

(200)
R290
no. 78-1100



UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

[Reports - open file series]

Central Basin Platform Seismicity

for the period

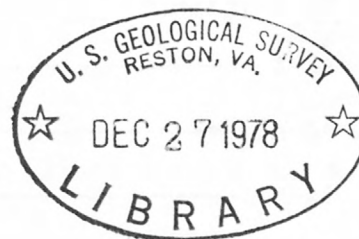
October 1, 1977, to June 30, 1978

By

G. R. Keller
Department of Geophysics
University of Texas, El Paso
El Paso, Texas

and

A. M. Rogers
U.S. Geological Survey



Open-File Report 78-1100

1978

292818

This report is preliminary and has not been
edited or reviewed for conformity with U.S.
Geological Survey standards and nomenclature.

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SUMMARY

This report serves as a compilation of the seismic data collected for the Central Basin Platform in Texas and New Mexico (and data processing completed) during the period October 1, 1977, to June 30, 1978. The data were recorded using a 12-station seismograph network that is radio-telemetered to Winkler County Airport, Texas, and subsequently relayed to Golden, Colorado, where the data are permanently stored on photographic film. These data are being collected to serve as a basis for assessing the seismic hazard to the Waste Isolation Pilot Plant in New Mexico.

The stations which have been operated as part of the Kermit array are shown in figure 1; the 12 circled symbols are stations currently operating. The number of stations operating each month is depicted in figure 2. The threshold of detection is roughly indicated by the letters A and B, where a B indicates that certain stations would detect an event occurring within the array only if its magnitude were greater than 1.5. An A indicates that certain stations would detect events less than magnitude 1.5 if they occurred within the array. Epicenter maps for the period October 1977 - June 1978 and the period February 1975 - June 1977 are shown in figures 3 and 4, respectively. These figures, along with the histogram shown in figure 5, provide a visual summary of earthquake activity in the area. The activity during this reporting period was similar to the activity observed in previous years with one notable exception. An earthquake swarm in the southwest corner of the array occurred during the period December 1977 to February 1978. Although this area (the War-Wink, S. gas field) has been active throughout the study, as shown by the histogram in figure 6, activity greatly increased during this swarm, producing 281 events that could be located. An epicenter map of this swarm is shown in figure 7. We hope to learn more about this area during the next phase of the project. A detailed listing of the data gathered for the period October 1, 1977, to June 30, 1978, is provided in Appendix A, where epicenter locations, phase lists, and monthly epicenter maps are provided.

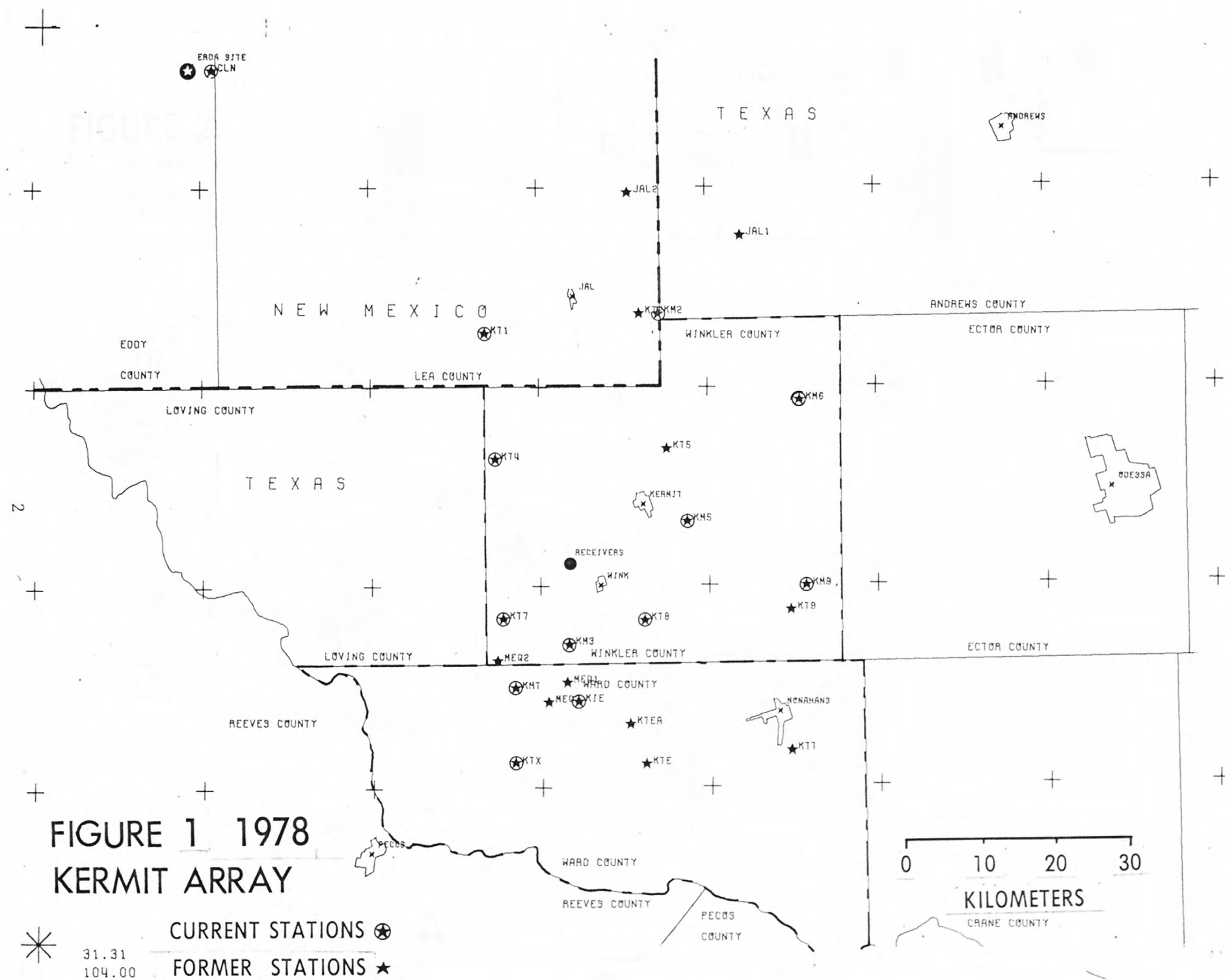
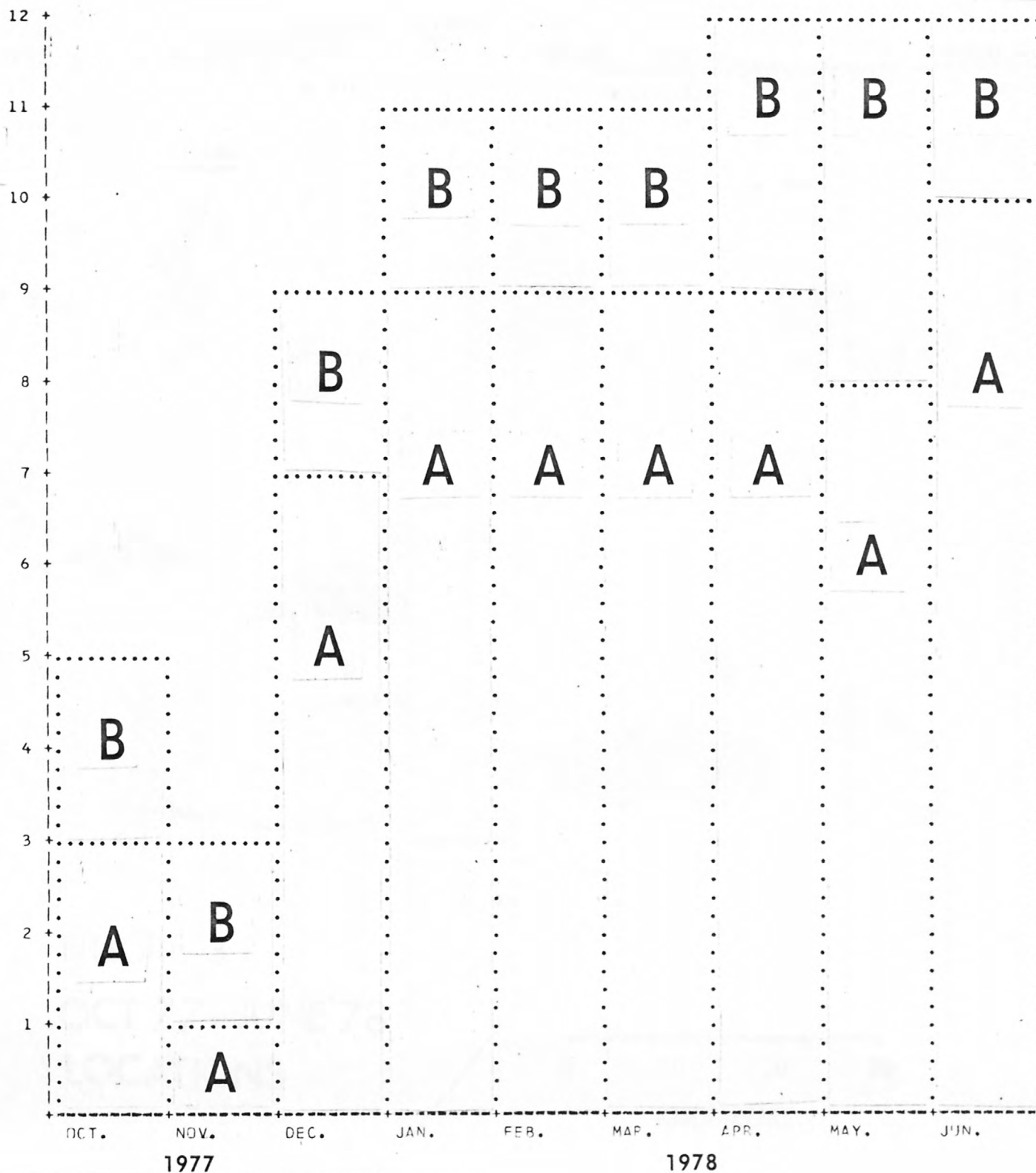


