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(SDCS)

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Eastern Kazakh SSR, 19 May 1976.

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

Alexandria Laboratories

Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

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SDCS EVENT REPORT NO. 104

Eastern Kazakh SSR, 19 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	03:04:18.3	02:56:48	49 N 080 E	4.6	N/A	
Hagfort	03:04:08.7	02:56:56	50 N 079 E	5.2	N/A	

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

02:57:05.4 50.8N 077.7E 4.6 N/A

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 WH2YK, RK-ON, LASA and NORSAR. HN-ME, CPSO and FN-WV did not record "P" arrivals for this event and are not included in this report. Horizontal SP channels at WH2YK and RK-ON were rotated.

The SDCS stations did not record long-period signals for this event and are not included in this report.

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

1-1

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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 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 19 MAY 76
 02:57:00.0 49.000N 80.000E 0KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CALC	REST	REST	REST
NAO	03 04 18.3	0.2	0.2	37.3	312.0
WH2YK	03 07 51.4	0.2	0.2	65.8	16.9
RK-ON	03 09 06.3	-1.1	-1.1	78.5	354.5
LAO	03 09 31.4	0.6	0.6	82.9	2.7

67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
02:57:05.4	50.751N	77.737E	0. CALC	0.7	4	4
02:57:05.4	50.751N	77.737E	0. REST	0.7	4	4

CALC			REST		
1	2	0	1	2	0
0	0.0	0	0	0.0	0
0	0.0	0	0	0.0	0
0	0.0	0	0	0.0	0
0	0.0	0	0	0.0	0

CHIEF COVERAGE ELLIPSE; 95 PER CENT CONF..LEVEL, SDV= 0.99
 MAJOR 366.8KM. MINOR 43.6KM. AZ= 179 AREA= 50198 SQ.KM. REST

DATA SUMMARY

INPUT FOR EVENT 19 MAY 76
 02:57:00.0 49.000N 80.000E 0KM.

STA.	PHASE	ARRIVAL		INST	PER	A/T	MAGNITUDE		DIR	DIST
		TIME					MB	MS		
NAO	EP	03 04	18.3	AB	0.6	21.	4.52			37.3
WH2YK	EP	03 07	51.4	SPZ	0.7	13.	4.81			65.8
RK-ON	EP	03 09	06.3	SPZ	0.6	7.	4.39			78.5
LAO	EP	03 09	31.4	SAB	99.9	9999.				

ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA
02:57:05.4	50.751N	77.737E	0. CALC	4.58	0.22	3
02:57:05.4	50.751N	77.737E	0. REST	4.58	0.22	3

