

FOR FURTHER TRAN

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**SPECIAL DATA COLLECTION SYSTEM (SDCS)
NTS Event "RUDDER," 28 December 1976**

Michael S. Dawkins

Alexandria Laboratories

Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

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405 601 Jm

ABSTRACT

SDCS Event Report No. 127

NTS Event "RUDDER", 28 December 1976

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the ^{RUDDER} event. Published epicenter information from seismic observations is ~~given~~ ^{GIVEN} \odot

ABSTRACT

"P" Arrival"	Origin Time	Latitude	Longitude	m_b	M_s
Hagfors 18:11:40.8	18:00:01	37N	116W	5.8	N/A
LASA 18:02:53.2	Near regional distance/no location or m_b .				
SDAC/VELA	18:00:06.6	37.3N	116.1W	5.2	N/A

All SDCS stations were operational during this time period, although only one (HN-ME) recorded a usable signal. RK-ON was negative due to the signal being obscured by unusually high background, and the Nevada stations were clipped. Long-period was positive at HN-ME and RK-ON, the only two SDCS stations operating LP instruments at this time.

Both short-period and long-period waveform data from LASA was recoverable from the SDAC/VELA Network detection processor; NORSAR was not.

Information for Hagfors is from their bulletin.

Beginning with this report, epicenter information from the SDAC/VELA Network will be included when available.

Scaling factors on plots are millimicrons at 1 Hz for SP and 0.04 Hz for LP (not corrected for instrument response).

ACCESSION for	
NTS	White Section <input checked="" type="checkbox"/>
DDC	Buff Section <input type="checkbox"/>
UNANNOUNCED	<input type="checkbox"/>
JUSTIFICATION.....	
BY.....	
DISTRIBUTION/AVAILABILITY CODES	
Dist.	AVAIL. and/or SPECIAL
A	

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION	
				SHORT-PERIOD	LONG-PERIOD
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	KS36000	KS36000
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
OB2NV	Nevada Test Site	37 13 31.0 N 116 03 28.0 W		18300	N/A
NT-NV	Nevada Test Site	31 16 33.0 N 116 25 06.0 W		18300	N/A
NT2NV	Nevada Test Site	37 15 16.0 N 116 18 13.0 W		18300	N/A
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H

