

AD-A054 196

TELEDYNE GEOTECH ALEXANDRIA VA ALEXANDRIA LABS
SPECIAL DATA COLLECTION SYSTEM (SDCS) EASTERN KAZAKH, SSR, 23 N--ETC(U)
MAR 78 M S DAWKINS
SDCS-ER-76-122

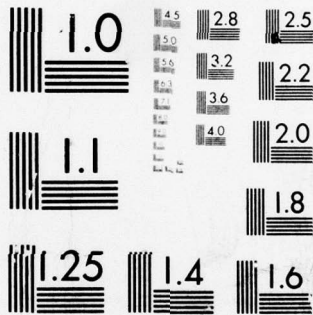
F/G 8/11
F08606-78-C-0007
NL

UNCLASSIFIED

| OF |
AD
A054 196



END
DATE
FILMED
7-78
DDC



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

FOR FURTHER TRAN " ~~IV~~ ~~12~~
AD054136

①

AD A 054196

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Eastern Kazakh, SSR, 23 November 1976

Michael S. Dawkins

Alexandria Laboratories ✓

Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

March 1978

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED.

Sponsored by

The Defense Advanced Research Projects Agency (DARPA)

ARPA Order No. 2551

Monitored by

AFTAC/VSC

312 Montgomery Street, Alexandria, Virginia 22314

AD No. ~~1~~
DDC FILE COPY

DDC
RECEIVED
MAY 23 1978
B

Disclaimer: Neither the Defense Advanced Research Projects Agency nor the Air Force Technical Applications Center will be responsible for information contained herein which has been supplied by other organizations or contractors, and this document is subject to later revision as may be necessary. The views and conclusions presented are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the Defense Advanced Research Projects Agency, the Air Force Technical Applications Center, or the US Government.

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 24 SDCS-ER-76-122	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) 6 SPECIAL DATA COLLECTION SYSTEM (SDCS) Eastern Kazakh, SSR, 23 November 1976.		5. TYPE OF REPORT & PERIOD COVERED 9 Technical rept.
7. AUTHOR(s) 10 Michael S. Dawkins		6. PERFORMING ORG. REPORT NUMBER VT/8709
9. PERFORMING ORGANIZATION NAME AND ADDRESS Teledyne Geotech 314 Montgomery Street Alexandria, Virginia 22314		8. CONTRACT OR GRANT NUMBER(s) 15 F08606-78-C-0007
11. CONTROLLING OFFICE NAME AND ADDRESS Defense Advanced Research Projects Agency Nuclear Monitoring Research Office 1400 Wilson Blvd., Arlington, Virginia 22209		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) VELA Seismological Center 312 Montgomery Street Alexandria, Virginia 22314		12. REPORT DATE 11 3 Mar 78
		13. NUMBER OF PAGES 9 2221
		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)		

405 601

pk

SDCS Event Report No. 122

Eastern Kazakh, SSR, 23 November 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 → provided. ↗

	"P" Arrival	Origin Time	Lat.	Long.	m _b	M _s
LASA and	05:15:29.4	Unpublished	50.0N	080.9E	5.8	N/A
Hagfors	05:10:11	05:03:02	50N	079E	6.7	N/A

All SDCS stations were operational during this time period, and all recorded positive short-period signals for this event. Horizontal channels were rotated. Long-period at all SDCS stations was negative.

Information for LASA is from the LASA Data Center Teleseismic Report. Hagfors data is from their bulletin. NORSAR is still not publishing a bulletin at this time.

There were no tapes recorded from the SDAC/VELA Network detection processor for this time period, therefore, no LASA or NORSAR waveform data is recoverable.

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

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

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 --

23NOV INPUT FOR EVENT 23 NOV 76
 05:03:00.0 50.000N 79.000E 0KM.

STA.	P	TIME	SURF(CKM.)		DIST		AZI	
			TRAV.TIME	DEG.	KM.	EVT-STA	STA-EVT	
HFS	P	05 10 11.9	7:11.9	37.22	4138.9727	311.262	75.749	
NAO	P	05 10 22.0	7:22.0	38.42	4271.7109	312.945	74.590	
RK-ON	P	05 15 06.5	12:06.5	79.34	8822.7148	355.280	4.804	
HN-ME	P	05 15 10.3	12:10.3	80.03	8898.9531	337.387	20.915	
LAO	P	05 15 29.0	12:29.0	83.59	9294.4375	3.615	356.611	
NT-NV	P	05 16 10.2	13:10.2	92.04	10234.0000	12.252	350.115	
NT2NV	P	05 16 10.4	13:10.4	92.08	10239.4727	12.152	350.198	
OB3NV	P	05 16 10.5	13:10.5	92.13	10244.2227	11.973	350.344	
OB2NV	P	05 16 10.5	13:10.5	92.14	10244.9961	11.977	350.342	

