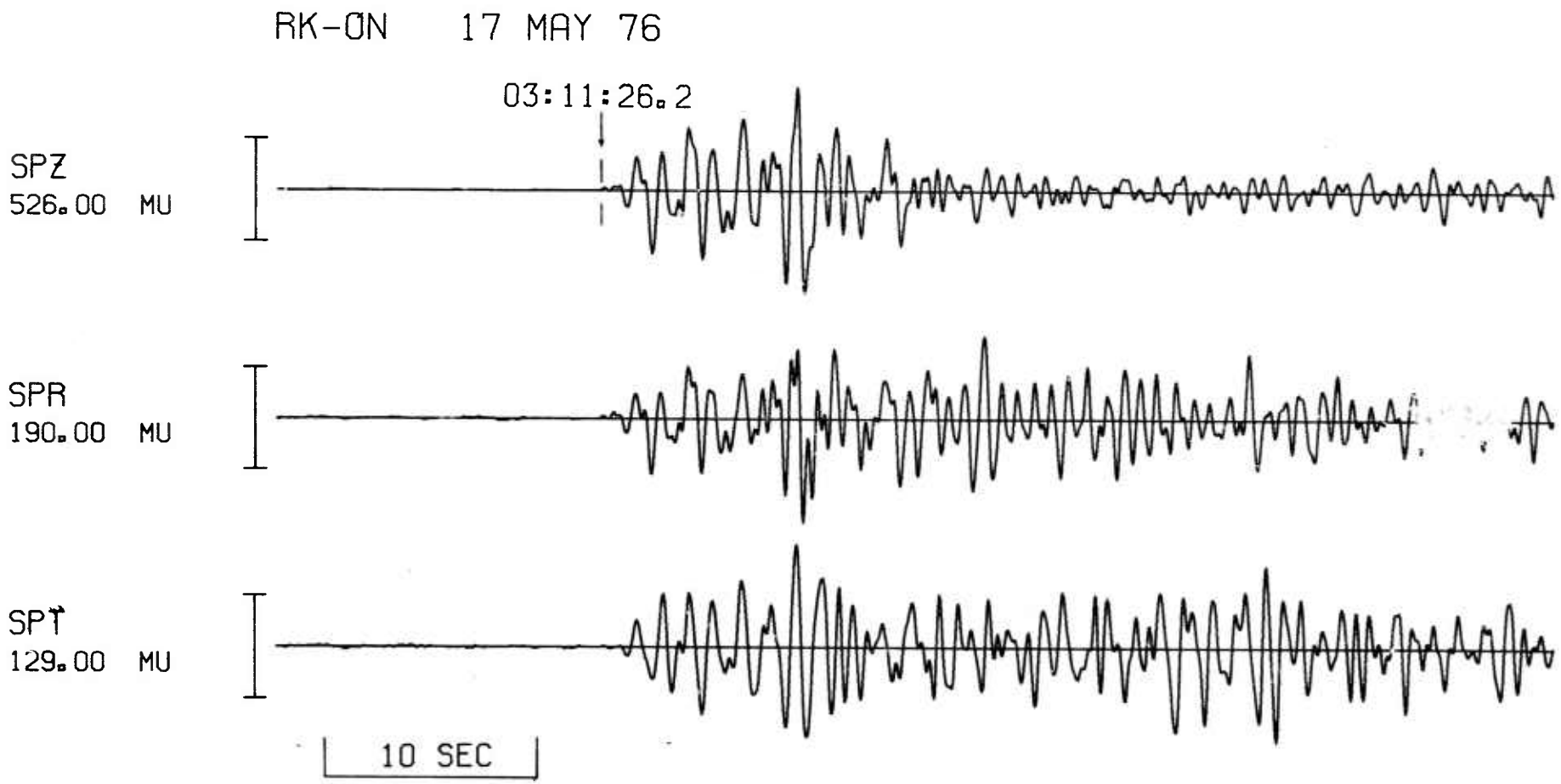
INPUT FOR EVENT 17 MAY 76
02:58:00.0 39.000N 65.000E 0KM.