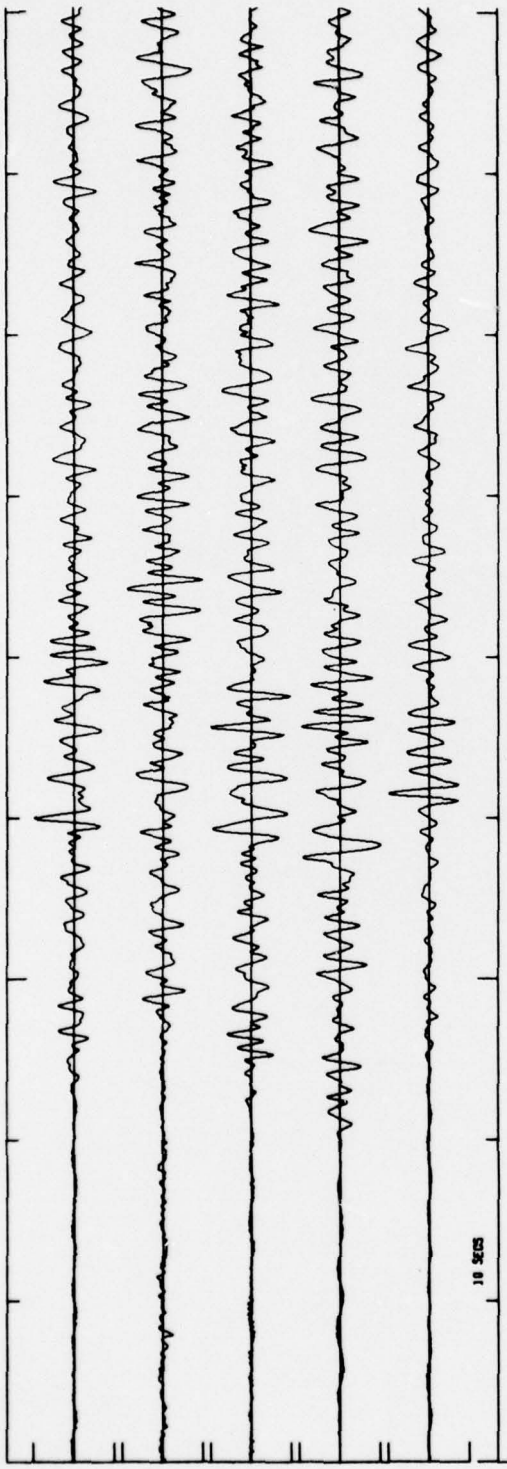
PREDA -- TRAVEL TIME PREDICTIONS --

28DEC INPUT FOR EVENT 28 DEC 76
 18:00:00.0 37.000N 116.000W OKM.

STA.	TIME	SURF(CKM.)		DIST		AZI	
		TRAV.TIME	DEG.	KM.	EVT-STA	STA-EVT	
OB2NV P	18 00	04.3	0:04.3	0.23	25.4909	348.443	168.408
OB3NV P	18 00	04.4	0:04.4	0.24	26.2509	349.440	169.408
NT2NV P	18 00	06.4	0:06.4	0.34	37.8929	317.990	137.818
NT-NV P	18 00	08.1	0:08.1	0.43	48.1569	309.600	129.348
LAO P	18 02	52.8	2:52.8	12.11	1346.3806	33.872	220.403
RK-ON P	18 04	45.4	4:45.4	21.10	2346.6204	41.990	237.640
HN-ME P	18 07	06.8	7:06.8	36.58	4067.1921	60.108	273.026
NAO P	18 11	32.3	11:32.3	73.31	8151.6133	24.170	318.013
HFS P	18 11	40.7	11:40.7	74.76	8312.8984	23.524	320.323

