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A Seismicity and Seismotectonic Study of the Kermit Seismic Zone, Texas

By

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A SEISMICITY AND SEISMOTECTONIC STUDY OF THE KERMIT SEISMIC ZONE, TEXAS

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G. R. Keller, A. M. Rogers, R. J. Lund, and C. D. Orr

INTRODUCTION

Recent seismic activity has been observed in a region of the Permian Basin of West Texas called the Central Basin Platform (CBP). This study was initiated to obtain an improved understanding of the seismotectonics of the area because this information was of importance in assessing the seismic risk to a proposed radioactive waste disposal site in southeastern New Mexico, and CBP seismicity was the only significant activity within 100 km of the proposed storage site at the time this study was initiated. These earthquakes are of additional interest because they occur in the vicinity of major oil fields, and many of these fields have been or are currently undergoing secondary recovery operations. Shurbet (1969) and Sanford and Toppozada (1974) have suggested that the CBP earthquakes are related to the water injection-secondary recovery operations in the CBP oil fields.

In an effort to study these earthquakes in greater detail a network of telemetered seismographs was deployed around the epicenters of past events (table 1). This seismograph network was located in the central portion of the Permian Basin area of West Texas and southeast New Mexico. The subsurface structures in the area include the Delaware Basin, Central Basin Platform, and the West Platform Fault Zone (figs. 1 and 2). Although the number of stations and their locations varied during the operation of the network (December 1975 to September 1979), the basic configuration of the network remained the same. Figure 3 shows all of the station locations occupied during this study.

Table 1.--Events located in the study area prior to December 1975

Date Mo/Day/Yr	Time (GMT)	Latitude	Longitude	M_L 1/	M_{CORR} 2/
11/08/64	09:25:59	31.9	103.0	2.7	3.0
11/21/64	11:21:24	31.9	103.0	2.5	3.1
02/03/65	19:59:32	31.9	103.0	3.0	3.3
08/30/65	05:17:30	31.9	103.0	2.6	2.9
08/14/66	15:25:47	31.9	103.0	2.8	3.3
07/30/71	01:45:50	31.7	103.1	3.1	3.6
07/31/71	14:53:48	31.6	103.1	3.2	3.8
09/24/71	01:01:54	31.6	103.2	3.0	3.2
11/21/74	18:59:06	32.1	102.7	2.4	2.7

1/Data from Sanford and others (1978).
2/Data from Rogers and Malkiel (1979).

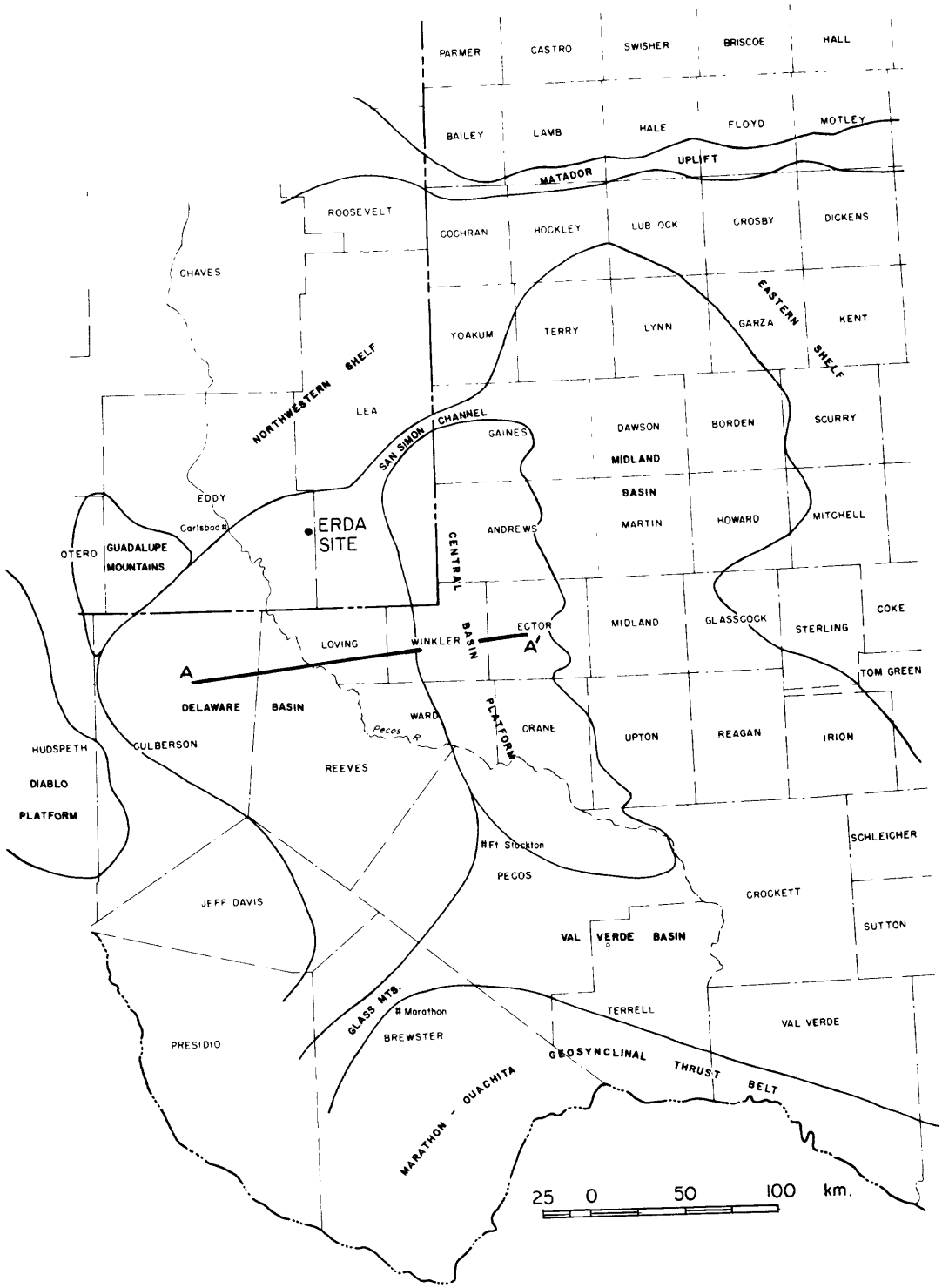

Figure 1.--Regional tectonic setting. Major tectonic features are indicated on a state-county base map. A-A' is the gravity profile discussed in the text.

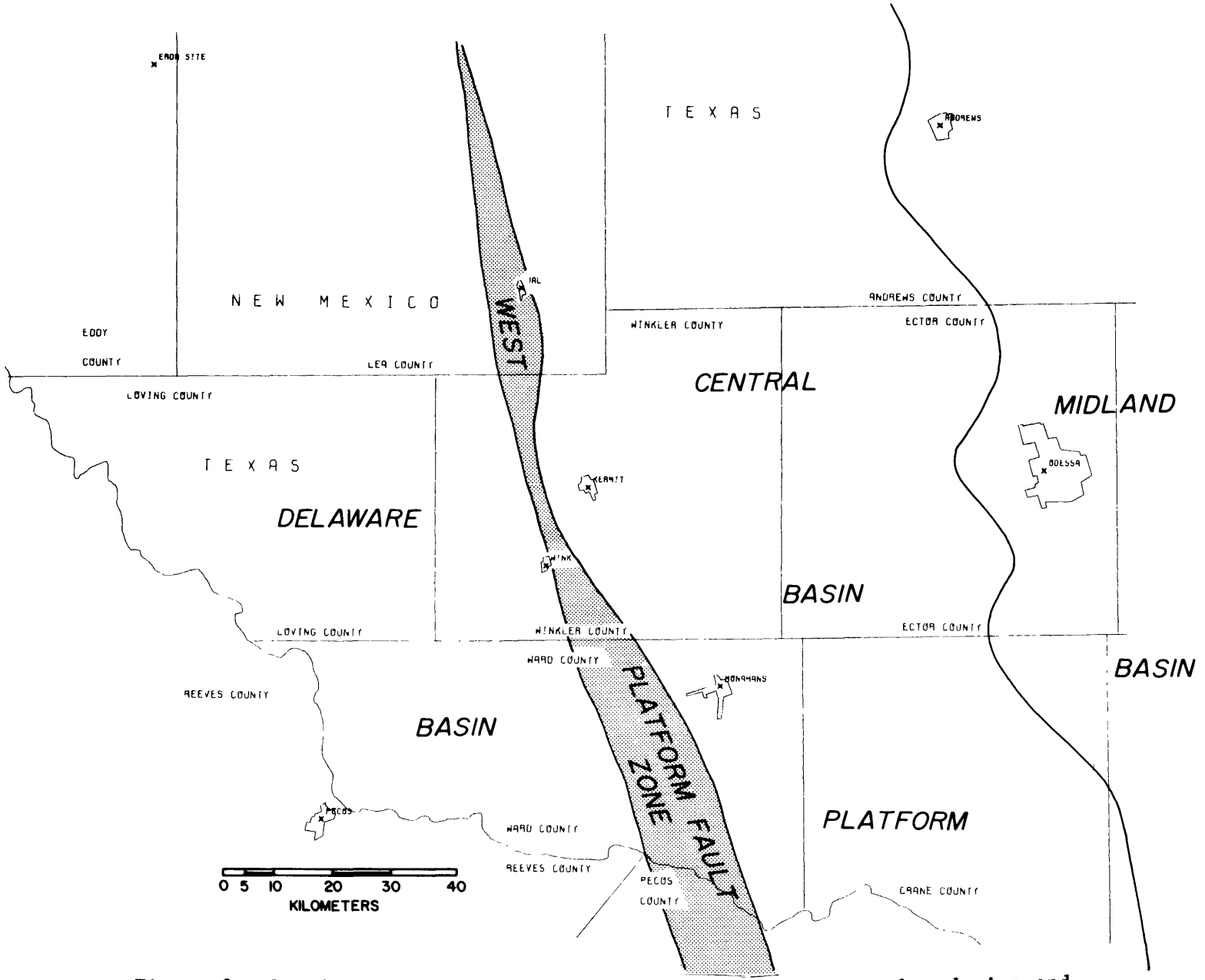

Figure 2.--Local tectonic setting. The location of the basin boundaries and the West Platform fault zone is indicated.

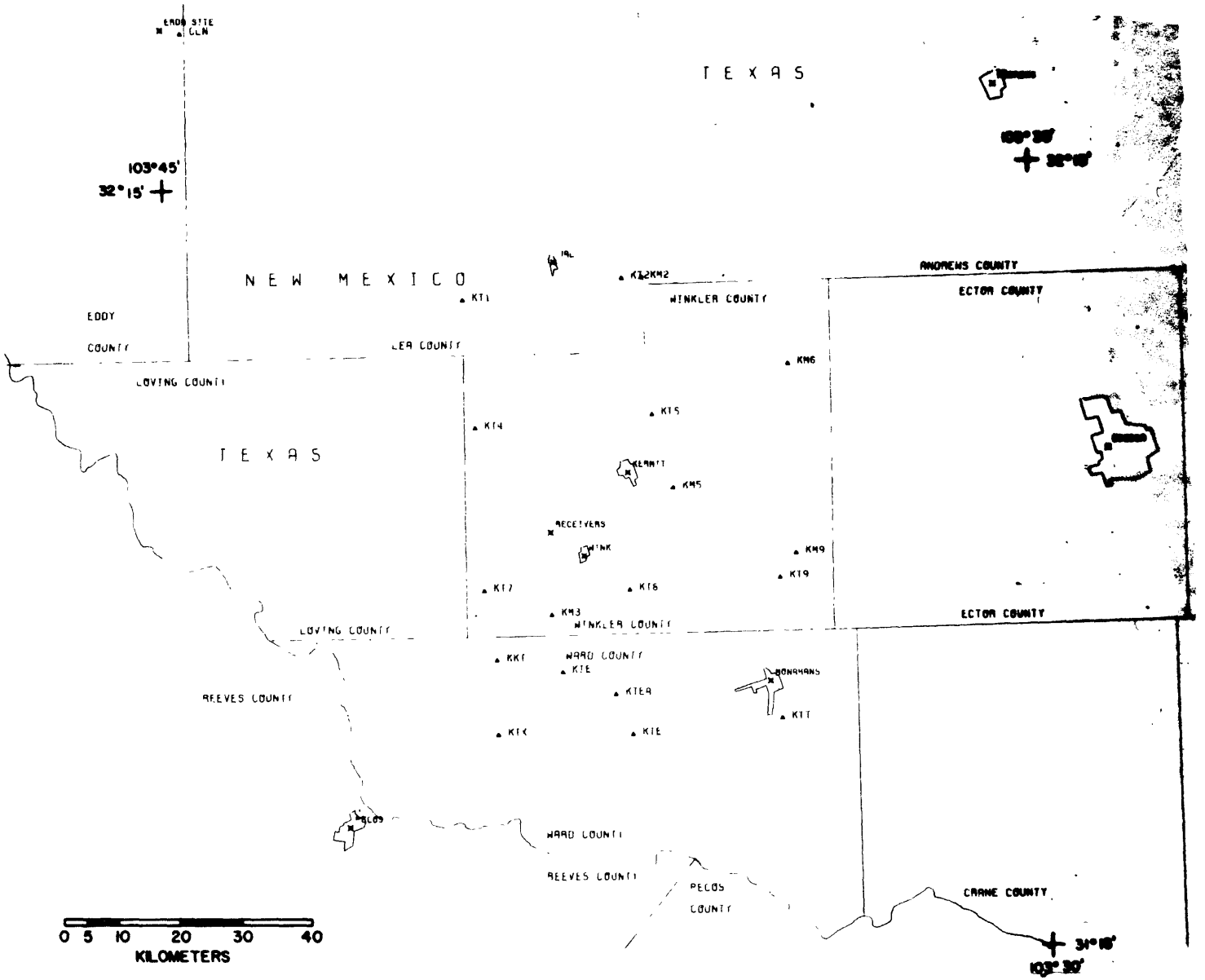

Figure 3.--Station locations. The locations of all seismic stations that operated during this study are shown by the solid triangle. The location of the proposed waste disposal site is shown in the upper left-hand corner.

The purpose of this report is to summarize the results obtained during the operation of the network and to provide documentation of the basic data obtained (see Appendices). An analysis of these data for the period December 1975 to July 1977 has been published by Rogers and Malkiel (1979). The major new result obtained since July 1977 has been the delineation and study of a zone of intense activity in the southwest corner of the network. Also an integrated geophysical and geological analysis for the deep-seated structure in the area has been completed (Djeddi, 1979). The results of this study will be summarized in this report.

INSTRUMENTATION

The Central Basin Platform seismic network consisted of 12 self-contained radio-telemetered seismograph systems covering an area of approximately 2,200 sq km. Each field station was equipped with a vertical-component seismometer, amplifier-voltage controlled oscillator, and a VHF transmitter. Seismometers employed were Mark Products [/] L-4C models with a natural period of 1 s and a damping factor of 0.67. A calibration coil in each seismometer was used to check the output and polarity of the system. The low-level seismic signals were fed into an Interproducts amplifier-VCO unit, which modulated the frequency of an audio-range carrier. Six separate carrier frequencies were used. Typical amplifier gains were 66 or 72 db, as determined by ambient background noise. These settings corresponded to a magnification of 25,000-50,000 near 1 Hz (when the recording films were read in a 20x viewer). The magnification increased approximately 6 db per octave to 10 Hz. The system response peaked at 15 Hz and fell off at 36 db per

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[/]Use of trade names in this report is for descriptive purposes only and does not constitute endorsement by the U.S. Geological Survey.

octave above 30 Hz. Repco VHF-FM transmitters, operating from batteries at approximately 1.5 watts, were used to transmit the signals to Repco receivers that were centrally located at the Winkler County Airport. Transmitting distances ranged from 12-40 km, and some signal deterioration was tolerated for the longer radio links to gain the greatest possible coverage. At the receiver site, the mixed output from each group of six receivers was telemetered via two phone lines to Golden, Colo., where the data were recorded along with a time code.

The facilities at Golden consisted of Interproducts discriminators, variable attenuators, a crystal clock, a 20-channel Develocorder microfilm recorder, and one Helicorder visible recorder. The data from one station were recorded on the Helicorder in order to allow rapid identification of earthquakes. In addition to Central Basin Platform data, the Albuquerque Seismic Observatory short-period seismic station (ALQ) was recorded on the film to document distant arrivals from the larger Central Basin Platform events ($M_L > 3.5$). Film recording speed was 3 cm per minute, and the optical enlargement of 20X by the film viewer permitted resolution of ± 0.01 s for impulsive arrivals. Direct recording of WWV time signals also insured absolute timing to ± 0.01 s.

The average level of detection within the network was magnitude $M_L = 2.0$ which was relatively high, due to the sandy surface conditions and high noise level created by oil-well pumps. The detection threshold of individual stations varied from a high of $M_L = 2.5$ in oil fields with sandy surface conditions to a low of $M_L = 0.5$ along the west edge of the network, where the lower density of oil-well pumps and the presence of caliche "bedrock" allowed higher gains to be used.

Factors that caused detection thresholds to vary with time included increased oil exploration and drilling, road construction, interference by cattle or wildlife, and random electronic failures (such as may result from lightning strikes). When landowner permission could be secured, station locations were changed to take advantage of sites with lower background levels.

EARTHQUAKE LOCATIONS

The station locations employed during this study are plotted in figure 3, and the periods of their respective operation are displayed in figure 4. The coordinates for each station are tabulated in table 2.

The earthquake locations shown in figures 5-16 and listed in Appendix II were determined using the hypocenter location program HYPO71 (Lee and Lahr, 1972) and the crustal model given in table 3. Earthquakes that were detected but proved unlocatable are also included in the Appendix. Some 3-station locations were computed by fixing the focal depth at 5.0 km. Quantities related to the reliability of the epicenter are listed with the location--the most important being the root-mean-square of the travel-time residuals (RMS), standard error in the epicenter (ERH) and in the hypocenter (ERZ), the epicentral distance in km to the nearest station (DMIN), and the largest azimuthal separation between stations in degrees relative to a given earthquake epicenter (GAP). The solution quality (Q) defined by Lee and others (1971) is a grade based on these quantities, where A is the best location and D is the poorest. It should be noted that the evaluation of the standard errors involves assumptions which may not be met. Consequently, the standard errors given may not represent actual error limits. Both the computed location and standard errors depend on the crustal model used and the

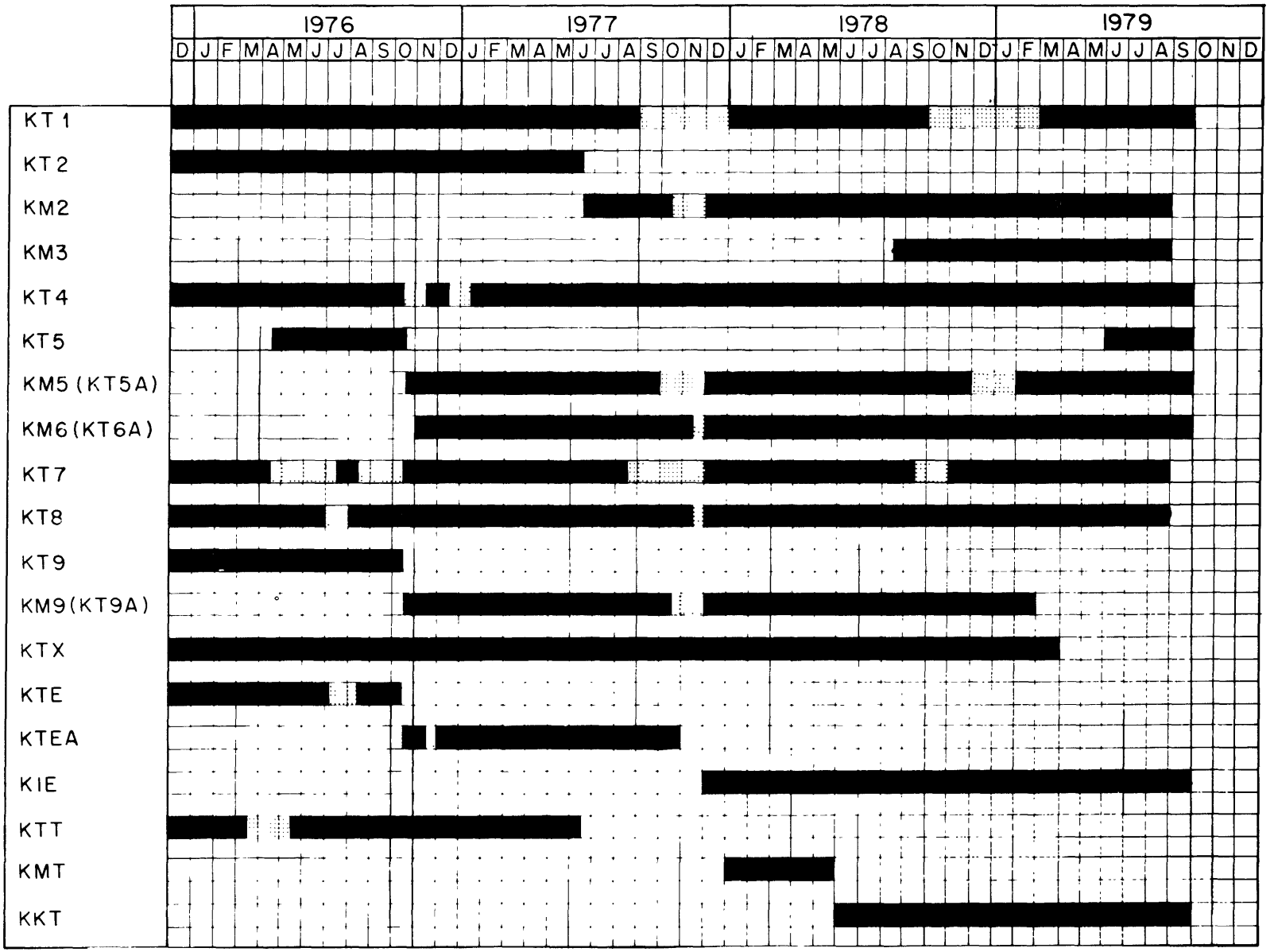


Figure 4.--Periods of station operation. Black bars indicate the station was operating; dotted bars indicate the station was installed, but not operating; and white areas indicate the station was not installed.

Table 2.--Station locations and station corrections

Station Name	Location	Correction (s)
KT1	32° 4.11' N. 103° 19.74' W.	0.05
KT2	32° 5.54' N. 103° 6.00' W.	0.03
KM2	32° 5.55' N. 103° 4.31' W.	0.06
KM3	31° 40.66' N. 103° 12.55' W.	-0.12
KT4	31° 54.60' N. 103° 18.91' W.	0.04
KT5	31° 55.41' N. 103° 3.64' W.	0.00
KM5(KT5A)	31° 49.90' N. 103° 1.90' W.	0.00
KM6(KT6A)	31° 58.95' N. 102° 51.79' W.	0.00
KT7	31° 42.55' N. 103° 18.36' W.	0.00
KT8	31° 42.40' N. 103° 5.83' W.	-0.02
KT9	31° 43.08' N. 102° 52.81' W.	-0.08
KM9(KT9A)	31° 44.89' N. 102° 51.38' W.	-0.10
KTX	31° 31.83' N. 103° 17.38' W.	0.10
KTE	31° 31.69' N. 103° 5.83' W.	0.14
KTEA	31° 34.69' N. 103° 7.20' W.	-0.03
KIE	31° 36.41' N. 103° 11.74' W.	0.02

Table 2.--Station locations and station corrections--Continued

Station Name	Location	Correction (s)
KTT	31° 32.64' N. 102° 52.92' W.	-0.19
KMT	31° 37.36' N. 103° 17.33' W.	-0.03
KKT	31° 37.36' N. 103° 17.33' N.	-0.03

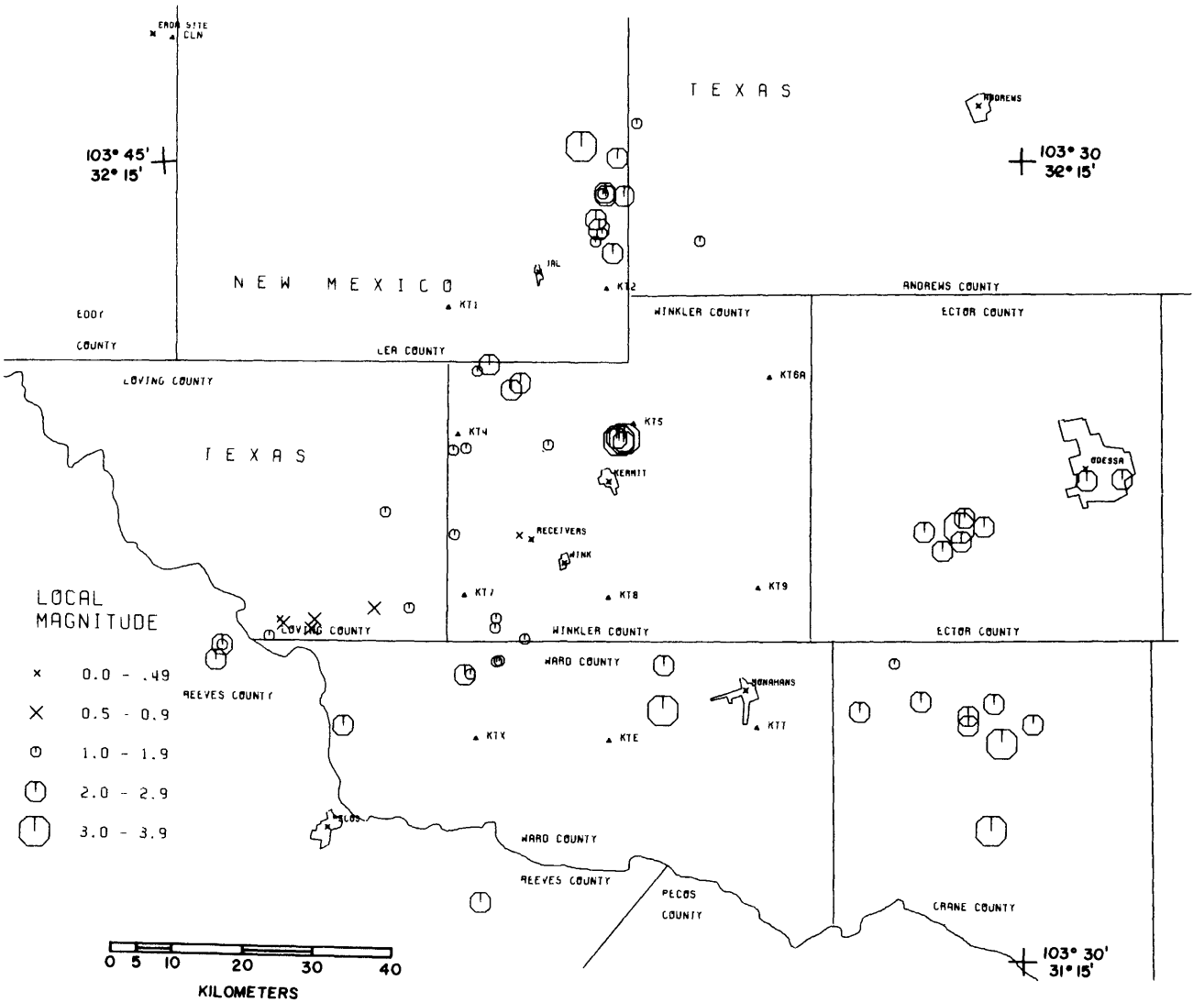


Figure 5.--All located earthquakes in the monitoring region in 1976.

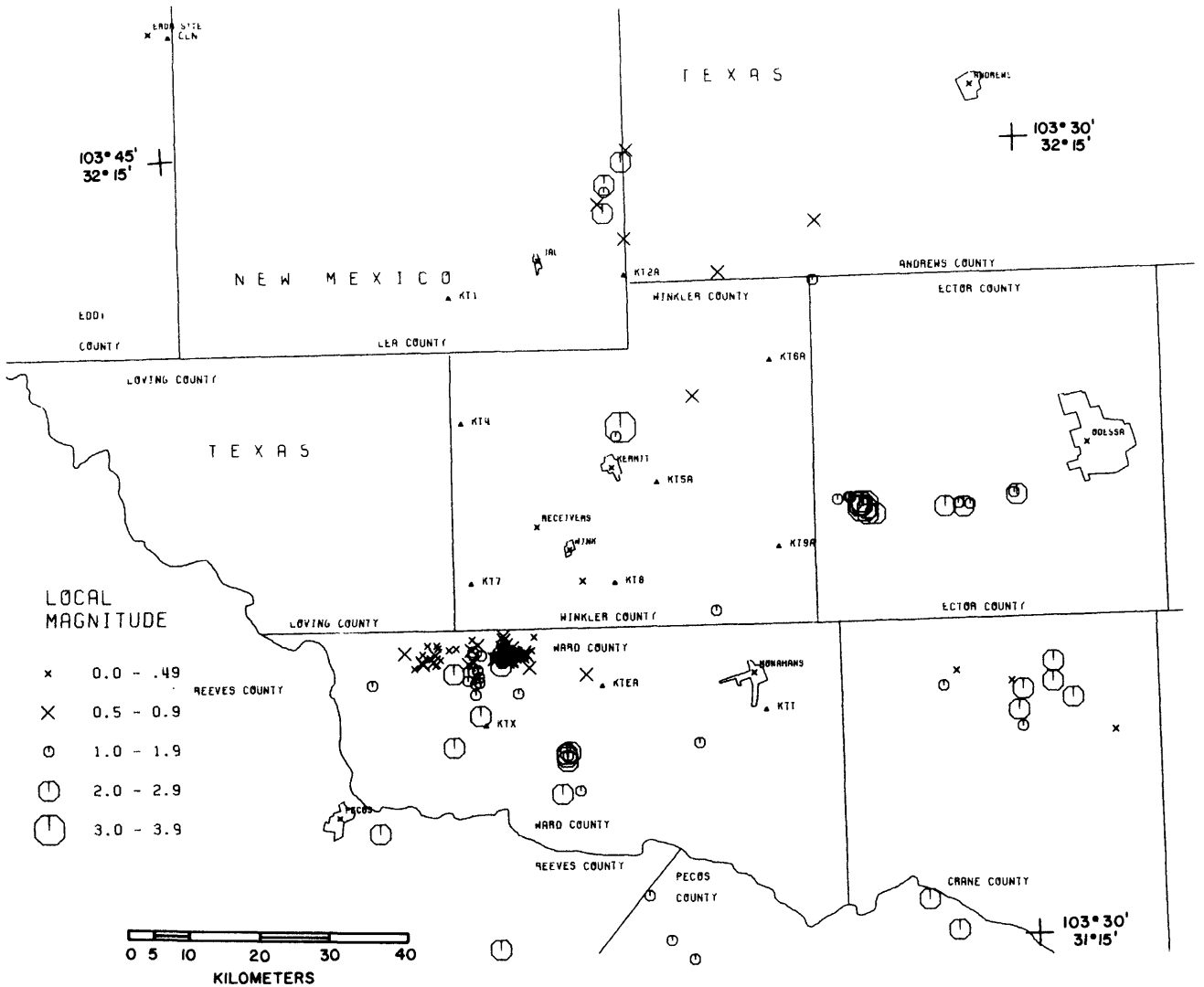


Figure 6.--All located earthquakes in the monitoring region in 1977.

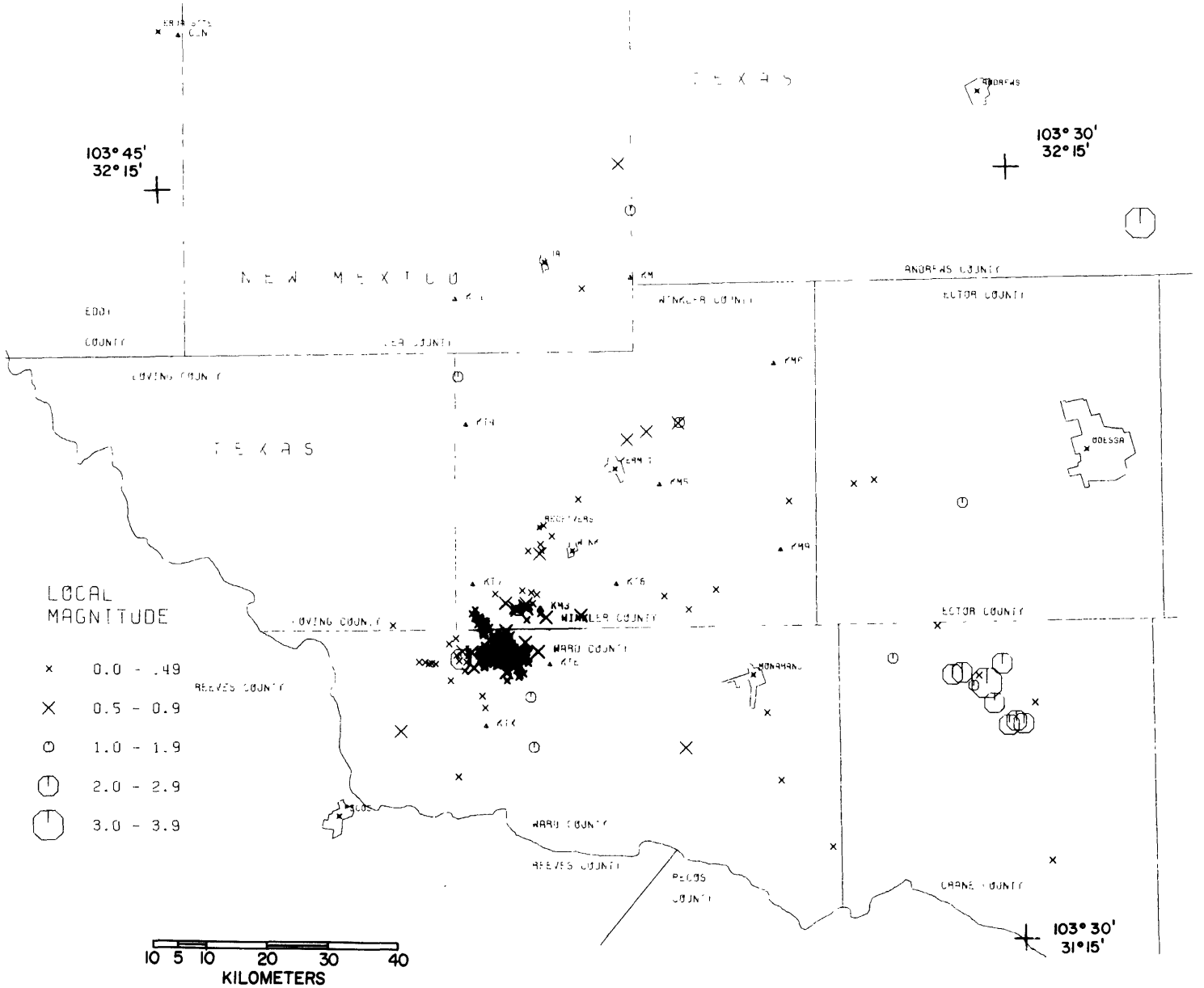


Figure 7.--All located earthquakes in the monitoring region in 1978.