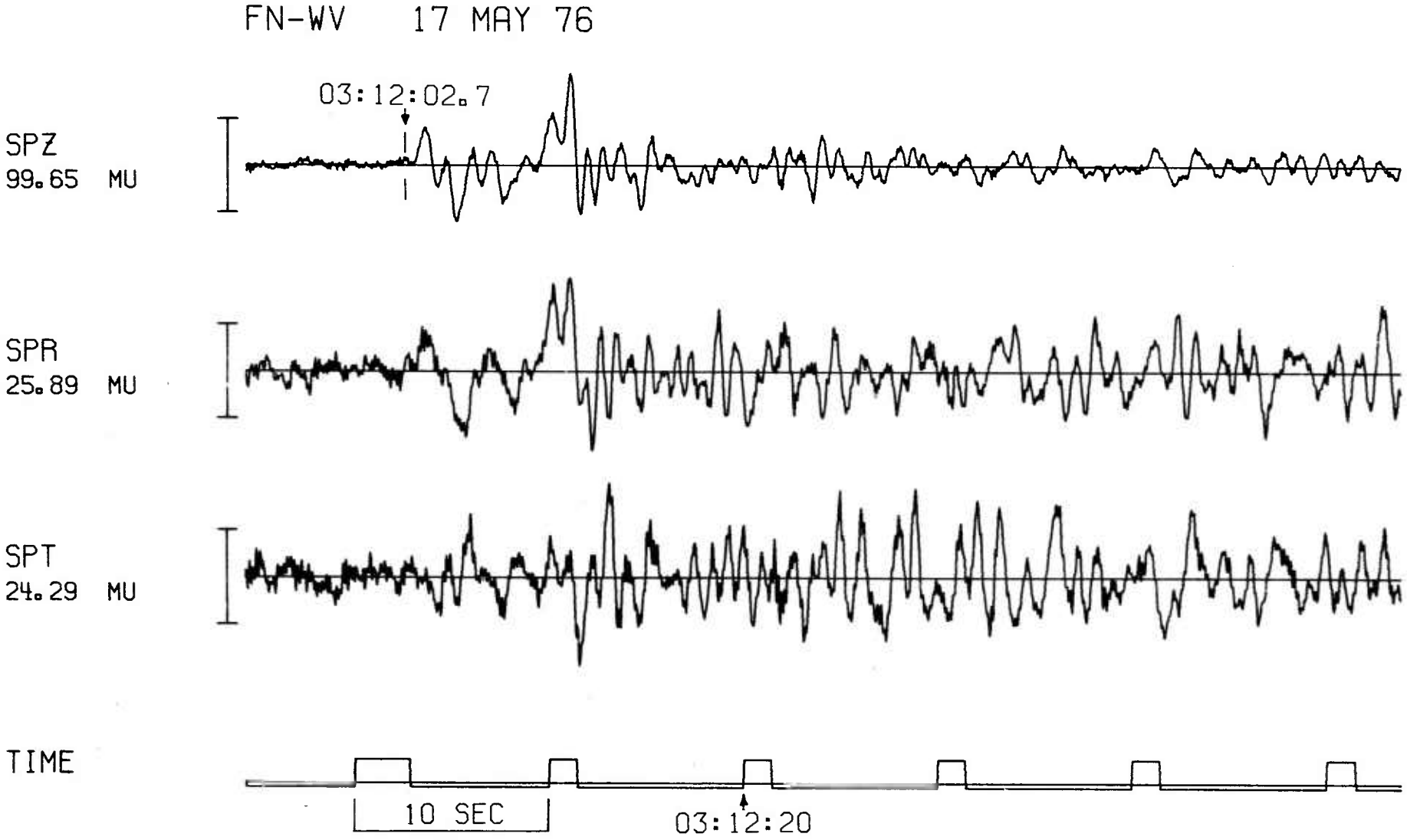
STA.	PHASE	ARRIVAL TIME	INST	PER	A/T	MAGNITUDE MB	MS	DIR	DIST
NAO	EP	03 05 57.2	AB	1.0	1717.	6.43			37.5
WH2YK	EP	03 10 40.3	SPZ	0.7	334.	6.12			77.8
WH2YK	LR	03 50 47.0	LPZ	20.0	1025.		6.02		77.8
HN-ME	EP	03 11 10.5	SPZ	1.0	1215.	6.78			83.2
HN-ME	LR	03 48 20.0	LPZ	19.0	7069.		6.89		83.2
RK-ON	EP	03 11 26.2	SPZ	0.8	785.	6.56			86.6
RK-ON	LR	03 53 24.0	LPZ	22.0	6238.		6.85		86.6
LAO	EP	03 11 55.9	SAB	99.9	9999.				
FN-WV	EP	03 12 02.7	SPZ	1.4	117.	5.88			94.1
CPSO	EP	03 12 22.3	SPZ	0.7	53.	5.92			98.9