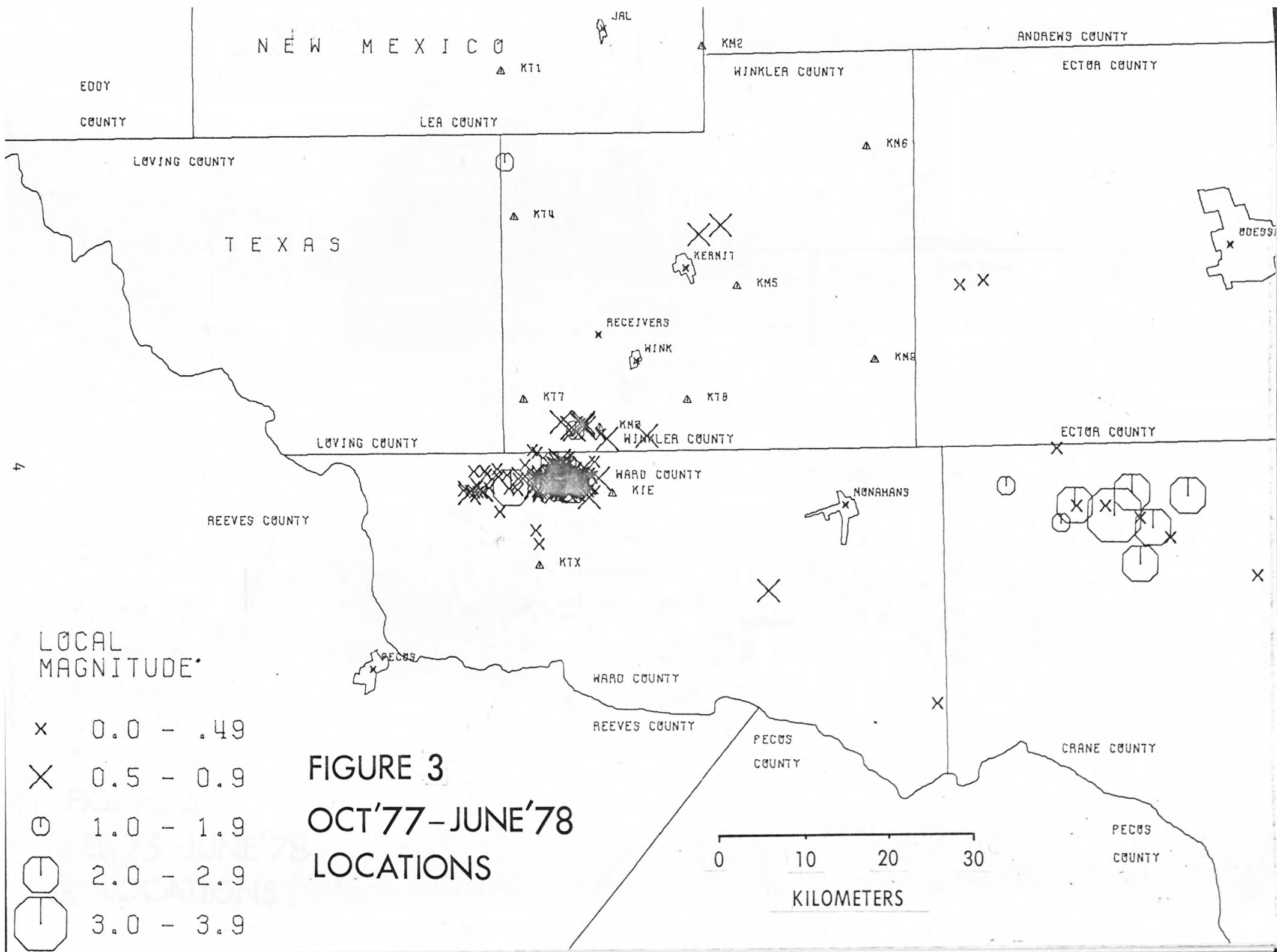
FIGURE 2

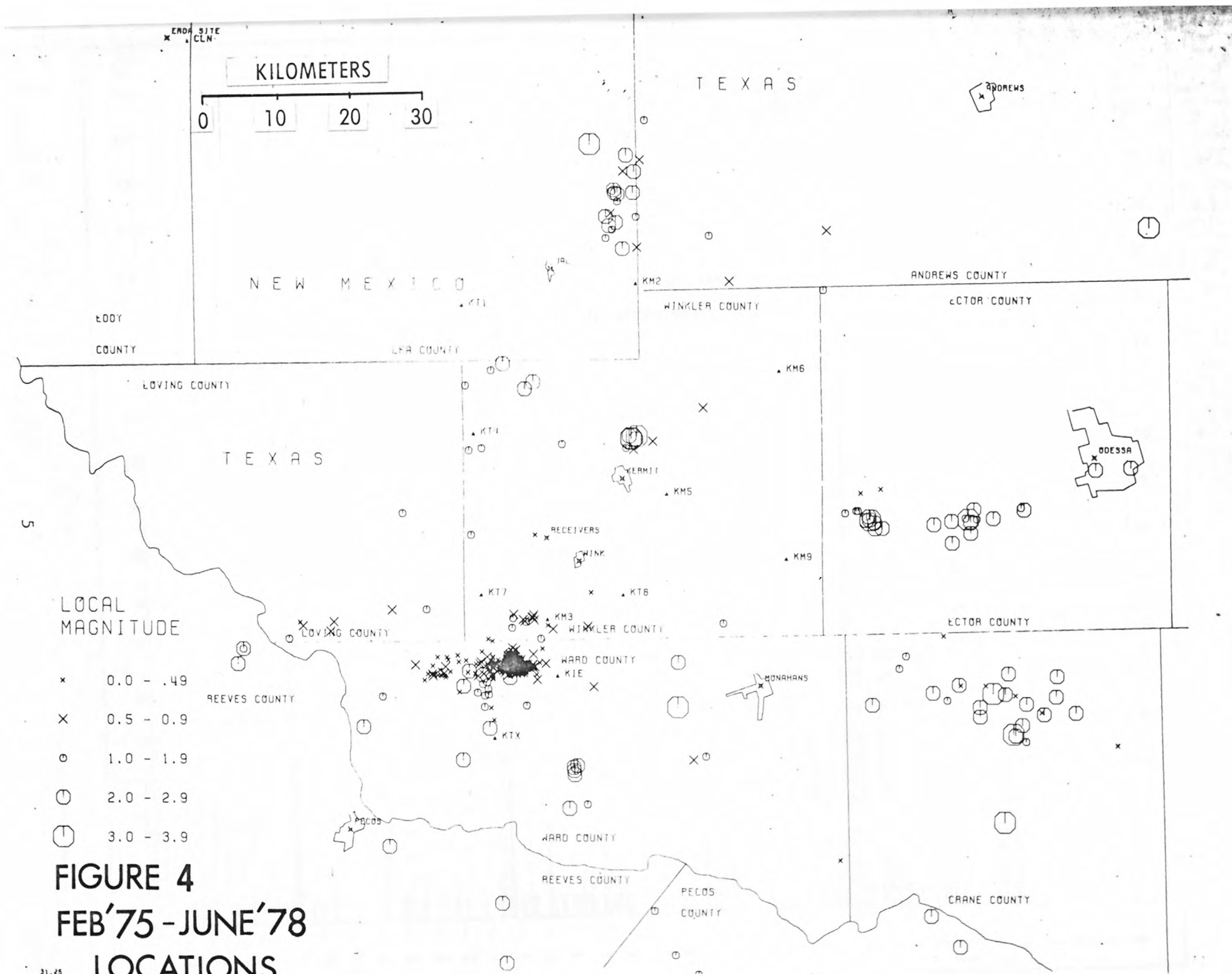
NUMBER
OF
OPERATING
STATIONS

.....
B
.....
NOISY
THRESHOLD
M > 1.5

.....
A
.....
QUIET
THRESHOLD
M < 1.5







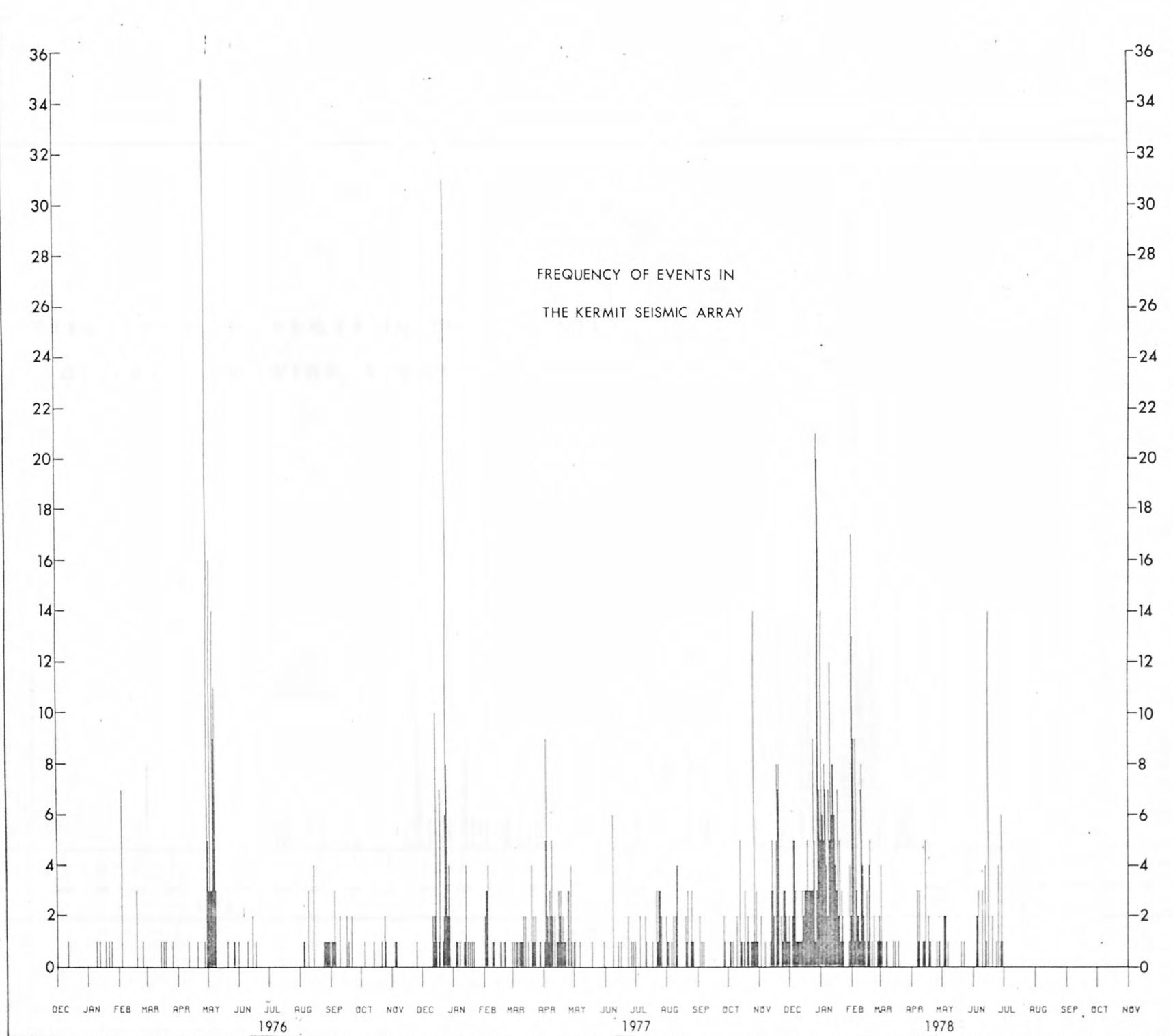


FIGURE 5

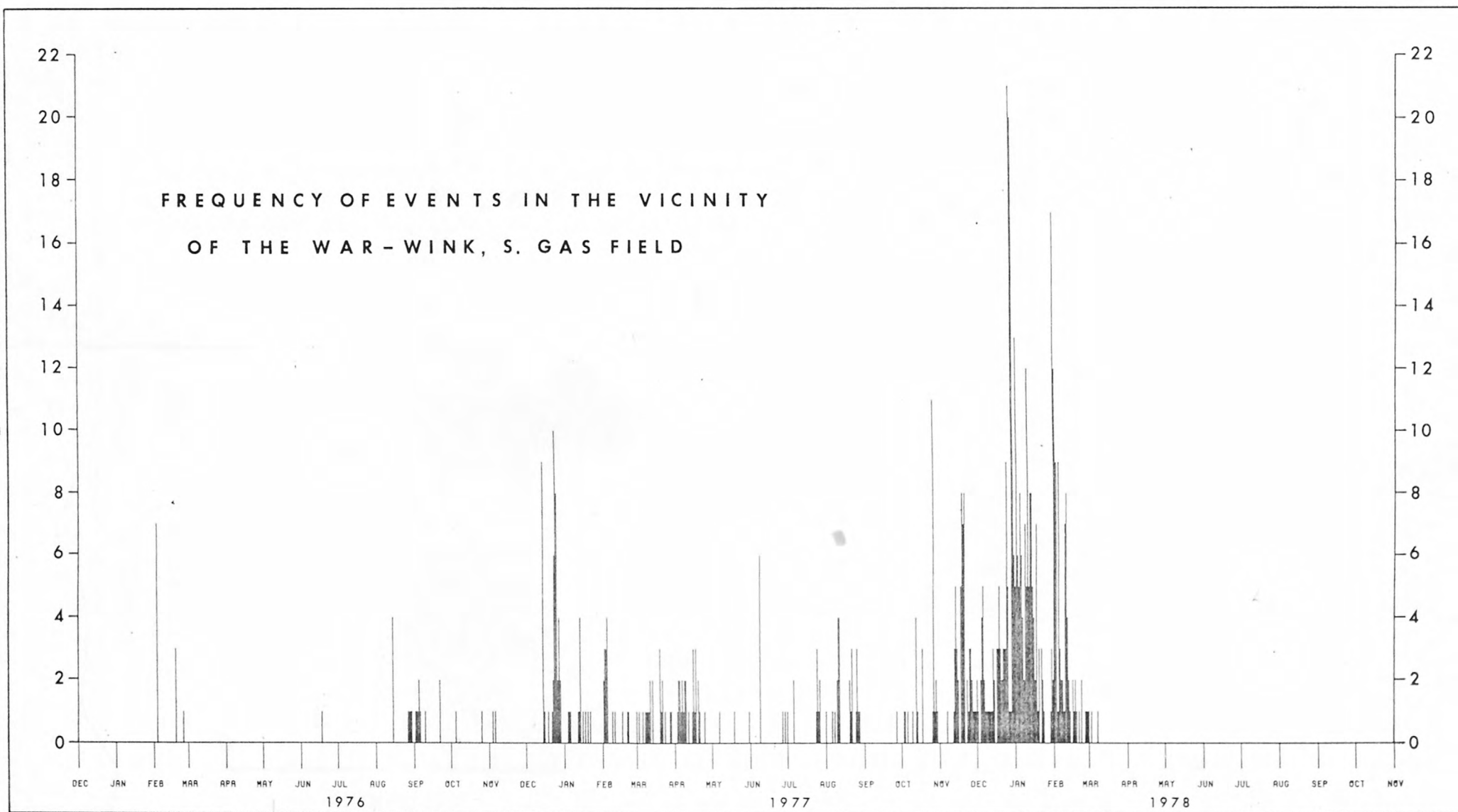


FIGURE 6

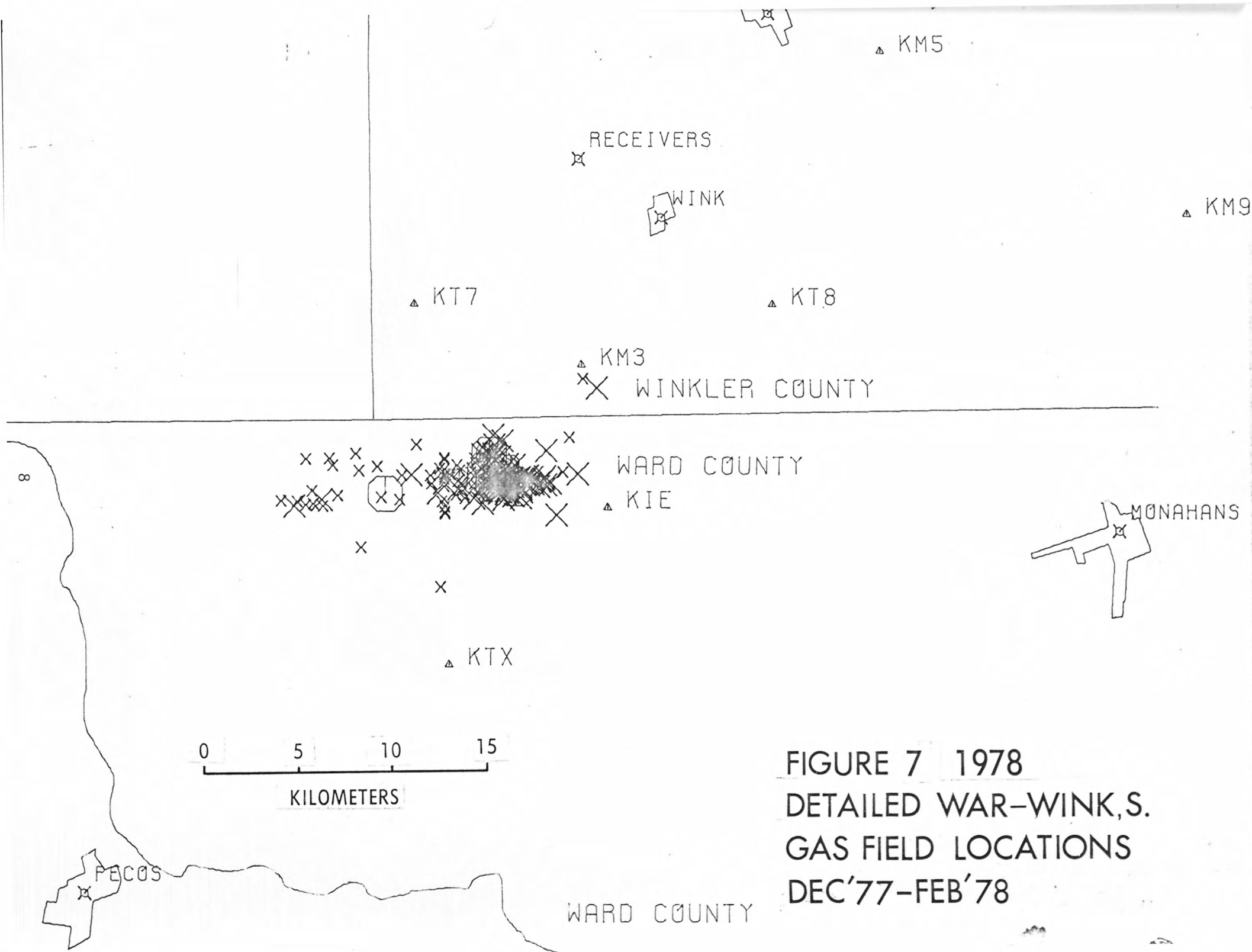


FIGURE 7 1978
DETAILED WAR-WINK, S.
GAS FIELD LOCATIONS
DEC'77-FEB'78

APPENDIX A

Table 1.--Location summary for October, November, and December 1977.

1977	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
OCT	3	20	40				0.82								KTX IPU	
	4	15	20				0.44								KTX IPU	
	6	8	36				0.44								KTX EP	
	10	7	20	31-34.27	103-14.52	4.83	1.19	4	139	6.4	0.00			C	KTX IPD	AGA
	10	17	37				1.45								KT9AEP	
	13	1	11	31-37.04	103-15.64	3.36	1.55	4	155	10.0	0.05			C	KTX IPD	AGB
	13	15	25				0.76								KTX IPD	
	13	19	59				0.88								KTX IPU	
	13	20	11				0.61								KTX EP	
	13	21	36				****								KT4 IPU	
	14	5	1				0.33								KTX IPU	
	15	0	18	32- 5.65	102-56.05	5.00*	0.87	3	242	13.0	0.01			C	KT2AIPD	AGC
	17	21	24	31-34.23	102-27.88	0.33	2.27	8	306	42.0	0.10	5.4	7.2	D	KT9AEP	AGD
	18	18	11				2.01								KTX IPD	
	18	19	54				0.88								KTX IPU	
	18	20	9				0.76								KTX IPU	
	20	6	39				****								KT4 EP	
	21	15	19				****								KT4 EP	
	21	18	50				0.88								KT6AEP	
	22	3	45				****								KT4 EP	
	24	22	50	31-32.15	102-30.87	5.00*	2.10	6	303	59.5	0.05	0.7	81.6	D	KT6AEP	AGE
	25	1	2	31-30.90	102-30.58	5.00*	1.81	6	304	61.7	0.07	1.0	119.1	D	KT6AEP	AGF
A-1	26	22	35				0.76								KTX IPU	
	27	0	38				0.44								KTX EP	
	27	10	16				2.08								KT6AIPD	
	27	10	24				1.48								KT6AEP	
	27	10	35				1.45								KT6AEP	
	27	12	5				1.73								KTX EP	
	27	12	29				1.69								KTX EP	
	27	12	41				2.22								KTX EP	
	27	16	29				0.82								KTX IPU	
	27	17	36				2.33								KTX IPD	
	27	18	9				1.77								KTX EP	
	27	18	22				0.88								KTX EP	
	27	21	47				0.82								KTX IPU	
	27	21	50				2.53								KTX IPU	
	27	22	3				0.82								KTX IPU	
	28	14	51				0.82								KTX IPU	
	29	2	18				2.08								KT6AEP	
	29	17	35				0.53								KTX EP	
	29	18	22				0.53								KTX EP	
	30	1	19				0.61								KTX IPU	
	31	23	11	31-32.98	102-26.20	5.00*	2.07	5	309	62.7	0.07	1.7	158.5	D	KT6AEP	AGG

Table 1.--Location summary for October, November, and December 1977--Continued.

1977	HR	MIN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR=STA	ID CODE
NOV	3	6	38				1.93								KT4 EP	
	3	10	0				1.77								KT4 EP	
	7	15	25				0.82								KTX IPU	
	12	11	11				0.69								KTX EP	
	13	3	35				1.73								KTX EP	
	13	17	37				1.54								KTX IPU	
	13	20	47				0.69								KTX EP	
	14	7	26				****								KTX EP	
	14	7	45				1.85								KTX EP	
	14	13	7				0.44								KTX EP	
	14	15	24				0.44								KTX EP	
	14	21	19				0.33								KTX EP	
	15	8	20				0.53								KTX EP	
	15	12	24				****								KTX EP	
	15	19	24				0.44								KTX EP	
	16	9	34				0.53								KTX EP	
	16	14	0				0.69								KTX EP	
	18	13	10				0.44								KTX EP	
	18	15	52				0.69								KTX EP	
	18	16	49				0.82								KTX IPU	
	18	17	42				0.76								KTX EP	
	18	18	12				0.76								KTX EP	
	19	5	40				0.33								KTX EP	
A-2	19	8	31				0.53								KTX EP	
	19	11	9				0.44								KTX EP	
	19	15	2				0.33								KTX EP	
	19	15	30				0.44								KTX EP	
	19	19	46				0.44								KTX EP	
	19	22	47				0.69								KTX IPU	
	19	23	40				0.69								KTX IPD	
	20	0	19				0.53								KTX EP	
	20	12	17				0.33								KTX EP	
	20	13	48				0.53								KTX EP	
	20	19	29				0.61								KTX EP	
	20	20	14				0.33								KTX EP	
	20	21	1				0.22								KTX EP	
	20	23	20				0.22								KTX EP	
	21	6	8				0.33								KTX EP	
	21	12	24				0.44								KTX EP	
	21	13	55				0.22								KTX EP	
	21	16	27				0.76								KTX EP	
	21	17	15				0.69								KTX EP	
	21	19	54				0.69								KTX EP	
	21	23	12				0.33								KTX EP	
	21	23	53				0.22								KTX EP	
	23	5	28				0.33								KTX EP	
	23	19	23				****								KTX EP	
	24	3	10				0.53								KTX EP	
	25	9	21				0.53								KTX EP	
	25	11	58				0.53								KTX EP	

Table 1.--Location summary for October, November, and December 1977--Continued.

1977	HR	MIN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
NOV	25	12	13				0.53								KT4 EP	
	26	1	56				0.82								KT4 EP	
	26	2	5				0.44								KT4 EP	
	26	11	8				0.82								KT4 IPU	
	27	5	55				0.69								KT4 EP	
	27	20	48				****								KT4 EP	
	27	21	1				0.69								KT4 EP	
	28	1	41				****								KT4 EPN	
	28	3	0				1.59								KT4 IPD	
	29	15	57				0.76								KT4 IPD	
	30	23	22				0.61								KT4 EP	

Table 1.--Location summary for October, November, and December 1977--Continued.

1977	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE	
DEC	1	12	46				0.53								KTX EP		
	1	19	48				0.53								KTX EP		
	2	21	48				0.08								KT7 IPU		
	4	9	22				0.44								KT7 IPD		
	4	9	26				0.53								KT7 EP		
	5	5	12	22.80	31-35.21	102-36.25	0.83	****	8	294	48.6	0.29	4.9	6.2	D	KM5 IPU	AGH
	5	13	14				0.44								KT7 IPU		
	5	13	27				0.53								KT7 IPU		
	5	18	48				0.44								KT7 IPD		
	5	23	40				****								KTX EP		
	6	2	11	0.0	31-37.54	103-15.65	7.14	0.47	4	141	6.5	0.00			C	KIE IPU	AGI
	6	8	28				****									KT7 EP	
	6	10	15				****									KT7 EP	
	6	11	21	41.70	31-37.71	103-14.96	8.02	0.59	4	146	5.6	0.00			C	KIE IPD	AGJ
	6	11	27	14.00	31-37.44	103-15.22	5.00*	0.33	3	137	5.8	0.00			C	KIE EP	AGK
	7	1	33	21.23	31-37.56	103-15.71	7.28	0.64	5	142	6.6	0.03	0.5	1.1	C	KIE IPD	AGL
	7	11	6	55.41	31-37.39	103-15.19	5.00*	0.40	3	136	5.8	0.00			C	KIE EP	AGM
	7	23	14	19.46	31-33.72	102-30.50	4.34	2.00	9	303	38.9	0.10	1.8	132.0	D	KM5 EP	AGN
	8	0	15	0.20	31-37.03	103-13.86	8.35	0.28	6	144	3.6	0.02	0.2	0.4	B	KIE IPD	AGO
	9	20	30	43.12	31-37.18	103-15.20	5.00*	0.56	3	134	5.7	0.00			C	KIE IPD	AGP
	10	18	43	57.46	31-37.29	103-14.68	7.62	0.33	4	140	4.9	0.00			C	KIE EP	AGQ
	11	1	14	20.70	31-37.91	103-15.57	5.00*	0.25	3	142	6.7	0.01			C	KIE IPU	AGR
A-4	12	7	20				0.88								KIE EP		
	13	1	40	18.58	31-37.33	103-14.23	8.98	0.21	6	147	4.3	0.01	0.1	0.2	B	KIE IPD	AGS
	14	9	29	29.52	31-36.20	103-13.53	7.96	0.55	4	225	2.9	0.03			C	KIE IPD	AGT
	14	13	10	59.64	31-37.85	103-15.96	5.00*	0.47	3	145	7.2	0.00			C	KIE IPU	AGU
	14	13	41	3.26	31-37.26	103-14.20	8.94	0.43	5	146	4.2	0.01	0.1	0.2	C	KIE IPD	AGV
	15	9	49	50.63	31-37.35	103-13.90	8.22	0.76	4	153	3.8	0.00			C	KIE IPD	AGW
	15	9	54	37.59	31-37.41	103-14.43	8.62	0.33	6	147	4.6	0.04	0.4	0.6	B	KIE IPD	AGX
	16	9	33				****									KM9 EP	
	16	11	51				****									KM9 EP	
	16	11	56	41.07	31-34.36	102-31.44	3.04	****	8	302	37.0	0.19	12.4	275.0	D	KM9 EP	AGY
	17	4	56	17.47	31-37.20	103-15.12	5.00*	0.64	3	133	5.5	0.00			C	KIE IPD	AGZ
	17	5	28	36.91	31-37.36	103-15.13	5.00*	0.47	3	136	5.7	0.00			C	KIE IPD	AHA
	17	7	30	58.52	31-37.50	103-15.77	5.00*	0.43	3	143	6.7	0.00			C	KIE IPU	AHB
	18	5	7	41.30	31-38.61	103-15.69	5.00*	0.56	3	153	7.5	0.00			C	KIE IPU	AHC
	18	7	34	24.08	31-37.61	103-20.43	5.00*	0.31	3	224	9.7	0.02			C	KT7 IPU	AHD
	18	16	1	11.08	31-37.50	103-14.62	7.53	0.40	5	146	5.0	0.02	0.3	0.7	C	KIE IPD	AHE
	19	5	6	1.93	31-37.40	103-14.65	9.46	0.29	4	143	5.0	0.00			C	KIE EP	AHF
	19	7	27	31.88	31-37.95	103-15.46	5.00*	0.64	3	144	6.5	0.01			C	KIE IPD	AHG
	19	8	43	59.92	31-37.16	103-13.72	5.00*	0.50	3	150	3.4	0.00			C	KIE EP	AHH
	19	18	6	4.76	31-37.71	103-15.16	6.39	0.43	5	143	5.9	0.03	0.4	1.2	C	KIE IPU	AHI
	19	20	22	19.39	31-37.28	103-14.68	10.60	0.69	4	140	4.9	0.00			C	KIE IPU	AHJ
	20	3	48	34.84	31-37.32	103-14.79	7.32	0.59	4	140	5.1	0.00			C	KIE IPD	AHK
20	3	55	39.81	31-36.58	103-22.72	5.00*	0.65	3	256	12.2	0.01			C	KTX IPU	AHL	
20	6	23	27.01	31-37.02	103-22.09	5.00*	0.38	3	248	11.8	0.00			C	KT7 IPU	AHM	
21	1	36	20.30	31-30.46	102-22.60	0.02	****	8	313	52.8	0.15	14.2	216.6	D	KM9 IPU	AHN	
21	10	3	43.95	31-37.06	103-14.11	11.46	0.79	4	141	3.9	0.00			C	KIE IPU	AHO	
21	10	53	8.40	31-37.58	103-15.82	5.00*	0.43	3	143	6.8	0.00			C	KIE IPU	AHP	
22	9	33	5.65	31-37.98	103-22.30	5.00*	0.48	3	251	10.5	0.02			C	KT7 IPU	AHQ	

Table 1.--Location summary for October, November, and December 1977--Continued.

1977	HR	MIN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE		
A-5	DEC 22	16	16	39.08	31-37.15	103-15.05	6.76	0.53	4	132	5.4	0.01			C	KIE IPU	AHR	
	22	23	47	53.51	31-37.47	103-13.29	0.54	0.43	5	169	3.1	0.06	0.3	3.8	C	KIE EP	AHS	
	23	4	54	21.56	31-36.99	103-15.54	5.00*	0.43	3	140	6.1	0.00			C	KIE EP	AHT	
	23	14	49	38.58	31-37.98	103-16.07	5.78	0.33	5	146	7.4	0.02	0.5	1.3	C	KIE IPD	AHU	
	23	20	21	39.48	31-37.15	103-15.05	6.76	0.59	4	132	5.4	0.01			C	KIE IPU	AHV	
	24	0	20	36.09	31-38.51	103-13.04	5.00*	0.47	3	200	4.4	0.01			C	KIE IPD	AHW	
	24	16	43	28.35	31-36.77	103-21.75	0.06	0.57	4	244	11.4	0.02			C	KTX IPU	AHX	
	24	23	51	22.96	31-37.98	103-21.47	5.00*	0.43	3	240	9.8	0.02			C	KT7 EP	AHY	
	25	5	8	48.01	31-38.31	103-15.66	8.10	0.69	6	148	7.1	0.04	0.4	0.8	B	KIE IP	AHZ	
	25	5	16					0.08									KT7 EP	
	25	6	21	33.55	31-37.32	103-15.30	5.00*	1.45	3	135	5.9	0.00			C	KIE IPU	AIA	
	25	8	41	1.66	31-38.35	103-18.39	9.03	0.36	4	188	7.8	0.01			C	KT7 EP	AIB	
	25	11	51	37.21	31-37.71	103-19.79	5.00*	0.12	3	214	9.2	0.01			C	KT7 EP	AIC	
	25	12	15	1.68	31-37.77	103-21.36	5.00*	0.37	3	238	10.0	0.01			C	KT7 EP	AID	
	25	14	17	56.26	31-37.98	103-21.47	5.00*	0.37	3	240	9.8	0.02			C	KT7 EP	AIE	
	25	21	35	59.89	31-38.15	103-15.70	4.20	0.44	4	144	7.0	0.00			C	KIE EP	AIF	
	25	23	26	22.41	31-37.05	103-14.76	7.33	0.53	5	133	4.9	0.00	0.0	0.1	C	KIE IPD	AIG	
	26	5	40	58.30	31-37.13	103-14.18	8.33	1.11	5	119	4.1	0.00	0.1	0.1	C	KIE IPD	AIH	
	26	6	45					0.53									KT7 EP	
	26	11	24	58.58	31-37.27	103-15.54	3.17	1.34	4	139	6.2	0.00			C	KIE IPU	AIJ	
	26	17	27					0.33									KT7 EP	
	26	23	59					0.33									KT7 EP	
	27	3	39					0.33									KT7 EP	
	28	20	9					0.33									KT7 IPU	
	28	20	40	50.25	31-34.11	102-37.44	0.05	1.69	9	292	29.7	0.19	9.4	9.1	D	KM9 EP	AIJ	
	28	22	56					****									KM9 EP	
	29	2	0	54.21	31-37.17	103-15.35	4.75	0.76	5	136	5.9	0.02	0.5	2.5	C	KIE IPD	AIK	
	29	8	48	2.42	31-37.24	103-14.74	6.81	0.76	5	138	5.0	0.03	0.4	1.1	C	KIE IPD	AIL	
	29	10	50	54.96	31-37.17	103-15.73	3.42	2.05	6	143	6.5	0.03	0.3	0.3	B	KIE IP	AIM	
	29	12	6	46.59	31-37.00	103-15.22	5.00*	0.53	3	135	5.6	0.00			C	KIE IPU	AIN	
	29	12	11	6.66	31-37.09	103-15.31	5.00*	1.08	3	136	5.8	0.00			C	KIE IPD	AIO	
	29	14	8	59.32	31-37.21	103-15.34	6.15	0.30	5	136	5.9	0.06	0.8	3.0	C	KIE IPD	AIP	
	29	14	48	15.82	31-37.26	103-15.42	5.00*	0.36	3	137	6.0	0.00			C	KIE EP	AIQ	
	29	15	37					****									KT7 EP	
	29	17	37					0.22									KT7 EP	
	29	17	57	44.03	31-37.10	103-16.04	2.18	1.68	4	148	6.9	0.00			C	KIE IPU	AIR	
	29	18	30					0.44									KT7 EP	
	29	19	2	17.69	31-37.13	103-15.47	5.00*	0.85	3	138	6.1	0.00			C	KIE IPD	AIS	
	29	19	16	15.49	31-37.12	103-15.86	2.69	1.07	4	145	6.6	0.00			C	KIE IP	AIT	
	29	19	44	18.43	31-36.72	103-15.01	5.00*	0.74	3	131	5.2	0.00			C	KIE IPD	AIU	
	29	19	55	20.13	31-36.99	103-15.45	5.00*	0.43	3	138	6.0	0.00			C	KIE EP	AIV	
	29	20	8					0.33									KIE EP	
	29	20	40					0.33									KTX EP	
	29	21	32					0.33									KT7 EP	
	29	21	40					0.33									KTX EP	
29	22	27					0.33									KT7 EP		
29	22	51					0.22									KT7 EP		
30	0	12					0.22									KTX EP		
30	0	18					0.08									KT7 EP		
30	1	14	34.82	31-37.36	103-15.16	5.00*	0.28	3	136	5.7	0.00			C	KIE EP	AIW		

Table 1.--Location summary for October, November, and December 1977--Continued.

1977	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
DEC 30	1	19					0.33								KT7 EP	
30	1	20	45.49	31-36.69	103-15.37	6.26	0.52	5	137	5.8	0.05	0.7	2.5	C	KIE EP	AIX
30	7	0	37.83	31-36.87	103-15.29	7.57	0.59	6	136	5.7	0.04	0.4	0.8	H	KIE IPD	AIY
30	8	33	34.53	31-37.04	103-13.88	12.37	0.24	4	144	3.6	0.00			C	KIE EP	AIZ
30	9	58					0.22								KTX EP	
30	10	8	29.72	31-37.09	103-15.27	5.99	0.40	4	135	5.7	0.00			C	KIE EP	AJA
30	10	16	50.71	31-37.09	103-14.58	9.37	0.49	4	136	4.7	0.00			C	KIE EP	AJB
30	12	41					0.22								KTX EP	
30	14	25	29.38	31-36.85	103-15.22	7.59	0.40	6	135	5.6	0.05	0.5	1.0	B	KIE IPD	AJC
30	14	44					0.08								KTX EP	
30	17	8	59.32	31-37.08	103-15.45	5.00*	0.85	3	138	6.0	0.00			C	KIE IPD	AJD
30	17	10	39.04	31-37.19	103-15.21	7.94	0.67	6	134	5.7	0.02	0.2	0.4	B	KIE IPD	AJE
30	19	26	31.18	31-37.19	103-15.17	7.72	0.67	6	134	5.6	0.03	0.3	0.6	R	KIE EP	AJF
30	19	55					0.44								KT7 EP	
30	20	27	3.19	31-36.92	103-15.45	0.41	0.81	4	138	5.9	0.00			C	KIE IPD	AJG
30	20	43	29.31	31-37.43	103-15.78	4.25	0.64	4	143	6.7	0.00			C	KIE IPD	AJH
30	21	5					0.22								KTX IPD	
31	0	17	47.70	31-37.11	103-16.07	6.10	0.32	4	148	7.0	0.00			C	KIE EP	AJI
31	2	17	57.54	31-37.25	103-15.20	6.37	0.99	4	134	5.7	0.00			C	KIE IPD	AJJ
31	8	12	39.98	31-36.97	103-14.11	9.97	0.43	4	138	3.9	0.00			C	KIE IPU	AJK
31	13	19	4.52	31-35.75	102-27.78	0.09	2.55	10	306	40.9	0.16	8.1	10.0	D	KM9 EP	AJL
31	18	55	4.04	31-36.80	103-15.02	0.69	0.58	4	131	5.2	0.03			C	KIE EP	AJM
31	20	49	34.42	31-36.88	103-21.19	5.00*	0.37	3	236	11.1	0.00			C	KTX EP	AJN
31	23	41	15.81	31-37.23	103-15.40	6.46	0.72	4	137	6.0	0.00			C	KIE IPD	AJO

Table 2.--Phase list for events in October, November, and December 1977.

