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ADA 027160

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Fox Islands, Aleutian Islands, 12 April 1976

K.J. Hill, M.S. Dawkins, and M.D. Gillispie
Alexandria Laboratories
Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

June 1976

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ARPA Order No. 2897

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Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS
BEFORE COMPLETING FORM

1. REPORT NUMBER

SDCS-ER-76-99

2. GOVT ACCESSION NO.

3. RECIPIENT'S CATALOG NUMBER

4. TITLE (and Subtitle)

SPECIAL DATA COLLECTION SYSTEM (SDCS)
Fox Islands, Aleutian Islands, 12 April 1976.

5. TYPE OF REPORT & PERIOD COVERED

Technical rept.

6. PERFORMING ORG. REPORT NUMBER

7. AUTHOR(s)

K. J. Hill, M.S., Dawkins, M.S.,
and Gillispie, M.D.

8. CONTRACT OR GRANT NUMBER(s)

F08606-74-C-0013

WARPA Order-2897

9. PERFORMING ORGANIZATION NAME AND ADDRESS

Teledyne Geotech
314 Montgomery Street
Alexandria, Virginia 22314

10. PROGRAM ELEMENT, PROJECT, TASK
AREA & WORK UNIT NUMBERS

AF-T/4703

12 16p.

11. CONTROLLING OFFICE NAME AND ADDRESS

Defense Advanced Research Projects Agency
Nuclear Monitoring Research Office
1400 Wilson Blvd.-Arlington, Virginia 22209

12. REPORT DATE

11 June 1976

13. NUMBER OF PAGES

15

14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)

VELA Seismological Center
312 Montgomery Street
Alexandria, Virginia 22314

15. SECURITY CLASS. (of this report)

Unclassified

15a. DECLASSIFICATION/DOWNGRADING
SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

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

SDCS EVENT REPORT NO. 99

Fox Islands, Aleutian Islands, 12 April 1976

Fox Islands, Aleutian Islands

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	04:52:41.6	04:42:06	55 N	169 W	5.0	N/A
Hagfors	04:52:45.6	04:42:01	55 N	172 W	5.3	4.9

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

04:41:44.5 51.9N 170.7W 5.5 5.0

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. 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. Horizontal LP channels at all SDCS stations were rotated.

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

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ADDITIONAL INFORMATION

DATE: *04-12-76*

BY: *AVL*

AVAIL. IN. & SERIAL

REVISION

WRITE SECTION

REVISION

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STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	MN SECS		SHORT-PERIOD	LONG-PERIOD
ALPA	Alaska	65 14 147	00.0 N 44 36.0 W	626	None	31300
CPSO	McMinnville, Tennessee	35 35 085	41.4 N 34 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32 079	58.0 N 30 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41 106	19.0 N 13 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09 067	43.0 N 59 09.0 W	213	KS36000	KS36000
NORSAR	Kjeller, Norway	60 49 010	25.4 N 49 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50 093	20.0 N 40 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41 134	41.0 N 58 02.0 W	853	18300	SL210 V SL220 H

HYPOCENTER DETERMINATION

INPUT FOR EVENT 12 APR 76
04:42:06.0 55.000N 169.000W 0KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CALC	REST	REST	REST
WH2YK	04 46 33.4	-0.1	-0.0	21.5	51.9
LAO	04 49 30.5	0.7	0.9	41.2	70.8
RK-ON	04 50 07.6	-0.5	-0.6	46.0	59.3
CPSO	04 51 52.2	-0.8	-0.7	60.2	69.4
FN-WV	04 52 02.2	0.2	0.1	61.5	63.1
HN-ME	04 52 05.3	0.5	0.2	62.0	50.1
NAO	04 52 41.6	0.0	0.1	67.6	359.2

67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
04:41:55.4	52.218N	170.405W	69. CALC	0.5	4	7
04:41:44.5	51.918N	170.746W	0. REST	0.5	3	7

CALC				REST			
1	.	0		1	.	0	
0	.	2		0	.	2	
0	0.	1	3	0	0.	1	3
.	.	.	.	.	.	.	.
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= 1.15
MAJOR 86.2KM. MINOR 44.1KM. AZ= 19 AREA= 11936 SQ.KM. REST