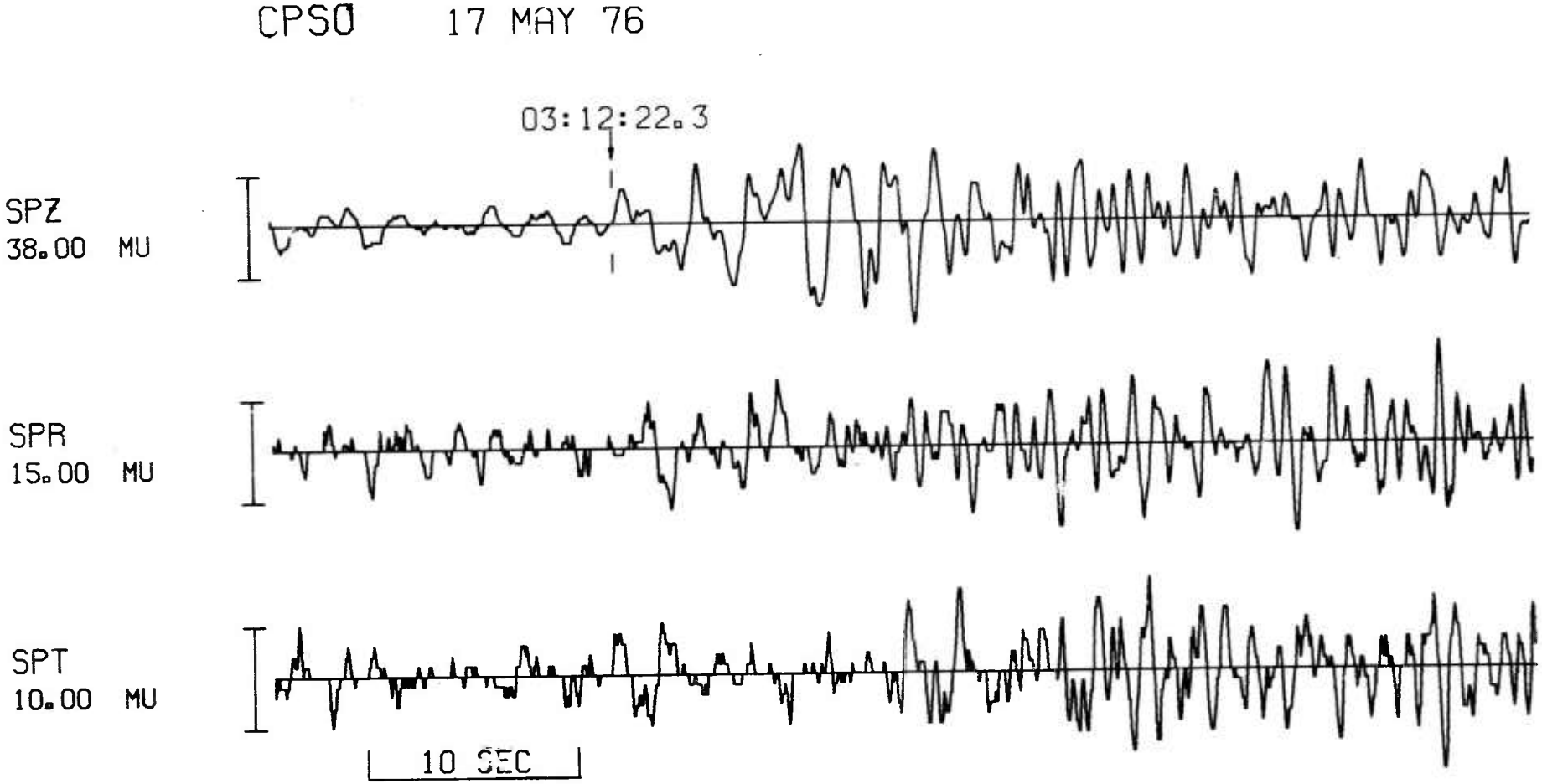
ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA	LPMAG	LPSDV	LPSTA
02:58:42.5	40.726N	63.388E	0. REST	6.28	0.37	6	6.59	0.5	3

