

AD-A018 382

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT, CENTRAL
KAZAKH SSR, 28 FEBRUARY 1975

J. R. Woolson, et al

Teledyne Geotech

Prepared for:

Defense Advanced Research Projects Agency
Air Force Technical Applications Center

September 1975

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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Central Kazakh SSR, 28 February 1975

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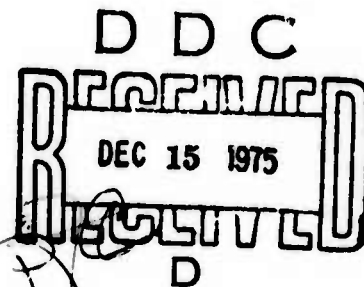
September 1975

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER SDCS-ER-75-13	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) SPECIAL DATA COLLECTION SYSTEM (SDCS) Central Kazakh SSR, 28 February 1975		5. TYPE OF REPORT & PERIOD COVERED Technical
7. AUTHOR(s) Woolson, J. R., Solari, D. D., Reinbold, D. J., and Markle, R. J.		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Alexandria Laboratories 314 Montgomery Street Alexandria, Virginia 22314		8. CONTRACT OR GRANT NUMBER(s) F08606-74-C-0013
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 T/4703
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) VELA Seismological Center 312 Montgomery Street Alexandria, Virginia 22314		12. REPORT DATE 8 September 1975
		13. NUMBER OF PAGES 10 12
		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)		

DD FORM 1 JAN 73 1473

EDITION OF 1 NOV 65 IS OBSOLETE

Unclassified

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SDCS Event Report No. 13

Central Kazakh SSR, 28 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	Lat.	Long.	Depth	m_b	M_s
NORSAR	23:56:34	36.2N	071.2E	200 km	5.7	-
LASA	23:57:05	42.1N	071.0E	210 km	5.6	-
PDE	23:56:37	36.5N	070.7E	200 km	5.3	-
Hagfors Array, Sweden	-	35 N	071 E	-	6.3	4.0
SDCS and Arrays	Source parameters not calculated				5.9*	-

*Determined using LASA, NORSAR and WH2YK.

RK-ON, FN-WV and CPSO were not operational for this event.

Short-period signals associated with this event were recorded at WH2YK, LASA and NORSAR. In view of the limited data, no attempt was made to compute a hypocenter.

The WH2YK horizontal channels have been rotated to effect radial and transverse orientations relative to the event source location.

Severe spiking problems on the short-period system at HN-ME precluded signal identification. SDCS long-period signals were not identifiable by visual analysis. Long-period array data is inconclusive. ALPA radial and transverse data were not recoverable.

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.

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 35 085 34	41.4 N 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32 079 30	58.0 N 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41 106 13	19.0 N 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09 067 59	43.0 N 09.0 W	213	18300	SL210 V SL220 H
NORSAR	Kjeller,	60 49 010 49	25.4 N 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50 093 40	20.0 N 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41 134 58	41.0 N 02.0 W	853	18300	SL210 V SL220 H

Notes:

Details of the program used to obtain beamed vertical, radial and transverse long-period data at LASA, ALPA, and NORSAR are in the process of being reviewed. Vertical beams are probably valid, horizontal beams at the LASA and NORSAR are questionable.

DATA SUMMARY

Sta.	Phase	Arrival* Time	Inst.	Per	A/T	Magnitude**		Dist.***
						m_b	M_s	
NAO	EP	00:04:28.2	AB	0.8	243.0	5.81	--	40.2
WH2YK	EP	00:08:29.6	SPZ	0.8	151.5	6.00	--	75.2
LAO	EP	00:09:48.1	AB	0.9	70.8	5.95	--	91.4