DATA SUMMARY

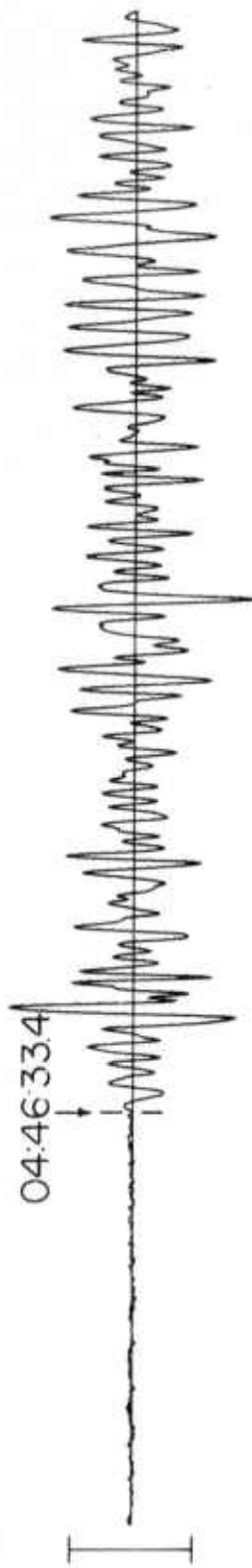
INPUT FOR EVENT 12 APR 76
04:42:06.0 55.000N 169.000W 0KM.

STA.	PHASE	ARRIVAL			INST	PER	A/T	MAGNITUDE		DIR	DIST
		TIME						MB	MS		
WH2YK	EP	04 46 33.4			SPZ	0.8	193.	5.13			21.5
WH2YK	LQ	04 54 06.0			LPT	27.0	285.				
WH2YK	LR	04 56 20.0			LPZ	17.0	220.		4.79		21.5
LAO	EP	04 49 30.5			SAB	99.9	9999.				
RK-ON	EP	04 50 07.6			SPZ	1.0	207.	5.81			46.0
RK-ON	LQ	05 06 39.0			LPT	24.0	92.				
RK-ON	LR	05 08 53.0			LPZ	21.0	122.		4.87		46.0
CPSO	EP	04 51 52.2			SPZ	0.9	131.	5.63			60.2
CPSO	LQ	05 11 51.0			LPT	25.0	52.				
CPSO	LR	05 15 25.0			LPZ	23.0	141.		5.05		60.2
FN-WV	EP	04 52 02.2			SPZ	0.9	83.	5.57			61.5
FN-WV	LQ	05 16 01.0			LPT	23.0	36.				
FN-WV	LR	05 20 31.0			LPZ	20.0	206.		5.22		61.5
HN-ME	EP	04 52 05.3			SPZ	0.9	67.	5.53			62.0
HN-ME	LQ	05 16 28.0			LPT	20.0	276.				
HN-ME	LR	05 20 00.0			LPZ	20.0	223.		5.26		62.0
NAO	EP	04 52 41.6			AB	1.2	41.	5.31			67.6

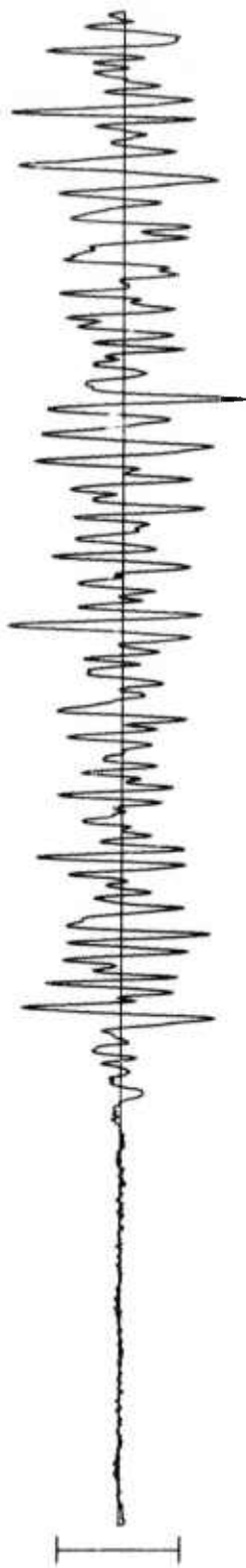
ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA	LP MAG	LP SDV	LP STA
04:41:55.4	52.218N	170.405W	69. CALC	5.39	0.26	6	5.04	0.2	5
04:41:44.5	51.918N	170.746W	0. REST	5.50	0.24	6	5.04	0.2	5