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 10 03	KTX	IPU	2040 08.8		7.0
77 10 04	KTX	IPU	1520 46.15		4.5
77 10 06	KTX	EP	0836 45.25	47.2	4.5
77 10 10	KTX	IPD	0720 24.9	26.2	10.2
77 10 10	KTEA	EP	0720 25.6		
77 10 10	KT4	EP	0720 30.0		
			1		
77 10 10	KT9A	EP	1737 12.2		14.5
77 10 13	KTX	IPD	0111 38.5		15.5
77 10 13	KTEA	EP	0111 39.2		
77 10 13	KT8	EP	0111 39.8		
77 10 13	KT4	EP	0111 42.3		
77 10 13	KTX	IPD	1525 22.55	24.3	6.5
77 10 13	KTX	IPU	1959 52.15		7.5
77 10 13	KTX	EP	2011 17.4		5.5
77 10 13	KT4	IPU	2136 54.45	84.2	
77 10 14	KTX	IPU	0501 43.25		4.0
77 10 15	KT2A	IPD	0018 08.9		9.0
77 10 15	KT6A	IP	0018 09.0	11.2	5.5
			1		
77 10 17	KT9A	EP	2124 50.85		
77 10 17	KT6A	IPU	2124 53.8	62.0	23.5
77 10 17	KT8	IPU	2124 54.05		
77 10 17	KTEA	IPU	2124 54.1		
77 10 17	KTX	IPU	2124 57.2		28.0
77 10 17	KT4	IPU	2124 58.75	70.8	31.0
			1		
77 10 18	KTX	IPD	1811 18.9		27.5
77 10 18	KTEA	IPD	1811 19.5		
77 10 18	KTX	IPU	1954 38.65		7.5
77 10 18	KTX	IPU	2009 56.8		6.5
77 10 20	KT4	EP	0639 31.0	42.7	
77 10 21	KT4	EP	1519 38.15	39.8	
77 10 21	KT6A	EP	1850 16.5		7.5
77 10 22	KT4	EP	0345 21.2	33.6	
77 10 24	KT6A	EP	2250 14.8	22.7	22.0

Table 2.--Phase list for events in October, November, and December 1977--Continued.

77 10 24	KT4	EP	2250	17.15	27.0	25.0
77 10 24	KT4	EP	2250	19.3	30.7	
			1			
77 10 25	KT6A	EP	0102	42.7	51.0	17.0
77 10 25	KT4	EP	0102	44.8	54.8	
77 10 25	KT4	EP	0102	47.2	58.6	
			1			
77 10 26	KT4	IPU	2235	59.6		6.5
77 10 27	KT4	EP	0038	40.0		4.5
77 10 27	KT6A	IPD	1016	19.4		30.0
77 10 27	KT4	IPU	1016	25.95	34.8	
77 10 27	KT6A	EP	1024	26.6		15.0
77 10 27	KT4	EP	1024	33.1	41.8	
77 10 27	KT6A	EP	1035	39.4		14.5
77 10 27	KT4	IPU	1035	45.72	54.8	
77 10 27	KT4	EP	1205	33.7		20.0
77 10 27	KT4	EP	1229	11.4		19.0
77 10 27	KT4	EP	1241	17.8		35.0
77 10 27	KT4	IPU	1629	58.1		7.0
77 10 27	KT4	IPD	1736	36.5		40.0
77 10 27	KT4	EP	1736	38.4		
77 10 27	KT4	EP	1809	42.4		21.0
77 10 27	KT4	EP	1809	44.5		
77 10 27	KT4	EP	1822	35.25		7.5
77 10 27	KT4	IPU	2147	39.7		7.0
77 10 27	KT4	IPU	2150	03.2		50.0
77 10 27	KT4	IPD	2150	05.3		
77 10 27	KT4	IPU	2203	26.77		7.0
77 10 28	KT4	IPU	1451	36.15		7.0
77 10 29	KT6A	EP	0218	49.5	57.7	30.0
77 10 29	KT4	EP	1735	27.8		5.0
77 10 29	KT4	EP	1822	47.9		5.0
77 10 30	KT4	IPU	0119	35.74		5.5
77 10 31	KT6A	EP	2311	54.55	62.8	23.0
77 10 31	KT4	EP	2311	57.5		
77 10 31	KT4	EP	2311	59.45	71.6	
			1			

Table 2.--Phase list for events in October, November, and December 1977--Continued.

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 11 03	KT4	EP	0638 00.1		25.0
77 11 03	KT4	EP	1000 27.8	30.0	21.0
77 11 07	KTX	IPU	1525 15.0		7.0
77 11 12	KTX	EP	1111 15.7		6.0
77 11 13	KTX	EP	0335 16.8	26.4	20.0
77 11 13	KTX	IPU	1737 39.45		16.0
77 11 13	KTX	EP	2047 48.8		6.0
77 11 14	KTX	EP	0726 53.2		
77 11 14	KTX	EP	0745 56.9		23.0
77 11 14	KTX	EP	1307 26.4		4.5
77 11 14	KTX	EP	1524 19.9		4.5
77 11 14	KTX	EP	2119 07.7		4.0
77 11 15	KTX	EP	0820 46.2		5.0
77 11 15	KTX	EP	1224		
77 11 15	KTX	EP	1924 52.5		4.5
77 11 16	KTX	EP	0934 40.3		5.0
77 11 16	KTX	EP	1400 36.9		6.0
77 11 18	KTX	EP	1310 47.9		4.5
77 11 18	KTX	EP	1552 41.9		6.0
77 11 18	KTX	IPU	1649 57.05		7.0
77 11 18	KTX	EP	1742 24.7		6.5
77 11 18	KTX	EP	1812 46.8		6.5
77 11 19	KTX	EP	0540 59.6		4.0
77 11 19	KTX	EP	0831 28.7		5.0
77 11 19	KTX	EP	1109 26.6		4.5
77 11 19	KTX	EP	1502 33.2		4.0
77 11 19	KTX	EP	1530 38.0		4.5

Table 2.--Phase list for events in October, November, and December 1977--Continued.

77 11 19	KTX	EP	1946	50.2		4.5
77 11 19	KTX	IPU	2247	44.15		6.0
77 11 19	KTX	IPD	2340	10.55		6.0
77 11 20	KTX	EP	0019	04.5		5.0
77 11 20	KTX	EP	1217	05.95		4.0
77 11 20	KTX	EP	1348	14.55		5.0
77 11 20	KTX	EP	1929	50.1		5.5
77 11 20	KTX	EP	2014	58.6		4.0
77 11 20	KTX	EP	2101	49.8		3.5
77 11 20	KTX	EP	2320	14.1		3.5
77 11 21	KTX	EP	0608	11.3		4.0
77 11 21	KTX	EP	1224	28.3		4.5
77 11 21	KTX	EP	1355	46.7		3.5
77 11 21	KTX	EP	1627	12.4		6.5
77 11 21	KTX	EP	1715	43.7		6.0
77 11 21	KTX	EP	1954	55.6		6.0
77 11 21	KTX	EP	2312	40.1		4.0
77 11 21	KTX	EP	2353	51.7		3.5
77 11 23	KTX	EP	0528	46.0		4.0
77 11 23	KTX	EP	1923	53.9	71.2	
77 11 24	KTX	EP	0310	54.8		5.0
77 11 24	KT4	EP	0310	58.5		11.
77 11 25	KTX	EP	0921			5.0
77 11 25	KTX	EP	1158			5.0
77 11 25	KTX	EP	1213			5.0
77 11 26	KTX	EP	0156	02.5		7.0
77 11 26	KTX	EP	0205	50.0		4.5
77 11 26	KTX	IPU	1108	17.1		7.0
77 11 27	KTX	EP	0555			6.0
77 11 27	KT4	EP	2048	58.2	88.3	
77 11 27	KTX	EP	2101	49.7		6.0

Table 2.--Phase list for events in October, November, and December 1977--Continued.

77 11 28	KT4	EPN	0141	31.5	63.3	
77 11 28	KTX	IPD	0300	48.35		17.0
77 11 28	MOT	IP	0301	07.4	23.3	
77 11 29	KTX	IPD	1557	44.2		6.5
77 11 30	KTX	EP	2322	06.6		5.5

Table 2.--Phase list for events in October, November, and December 1977--Continued.

PHASE LIST FOR EVENTS IN DECEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 12 01	KTX	EP	1246 16.7		5.0
77 12 01	KTX	EP	1948 54.2		5.0
77 12 02	KT7	IPU	2148 23.83	25.8	3.0
77 12 04	KT7	IPD	0922 45.24		4.5
77 12 04	KTX	EP	0922 45.6		4.0
77 12 04	KT7	EP	0926 44.9	46.3	5.0
77 12 04	KTX	EP	0926 45.2		4.5
77 12 05	KM5	IPU	0512 31.51		
77 12 05	KT8	IPU	0512 31.54		
77 12 05	KM6	EP	0512 31.9		
77 12 05	KTX	EP	0512 33.9	44.0	
77 12 05	KT7	EP	0512 34.7	44.5	
77 12 05	KM2	EP	0512 35.3		
			1		
77 12 05	KT7	IPU	1314 15.45		4.5
77 12 05	KTX	EP	1314 15.55		4.5
77 12 05	KT7	IPU	1327 40.11		5.0
77 12 05	KTX	EP	1327 40.25		5.0
77 12 05	KT7	IPD	1848 12.2		4.5
77 12 05	KTX	EP	1848 12.6		4.0
77 12 05	KTX	EP	2340 28.8		
77 12 06	KIE	IPU	0211 01.8	3.2	4.5
77 12 06	KT7	IPU	0211 02.3		4.5
77 12 06	KTX	EP	0211 02.4		4.5
			1		
77 12 06	KT7	EP	0828 02.5		
77 12 06	KT7	EP	1015 37.5		
77 12 06	KIE	IPD	1121 43.5	44.9	5.5
77 12 06	KT7	IPU	1121 44.1		5.0
77 12 06	KTX	EP	1121 44.25		5.0
			1		
77 12 06	KIE	EP	1127 15.5		4.0
77 12 06	KT7	EP	1127 16.25		3.5
77 12 06	KTX	EP	1127 16.3		4.0
77 12 07	KIE	IPD	0133 23.02	24.5	5.5
77 12 07	KT7	IPU	0133 23.53		5.5
77 12 07	KTX	IPD	0133 23.68	25.5	5.5
			1		
77 12 07	KIE	EP	1106 56.9		4.0
77 12 07	KT7	IPU	1106 57.68		4.5
77 12 07	KTX	EP	1106 57.7		4.0

Table 2.--Phase list for events in October, November, and December 1977--Continued.

77 12 07	KM5	EP	2314	29.3		
77 12 07	KM6	EP	2314	29.3		
77 12 07	KT8	EP 2	2314	29.5		
77 12 07	KTX	EP 2	2314	30.2		
77 12 07	KIE	EP 2	2314	30.5		
77 12 07	KT7	EP	2314	32.6	42.8	20.0
77 12 07	KT4	EP	2314	34.1		
			1			
77 12 08	KIE	IPD	0015	01.85	03.1	3.0
77 12 08	KTX	IPD	0015	02.70	04.7	3.5
77 12 08	KT7	EP	0015	02.95	5.0	4.5
			1			
77 12 09	KIE	IPD	2030	44.6		5.0
77 12 09	KTX	IPU	2030	45.35		5.0
77 12 09	KT7	IPU	2030	45.45		5.0
77 12 10	KIE	EP	1843	59.13		3.5
77 12 10	KTX	EP	1843	59.9		4.0
77 12 10	KT7	EP	1843	59.95	61.9	4.0
			1			
77 12 11	KIE	IPU	0114	22.33		3.5
77 12 11	KT7	IPU	0114	22.80		3.5
77 12 11	KTX	EP	0114	23.1		3.5
77 12 12	KIE	EP	0720			7.5
77 12 13	KIE	IPD	0140	20.39	21.8	3.0
77 12 13	KTX	EP	0140	21.20	23.2	3.5
77 12 13	KT7	IPU	0140	21.21	23.3	3.5
			1			
77 12 14	KIE	IPD	0929	31.08		5.5
77 12 14	KTX	IPD	0929	31.83		5.0
77 12 14	KTX	IPU	0929	31.91	33.7	4.5
			1			
77 12 14	KIE	IPU	1311	01.35		4.5
77 12 14	KT7	EP	1311	01.7		4.5
77 12 14	KTX	EP	1311	02.0		4.5
77 12 14	KIE	IPD	1341	05.05		4.0
77 12 14	KTX	EP	1341	05.85	07.8	4.5
77 12 14	KT7	IPU	1341	05.91	08.0	4.5
			1			
77 12 15	KIE	IPD	0949	52.29		6.0
77 12 15	KTX	IPD	0949	53.21		6.5
77 12 15	KT7	IPD	0949	53.25	55.3	6.5
			1			
77 12 15	KIE	IPD	0954	39.4	40.7	3.5
77 12 15	KTX	IPU	0954	40.1	42.2	4.0
77 12 15	KT7	IPU	0954	40.2	42.1	4.0
			1			
77 12 16	KM9	EP	0933	13.3		
77 12 16	KM9	EP	1151	55.6		
77 12 16	KM9	EP	1156	47.8		
77 12 16	KT8	EP	1156	50.6		
77 12 16	KM6	EP	1156	50.65		
77 12 16	KM5	EP	1156	50.7		
77 12 16	KIE	EP	1156	52.2		
77 12 16	KTX	EP	1156	53.5		

Table 2.--Phase list for events in October, November, and December 1977--Continued.

77 12 16	KT7	IPU	1156	54.4		
77 12 16	KM2	EP	1156	54.6		
77 12 17	KIE	IPD	0456	18.93		5.5
77 12 17	KTX	IPD	0456	19.71		5.5
77 12 17	KT7	EP	0456	19.8		5.5
77 12 17	KIE	IPD	0528	38.39		4.5
77 12 17	KT7	EP	0528	39.2		4.5
77 12 17	KTX	EP	0528	39.2		4.5
77 12 17	KIE	IPU	0731	00.15		4.0
77 12 17	KT7	EP	0731	00.7		4.5
77 12 17	KTX	EP	0731	00.8		4.5
77 12 18	KIE	IPU	0507	43.05		5.0
77 12 18	KT7	IPU	0507	43.2		5.0
77 12 18	KTX	IPU	0507	43.9		5.0
77 12 18	KT7	IPU	0734	26.2	27.8	3.5
77 12 18	KTX	EP	0734	26.5		4.0
			1			
77 12 18	KIE	IPD	1601	12.75		4.0
77 12 18	KT7	IPU	1601	13.5	15.4	4.5
77 12 18	KTX	IPD	1601	13.6	15.5	4.0
			1			
77 12 19	KIE	EP	0506	03.85		3.5
77 12 19	KTX	EP	0506	04.55		3.5
77 12 19	KT7	EP	0506	04.55	06.6	4.0
			1			
77 12 19	KIE	IPD	0727	33.49		5.0
77 12 19	KT7	IPD	0727	33.98		5.5
77 12 19	KTX	EP	0727	34.3		6.0
77 12 19	KIE	EP	0844	01.1		4.5
77 12 19	KTX	IPU	0844	02.3		4.5
77 12 19	KT7	IPU	0844	02.45		5.0
77 12 19	KIE	IPU	1806	06.4		4.0
77 12 19	KT7	IPU	1806	07.05	8.75	4.5
77 12 19	KTX	IPD	1806	07.15	9.10	4.5
			1			
77 12 19	KIE	IPU	2022	21.48		5.5
77 12 19	KTX	EP	2022	22.1		6.0
77 12 19	KT7	EP	2022	22.15	24.3	6.0
			1			
77 12 20	KIE	IPD	0348	36.49		5.0
77 12 20	KTX	IPD	0348	37.26		5.0
77 12 20	KT7	IPU	0348	37.29	39.2	5.5
			1			
77 12 20	KTX	IPU	0355	42.3		5.5
77 12 20	KT7	IPU	0355	42.45	44.5	5.5
			1			
77 12 20	KT7	IPU	0623	29.45	31.3	4.0
77 12 20	KTX	EP	0623	29.5		4.0
			1			
77 12 21	KM9	IPU	0136	29.7		
77 12 21	KM6	IPU	0136	32.7		
77 12 21	KT8	EP	0136	32.9		
77 12 21	KM5	IPU	0136	33.35		
77 12 21	KIE	EP	0136	34.0		

Table 2.--Phase list for events in October, November, and December 1977--Continued.

77	12	21	KTX	IPU	0136	35.5		
77	12	21	KT7	IPU	0136	36.25		
77	12	21	KT4	IPU	0136	37.55		
77	12	21	KIE	IPU	1003	46.10		6.5
77	12	21	KTX	IPU	1003	46.75		6.5
77	12	21	KT7	IPU	1003	46.9	49.2	6.5
77	12	21	KIE	IPU	1053	10.05		4.0
77	12	21	KT7	EP	1053	10.55		4.5
77	12	21	KTX	IPU	1053	10.7		4.5
77	12	22	KT7	IPU	0933	07.9	09.6	4.5
77	12	22	KTX	EP	0933	08.4		4.5
77	12	22	KIE	IPU	1616	40.7		4.5
77	12	22	KTX	IPU	1616	41.4		5.0
77	12	22	KT7	IPU	1616	41.5	43.4	5.0
77	12	22	KIE	EP	2347	54.1		4.0
77	12	22	KT7	IPU	2347	56.05	57.9	4.5
77	12	22	KTX	EP	2347	56.1	57.9	4.5
77	12	23	KIE	EP	0454	23.1		4.0
77	12	23	KTX	IPU	0454	23.7		4.5
77	12	23	KT7	EP	0454	23.9		4.5
77	12	23	KIE	IPD	1449	40.4	41.7	3.5
77	12	23	KT7	EP	1449	40.6	42.2	4.0
77	12	23	KTX	EP	1449	41.0		4.0
77	12	23	KIE	IPU	2021	41.1		5.0
77	12	23	KTX	IPD	2021	41.8		5.0
77	12	23	KT7	IPU	2021	41.9	43.8	5.5
77	12	24	KIE	IPD	0020	37.4		4.5
77	12	24	KT7	EP	0020	38.45		4.5
77	12	24	KTX	EP	0020	38.9		4.5
77	12	24	KTX	IPU	1643	30.65	32.5	5.0
77	12	24	KT7	IPU	1643	30.80	32.6	5.0
77	12	24	KT7	EP	2351	25.1	26.7	4.5
77	12	24	KTX	EP	2351	25.6		4.0
77	12	25	KIE	IP	0508	50.02	51.5	7.0
77	12	25	KT7	IPD	0508	50.25	51.9	5.5
77	12	25	KTX	EP	0508	50.6	52.8	5.0
77	12	25	KT7	EP	0516	28.7	30.3	3.0
77	12	25	KIE	IPU	0621	35.06		15.0
77	12	25	KTX	IPU	0621	35.81		16.0
77	12	25	KT7	IPD	0621	35.83		11.1
77	12	25	KT4	EP 4	0621	39.0		
77	12	25	KT7	EP	0841	03.8	05.5	4.0
77	12	25	KTX	EP	0841	04.4	06.5	
77	12	25	KT7	EP	1151	39.25	40.8	3.0
77	12	25	KTX	EP	1151	39.6		

Table 2.--Phase list for events in October, November, and December 1977--Continued.

					1			
77	12	25	KT7	EP	1215	03.85	05.5	4.0
77	12	25	KT7	EP	1215	04.25		
					1			
77	12	25	KT7	EP	1417	58.4	60.0	4.0
77	12	25	KT7	EP	1417	58.9		
					1			
77	12	25	KIE	EP	2136	01.55		4.5
77	12	25	KT7	EP	2136	01.9	03.4	4.0
77	12	25	KT7	EP	2136	02.35		4.5
					1			
77	12	25	KIE	IPD	2326	24.05		4.5
77	12	25	KT7	IPU	2326	24.76	26.6	5.0
77	12	25	KT7	IPU	2326	24.94	26.9	5.0
					1			
77	12	26	KIE	IPD	0541	00.00		10.5
77	12	26	KT7	IPU	0541	00.80		10.0
77	12	26	KT7	IPU	0541	00.95	03.0	8.0
77	12	26	KT8	EP	0541	01.6		
					1			
77	12	26	KT7	EP	0645			5.0
77	12	26	KIE	IPU	1125	00.00		15.0
77	12	26	KT7	IPU	1125	00.80		
77	12	26	KT7	IPD	1125	00.85		10.0
77	12	26	KT4	EP 2	1125	04.5		
77	12	26	KT7	EP	1727			4.0
77	12	26	KT7	EP	2359			4.0
77	12	27	KT7	EP	0339			4.0
77	12	28	KT7	IPU	2009	46.17		4.0
77	12	28	KT7	EP	2009	46.20		4.0
77	12	28	KM9	EP	2040	56.0		17.0
77	12	28	KM5	EP	2040	59.0		
77	12	28	KT8	EP	2040	59.0		
77	12	28	KM6	EP	2040	59.3	67.1	
77	12	28	KIE	EP	2040	60.2		
77	12	28	KT7	EP	2040	61.8	70.2	
77	12	28	KT7	EP	2040	62.4		
					1			
77	12	28	KM9	EP	2256	04.6		
77	12	29	KIE	IPD	0200	55.7		7.0
77	12	29	KT7	IPU	0200	56.38	58.1	6.0
77	12	29	KT7	IPD	0200	56.55	58.3	6.0
					1			
77	12	29	KIE	IPD	0848	04.0		6.5
77	12	29	KT7	IPD	0848	04.75	06.6	6.0
77	12	29	KT7	IPU	0848	04.9	06.7	6.5
					1			
77	12	29	KIE	IP	1050	56.45		26.0
77	12	29	KT7	IPD	1050	57.14		31.0
77	12	29	KT7	IPU	1050	57.25		27.0
77	12	29	KT8	EP 2	1050	58.6		
77	12	29	KM5	EP 2	1050	60.7		
77	12	29	KT4	EP 2	1050	60.9		

Table 2.--Phase list for events in October, November, and December 1977--Continued.

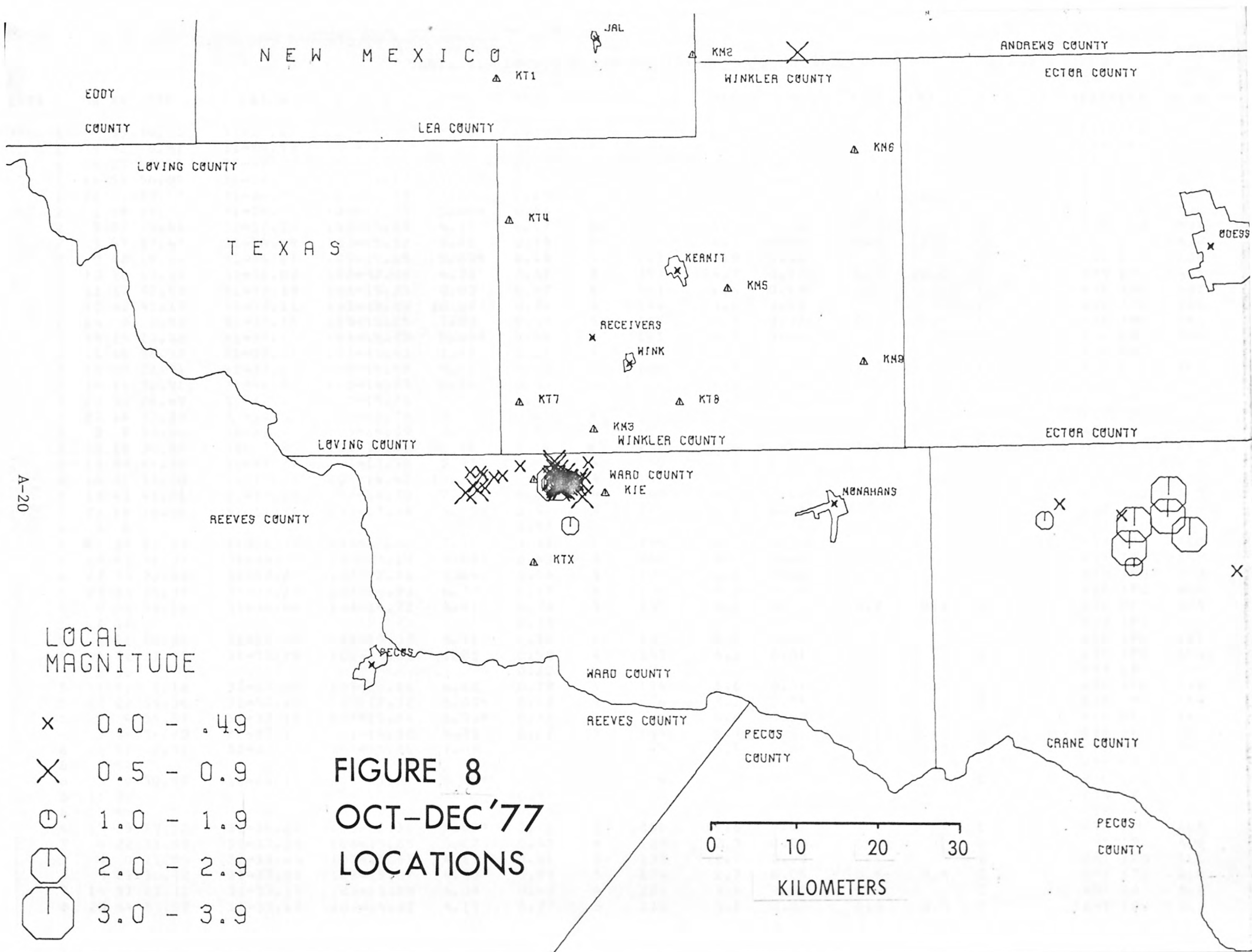
77 12 29	KIE	IPU	1206	48.06		4.5
77 12 29	KTX	EPU	1206	48.76		5.0
77 12 29	KT7	EPU	1206	48.96		5.0
77 12 29	KIE	IPD	1211	08.15		8.5
77 12 29	KTX	IPD	1211	08.85		10.0
77 12 29	KT7	IPU	1211	09.00		9.0
77 12 29	KIE	IPD	1409	00.93		3.5
77 12 29	KTX	IPD	1409	01.5	3.4	4.0
77 12 29	KT7	EP	1409	01.75	3.4	
			1			
77 12 29	KIE	EP	1448	17.35		4.0
77 12 29	KTX	EP	1448	18.05		3.5
77 12 29	KT7	EP	1448	18.1		4.5
77 12 29	KT7	EP	1537	37.5		
77 12 29	KTX	EP	1737	28.4		3.5
77 12 29	KIE	IPU	1757	45.50		21.0
77 12 29	KTX	IPU	1757	46.10		20.0
77 12 29	KT7	IPU	1757	46.25		14.0
77 12 29	KT4	EP 2	1757	50.1		
77 12 29	KT7	EP	1830	57.6		4.5
77 12 29	KIE	IPD	1902	19.22		7.0
77 12 29	KTX	IPD	1902	19.88		8.0
77 12 29	KT7	IP	1902	20.00		6.0
77 12 29	KIE	IP	1916	16.94		9.0
77 12 29	KTX	IPU	1916	17.60		10.0
77 12 29	KT7	IPU	1916	17.74		8.0
77 12 29	KT4	EP 2	1916	21.5		
77 12 29	KIE	IPD	1944	19.84		3.0
77 12 29	KTX	IPD	1944	20.54		4.0
77 12 29	KT7	EP	1944	20.9		3.5
77 12 29	KIE	EP	1955	21.65		4.0
77 12 29	KTX	EP	1955	22.28		4.5
77 12 29	KT7	EP	1955	22.48		4.5
77 12 29	KIE	EP	2008	16.4		4.0
77 12 29	KTX	EP	2040	54.2		4.0
77 12 29	KT7	EP	2040	54.3		4.0
77 12 29	KT7	EP	2132	37.9		4.0
77 12 29	KTX	EP	2140	54.25		4.0
77 12 29	KT7	EP	2227	53.4		4.0
77 12 29	KT7	EP	2251	23.8		3.5
77 12 30	KTX	EP	0012	46.4		3.5
77 12 30	KT7	EP	0018	42.9		3.0

Table 2.--Phase list for events in October, November, and December 1977--Continued.