Average m_b = 5.92

* All arrivals are 1 March 1975

** For event source at surface

*** Distances are calculated to LASA epicenter

WH2YK 01 MAR 75

SPZ
119.22 MU

00:00:29.6

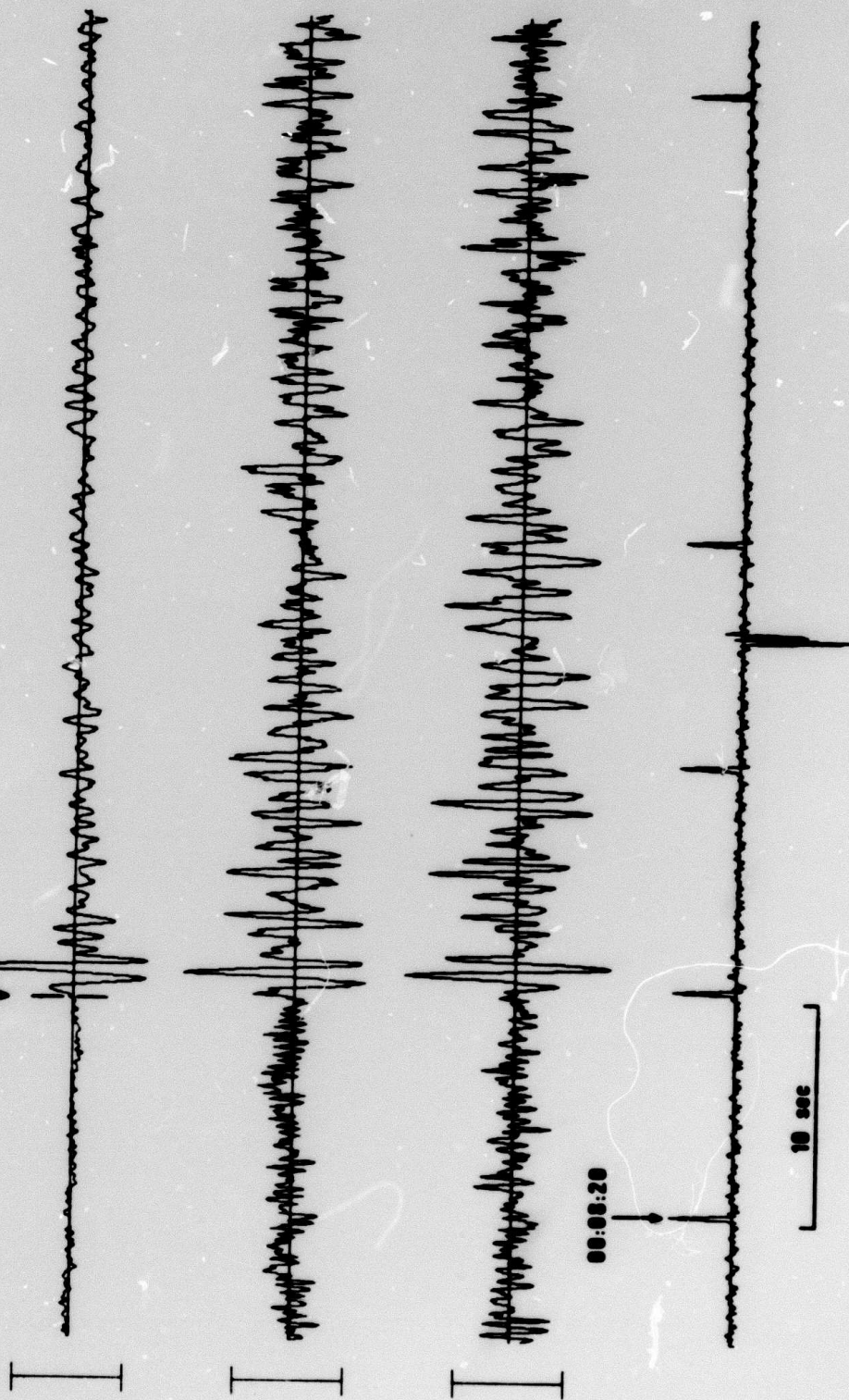
SPR
34.24 MU

SPT
31.97 MU

00:00:20