67 HERRIN TRAVEL TIME TABLES

```

SURF
2 . 5
2 . 0
0 0 . 0
. . . . .
0 0 . 0
0 . 0
0 . 0
    
```

95 PERCENT CONFIDENCE ON DEPTH CHISQUARE WITH DISTANCE VARIANCE = ± 0.000

RK-ON 23 NOV 76

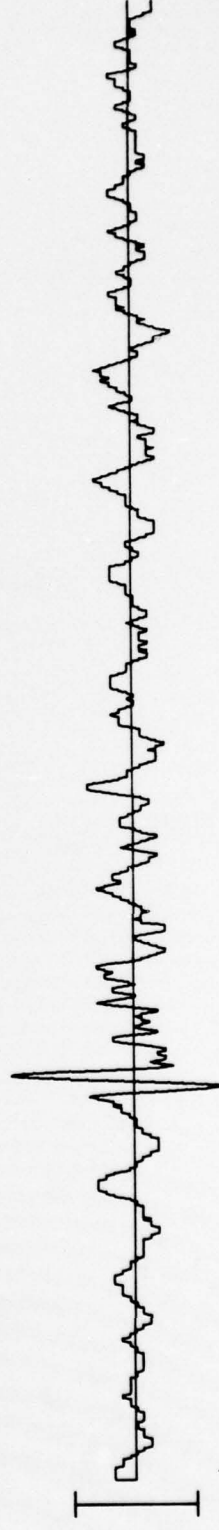
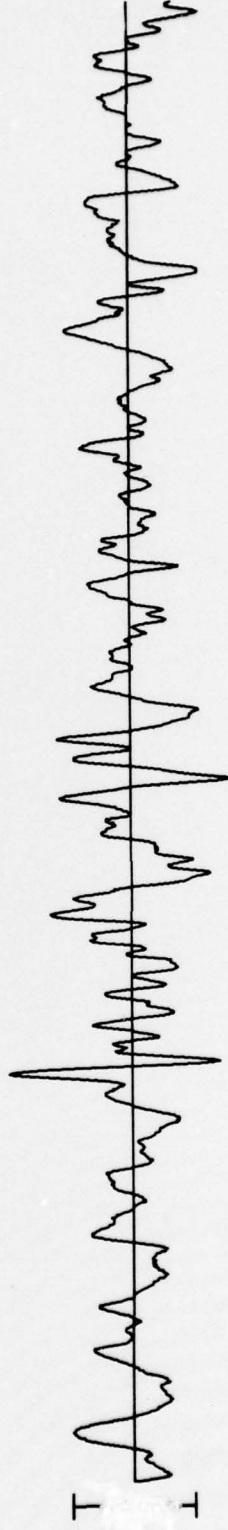
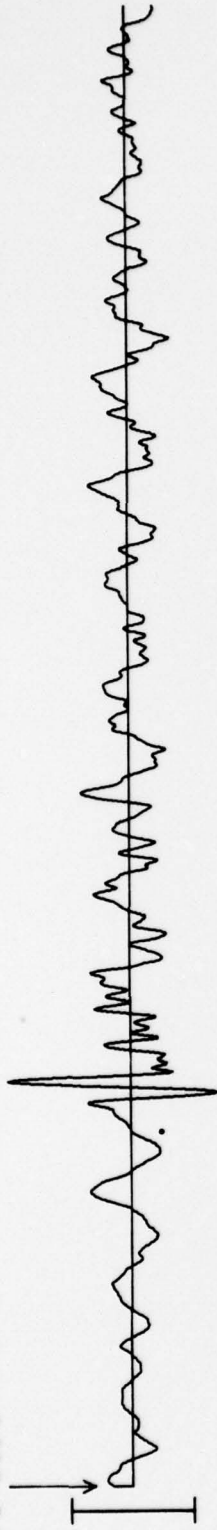
05:14:50.0