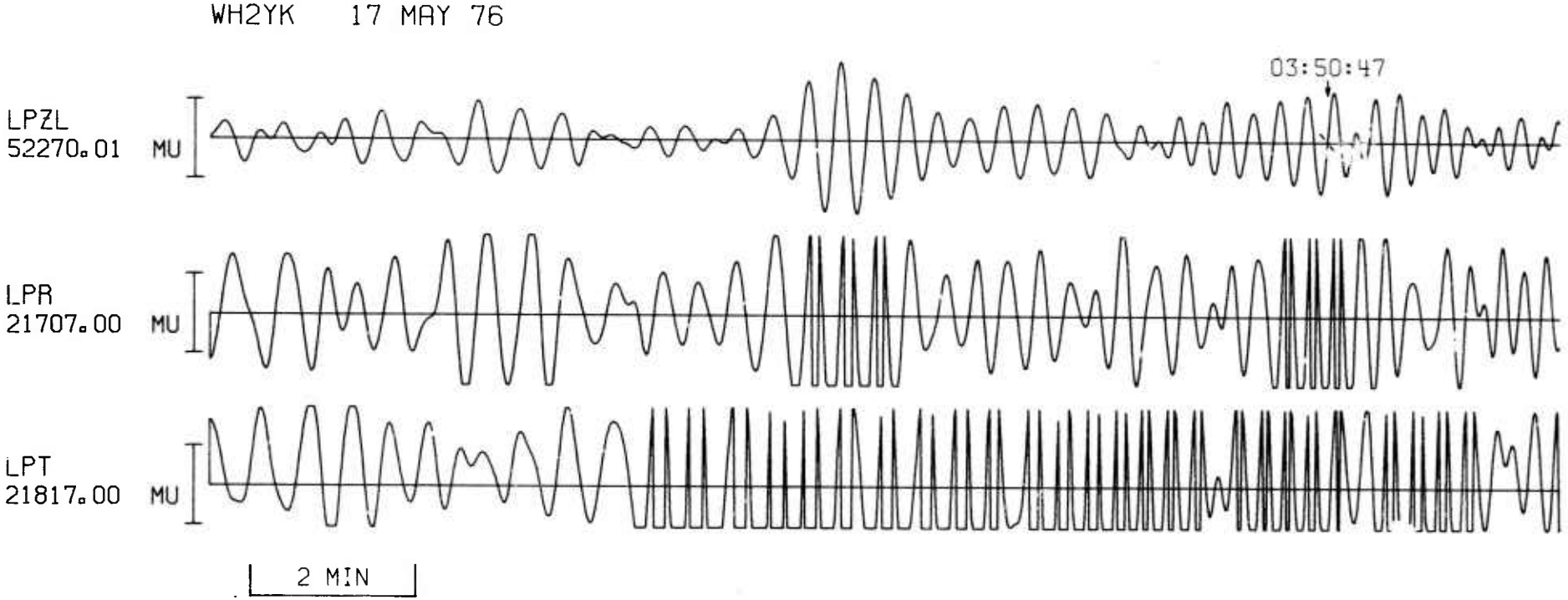

WH2YK 17 MAY 76
03:10:40.3
SPZ
311.00 MU
SPR
126.00 MU
SPT
151.00 MU
10 SEC

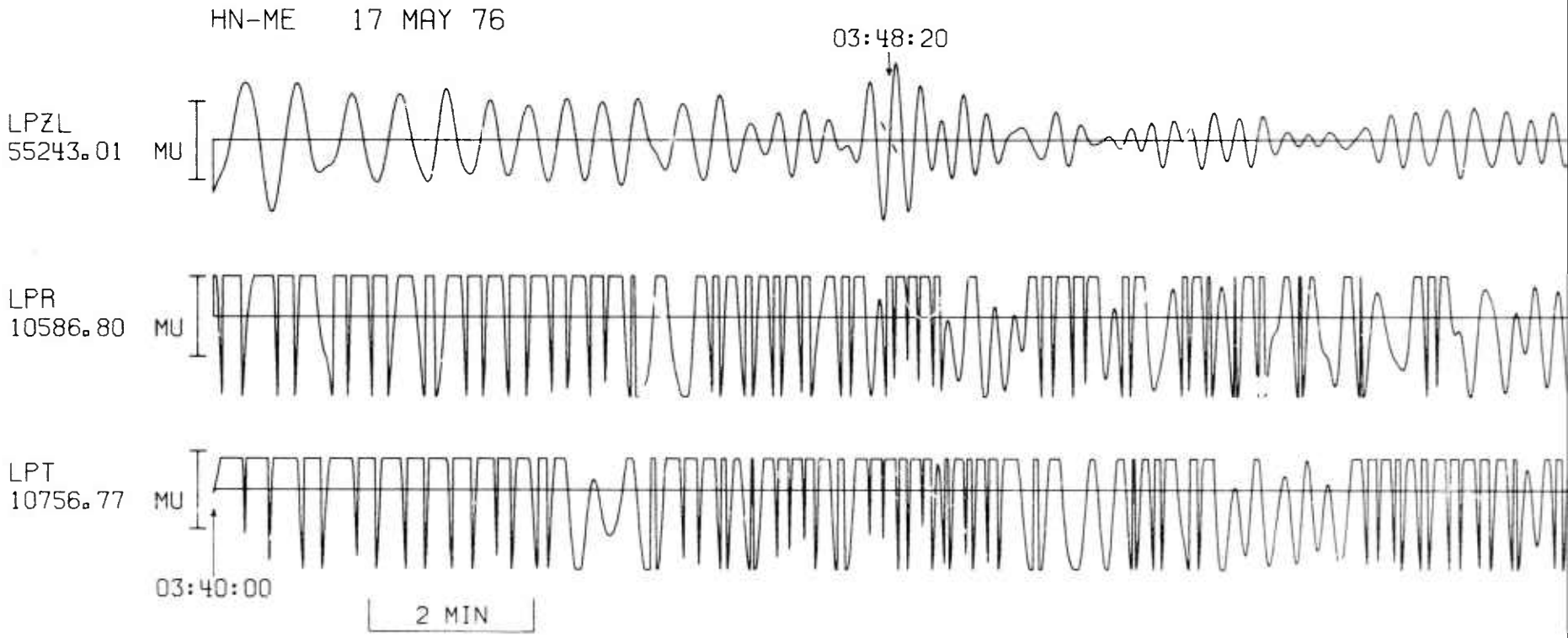

HN-ME 17 MAY 76
03:11:10.5
SPZ
701.00 MU
SPR
268.00 MU
SPT
220.00 MU
03:10:57.0
10 SEC