77 12 30	KIE	EP	0114 36.3		3.0
77 12 30	KTX	EP	0114 37.1		4.0
77 12 30	KT7	EP	0114 37.1		4.0
77 12 30	KT7	EP	0119 45.7		4.0
77 12 30	KIE	EP	0120 47.1		4.0
77 12 30	KTX	IPU	0120 47.70	49.2	5.5
77 12 30	KT7	IPD	0120 47.9	49.9	5.0
			1		
77 12 30	KIE	IPD	0700 39.55	40.9	5.5
77 12 30	KTX	IPD	0700 40.18	41.8	5.0
77 12 30	KT7	IPU	0700 40.31	42.3	5.0
			1		
77 12 30	KIE	EP	0833 36.8		3.0
77 12 30	KTX	EP	0833 37.45		4.0
77 12 30	KT7	EP	0833 37.6	40.0	3.5
			1		
77 12 30	KTX	EP	0958 52.3		3.5
77 12 30	KIE	EP	1008 31.3		4.0
77 12 30	KTX	IPU	1008 31.96	33.7	4.0
77 12 30	KT7	IPU	1008 32.10		4.5
			1		
77 12 30	KIE	EP	1016 52.6		4.0
77 12 30	KTX	IPU	1016 53.26		5.0
77 12 30	KT7	EP	1016 53.4	55.5	5.0
			1		
77 12 30	KTX	EP	1241 33.0		3.5
77 12 30	KIE	IPD	1425 31.05	32.5	3.5
77 12 30	KTX	IPD	1425 31.75	33.4	4.5
77 12 30	KT7	IPU	1425 31.90	33.9	4.5
			1		
77 12 30	KTX	EP	1444 08.0		3.0
77 12 30	KIE	IPD	1709 00.85		7.0
77 12 30	KTX	IPD	1709 01.5		7.0
77 12 30	KT7	IPU	1709 01.65		7.0
77 12 30	KIE	IPD	1710 40.8	42.2	5.5
77 12 30	KTX	IPD	1710 41.45	43.3	5.5
77 12 30	KT7	EP	1710 41.55	43.4	6.0
			1		
77 12 30	KIE	EP	1926 32.95	34.3	5.5
77 12 30	KTX	IPU	1926 33.6	35.4	5.5
77 12 30	KT7	EP	1926 33.6	35.6	6.0
			1		
77 12 30	KT7	EP	1955 03.4		4.5
77 12 30	KIE	IPD	2027 04.4		6.5
77 12 30	KTX	IPU	2027 05.2		7.0
77 12 30	KT7	IPU	2027 05.5	07.3	6.5
			1		
77 12 30	KIE	IPD	2043 30.9		5.5
77 12 30	KTX	EP	2043 31.55		5.5
77 12 30	KT7	IPU	2043 31.5	33.2	5.5
			1		
77 12 30	KTX	IPD	2105 30.65		3.5
77 12 31	KIE	EP	0017 49.45		3.5

Table 2.--Phase list for events in October, November, and December 1977--Continued.

77 12 31	KTX	EP	0017	49.9		3.5
77 12 31	KT7	EP	0017	50.0	51.8	4.5
			1			
77 12 31	KIE	IPD	0217	59.15		8.5
77 12 31	KTX	IPD	0217	59.85		8.0
77 12 31	KT7	IPU	0217	59.9	61.7	8.0
77 12 31	KT4	EP 4	0217	65.4		
			1			
77 12 31	KIE	IPU	0812	41.9		4.0
77 12 31	KTX	EP	0812	42.6		4.5
77 12 31	KT7	EP	0812	42.8	45.0	4.5
			1			
77 12 31	KM9	EP	1319	11.9		
77 12 31	KM6	EP	1319	14.6	23.0	
77 12 31	KM5	EP	1319	15.2		36.0
77 12 31	KT8	EP	1319	15.65		43.0
77 12 31	KTX	EP	1319	18.4		
77 12 31	KT7	EP	1319	18.65	29.9	39.0
77 12 31	KM2	EP	1319	18.7		
77 12 31	KT4	EP	1319	19.9		
			1			
77 12 31	KIE	EP	1855	05.1		4.5
77 12 31	KTX	EP	1855	06.05		5.5
77 12 31	KT7	IPU	1855	06.5	08.3	5.5
			1			
77 12 31	KTX	EP	2049	36.75		4.0
77 12 31	KT7	IPU	2049	36.80	38.6	4.0
			1			
77 12 31	KIE	IPD	2341	17.47		6.0
77 12 31	KTX	IPD	2341	18.11		6.0
77 12 31	KT7	IPU	2341	18.16	20.0	6.0
77 12 31	KT4	EP 4	2341	22.55		
			1			



3

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE		
JAN	1	4	33	59.90	31-37.17	103-14.76	8.22	0.46	4	136	5.0	0.00			C	KIE IPU	AJP	
	1	4	42	6.91	31-36.58	103-21.71	0.24	0.26	4	244	11.1	0.04			C	KTX IPD	AJQ	
	1	6	25	48.03	31-37.15	103-14.98	9.25	0.56	4	133	5.3	0.00			C	KIE IPD	AJR	
	1	11	51	56.09	31-37.24	103-15.77	5.00*	0.74	3	143	6.6	0.00			C	KIE IPD	AJS	
	1	22	46	29.47	31-36.96	103-14.98	7.85	0.29	5	131	5.2	0.05	0.7	1.7	C	KIE EP	AJT	
	2	1	55	27.21	31-36.64	103-22.05	5.00*	0.43	3	248	11.6	0.01			C	KTX IPU	AJU	
	2	5	52	19.46	31-37.55	103-15.09	4.19	0.47	4	141	5.7	0.02			C	KIE IPD	AJV	
	2	7	57	37.47	31-36.89	103-15.52	5.86	0.53	5	139	6.1	0.05	0.6	2.5	C	KIE EP	AJW	
	2	9	48	18.24	31-36.81	103-19.65	5.00*	0.48	3	212	9.9	0.00			C	KIE EP	AJX	
	2	10	10	47.14	31-36.02	102-32.04	4.76	2.62	8	300	34.7	0.12	6.9	168.0	D	KM9 EP	AJY	
	2	11	17	42.47	31-37.38	103-15.75	0.03	0.47	4	143	6.6	0.03			C	KIE IPD	AJZ	
	2	12	42	41.17	31-37.11	103-13.88	10.82	0.74	4	146	3.6	0.00			C	KIE IPD	AKA	
	2	14	3	6.52	31-37.14	103-15.25	7.80	0.53	5	135	5.7	0.02	0.2	0.5	C	KIE IPU	AKB	
	2	14	29	11.12	31-37.23	103-15.75	5.00*	0.59	3	143	6.5	0.00			C	KIE EP	AKC	
	2	14	45	38.32	31-37.03	103-15.43	7.45	0.64	4	138	6.0	0.00			C	KIE EP	AKD	
	2	15	30	23.93	31-37.11	103-14.48	9.41	0.73	4	138	4.5	0.00			C	KIE EP	AKE	
	2	19	11	20.91	31-36.91	103-14.73	6.96	0.56	6	130	4.8	0.03	0.3	0.6	B	KIF IPU	AKF	
	2	20	30	24.49	31-37.22	103-14.76	7.47	0.43	4	137	5.0	0.01			C	KIE EP	AKG	
	2	23	16	52.30	31-37.12	103-15.78	0.22	0.61	4	143	6.5	0.01			C	KIE IPD	AKH	
	3	3	7	13.46	31-37.11	103-14.39	7.36	0.52	4	133	5.2	0.00			C	KIE EP	AKI	
	3	10	16	30.86	31-37.25	103-15.41	5.60	0.67	6	137	6.0	0.02	0.2	0.6	B	KIE EP	AKJ	
	3	12	59	11.76	31-37.27	103-13.96	5.83	0.59	4	150	3.9	0.00			C	KIE EP	AKK	
	3	14	21	38.00	31-37.25	103-14.42	10.20	0.40	4	142	4.5	0.00			C	KIE EP	AKL	
	3	18	43	43.01	31-37.29	103-14.70	7.23	0.67	4	140	5.0	0.00			C	KIE IPU	AKM	
	3	23	16	16.20	31-37.19	103-17.88	5.00*	0.42	3	180	9.9	0.08			C	KTX IPU	AKN	
	4	8	6					0.53									KT7 IPU	
	4	16	24	33.02	31-36.72	103-22.62	0.18	0.38	4	254	12.3	0.00			C	KTX EP	AKO	
	4	19	55	42.27	31-36.74	103-23.17	5.00*	0.43	3	261	12.9	0.00			C	KTX IPU	AKP	
	4	22	35	20.42	31-37.41	103-12.76	6.64	0.56	4	182	2.4	0.00			C	KIE IPU	AKQ	
	4	23	34	54.85	31-37.22	103-14.90	6.77	1.17	4	136	5.2	0.01			C	KIE IPU	AKR	
	5	0	46	56.16	31-36.99	103-14.72	8.91	0.58	5	132	4.8	0.01	0.2	0.4	C	KIE EP	AKS	
	5	1	17					0.33									KT7 IPU	
	5	4	21	40.28	31-37.28	103-15.08	5.11	1.36	4	132	5.5	0.00			C	KIE IPU	AKT	
	5	4	31	23.35	31-37.29	103-15.61	1.95	0.58	4	140	6.3	0.01			C	KIE IPD	AKU	
	5	6	46					0.22									KT7 EP	
	5	11	11	1.18	31-37.05	103-15.18	6.60	0.79	4	134	5.6	0.01			C	KIE IPU	AKV	
	5	12	22	54.36	31-40.26	103-12.52	5.00*	0.42	3	236	7.2	0.04			C	KIF EP	AKW	
	5	19	4	54.98	31-37.15	103-15.84	5.00*	0.72	3	144	6.6	0.00			C	KIE EP	AKX	
	6	3	54	54.80	31-37.37	103-14.52	9.03	0.67	5	144	4.7	0.01	0.1	0.2	C	KIE IPD	AKY	
	6	4	41	0.01	31-37.43	103-14.71	7.67	0.43	5	143	5.1	0.01	0.2	0.5	C	KIE IPD	AKZ	
	6	5	42					0.33									KTX EP	
	6	6	0	50.48	32-14.16	103- 5.27	5.00*	0.60	3	184	2.7	0.00			C	KJL2IPU	ARB	
	6	11	56					0.33									KTX EP	
	6	13	46					0.53									KIE IPD	
	6	15	35	59.12	31-36.62	103-22.31	5.00*	0.48	3	251	11.8	0.01			C	KTX IPU	ALA	
	7	6	22	21.85	31-37.25	103-15.88	5.12	0.92	4	125	2.3	0.00			C	KMT IP	ALB	
	7	9	0	11.04	31-37.45	103-15.63	4.17	0.91	4	132	2.7	0.00			C	KMT IPD	ALC	
	7	9	23	36.12	31-37.08	103-15.67	4.00	0.89	5	124	2.7	0.05	0.6	0.4	C	KMT IPD	ALD	
	7	14	37	21.11	31-37.17	103-15.09	4.08	0.40	4	228	3.6	0.01			C	KMT EP	ALE	
	8	20	44	51.92	31-37.17	103-14.92	4.13	0.77	5	134	3.8	0.06	0.8	0.5	C	KMT IPU	ALF	

Table 3.--Location summary for January 1978--Continued.

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE	
JAN	8	22	43	12.23	31-37.35	103-15.40	4.00	0.62	4	133	3.1	0.0		C	KMT IPD	ALG	
	9	1	50	12.38	31-37.32	103-15.82	4.85	0.53	4	127	2.4	0.00		C	KMT IPD	ALH	
	9	2	1	11.40	31-37.37	103-15.41	4.17	0.43	4	163	3.0	0.00		C	KMT IPU	ALI	
	9	2	4	0.75	31-39.98	103-12.05	5.00*	0.51	3	240	6.6	0.03		C	KIE IPD	ALJ	
	9	7	9	54.01	31-37.49	103-17.52	4.02	0.34	4	222	0.4	0.02		C	KMT IPD	ALK	
	9	7	48	9.61	31-37.62	103-17.43	4.29	0.28	4	188	0.5	0.02		C	KMT IPD	ALL	
	9	8	17	33.91	31-36.99	103-14.94	4.13	1.03	5	130	3.8	0.01	0.1	0.1	C	KMT IPU	ALM
	9	18	38	31.74	31-37.36	103-15.30	4.14	1.16	4	134	3.2	0.00		C	KMT IPD	ALN	
	10	1	53	42.43	31-37.25	103-16.95	5.00*	0.43	3	197	0.6	0.02		C	KMT EP	ALO	
	10	3	30	49.59	31-37.62	103-16.14	4.92	0.60	5	129	1.9	0.08	1.2	1.8	C	KMT IPD	ALP
	10	4	47	54.79	31-37.31	103-15.05	4.15	0.71	6	136	3.6	0.07	0.6	0.3	B	KMT IPD	ALQ
	10	10	26	16.94	31-37.19	103-16.84	5.00*	0.32	3	199	0.8	0.03		C	KMT IPD	ALR	
	10	21	42	23.01	31-37.24	103-15.52	3.94	0.51	5	129	2.9	0.00	0.0	0.0	C	KMT IPD	ALS
	11	0	5	37.32	31-37.61	103-15.93	4.28	0.83	5	131	2.3	0.08	1.2	1.7	C	KMT IPD	ALT
	11	7	26	41.32	31-37.04	103-15.69	4.63	0.57	6	123	2.7	0.06	0.6	0.6	B	KMT IPD	ALU
	11	9	21	53.26	31-37.35	103-15.52	4.71	0.84	5	131	2.9	0.00	0.0	0.0	C	KMT IPU	ALV
	11	9	22	46.14	31-37.35	103-16.17	4.02	0.53	6	124	1.8	0.07	0.6	0.3	B	KMT IPD	ALW
	11	9	46	33.03	31-37.46	103-17.36	6.31	0.34	4	183	0.2	0.02		C	KMT IPD	ALX	
	11	10	58	0.42	31-37.04	103-15.46	4.05	0.49	5	126	3.0	0.05	0.7	0.4	C	KMT IPD	ALY
	11	12	3	25.34	31-37.17	103-15.91	4.43	0.96	4	123	2.3	0.01		C	KMT IPD	ALZ	
	11	16	58	28.00	31-37.45	103-15.30	4.49	0.43	5	217	2.4	0.02	1.7	0.8	C	KMT IPD	AMA
	11	17	41	3.53	31-37.15	103-15.82	4.11	1.10	4	124	2.4	0.00		C	KMT IPD	AMB	
	11	18	38	34.88	31-37.40	103-15.89	4.59	0.67	5	128	2.3	0.02	0.3	0.4	C	KMT IPD	AMC
	11	19	44	55.40	31-37.02	103-15.76	3.46	1.55	5	109	2.6	0.07	0.8	0.9	C	KMT IPD	AMD
	11	23	13	30.27	31-37.30	103-15.36	3.96	0.69	7	116	3.1	0.06	0.4	0.2	B	KMT IPD	AME
	12	1	33	6.57	31-37.46	103-17.23	5.00*	0.29	3	231	0.2	0.10		C	KMT IPD	AMF	
	12	4	22					0.22								KT7 EP	
	12	6	49	34.33	31-37.44	103-17.91	4.21	0.40	4	180	0.9	0.07		C	KMT IPD	AMG	
	12	11	10					0.08								KMT IPD	
	12	14	55	6.52	31-33.06	102-29.17	0.61	****	9	305	41.4	0.12	7.6	158.2	D	KM9 EP	AMH
	12	16	5					0.82								KMT IPD	
	13	0	1	36.18	31-37.24	103-15.50	4.18	0.67	6	129	2.9	0.04	0.3	0.2	B	KMT IPD	AMI
	13	1	1	24.58	31-37.30	103-15.47	3.99	0.41	8	131	2.9	0.12	0.6	0.3	B	KMT IPD	AMJ
	13	4	43					0.22								KMT IPD	
	13	6	26	25.72	31-37.37	103-15.20	4.10	1.18	4	135	3.4	0.00		C	KMT IPD	AMK	
	13	15	47	43.13	31-37.34	103-16.91	4.57	1.35	4	115	0.7	0.00		C	KMT IPD	AML	
	13	16	40	15.00	31-38.21	103-15.73	2.84	0.39	4	266	3.0	0.03		C	KMT IPD	AMM	
	13	18	48	32.24	31-37.95	103-17.43	5.00*	0.29	3	182	1.1	0.09		C	KMT EP	AMN	
	13	22	30	43.27	31-37.33	103-15.86	4.86	0.49	8	127	2.3	0.09	0.5	0.6	B	KMT IPD	AMO
	14	6	3	10.72	31-36.59	103-16.09	5.95	0.92	5	213	2.4	0.00	0.1	0.0	C	KMT IPD	AMP
	14	8	16	14.90	31-36.95	103-15.59	3.99	0.98	5	122	2.9	0.03	0.5	0.3	C	KMT IPD	AMQ
	14	8	43	42.94	31-37.22	103-15.32	3.68	1.56	5	115	3.2	0.06	0.8	0.9	C	KMT IPD	AMR
	14	10	1	14.93	31-37.01	103-15.30	4.60	0.41	5	126	3.3	0.02	0.3	0.5	C	KMT EP	AMS
	14	12	6	1.98	31-37.21	103-15.25	2.88	1.35	5	115	3.3	0.07	0.8	1.0	C	KMT IPD	AMT
	14	14	6	46.10	31-37.34	103-14.36	3.67	0.50	5	238	4.7	0.00	0.1	0.1	C	KMT IPD	AMU
	14	14	45	51.90	31-36.74	103-16.71	6.28	0.49	5	225	1.5	0.02	0.7	0.4	C	KMT IPD	AMV
	14	18	40					0.22								KMT IPD	
	15	6	15	14.19	31-37.45	103-18.91	5.00*	0.46	3	287	2.5	0.00		C	KMT IPD	AMW	
	15	8	25	36.11	31-38.05	103-15.70	6.54	0.61	4	232	2.9	0.00		C	KMT IPD	AMX	
	15	12	11	23.88	31-37.54	103-15.27	5.00*	0.43	3	206	3.3	0.00		C	KMT IPD	AMY	

Table 3.--Location summary for January 1978--Continued.

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE	
JAN	15	12	23	46.93	31-37.63	103-17.59	5.00*	0.46	3	322	0.6	0.03			C	KMT IPD	AMZ
	15	16	44	4.53	31-37.09	103-15.38	4.27	0.73	4	127	3.1	0.00			C	KMT IPD	ANA
	15	23	18	7.45	31-38.94	102-37.66	2.60	****	9	289	24.3	0.20	7.6	264.9	D	KM9 EP	ANB
	16	6	14	35.70	31-37.39	103-17.43	5.00*	0.35	3	242	0.2	0.03			C	KMT IPD	ANC
	16	18	7	29.20	31-37.90	103-17.43	5.00*	0.49	3	181	1.0	0.08			C	KMT IPD	AND
	16	19	34				0.33									KMT IPD	
	16	22	3				0.44									KMT IPD	
	17	2	9	39.86	31-36.81	103-15.15	4.06	0.49	6	123	3.6	0.05	0.4	0.2	B	KMT IPD	ANF
	17	16	24	32.98	31-36.97	103-16.13	0.17	0.55	4	211	2.0	0.07			C	KMT IPD	ANF
	17	20	17	22.79	31-35.16	102-34.06	5.00*	****	3	338	32.7	0.20			C	KM9 EP	ANG
	18	0	31	29.70	31-37.01	103-15.50	4.89	0.60	6	124	3.0	0.08	0.8	0.9	B	KMT IPD	ANH
	18	2	55	30.49	31-37.06	103-15.02	4.06	0.69	5	130	3.7	0.01	0.2	0.1	C	KMT IPU	ANI
	18	8	53	18.89	31-37.02	103-14.96	3.36	2.09	6	99	3.8	0.08	0.8	0.7	B	KMT IP	ANJ
	18	10	21	43.49	31-36.85	103-14.88	3.84	0.51	6	127	4.0	0.06	0.6	0.4	B	KMT IPD	ANK
	18	10	42	23.39	31-36.82	103-15.00	4.89	0.44	6	125	3.8	0.04	0.4	0.5	B	KMT IPD	ANL
	18	10	52	52.50	31-36.73	103-14.76	4.12	0.75	5	125	4.2	0.05	0.6	0.4	C	KMT IPD	ANM
	18	11	17	50.85	31-37.02	103-16.94	5.00*	0.61	3	197	0.9	0.03			C	KMT IPD	ANN
	19	3	42				****									KT4 EP	
	19	14	11	23.90	31-37.00	103-15.52	4.85	0.81	6	124	2.9	0.09	0.9	1.0	B	KMT IPD	ANO
	20	2	17				****									KM9 EP	
	20	4	54				****									KM9 EP	
	20	13	20	13.42	31-36.72	103-19.01	5.00*	0.36	3	300	2.9	0.01			C	KMT IPD	ANP
	20	13	24	49.33	31-36.91	103-19.52	3.77	2.50	4	294	3.6	0.01			C	KMT IPD	ANQ
	20	22	7	51.92	31-36.93	103-15.26	4.07	0.81	6	125	3.4	0.04	0.3	0.2	B	KMT IPD	ANR
	21	6	6				****									KM9 EP	
	22	1	15				0.22									KMT IPD	
	22	14	35	5.69	31-37.08	103-15.59	4.12	1.02	4	125	2.8	0.00			C	KMT IPD	ANS
	22	19	56	57.18	31-37.01	103-14.77	4.10	0.59	4	232	4.1	0.00			C	KMT IPD	ANT
	23	12	58	35.68	31-38.10	103-20.54	5.00*	0.25	3	308	5.3	0.00			C	KMT IPD	ANU
	23	19	53	26.26	31-37.13	103-14.61	3.84	0.57	7	137	4.3	0.07	0.4	0.2	B	KMT IP	ANV
	24	2	39	20.39	31-37.15	103-15.73	4.27	0.69	5	125	2.6	0.02	0.3	0.5	C	KMT IP	ANW
	29	16	15				0.22									KMT IPU	
	30	11	30				0.22									KMT IPD	
	30	11	47				0.22									KMT IPD	
	30	21	20	18.70	31-37.99	103-15.96	4.30	0.41	5	138	2.5	0.01	0.1	0.2	C	KMT IPD	ANX
	30	22	5				****									KM9 EP	
	31	8	36	16.83	31-37.28	103-15.46	4.02	0.64	6	130	3.0	0.08	0.7	0.4	B	KMT IPD	ANY
	31	19	57	8.70	31-37.25	103-15.84	4.35	0.46	6	126	2.4	0.02	0.2	0.3	B	KMT IPD	ANZ

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Table 4.--Phase list for events in January 1978.

