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**SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Tuamotu Archipelago Region, 11 July 1976**

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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

SDCS Event Report No. 110

Tuamotu Archipelago Region, 11 July 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
	PkPD					
NORSAR	00:49:22.1	00:30:11.0	14.1S	161.7W	4.3	N/A
Hagfors	Negative					

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

00:30:01.5	21.7S	138.9W	4.4	N/A
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RK-ON was inoperative during this period.

Short-period signals associated with this event were recorded at all operative SDCS stations, LASA, and NORSAR. All SDCS data were retrieved from the field station digital tapes, and horizontal channels were rotated. LASA data was taken from the LDC Teleseismic Report; data reported for NORSAR is from their bulletin.

Long-period at all stations was negative.

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

ACCESSION for		White Section ☒
NTIS		Buff Section ☐
DDC		
UNANNOUNCED		
JUSTIFICATION		
BY		
DISTRIBUTION/AVAILABILITY CODES		
Dist.	AVAIL.	SPECIAL
A		

HYPOCENTER DETERMINATION

11JUL INPUT FOR EVENT 11 JUL 76 (76193)

STA.	PHASE	ARRIVAL	INST	PER	A/T	MAGNITUDE		DIP	DIST
		TIME				MB	MS		
LAO	EP	0:41:39.5	SAB	1.2	16.	4.71			74.2
CPO	EP	0:41:50.4	SPZ	1.3	21.	4.92			76.1
FN-WV	EP	0:42:22.4	SPZ	0.9	2.	3.79			81.7
HN-ME	EP	0:43:16.0	SPZ	1.0	2.	4.12			93.0
WH2YKD	EP	0:42:23.4	SPZ	1.9	0.	0.0			115.4
NAO D	EP	0:49:22.1	AB	0.7	3.	0.0			135.5

ORIGIN	LATITUDE	DEG	MIN	LONGITUDE	DEG	MIN	DEPTH	MAG
0:30:02.0	21.675S	(21	40.5)	138.865W	(138	51.9)	3.CALC	4.38
0:30:01.5	21.682S	(21	40.9)	138.869W	(138	52.1)	0.REST	4.38

Short-period magnitudes (m_b) used in averaging are restricted to those recorded at distances between 20 and 110 degrees from the epicenter.

DATA SUMMARY

11JUL INPUT FOR EVENT 11 JUL 76 (76193)

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CALC	REST	REST	REST
LAO	0:41:39.6	0.0	0.0	74.2	22.7
CPO	0:41:50.4	-0.4	-0.4	76.1	42.3
FN-WV	0:42:22.4	0.7	0.7	81.7	43.0
HN-ME	0:43:16.0	-0.3	-0.3	93.0	41.1
WH2YK	0:42:23.4	0.0 D	0.0 D	115.4	31.9
NAO	0:49:22.1	0.0 D	0.0 D	135.5	20.7

67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	DEG	MIN	LONG.	DEG	MIN	DEPTH(KM)	SDV	IT	STA
0:30:02.0	21.675S	(21	40.5)	138.865W	(138	51.9)	3.CALC	0.5	4	4
0:30:01.5	21.682S	(21	40.9)	138.869W	(138	52.1)	C.REST	0.5	3	4

CALC				REST			
0	0	1		0	0	1	
0	0	0	3	0	0	0	3
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	0	0	0	0	0	0	0

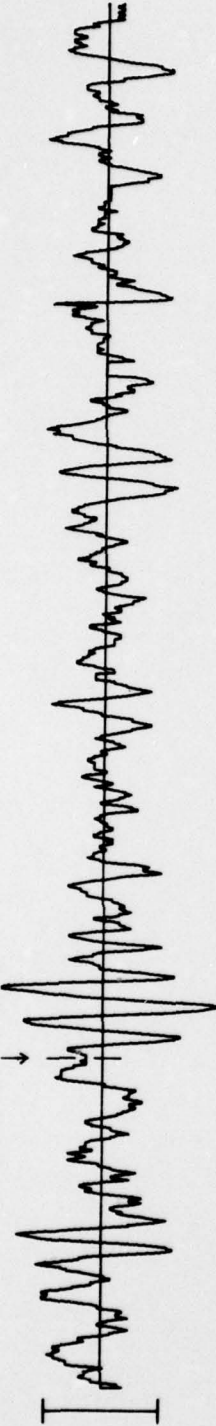
CHI2 COVERAGE ELLIPSE; 95% CONF.LEVEL, SDV= 0.87
 MAJOR 301.0KM. MINOR 137.7KM. AZ= 52 AREA= 130228 SQ.KM. REST

CPS0

11 JUL 76

00:41:50.4

SPZ
9.65 MU



SPR
5.30 MU



SPT
5.46 MU



00:41:36.0

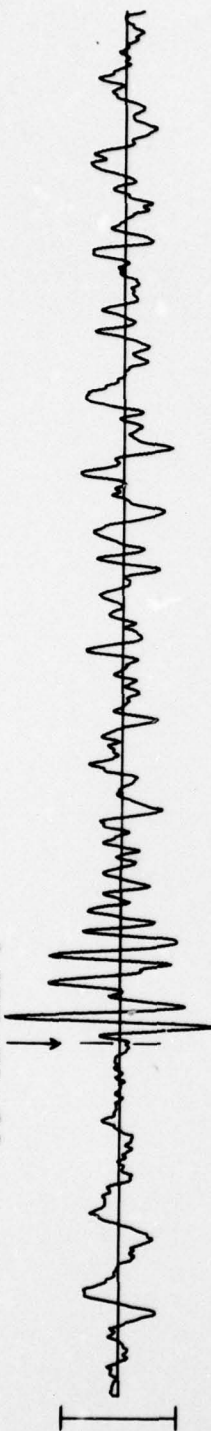
10 SEC.