TIME

10 sec



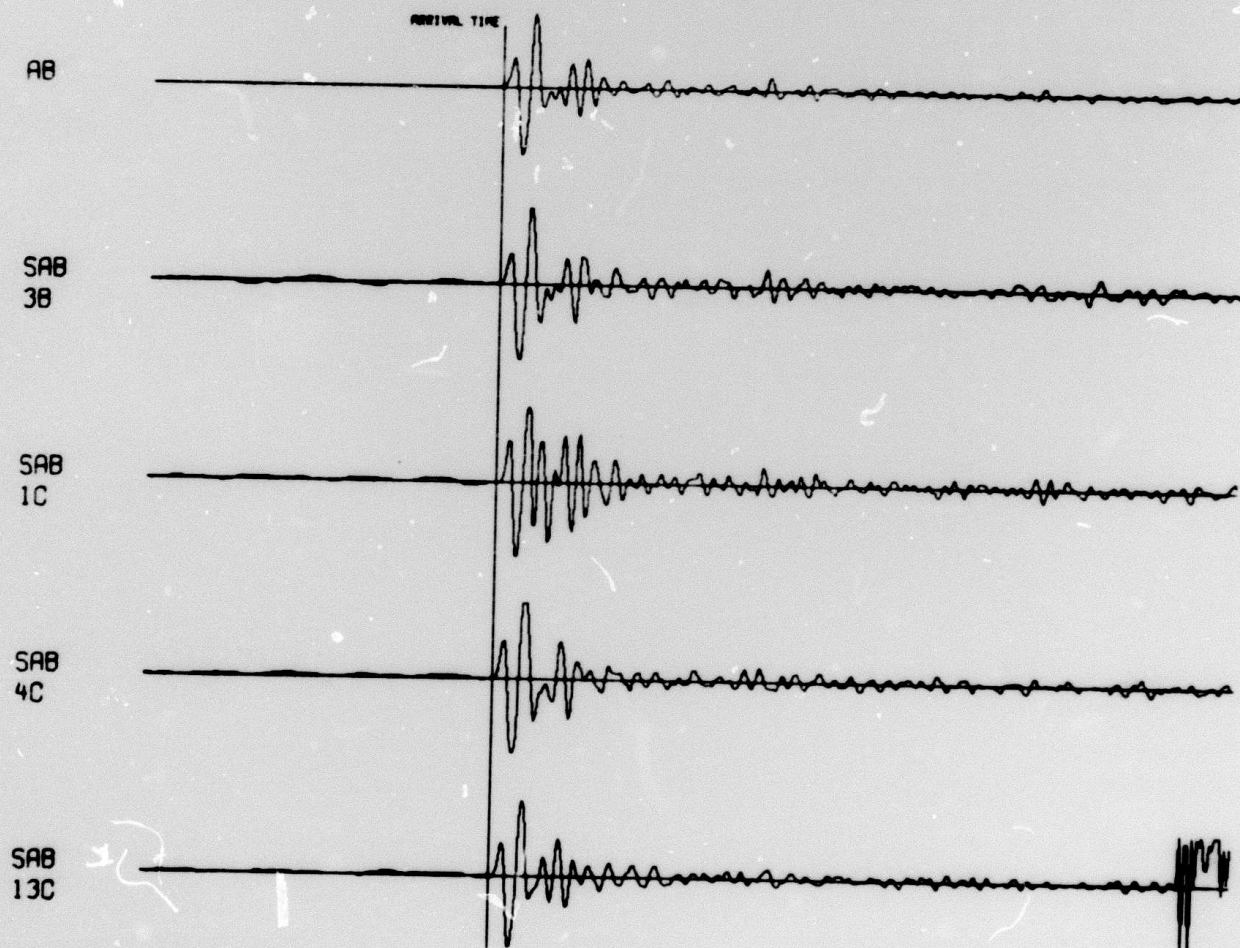
NORSAR EVENT FILE

1975 MAR 1

EPX NO. 69540 ARR. 0.4.28.3 35.3N 72.0E 5.8MB 33KM

DIST = 46.0 AZI = 95.0 AMP = 139.5 PER = 0.9 UMETH 2

— = 5 SECONDS



LASA

1 1 MAR 1975