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 01 01	KIE	IPU	0434 01.65		4.0
78 01 01	KTX	IPU	0434 02.35		4.5
78 01 01	KT7	IPD	0434 02.45	04.4	5.0
		1			
78 01 01	KTX	IPD	0442 09.23	10.9	3.5
78 01 01	KT7	IPU	0442 09.40	11.3	3.5
		1			
78 01 01	KIE	IPD	0625 49.95		4.5
78 01 01	KTX	IPU	0625 50.55		5.0
78 01 01	KT7	IPU	0625 50.65	52.7	5.5
		1			
78 01 01	KIE	IPD	1151 57.7		6.0
78 01 01	KTX	IPU	1151 58.3		6.5
78 01 01	KT7	IPU	1151 58.35		6.0
78 01 01	KIE	EP	2246 31.2		3.5
78 01 01	KTX	EP	2246 31.9	33.6	3.5
78 01 01	KT7	EP	2246 31.97	34.0	4.0
		1			
78 01 02	KTX	IPU	0155 29.6		4.0
78 01 02	KT7	IPU	0155 29.75	31.7	4.5
		1			
78 01 02	KIE	IPD	0552 20.89		4.5
78 01 02	KT7	IPU	0552 21.73	23.4	4.5
78 01 02	KTX	IPU	0552 21.78		4.5
		1			
78 01 02	KIE	EP	0757 39.08		4.5
78 01 02	KTX	IPD	0757 39.69	41.2	5.0
78 01 02	KT7	IPU	0757 39.81	41.7	5.0
		1			
78 01 02	KIE	EP	0948 20.8		4.5
78 01 02	KTX	EP	0948 20.37		4.5
78 01 02	KT7	EP	0948 20.52		4.5
78 01 02	KM9	EP	1010 53.27		
78 01 02	KM6	EP	1010 56.18		
78 01 02	KM5	EP	1010 56.23		42.5
78 01 02	KT8	EP	1010 56.43		
78 01 02	KTX	EP	1010 59.38		
78 01 02	KT7	EP	1010 59.88		43.0
78 01 02	KM2	EP	1010 59.9		
78 01 02	KT4	EP	1010 61.15		
78 01 02	KIE	IPD	1117 43.8		4.5
78 01 02	KTX	IPU	1117 44.62		4.5
78 01 02	KT7	IPU	1117 44.63	46.2	4.5
		1			
78 01 02	KIE	IPD	1242 43.2		6.0
78 01 02	KTX	IPD	1242 43.93		6.0
78 01 02	KT7	IPU	1242 44.07	46.3	6.5
		1			
78 01 02	KIE	IPU	1403 08.3		4.5
78 01 02	KTX	IPU	1403 08.87	10.7	5.0

Table 4.--Phase list for events in January 1978--Continued.

78	01	02	KT7	IPU	1403	09.02	10.9	5.0
					1			
78	01	02	KIE	EP	1429	12.72		5.0
78	01	02	KTX	IPD	1429	13.32		5.0
78	01	02	KT7	EP	1429	13.38		5.5
78	01	02	KIE	EP	1445	40.08		5.5
78	01	02	KTX	IPU	1445	40.62		5.5
78	01	02	KT7	EP	1445	40.78	42.7	5.5
					1			
78	01	02	KIE	EP	1530	25.82		
78	01	02	KTX	EP	1530	26.5	28.5	6.0
78	01	02	KT7	IPU	1530	26.63		6.0
					1			
78	01	02	KIE	IPU	1911	22.45	23.7	4.5
78	01	02	KTX	IPU	1911	23.2	25.0	5.0
78	01	02	KT7	IPU	1911	23.5	25.4	5.5
					1			
78	01	02	KIE	EP	2030	26.15		4.5
78	01	02	KTX	EP	2030	26.9		4.0
78	01	02	KT7	EP	2030	26.97	28.9	4.5
					1			
78	01	02	KIE	IPD	2316	53.62		5.0
78	01	02	KTX	EP	2316	54.35		5.0
78	01	02	KT7	IPU	2316	54.52	56.2	6.0
					1			
78	01	03	KIE	EP	0307	15.12		4.0
78	01	03	KTX	IPU	0307	15.82		5.0
78	01	03	KT7	IPD	0307	15.95	17.9	5.5
					1			
78	01	03	KIE	EP	1016	32.4	33.6	5.0
78	01	03	KTX	IPU	1016	33.12	34.8	6.0
78	01	03	KT7	IPU	1016	33.18	34.9	6.0
					1			
78	01	03	KIE	EP	1259	13.1		5.0
78	01	03	KTX	IPU	1259	14.17		5.0
78	01	03	KT7	IPU	1259	14.25	16.2	5.5
					1			
78	01	03	KIE	EP	1421	40.0		4.0
78	01	03	KTX	IPU	1421	40.68		4.0
78	01	03	KT7	EP	1421	40.75	42.9	4.5
					1			
78	01	03	KIE	IPU	1843	44.63		5.5
78	01	03	KTX	EP	1843	45.42		5.5
78	01	03	KT7	IPU	1843	45.47	47.4	6.0
					1			
78	01	03	KTX	IPU	2316	18.3		4.0
78	01	03	KT7	EP	2316	18.45	19.9	4.5
					1			
78	01	04	KT7	IPU	0806	15.55		5.0
78	01	04	KTX	EP	1624	35.5	37.4	4.0
78	01	04	KT7	IPU	1624	35.6	37.6	4.0
					1			
78	01	04	KTX	IPU	1955	44.88		4.0
78	01	04	KT7	IPD	1955	44.93	47.0	4.5
					1			
78	01	04	KIE	IPU	2235	21.75		4.5
78	01	04	KTX	IPU	2235	23.05		5.0
78	01	04	KT7	EP	2235	23.1	25.2	5.5
					1			

Table 4.--Phase list for events in January 1978--Continued.

78 01 04	KIE	IPU	2334	56.45		9.5
78 01 04	KTX	EP	2334	57.2		10.0
78 01 04	KT7	IPU	2334	57.27	59.1	11.0
			1			
78 01 05	KIE	EP	0046	58.0		4.5
78 01 05	KTX	EP	0046	58.65	60.5	5.0
78 01 05	KT7	IPU	0046	58.8	60.9	6.0
			1			
78 01 05	KT7	IPU	0117	17.35		4.0
78 01 05	KTX	IPD	0117	17.6		4.0
78 01 05	KIE	IPU	0421	41.75		12.5
78 01 05	KTX	IPU	0421	42.55		12.5
78 01 05	KT7	IPD	0421	42.6		12.5
78 01 05	KT4	EP 2	0421	46.1		
78 01 05	KIE	IPD	0431	24.7		4.5
78 01 05	KTX	IPU	0431	25.5		5.5
78 01 05	KT7	IPU	0431	25.55	27.2	5.5
			1			
78 01 05	KT7	EP	0646	17.1		3.5
78 01 05	KIE	IPU	1111	02.8		6.0
78 01 05	KTX	IPU	1111	03.45		6.5
78 01 05	KT7	IPU	1111	03.6	5.5	7.0
			1			
78 01 05	KIE	EP	1222	56.05		4.0
78 01 05	KT7	EP	1222	56.6	58.2	4.5
			1			
78 01 05	KIE	EP	1904	56.6		5.5
78 01 05	KTX	IPU	1904	57.15		6.0
78 01 05	KT7	IPU	1904	57.25		6.5
78 01 06	KIE	IPD	0354	56.65		5.0
78 01 06	KTX	IPU	0354	57.4	59.4	6.0
78 01 06	KT7	IPU	0354	57.4	59.4	6.0
			1			
78 01 06	KIE	IPD	0441	01.7		4.0
78 01 06	KT7	IPU	0441	02.45	04.4	4.5
78 01 06	KTX	EP	0441	02.5	4.4	4.5
			1			
78 01 06	KTX	EP	0542	01.8		4.0
78 01 06	KJL2	IPU	0600	51.6		5.0
78 01 06	KJL1	IPD	0600	53.3		8.0
78 01 06	KM2	EP	0600	53.6		3.5
78 01 06	KTX	EP	1156	22.1		4.0
78 01 06	KIE	IPD	1346	32.5		5.0
78 01 06	KTX	EP	1346	33.35		5.5
78 01 06	KTX	IPU	1536	01.55		4.5
78 01 06	KT7	EP	1536	01.7	03.7	4.5
			1			
78 01 07	KMT	IP	0622	22.95		7.5
78 01 07	KIE	IPD	0622	23.5		7.0
78 01 07	KTX	IPU	0622	24.05		8.0
78 01 07	KT7	IPU	0622	24.1		8.0
78 01 07	KMT	IPD	0900	12.05		7.5

Table 4.--Phase list for events in January 1978--Continued.

78 01 07	KIE	IPU	0900	12.6		7.0
78 01 07	KT7	IPD	0900	13.25		7.5
78 01 07	KTX	IPD	0900	13.3		8.0
78 01 07	KMT	IPD	0923	37.1		7.5
78 01 07	KIE	IPD	0923	37.65		6.5
78 01 07	KTX	IPU	0923	38.3		7.5
78 01 07	KT7	IPD	0923	38.35	40.3	8.0
			1			
78 01 07	KMT	EP	1437	22.2		4.0
78 01 07	KTX	EP	1437	23.35		4.0
78 01 07	KT7	IPU	1437	23.45	25.3	4.5
			1			
78 01 08	KMT	IPU	2044	53.05		6.5
78 01 08	KIE	IPD	2044	53.25		6.0
78 01 08	KTX	EP	2044	54.15		6.5
78 01 08	KT7	IPU	2044	54.4	56.0	6.5
			1			
78 01 08	KMT	IPD	2243	13.25		5.5
78 01 08	KIE	EP	2243	13.7		5.0
78 01 08	KTX	EP	2243	14.5		5.5
78 01 08	KT7	IPU	2243	14.5		5.5
78 01 09	KMT	IPD	0150	13.45		5.0
78 01 09	KIE	EP	0150	14.0		4.5
78 01 09	KTX	IPU	0150	14.6		5.0
78 01 09	KT7	EP	0150	14.6		5.0
78 01 09	KMT	IPU	0201	12.45		4.5
78 01 09	KIE	EP	0201	12.9		4.0
78 01 09	KT7	IPU	0201	13.65	15.4	4.5
			1			
78 01 09	KIE	IPD	0204	02.35		5.0
78 01 09	KT7	EP	0204	03.1	04.8	4.5
			1			
78 01 09	KMT	IPD	0709	54.85	55.4	3.5
78 01 09	KT7	IPU	0709	56.05	57.7	4.5
			1			
78 01 09	KMT	IPD	0748	10.5	11.1	3.0
78 01 09	KT7	EP	0748	11.6	13.2	4.5
			1			
78 01 09	KMT	IPU	0817	35.05		8.0
78 01 09	KIE	IPD	0817	35.25		9.5
78 01 09	KTX	EP	0817	36.1		8.0
78 01 09	KT7	IPU	0817	36.3	38.2	9.0
			1			
78 01 09	KMT	IPD	1838	32.8		10.0
78 01 09	KIE	IPU	1838	33.2		9.5
78 01 09	KTX	IPU	1838	34.0		10.0
78 01 09	KT7	IPU	1838	34.0		10.5
78 01 10	KMT	EP	0153	43.4	44.3	4.0
78 01 10	KTX	EP	0153	44.6		4.5
78 01 10	KT7	IPU	0153	44.6	46.6	4.5
78 01 10	KMT	IPD	0330	50.65		5.5
78 01 10	KIE	IPU	0330	51.3		5.0
78 01 10	KTX	IPU	0330	51.85		5.5
78 01 10	KT7	IPD	0330	51.85	53.2	5.0
			1			
78 01 10	KMT	IPD	0447	55.85		6.0

Table 4.--Phase list for events in January 1978--Continued.

78	01	10	KIE	EP	0447	56.2		5.5
78	01	10	KTX	IPU	0447	57.0	58.9	6.5
78	01	10	KT7	IPU	0447	57.0	59.0	6.0
					1			
78	01	10	KMT	IPD	1026	17.9	18.6	4.0
78	01	10	KTX	EP	1026	19.1		3.5
78	01	10	KT7	EP	1026	19.15	20.7	4.0
78	01	10	KMT	IPD	2142	24.0		5.0
78	01	10	KIE	EP	2142	24.5		4.5
78	01	10	KTX	EP	2142	25.25		4.5
78	01	10	KT7	IPU	2142	25.3	27.1	5.0
					1			
78	01	11	KMT	IPD	0005	38.3		7.5
78	01	11	KIE	IPU	0005	38.95		7.0
78	01	11	KTX	IPU	0005	39.6		6.5
78	01	11	KT7	IPD	0005	39.6	41.0	6.5
					1			
78	01	11	KMT	IPD	0726	42.3	43.2	4.5
78	01	11	KIE	IPU	0726	42.9		5.0
78	01	11	KTX	EP	0726	43.5		5.0
78	01	11	KT7	IPU	0726	43.55	45.5	6.0
					1			
78	01	11	KMT	IPU	0921	54.35		6.5
78	01	11	KIE	IPD	0921	54.8		6.5
78	01	11	KTX	EP	0921	55.5		7.0
78	01	11	KT7	IPU	0921	55.5	57.2	8.0
					1			
78	01	11	KMT	IPD	0922	47.15	47.6	4.5
78	01	11	KIE	EP	0922	47.8		4.5
78	01	11	KTX	EP	0922	48.35		5.0
78	01	11	KT7	EP	0922	48.4	50.0	5.5
					1			
78	01	11	KMT	IPD	0946	34.25	35.1	3.5
78	01	11	KT7	IPU	0946	35.15	36.8	4.5
					1			
78	01	11	KMT	IPD	1058	01.45		4.5
78	01	11	KIE	EP	1058	01.9		4.5
78	01	11	KTX	IPU	1058	02.6		4.5
78	01	11	KT7	IPU	1058	02.65	04.6	5.0
					1			
78	01	11	KMT	IPD	1203	26.35		8.5
78	01	11	KIE	IPD	1203	26.95		7.5
78	01	11	KTX	IPU	1203	27.5		8.5
78	01	11	KT7	IPD	1203	27.6		7.5
78	01	11	KMT	IPD	1658	29.05	29.8	4.5
78	01	11	KT7	IPU	1658	30.15	31.9	4.5
78	01	11	KTX	EP	1658	30.25		4.0
					1			
78	01	11	KMT	IPD	1741	04.5		10.5
78	01	11	KIE	EP	1741	05.1		9.5
78	01	11	KTX	IPU	1741	05.7		9.0
78	01	11	KT7	IPD	1741	05.8		8.5
78	01	11	KMT	IPD	1838	35.9		6.0
78	01	11	KIE	IPD	1838	36.5		6.0
78	01	11	KT7	IPU	1838	37.1	38.7	5.5
78	01	11	KTX	EP	1838	37.1		5.5
					1			
78	01	11	KMT	IPD	1944	56.35		17.0

Table 4.--Phase list for events in January 1978--Continued.

78 01 11	KIE	IPD	1944	56.9		17.0
78 01 11	KTX	IPD	1944	57.5		15.5
78 01 11	KT7	IPU	1944	57.65		14.0
78 01 11	KT4	EP 2	1944	61.45		
78 01 11	KMT	IPD	2313	31.3		6.5
78 01 11	KIE	IPD	2313	31.75		5.5
78 01 11	KTX	EP	2313	32.45	34.3	5.5
78 01 11	KT7	IPU	2313	32.55	34.4	6.0
78 01 11	KT4	EP 2	2313	35.9		
			1			
78 01 12	KMT	IPD	0133	07.5		3.5
78 01 12	KT7	EP	0133	08.8	10.2	4.0
			1			
78 01 12	KT7	EP	0422	21.1		3.5
78 01 12	KMT	IPD	0649	35.2		4.0
78 01 12	KTX	EP	0649	36.5		
78 01 12	KT7	EP	0649	36.5	37.9	4.5
			1			
78 01 12	KMT	IPD	1110	27.55		3.0
78 01 12	KM9	EP	1455	14.05		
78 01 12	KM6	EP	1455	17.1		
78 01 12	KM5	EP	1455	17.2		
78 01 12	KT8	EP	1455	17.35		
78 01 12	KIE	EP	1455	18.4		
78 01 12	KTX	EP	1455	19.9		
78 01 12	KMT	EP	1455	20.0		
78 01 12	KM2	EP	1455	21.0		
78 01 12	KT4	EP	1455	22.0		
78 01 12	KMT	IPD	1605	54.35		7.0
78 01 13	KMT	IPD	0001	37.15	38.0	6.5
78 01 13	KIE	IPD	0001	37.7		5.5
78 01 13	KTX	EP	0001	38.4		6.0
78 01 13	KT7	IPU	0001	38.4	40.2	5.0
			1			
78 01 13	KMT	IPD	0101	25.5	26.4	4.5
78 01 13	KIE	IPD	0101	25.95	27.3	4.0
78 01 13	KTX	EP	0101	26.7	28.7	4.
78 01 13	KT7	IPU	0101	26.7	28.8	4.5
			1			
78 01 13	KMT	IPD	0443	07.0		3.5
78 01 13	KMT	IPD	0626	26.8		10.5
78 01 13	KIE	IPD	0626	27.15		11.0
78 01 13	KTX	IPU	0626	28.0		9.5
78 01 13	KT7	IPU	0626	28.0		
78 01 13	KMT	IPD	1547	44.05		12.0
78 01 13	KIE	IPD	1547	45.0		12.5
78 01 13	KT7	IPU	1547	45.25		13.5
78 01 13	KTX	IPU	1547	45.3		12.0
78 01 13	KT4	EP 4	1547	50.05		
78 01 13	KMT	IPD	1640	15.8	16.5	3.5
78 01 13	KT7	EP	1640	16.95	18.4	5.0
			1			
78 01 13	KMT	EP	1848	33.2		3.5

Table 4.--Phase list for events in January 1978--Continued.

78 01 13	KT7	EP	1848	34.3	35.6	4.0
			1			
78 01 13	KMT	IPD	2230	44.2	45.2	4.5
78 01 13	KIE	IPD	2230	44.9	46.2	4.5
78 01 13	KTX	IPU	2230	45.4	47.3	4.5
78 01 13	KT7	IPD	2230	45.4	47.3	5.0
			1			
78 01 14	KMT	IPD	0603	11.95	12.9	8.0
78 01 14	KIE	IPD	0603	12.45		7.5
78 01 14	KT7	IPU	0603	13.15	15.0	7.5
			1			
78 01 14	KMT	IPD	0816	15.9		8.0
78 01 14	KIE	IPD	0816	16.4		8.0
78 01 14	KTX	IPU	0816	17.05		8.0
78 01 14	KT7	IPU	0816	17.2	19.1	8.5
			1			
78 01 14	KMT	IPD	0843	44.0		16.0
78 01 14	KIE	IPU	0843	44.35		15.0
78 01 14	KTX	IPU	0843	45.15		16.5
78 01 14	KT7	IPD	0843	45.2		16.0
78 01 14	KT4	EP 2	0843	48.9		
78 01 14	KMT	EP	1001	16.05		4.0
78 01 14	KIE	EP	1001	16.4		4.5
78 01 14	KTX	EP	1001	17.1		4.0
78 01 14	KT7	EP	1001	17.25	19.1	4.5
			1			
78 01 14	KMT	IPD	1206	02.95		12.5
78 01 14	KIE	IPU	1206	03.3		12.5
78 01 14	KTX	IPU	1206	04.15		12.0
78 01 14	KT7	IPU	1206	04.2		13.0
78 01 14	KT4	EP 2	1206	08.05		
78 01 14	KMT	IPD	1406	47.3	48.2	4.5
78 01 14	KTX	EP	1406	48.5		5.0
78 01 14	KT7	IPU	1406	48.55	50.4	4.5
			1			
78 01 14	KMT	IPD	1445	53.1	54.1	4.5
78 01 14	KIE	EP	1445	53.8		4.5
78 01 14	KT7	EP	1445	54.3	56.1	5.0
			1			
78 01 14	KMT	IPD	1840	39.35		3.5
78 01 15	KMT	IPD	0615	15.3	16.1	4.5
78 01 15	KTX	IPU	0615	16.45		4.5
			1			
78 01 15	KMT	IPD	0825	37.45		5.5
78 01 15	KIE	EP	0825	37.9		5.0
78 01 15	KTX	IPD	0825	38.6	40.5	5.5
			1			
78 01 15	KMT	IPD	1211	25.05		4.5
78 01 15	KIE	EP	1211	25.4		4.0
78 01 15	KTX	EP	1211	26.2		4.5
78 01 15	KMT	IPD	1223	47.95	48.6	4.5
78 01 15	KTX	EP	1223	49.2		4.5
			1			
78 01 15	KMT	IPD	1644	05.6		6.0
78 01 15	KIE	EP	1644	06.0		5.5
78 01 15	KTX	IPU	1644	06.7		6.5
78 01 15	KT7	EP	1644	06.85		6.5

Table 4.--Phase list for events in January 1978--Continued.

78 01 15	KM9	EP	2318	12.1		
78 01 15	KM6	EP	2318	15.1		
78 01 15	KM5	EP	2318	15.2		
78 01 15	KT8	EP	2318	15.2		
78 01 15	KIE	EP	2318	17.6		
78 01 15	KTX	EP	2318	18.5		
78 01 15	KT7	EP	2318	18.6		
78 01 15	KM2	EP	2318	18.8		
78 01 15	KT4	EP	2318	19.9		
78 01 16	KMT	IPD	0614	36.7		4.0
78 01 16	KT7	IPU	0614	37.75	39.4	4.0
			1			
78 01 16	KMT	IPD	1807	30.15		4.0
78 01 16	KT7	IPU	1807	31.25	32.6	5.5
			1			
78 01 16	KMT	IPD	1934	17.0		4.0
78 01 16	KMT	IPD	2203	29.95		4.5
78 01 17	KMT	IPD	0209	41.0	41.8	4.0
78 01 17	KIE	EP	0209	41.25		4.0
78 01 17	KTX	EP	0209	42.0		4.5
78 01 17	KT7	IPU	0209	42.2	44.2	6.5
			1			
78 01 17	KMT	IPD	1624	33.35		5.0
78 01 17	KTX	EP	1624	35.0		4.5
78 01 17	KT7	IPU	1624	35.1	37.0	5.5
			1			
78 01 17	KM9	EP	2017	28.5		
78 01 17	KT7	EP	2017	34.8		
78 01 17	KT4	EP	2017	36.55		
78 01 18	KMT	IPD	0031	30.7	31.7	5.5
78 01 18	KIE	EP	0031	31.25		5.0
78 01 18	KTX	EP	0031	31.9		5.0
78 01 18	KT7	IPU	0031	31.95	33.9	5.5
			1			
78 01 18	KMT	IPU	0255	31.6		6.0
78 01 18	KIE	IPD	0255	31.85		5.5
78 01 18	KTX	EP	0255	32.7		5.5
78 01 18	KT7	IPU	0255	32.85	34.7	6.5
			1			
78 01 18	KMT	IP	0853	20.0		30.0
78 01 18	KIE	IPU	0853	20.2		29.5
78 01 18	KTX	IPU	0853	21.05		29.5
78 01 18	KT7	IPU	0853	21.2		28.0
78 01 18	KT8	IPD	0853	22.3		
78 01 18	KT4	EP	0853	25.0		
78 01 18	KMT	IPD	1021	44.6	45.5	4.5
78 01 18	KIE	EP	1021	44.8		5.0
78 01 18	KT7	IPU	1021	45.85	48.0	5.0
78 01 18	KTX	EP	1021	45.7		4.5
			1			
78 01 18	KMT	IPD	1042	24.6	25.5	4.5
78 01 18	KIE	EP	1042	24.8		4.5
78 01 18	KTX	IPD	1042	25.55		4.0
78 01 18	KT7	IPU	1042	25.75	27.8	4.5
			1			

Table 4.--Phase list for events in January 1978--Continued.