WH2YK 12 APR 76

SPZ
137.89 MU



SPR
103.55 MU



SPT
109.03 MU



TIME



RK-ON 12 APR 76

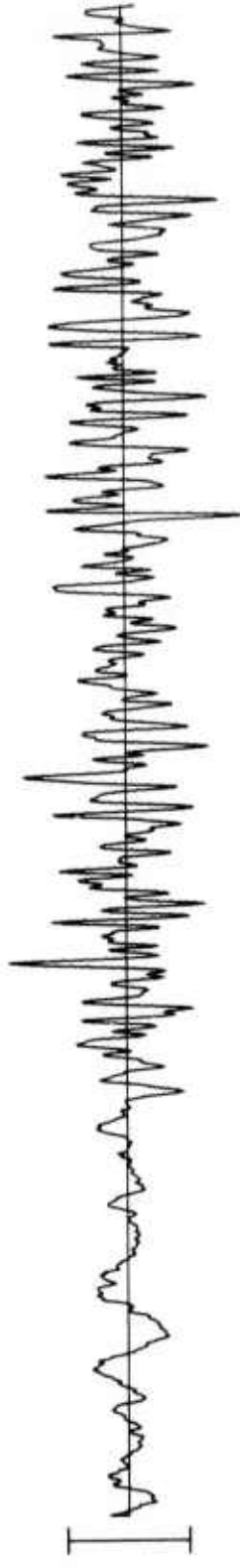
04:50:07.6



SPZ
112.26 MU

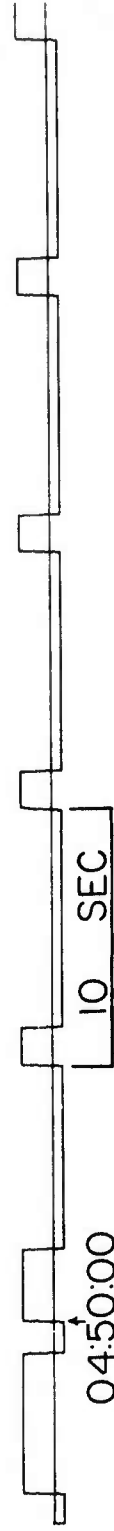


SPR
44.50 MU



SPT
24.45 MU

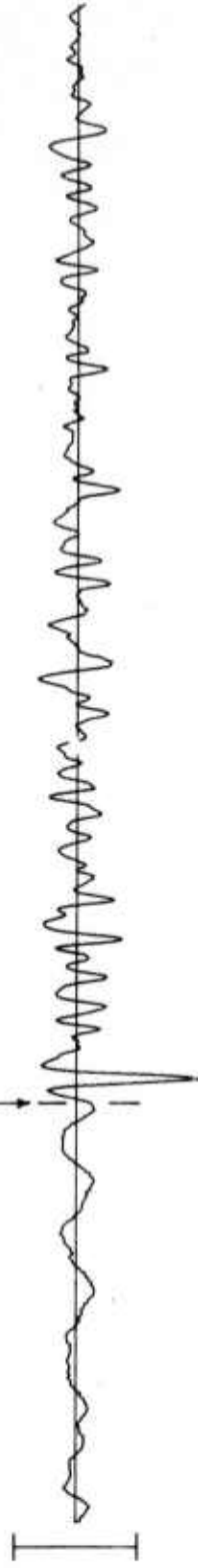
TIME



CPS0 12 APR 76

SPZ
103.91 MU

04:51:52.2



SPR
22.00 MU



SPT
12.49 MU



TIME



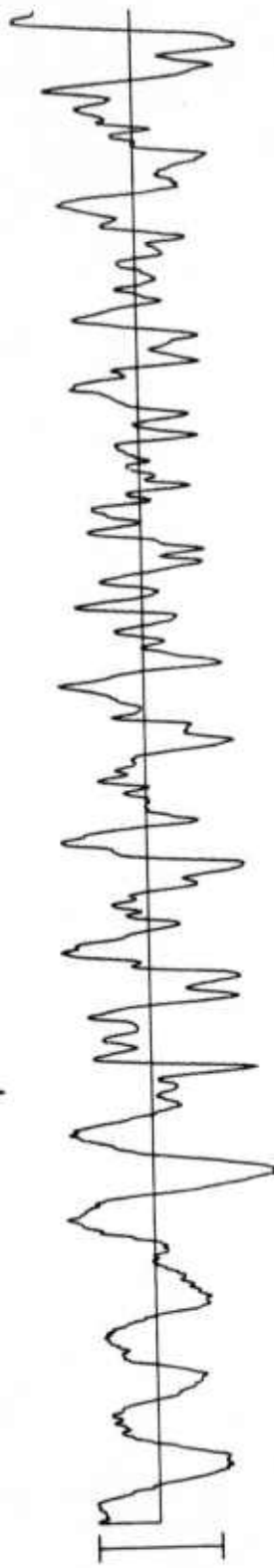
FN-WV 12 APR 76

04:52:02.2

SPZ
64.66 MU



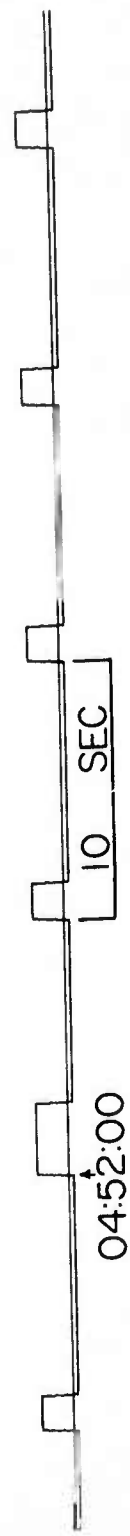
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23.37 MU