2 23 57 6 42.1N 71.0E 210G B 5.6 713 CENTRAL KAZAKH SSR

3 0 9 48.8 LAO P 38.2 0.9 24.0 91.6 2.1

EPX 19880

BP-B 0.6-2.0 HZ

ABN 7.2

00:09:38.8

AB 94

FAB 95

PAB1 89

PAB2 110

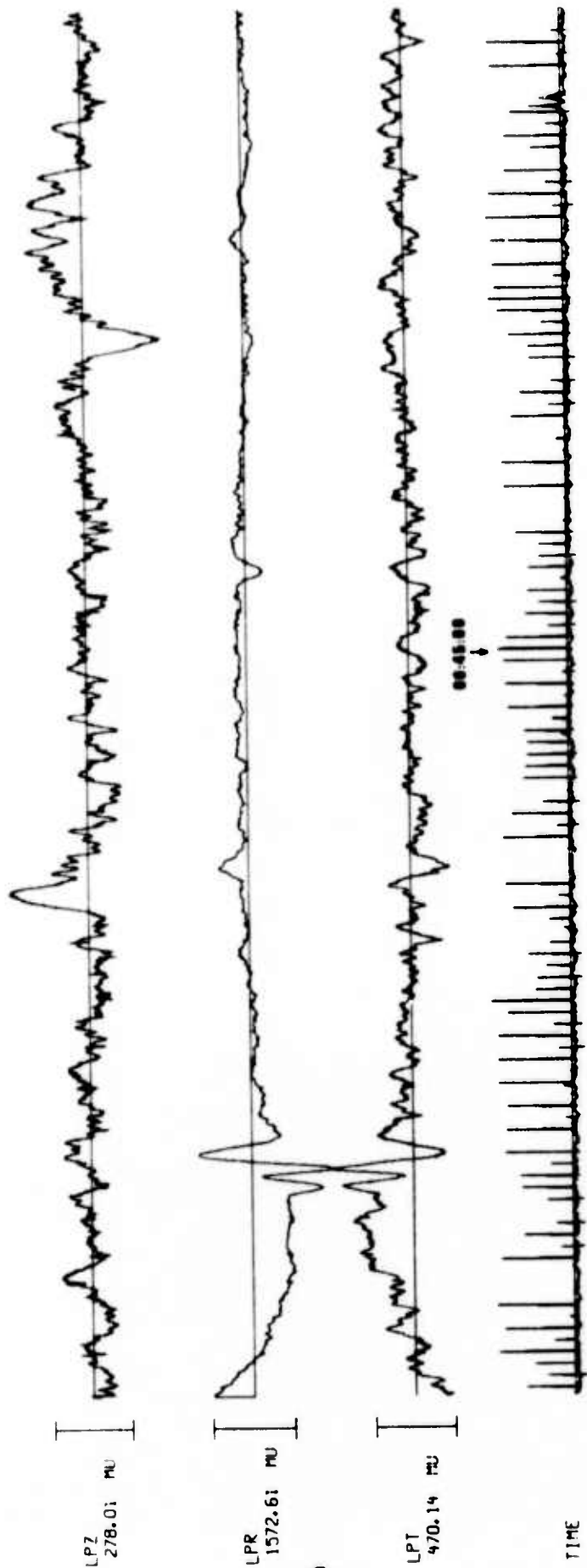
PAB3 110

PAB4 82

10 sec

7

WH2YK 01 MAR 75



8.