10 SEC

HN-ME 23 NOV 76

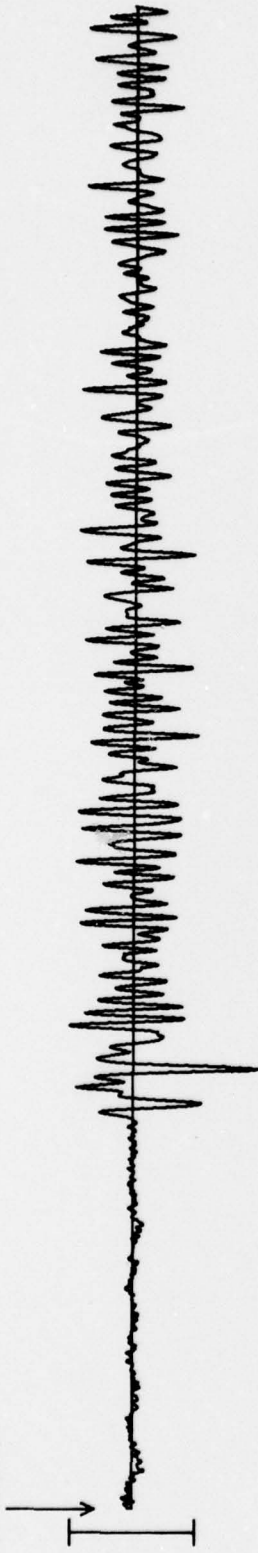
05:14:55.0



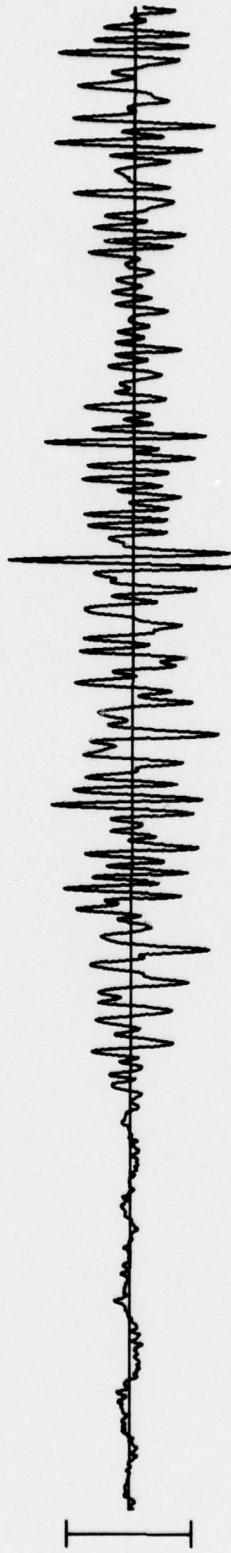
10 SEC

NT-NV 23 NOV 76

05:15:55.0



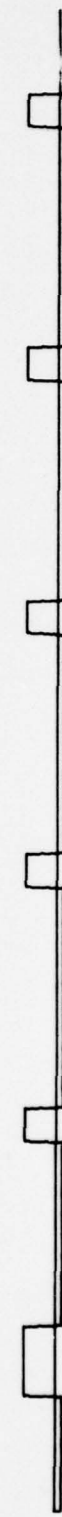
SPZ
80.13 MU



SPR
56.40 MU



SPT
53.60 MU



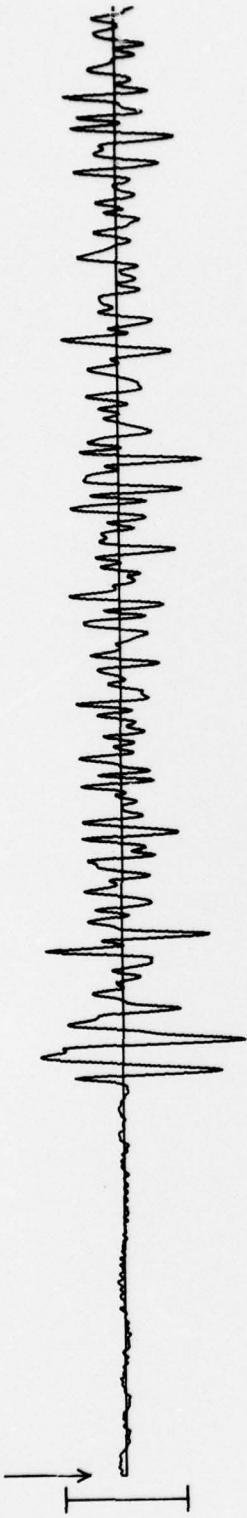
TIME

10 SEC

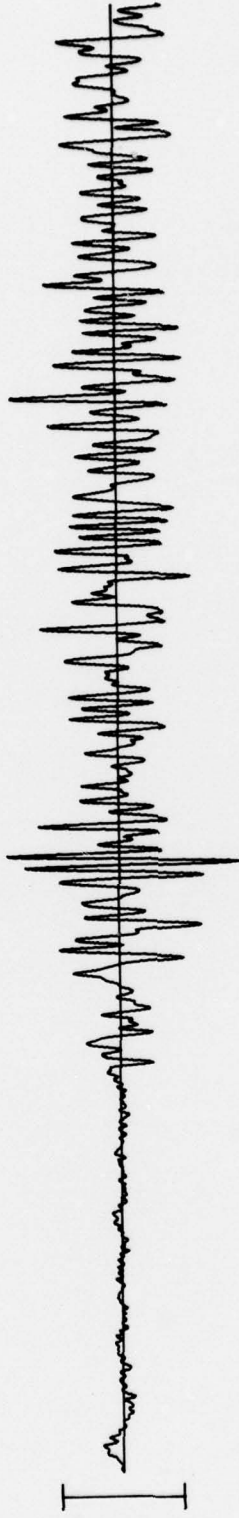