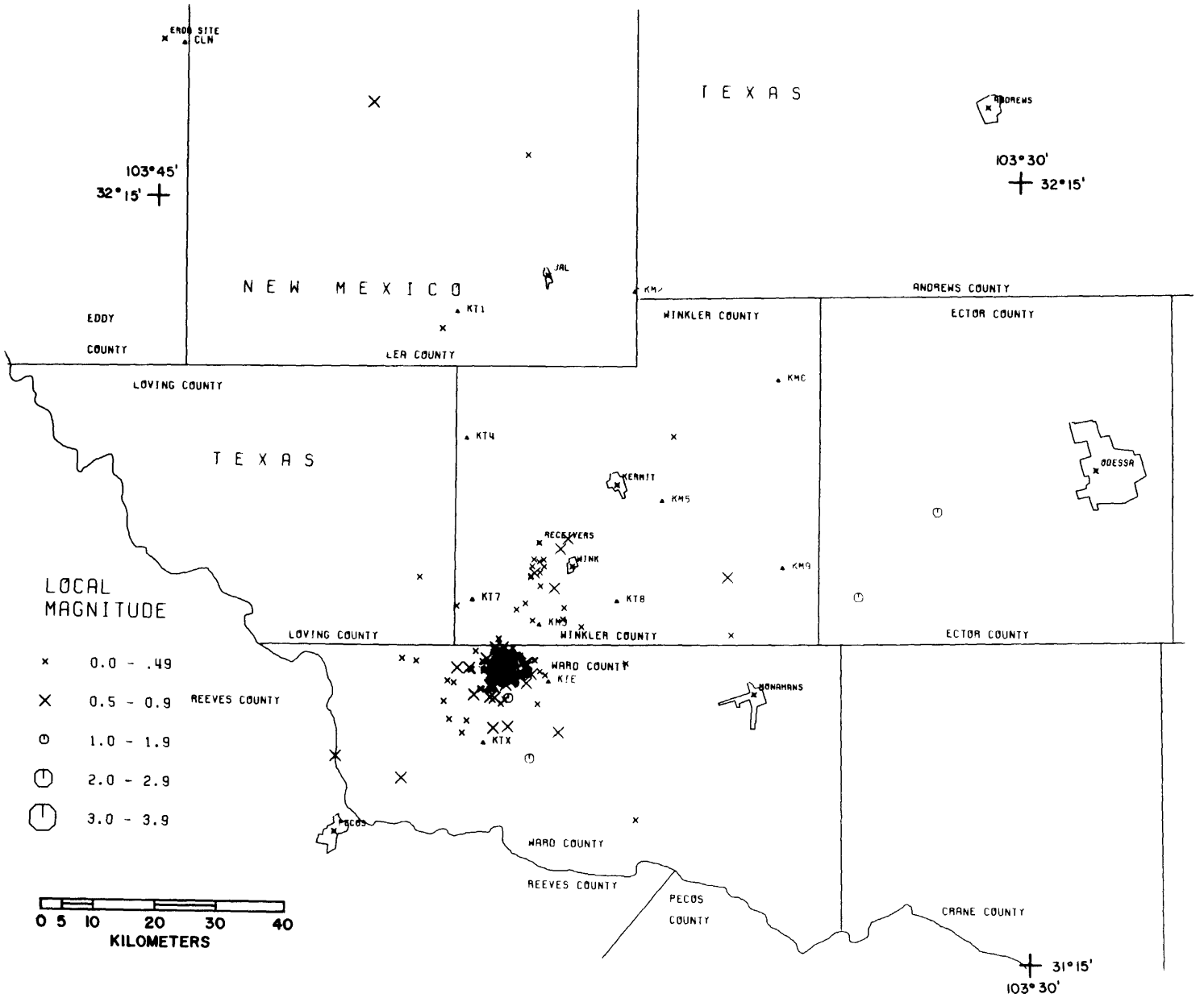


Figure 8.--All located earthquakes in the monitoring region in 1979.

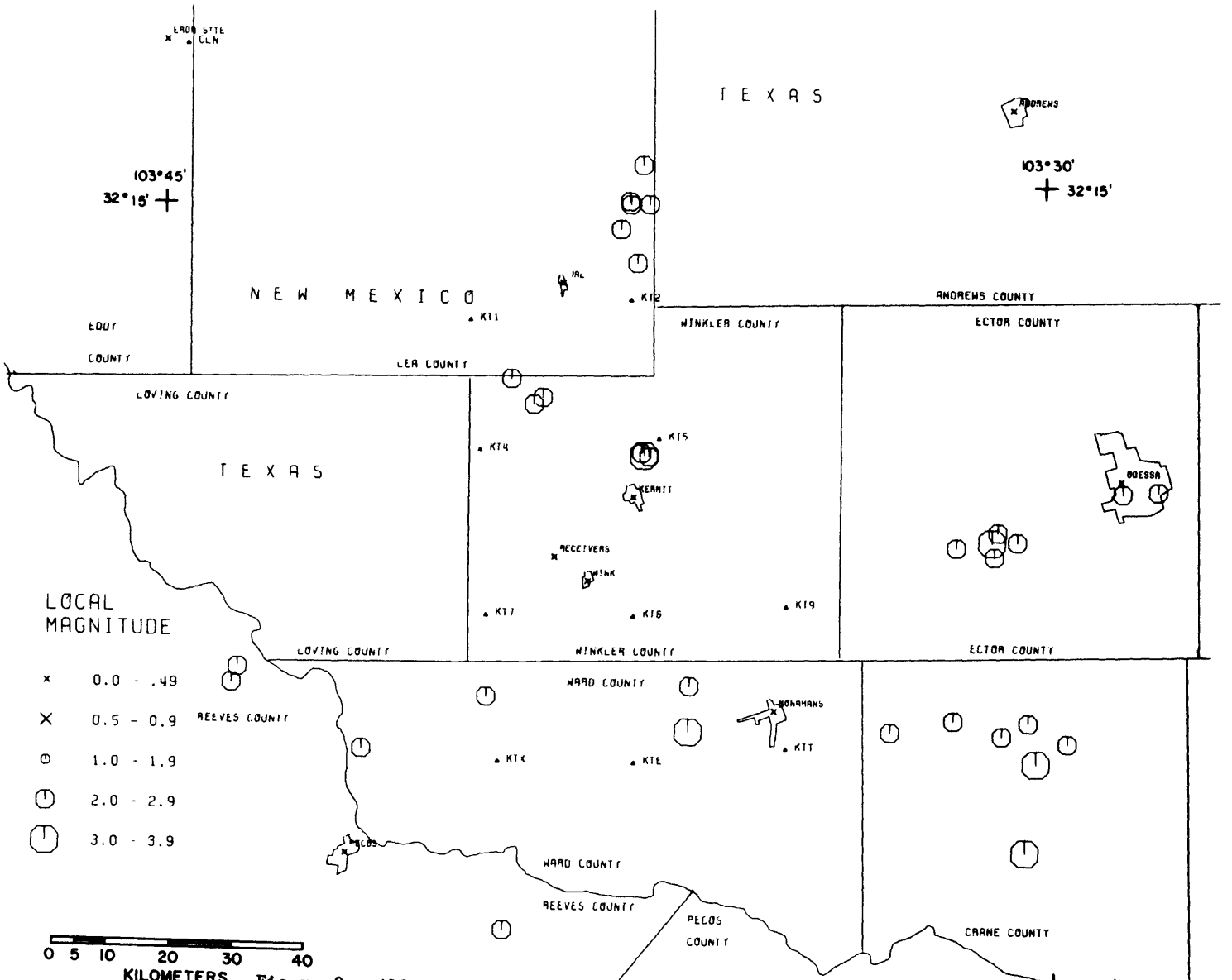


Figure 9.--All earthquakes greater than magnitude 2.0 located in the monitoring region in 1976.

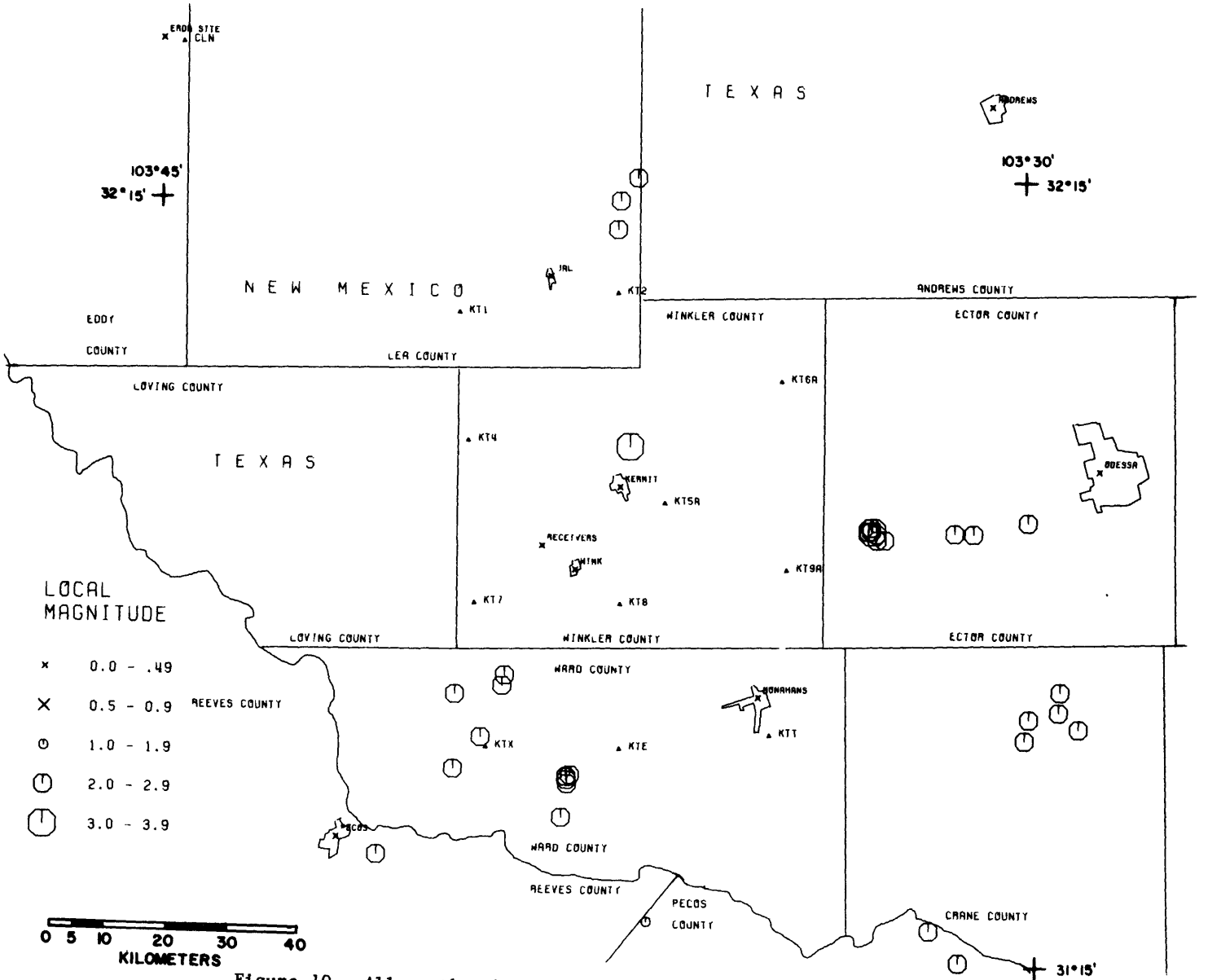


Figure 10.--All earthquakes greater than magnitude 2.0 located in the monitoring region in 1977.

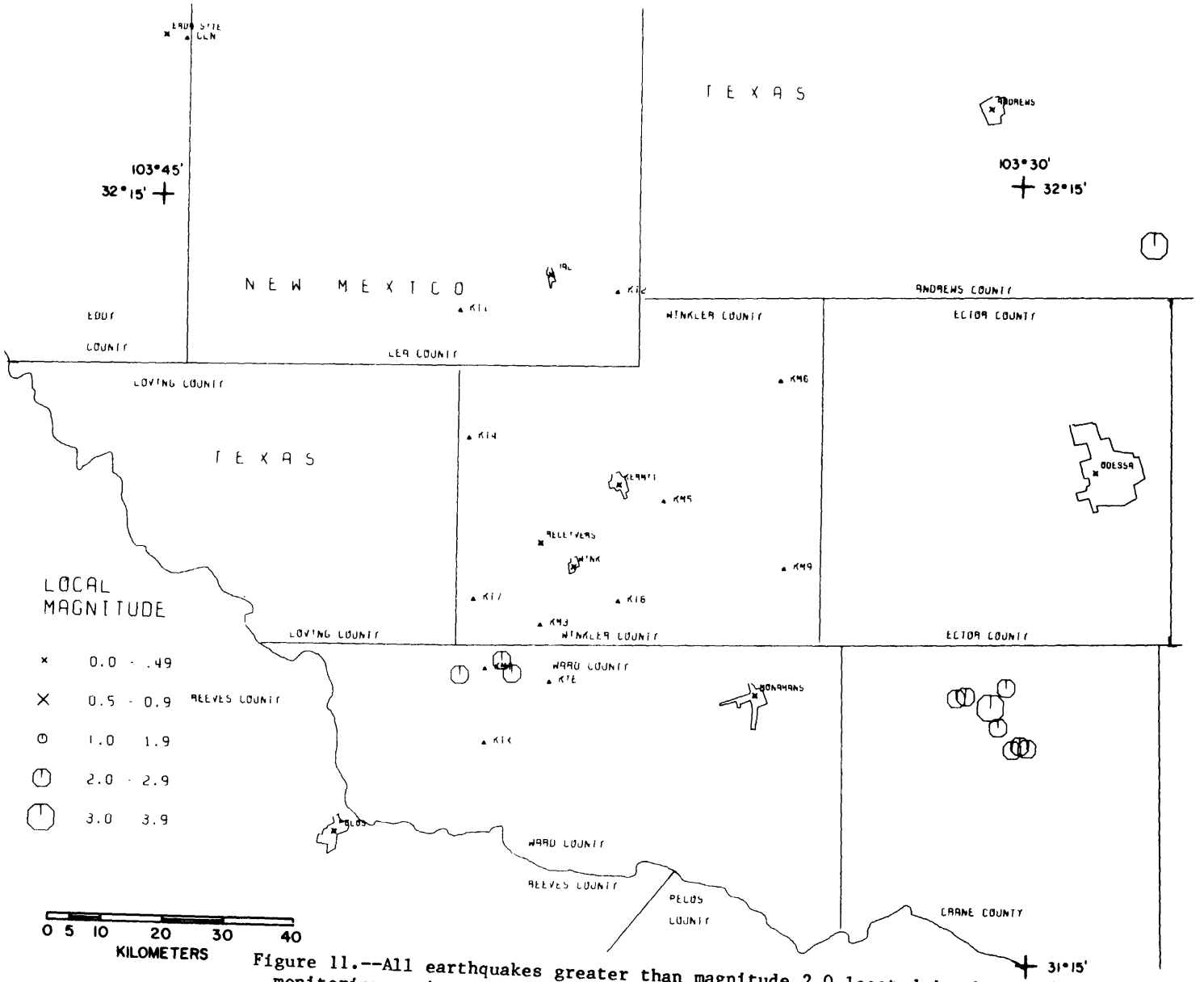


Figure 11.--All earthquakes greater than magnitude 2.0 located in the monitoring region in 1978.

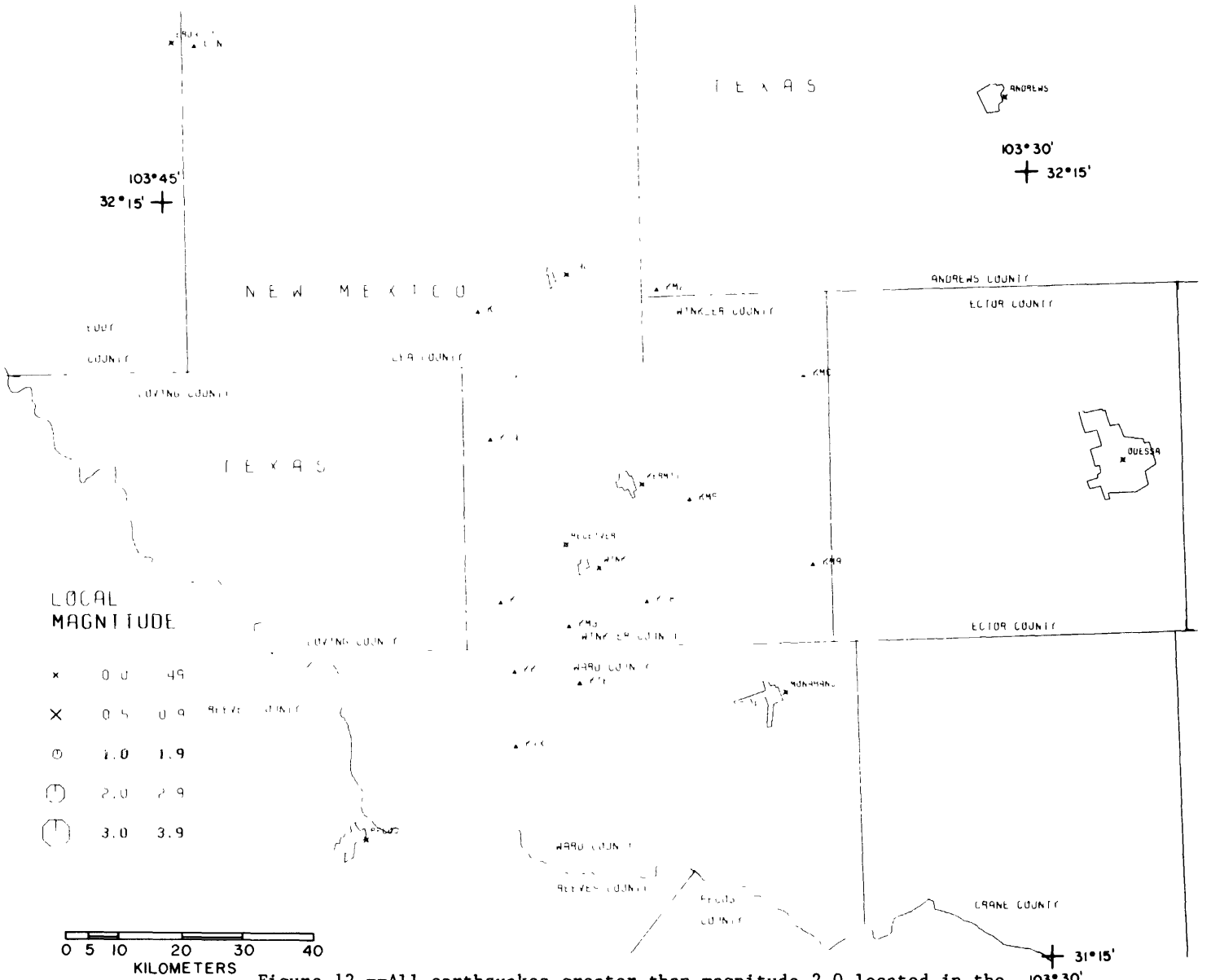


Figure 12.--All earthquakes greater than magnitude 2.0 located in the monitoring region in 1979.

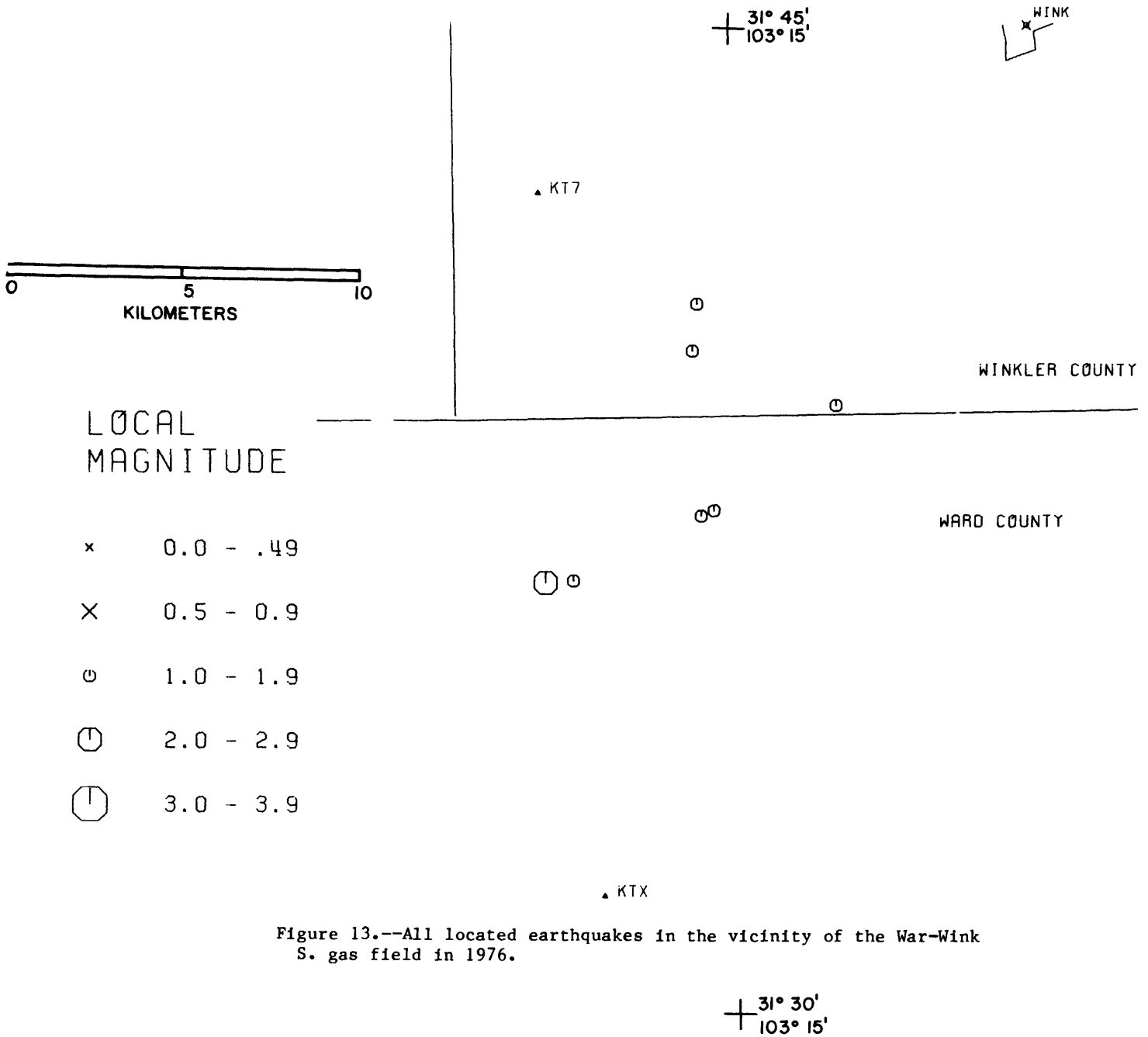


Figure 13.--All located earthquakes in the vicinity of the War-Wink S. gas field in 1976.

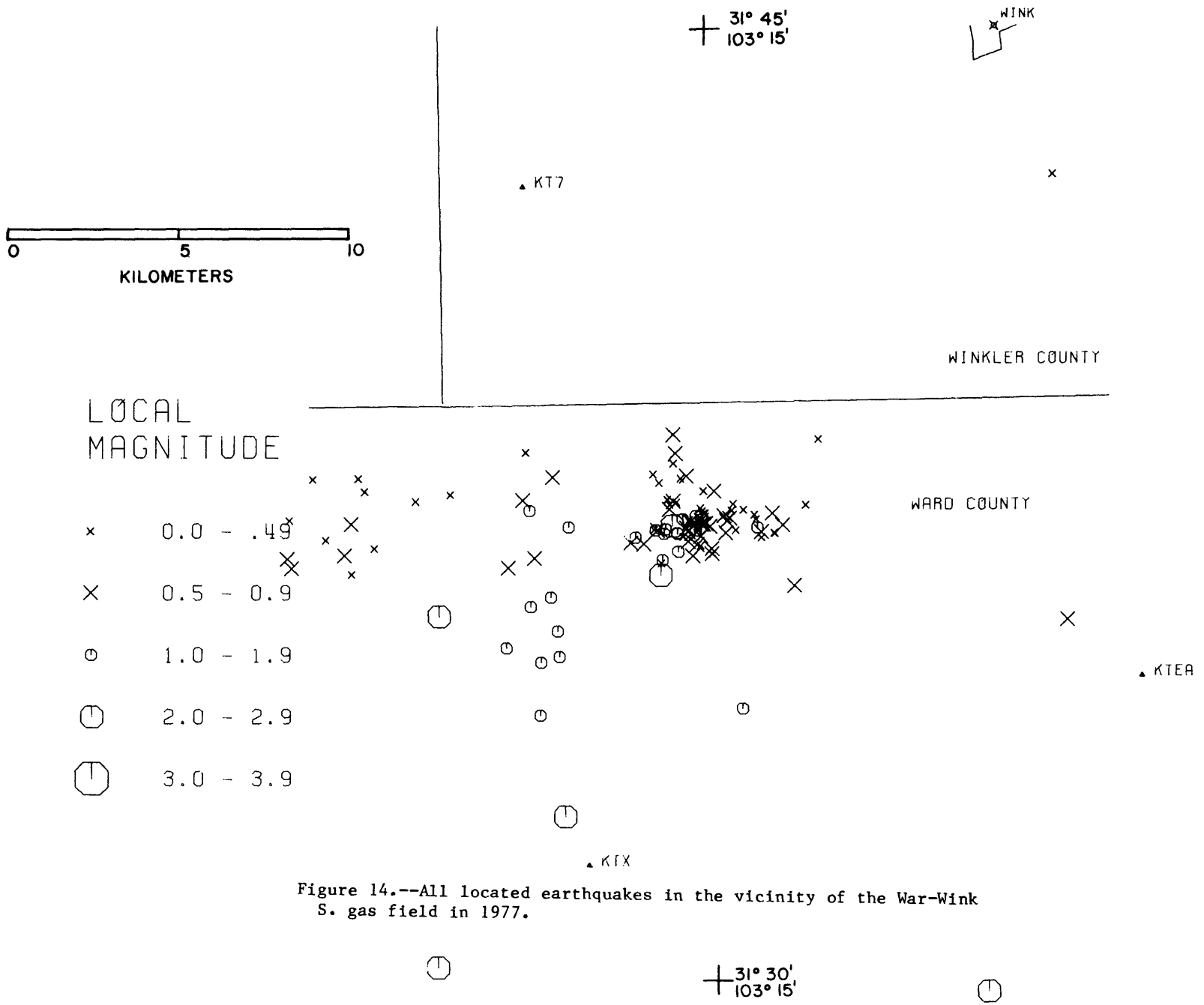


Figure 14.--All located earthquakes in the vicinity of the War-Wink S. gas field in 1977.

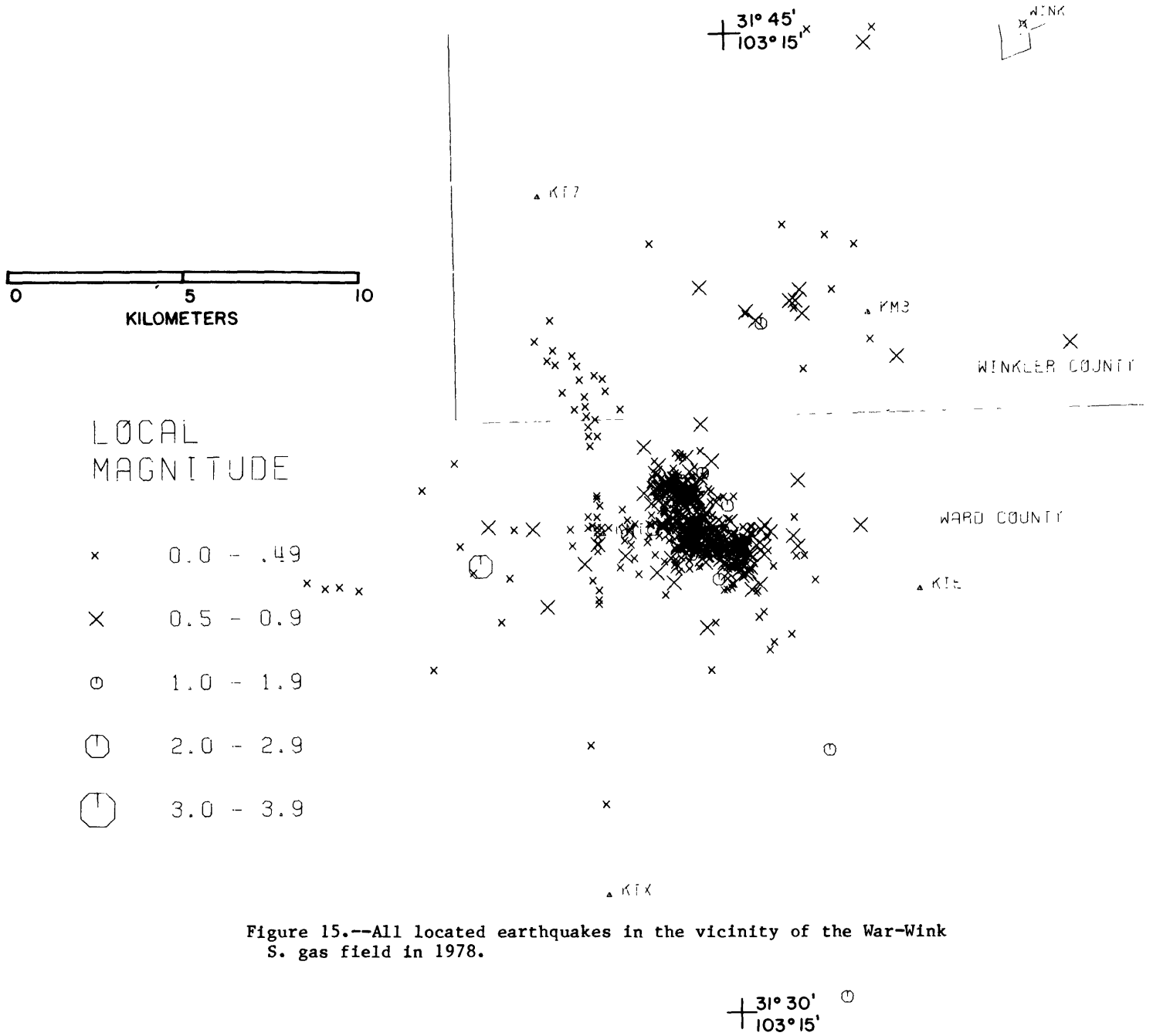


Figure 15.--All located earthquakes in the vicinity of the War-Wink S. gas field in 1978.

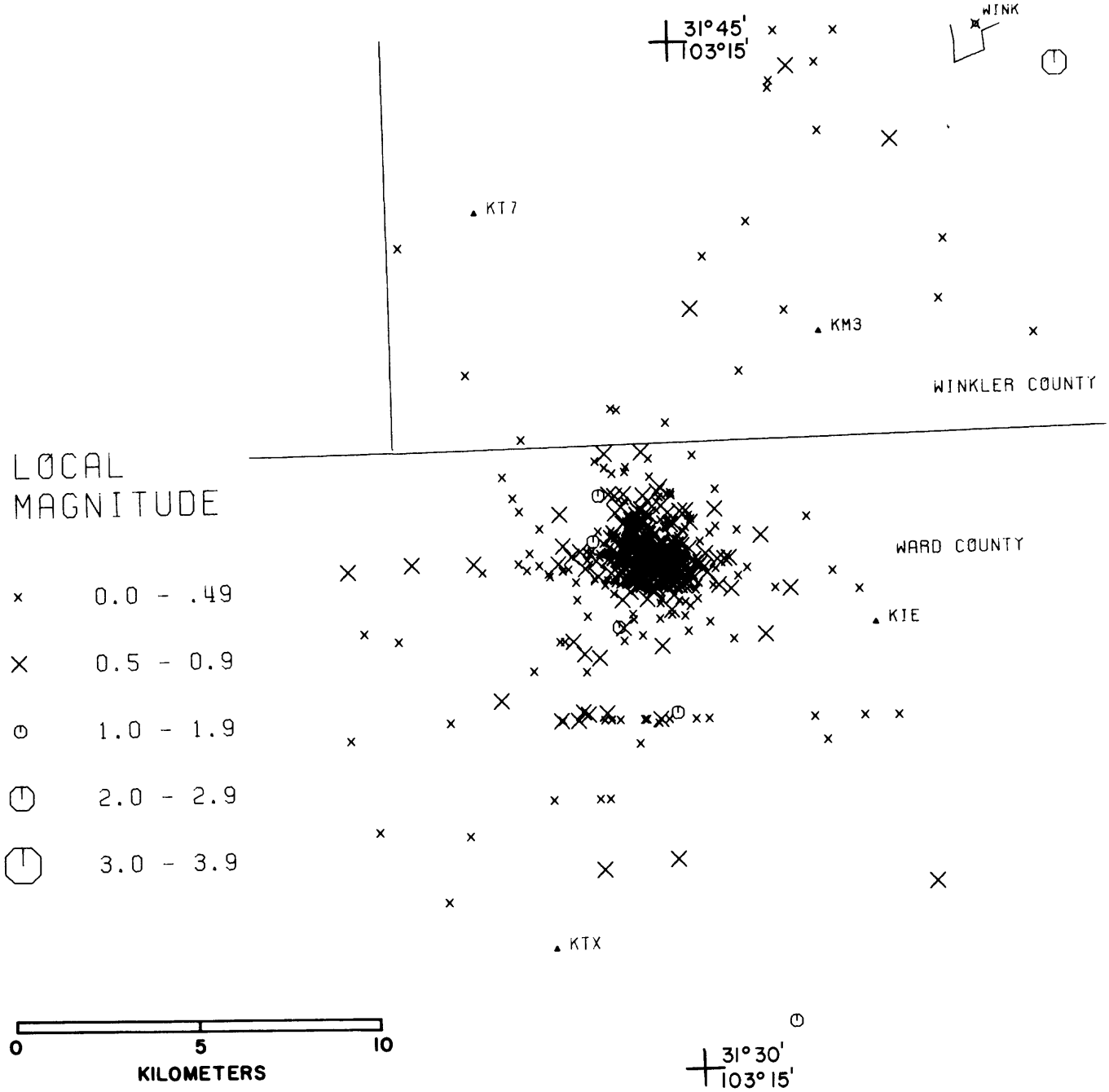


Figure 16.--All located earthquakes in the vicinity of the War-Wink S. gas field in 1979.

Table 3.--Crustal model used for earthquake locations

[Stewart and Pakiser, 1962]

Layer	Depth to top of layer (km)	P-Velocity (km/s)
1	0.0	4.93
2	4.2	6.14
3	19.2	6.72
4	31.1	7.10
5	50.8	8.23

network geometry. That is, the locations and error estimates will be improved by crustal models that closely approximate the structure underlying the network. In order to obtain the most reliable epicenter, the network geometry should be such that the gap is less than 180°. The most reliable focal depth is obtained when DMIN is less than the focal depth (Lee and others, 1971). A more complete discussion of location errors is given by Lee and others (1971).

S-wave arrival times were incorporated into the location procedure for 25 percent of the events. S-data were used wherever possible, and were particularly useful for locating earthquakes outside the array boundaries. A P/S velocity ratio of 1.78 was assumed to convert theoretical P-wave arrival times into equivalent S arrivals (Lee and Lahr, 1972).

In this study two crustal models were tried. A more complex model (8 layers) than that given in table 3 was constructed by incorporating a log from a 3.7 km deep well located near Kermit, Texas, with the refraction data of Stewart and Pakiser (1962). This model did not result in substantially different locations or standard errors. For 17 of the best-located events the model produced changes in the epicenters of less than ± 0.3 km, the focal depths of less than ± 0.1 km, the standard error in the epicenter by less than ± 0.1 km, and the standard error in the focal depths by ± 1.0 km. In a few cases, however, the standard error in the focal depth became unstable and large variations were observed. Given the current level of information on crustal structure, velocities, and location procedures, these locations are the best possible.

In order to reduce the effects of the crustal model inadequacies, station corrections were determined for the final locations using 17 of the best-located events. A station correction was determined by iteratively summing the mean station residual for these earthquakes and using the sum as that

station's correction in successive runs. Three runs were required to obtain the final residuals, which were then used to locate all the events. The corrections are shown in table 2.

PATTERNS OF SEISMICITY

During the 46 months of recording, 1,315 events were recorded well enough to be located. Most of these events were located in the southwest corner of the network and correlated spatially with an area of oil and gas production in the War-Wink field. Plots of total yearly seismicity are shown in figures 5-8. Events with duration magnitudes (Lee and others, 1972) greater than 2.0 are shown in figures 9-12. An enlarged view of the seismicity in the War-Wink area is shown in figures 13-16. These plots indicate that substantial spatial and temporal variations in activity occurred during the monitoring period.

In 1976 and 1977, the Dollarhide field near Jal, N.M., was the source of considerable activity. During 1978 and 1979, however, activity in this area was very low. Throughout the recording period, background activity has been low in the area just northeast of Kermit where the 1976 and 1977 felt events occurred. The increase of activity in the southwest corner of the network from 1976 to 1979 is partially due to the increase in the number of stations in this area during this time period. Activity rates in the central portion of the network are low, although many of the largest events occur in this zone. The area east of the network, near Odessa, was active in 1976 and 1977. This activity decreased in 1978, however, and more so in 1979.

The presence of numerous swarm events is shown by the data in figures 17-24. Comparison of these data with the earthquake counts shown in figures 21-24 for the War-Wink gas field alone shows that this region produced the principal swarm events. This area was particularly active in the first half of 1979.