67 HERRIN TRAVEL TIME TABLES

SURF			
0	.	?	
0	.	0	
0	4.	2	1
.	.	.	.
0	0.	0	0
0	.	0	
0	.	0	



1976
383/18-2-38-0

LASA SHORT

PERIOD SUBARRAYS

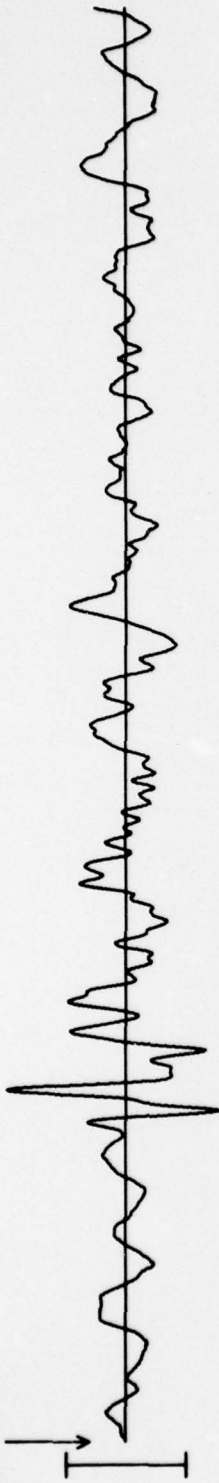
28 DEC 76

TIME 5.0 SEC/UNIT

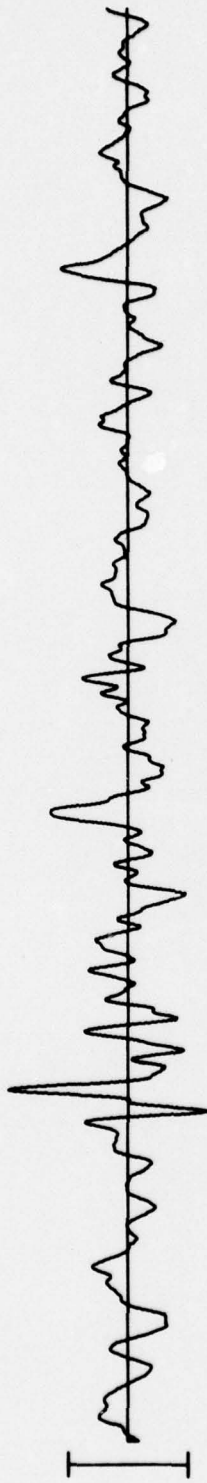


HN-ME 28 DEC 76

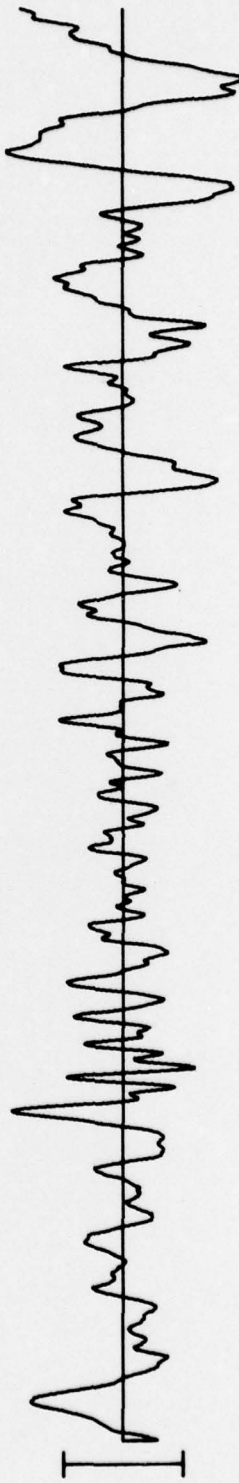
18:06:55.0



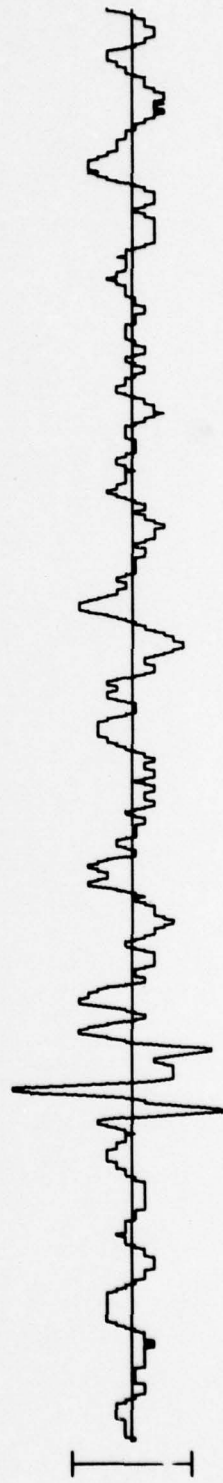
SPZ
119.78 MU



SPR
87.01 MU

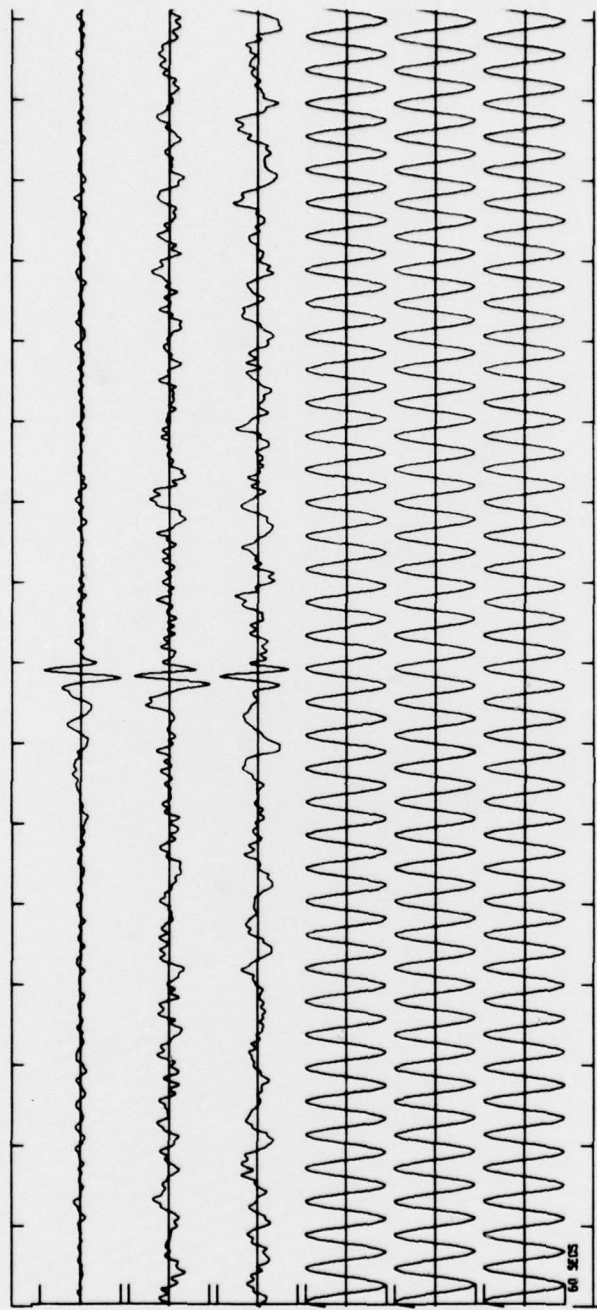


SPT
52.80 MU



SPZLO
120.40 MU

10 SEC