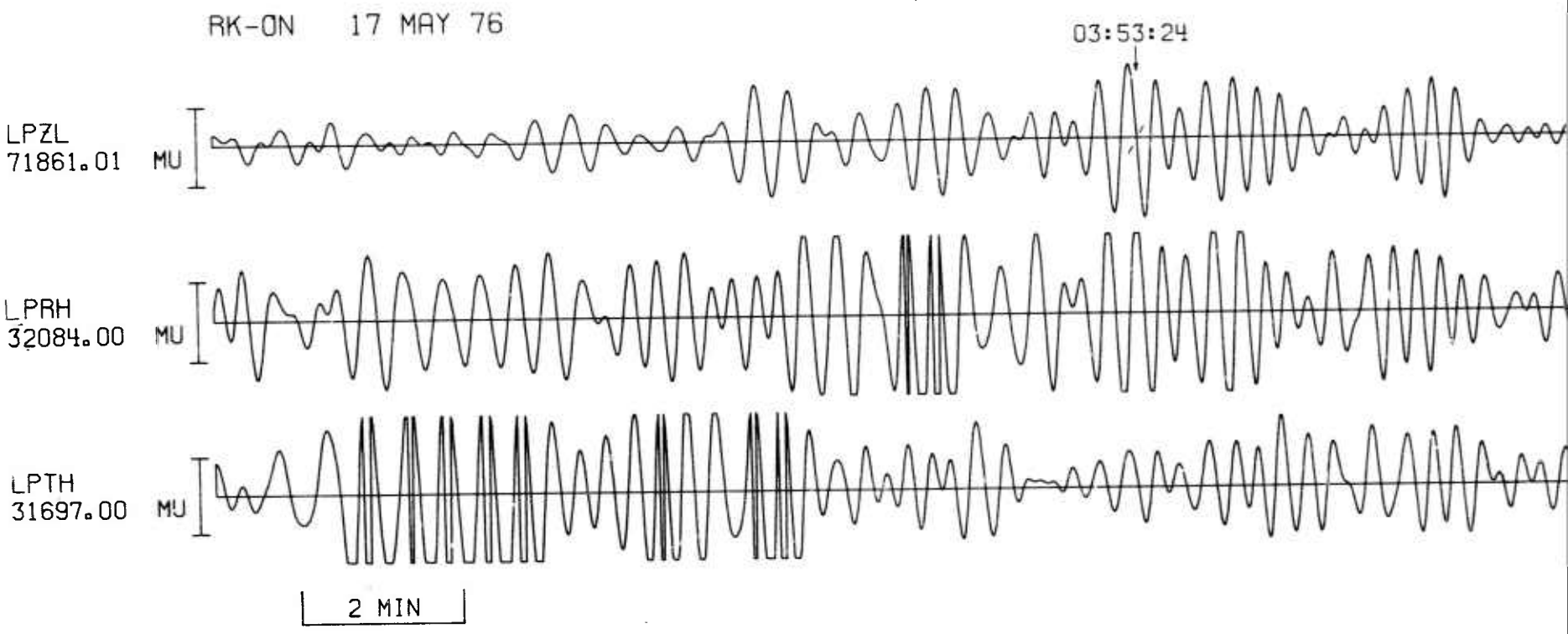

RK-ON 17 MAY 76
03:11:26.2
SPZ
526.00 MU
SPR
190.00 MU
SPT
129.00 MU
10 SEC


FN-WV 17 MAY 76
03:12:02.7
SPZ
99.65 MU
SPR
25.89 MU
SPT
24.29 MU
TIME
10 SEC
03:12:20


CPSO 17 MAY 76
03:12:22.3
SPZ
38.00 MU
SPR
15.00 MU
SPT
10.00 MU
10 SEC


WH2YK 17 MAY 76
03:50:47
LPZL
52270.01
MU
LPR
21707.00
MU
LPT
21817.00
MU
2 MIN


HN-ME 17 MAY 76
03:48:20
LPZL
55243.01
MU
LPR
10586.80
MU
LPT
10756.77
MU
03:40:00
2 MIN


RK-ON 17 MAY 76
03:53:24
LPZL
71861.01
MU
LPRH
32084.00
MU
LPTH
31697.00
MU
2 MIN