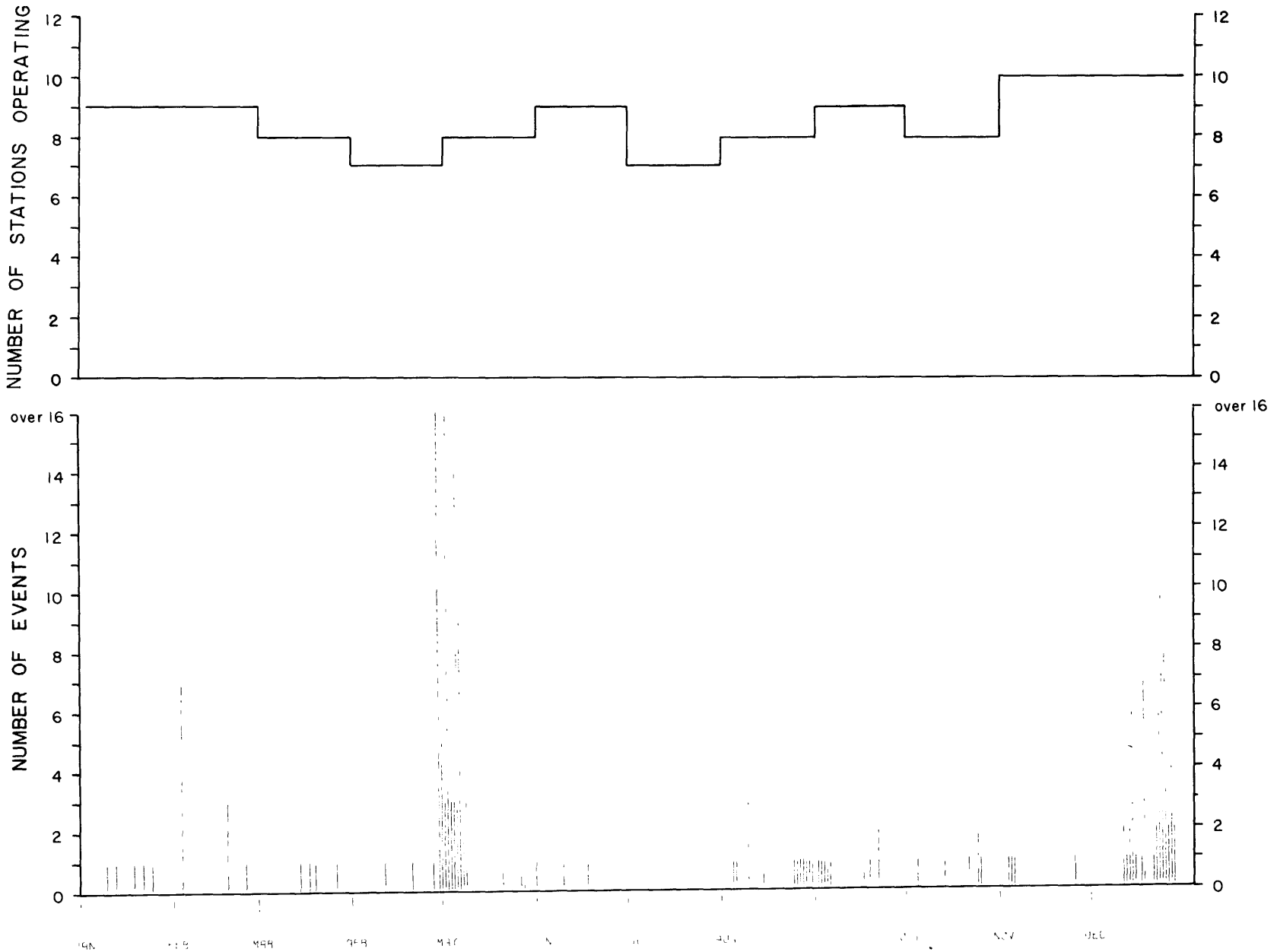


Figure 17.--Earthquake histogram and number of stations operating for 1976.

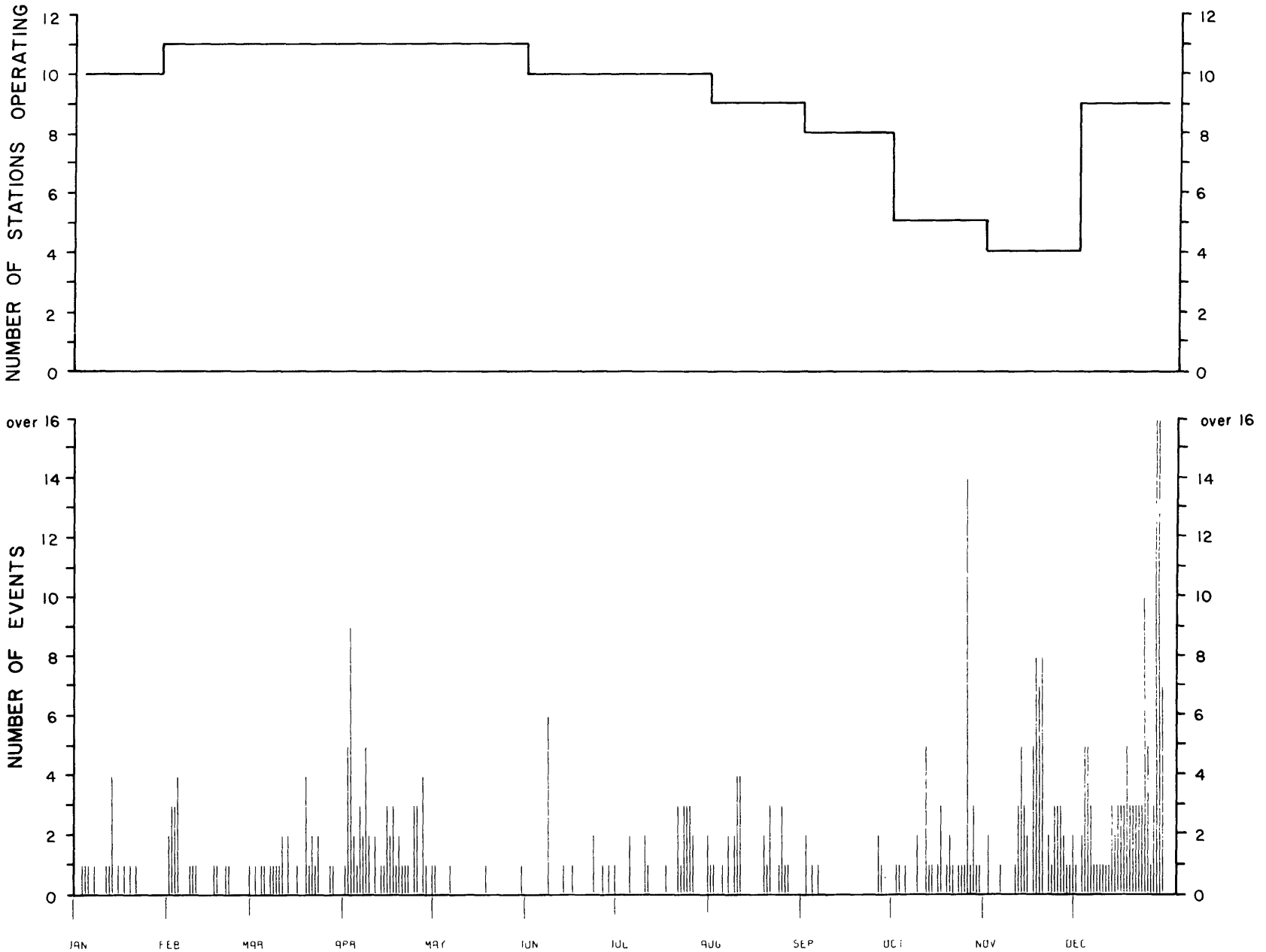


Figure 18.--Earthquake histogram and number of stations operating for 1977.

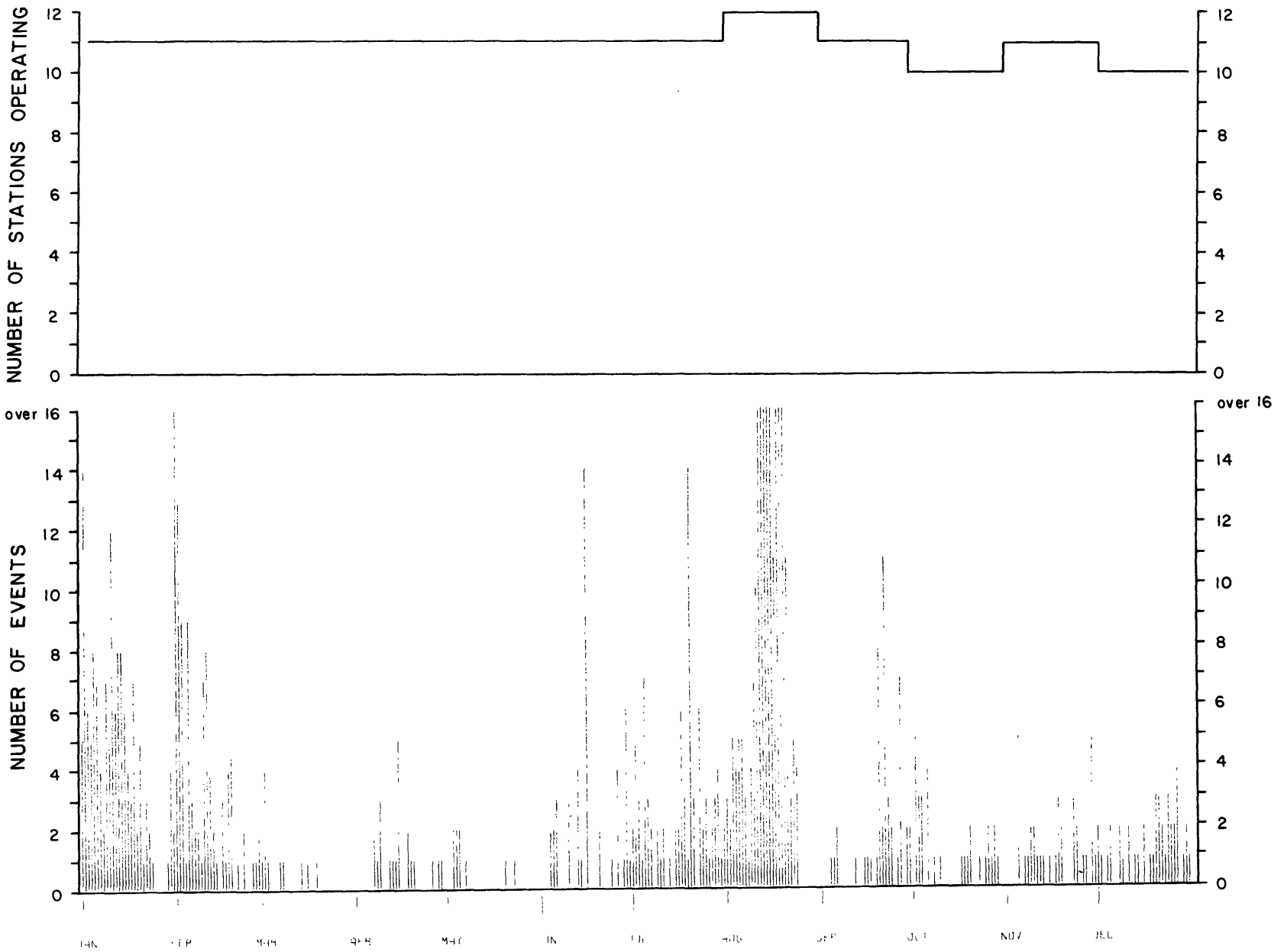


Figure 19.--Earthquake histogram and number of stations operating for 1978.

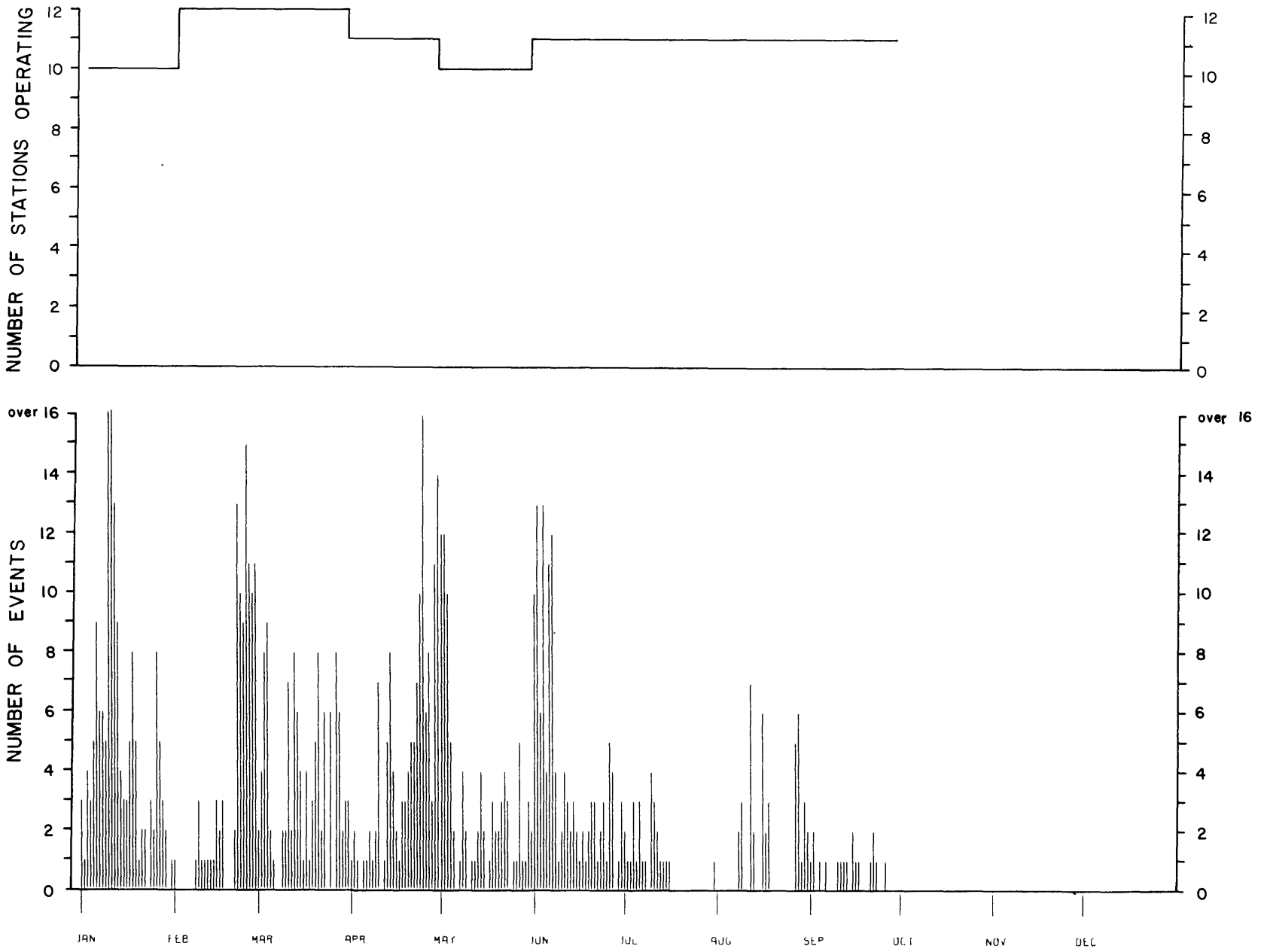


Figure 20.--Earthquake histogram and number of stations operating for 1979.

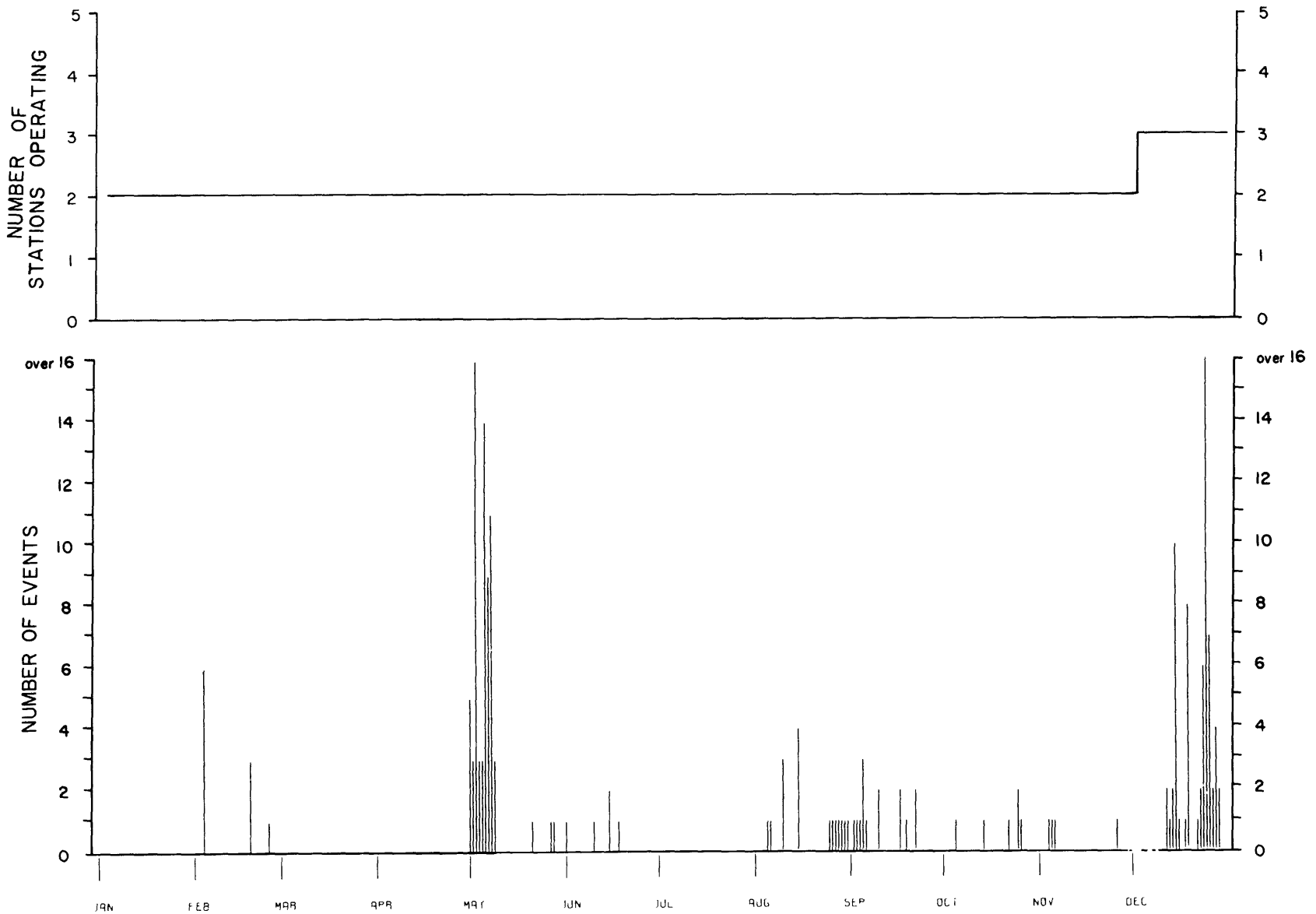


Figure 21.--Earthquake histogram and number of stations operating in the vicinity of the War-Wink S. gas field in 1976.

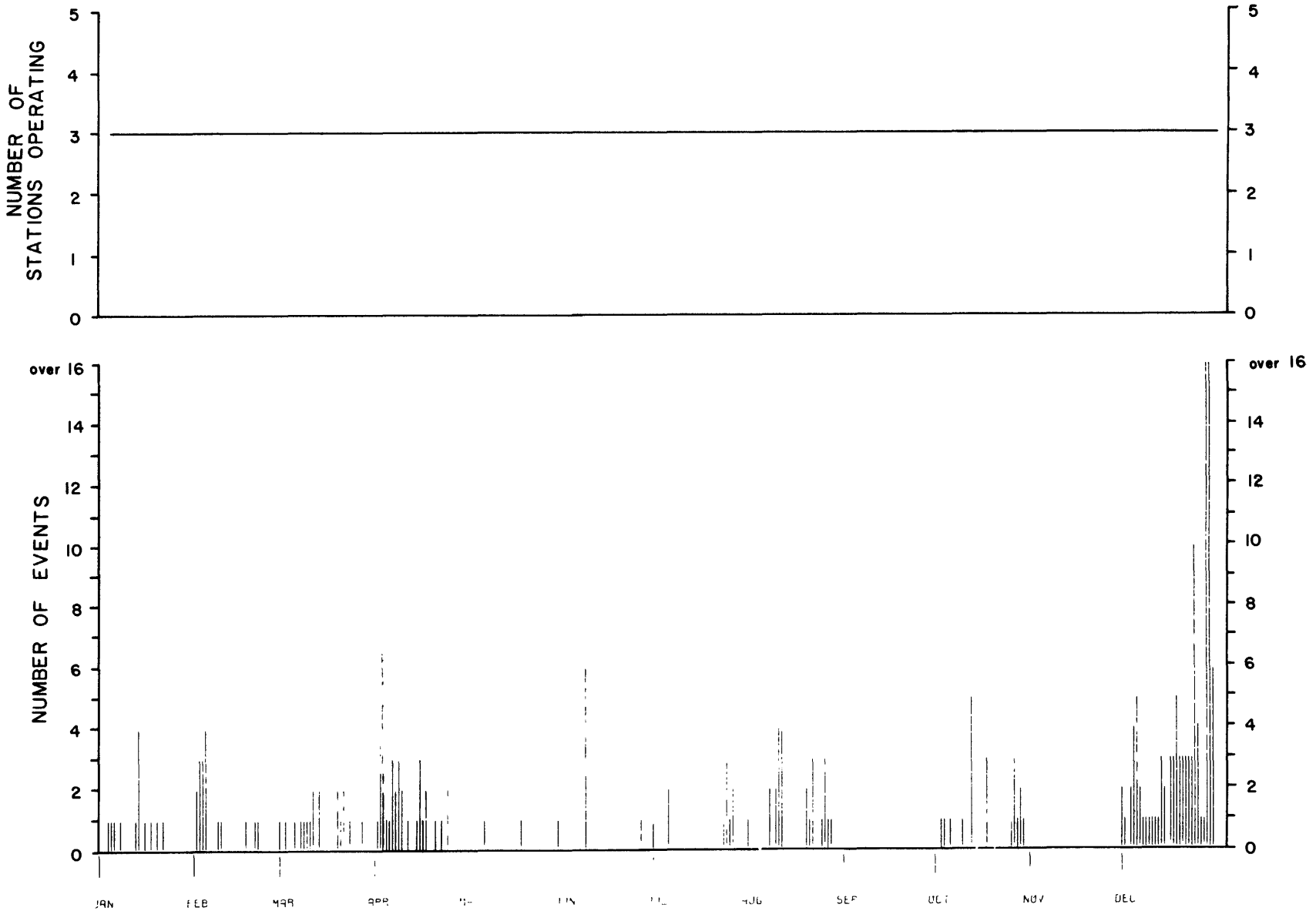


Figure 22.--Earthquake histogram and number of stations operating in the vicinity of the War-Wink S. gas field in 1977.

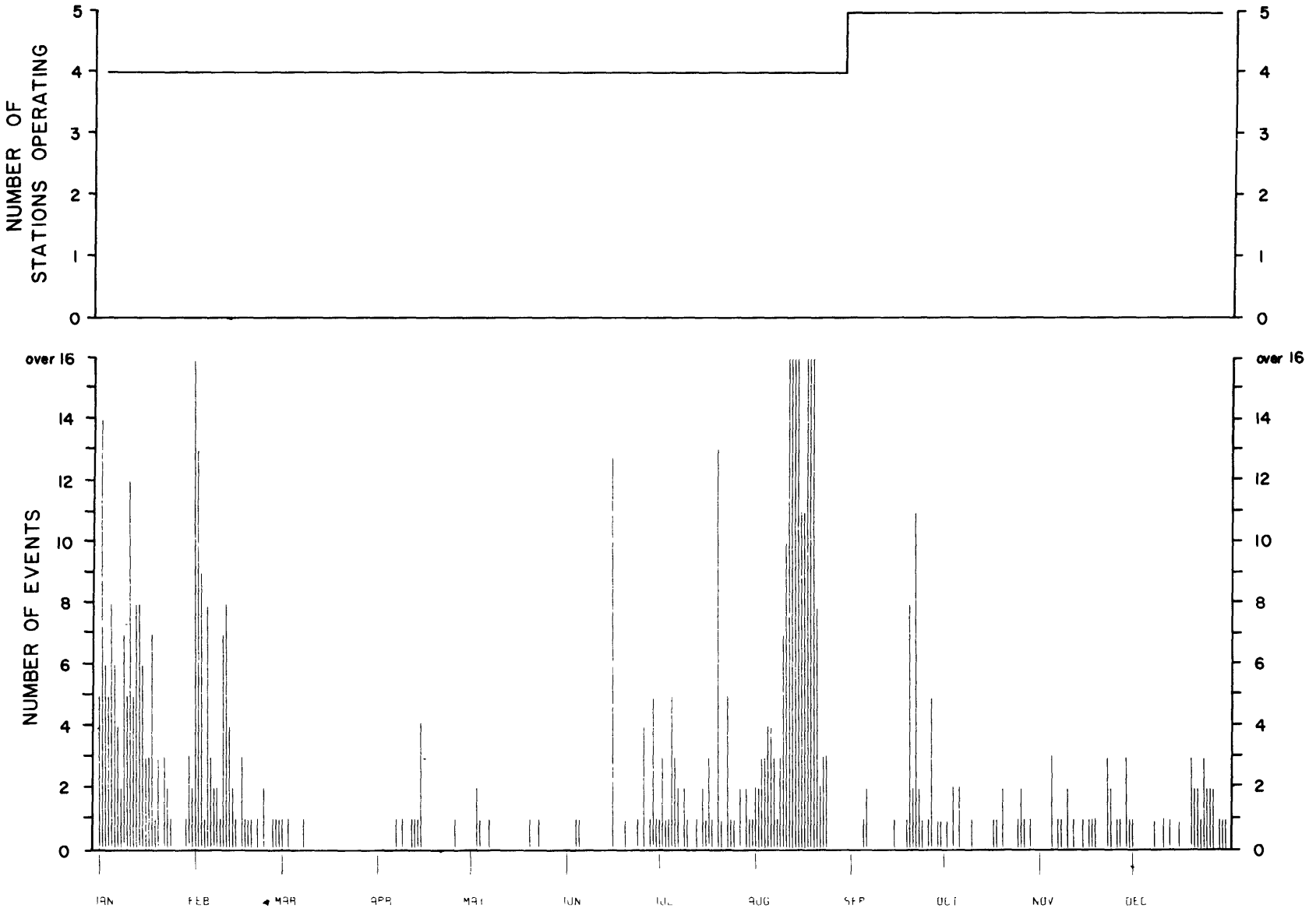


Figure 23. Earthquake histogram and number of stations operating in the vicinity of the War-Wink S. gas field in 1978.

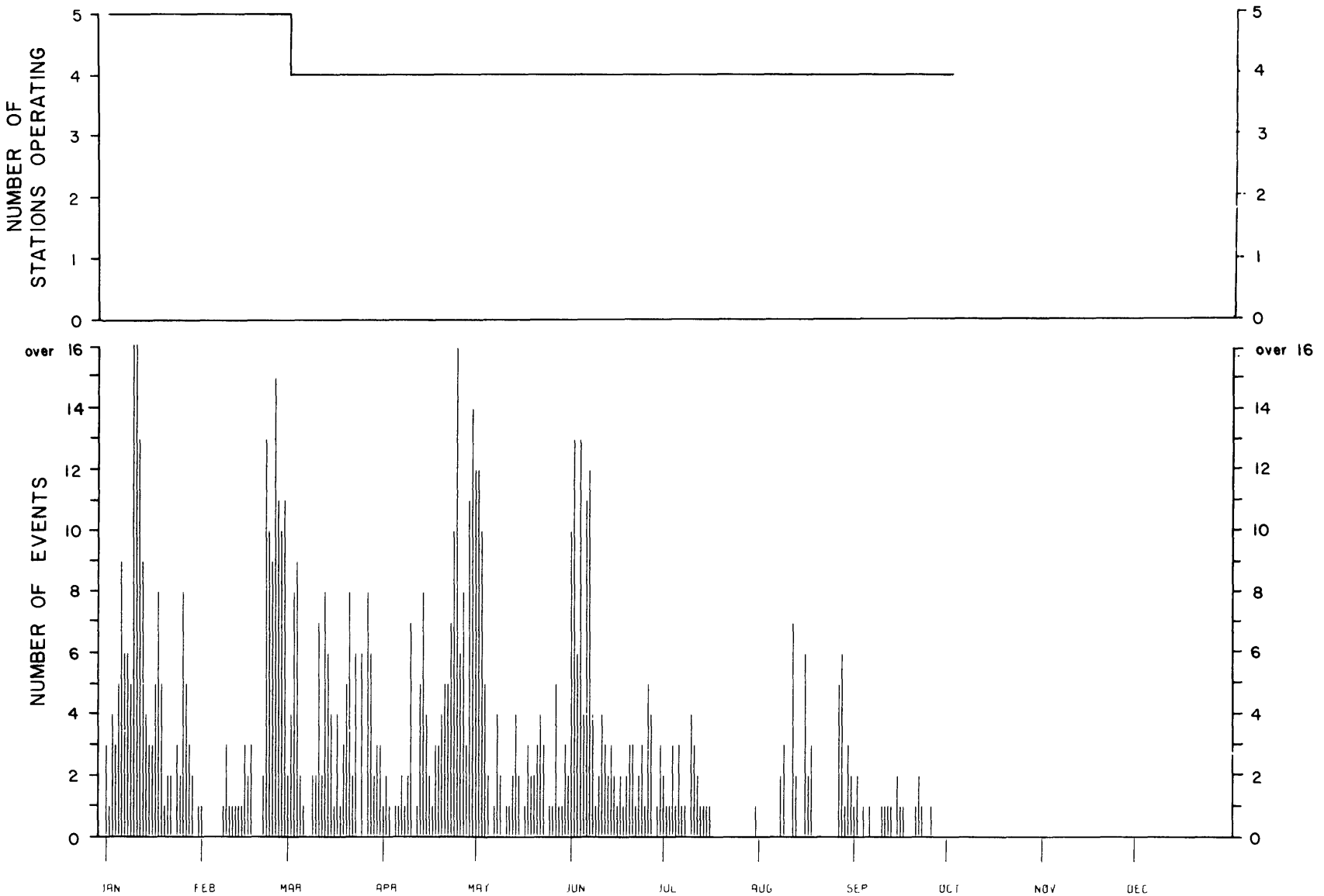


Figure 24. Earthquake histogram and number of stations operating in the vicinity of the War-Wink S. gas field in 1979.

Figure 25 shows a plot of the logarithm of the number of events in a given magnitude interval (M) versus the M midpoint. This figure includes all earthquakes in the study area except the War-Wink swarm. The data show that earthquakes below about magnitude 2.5-3.0 are not completely detected across the network, a result that is related to the noise problems and low gain of the network. A least squares line is fit to the data in the magnitude range 3.0-4.0, as shown. This line should be considered tentative, however, because it is only based on about 25 earthquakes. This line is given by

$$\mathrm{Log}_{10}N = 4.81-1.21\ M_{mid}$$

Figure 26 shows the recurrence relation for the War-Wink swarm alone. These data show that in this region incomplete detection occurs below about magnitude 0.5. The threshold in this region is lower because in the western portion of the network noise problems were lower and seismometer coupling was improved (Rogers and Malkiel, 1979). The line fitting these data between the magnitude range of 0.5 and 3.0 is

$$\mathrm{Log}_{10}N = 3.30-1.12\ M_{mid}$$

The study by Rogers and Malkiel (1979) contains a discussion of the correlation of epicenters with fault zones and oil field boundaries, as well as an evaluation of focal depths and focal mechanisms. The conclusions of that study have not been substantially modified by the additional data presented here. In summary, the earthquakes appear to occur in association with pre-Permian faults that bound the CBP on the west and east. The earthquakes occur largely at depths shallower than the crystalline basement. Some events appear to occur at depths where no faulting has been inferred, but

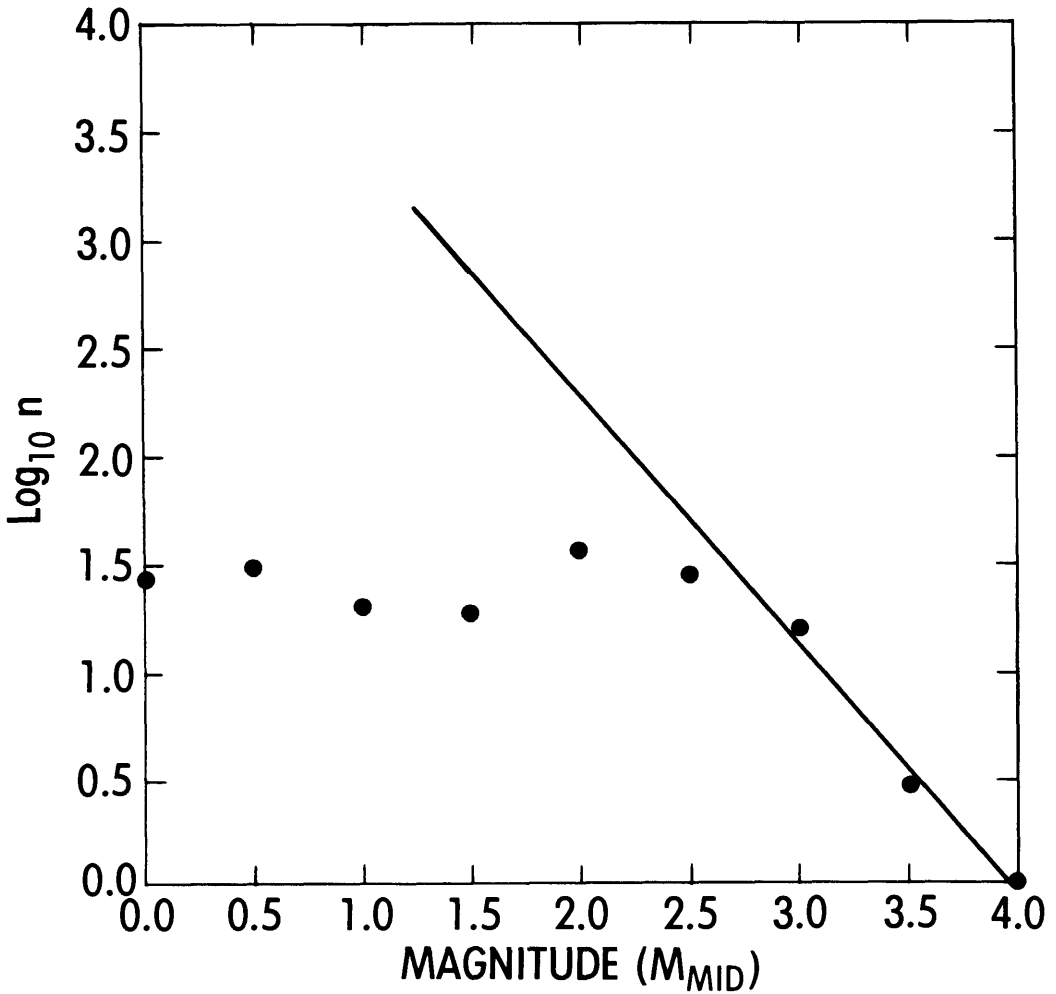


Figure 25. Interval frequency of occurrence for all earthquakes excluding the War-Wink swarm.