78 01 18	KMT	IPD	1052	53.7		6.0
78 01 18	KIE	IPD	1052	53.8		6.5
78 01 18	KTX	IP	1052	54.65		6.0
78 01 18	KT7	IPU	1052	54.9	57.0	6.5
			1			
78 01 18	KMT	IPD	1117	51.8		5.5
78 01 18	KTX	IPD	1117	52.95		5.0
78 01 18	KT7	IPU	1117	53.1		5.5
78 01 19	KT4	EP	0342	51.6	67.3	
78 01 19	KMT	IPD	1411	24.85	25.9	6.5
78 01 19	KIE	EP	1411	25.45		6.0
78 01 19	KTX	IPU	1411	26.1		6.5
78 01 19	KT7	IPU	1411	26.15	28.1	8.0
			1			
78 01 20	KM9	EP	0217	09.4		
78 01 20	KM9	EP	0454	11.3		
78 01 20	KMT	IPD	1320	14.55	15.4	4.0
78 01 20	KT7	EP	1320	15.7		4.0
			1			
78 01 20	KMT	IPD	1324	50.4	51.2	4.5
78 01 20	KT7	IPU	1324	51.6	53.4	4.95
			1			
78 01 20	KMT	IPD	2207	53.0		6.5
78 01 20	KIE	IPD	2207	53.35		7.0
78 01 20	KTX	IPU	2207	54.0	55.8	6.5
78 01 20	KT7	IPU	2207	54.3	56.2	7.0
			1			
78 01 21	KM9	EP	0606	11.4		
78 01 22	KMT	IPD	0115	34.1		3.5
78 01 22	KMT	IPD	1435	06.7		8.5
78 01 22	KIE	IPD	1435	07.2		8.5
78 01 22	KTX	IPU	1435	07.85		8.5
78 01 22	KT7	IPU	1435	08.00		8.5
78 01 22	KMT	IPD	1956	58.35		5.0
78 01 22	KTX	IPU	1956	59.4		5.0
78 01 22	KT7	EP	1956	59.6	61.5	5.5
			1			
78 01 23	KMT	IPD	1258	37.1	38.2	3.5
78 01 23	KTX	EP	1258	38.25		3.5
			1			
78 01 23	KMT	IP	1953	27.35	28.4	5.5
78 01 23	KIE	IPD	1953	27.55		5.5
78 01 23	KTX	IPU	1953	28.5	30.4	4.0
78 01 23	KT7	IPU	1953	28.6	30.7	5.5
			1			
78 01 24	KMT	IP	0239	21.4		6.0
78 01 24	KIE	IPU	0239	21.95		6.0
78 01 24	KTX	IPD	0239	22.55		5.5
78 01 24	KT7	EP	0239	22.7	24.4	6.0
			1			
78 01 29	KMT	IPU	1615	33.3		3.5
78 01 29	KT7	EP	1615	34.8		3.5
78 01 30	KMT	IPD	1130	57.1	A-32	3.5

Table 4.--Phase list for events in January 1978--Continued.

78 01 30	KMT	IPD	1147 21.2		3.5
78 01 30	KMT	IPD	2120 19.7		4.5
78 01 30	KIE	EP	2120 20.4		4.0
78 01 30	KT7	EP	2120 20.7	22.3	4.5
78 01 30	KT7	EP	2120 21.1		4.0
			1		
78 01 30	KM9	EP	2205 02.3	11.3	
78 01 31	KMT	IPD	0836 17.8		5.5
78 01 31	KIE	EP	0836 18.35		5.5
78 01 31	KT7	EP	0836 19.00	20.9	5.5
78 01 31	KT7	IPU	0836 19.00	21.0	5.5
			1		
78 01 31	KMT	IPD	1957 09.7		4.5
78 01 31	KIE	EP	1957 10.3		4.5
78 01 31	KT7	EP	1957 10.9	12.6	4.5
78 01 31	KT7	EP	1957 10.9	12.7	4.5
			1		

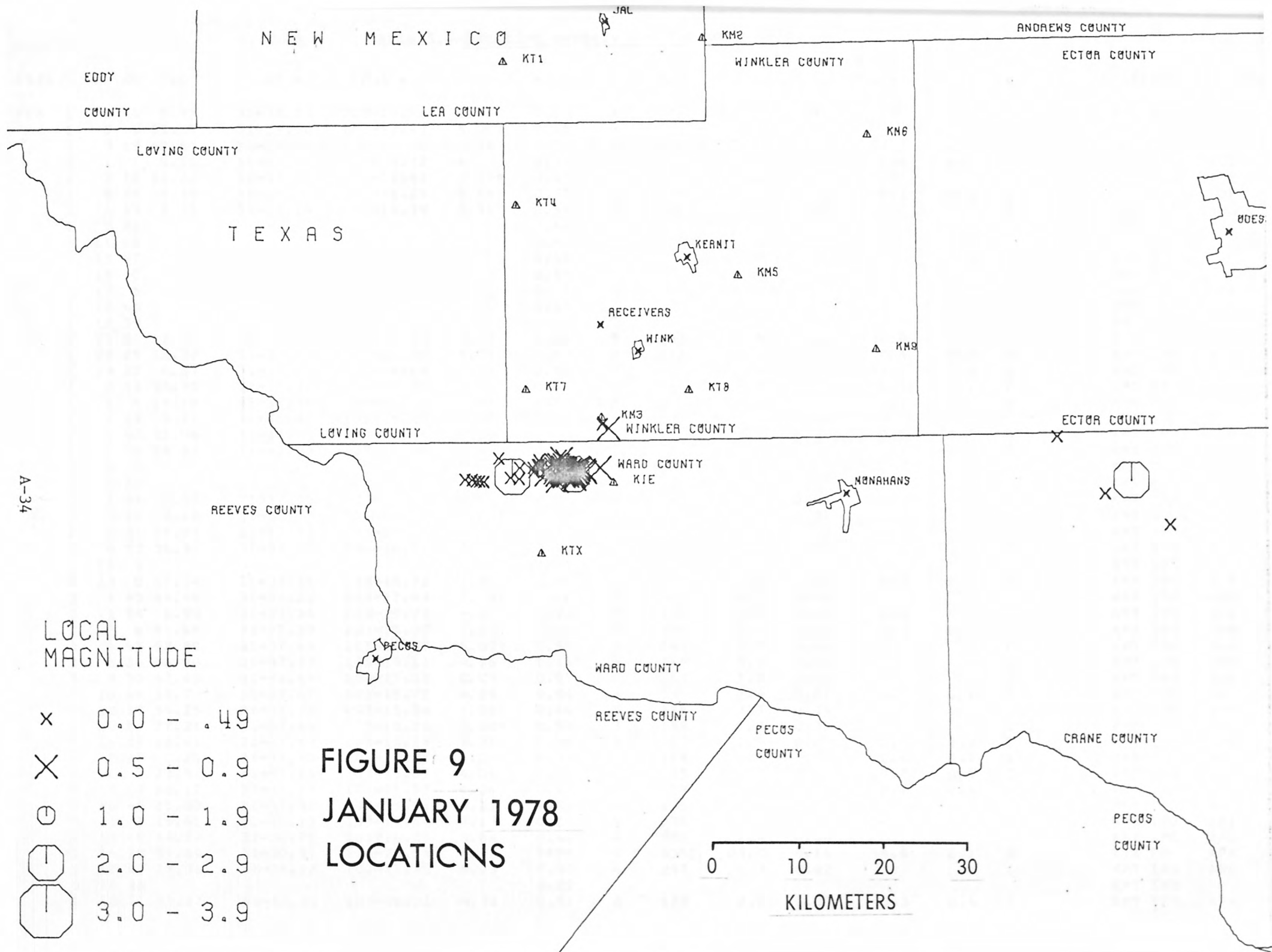


Table 5.--Location summary for February 1978.

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE	
FEB	1	0	6	8.73	31-37.73	103-16.98	5.63	0.29	4	232	0.9	0.02			C	KMT IPD	AOA
	1	0	9	55.59	31-37.90	103-17.43	5.00*	0.45	3	181	1.0	0.08			C	KMT EP	AOB
	1	0	39	42.85	31-38.08	103-16.01	3.88	1.28	6	123	2.5	0.03	0.3	0.2	B	KMT IP	AOC
	1	1	1	9.56	31-37.40	103-15.72	4.10	0.83	6	130	2.5	0.05	0.4	0.2	B	KMT IPD	AOD
	1	2	34	51.82	31-37.46	103-17.43	5.00*	0.45	3	211	0.2	0.01			C	KMT IPD	AOE
	1	5	38	8.39	31-37.41	103-15.85	3.64	0.53	6	128	2.3	0.01	0.1	0.3	B	KMT IPD	AOF
	1	6	33	3.35	31-37.19	103-15.39	5.81	0.51	4	301	3.1	0.01			C	KMT IPD	AOG
	1	9	28					0.44								KMT IPD	
	1	11	43					0.44								KMT IPD	
	1	13	47					0.53								KMT IPD	
	1	15	0					0.53								KMT IPD	
	1	17	6					0.33								KMT IPD	
	1	17	44					0.53								KMT IP	
	1	18	39					0.61								KMT IPD	
	1	21	58	12.00	31-38.04	103-15.77	3.49	0.49	5	141	2.8	0.01	0.1	0.3	C	KMT IPD	AOH
	1	22	25	10.27	31-37.49	103-15.72	4.03	0.65	6	132	2.6	0.05	0.4	0.3	B	KMT IPD	AOI
	1	23	22	4.57	31-37.26	103-15.68	4.13	0.64	8	128	2.6	0.02	0.1	0.0	B	KMT IPD	AOJ
	2	0	13	34.93	31-37.92	103-15.75	3.96	0.55	5	140	2.7	0.01	0.1	0.1	C	KMT IP	AOK
	2	1	4	14.19	31-38.06	103-15.89	5.64	0.48	8	140	2.6	0.04	0.2	0.3	B	KMT IPD	AOL
	2	1	19	6.21	31-36.92	103-16.25	4.55	0.43	4	198	1.9	0.00			C	KMT IPD	AOM
	2	1	40	32.96	31-37.51	103-15.64	5.14	0.46	8	133	2.7	0.09	0.5	0.7	B	KMT IPD	AON
	2	1	54	25.57	31-37.98	103-15.98	3.91	0.39	5	137	2.4	0.00	0.1	0.0	C	KMT IPD	AOO
	2	2	14					0.44								KMT IPD	
	2	2	29					****								KM9 EP	
A-35	2	2	58	5.07	31-37.96	103-15.74	3.98	0.83	4	140	2.7	0.00			C	KMT IPD	AOP
	2	8	36	2.66	31-36.75	103-16.39	5.00*	0.55	3	212	1.9	0.01			C	KMT IPD	AOQ
	2	8	51	45.03	31-37.46	103-15.45	4.43	0.50	4	134	3.0	0.00			C	KMT IPD	AOR
	2	9	52	36.51	31-37.03	103-16.41	7.13	0.46	4	309	1.6	0.02			C	KMT IPD	AOS
	2	13	3					0.33								KMT IPD	
	2	23	0	57.74	31-37.34	103-15.72	3.94	0.41	5	129	2.5	0.05	0.7	0.4	C	KMT IPD	AOT
	3	1	45	48.14	31-37.22	103-17.43	5.00*	0.40	3	321	0.3	0.06			C	KMT IPD	AOU
	3	1	58	6.99	31-37.36	103-15.78	4.07	0.73	7	128	2.4	0.06	0.4	0.2	B	KMT IPD	AOV
	3	3	6	41.66	31-37.89	103-15.00	2.53	0.46	5	150	3.8	0.02	0.2	0.7	C	KMT IPD	AOW
	3	4	42	52.89	31-37.46	103-18.57	5.00*	0.50	3	267	2.0	0.00			C	KMT IPD	AOX
	3	8	34	46.90	31-37.75	103-15.11	4.06	1.14	4	145	3.6	0.00			C	KMT IPD	AOY
	3	9	30	47.45	31-38.44	103-15.38	0.09	0.94	4	155	3.7	0.02			C	KMT IPD	AOZ
	3	10	44	38.70	31-37.62	103-15.72	4.20	0.80	5	134	2.6	0.01	0.1	0.1	C	KMT IPD	APA
	3	18	18	54.25	31-37.36	103-15.84	4.01	0.66	5	128	2.3	0.04	0.5	0.3	C	KMT IPD	APB
	3	20	57	27.21	31-37.46	103-16.26	5.00*	0.58	3	159	1.7	0.00			C	KMT IPD	APC
	4	15	35	48.41	31-37.47	103-15.75	3.71	1.84	5	87	2.5	0.02	0.3	0.3	C	KMT IPD	APD
	5	2	27	0.23	31-37.40	103-15.87	4.00	0.27	6	128	2.3	0.04	0.4	0.2	B	KMT IPD	APE
	5	6	0	23.91	31-37.14	103-15.67	4.06	0.43	5	125	2.7	0.05	0.7	0.4	C	KMT IPD	APF
	5	9	9	56.17	31-37.23	103-15.53	4.04	0.93	5	129	2.9	0.05	0.7	0.4	C	KMT IP	APG
	5	10	46	25.00	31-37.50	103-15.61	4.11	1.80	4	133	2.7	0.00			C	KMT IPD	APH
	5	11	1	15.41	31-34.13	103-17.64	7.67	0.29	4	290	6.0	0.00			C	KMT IPD	API
	5	13	1	19.27	31-36.76	103-16.00	6.64	0.46	4	203	2.4	0.00			C	KMT IPD	APJ
	5	14	19	55.89	31-30.41	104-25.54	8.96	****	9	3351	08.0	0.16	44.6	8.1	D	KTX EP	APK
	5	17	42	18.96	31-38.12	103-13.85	0.23	0.50	4	247	5.7	0.02			C	KMT IPD	APL
	5	18	36					0.22								KMT IPD	
	6	10	11	33.27	31-37.31	103-16.01	4.31	0.51	6	125	2.1	0.03	0.3	0.4	B	KMT IPD	APM

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Table 5.--Location summary for February 1978--Continued.

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE	
FEB	6	13	17	17.85	31-37.10	103-17.43	5.00*	0.40	3	334	0.5	0.02			C	KMT IPD	APN
	6	17	18	17.60	31-36.35	103-17.43	6.15	0.41	4	348	1.9	0.03			C	KMT IPD	APD
	7	14	14	16.37	31-37.38	103-15.45	4.24	0.49	7	133	3.0	0.03	0.3	0.3	H	KMT IPD	APP
	7	22	5	49.70	31-37.53	103-15.68	4.11	0.55	8	133	2.6	0.05	0.2	0.1	H	KMT IPD	APQ
	8	5	28	36.84	31-37.31	103-15.57	4.45	0.51	6	130	2.8	0.06	0.7	0.7	R	KMT IPD	APR
	8	12	3	55.54	31-36.92	103-15.82	5.67	0.43	5	119	2.5	0.05	0.8	1.5	C	KMT IPD	APS
	9	8	20	24.20	31-37.35	103-15.57	4.01	0.61	6	131	2.8	0.06	0.5	0.3	R	KMT IPD	APT
	10	1	45	1.80	31-37.93	103-16.37	5.00*	0.39	3	131	1.8	0.00			C	KMT IPD	APU
	10	2	23	20.73	31-38.26	103-15.54	4.20	1.33	5	93	3.3	0.17	2.6	4.7	D	KMT IPD	APV
	10	2	28	44.44	31-37.51	103-16.00	3.90	0.83	5	129	2.1	0.11	1.5	0.8	C	KMT IPD	APW
	10	3	26	44.04	31-37.50	103-16.51	6.88	0.35	4	276	1.3	0.04			C	KMT IPD	APX
	10	5	44	44.10	31-38.10	103-15.88	4.11	0.60	5	141	2.7	0.03	0.4	0.2	C	KMT IPD	APY
	10	8	0	18.78	31-36.50	103-17.43	6.09	0.35	4	347	1.6	0.02			C	KMT EP	APZ
	10	14	2	29.89	31-38.02	103-15.85	4.20	2.01	4	140	2.6	0.01			C	KMT IPD	AQA
	11	8	5	32.77	31-36.65	103-17.53	5.00*	0.36	3	339	1.4	0.02			C	KMT IPD	AQB
	11	10	0	39.02	31-37.10	103-15.79	3.88	0.33	5	123	2.5	0.03	0.5	0.3	C	KMT EP	AQC
	11	10	42	0.27	31-37.92	103-15.92	4.18	1.63	4	137	2.5	0.00			C	KMT IP	AQD
	11	12	33	40.96	31-36.84	103-17.04	5.00*	0.30	3	346	1.1	0.01			C	KMT IPD	AQE
	11	14	30	28.76	31-38.03	103-16.10	4.03	0.69	5	137	2.3	0.04	0.6	0.4	C	KMT IPD	AQF
	11	16	4	49.20	31-38.24	103-16.08	4.23	0.44	6	141	2.6	0.03	0.3	0.5	R	KMT IPD	AQG
	11	16	28	39.30	31-36.98	103-16.79	5.00*	0.42	3	212	1.1	0.01			C	KMT IPD	AQH
	11	18	3	56.55	31-37.20	103-17.43	5.00*	0.55	3	323	0.3	0.03			C	KMT IPD	AQI
	12	2	25	31.12	31-37.15	103-16.01	4.02	0.73	5	122	2.1	0.04	0.6	0.3	C	KMT IPD	AQJ
	12	4	42				0.22									KT7 EP	
	12	7	33	43.94	31-36.91	103-17.66	6.19	0.50	4	322	1.0	0.01			C	KMT IPD	AQK
	12	10	39				0.22									KMT IPD	
	13	3	28	46.10	31-37.82	103-16.17	4.93	1.41	4	132	2.0	0.00			C	KMT IPD	AQL
	13	23	48	33.78	31-37.57	103-16.89	5.00*	0.49	3	198	0.8	0.09			C	KMT IPD	AQM
	14	2	12	33.34	31-37.32	103-15.87	4.49	0.36	4	127	2.3	0.00			C	KMT IPD	AQN
	16	1	31				****									KM9 EP	
	16	7	38	19.85	31-37.32	103-15.26	3.92	0.55	5	134	3.3	0.08	1.1	0.6	C	KMT IPD	AQO
	16	22	53	2.77	31-37.88	103-15.64	3.64	0.59	6	140	2.8	0.05	0.4	1.0	B	KMT IPD	AQP
	17	13	46	45.70	31-37.05	103-15.30	4.92	0.55	6	127	3.3	0.03	0.3	0.4	R	KMT IPD	AQQ
	18	0	46	48.71	31-58.24	103-19.54	5.00*	1.16	3	215	10.9	0.00			C	KT1 IPU	AQR
	18	14	22	34.01	31- 1.32	104-34.86	4.23	****	9	3401	35.3	0.45	194.9	40.7	D	KTX EP	AQS
	18	17	30				****									KT7 EP	
	18	22	8				****									KT7 EP	
	19	12	12				****									KT7 EP	
	19	14	27	20.67	31-36.86	103-16.08	6.09	0.31	5	198	2.2	0.03	0.5	0.8	C	KMT IPD	AQT
	19	18	15				****									KM9 EP	
	19	18	17				****									KM9 EP	
	19	19	29	8.01	31-49.78	102-44.80	0.0	****	4	262	13.8	0.17			C	KM9 EP	AQU
	21	1	2	18.82	31-37.62	103-15.94	3.77	0.61	6	131	2.2	0.08	0.8	0.6	B	KMT IPD	AQV
	23	14	24	4.56	31-36.29	103-17.43	7.54	0.18	4	348	2.0	0.04			C	KMT IPD	AQW
	23	15	25				0.08									KMT IPD	
	26	1	56	16.77	31-37.32	103-17.43	5.00*	0.17	3	287	0.2	0.09			C	KMT IP	AQX
	27	7	1	53.12	31-37.48	103-16.31	6.47	0.24	4	281	1.6	0.06			C	KMT IPD	AQY
	28	17	31	44.43	31-50.05	102-43.02	0.02	****	4	274	16.3	0.17			C	KM9 EP	AQZ
	28	21	40	25.85	31-35.34	103-20.41	5.00*	0.47	3	321	6.1	0.00			C	KMT IP	ARA

Table 6.--Phase list for events in February 1978.

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 02 01	KMT	IPD	0006 09.8	10.7	4.0
78 02 01	KT7	EP	0006 10.8	12.3	3.5
		1			
78 02 01	KMT	EP	0009 56.55		4.5
78 02 01	KT7	EP	0009 57.65	59.0	4.5
		1			
78 02 01	KMT	IP	0039 43.8		12.0
78 02 01	KIE	IPD	0039 44.55		11.5
78 02 01	KT7	IPU	0039 44.85	46.4	11.5
78 02 01	KTX	IPU	0039 45.3		11.0
78 02 01	KT4	EP 2	0039 48.7		
		1			
78 02 01	KMT	IPD	0101 10.55		7.0
78 02 01	KIE	IPD	0101 11.15		6.5
78 02 01	KT7	IPD	0101 11.7	13.5	7.0
78 02 01	KTX	IPU	0101 11.75	13.6	7.0
		1			
78 02 01	KMT	IPD	0234 52.8		4.5
78 02 01	KT7	EP	0234 53.9	55.5	4.5
		1			
78 02 01	KMT	IPD	0538 09.25		5.0
78 02 01	KIE	EP	0538 09.95		4.5
78 02 01	KT7	IPD	0538 10.6	12.3	5.0
78 02 01	KTX	IPD	0538 10.65	12.4	5.0
		1			
78 02 01	KMT	IPD	0633 04.6	05.6	5.0
78 02 01	KT7	IPU	0633 05.7	07.5	4.5
		1			
78 02 01	KMT	IPD	0928 05.8		4.5
78 02 01	KMT	IPD	1143 25.0		4.5
78 02 01	KMT	IPD	1347 19.5		5.0
78 02 01	KMT	IPD	1500 40.2		5.0
78 02 01	KTX	EPD	1500 41.6		4.5
78 02 01	KMT	IPD	1706 23.25		4.0
78 02 01	KTX	IPU	1706 24.65		4.0
78 02 01	KMT	IP	1744 27.45		5.0
78 02 01	KTX	IPU	1744 29.00		5.0
78 02 01	KMT	IPD	1839 29.2		5.5
78 02 01	KMT	IPD	2158 12.9		4.5
78 02 01	KIE	EPD	2158 13.6		4.5
78 02 01	KT7	EP	2158 14.0	15.6	5.0
78 02 01	KTX	IPU	2158 14.5		4.5
		1			
78 02 01	KMT	IPD	2225 11.2		6.0
78 02 01	KIE	IPD	2225 11.8	13.1	5.0
78 02 01	KT7	IPU	2225 12.4	14.2	6.0

Table 6.--Phase list for events in February 1978--Continued.

78 02 01	KTX	EP	2225 12.6		5.5
			1		
78 02 01	KMT	IPD	2322 05.55	6.3	5.5
78 02 01	KIE	EP	2322 06.1	07.3	5.0
78 02 01	KTX	IPU	2322 06.8	8.5	5.5
78 02 01	KT7	EP	2322 06.8	8.6	6.0
			1		
78 02 02	KMT	IP	0013 35.9		5.5
78 02 02	KIE	EP	0013 36.55		4.5
78 02 02	KT7	EP	0013 37.0	38.6	5.5
78 02 02	KTX	IPD	0013 37.35		4.5
			1		
78 02 02	KMT	IPD	0104 15.3	16.3	4.5
78 02 02	KIE	EP	0104 15.9	17.3	4.0
78 02 02	KT7	IPU	0104 16.25	17.8	5.0
78 02 02	KTX	EP	0104 16.7	18.5	5.0
			1		
78 02 02	KMT	IPD	0119 07.2		4.5
78 02 02	KIE	EP	0119 07.9		4.0
78 02 02	KT7	EP	0119 08.5	10.3	4.5
			1		
78 02 02	KMT	IPD	0140 33.95	35.0	4.5
78 02 02	KIE	EP	0140 34.5	35.9	4.5
78 02 02	KT7	EP	0140 35.1	37.0	4.5
78 02 02	KTX	IPU	0140 35.2	37.1	4.5
			1		
78 02 02	KMT	IPD	0154 26.5		4.5
78 02 02	KIE	EP	0154 27.25		4.0
78 02 02	KT7	EP	0154 27.6	29.2	4.0
78 02 02	KTX	EP	0154 28.0		4.0
			1		
78 02 02	KMT	IPD	0214 28.3		4.5
78 02 02	KT7	IPU	0214 29.4		4.5
			1		
78 02 02	K49	EP	0229 39.1		
78 02 02	KT7	EP	0229 45.7		
78 02 02	KMT	IPD	0258 06.05		7.0
78 02 02	KIE	EP	0258 06.7		7.0
78 02 02	KT7	EP	0258 07.15		6.5
78 02 02	KTX	EP	0258 07.5		7.0
78 02 02	KMT	IPD	0836 03.7		5.0
78 02 02	KIE	EP	0836 04.4		5.0
78 02 02	KT7	EP	0836 05.0		5.0
78 02 02	KMT	IPD	0851 46.1		
78 02 02	KIE	IPD	0851 46.55		4.5
78 02 02	KT7	IPU	0851 47.25		5.0
78 02 02	KTX	IPU	0851 47.3		4.5
78 02 02	KMT	IPD	0952 37.85	38.9	4.5
78 02 02	KT7	EP	0952 38.9	40.7	4.5
			1		
78 02 02	KMT	IPD	1303 02.3		4.0
78 02 02	KT7	IPU	1303 03.45		4.5
78 02 02	KMT	IPD	2300 58.7		4.5
78 02 02	KIE	EP	2300 59.3		4.0
78 02 02	KT7	EP	2300 59.9	61.8	4.5
78 02 02	KTX	EP	2300 60.0		4.0

Table 6.--Phase list for events in February 1978--Continued.