SPT
19.29 MU

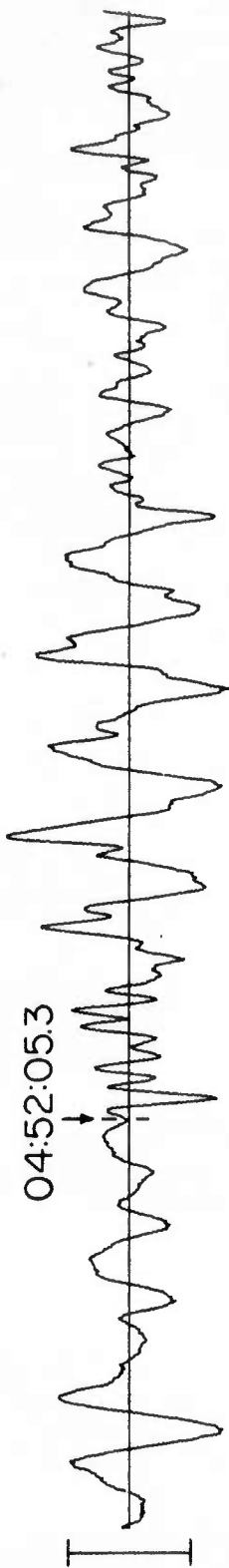


TIME

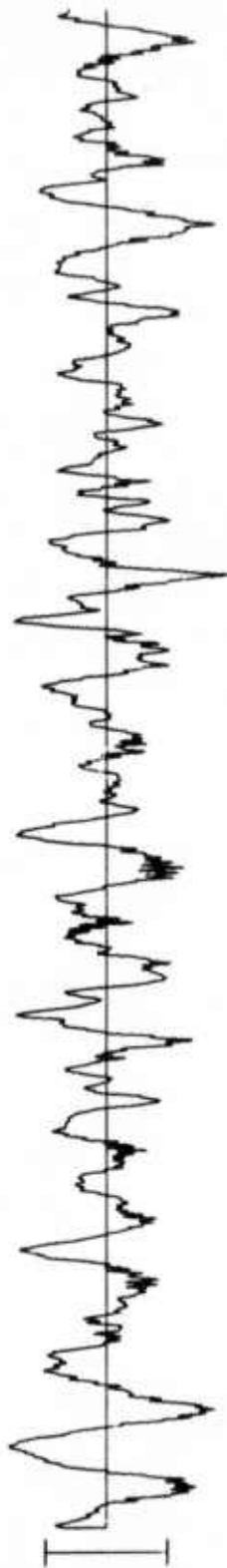


HN-ME 12 APR 76

SPZ
86.85 MU



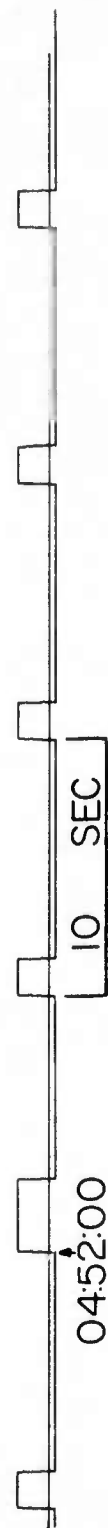
SPR
50.81 MU



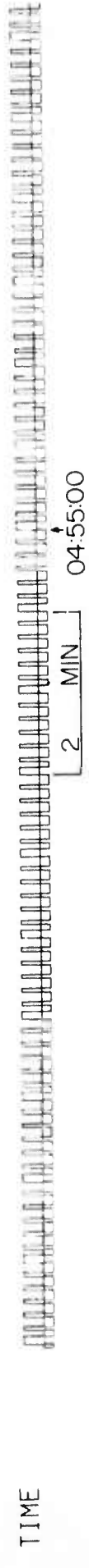
SPT
54.38 MU