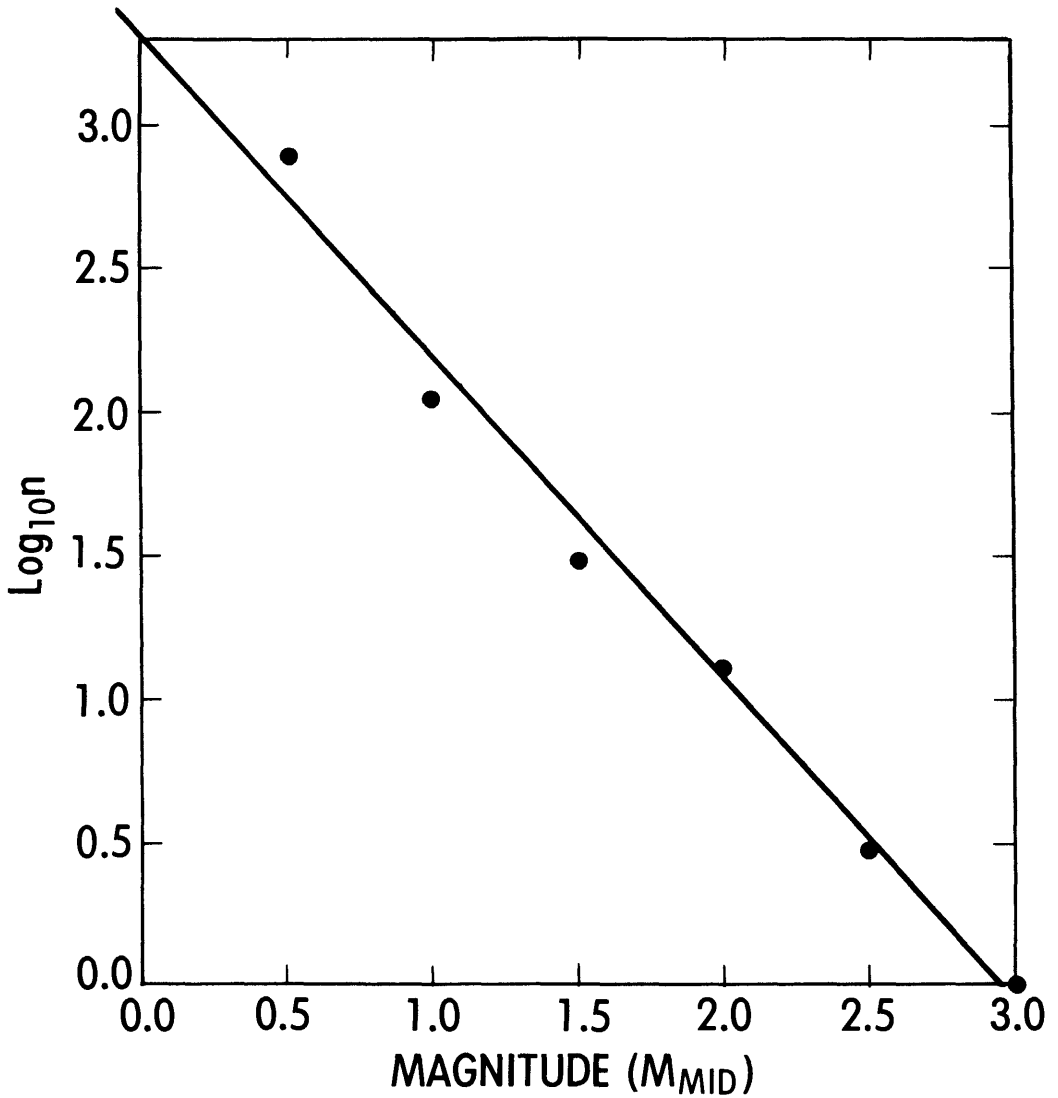


Figure 26. Interval frequency of occurrence for earthquakes in the War-Wink swarm.

the majority of earthquakes are located at oil-producing depths where secondary hydrocarbon recovery is employed; none of the best located events occur outside this zone if consideration is given to the standard errors in focal depth measurements.

A focal mechanism in addition to that shown by Rogers and Malkiel (1979) has been obtained using the swarm data of the War-Wink gas field. This solution, shown in Figure 27, indicates normal faulting on one of two possible nodel planes that both strike approximately WNW. Rogers and Malkiel (1979), in their Figure 5, show a major east-west striking fault in this region. This result lends support to their A and C focal mechanism solution for earthquakes occurring in the Keystone oil field area.

Five events occurred during the study which were felt (table 4). The first four felt earthquakes were located north-northeast of Kermit about 8 km. Three of these events occurred in January 1976, and one event occurred in April 1977. The last event in March 1978 was in a region of sporadic activity noted outside the network boundary about 40 km east of Monahans.

Although the time of the first earthquakes in the region is not known, the first felt event was in 1966, and there is no reason to suspect that earthquakes would not have been felt before that time. This time coincides with a rapid increase in the number of injection projects and the coincidental increase in the injection pressures that began in the early 1960's and peaked around 1968. These tentative correlations suggest a causal relation between the earthquakes and hydrocarbon production that could be related to increased fluid pressures along faults. The details of this argument are given by Rogers and Malkiel (1979).

All of the data used in this study are collected in the appendixes in several forms. Appendix I presents the earthquake epicenter location map

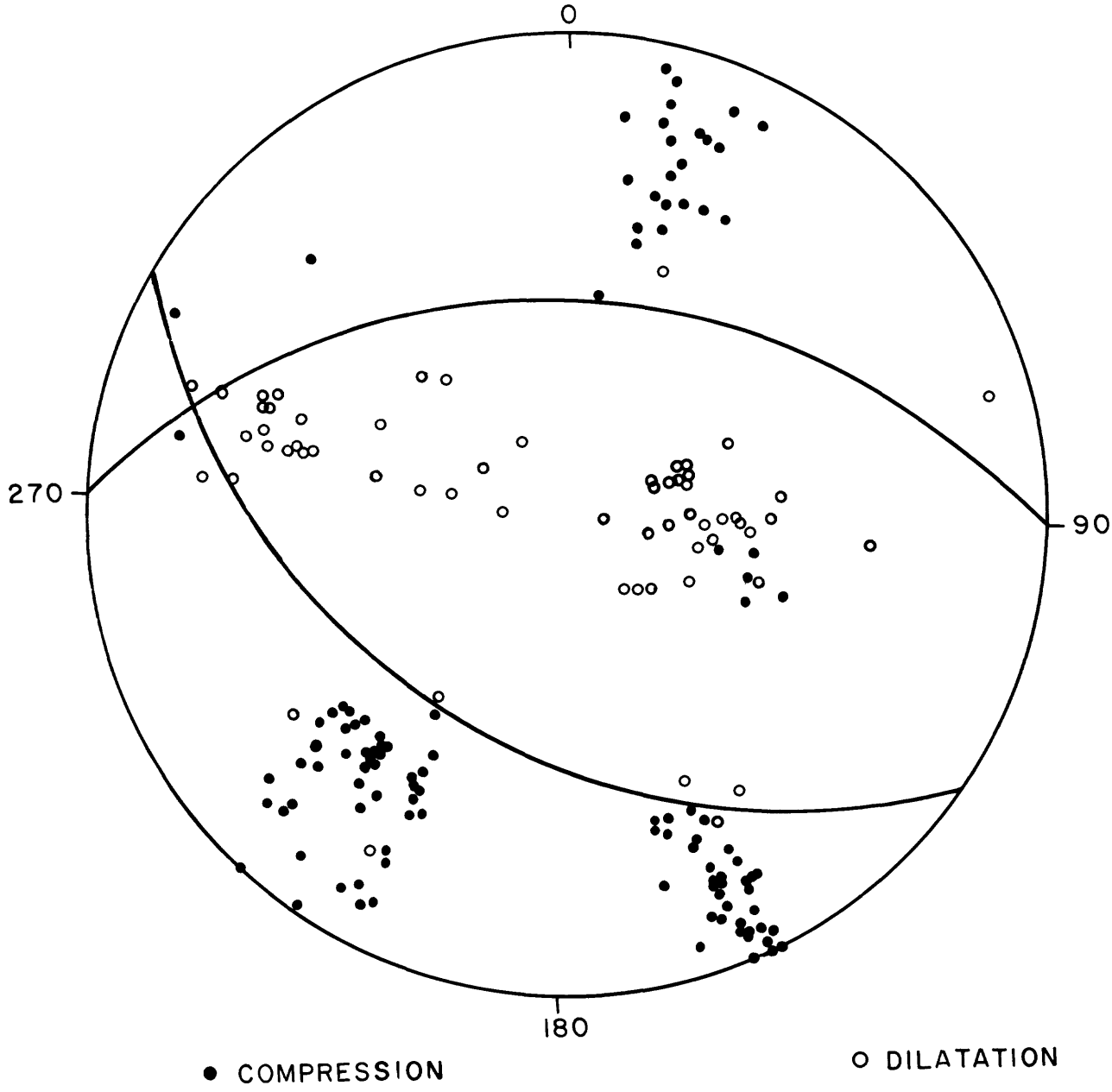


Figure 27. Composite focal mechanism for earthquakes in the War-Wink gas field.

Table 4.--All felt earthquakes in the region

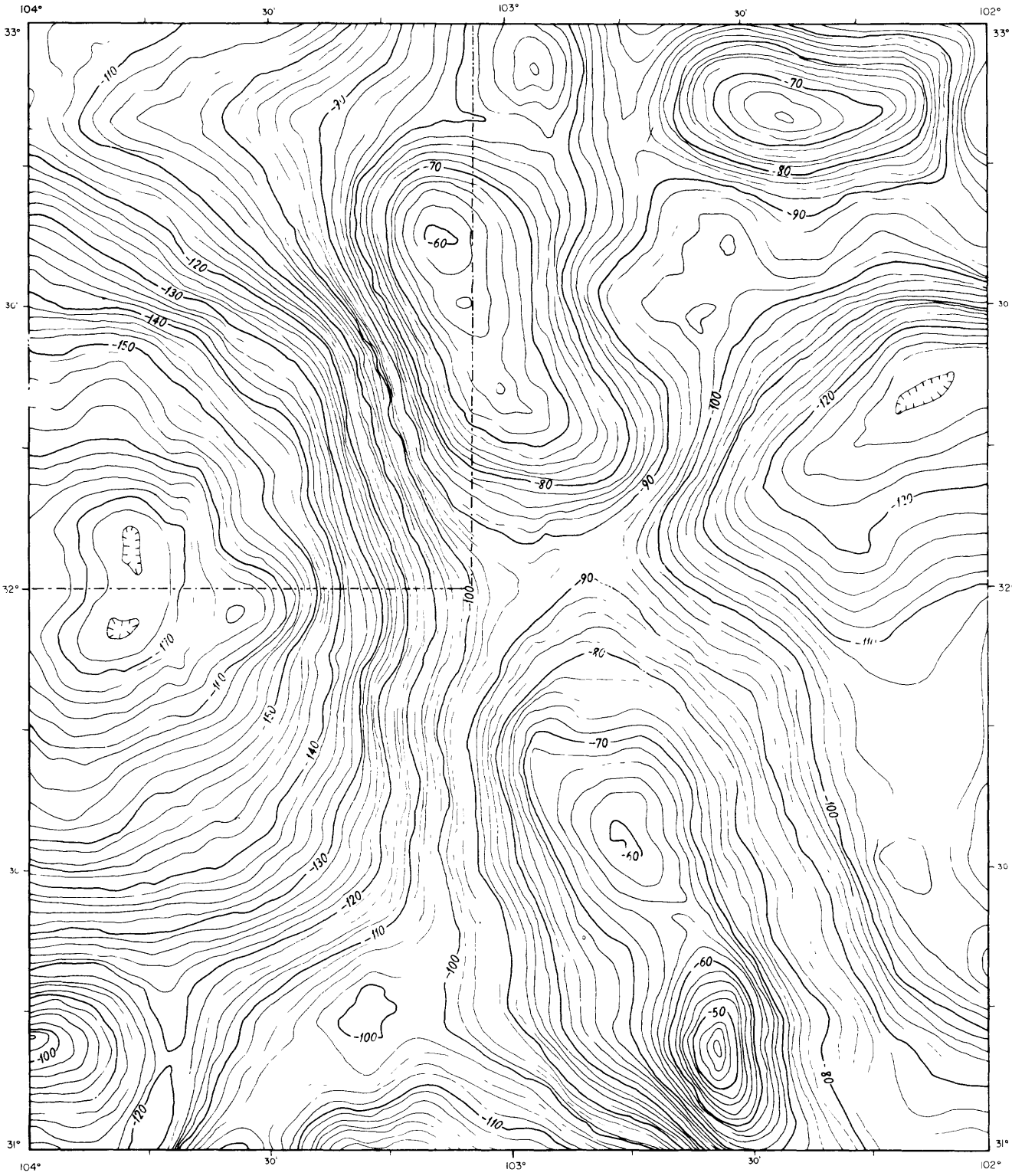
Date Mo/Day/Yr	Time (GMT)	Latitude	Longitude	M_{LD} 1/	M_L 2/	M_{CORR} 3/	Intensity (MM)
08/14/66	15:25:47	31.900	103.000	---	2.8	3.3	VI‡
01/19/76	04:03:30	31.905	103.074	3.5	2.4	3.2	IV§
01/22/76	07:21:57	31.902	103.075	2.8	2.0	2.5	III§
01/25/76	04:48:28	31.903	103.082	3.9	3.1	3.6	V§
04/26/77	09:03:07	31.902	103.083	3.1	2.6	2.8	IV*
03/02/78	10:04:54	31.758	102.557	3.6	---	3.3	III†

1/ Duration magnitude.
2/ Data from Sanford and others (1978).
3/ Data from Rogers and Malkiel (1979).
§ Intensity from Coffman and Stover (1978).
* Intensity from Coffman and Stover (1979).
† Intensity from Stover and others (1980).
‡ Intensity from von Hake and Cloud (1968).

plotted by month. Appendix II presents a tabulation of epicenter information, as well as, the date, first arrival-time to the nearest minute, and duration magnitudes of unlocated events. Appendix III presents the arrival times of phases used to locate the earthquakes, the durations used to compute duration magnitude, and the direction of first motion. Appendix IV presents monthly station operation logs.

REGIONAL GEOPHYSICAL STUDY

An integrated geophysical and geological analysis of the deep-seated structure in the area was undertaken. As part of this study, regional gravity (fig. 28) and magnetic (fig. 29) maps were constructed. These data were interpreted through computer modeling utilizing the abundant well data in the area. Densities were computed for groups of stratigraphic units which displayed regional consistency in density determined from compensated density logs (fig. 30). The results of the modeling (figs. 31 and 32) showed that, in addition to the sediments contained within the Delaware Basin, there is a major, upper-crustal mass excess associated with the Central Basin Platform. The preferred interpretation (fig. 31) would place a mafic mass beneath the Central Basin Platform, but the data can also be satisfied by adding low-density material beneath the Delaware Basin (fig. 32). In either case, these density variations could generate significant stresses at the Central Basin Platform-Delaware Basin boundary. These stresses could explain the seismicity observed in the area. The triggering of earthquakes here, however, is probably related to oil field activity (Shurbet, 1969; Rogers and Malkiel, 1979). A more detailed analysis of the regional geophysical data is provided by Djeddi (1979).



Bouguer Density 2.67 g/cc
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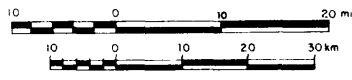

Figure 28.--Bouguer gravity map of a portion of the Permian Basin (Djeddi, 1979).

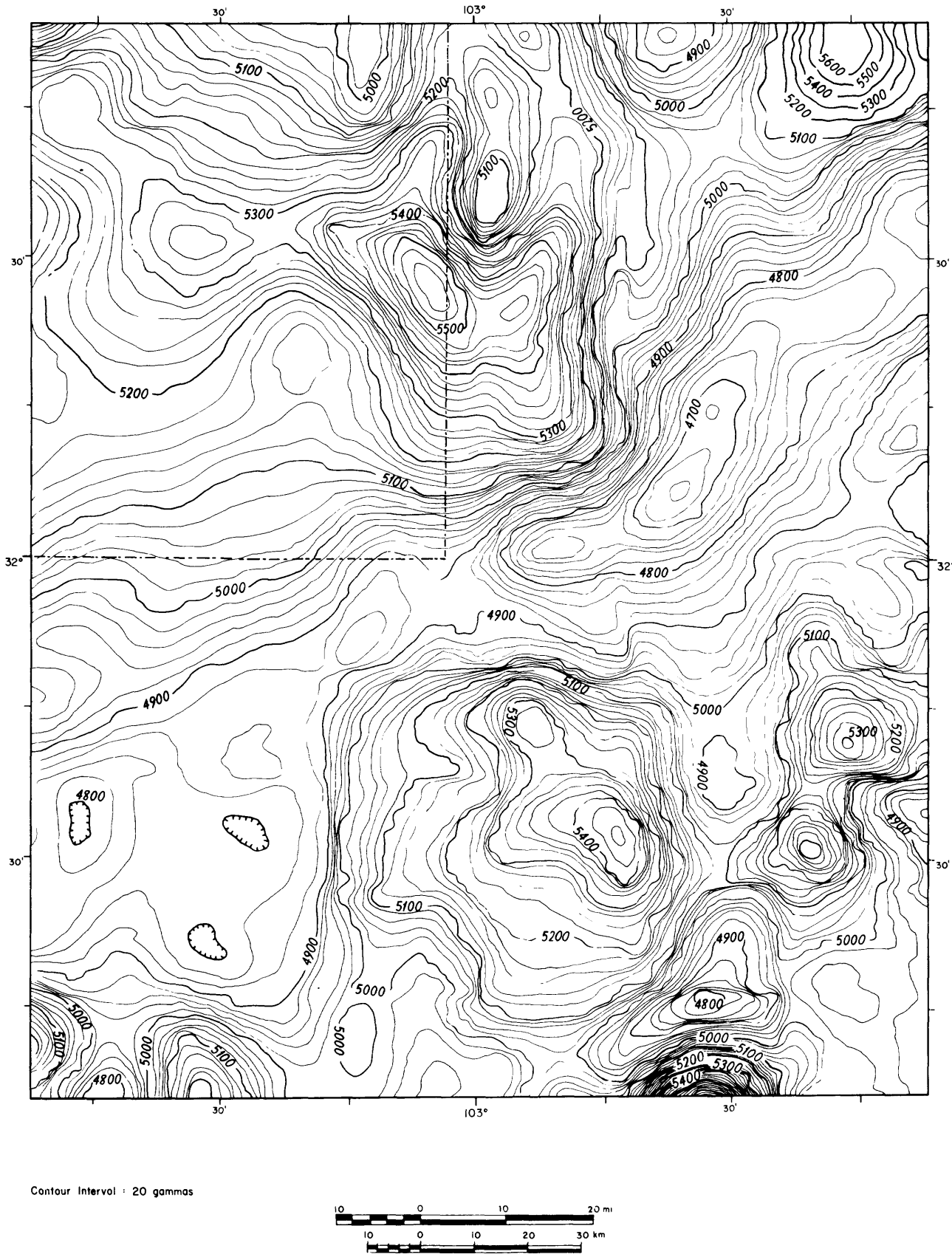

Figure 29.--Magnetic map of a portion of the Permian Basin (Djeddi, 1979).

System	Series	Delaware Basin Gr./Fm	Density Unit	Density Value	Central Basin Pltfm. Gr./Fm	Density Unit	Density Value
QUATERNARY	Holocene	Holocene Sand	VIII	2.55	Holocene Sand	VII	2.55
TERTIARY	Pliocene	Ogallala			Ogallala		
CRETACEOUS	Gulfian Comanchean						
JURASSIC	Absent						
TRIASSIC		Dockum			Dockum		
PERMIAN	Ochoa	Dewey Lake			Dewey Lake		
		Rustler			Rustler		
		Salado	VII	2.4	Salado	VI	2.77
		Castile	VI	2.77			
	Guadalupe	Bell Canyon (Delaware Mt.)	V	2.55	Artesia Gr.: Tansill	V	2.69
		Cherry Canyon (Delaware Mt.)			Artesia Gr.: Yates		
		Brushy Canyon (Delaware Mt.)			Artesia Gr.: Seven Rivers		
		Victoria Peak			Artesia Gr.: Queen		
					Artesia Gr.: Grayburg		
					San Andres		
					Glorieta Ss.		
	Leonard	Bone Spring Ls.			Yeso: Clear Fork	IV	2.73
					Yeso: Wichita-Abo		
	Wolfcamp	Wolfcamp	IV	2.58	Wolfcamp		
PENNSYLVANIAN	Virgil	Cisco	III	2.52		III	2.52
	Missouri	Canyon					
	Des Moines	Strawn			Strawn		
	Atoka	Atoka			Atoka		
	Morrow	Morrow			Morrow		
MISSISSIPPIAN	Chester	Barnett					
	Meramec	Mississippian Ls			Osage Meramec		
	Osage						
	Kinderhook				Kinderhook		
DEVONIAN	Upper Middle	Woodford			Woodford		
		Lower Devonian	II	2.70	Lower Devonian	II	2.70
SILURIAN	Middle	Silurian Sh. Fusselman			Silurian Sh. Fusselman		
ORDOVICIAN	Upper Middle	Montoya Simpson			Montoya Simpson		
	Lower	Ellenburger	I	2.81	Ellenburger	I	2.81
CAMBRIAN	Upper	Cambrian			Cambrian Ss.		
PRE-CAMBRIAN		Pre-Cambrian			Pre-Cambrian		

Figure 30. Generalized stratigraphic column of west Texas and southeastern New Mexico from T. S. Jones and H. M. Smith (1965) and J. M. Hills (1972).

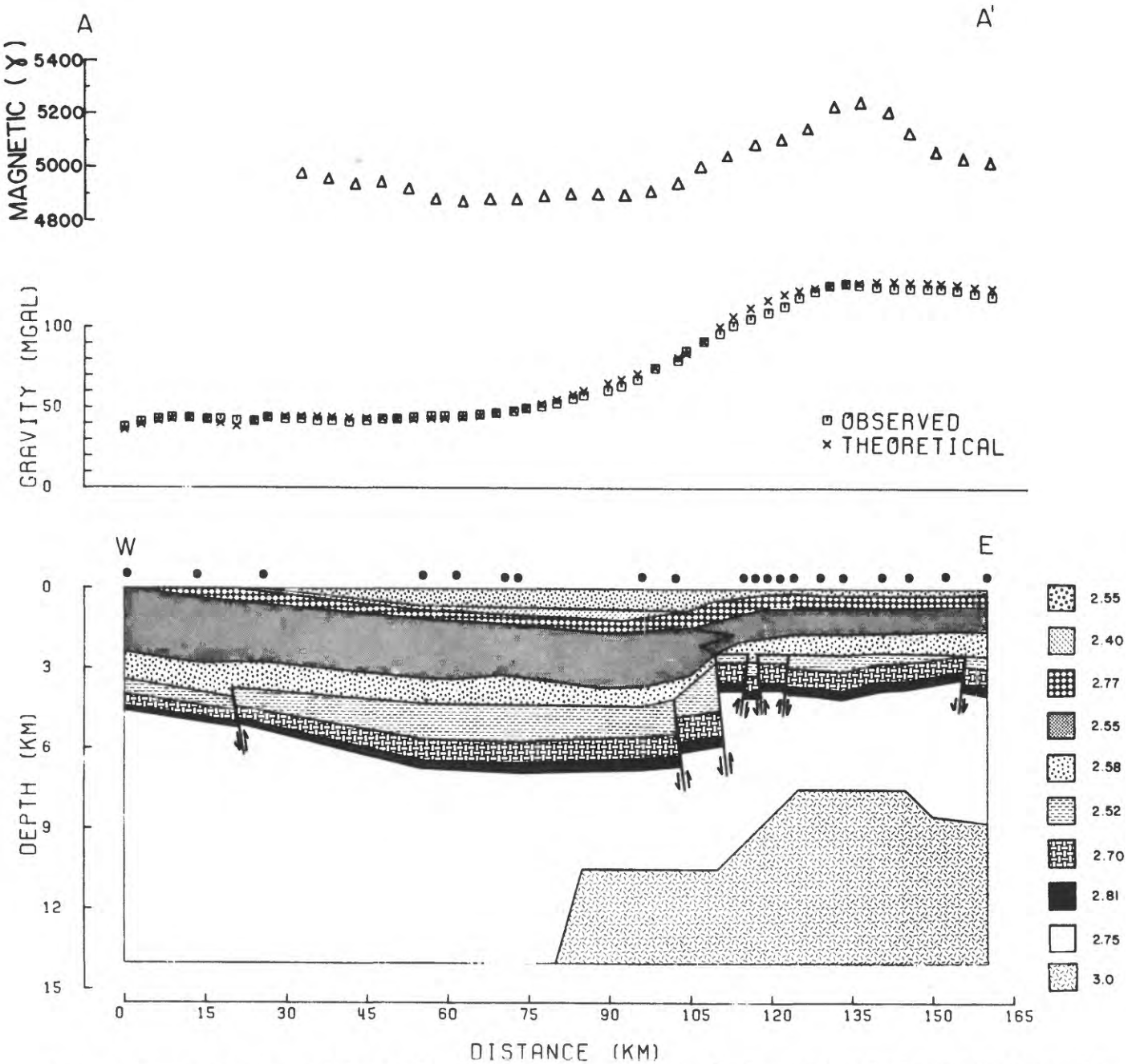

Figure 31.--Gravity profile A-A': Case 1: comparison of observed and theoretical gravity computed assuming the structure shown (Djeddi, 1979). Dots are the well locations.

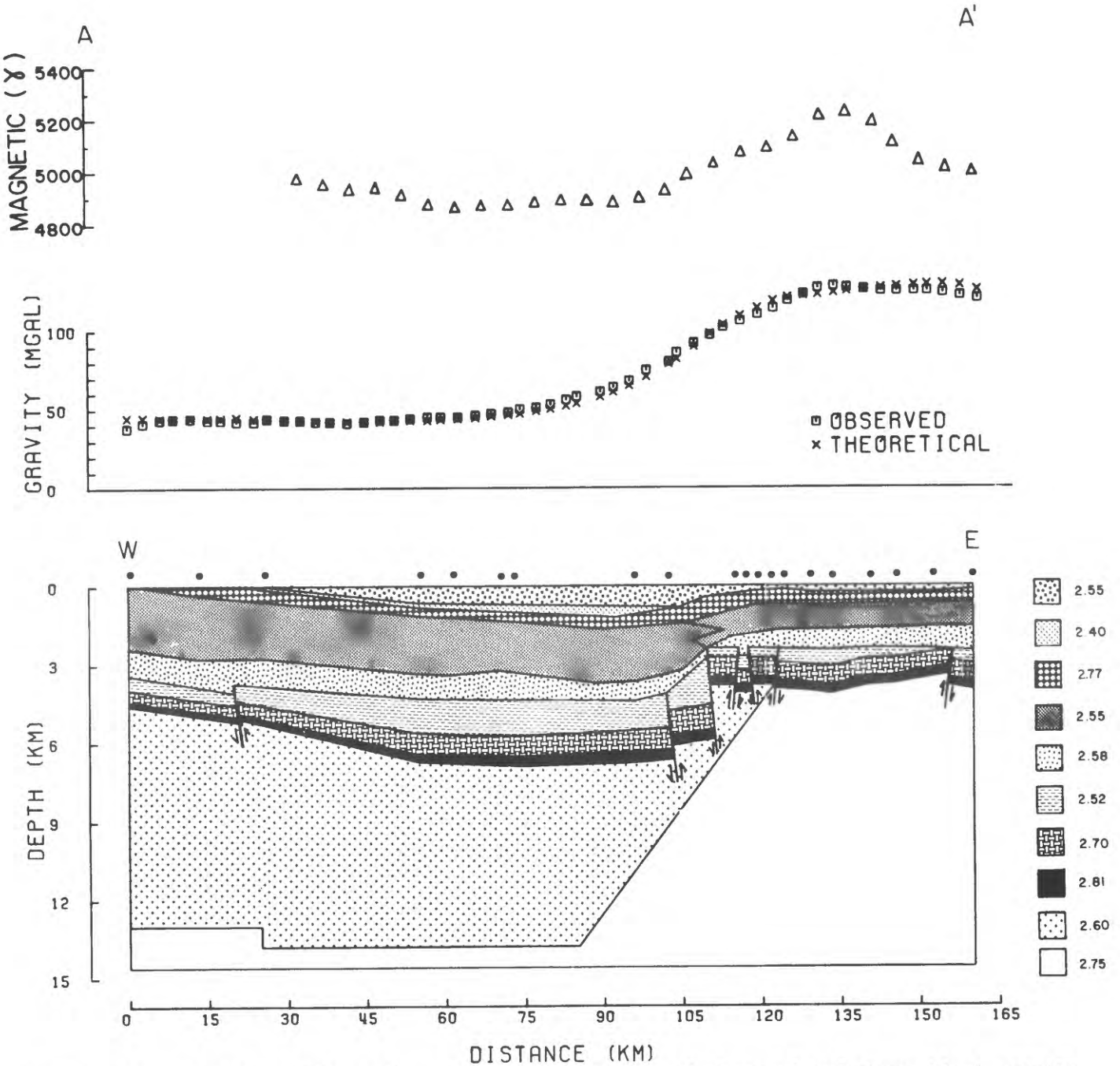

Figure 32.--Gravity profile A-A': Case 2: comparison of observed and theoretical gravity computed assuming the structure shown (Djeddi, 1979). Dots are the well locations.

SUMMARY

This report presents and summarizes all data that were collected during the operation of a 12-station seismograph network in the vicinity of Kermit, Texas, during the period December 1975 to September 1979. Detailed analyses of the data are given by Rogers and Malkiel (1979) and Djeddi (1979).

The results of this study have several implications relating to the seismic hazard at the WIPP facility. First, the widespread occurrence of small earthquakes within the seismic network area suggests that additional microearthquake studies in regions closer to the WIPP site are warranted to determine the shortest distance between the seismic zone and the facility. Second, the apparent relation between hydrocarbon production and earthquake occurrence indicates that the WIPP site probably should not be included in the same seismic source region as the CBP because the WIPP site is isolated from the major hydrocarbon producing zones. Third, the maximum magnitude of earthquakes in the active zone may be limited, if these earthquakes are in fact induced by secondary hydrocarbon recovery operations, because the spatial extent of artificial pressure increases is limited, and increases of more than 70 bars have resulted in earthquakes with magnitudes consistently less than 4.0.

ACKNOWLEDGMENTS

We would like to thank the landowners of the Kermit, Texas, area who allowed us to have access to their land for this study. T. Bice and E. D. Dobbs installed the array. A. Malkiel, W. D. Scherschel, and R. Johnson handled most of the technical aspects of the operation of the array during the last three years of its operation. A. Malkiel, R. J. Lund, C. D. Orr, and J. Oakes processed most of the data gathered. A. R. Sanford, D. H. Shurbet, D. Dumas, J. Dorman, D. W. Powers, and L. J. Barrows provided valuable data and advice.

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REFERENCES CITED

Coffman, J. L., and Stover, C. W., 1979, United States earthquakes, 1977: U.S. Department of Commerce, 81 p.

_____1978, United States earthquakes, 1976: U.S. Department of Commerce, 94 p.

Djeddi, R., 1979, An integrated geophysical and geological study of the deep structure and tectonics of the Permian Basin of West Texas and southeastern New Mexico: M.S. thesis, University of Texas at El Paso, 60 p.

Jones, T. S., and Smith, H. M., 1965, Relationship of oil composition and stratigraphy in the Permian Basin of west Texas and New Mexico: American Association of Petroleum Geologists Memoir 4, p. 104-224.

Hills, J. M., 1972, Late Paleozoic sedimentation in west Texas Permian Basin: American Association of Petroleum Geologists Bulletin 56, p. 2303-2322.

Lee, W. H. K., Eaton, M. S., and Brabb, E. E., 1971, The earthquake sequence near Danville, California, 1970: Seismological Society of America Bulletin, v. 61, p. 1771-1794.

Lee, W. H. K., and Lahr, J. C., 1972, HYPO71--A computer program for determining hypocenter, magnitude, and first motion pattern of local earthquakes: U.S. Geological Survey Open-File Report , 100 p.

Rogers, A. M., and Malkiel, A., 1979, A study of earthquakes in the Permian Basin of Texas-New Mexico: Seismological Society of America Bulletin, v. 69, p. 843-865.

Sanford, A. R., Sanford, S., Caravella, F., Merritt, L., Sheldon, J., and Ward, R., 1978, Seismic studies of the Los Medanos area in southeastern New Mexico: New Mexico Institute of Mining Technology, Geophysics Open-File Report 20, 39 p.

Sanford, A. R., and Toppozada, T. R., 1974, Seismicity of proposed radioactive waste disposal site in southeastern New Mexico: New Mexico Bureau of Mines and Mineral Resources, Circular 143, 15 p.

Shurbet, D. H., 1969, Increased seismicity in Texas: Texas Journal of Science, v. 21, p. 37-41.

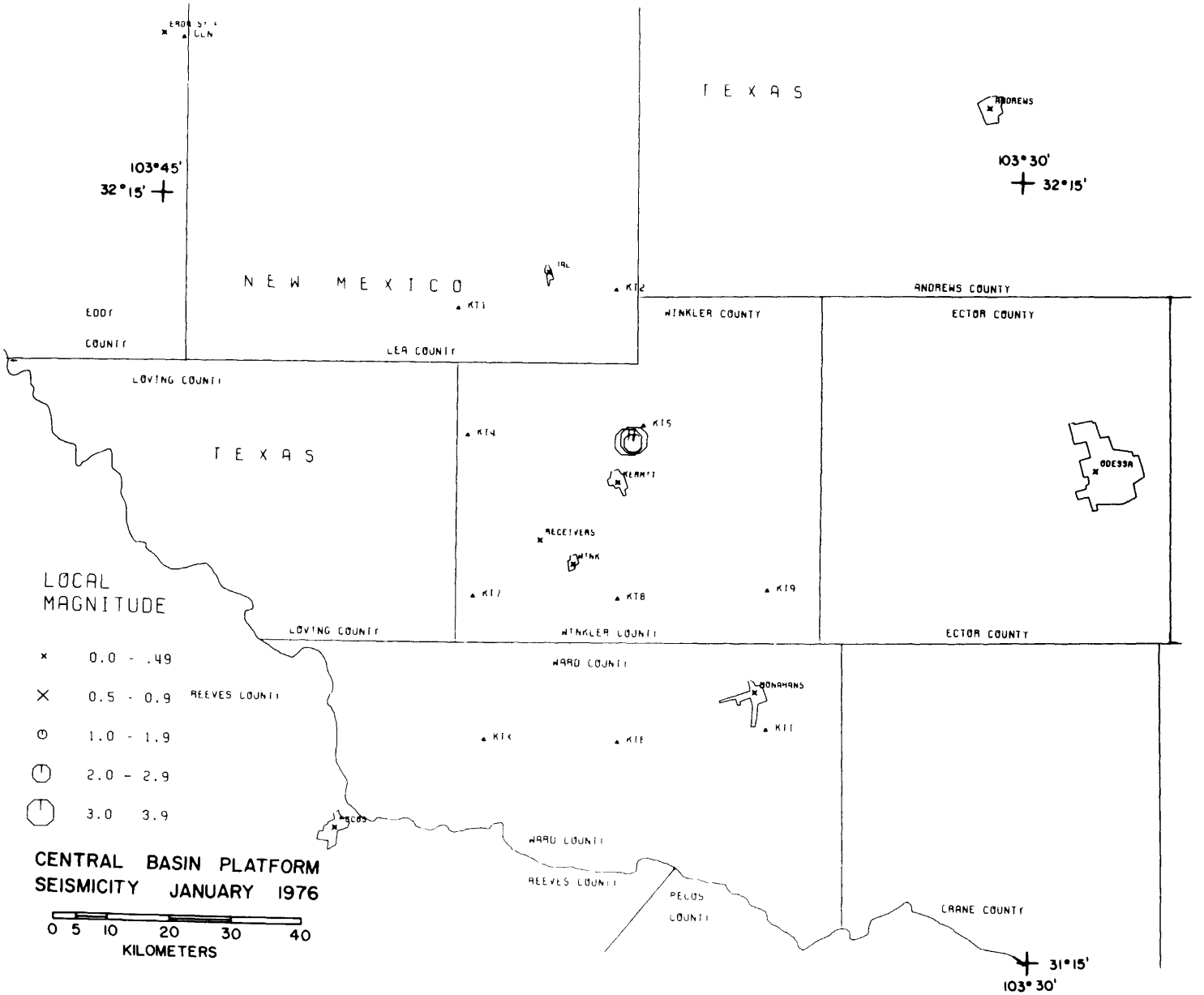
Stewart, L. W., and Pakiser, L. C., 1962, Crustal study in eastern New Mexico interpreted from the Gnome explosion: Seismological Society of America Bulletin, v. 52, p. 1017-1030.

Stover, C. W., Minsch, J. H., and Reagor, B. G., 1980, United States earthquakes, January-March 1978: U.S. Geological Survey Circular 819-A, 27 p.

von Hake, C. A., and Cloud, W. K., 1968, United States earthquakes, 1966: U.S. Coast and Geodetic Survey, Washington, D.C., 110 p.

