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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT -
NORTH ATLANTIC OCEAN, 26 FEBRUARY 1975

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Teledyne Geotech

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North Atlantic Ocean, 26 February 1975**

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September 1975

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**VELA Seismological Center
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SDCS Event Report No. 3

North Atlantic Ocean, 26 February 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	18:30:07	53.0N	33.0W	5.2	4.4
LASA	18:30:19	53.8N	36.5W	5.2	N/A
Hagfors Array, Sweden	N/A				

An epicenter was not calculated using the SDCS stations. The long period magnitude was calculated.

SDCS & Arrays

4.4

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.

RK-ON and FN-WV were not operational for this event. Long- and short-period data from CPSO and long-period data from LASA were not recovered. There are good long-period signals at HN-ME and WH2YK, the short-period signals were not well defined. This condition, as well as a similar condition for other events, led to a modification of operational procedures. Times and orientation were verified as being proper for the above listed event.

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	N N SECS		SHORT-PERIOD	LONG-PERIOD
ALPA	Alaska	65 14	00.0 N 147 44 36.0 W	457	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	29.0 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
WHZYK	White Horse, Yukon	60 41	41.0 N 134 58 02.0 W	853	18300	SL210 V SL220 H

DATA SUMMARY

Sta.	Phase	Arrival Time	Inst.	Per	A/T	Magnitude m_b	M_s	Dist
HN-ME	LR	18:42:38.0	LPZ	21.0	36.5		4.01	21.4
NAO	EP	18:35:36.1	AB	1.5	58.6	5.17		26.0
	LP	18:43:41.0	LPAB	24.0	72.7		4.40	26.0
LAO	EP	18:38:19.5	AB	0.9	47.8	5.18		43.4
WH2YK	LR	18:58:48.0	LPZ	20.0	63.9		4.62	48.8
ALPA	LR	18:58:58.0	LPAB	24.0	36.0		4.38	50.3