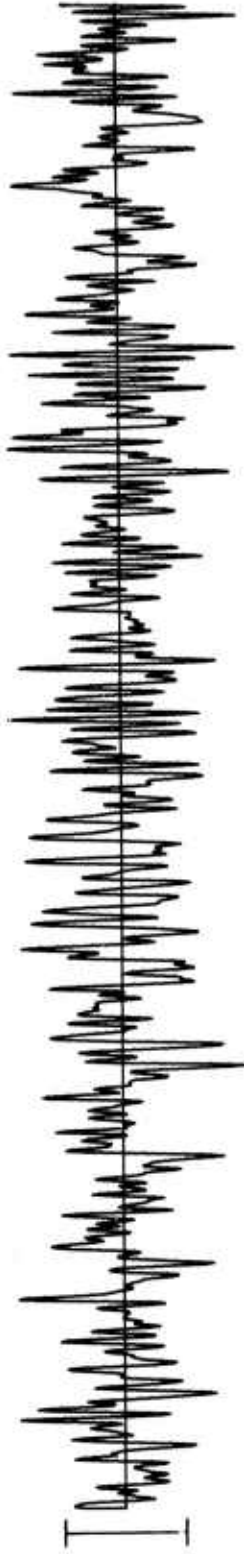
WH2YK 19 MAY 76

03:07:51.4

SPZ
11.36 MU



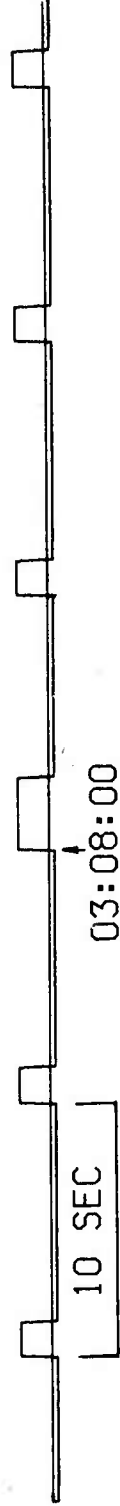
SPR
5.21 MU



SPT
8.44 MU



TIME



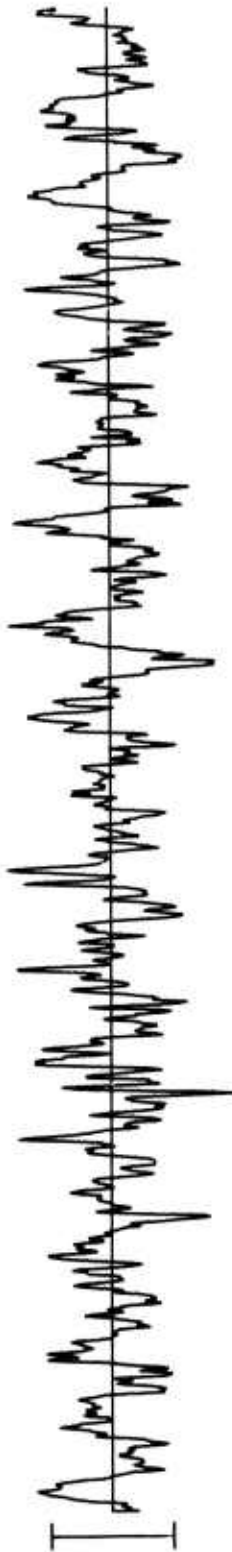
RK-ON 19 MAY 76

03:09:06.3

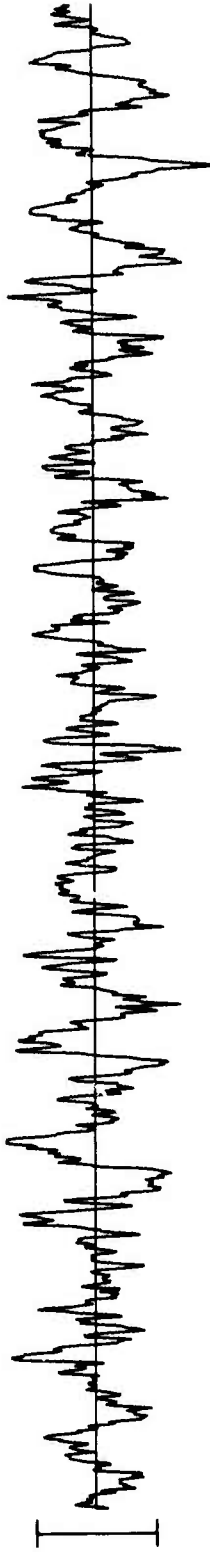
SPZ 7.84 MU



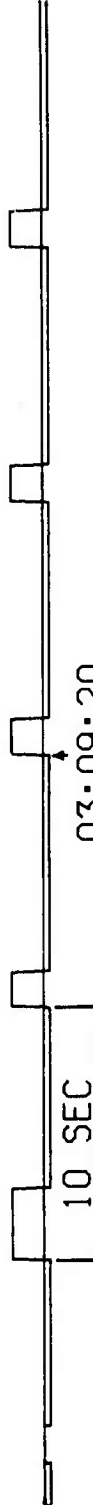
SPR 5.55 MU



SPT 5.45 MU



TIME



03:09:20