APPENDIX I

The overall activity within a given month is displayed in the figures presented in this appendix. These figures are intended to be used as a quick source of information for any given month. These plots provide a resume of that month, giving not only epicenter locations, but also an indication of the network geometry. This appendix can be used best, however, by incorporating the information given in the other appendices. The location of the radio receivers is indicated by the circled "x" and the word "receivers." The data were linked into a telephone line at this location. The circled "x" also marks the location of town centers and the ERDA site (the Waste Isolation Pilot Plant).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KT7
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ODESSA
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WINKLER COUNTY
ECTOR COUNTY
WARD COUNTY
MONAHANS
KT11
REEVES COUNTY
WARD COUNTY
REEVES COUNTY
PECOS COUNTY
CRANE COUNTY
31°15'
103°30'
LOCAL MAGNITUDE
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3.0 3.9
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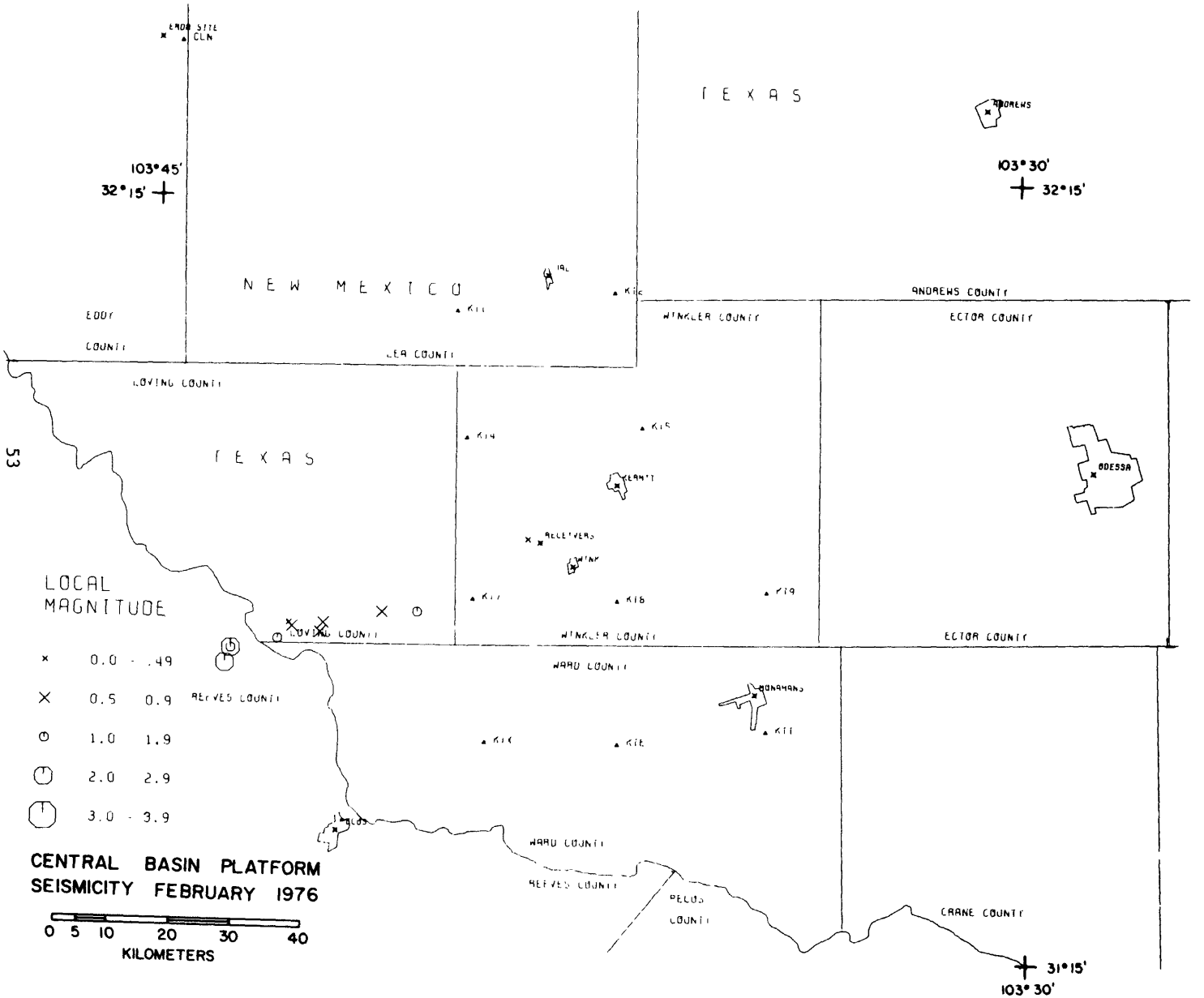
KILOMETERS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LOCAL MAGNITUDE
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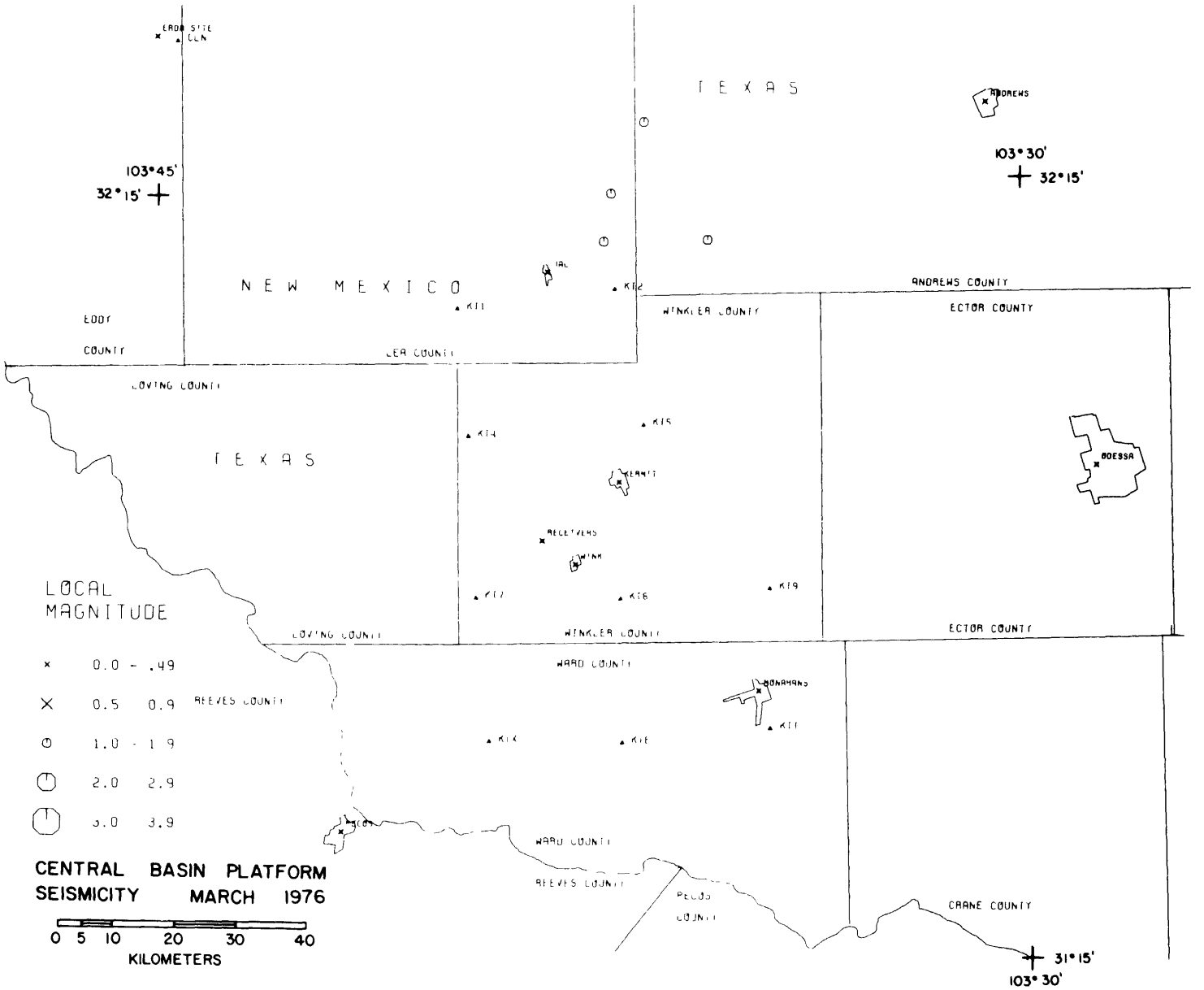
KILOMETERS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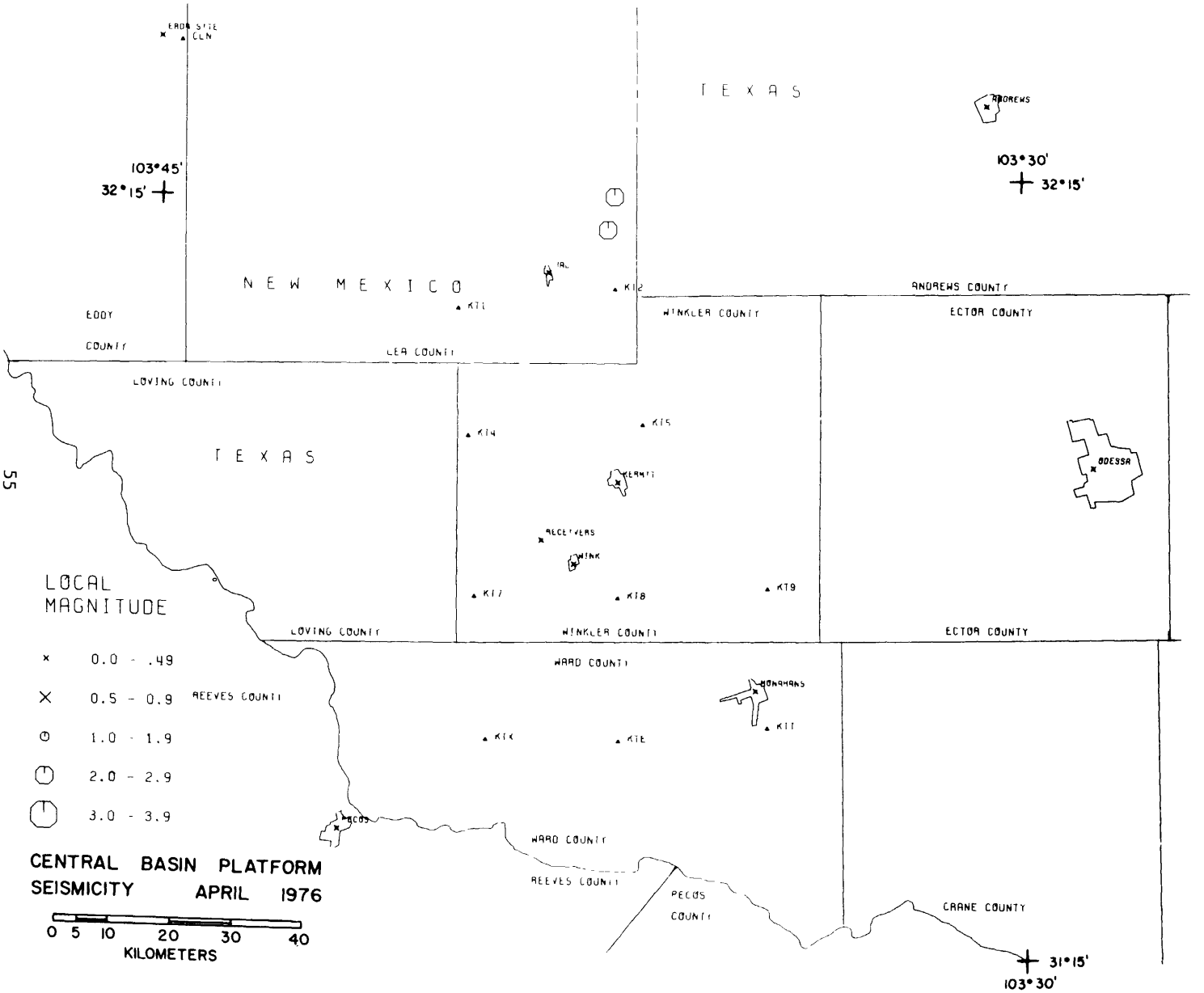
KILOMETERS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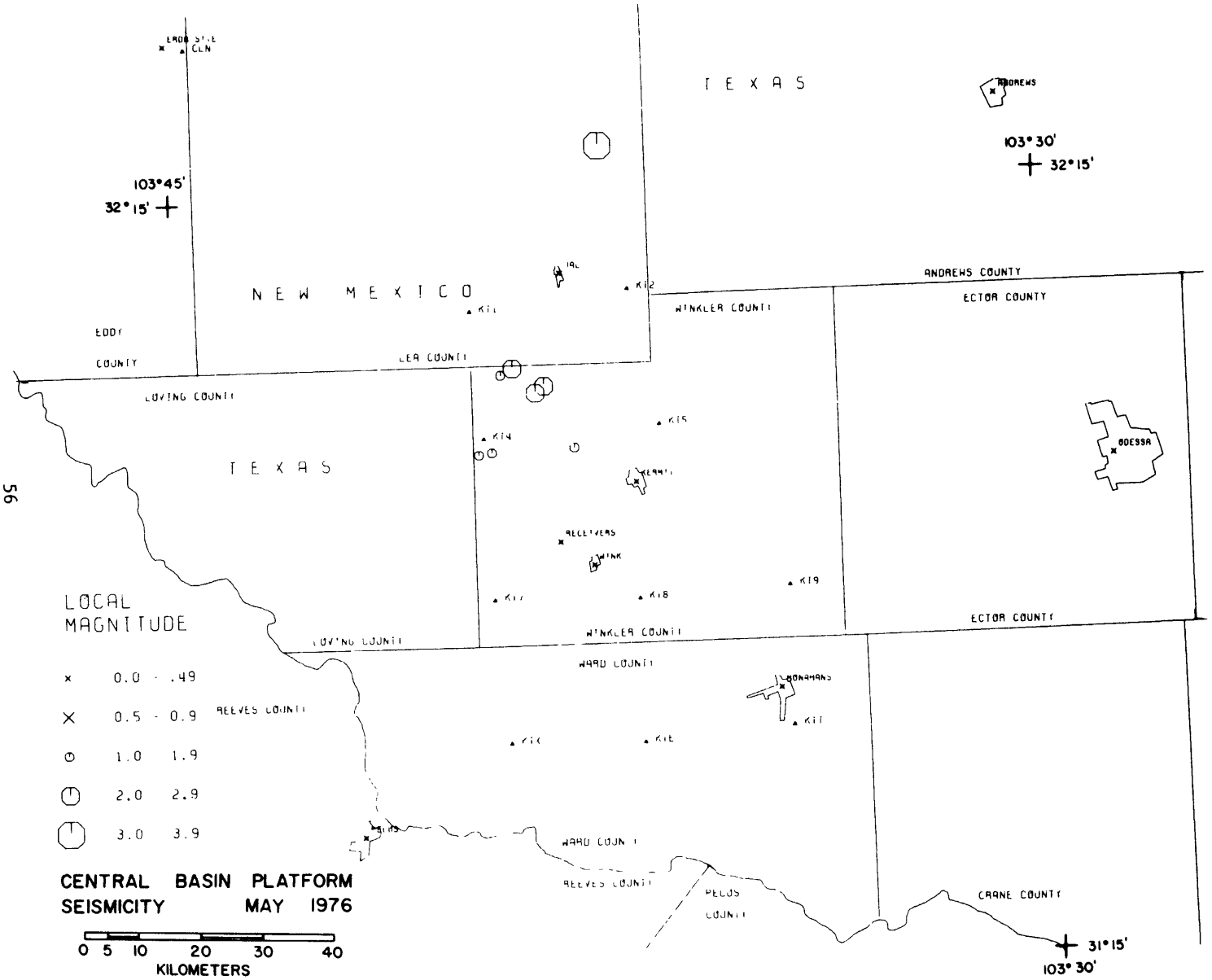
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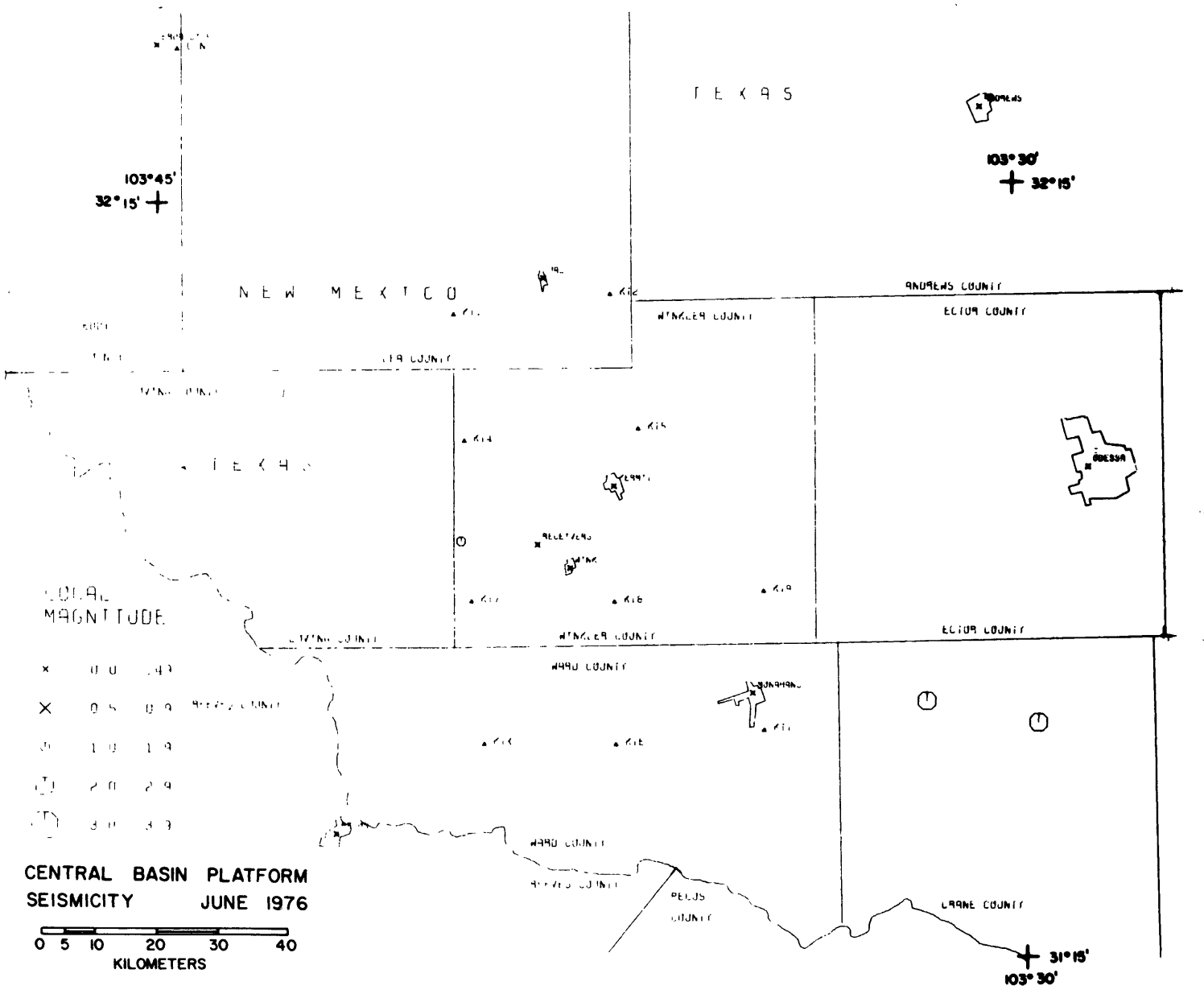
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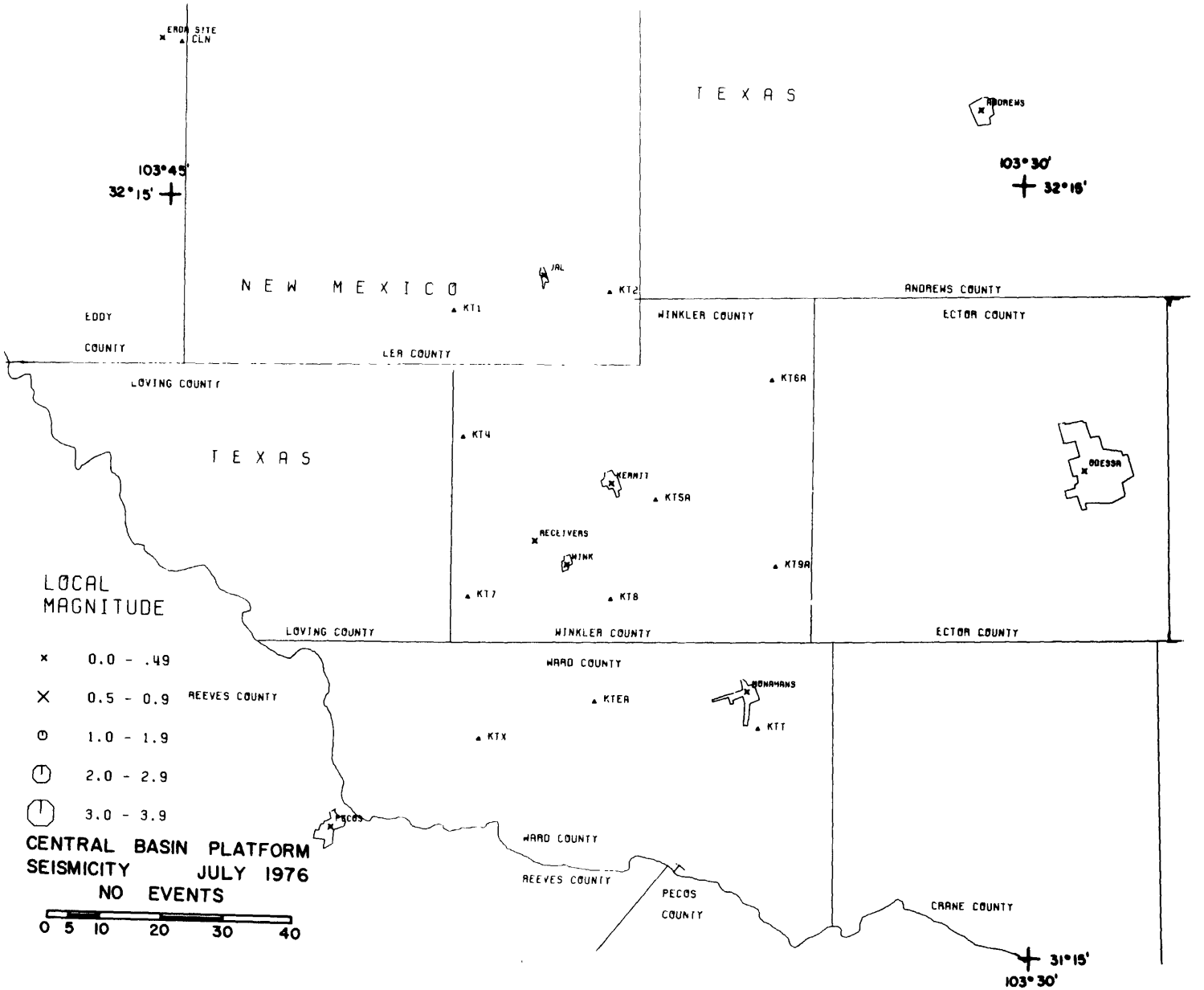
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RECEIVERS
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KTEA
BONAMANS
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WARD COUNTY
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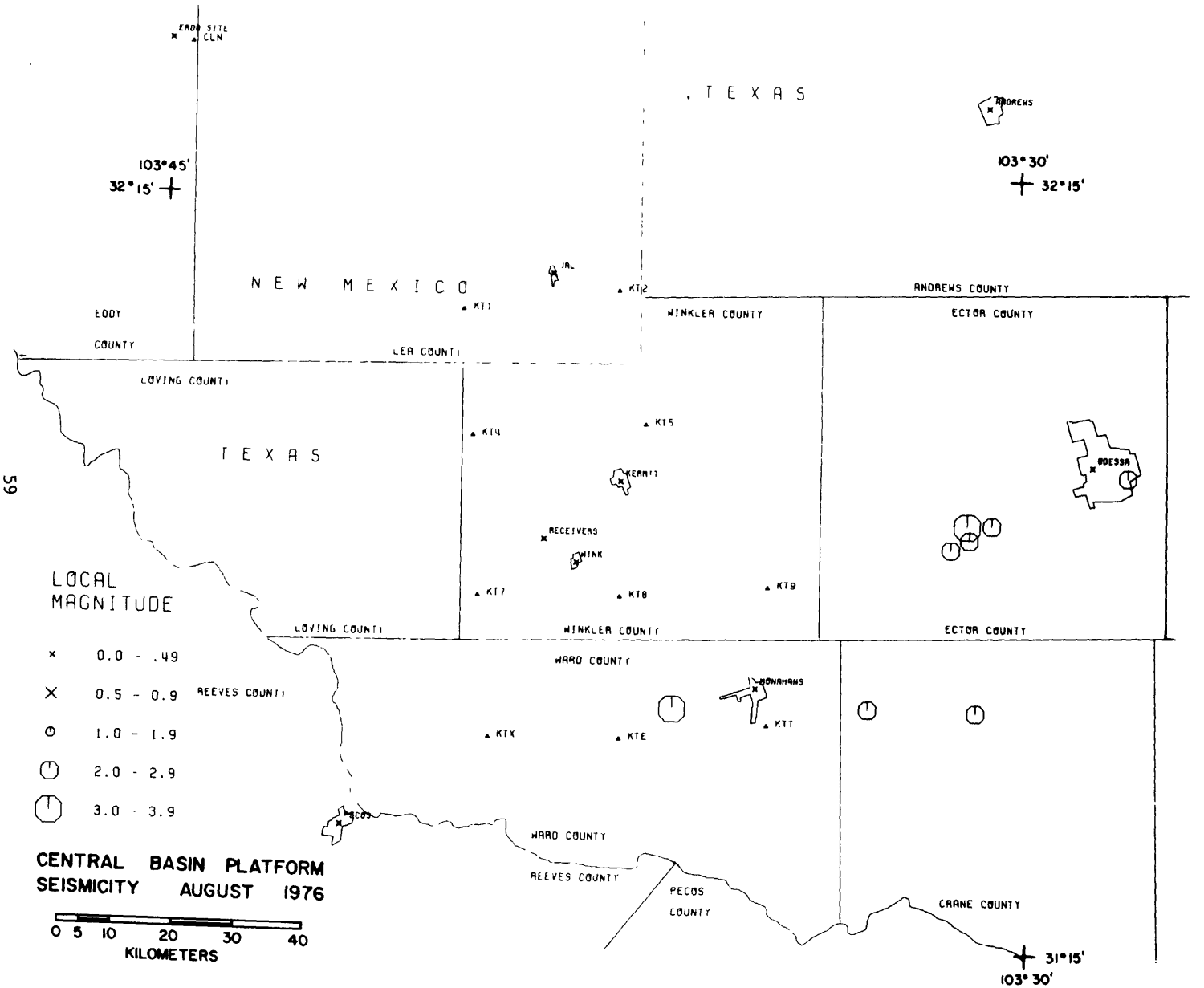

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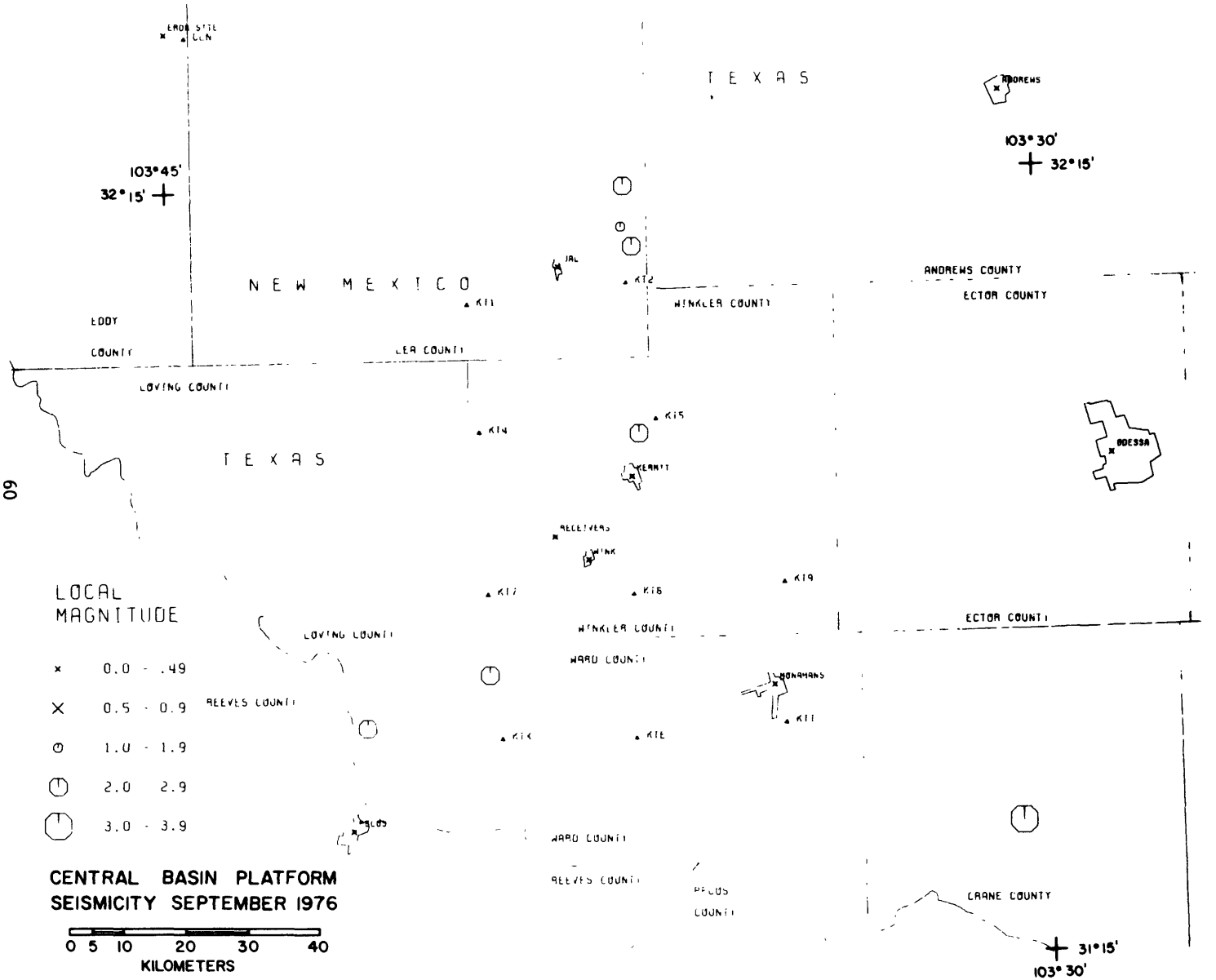

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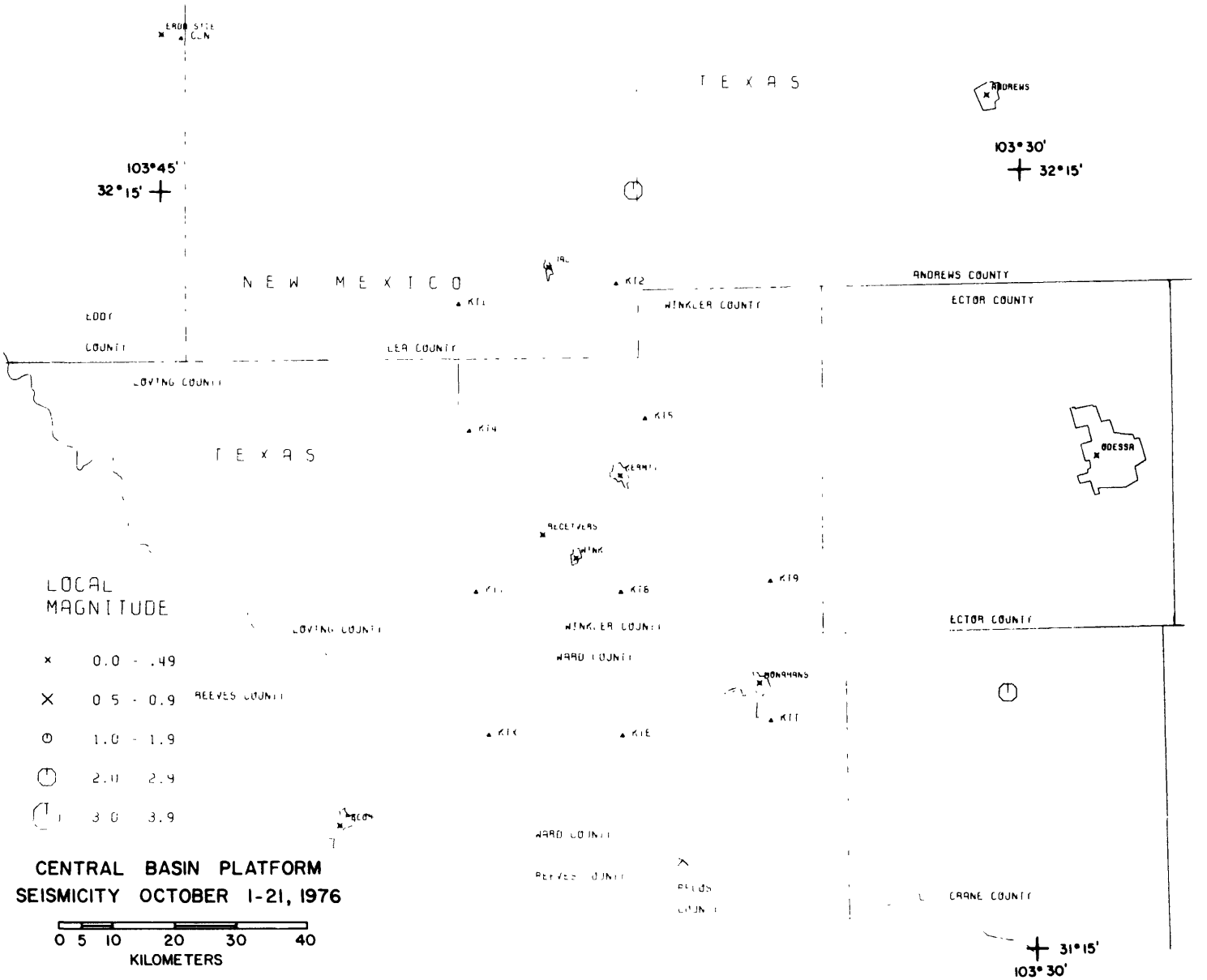

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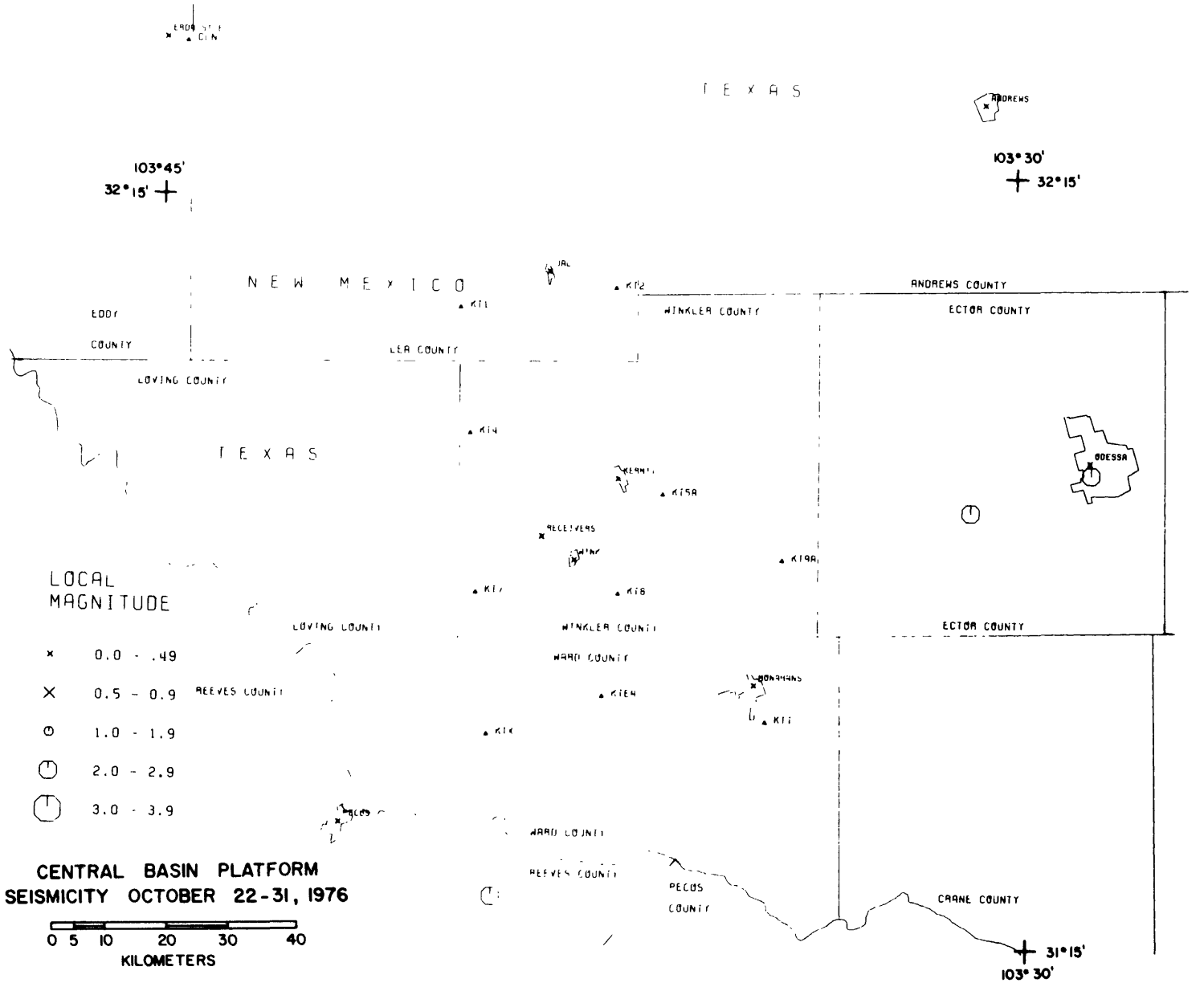