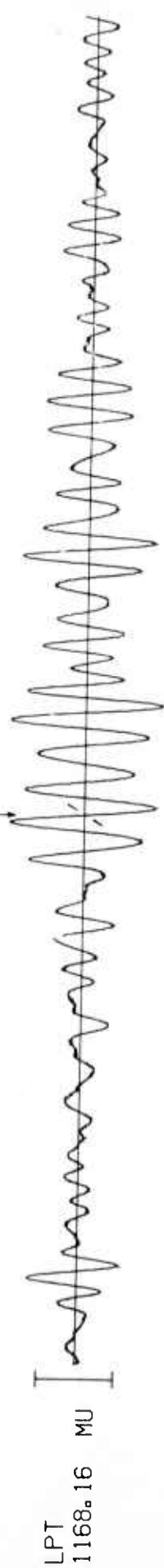
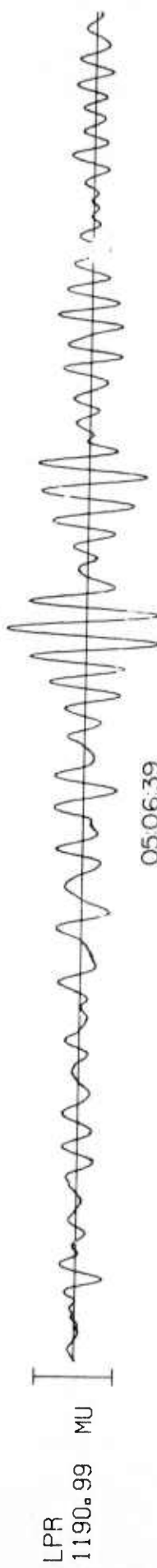
TIME



WH2YK 12 APR 76



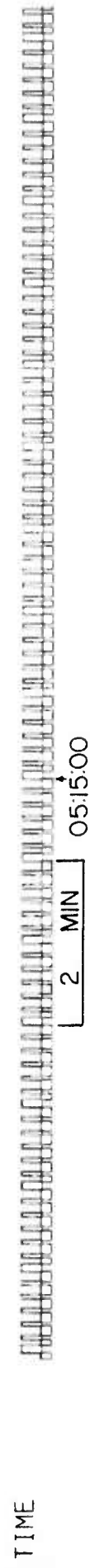
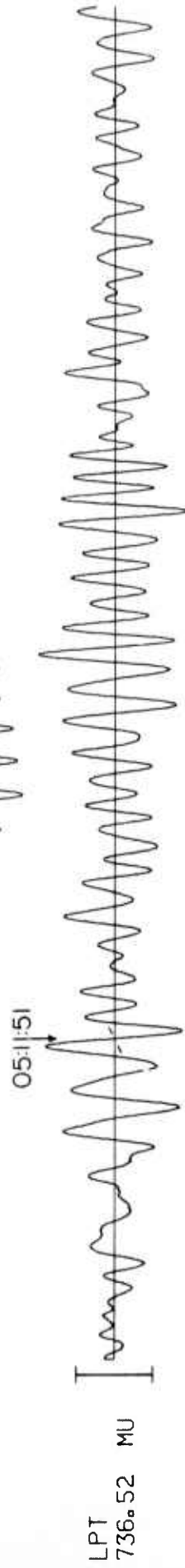
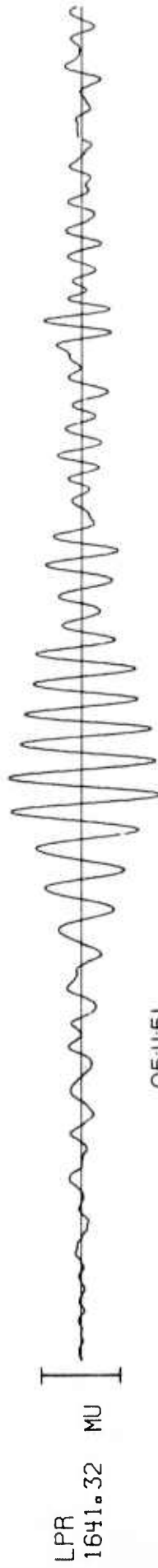
RK-ON 12 APR 76