<u>Avg. m_b</u>	<u>Sta.</u>	<u>Avg. M_s</u>	<u>Sta.</u>
5.18	2	4.35	4

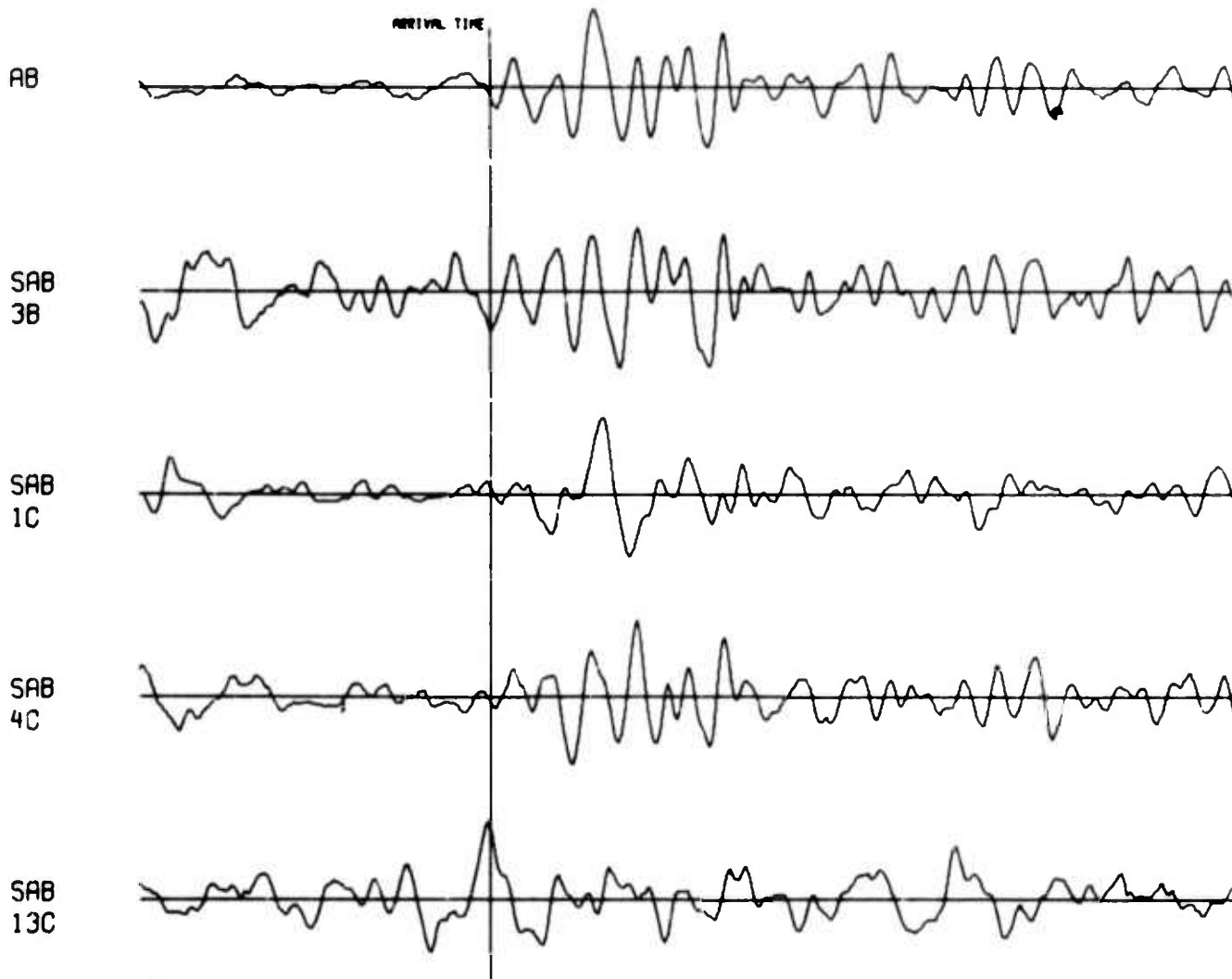
NORSAR EVENT FILE

1975 FEB 26

EPX NO. 61360 ARR. 18.35.36.1 54.5N 33.3W 3.8MB 33KM

DIST = 24.0 AZI = 274.7 AMP = 5.4 PER = 1.6 UMETH 2

—|—| = 5 SECONDS



LASA

1 26 FEB 1975

2 18 30 19 53.8N 36.5W 33C C 5.0 402 NORTH ATLANTIC OCEAN

3 18 38 19.2 LAO P 37.1 1.3 13.8 43.6 53.8

EPX 14250

BP-B 0.6-2.0 HZ

ABN 26