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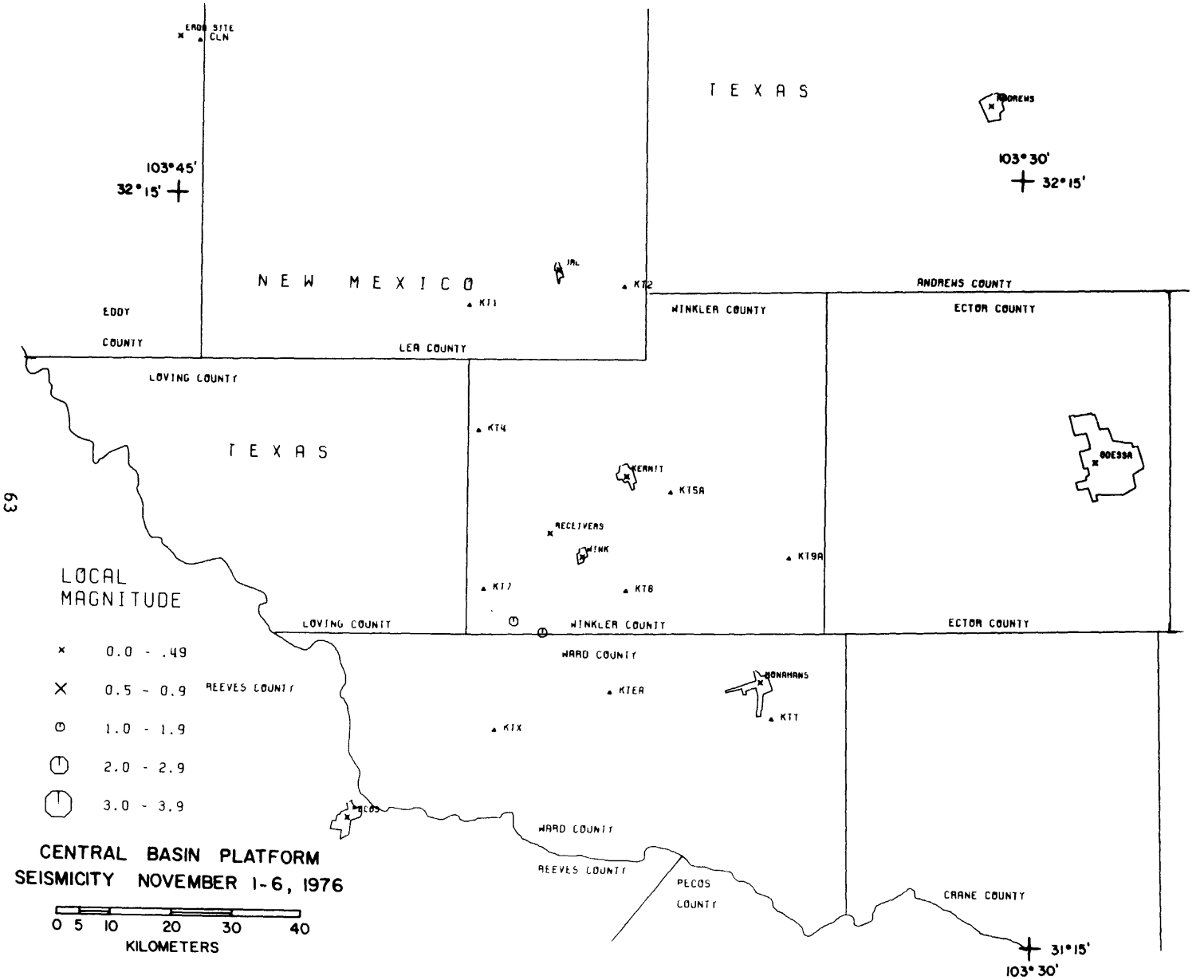

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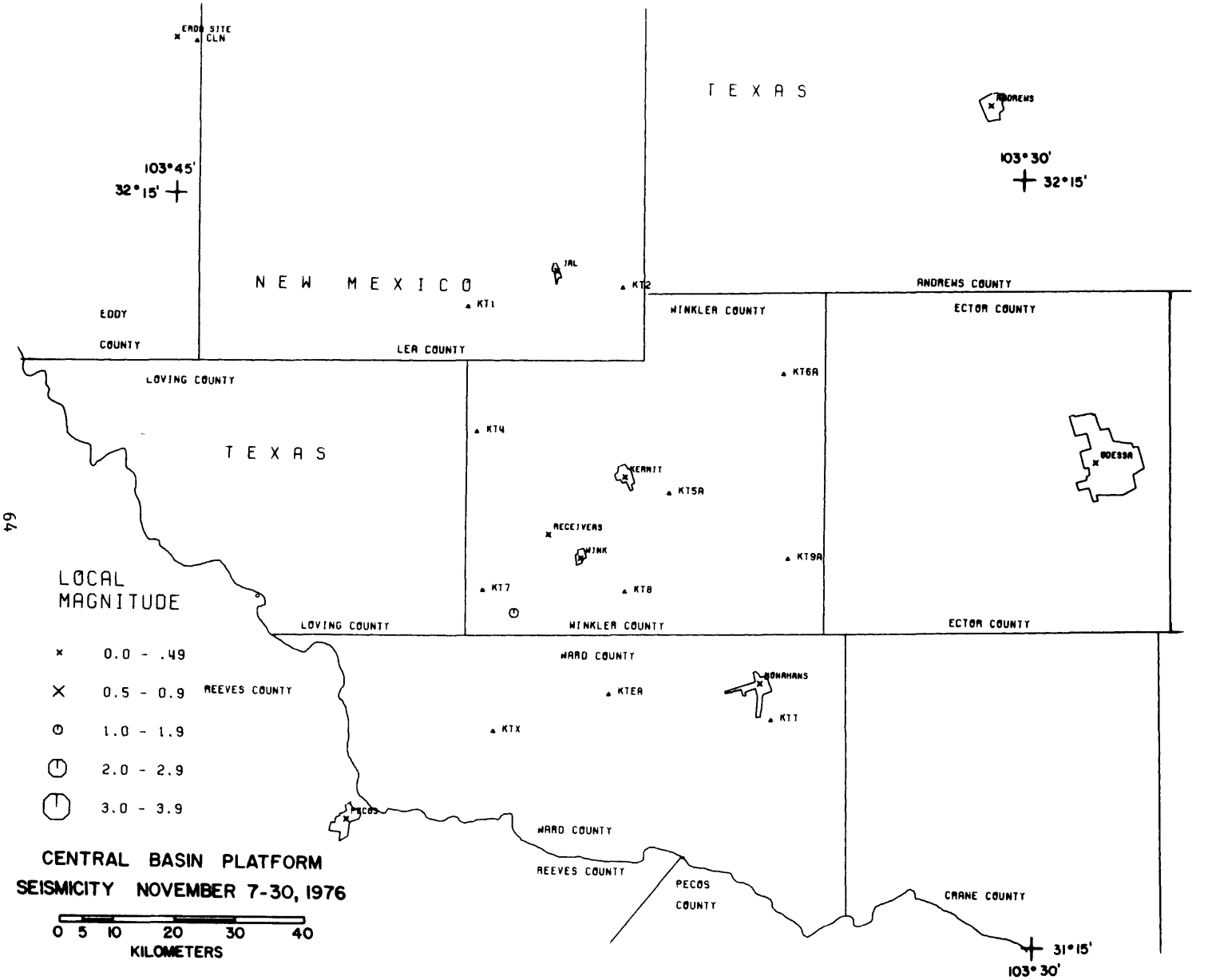
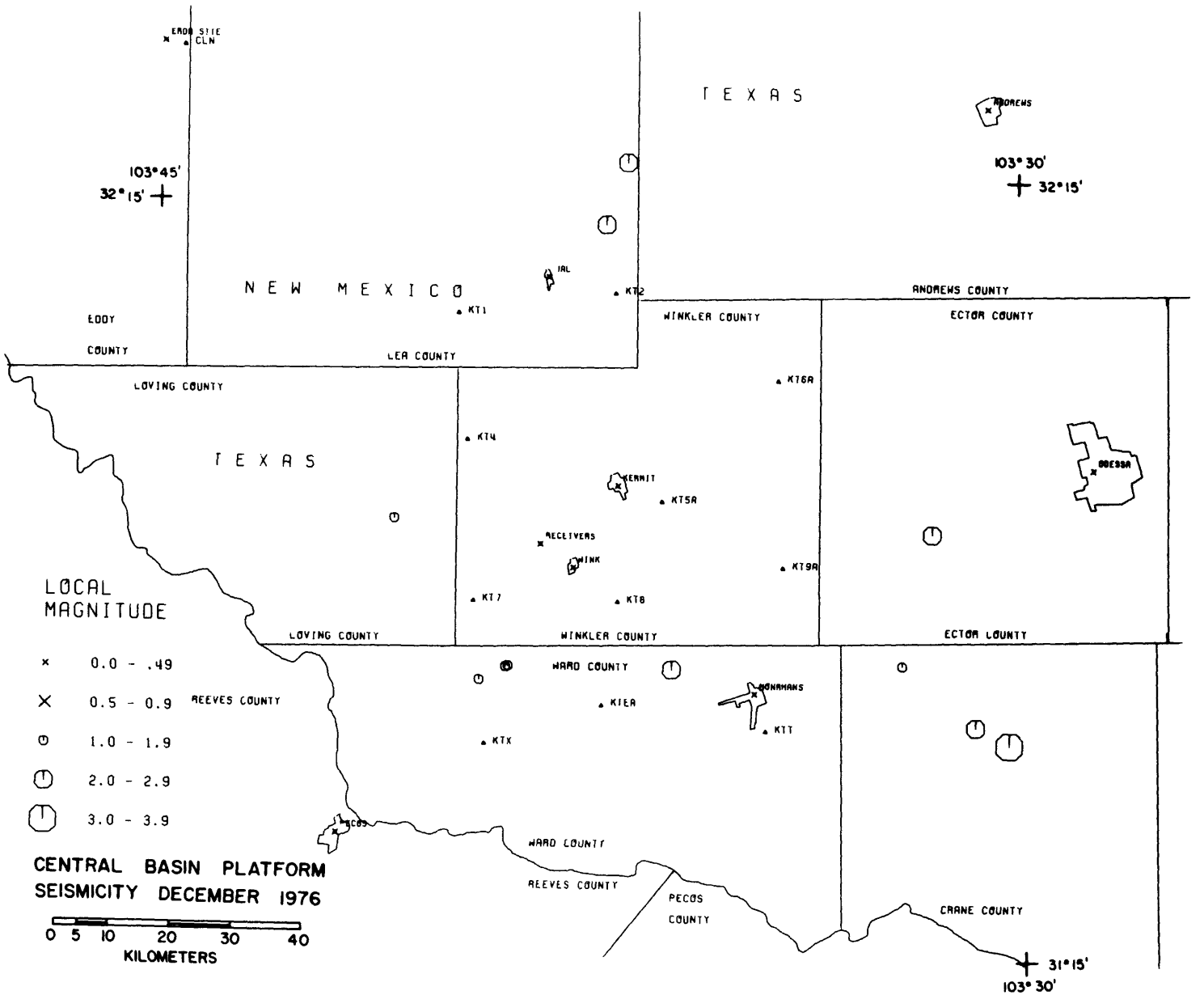


CENTRAL BASIN PLATFORM
SEISMICITY NOVEMBER 7-30, 1976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CRANE COUNTY
ANDREWS
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KERMIT
WINK
RECEIVERS
JAL
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KT5A
KT6A
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KT9A
KTX
KTEA
KTT
103°45'
32°15'
103°30'
32°15'
31°15'
103°30'
LOCAL MAGNITUDE
0.0 - .49
0.5 - 0.9
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CENTRAL BASIN PLATFORM
SEISMICITY DECEMBER 1976
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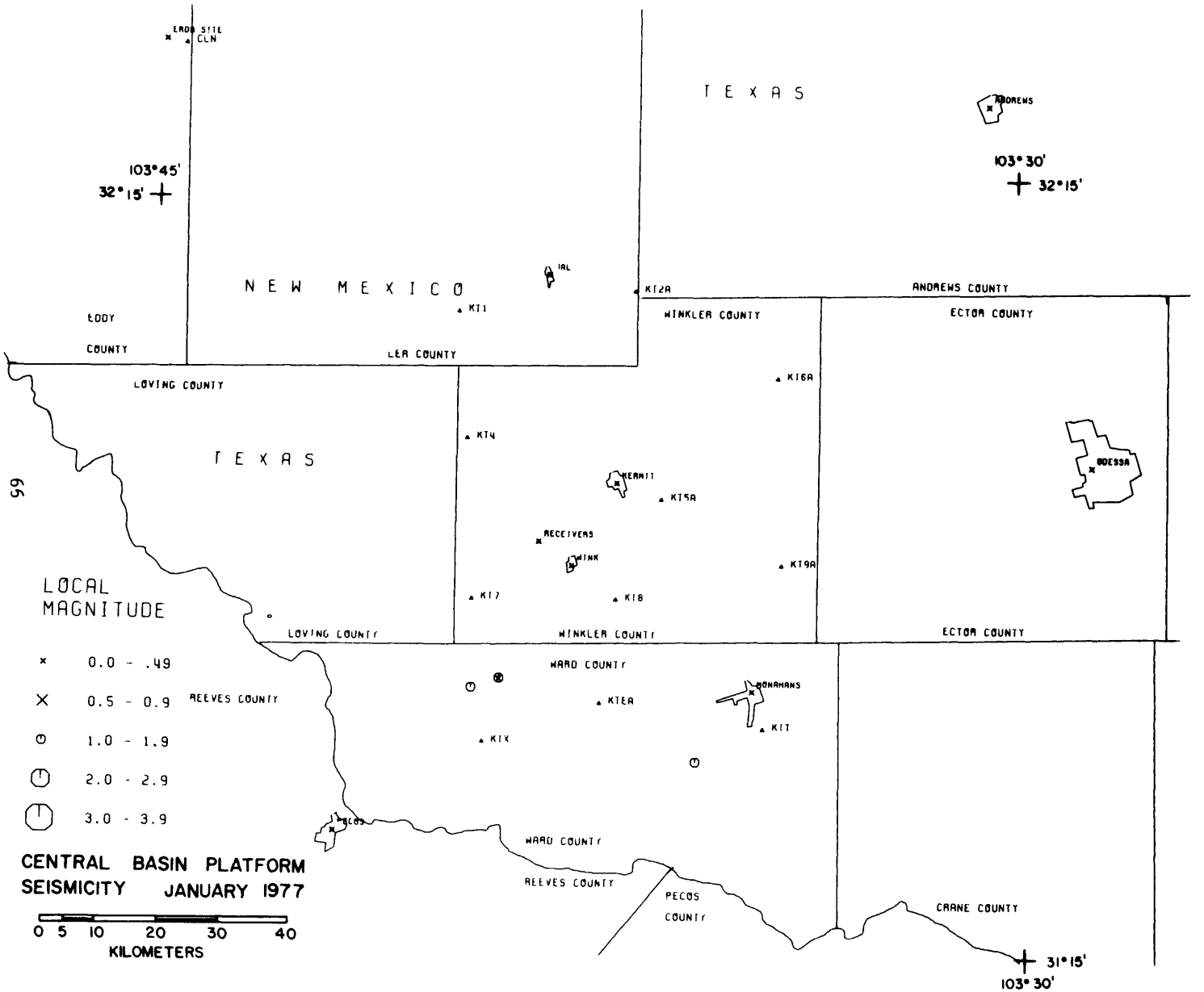
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WINKLER COUNTY
ECTOR COUNTY
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COUNTY
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KT9A
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WINKLER COUNTY
ECTOR COUNTY
WARD COUNTY
BONAMANS
KT6A
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KT11
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REEVES COUNTY
PECOS
COUNTY
CRANE COUNTY
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MAGNITUDE
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CENTRAL BASIN PLATFORM
SEISMICITY JANUARY 1977
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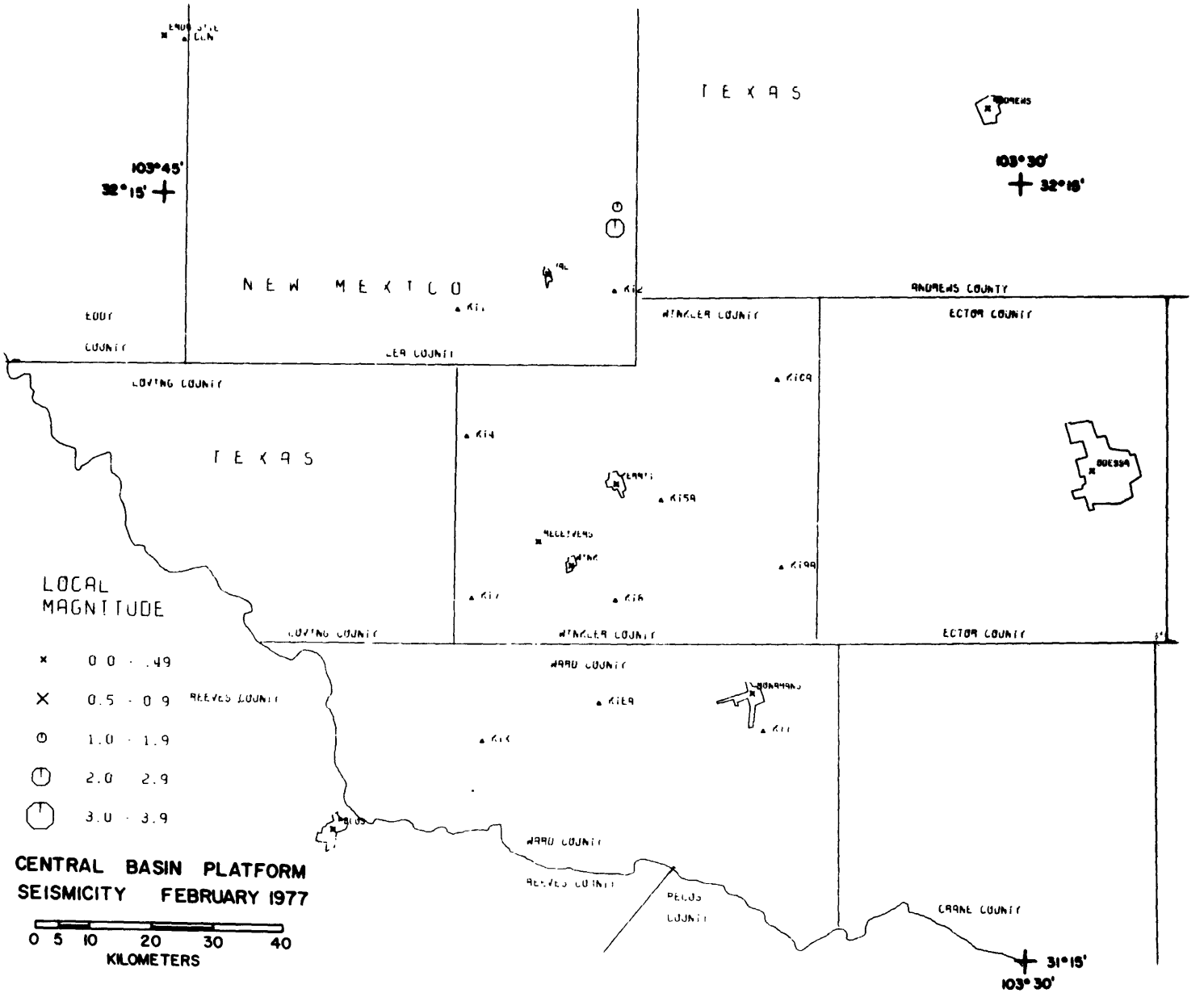
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ECTOR COUNTY
WARD COUNTY
REEVES COUNTY
WARD COUNTY
REEVES COUNTY
PECOS COUNTY
CRANE COUNTY
ODESSA
LOCAL MAGNITUDE
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CENTRAL BASIN PLATFORM
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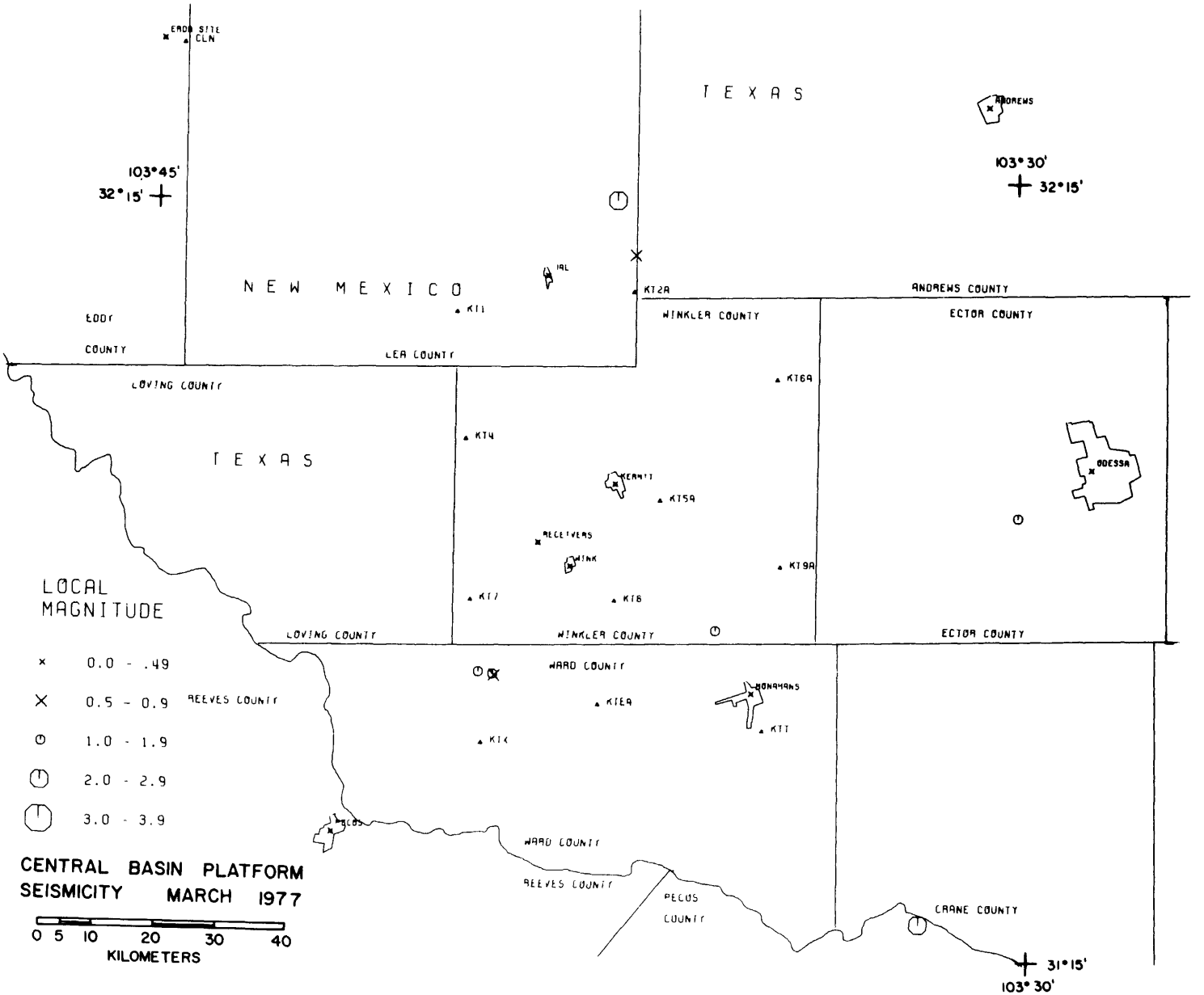

TEXAS
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RECEIVERS
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MONAHANS
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103°30'
LOCAL MAGNITUDE
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CENTRAL BASIN PLATFORM
SEISMICITY MARCH 1977
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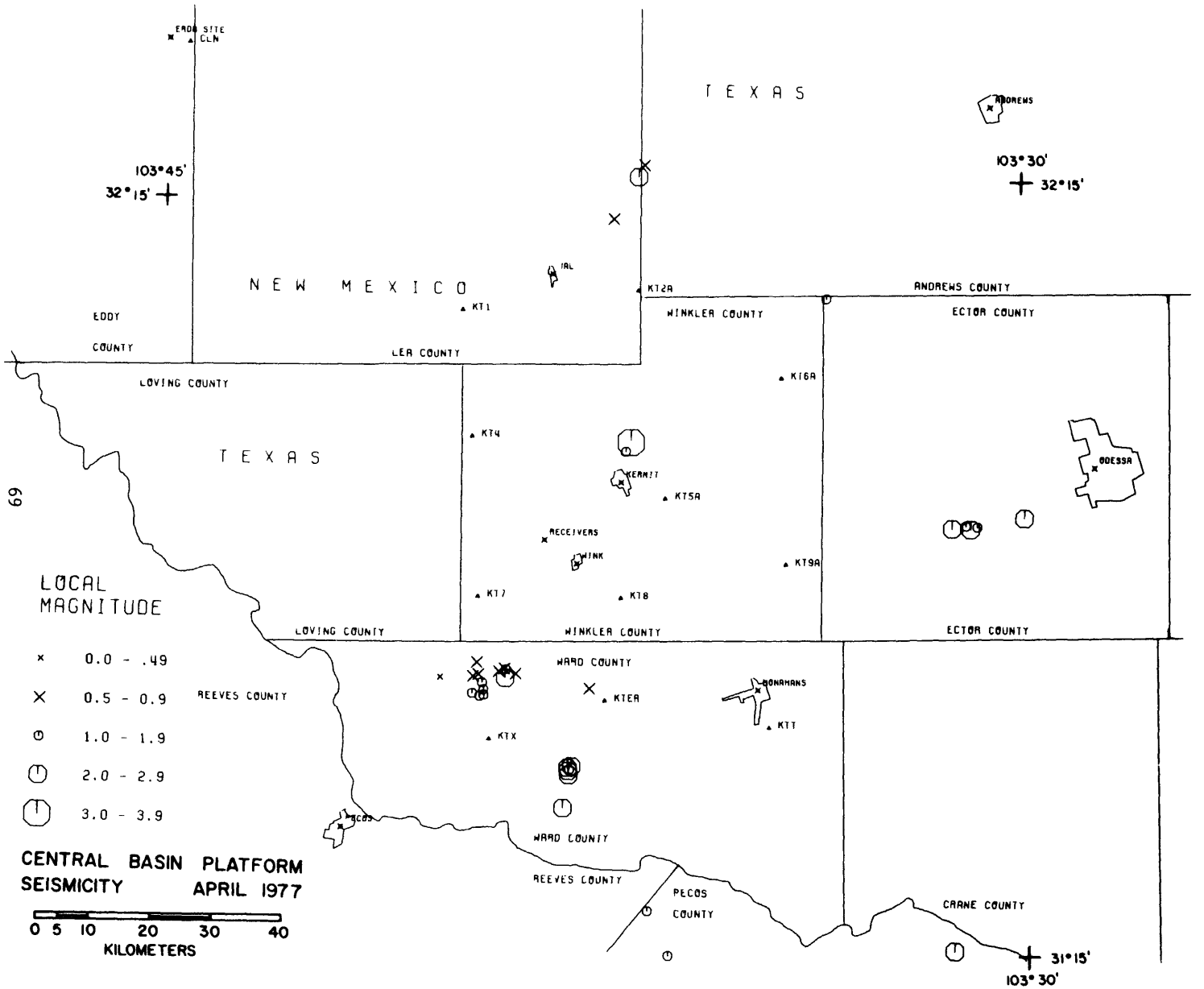
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LOCAL MAGNITUDE
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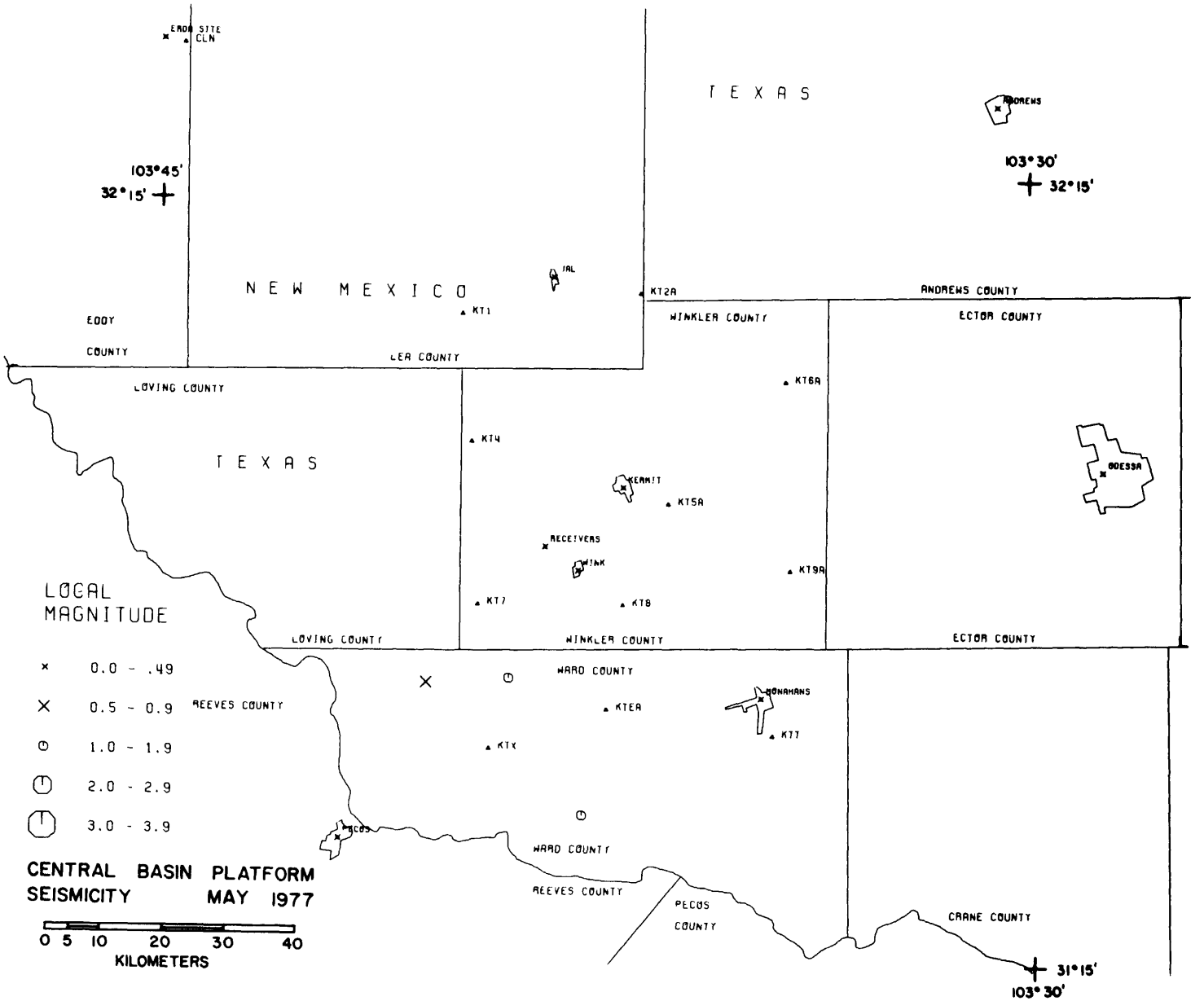
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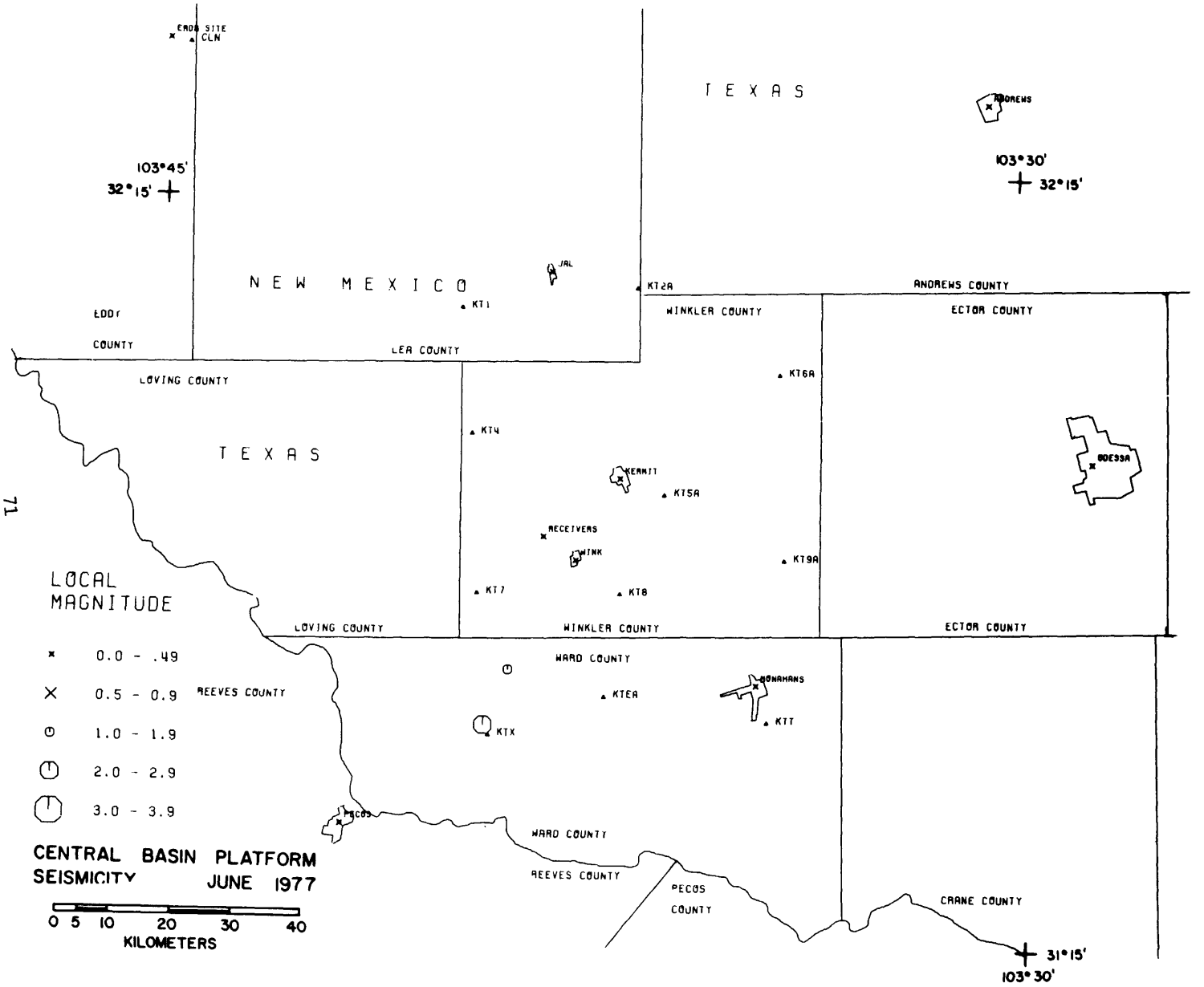
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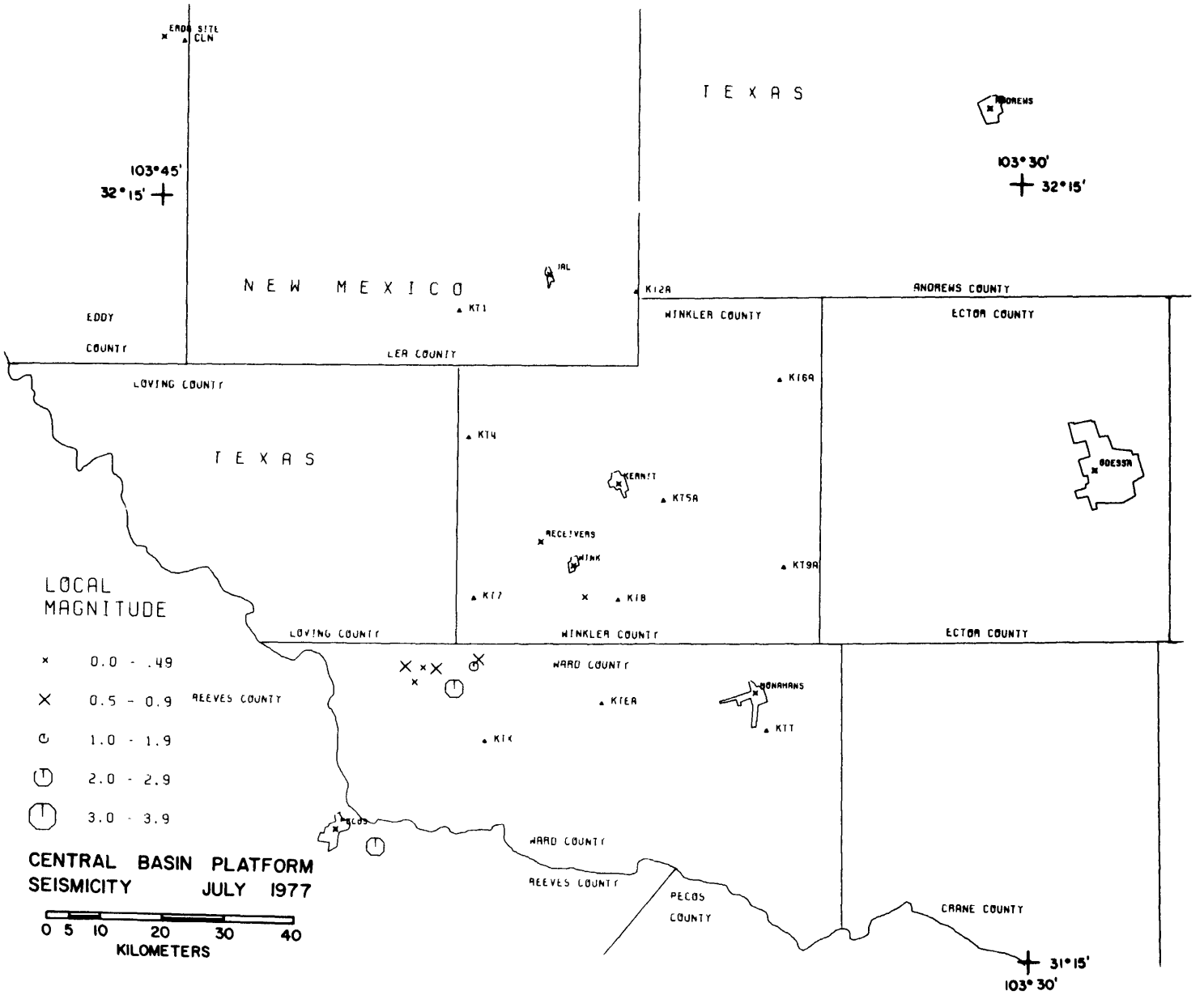