FN-WV

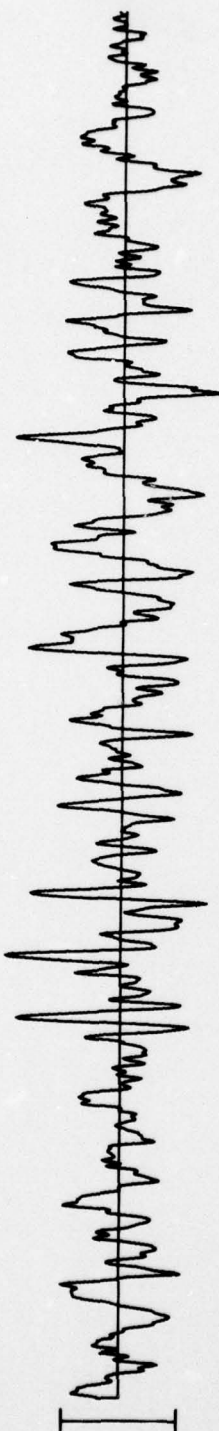
11 JUL 76

00:42:22.4

SPZ
11.97 MU



SPR
11.35 MU



SPT
12.93 MU



00:42:07.0

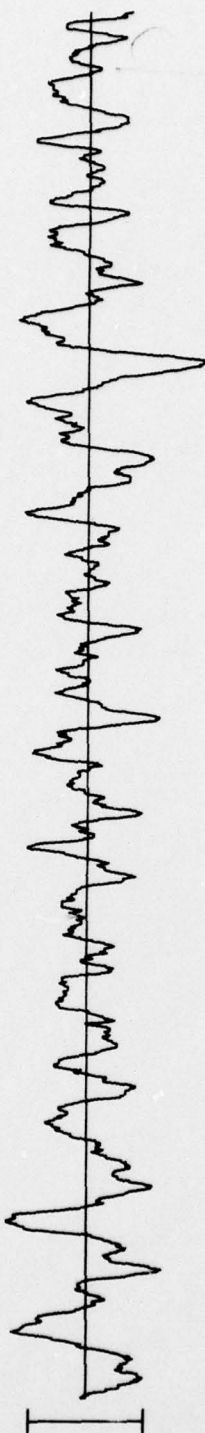
10 SEC.

HN-ME 23 JUL 76
00:43:16.0

SPZ
1.34 MU



SPR
1.30 MU



SPT
1.29 MU

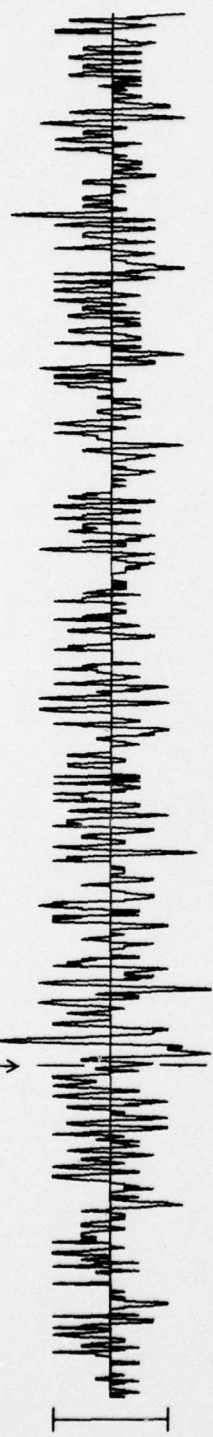


00:43:01.0

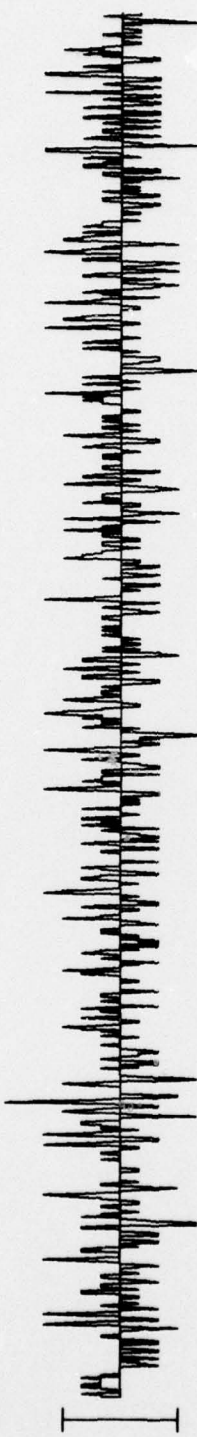
10 SEC.

WH2YK 11 JUL 76
00:42:23.4

SPZ
.08 MU



SPR
.06 MU



SPT
.08 MU



10 SEC.

00:42:09.0