TIME



CPS0 12 APR 76



FN-WV 12 APR 76

LPZ
1840.93 MU

05:20:31

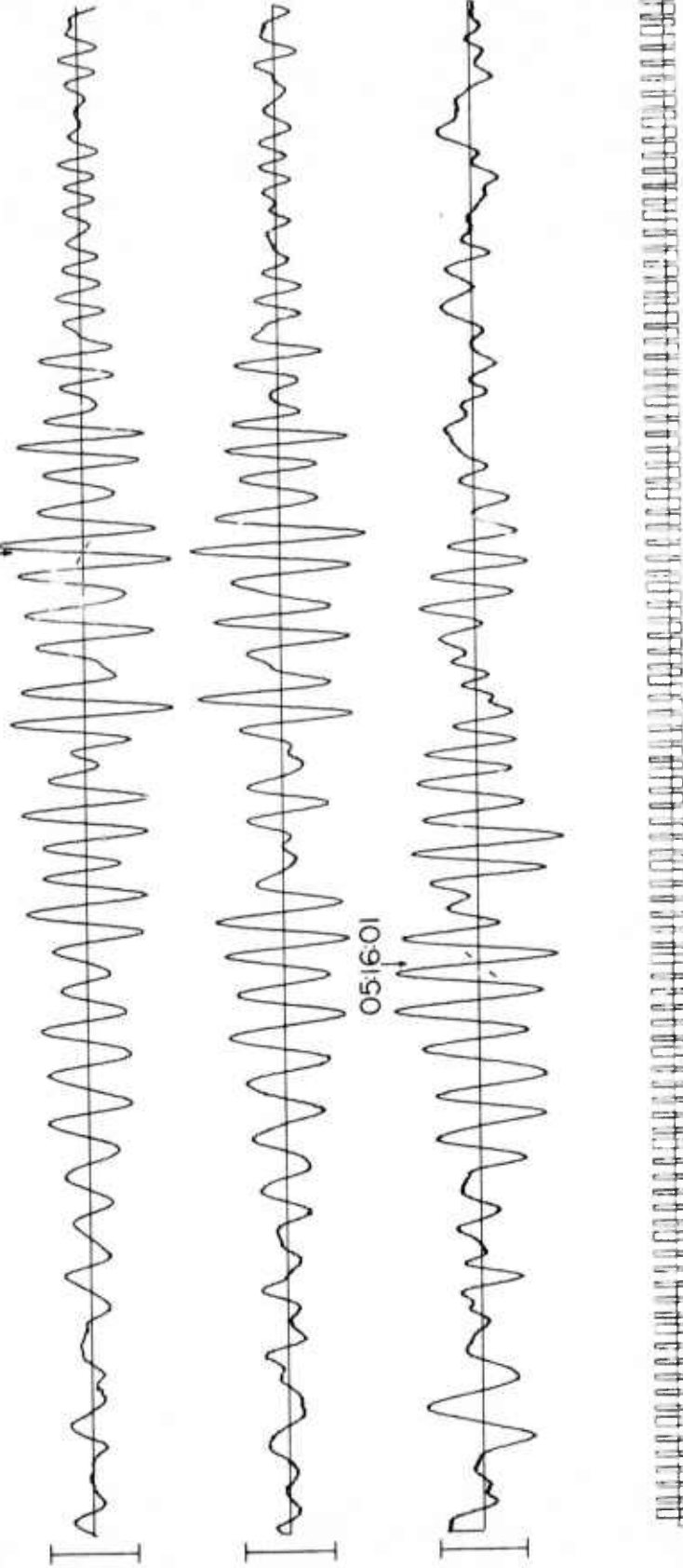
LPR
356.27 MU

05:16:01

LPT
430.35 MU

TIME

2 MIN 05:15:00



HN-ME 12 APR 76

