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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
NTS EVENT 'BILLET', 27 July 1976.

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SDCS EVENT REPORT NO. 109

NTS Event "BILLET", 27 July 1976

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the ^{Billet} above event. Published epicenter information from seismic observations is:

	"P" Arrival	Origin Time	Lat.	Long.	m_b	M_s
NORSAR	20:41:32.8	20:30:07	38.1N	115.7W	5.3	N/A
Hagfors	20:41:41.0	20:30:02	38N	117W	5.7	N/A

Using SDCS stations, the epicenter location and magnitudes become

20:30:06.7 37.9N 115.7W 5.0 N/A

The Cumberland Plateau Seismic Observatory (CP-SO) was inoperative for this event.

Short-period signals shown in this report were recorded at RK-ON, WH2YK, FN-WV, and HN-ME. Due to necessary tight filtering to extract the signal from the LP coda of the preceeding N.E. China event, all SDCS data were retrieved from the analog backup system. Filter parameters were: high cutoff =40.0 Hz, low cutoff =0.4 Hz, both at a rate of 24dB per octave. Horizontal channels were rotated when that data was recoverable. NORSAR and Hagfors data were taken from their bulletins.

Long period data for this event was unrecoverable due to high background.

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

ACCESSION for	
NTIS	White Section ☒
DDC	Buff Section ☐
UNANNOUNCED	☐
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STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION	
				SHORT-PERIOD	LONG-PERIOD
CPS0	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

DATA SUMMARY

27 Jul INPUT FOR EVENT
20:30:00.0 37.000N

27 Jul 76
116.000W OKM.

STA.	PHASE	ARRIVAL TIME	INST	PER	A/T	MAGNITUDE MB	MS	DIR	DIST
RK-ON	EP	20 34 43.7	SPZ	0.8	673.	5.56			20.4
WH2YK	EP	20 35 40.0	SPZ	0.7	32.	4.60			26.0
FN-WV	EP	20 36 00.4	SPZ	0.7	17.	4.53			38.3
HN-ME	EP	20 37 08.2	SPZ	0.7	117.	5.38			35.9

ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA
20:29:31.7	37.489N	115.897W	0. CALC	5.03	0.53	4
20:30:06.7	37.919N	115.664W	0. REST	5.02	0.53	4

RK-ON 27 JUL 76

20:34:43.7

SPZ
413.14 MU



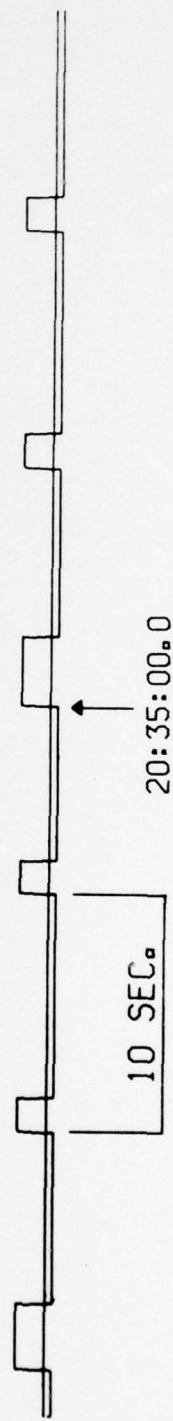
SPR
315.19 MU



SPT
80.59 MU



TIME



WH2YK 27 JUL 76
20:35:40.0

SPZ
24.19 MU



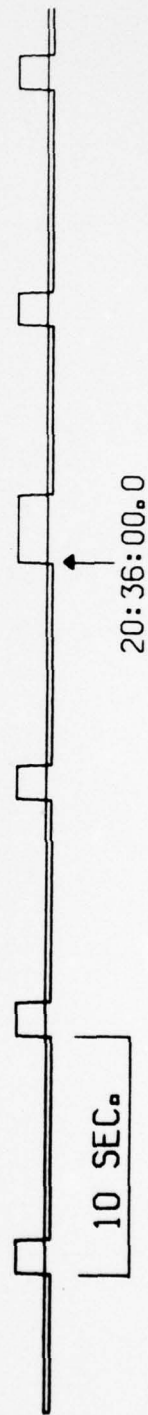
SPR
16.63 MU



SPT
13.34 MU



TIME



20:36:00.0

FN-WV 27 JUL 76
20:36:00.4

SPZ
14.68 MU



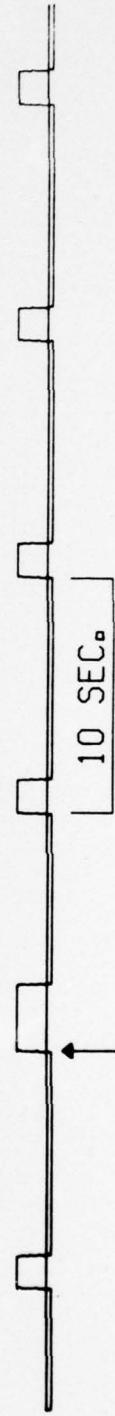
SPR
17.07 MU



SPT
11.59 MU



TIME



10 SEC.

20:36:00.0

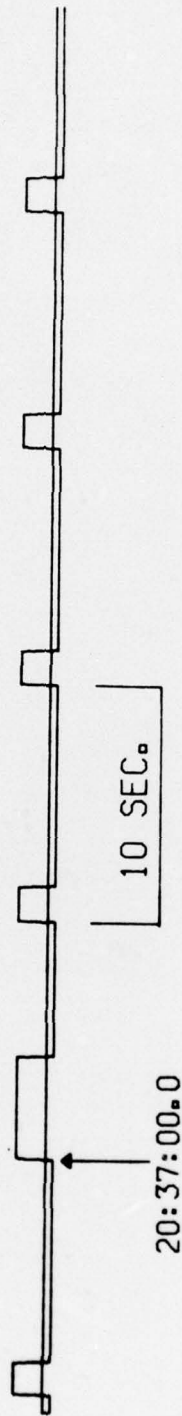
HN-ME 27 JUL 76

20:37:08.2



SPZ
92.08 MU

TIME



20:37:00.0

10 SEC.