LA0011HA0LPZ
2118.5 MV/UNIT
(LA LP 1)

LA0011HA0LPN
1832.7 MV/UNIT
(LA LP 2)

LA0011HA0LPE
1804.9 MV/UNIT
(LA LP 3)

LA0011HD2LPZ
2613.9 MV/UNIT
(LA LP 15)

LA0011HD2LPN
2614.2 MV/UNIT
(LA LP 20)

LA0011HD2LPE
2616.1 MV/UNIT
(LA LP 25)



TIME 65.0 SEC/UNIT

1976
363/18-0-0-0

RK-ON 28 DEC 76

18:10:25



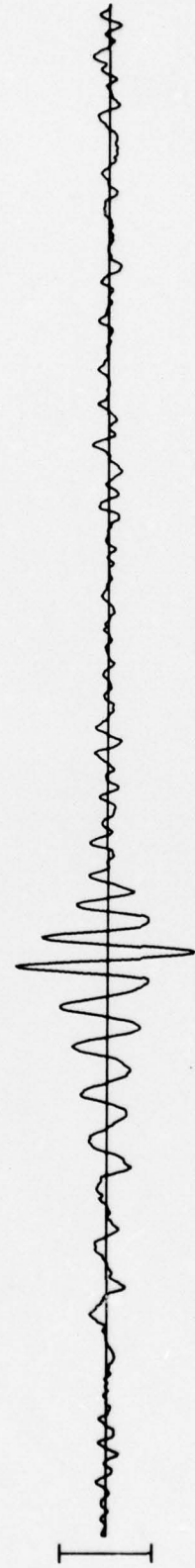
120 SEC

HN-ME 28 DEC 76

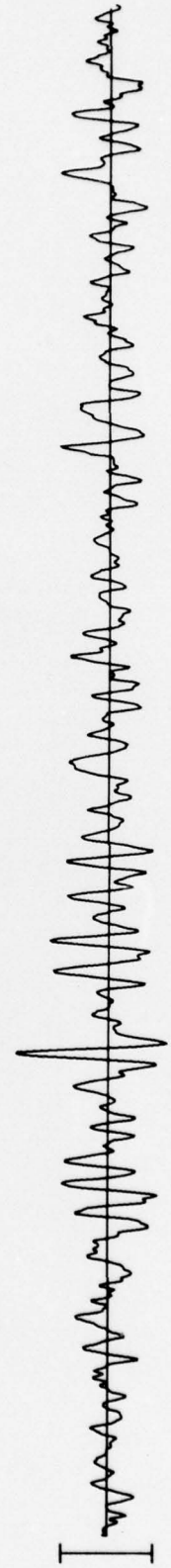
18:20:00



LPZ
650.00 MU



LPR
446.00 MU



LPT
172.00 MU



LPZLO
631.00 MU

120 SEC