1							
78 02 03	KMT	IPD	0145	49.15			4.0
78 02 03	KT7	EP	0145	50.2	52.0		4.5
1							
78 02 03	KMT	IPD	0158	07.9	08.7		7.0
78 02 03	KIE	EP	0158	08.55	09.8		5.5
78 02 03	KT7	EP	0158	09.1	11.0		6.5
78 02 03	KTX	IPU	0158	09.25			5.5
1							
78 02 03	KMT	IPD	0306	42.6			4.5
78 02 03	KIE	IPD	0306	42.95			4.5
78 02 03	KT7	EP	0306	43.8	45.4		4.5
78 02 03	KTX	EP	0306	44.1			4.5
1							
78 02 03	KMT	IPD	0442	53.95			4.5
78 02 03	KT7	IPU	0442	54.95	56.5		5.0
1							
78 02 03	KMT	IPD	0834	48.0			10.0
78 02 03	KIE	IPD	0834	48.35			9.5
78 02 03	KT7	IPU	0834	49.1			10.0
78 02 03	KTX	IPU	0834	49.3			9.5
1							
78 02 03	KMT	IPD	0930	48.2			8.0
78 02 03	KIE	EP	0930	48.85			7.5
78 02 03	KT7	IPU	0930	49.3	50.6		8.0
1							
78 02 03	KMT	IPD	1044	39.7			7.0
78 02 03	KIE	EP	1044	40.3			6.0
78 02 03	KT7	IPU	1044	40.85	42.5		7.0
78 02 03	KTX	IPU	1044	41.0			6.5
1							
78 02 03	KMT	IPD	1818	55.2			6.0
78 02 03	KIE	IPU	1818	55.85			5.5
78 02 03	KT7	IPU	1818	56.4	58.2		5.5
78 02 03	KTX	IPD	1818	56.5			5.5
1							
78 02 03	KMT	IPD	2057	28.25			5.5
78 02 03	KIE	EP	2057	28.95			5.0
78 02 03	KT7	IPD	2057	29.35			5.0
1							
78 02 04	KMT	IPD	1535	49.35			21.0
78 02 04	KIE	IPD	1535	49.95			20.0
78 02 04	KT7	IPD	1535	50.6			25.0
78 02 04	KTX	IP	1535	50.7			22.0
78 02 04	KT8	EP	1535	51.95			
78 02 04	KT4	EP 4	1535	54.9			
1							
78 02 05	KMT	IPD	0227	01.1	1.9		4.0
78 02 05	KIE	EP	0227	01.85			3.0
78 02 05	KT7	IPU	0227	02.4	04.2		4.0
78 02 05	KTX	EP	0227	02.5			3.5
1							
78 02 05	KMT	IPD	0600	24.9			4.5
78 02 05	KIE	IPD	0600	25.45			4.0
78 02 05	KT7	IP	0600	26.1	28.0		5.0
78 02 05	KTX	IPD	0600	26.1			4.0
1							
78 02 05	KMT	IP	0909	57.18			8.0
78 02 05	KIE	IPD	0909	57.68			8.0
78 02 05	KT7	IPD	0909	58.35	60.3		7.5
78 02 05	KTX	IPU	0909	58.4			7.5

Table 6.--Phase list for events in February 1978--Continued.

1					
78 02 05	KMT	IPD	1046	26.0	20.0
78 02 05	KIE	IP	1046	26.55	21.5
78 02 05	KT7	IPU	1046	27.20	21.0
78 02 05	KTX	IP	1046	27.28	21.5
1					
78 02 05	KMT	IPD	1101	17.2	4.0
78 02 05	KIE	EP	1101	17.75	3.0
78 02 05	KT7	EP	1101	18.55	21.0 4.0
1					
78 02 05	KMT	IPD	1301	20.6	5.0
78 02 05	KIE	IPD	1301	21.05	4.0
78 02 05	KT7	IPU	1301	21.7	23.6 4.5
1					
78 02 05	KTX	EP	1420	13.85	
78 02 05	KMT	EP	1420	14.1	
78 02 05	KT7	EP	1420	14.3	
78 02 05	KT4	EP	1420	15.0	
78 02 05	KT8	EP	1420	17.65	
78 02 05	KM5	EP	1420	18.55	
78 02 05	KM2	EP	1420	19.5	
78 02 05	KM9	EP	1420	20.55	
78 02 05	KM6	EP	1420	21.4	
1					
78 02 05	KMT	IPD	1742	20.1	4.5
78 02 05	KT7	IPU	1742	21.15	22.9 5.0
78 02 05	KTX	EP	1742	21.6	4.5
1					
78 02 05	KMT	IPD	1836	52.2	3.5
78 02 05	KT7	EP	1836	53.5	4.0
1					
78 02 06	KMT	IPD	1011	34.25	5.0
78 02 06	KIE	EPD	1011	34.9	4.5
78 02 06	KT7	EP	1011	35.5	37.1 5.0
78 02 06	KTX	EP	1011	35.5	37.1 4.5
1					
78 02 06	KMT	IPD	1317	18.85	4.0
78 02 06	KT7	EP	1317	20.0	21.7 4.5
1					
78 02 06	KMT	IPD	1718	18.85	19.7 4.0
78 02 06	KT7	EP	1718	20.00	21.9 4.5
1					
78 02 07	KMT	IPD	1414	17.4	18.2 4.5
78 02 07	KIE	EP	1414	17.9	4.5
78 02 07	KT7	IPU	1414	18.55	20.4 5.0
78 02 07	KTX	IPU	1414	18.6	20.4 4.5
1					
78 02 07	KMT	IPD	2205	50.65	51.5 5.5
78 02 07	KIE	EP	2205	51.25	52.5 4.5
78 02 07	KT7	IPU	2205	51.8	53.6 5.0
78 02 07	KTX	IPU	2205	51.95	53.8 5.0
1					
78 02 08	KMT	IPD	0528	37.8	38.7 5.0
78 02 08	KIE	EP	0528	38.4	4.5
78 02 08	KT7	EP	0528	39.0	40.9 5.0
78 02 08	KTX	IPU	0528	39.1	4.5
1					
78 02 08	KMT	IPD	1203	56.7	4.0
78 02 08	KIE	EP	1203	57.2	4.0
78 02 08	KTX	EP	1203	57.7	4.5
78 02 08	KT7	EP	1203	57.8	59.8 5.0

Table 6.--Phase list for events in February 1978--Continued.

1						
78 02 09	KMT	IPD	0820	25.15		5.5
78 02 09	KIE	IPD	0820	25.7		4.5
78 02 09	KTX	IPD	0820	26.4	28.3	6.0
78 02 09	KT7	IPU	0820	26.4	28.3	5.5
1						
78 02 10	KMT	IPD	0145	02.85		4.0
78 02 10	KIE	EP	0145	03.6		4.0
78 02 10	KT7	EP	0145	03.8		4.5
1						
78 02 10	KMT	IPD	0223	21.75		12.0
78 02 10	KIE	IPD	0223	22.5		13.0
78 02 10	KT7	IPD	0223	22.8		12.0
78 02 10	KTX	IPD	0223	23.2		12.0
78 02 10	KT8	EP 2	0223	23.3		
1						
78 02 10	KMT	IPD	0228	45.35		7.0
78 02 10	KIE	IPD	0228	46.1		7.0
78 02 10	KT7	EP	0228	46.4	48.4	7.0
78 02 10	KTX	IPU	0228	46.75		6.5
1						
78 02 10	KMT	IPD	0326	45.3	46.4	3.5
78 02 10	KT7	EP	0326	46.3	47.9	4.5
1						
78 02 10	KMT	IPD	0544	45.1		5.0
78 02 10	KIE	EP	0544	45.8		5.5
78 02 10	KT7	EP	0544	46.05	47.7	5.0
78 02 10	KTX	IPU	0544	46.55		5.5
1						
78 02 10	KMT	EP	0800	20.0	20.9	3.5
78 02 10	KT7	IPU	0800	21.15	23.0	4.5
1						
78 02 10	KMT	IPD	1402	30.9		27.0
78 02 10	KIE	IPD	1402	31.55		27.0
78 02 10	KT7	IPU	1402	31.9		27.5
78 02 10	KTX	IPD	1402	32.3		25.0
1						
78 02 11	KMT	IPD	0805	33.8		4.0
78 02 11	KT7	EP	0805	35.05	36.9	4.0
1						
78 02 11	KMT	EP	1000	39.95		4.0
78 02 11	KIE	EP	1000	40.55		4.0
78 02 11	KTX	IPU	1000	41.2		3.5
78 02 11	KT7	IPU	1000	41.4	43.1	4.0
1						
78 02 11	KMT	IP	1042	01.25		16.0
78 02 11	KIE	IPD	1042	01.95		16.0
78 02 11	KT7	IPU	1042	02.3		19.0
78 02 11	KTX	IPU	1042	02.65		18.0
1						
78 02 11	KMT	IPD	1233	41.95		3.5
78 02 11	KT7	EP	1233	43.25	45.0	4.0
1						
78 02 11	KMT	IPD	1430	29.7		6.0
78 02 11	KIE	IPU	1430	30.5		5.5
78 02 11	KT7	IPU	1430	30.7	32.4	6.5
78 02 11	KTX	IPU	1430	31.2		5.5
1						
78 02 11	KMT	IPD	1604	50.2		4.5
78 02 11	KIE	EP	1604	50.95		4.0
78 02 11	KT7	EP	1604	51.2	52.6	4.5

Table 6.--Phase list for events in February 1978--Continued.

78 02 11	KTX	EP	1604	51.65	53.6	4.5
			1			
78 00 11	KMT	IPD	1628	40.3		4.0
78 00 11	KIE	EP	1628	41.15		4.0
78 00 11	KT7	EP	1628	41.55		5.0
78 02 11	KMT	IPD	1803	57.55		5.0
78 02 11	KT7	IPU	1803	58.65	60.4	5.0
			1			
78 02 12	KMT	IPD	0225	32.05		6.0
78 02 12	KIE	IPU	0225	32.75		6.0
78 02 12	KT7	IPU	0225	33.3	35.2	6.0
78 02 12	KTX	IPU	0225	33.3		6.5
			1			
78 02 12	KT7	EP	0442	23.2		3.5
78 02 12	KMT	IPD	0733	45.15	46.0	4.5
78 02 12	KT7	IPU	0733	46.2	48.0	5.0
			1			
78 02 12	KMT	IPD	1039	34.0		3.5
78 02 13	KMT	IPD	0328	47.15		12.0
78 02 13	KIE	IPD	0328	47.85		13.0
78 02 13	KT7	IPD	0328	48.15		15.0
78 02 13	KTX	IPU	0328	48.45		13.5
78 02 13	KMT	IPD	2348	34.65		5.0
78 02 13	KT7	EP	2348	35.9		4.5
78 02 13	KTX	EP	2348	36.1		4.5
78 02 14	KMT	IPD	0212	34.35		4.0
78 02 14	KIE	EP	0212	34.95		3.5
78 02 14	KT7	EP	0212	35.55		4.5
78 02 14	KTX	EP	0212	35.55		4.0
78 02 16	KM9	EP	0131	05.9		
78 02 16	MOT	EP	0131	27.8		
78 02 16	KMT	IPD	0738	20.9		5.5
78 02 16	KIE	IPD	0738	21.3		4.5
78 02 16	KT7	IPU	0738	22.0	24.0	5.5
78 02 16	KTX	IPU	0738	22.15		4.5
			1			
78 02 16	KMT	IPD	2253	03.7		5.5
78 02 16	KIE	EP	2253	04.35		5.5
78 02 16	KT7	IPU	2253	04.8	06.5	5.5
78 02 16	KTX	IPD	2253	05.15	07.2	4.5
			1			
78 02 17	KMT	IPD	1346	46.8	47.8	5.0
78 02 17	KIE	IPD	1346	47.2		4.5
78 02 17	KTX	IPD	1346	47.9		4.5
78 02 17	KT7	IPU	1346	48.05	49.9	6.0
			1			
78 02 18	KT1	IPU	0046	51.05		7.5
78 02 18	KM2	IPU	0046	53.7		12.0
78 02 18	KT8	EP	0046	55.15		9.0
78 02 18	KTX	EP	1422	56.1		
78 02 18	KT7	EP	1422	58.6		
78 02 18	KT4	EP	1422	60.0		
78 02 18	KT8	EP	1422	60.5		

Table 6.--Phase list for events in February 1978--Continued.

78 02 18	KT1	EP	1422	61.35		
78 02 18	KM5	EP	1422	62.5		
78 02 18	KM2	EP	1422	63.3		
78 02 18	KM9	EP	1422	63.6		
78 02 18	KM6	EP	1422	65.2		
78 02 18	MOT	IP	1730	30.1		
78 02 18	KT7	EP	1730	46.2	76.5	
78 02 18	KT7	EP	2208	34.5		
78 02 19	MOT	IP	1212	21.6		
78 02 19	KT7	EP	1212	40.35	68.0	
78 02 19	KMT	IPD	1427	21.9		3.5
78 02 19	KIE	EP	1427	22.45	23.7	3.5
78 02 19	KT7	IPU	1427	23.0	24.9	4.5
			1			
78 02 19	KM9	EP	1815	44.6		
78 02 19	MOT	EP	1816	10.0	34.5	
78 02 19	KM9	EP	1817	53.9		
78 02 19	MOT	EP	1818	19.4	42.0	
78 02 19	KM9	EP	1929	10.75		
78 02 19	KM6	EP	1929	11.9		
78 02 19	KM5	EP	1929	13.45		
78 02 19	KM2	EP	1929	16.2		
78 02 21	KMT	IPD	0102	19.7		6.0
78 02 21	KIE	IPD	0102	20.45		5.5
78 02 21	KT7	IPD	0102	20.8	22.7	5.0
78 02 21	KTX	IPD	0102	21.15	23.0	5.0
			1			
78 02 23	KMT	IPD	1424	06.05	07.1	3.0
78 02 23	KT7	IPU	1424	07.05	09.1	3.5
			1			
78 02 23	KMT	IPD	1525	42.9		3.0
78 02 26	KMT	IP	0156	17.8		3.0
78 02 26	KT7	EP	0156	18.75	20.6	3.5
			1			
78 02 27	KMT	IPD	0701	54.3	55.4	3.5
78 02 27	KT7	EP	0701	55.4	57.0	3.5
			1			
78 02 28	KM9	EP	1731	47.6		
78 02 28	KM6	EP	1731	48.65		
78 02 28	KT8	EP	1731	51.8		
78 02 28	KT7	EP	1731	55.1		
78 02 28	KMT	IP	2140	27.4		4.5
78 02 28	KT7	EP	2140	28.6	30.7	4.5
			1			

FIGURE 10 FEBRUARY 1978 LOCATIONS

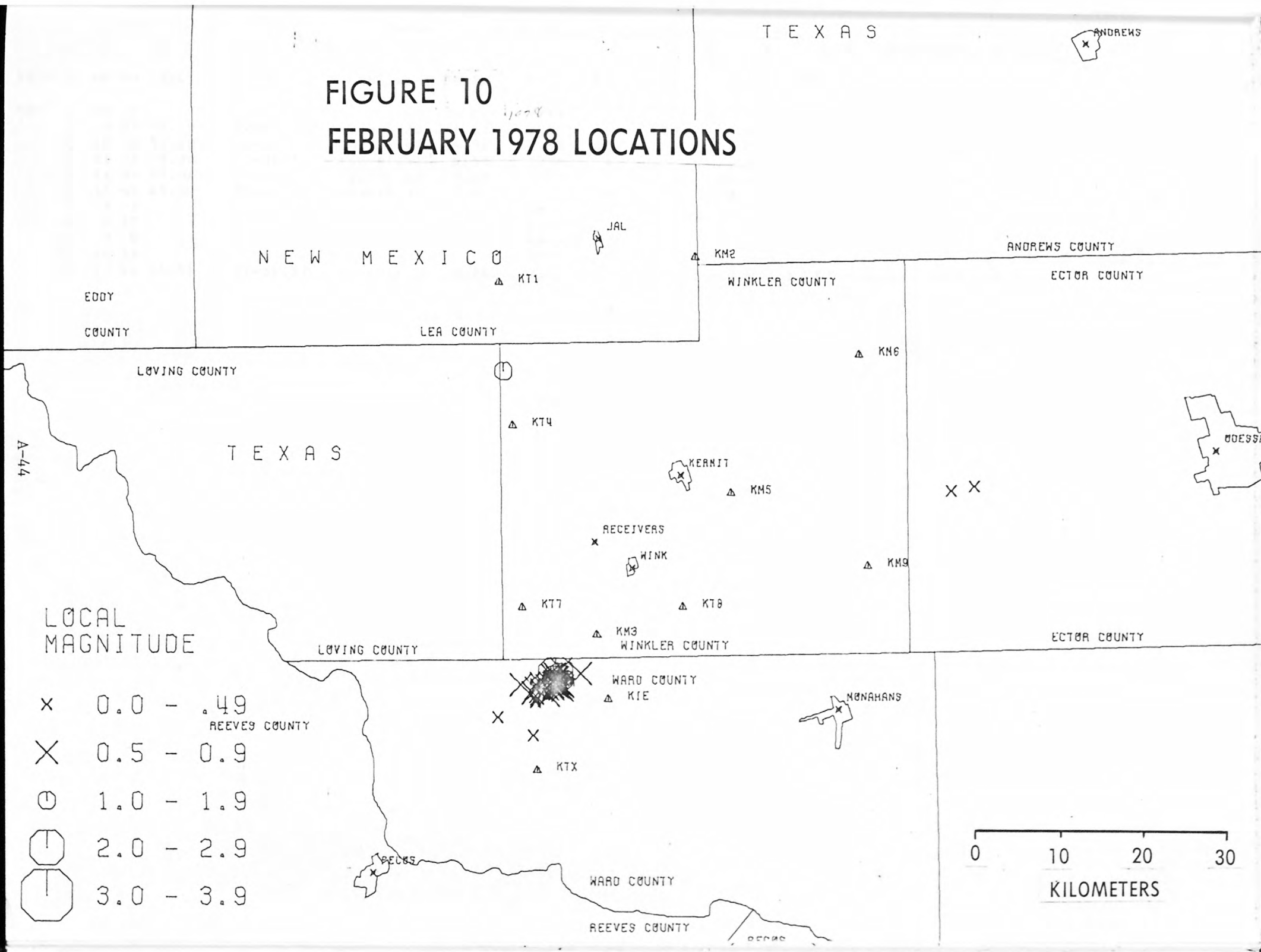


Table 7.--Location summary for March 1978.

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAR	1	12	5				****								KT7 EP	
	2	8	57	32-10.66	103- 4.21	1.67	1.97	6	280	9.0	0.09	4.6	2.0	D	KM2 EP	ARC
	2	10	4	31-34.55	102-33.41	4.59	3.58	10	299	34.2	0.11	5.7	140.8	D	KM9 IPD	ARD
	2	11	27	31-36.56	102-41.51	0.56	1.98	4	306	21.8	0.15			C	KM9 EP	ARE
	2	11	55	31-35.24	102-36.40	0.29	2.57	5	293	29.6	0.10	9.0	222.6	D	KM9 EP	ARF
	3	14	45	31-37.01	103-15.04	4.01	0.36	4	129	3.7	0.00			C	KMT IPD	ARG
	7	3	1				****								KT4 EP	
	8	5	27				0.09								KMT IPU	
	14	3	0				****								KM9 EP	
	16	19	34				****								KM9 EP	
	19	10	48	31-31.37	102-31.51	0.76	2.08	9	303	40.1	0.27	15.6	18.7	D	KM9 EP	ARH

Table 8.--Phase list for events in March 1978.

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 03 01	KT7	EP	1205		
78 03 02	KM2	EP	0857 53.2		26.0
78 03 02	KM6	EP	0857 56.8		23.0
78 03 02	KT4	EP	0857 58.15		
78 03 02	KM5	EP	0857 58.2		
78 03 02	KM9	EP	0857 60.6		
78 03 02	KT7	EP	0857 61.4		
78 03 02	KM9	IPD	1004 59.65		
78 03 02	KM5	IPD	1004 62.7		
78 03 02	KT8	IPD	1004 62.9		
78 03 02	KM6	IPD	1004 63.0		
78 03 02	KIE	IPD	1004 64.0		
78 03 02	CTX	IPD	1004 65.5		
78 03 02	KMT	IPD	1004 65.55		
78 03 02	KT7	IPD	1004 66.2		125.0
78 03 02	KM2	EP	1004 66.4		
78 03 02	KT4	IPD	1004 67.6		
78 03 02	KM9	EP	1127 13.6		
78 03 02	CTX	EP	1127 19.6		
78 03 02	KT7	EP	1127 20.0		21.0
78 03 02	KT4	EP	1127 21.55		
78 03 02	KM9	EP	1156 02.8		
78 03 02	KT8	EP	1156 05.9		
78 03 02	KM6	EP	1156 06.25		
78 03 02	CTX	EP	1156 08.6		
78 03 02	KT7	EP	1156 09.3		40.0
78 03 03	KMT	IPD	1445 30.4		4.0
78 03 03	KIE	IPD	1445 30.65		4.0
78 03 03	CTX	IPU	1445 31.5		4.0
78 03 03	KT7	IPU	1445 31.7		4.0
78 03 07	KT4	EP	0301 12.35		
78 03 08	KMT	IPU	0527 34.5	35.4	3.0
78 03 14	KM9	EP	0300 48.9		
78 03 16	KM9	EP	1934 57.9	80.6	
78 03 19	KM9	EP	1048 55.9		
78 03 19	KM5	EP	1048 59.1		
78 03 19	KT8	EP	1048 59.1		
78 03 19	KM6	EP	1048 59.3	67.6	
78 03 19	CTX	EP	1048 60.2		
78 03 19	KT7	IPD	1048 62.35		22.0
78 03 19	KT4	EP	1048 63.8		

FIGURE 11
MARCH 1978 LOCATIONS

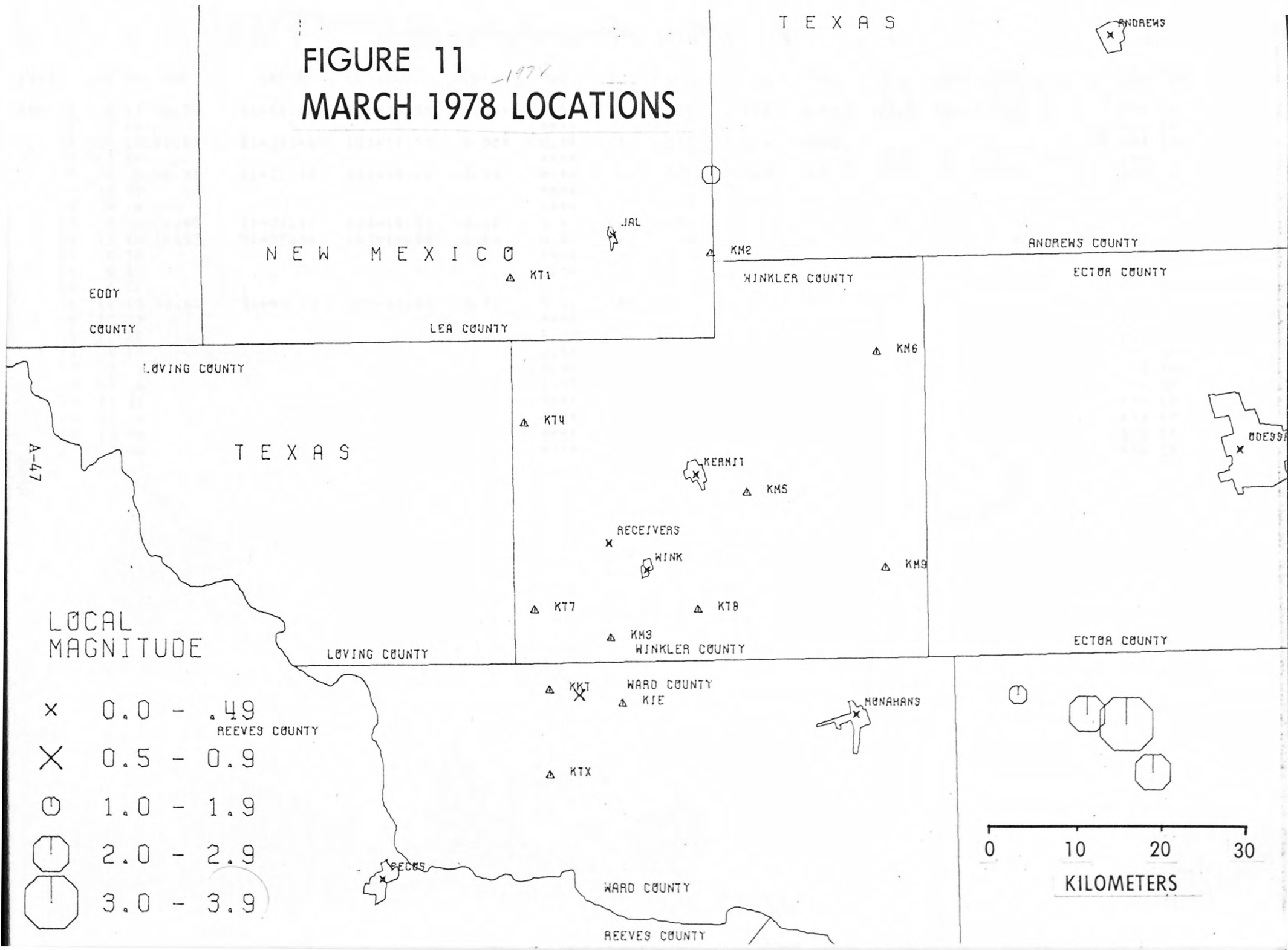


Table 9.--Location summary for April 1978.