NORSAR LONG-PERIOD BEAMS

01 MARCH 75

LP VERTICAL

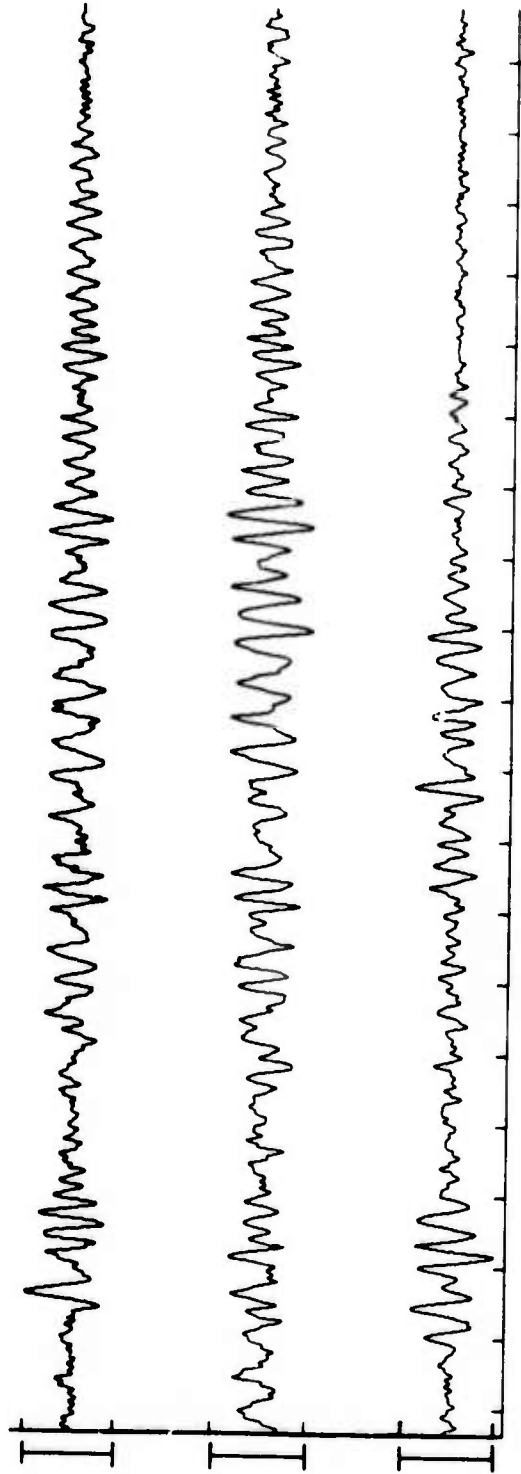
302 mp

LP RADIAL

193 mp

LP TRANSVERSE

317 mp



00:12:40.0

2 min

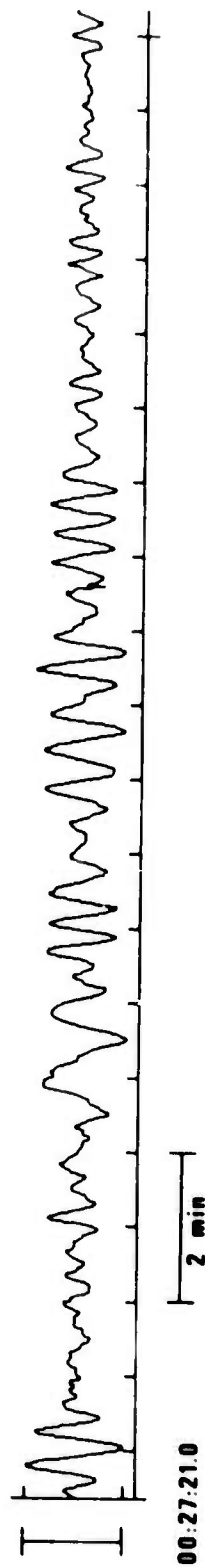
ALPA LONG-PERIOD BEAM

01 MARCH 75

10.

LP VERTICAL

143 mμ



LASA LONG-PERIOD BEAMS

01 MARCH 75

LP VERTICAL

169 mμ

LP RADIAL

147 mμ

LP TRANSVERSE

152 mμ

