

① LEVEL II

ADA064286

SPECIAL DATA COLLECTION SYSTEM (SDCS)  
NTS Event "CREWLINE", 25 May 1977

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December 1978

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SDCS Event Report No. 137

NTS Event "CREWLINE", 25 May 1977

The report also contains

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	Latitude	Longitude	$m_b$	$M_s$
LASA	17:02:53.7	Origin time and location not published.			5.5	N/A
NORSAR	No bulletin published.					
Hagfors	17:11:40.9	17:00:02	37N	115W	5.6	N/A
SDAC/VELA		17:00:00.6	36.9N	115.9W	5.2	N/A

All SDAC stations were operational during this time period, and RK-ON and HN-ME recorded positive short-period signals. The Nevada stations were all clipped due to their close proximity to the event. RK-ON data were retrieved from the analog back-up system. Horizontal channels were rotated. TQ-MS began operation at this time, but background noise was too high for several months to detect an event.

Long-period was negative at all SDCS stations. High background noise on the HN-ME long-period system was caused by a thunderstorm.

There were no tapes recorded from the SDAC/VELA detection processor for this time period; therefore, no waveforms from LASA or NORSAR are available.

LASA data are reported from the LASA Data Center Teleseismic Report, Hagfors data are from their bulletin and SDAC/VELA data are from their summary.

Scaling factors on plots are millimicros at 1 Hz (not corrected for system response).

ACCESSION for	
NTIS	Write Section <input checked="" type="checkbox"/>
DDC	Ball Section <input type="checkbox"/>
UNANNOUNCED	<input type="checkbox"/>
JUSTIFICATION	
BY	
DISTRICT/EMPLOYEE CODES	
Dist.	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
YF-iV	Nevada Test Site	37 04 06.0 N 116 00 07.0 W	1271	18300	N/A
YF4NV	Nevada Test Site	37 04 29.0 N 116 02 12.0 W	1244	18300	N/A
TQ-MS	Tatum Dome, Miss	31 07 58.0 N 89 34 16.0 W	130	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 --

25MAY INPUT FOR EVENT 25 MAY 77  
 17:00:00.0 37.000N 116.000W 0KM.

STA.	TIME	SURF( CKM.)		DIST		AZI	
		TRAV.TIME	DEG.	KM.	EVT-STA	STA-EVT	
YF-NV P	17 00 01.3	0:01.3	0.07	7.5862	358.678	178.677	
YF4NV P	17 00 01.5	0:01.5	0.08	8.9117	338.538	158.516	
OB2NV P	17 00 04.3	0:04.3	0.23	25.4909	348.443	168.408	
LAO P	17 02 52.8	2:52.8	12.11	1346.3806	33.872	220.403	
RK-ON P	17 04 45.4	4:45.4	21.10	2346.6204	41.990	237.640	
TQ-MS P	17 05 01.4	5:01.4	22.63	2515.8154	97.207	292.145	
HN-ME P	17 07 06.8	7:06.8	36.58	4067.1921	60.108	273.026	
NAO P	17 11 32.3	11:32.3	73.31	8151.6133	24.170	318.013	
HFS P	17 11 40.7	11:40.7	74.76	8312.8984	23.524	320.323	

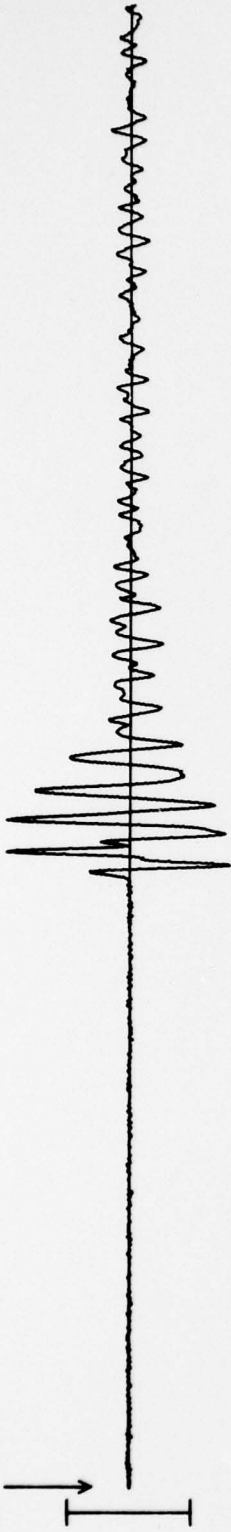
67 HERRIN TRAVEL TIME TABLES

SURF			
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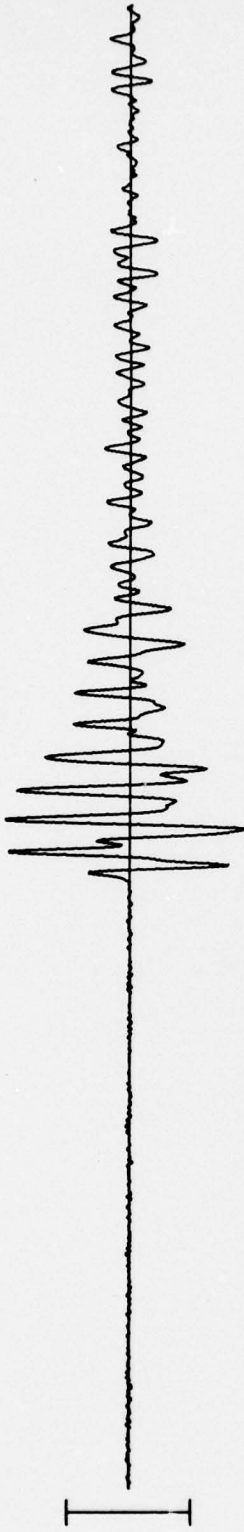
RK-ON 25 MAY 77

17:04:21.5

SPZ  
336.81 MU



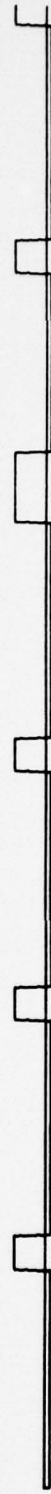
SPR  
272.15 MU



SPT  
63.57 MU



TIME



10 SEC

HN-ME 25 MAY 77

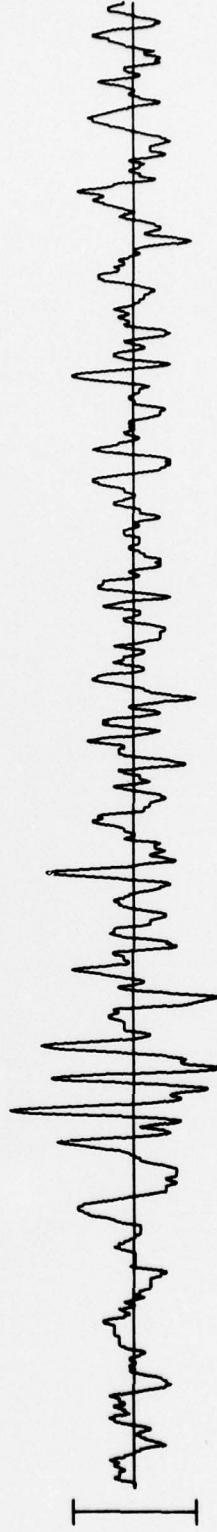
17:06:55.0



SPZ  
84.56 MU



SPR  
52.64 MU



SPT  
26.02 MU

10 SEC