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WINKLER COUNTY
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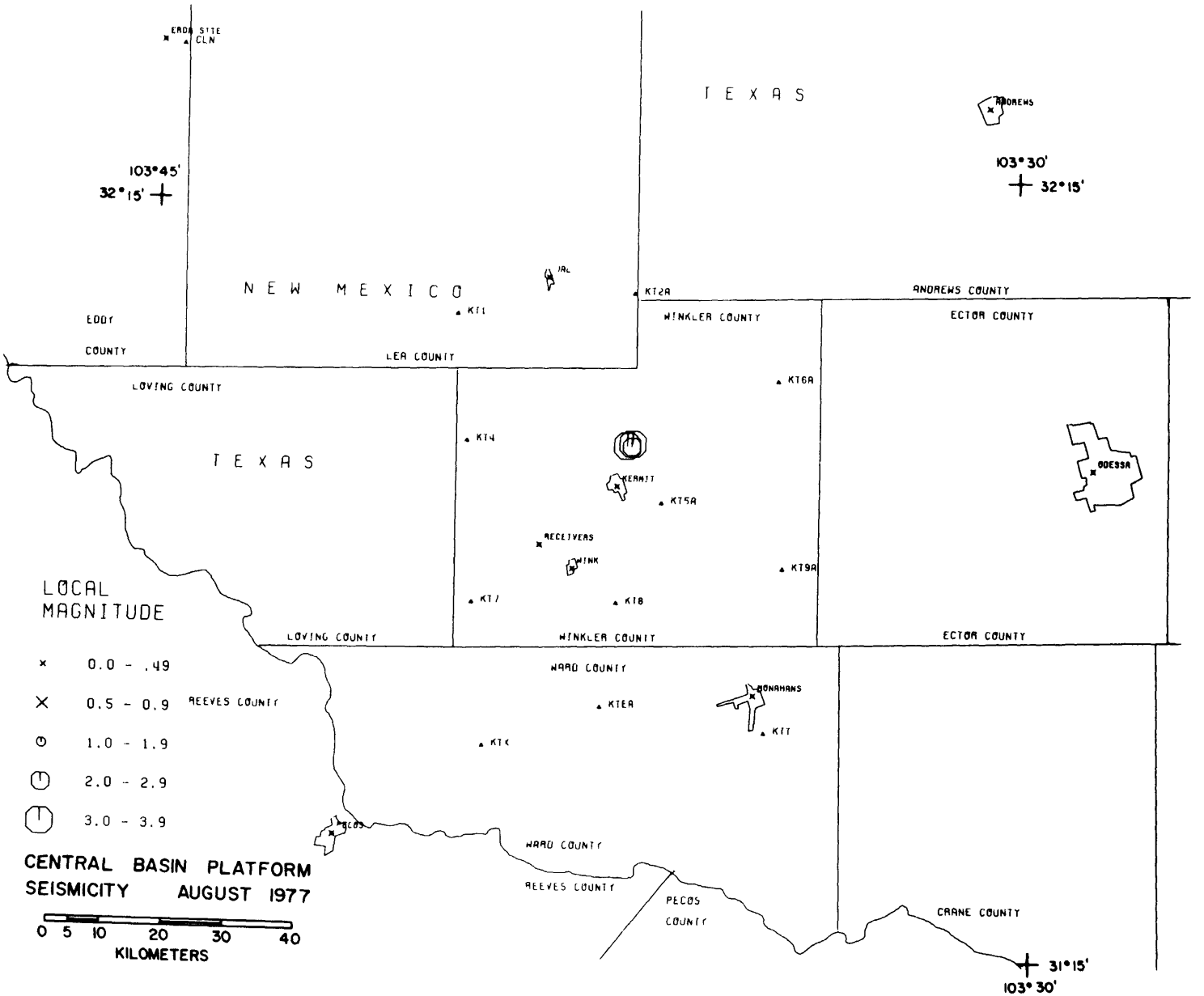
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MONAHANS
KTT
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PECOS
WARD COUNTY
REEVES COUNTY
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COUNTY
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CENTRAL BASIN PLATFORM
SEISMICITY AUGUST 1977
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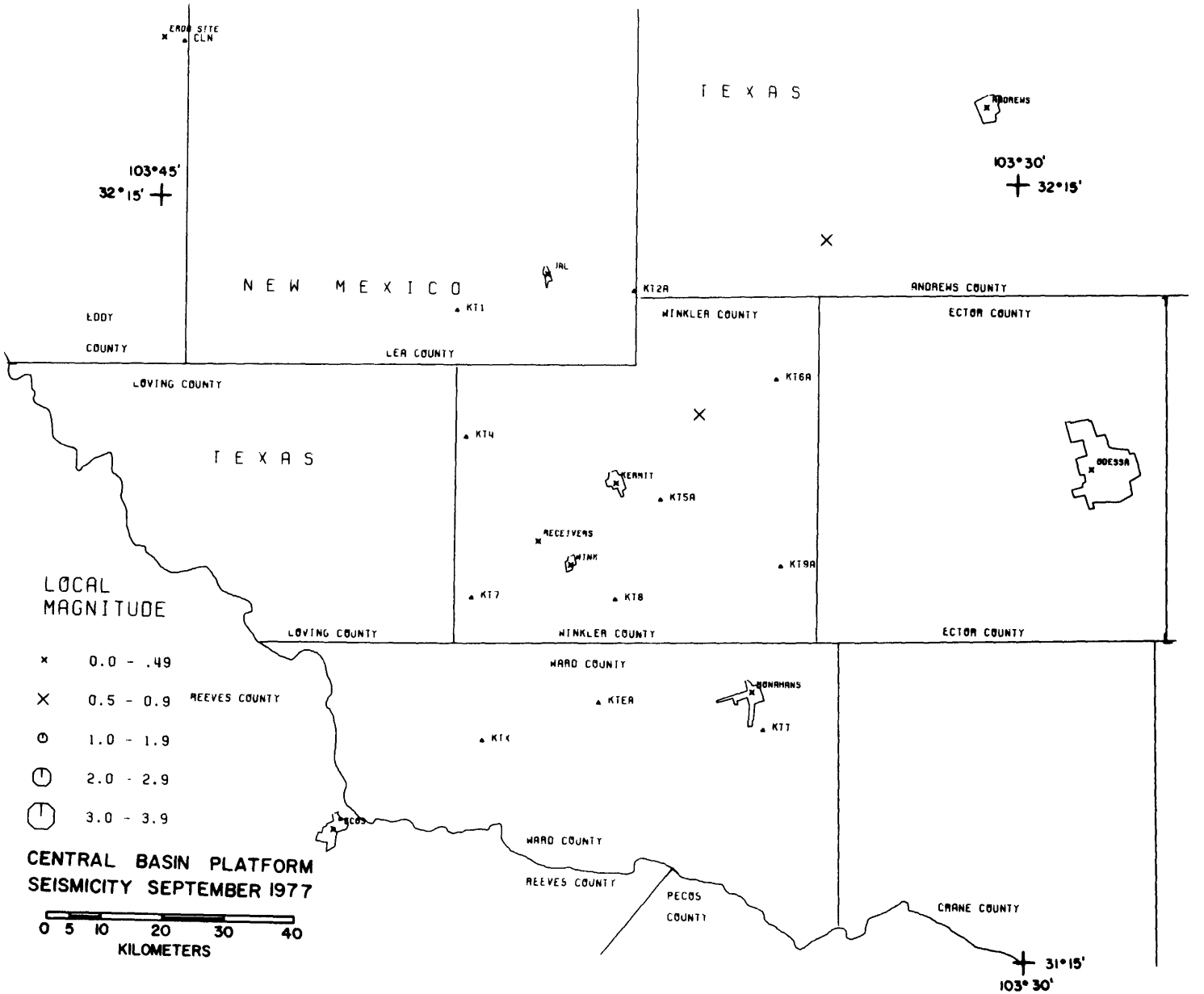
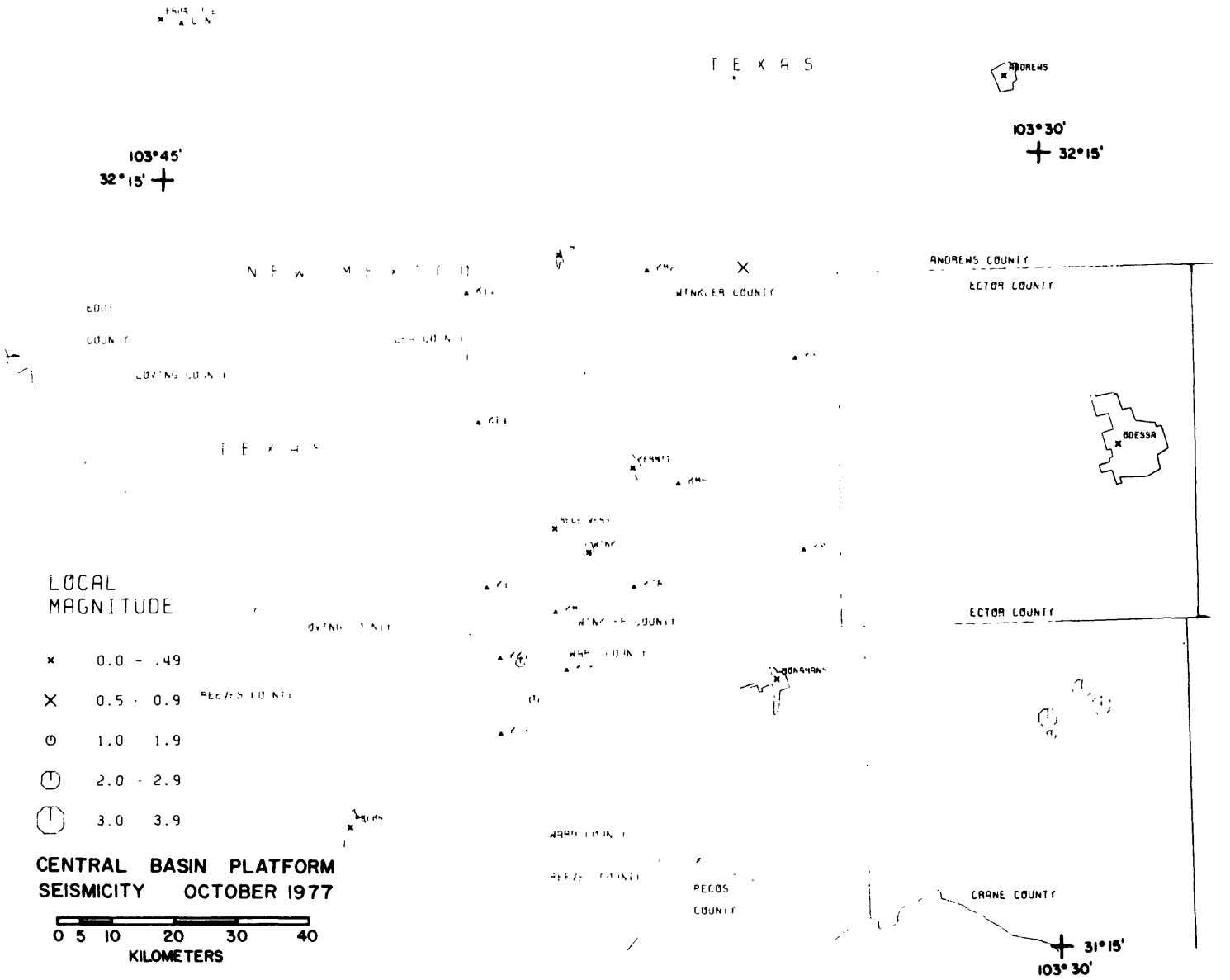


CENTRAL BASIN PLATFORM
SEISMICITY SEPTEMBER 1977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PECOS
COUNTY
CRANE COUNTY
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MAGNITUDE
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SEISMICITY OCTOBER 1977
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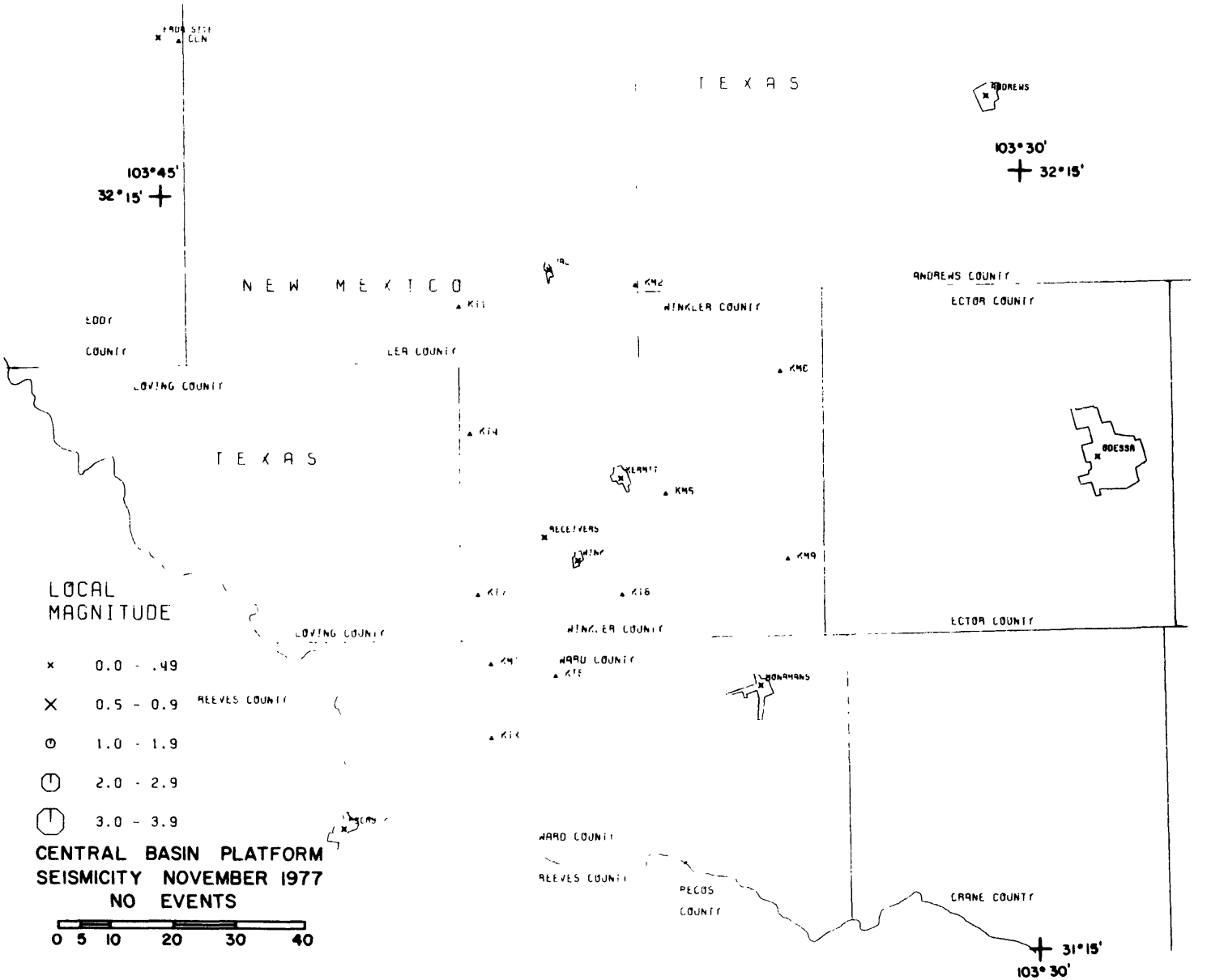
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CENTRAL BASIN PLATFORM
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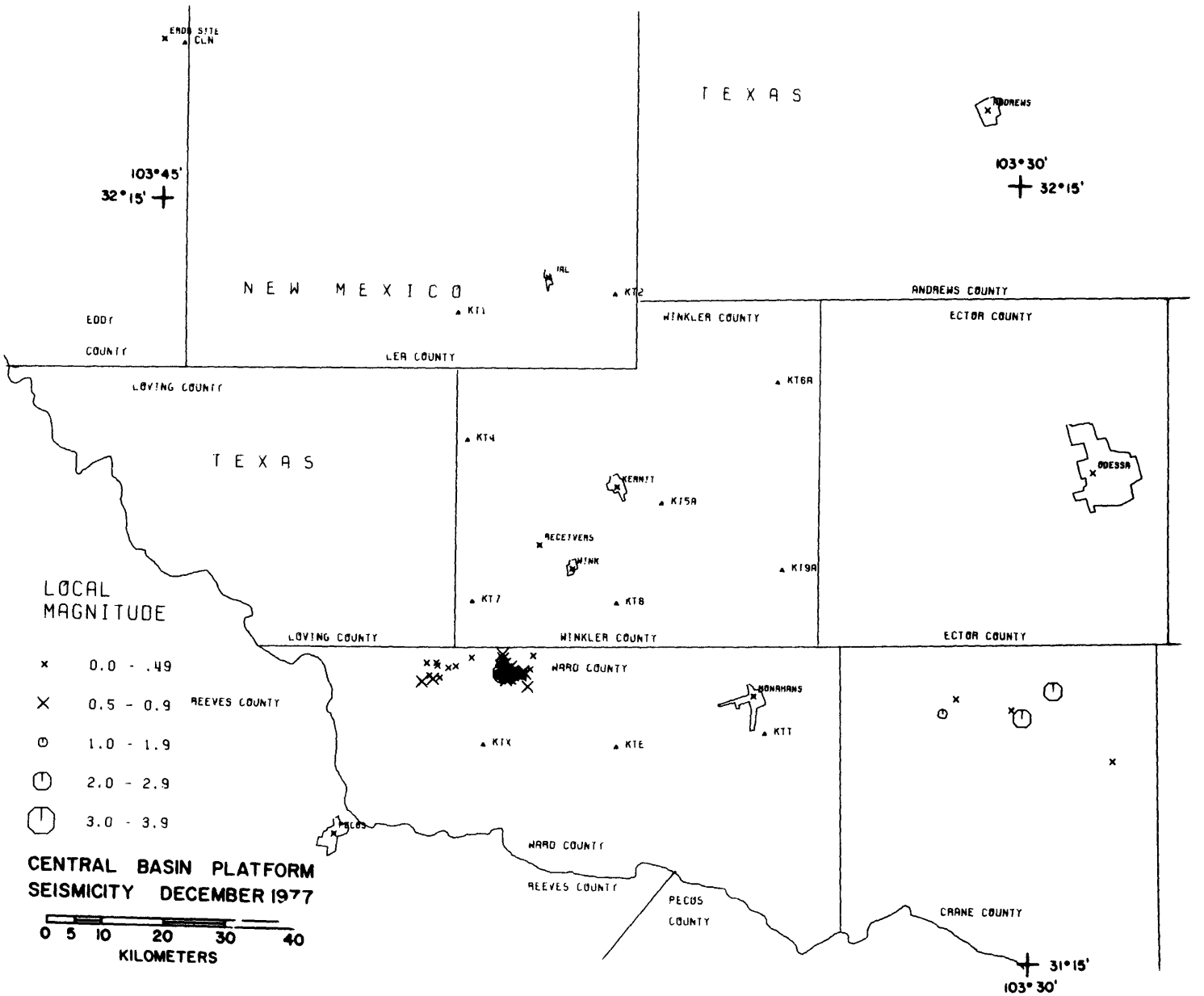
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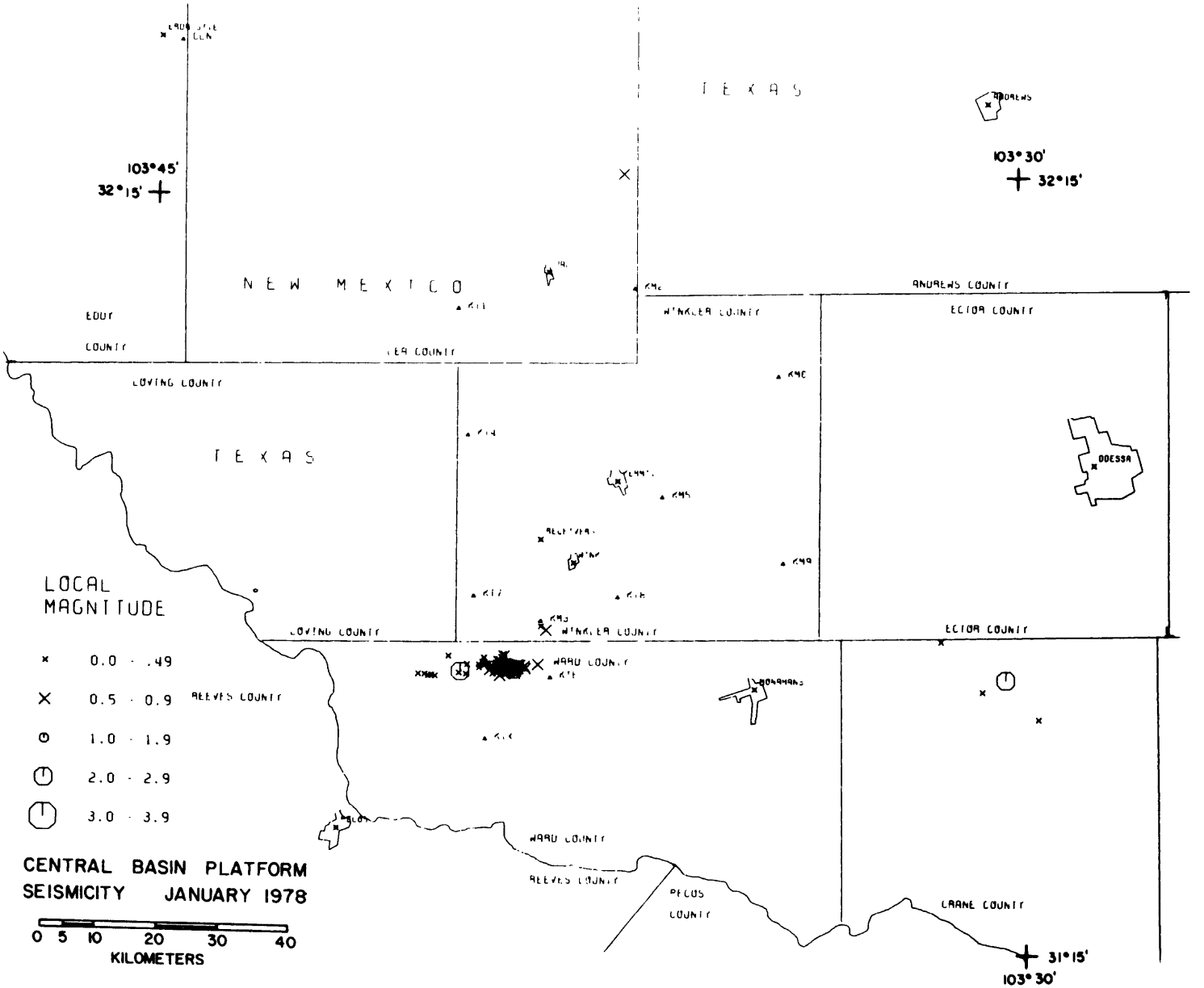
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31°15'
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LOCAL MAGNITUDE
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CENTRAL BASIN PLATFORM
SEISMICITY JANUARY 1978
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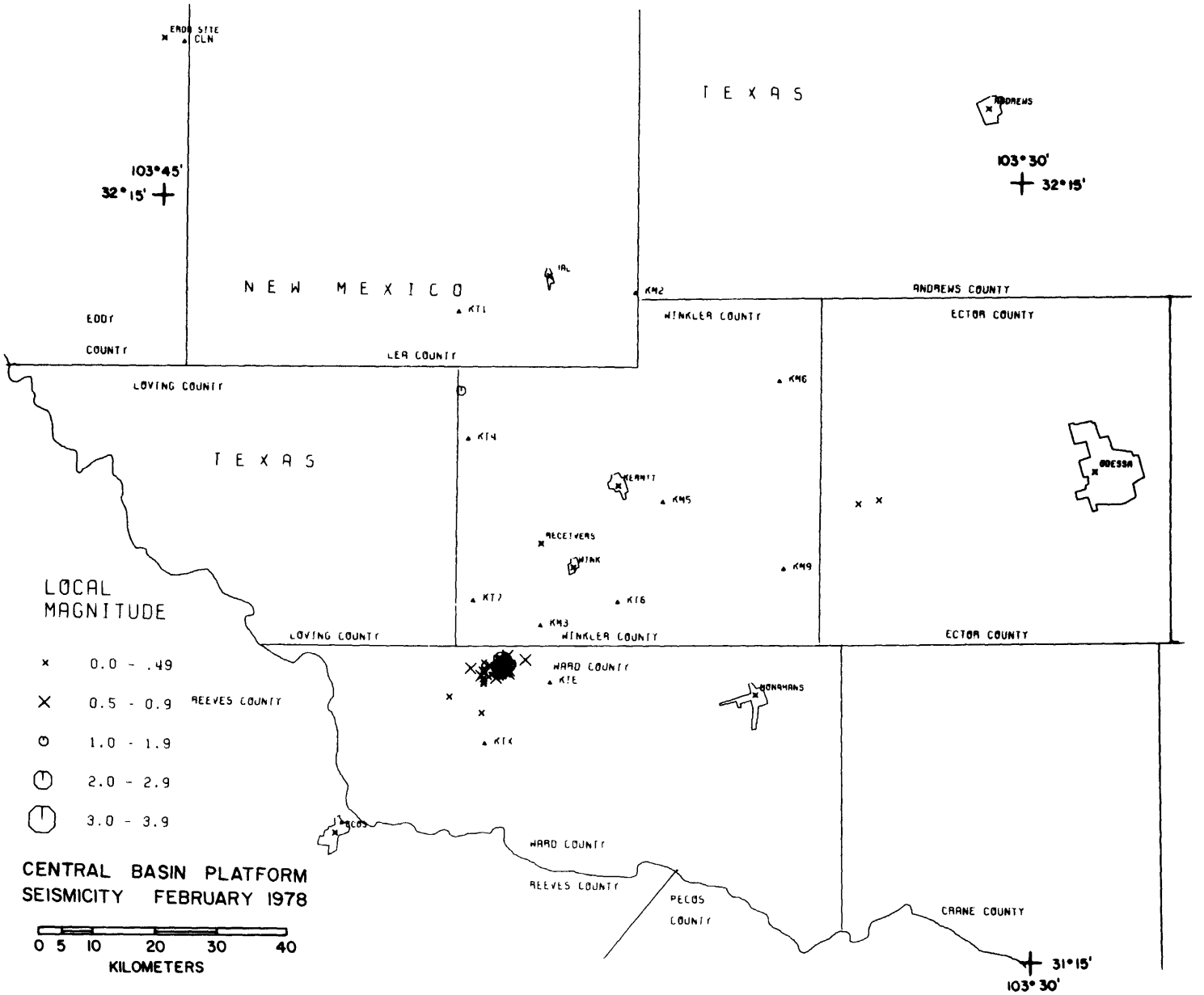
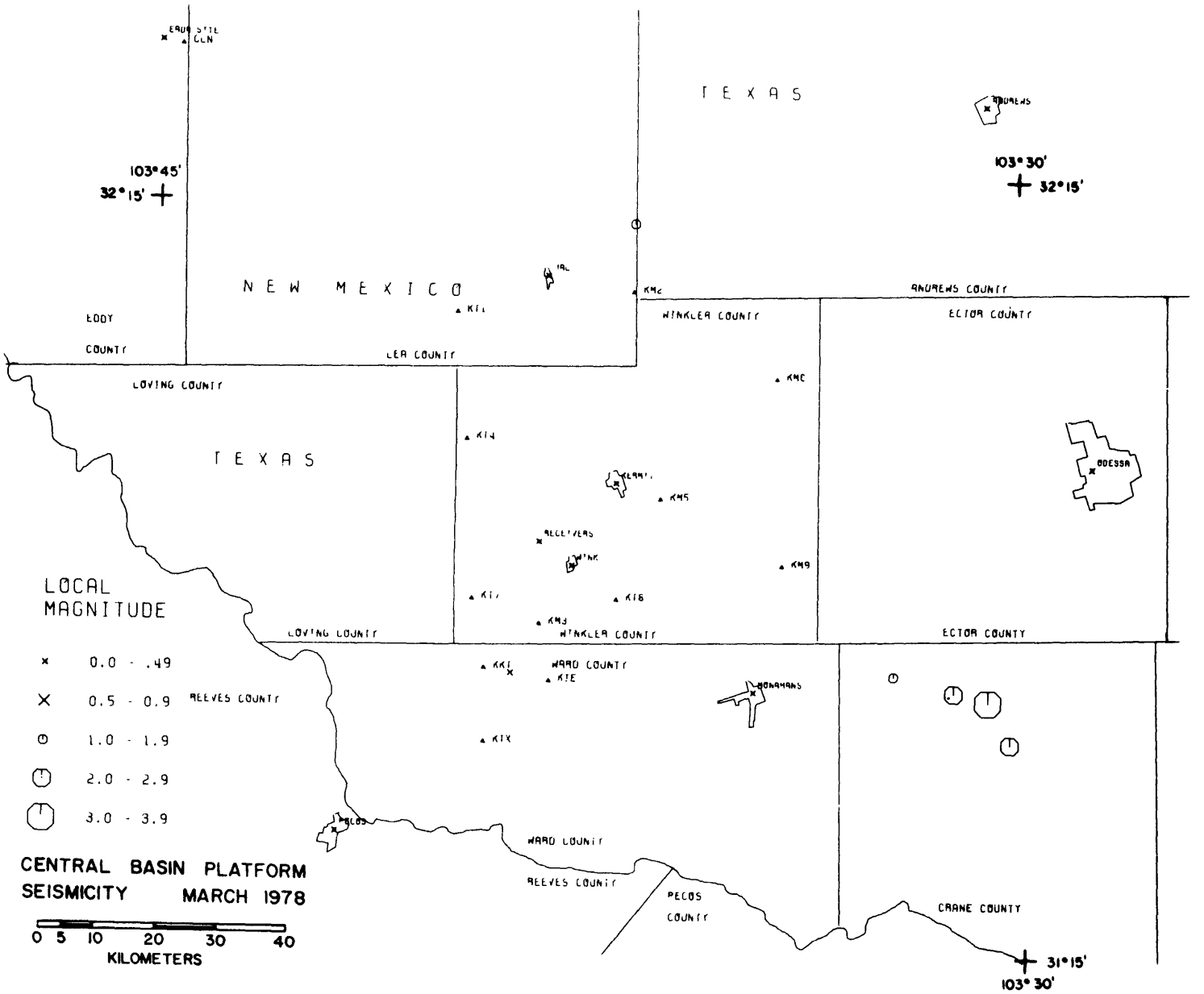