18:38:9.2

AB 73

FAB 63

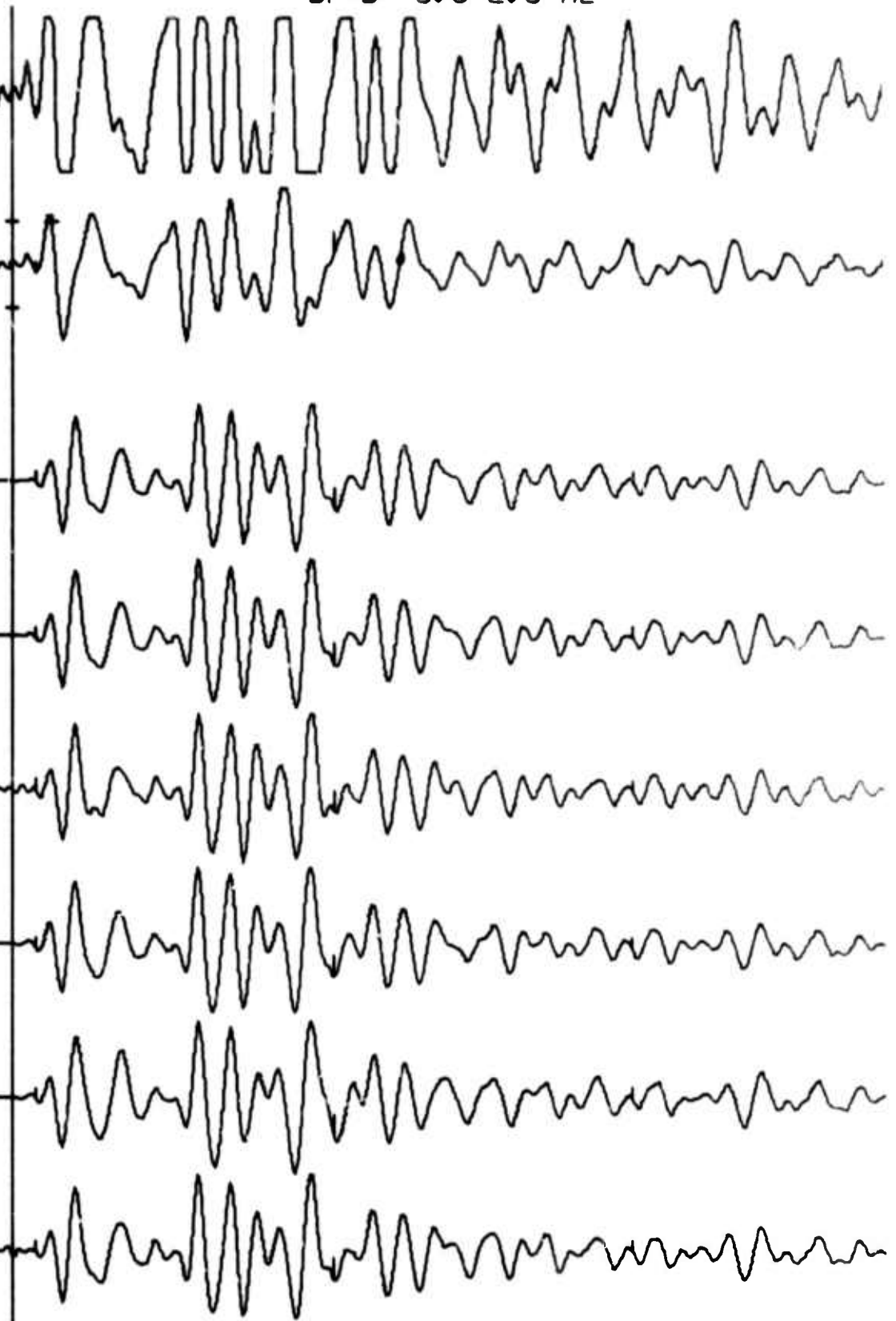
WAB 63

PAB1 74

PAB2 56

PAB3 47

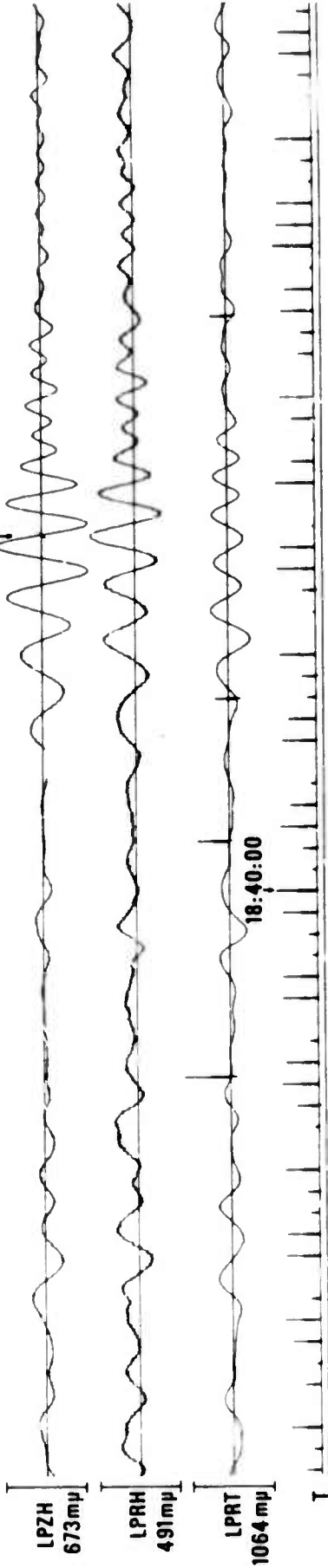
PAB4 73



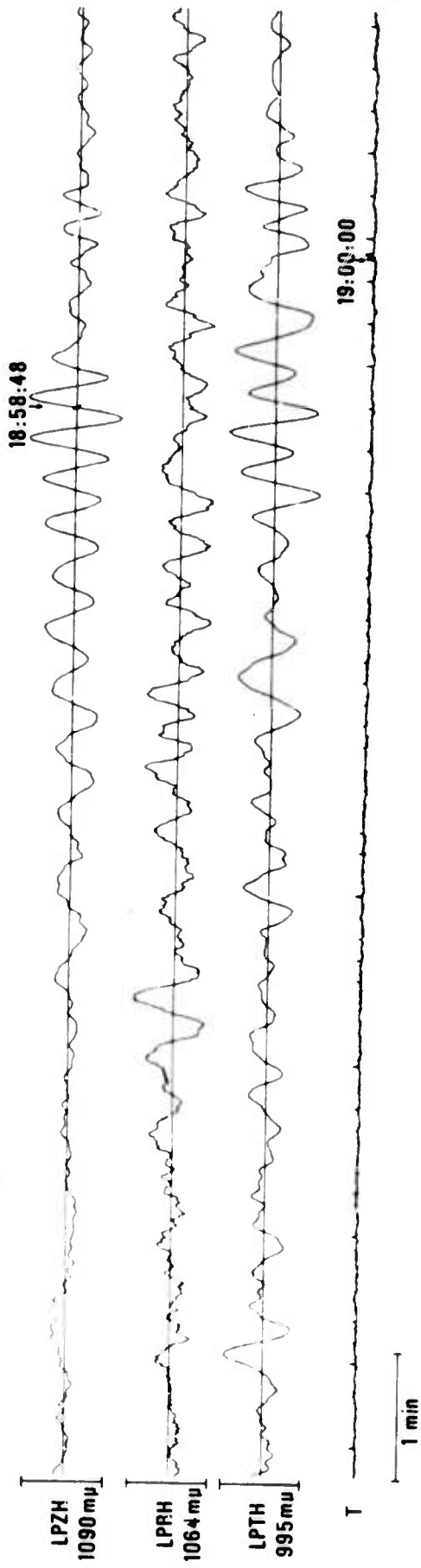
10 sec -5-

HN-ME 26 FEB 75

18:42:38



WH2YK 26 FEB 75



LP ARRAYS 26 FEB 75

NORSAR

1814 mμ

18:43:41

18:38:36

18:58:00

ALPA

892 mμ

18:58:58

18:51:04

19:11:00

1 min

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