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	EPZ	Q	NEAR-STA	ID CODE
APR	7	0	57	31-46.56	106-29.55	5.00*	3.58	8	207	1.2	2.59	613.9	166.3	D	KT4 EP	ARI
	7	7	56				****								KT4 EP	
	7	19	19	31-37.46	103-17.59	5.00*	0.35	3	238	0.4	0.01			C	KMT IPD	ARJ
	8	17	25				****								KM9 EP	
	9	1	9	31-22.38	102-47.14	47.99	****	4	313	42.1	0.71			D	KM9 EP	ARK
	9	8	57				****								KM9 EP	
	9	9	18				****								KTX EP	
	12	5	6	31-37.12	103-15.95	3.42	0.46	11	96	2.2	0.08	0.3	0.7	B	KMT IPD	ARL
	13	22	18	31-37.31	103-16.52	5.64	0.32	6	156	1.3	0.07	2.8	4.2	C	KMT IPD	ARM
	14	0	30				****								KM9 IPU	
	15	0	15				0.08								KMT IPD	
	15	4	12				0.22								KMT IPD	
	15	17	15	31-40.76	103-13.86	9.74	0.35	4	200	2.1	0.00			C	KM3 IPD	ARN
	15	17	23				****								KM9 EP	
	15	21	28				-0.07								KMT IPD	
	18	8	14				0.99								KM2 IPU	
	18	9	9				0.88								KM2 IPU	
	19	11	0				1.29								KM6 EP	
	20	22	31				****								KT4 EP	
	26	21	6				****								KTX EP	
	28	10	46				****								KM9 EP	
	29	2	46				****								KM6 EP	

Table 10.--Phase list for events in April 1978.

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 04 07	KT4	EP	0058 21.6	52.9	
78 04 07	EPT	IP	0057 48.6	04.7	
78 04 07	KT1	EP	0058 20.75	52.5	50.0
78 04 07	KM9	EP	0058 22.6	54.0	
		1			
78 04 07	KT4	EP	0756 58.5		
78 04 07	KMT	IPD	1919 52.6	53.4	4.0
78 04 07	KT7	EP	1919 53.7		4.0
		1			
78 04 08	KM9	EP	1725 26.3		
78 04 09	KM9	EP	0110 06.05		
78 04 09	KT7	EP	0110 07.1		
78 04 09	KM6	EP	0110 07.8		
78 04 09	KT4	EP	0110 10.7		
78 04 09	KM9	EP	0857 27.0		
78 04 09	KTX	EP	0918 50.85		
78 04 12	KMT	IPD	0506 07.45		5.0
78 04 12	MEQ3	EP	0506 07.39		
78 04 12	MEQ1	IPD	0506 07.62	08.7	
78 04 12	MEQ2	IPD	0506 07.8	09.0	
78 04 12	KIE	IPU	0506 07.98	09.2	4.5
78 04 12	KTX	IPU	0506 08.6	10.2	4.0
78 04 12	KT7	IPD	0506 08.85		4.5
		1			
78 04 13	KMT	IPD	2218 19.3		4.0
78 04 13	MEQ3	IPU	2218 19.43		
78 04 13	MEQ2	IPD	2218 19.5		
78 04 13	MEQ1	IPD	2218 19.69		
78 04 13	KM3	EP	2218 20.1		3.5
78 04 13	KT7	IPU	2218 20.4		4.0
78 04 14	KM9	IPU	0030 24.0	58.8	
78 04 15	KMT	IPD	0015 59.6		3.0
78 04 15	KMT	IPD	0412 25.45		3.5
78 04 15	KM3	EP	0412 26.15		3.5
78 04 15	KM3	IPD	1715 44.4	45.8	4.0
78 04 15	KT7	IPD	1715 44.85	46.6	4.0
		1			
78 04 15	KM9	EP	1723 08.8		
78 04 15	KMT	IPD	2128 37.05		2.5
78 04 18	KM2	IPU	0814 30.3		8.5
78 04 18	KM2	IPU	0909 06.2		7.5

Table 10.--Phase list for events in April 1978--Continued.

78 04 19	KM6	EP	1100 39.15	12.0
78 04 20	KT4	EP	2231 10.1	
78 04 26	KTX	EP	2106 19.0	
78 04 28	KM9	EP	1046 20.5	
78 04 29	KM6	EP	0246 20.4	

FIGURE 12
APRIL 1978 LOCATIONS

FIGURE 12
APRIL 1978 LOCATIONS

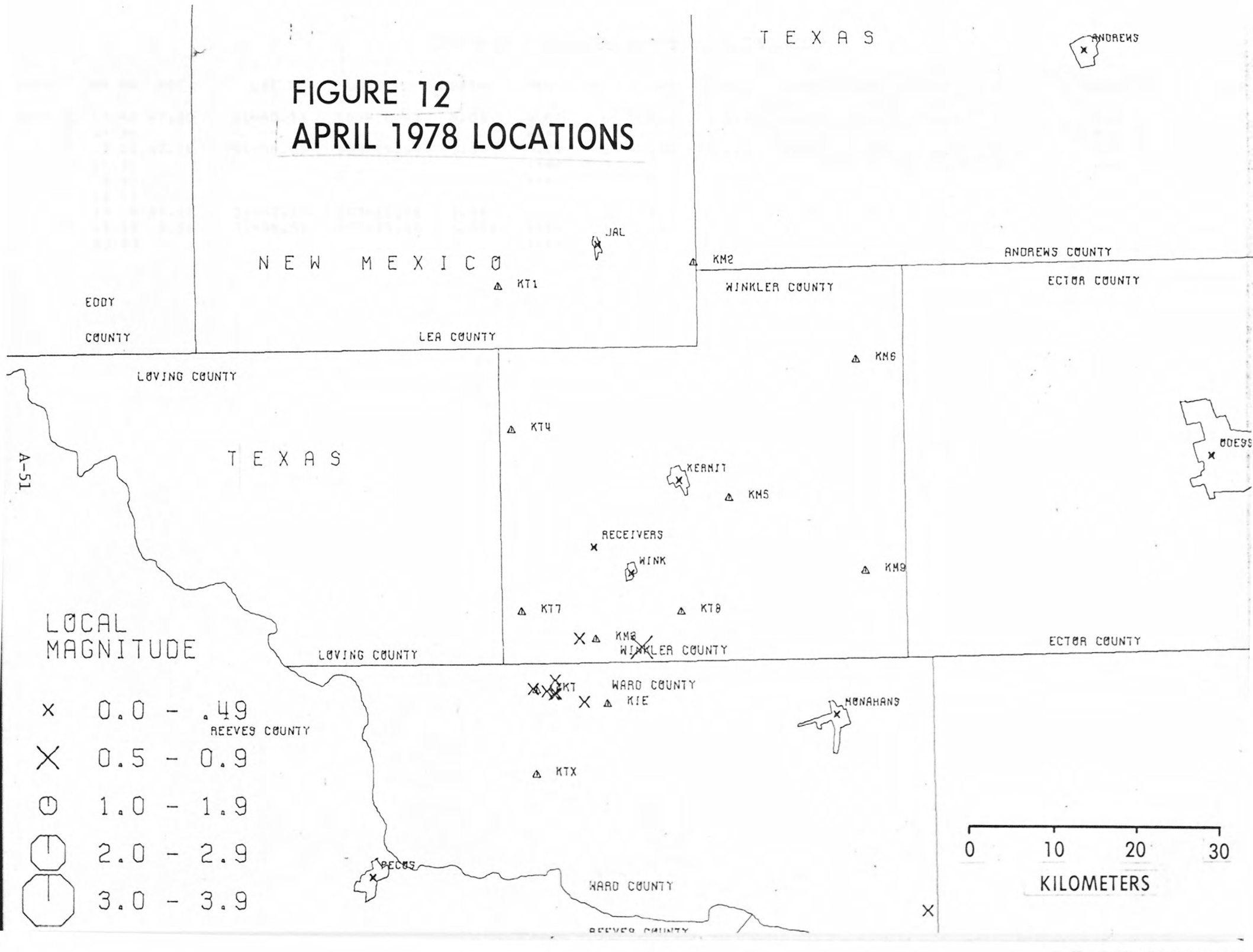


Table 11.--Location summary for May 1978.

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NC	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE	
MAY	3	18	42	47.30	31-40.13	103- 8.97	3.06	0.62	6	163	5.7	0.07	0.7	0.5	B	KM3 IP	ARO
	3	23	36					****								KTX FP	
	4	5	11	47.10	31-38.02	103-15.84	3.64	0.24	6	196	2.7	0.02	0.2	0.3	C	KMT IPD	ARP
	4	11	34					****								KM9 EP	
	5	5	40					****								KT1 EP	
	5	13	3					****								KM9 FP	
	7	15	9	25.58	31-37.13	103-15.76	3.98	0.24	6	124	2.5	0.05	0.4	0.2	B	KMT IPD	ARQ
	20	13	19	5.56	31-36.58	103-13.59	5.00*	****	3	188	3.0	0.00			C	KM3 EP	ARR
	23	20	59					****								KTX EP	

Table 12.--Phase list for events in May 1978.

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 05 03	KM3	IP	1842 48.6		6.0
78 05 03	KT8	IPD	1842 48.75		6.0
78 05 03	KIE	EP	1842 49.1		4.0
78 05 03	KMT	EP	1842 50.15		5.0
78 05 03	KT7	IPD	1842 50.45	53.1	6.0
			1		
78 05 03	KTX	EP	2336 40.9		
78 05 04	KMT	IPD	0511 48.05	48.7	3.5
78 05 04	KM3	IPD	0511 48.7	50.0	3.5
78 05 04	KT7	EP	0511 49.1	50.7	3.5
			1		
78 05 04	KM9	EP	1134 34.0		
78 05 05	KT1	EP	0540 36.1		
78 05 05	KM9	EP	1303 41.05		
78 05 07	KMT	IPD	1509 26.55		3.5
78 05 07	KIE	EP	1509 27.15		3.5
78 05 07	KTX	EP	1509 27.68	29.5	3.5
78 05 07	KT7	IPU	1509 27.85	29.7	3.5
			1		
78 05 20	KM3	EP	1319 07.35		
78 05 20	KIE	EP	1319 06.7		
78 05 20	KMT	EP	1319 07.1		
78 05 23	KTX	EP	2059 43.5		
78 05 23	KM3	EP	2059 46.2		

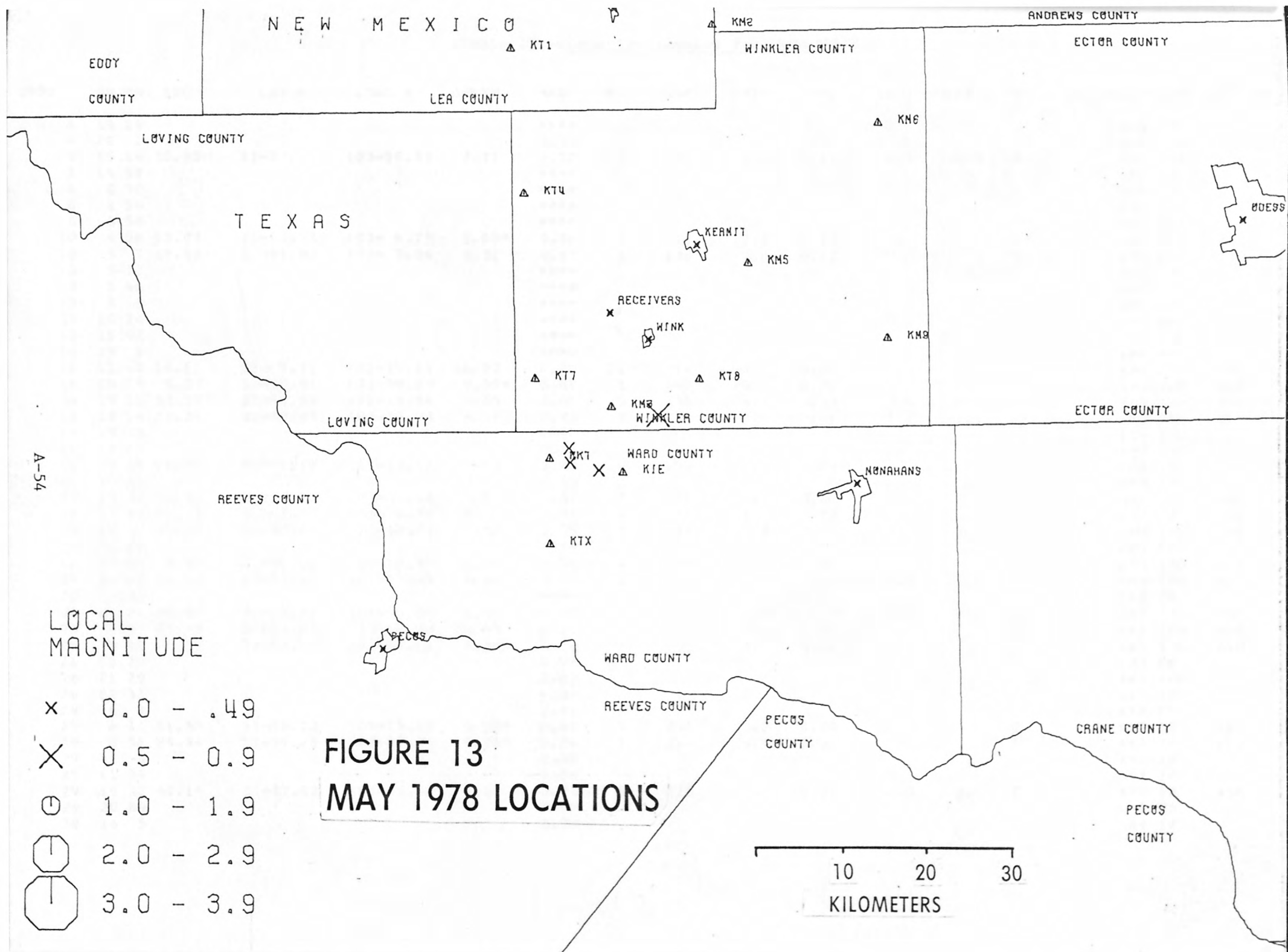


Table 13.--Location summary for June 1978.

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUN	4	18	24				****								KM5 EP	
	4	20	1				0.53								KM3 IPU	
	5	15	14	31-37.18	103-15.37	2.71	0.52	8	94	3.1	0.11	0.5	0.9	B	KKT IPD	ARS
	5	14	59				****								KM5 IPD	
	6	0	30				****								KM9 IPU	
	6	1	54				****								KM9 IPU	
	6	6	54				****								KM9 IPU	
	10	4	58	31-53.33	103- 4.75	5.00*	0.86	3	217	7.8	0.17			C	KM5 IPU	ART
	10	5	7	31-53.92	103- 3.04	3.31	0.83	4	188	7.6	0.12			C	KM5 IPU	ARU
	10	5	17				****								KM5 IPU	
	13	3	46				****								KM9 EP	
	13	8	9				****								KM9 EP	
	13	10	24				****								KM5 EP	
	13	15	42				****								KM5 IPD	
	14	19	5				****								KM9 EP	
	16	11	47	32- 9.11	102-19.11	46.07	4.80	11	324	54.7	0.07	13.5	6.1	D	KM6 EP	ARV
	16	19	15	31-30.01	102-59.89	5.00*	0.61	3	342	28.1	0.26			C	KM3 IPD	ARW
	16	19	15	31-40.58	103-14.54	5.05	0.68	5	146	3.1	0.02	0.4	0.8	C	KM3 IPD	ARX
	16	19	16	31-40.87	103-13.93	6.36	0.97	5	166	2.2	0.04	1.2	1.9	C	KM3 IPD	ARY
	16	19	18				****								KM9 IPU	
	16	19	20				0.08								KM3 IPD	
	16	19	24	31-41.10	103-15.52	0.53	0.61	4	159	4.8	0.03			C	KM3 IPD	ARZ
	16	19	33				1.59								KM3 IP	
	16	19	32	31-40.53	103-14.45	5.96	1.57	7	91	3.0	0.04	0.3	0.5	B	KM3 EP	ASA
	16	19	43	31-40.71	103-14.71	5.77	0.92	4	151	3.4	0.00			C	KM3 IP	ASB
	16	20	24	31-40.67	103-13.71	7.52	0.55	5	155	1.8	0.01	0.1	0.2	C	KM3 IPU	ASC
	16	20	28				****								KM3 EP	
	16	20	40	31-41.04	103-13.75	6.72	0.56	4	179	2.0	0.00			C	KM3 IPD	ASD
	16	20	42	31-40.87	103-13.83	9.05	0.62	6	167	2.1	0.07	0.9	1.5	B	KM3 IPD	ASE
	20	2	13				****								KM2 EP	
	20	23	31	31-37.51	103-15.07	4.04	0.52	8	88	3.6	0.10	0.6	0H4	A	KKT IP	ASF
	24	8	57	31-33.22	103-17.39	14.69	0.26	4	326	7.6	0.00			C	KKT IPU	ASG
	26	9	32	31-38.01	103-15.44	5.00*	0.28	3	205	3.2	0.10			C	KKT IPD	ASH
	26	13	28				0.08								KM3 EP	
	26	21	25				0.08								KKT IPD	
	26	22	53				-0.07								KKT IPD	
	28	4	3				2.69								KTX EP	
	29	6	12	31-39.12	103-17.43	5.00*	0.46	3	252	3.2	0.00			C	KKT IP	ASI
	29	6	56	31-39.28	103-17.79	5.00*	0.24	3	264	3.6	0.02			C	KKT IP	ASJ
	29	11	8				0.08								KKT IP	
	29	11	59				0.09								KKT IP	
	29	18	32	31-37.52	103-15.82	8.17	0.71	5	221	2.4	0.00	0.0	0.1	C	KKT IP	ASK
	29	20	59				****								KM9 EP	
	30	16	5				0.08								KKT IP	

Table 14.--Phase list for events in June 1978.

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 06 04	KM5	EP	1824 45.95		
78 06 04	KM3	IPU	2001 55.45	56.9	5.0
78 06 05	KKT	IPD	1514 31.3	31.8	5.0
78 06 05	KIE	IPU	1514 31.85	32.6	5.0
78 06 05	KM3	IPU	1514 32.1	33.2	5.0
78 06 05	KTX	EP	1514 32.4		4.0
78 06 05	KT7	IPU	1514 32.55		5.0
			1		
78 06 05	KM5	IPD	1459 30.1		
78 06 06	KM9	IPU	0030 54.45		
78 06 06	KM9	IPU	0154 32.9		
78 06 06	KM9	IPU	0654 48.85		
78 06 10	KM5	IPU	0458 55.1	56.1	8.0
78 06 10	KM2	EP	0458 57.2		6.0
			1		
78 06 10	KM5	IPU	0507 15.7	16.7	8.0
78 06 10	KM2	EP	0507 17.9		6.0
78 06 10	KM9	EP	0507 18.5		6.0
			1		
78 06 10	KM5	IPU	0517 29.35		
78 06 13	KM9	EP	0346 45.15		
78 06 13	KM9	EP	0809 23.2		
78 06 13	KM5	EP	1024 43.65		
78 06 13	KM5	IPD	1542 38.55		
78 06 14	KM9	EP	1905 51.2		
78 06 16	KM6	EP	1147 29.5		550.0
78 06 16	KM9	EP	1147 31.25		
78 06 16	KM5	EP	1147 32.2		
78 06 16	KT8	EP	1147 33.95		
78 06 16	KT1	EP	1147 34.85		
78 06 16	KM3	EP	1147 35.2		
78 06 16	KT4	EP	1147 35.2		
78 06 16	KIE	EP	1147 35.7		
78 06 16	KT7	EP	1147 36.15		
78 06 16	KKT	EP	1147 36.5		
78 06 16	KTX	EP	1147 37.3		
78 06 16	ALQ	EP	1148 12.95		
78 06 16	KM3	IPD	1915 10.1		5.0
78 06 16	KKT	IPU	1915 10.6		5.0
78 06 16	KT7	EP	1915 12.2		4.5

Table 14.--Phase list for events in June 1978--Continued.

78 06 16	KM3	IPD	1915	53.7		6.0
78 06 16	KT7	EP	1915	54.2	55.5	6.0
78 06 16	KKT	IP	1915	54.25		5.0
78 06 16	KTX	IPD	1915	55.8		6.0
			1			
78 06 16	KM3	IPD	1916	51.65		12.0
78 06 16	KT7	IP	1916	52.2		8.5
78 06 16	KKT	IPU	1916	52.3		6.0
78 06 16	KIE	IPU	1916	52.35		9.0
78 06 16	KTX	IPD	1916	53.8		6.0
78 06 16	KM9	IPU	1918	47.35		
78 06 16	KM3	IPD	1920	22.65		3.0
78 06 16	KM3	IPD	1924	22.7		6.5
78 06 16	KT7	EP	1924	22.8		6.0
78 06 16	KKT	IPU	1924	23.3	24.4	4.0
			1			
78 06 16	KM3	IP	1933	02.2		17.0
78 06 16	KM3	EP	1932	44.8		16.0
78 06 16	KT7	EP	1932	45.3		16.0
78 06 16	KKT	EP	1932	45.35		16.0
78 06 16	KIE	EP	1932	45.45		16.0
78 06 16	KTX	EP	1932	46.8		16.0
78 06 16	KT8	EP	1932	46.4		16.0
78 06 16	KT4	EP	1932	48.4		
78 06 16	KM3	IP	1943	52.5		12.0
78 06 16	KKT	IPU	1943	53.0		6.0
78 06 16	KT7	IPU	1943	52.9		7.5
78 06 16	KTX	IPD	1943	54.5		6.0
78 06 16	KM3	IPU	2024	23.4		5.0
78 06 16	KT7	IPU	2024	24.0	25.6	5.0
78 06 16	KKT	IPU	2024	24.05	25.6	5.0
			1			
78 06 16	KM3	EP	2028	39.7		
78 06 16	KM3	IPD	2040	08.5		6.5
78 06 16	KT7	IPD	2040	09.1	10.6	4.0
78 06 16	KKT	IPD	2040	09.25		5.0
			1			
78 06 16	KM3	IPD	2042	54.0		4.5
78 06 16	KT7	IP	2042	54.5	56.3	5.5
78 06 16	KKT	IPU	2042	54.6	56.3	6.5
78 06 16	KIE	IPU	2042	54.8		
			1			
78 06 20	KM2	EP	0213	50.15		
78 06 20	KKT	IP	2331	21.6		5.0
78 06 20	KIE	IPD	2331	22.05		5.0
78 06 20	KM3	IPD	2331	22.2	23.5	5.0
78 06 20	KT7	IPD	2331	22.7	24.8	5.0
78 06 20	KTX	IPD	2331	22.8	24.8	4.0
			1			
78 06 24	KKT	IPU	0857	46.35	48.6	3.5
78 06 24	KM3	IPU	0857	47.2		3.0
78 06 24	KT7	IPU	0857	47.4		4.0

Table 14.--Phase list for events in June 1978--Continued.

					1			
78	06	26	KKT	IPD	0932	09.15		3.0
78	06	26	KM3	EP	0932	09.8	10.8	4.5
					1			
78	08	26	KM3	EP	1328	42.55		3.0
78	06	26	KKT	IPD	2125	47.35		3.0
78	06	26	KKT	IPD	2253	00.9		2.5
78	06	28	KTX	EP	0403	32.65		60.0
78	06	29	KKT	IP	0612	52.7		4.5
78	06	29	KM3	EP	0612	53.4	54.8	4.5
					1			
78	06	29	KKT	IP	0656	26.05		3.5
78	06	29	KM3	EP	0656	26.75	28.3	3.5
					1			
78	06	29	KKT	IP	1108	45.05		3.0
78	06	29	KKT	IP	1159	57.8		3.0
78	06	29	KKT	IP	1832	49.7		6.0
78	06	29	KM3	EP	1832	50.2	51.8	6.0
78	06	29	KT7	EP	1832	50.5	52.3	6.0
					1			
78	06	29	KM9	EP	2059	04.05		
78	06	30	KKT	IP	1605	07.7		3.0