NT2NV 23 NOV 76

05:15:55.0

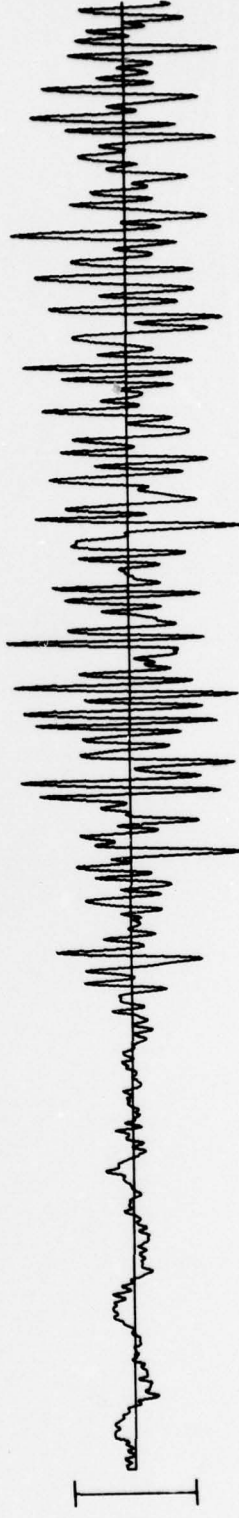
SPZ
52.80 MU



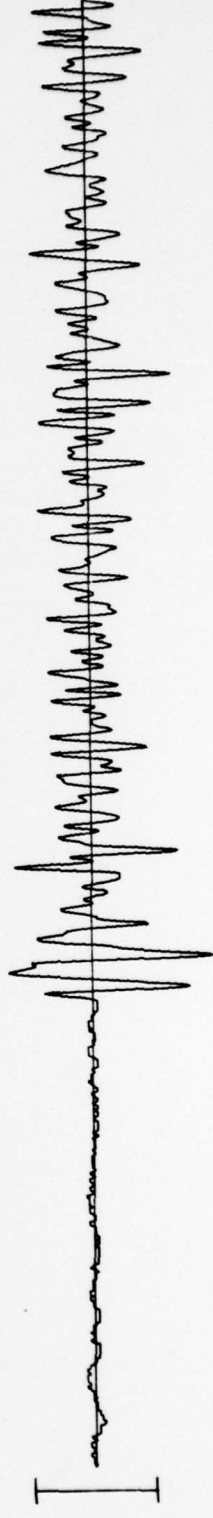
SPR
34.35 MU



SPT
32.02 MU



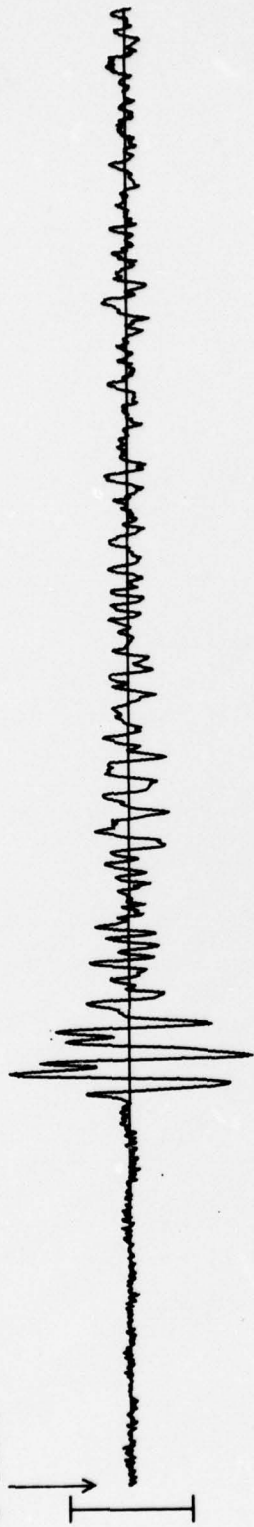
SPZLO
54.28 MU



10 SEC

OB2NV 23 NOV 76

05:15:55.0



SPZ
41.61 MU



SPR
16.99 MU



SPT
13.91 MU



TIME

LMED
-78