CENTRAL BASIN PLATFORM
SEISMICITY FEBRUARY 1978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REEVES COUNTY
WARD COUNTY
REEVES COUNTY
PECOS COUNTY
CRANE COUNTY
31°15'
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LOCAL MAGNITUDE
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CENTRAL BASIN PLATFORM
SEISMICITY MARCH 1978
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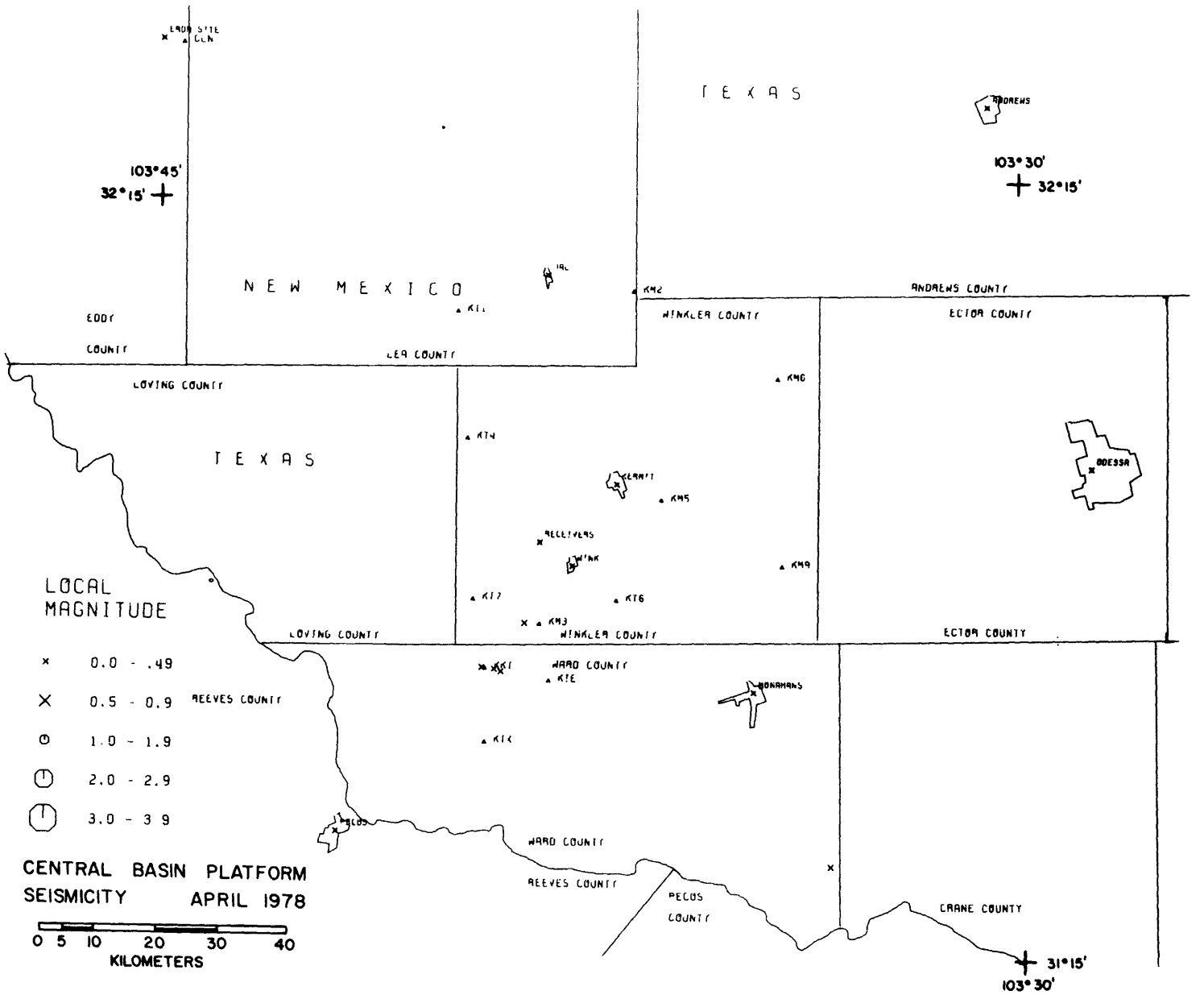
KILOMETERS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WARD COUNTY
REEVES COUNTY
PECOS COUNTY
CRANE COUNTY
31°15'
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LOCAL MAGNITUDE
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CENTRAL BASIN PLATFORM
SEISMICITY APRIL 1978
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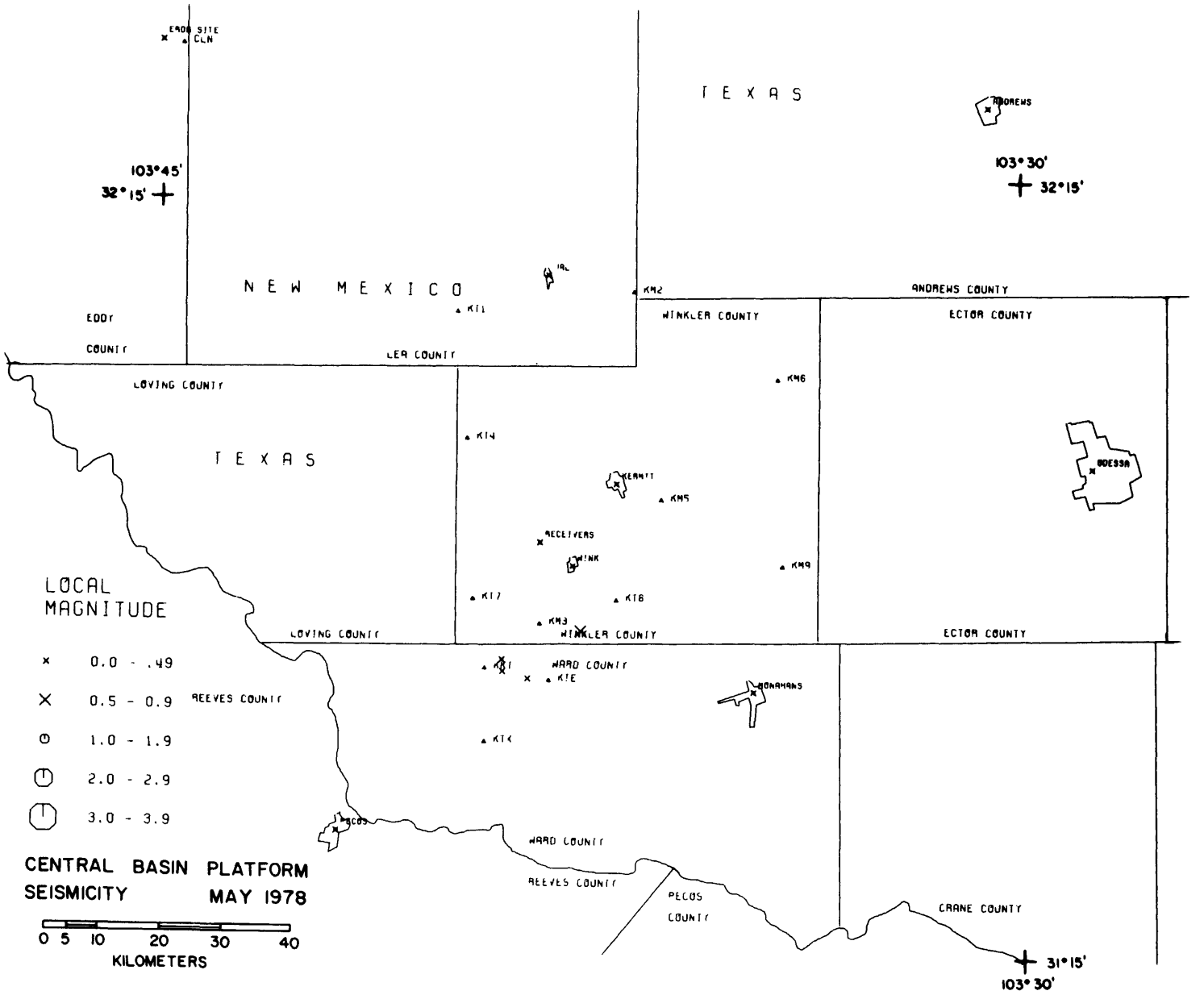

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REEVES COUNTY
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LOCAL MAGNITUDE
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CENTRAL BASIN PLATFORM
SEISMICITY MAY 1978
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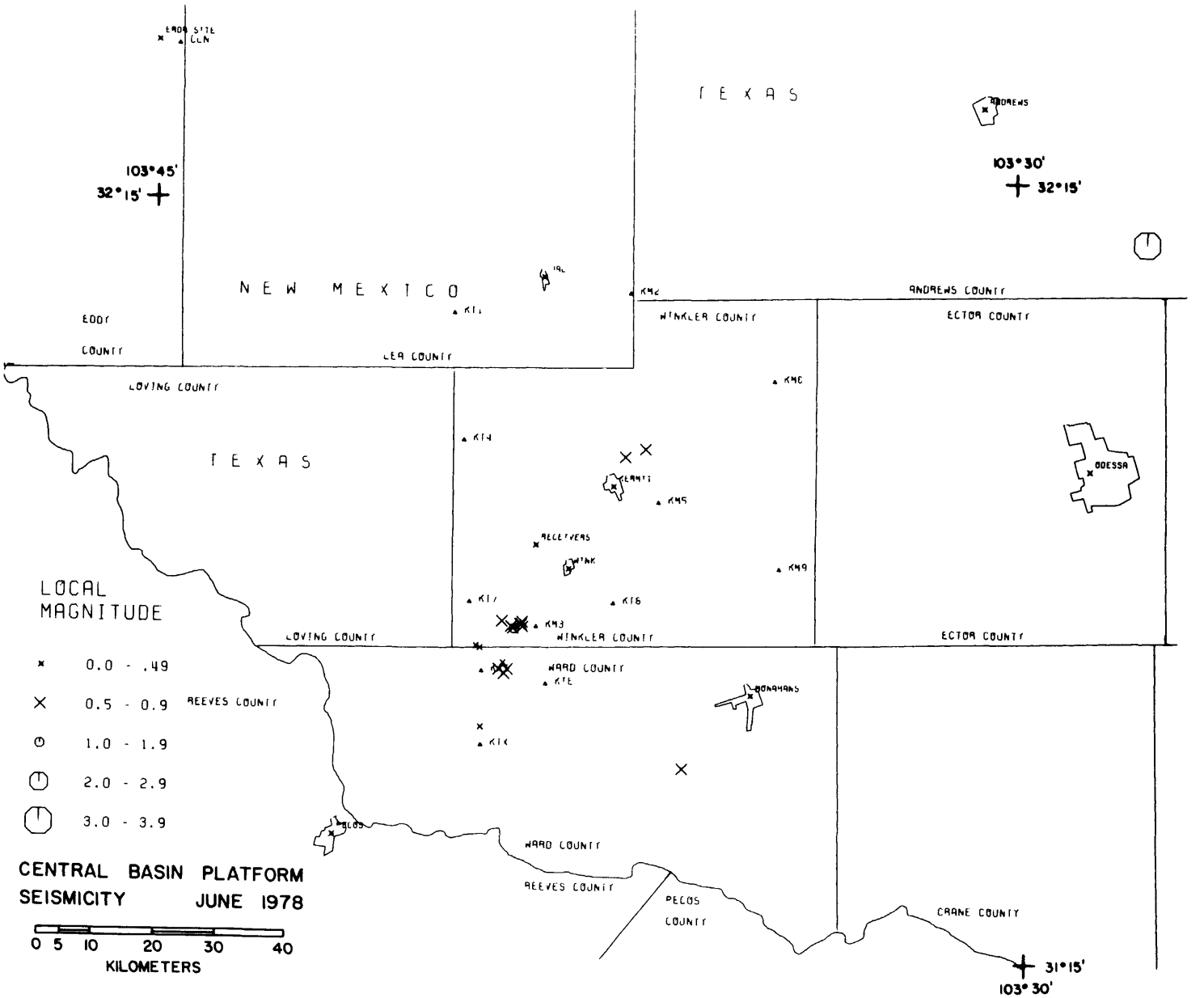

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MONAHANS
LOCAL MAGNITUDE
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CENTRAL BASIN PLATFORM
SEISMICITY JUNE 1978
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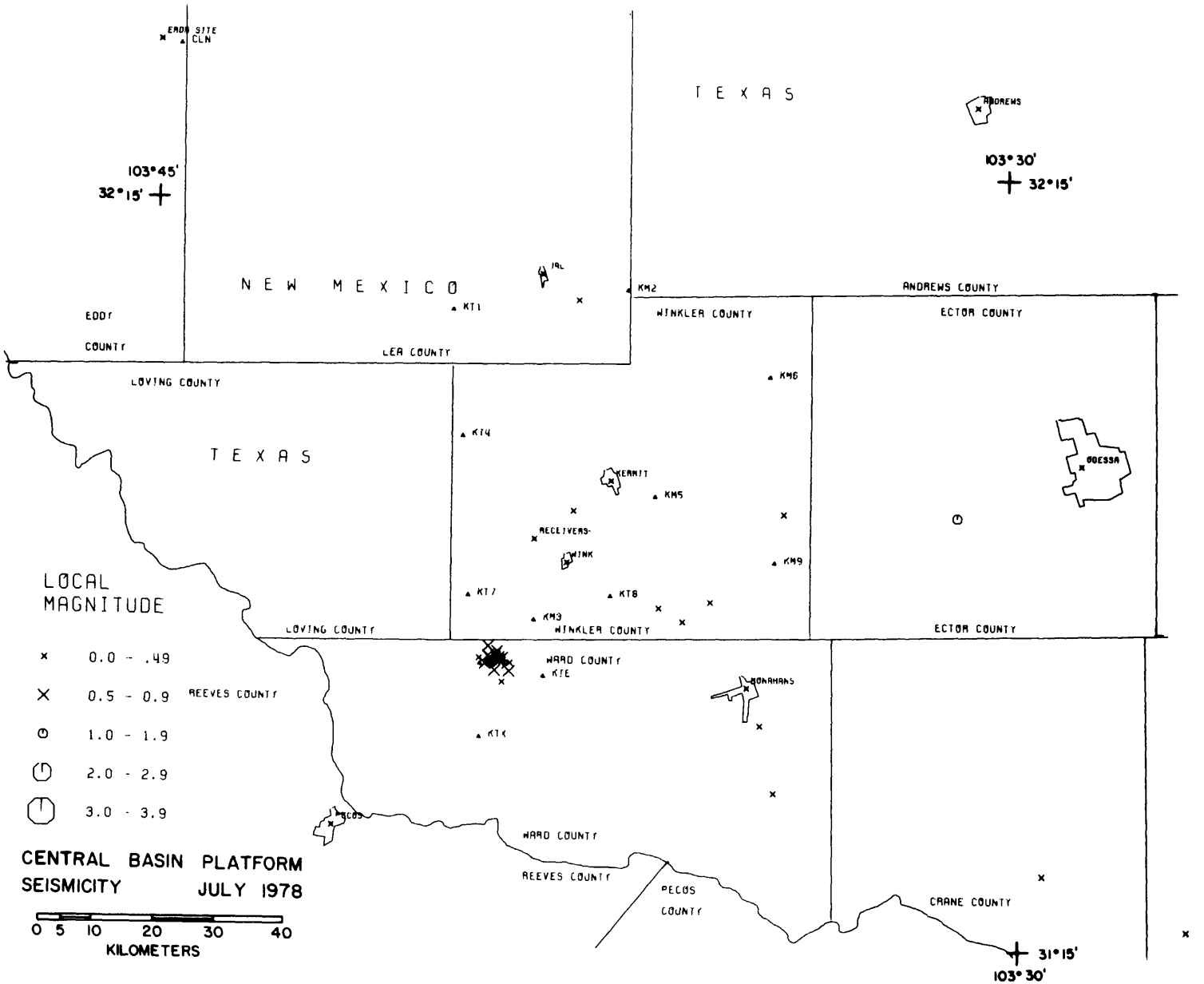
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PECOS
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CENTRAL BASIN PLATFORM
SEISMICITY JULY 1978
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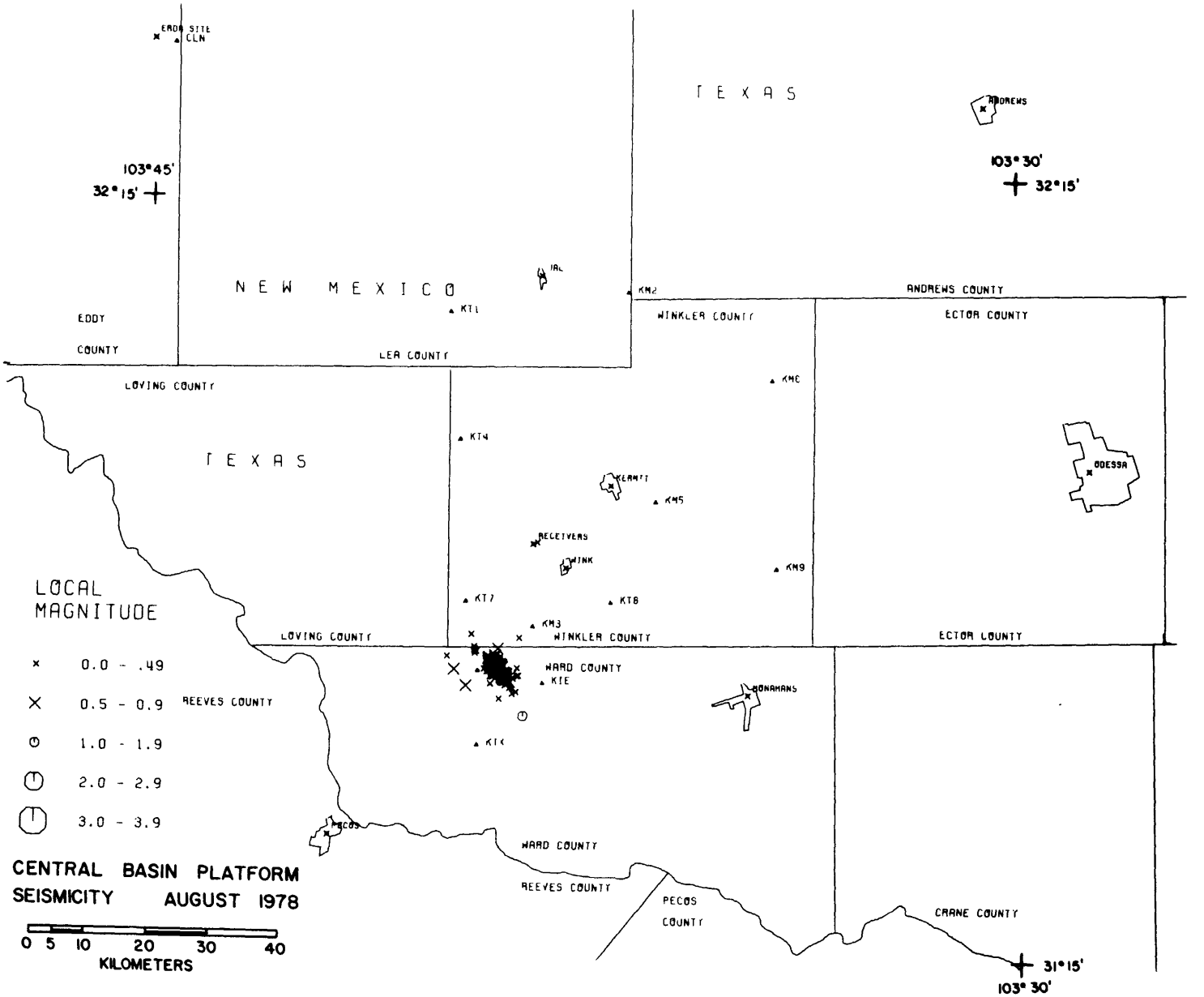
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CENTRAL BASIN PLATFORM
SEISMICITY AUGUST 1978
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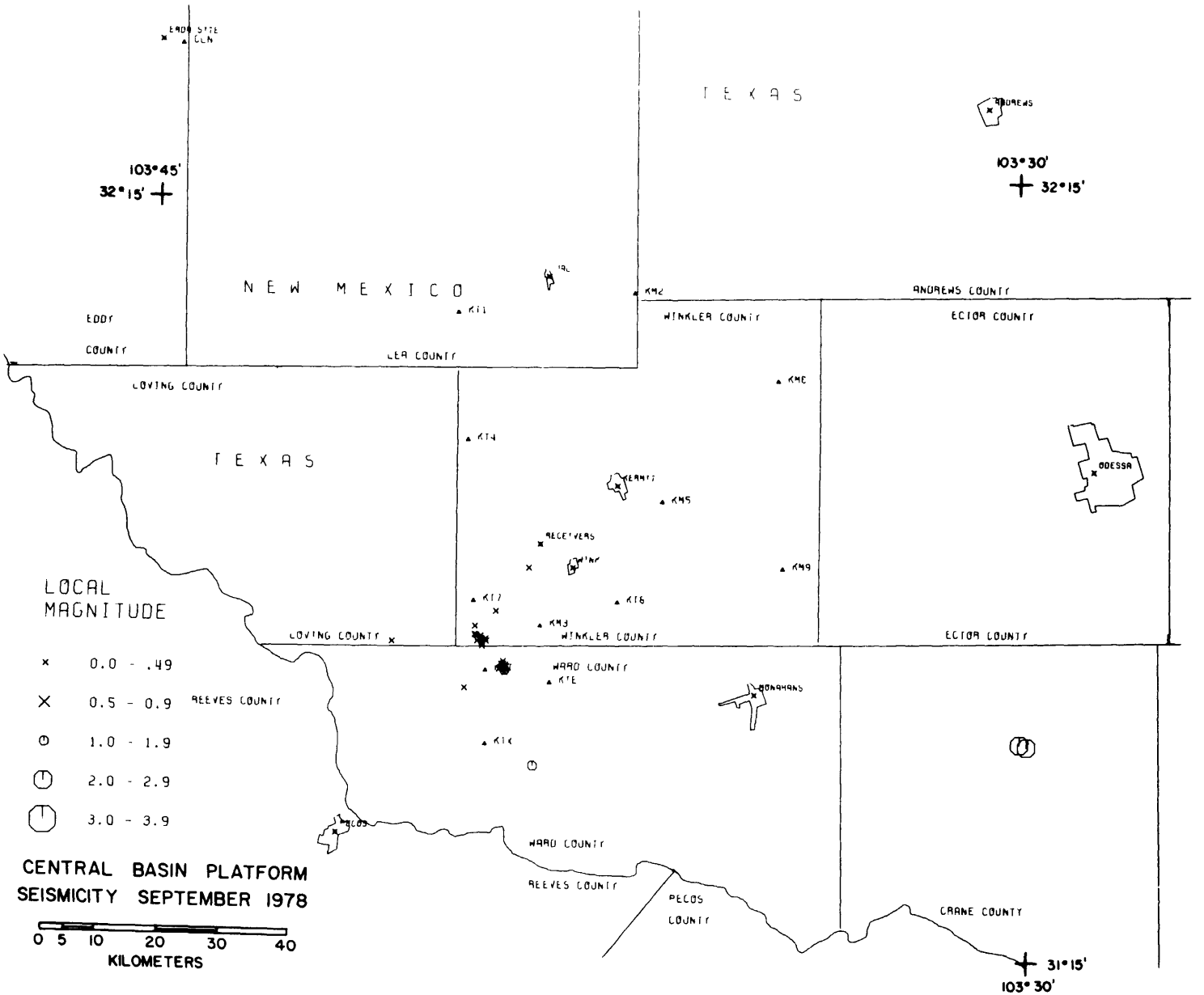
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CRANE COUNTY
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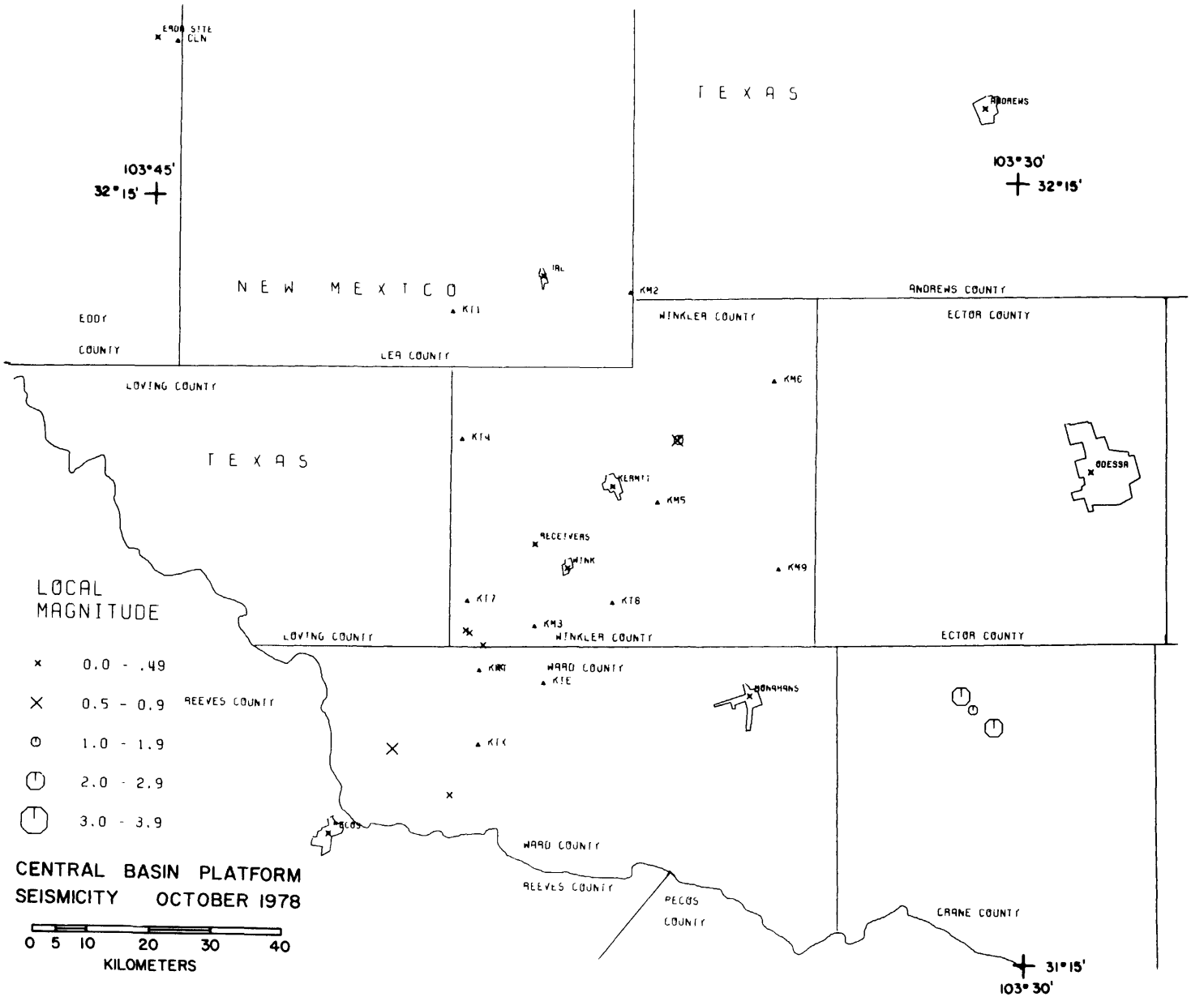

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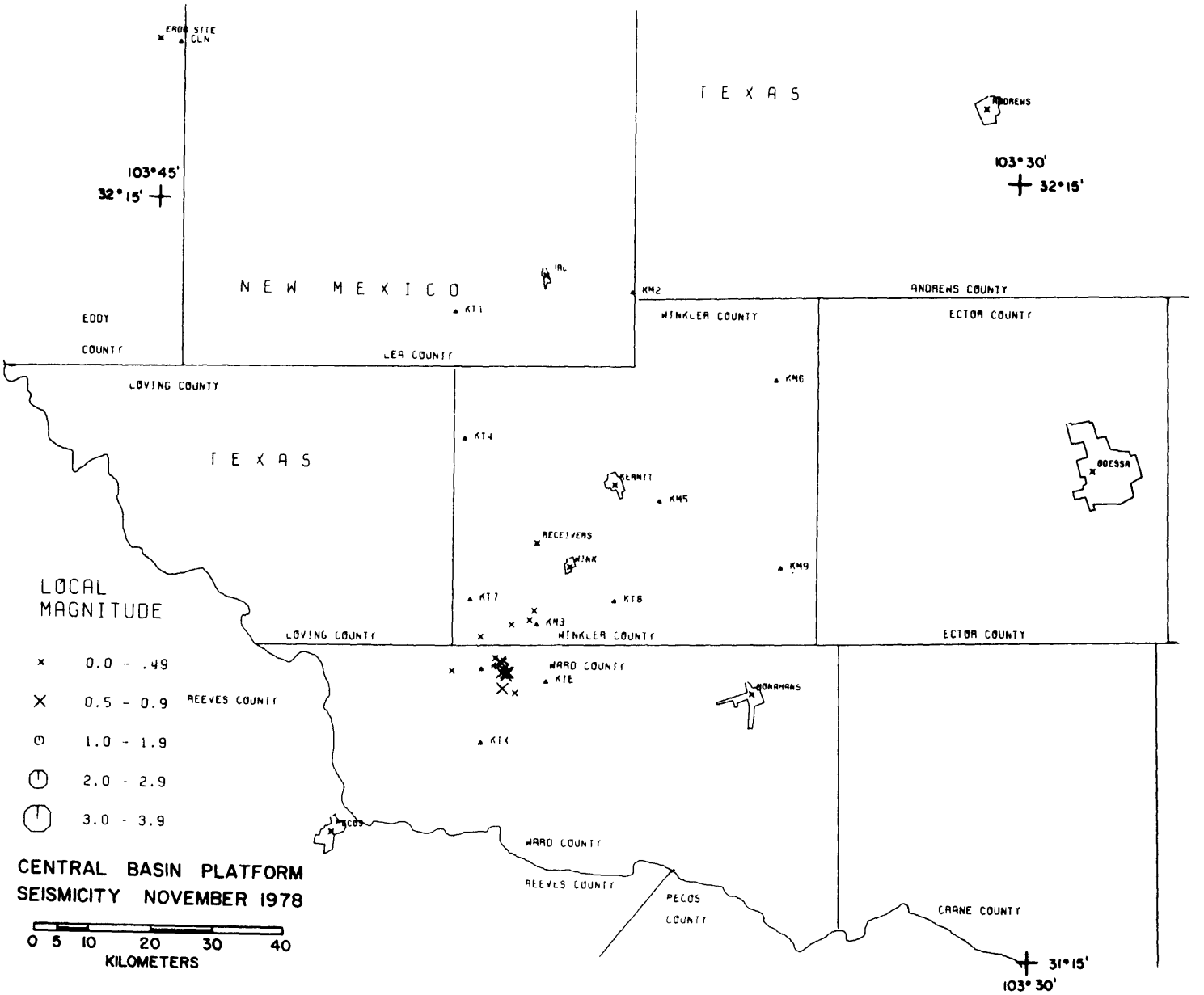

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EDDY
COUNTY
LEA COUNTY
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KM6
KT4
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CENTRAL BASIN PLATFORM
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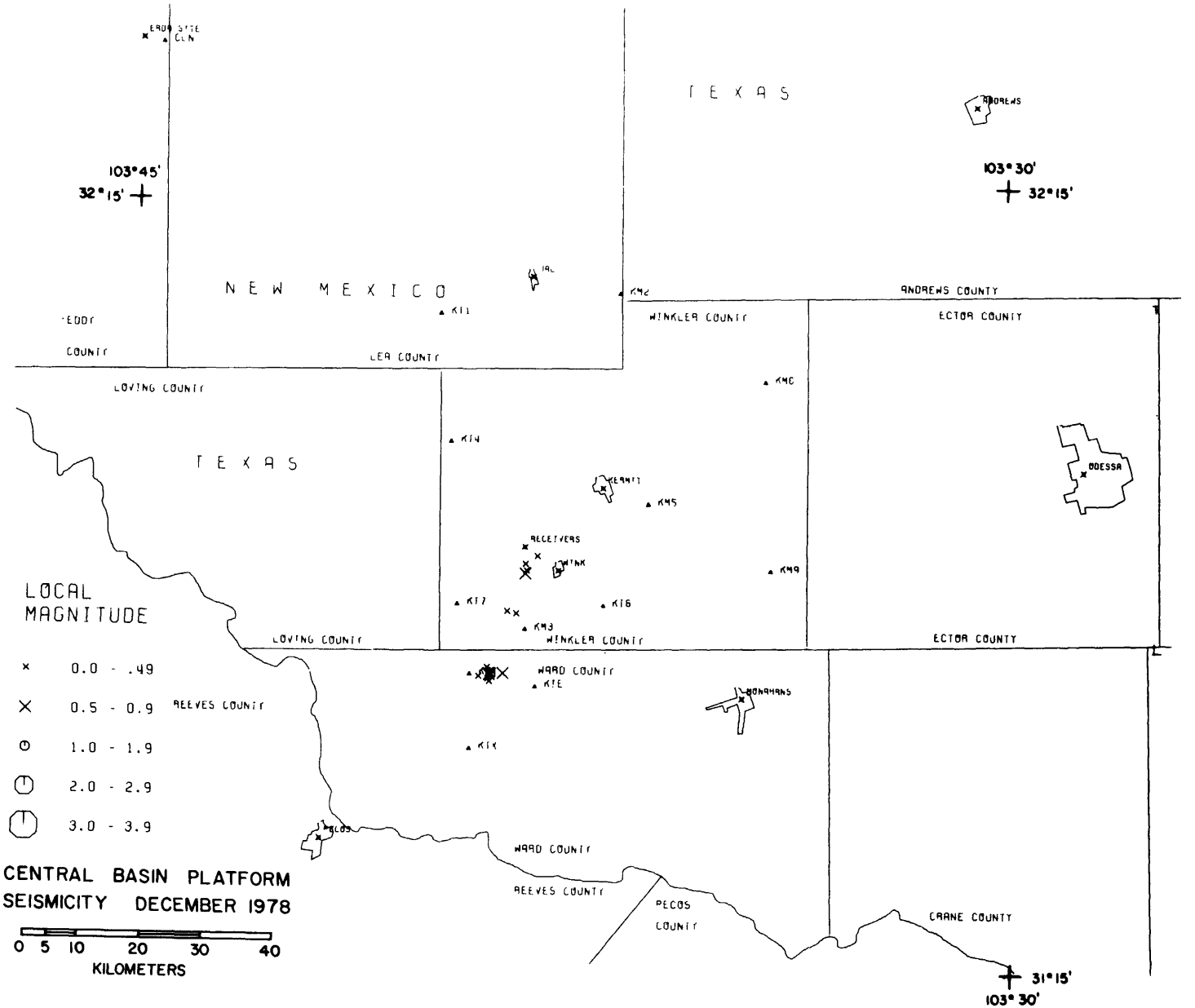
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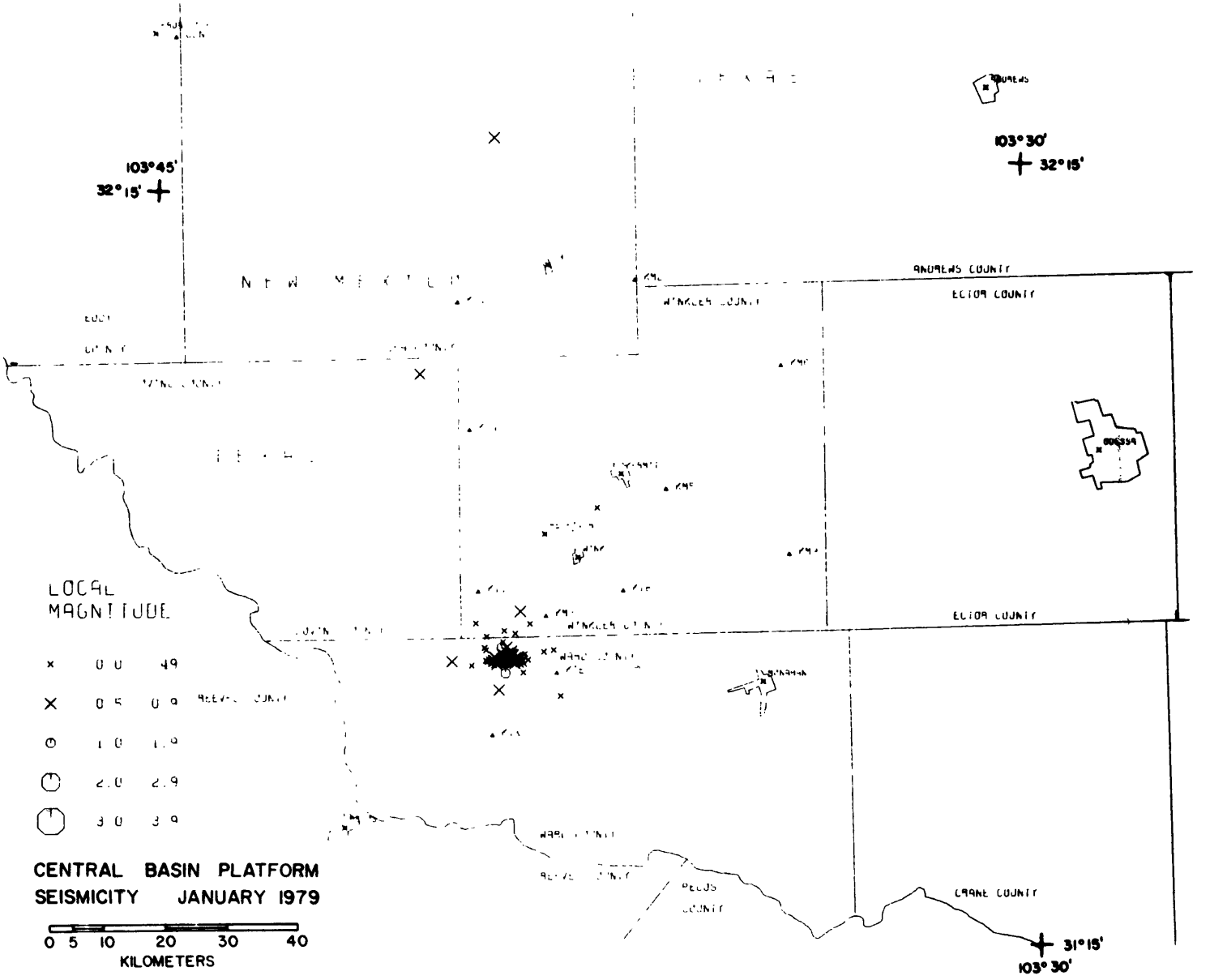
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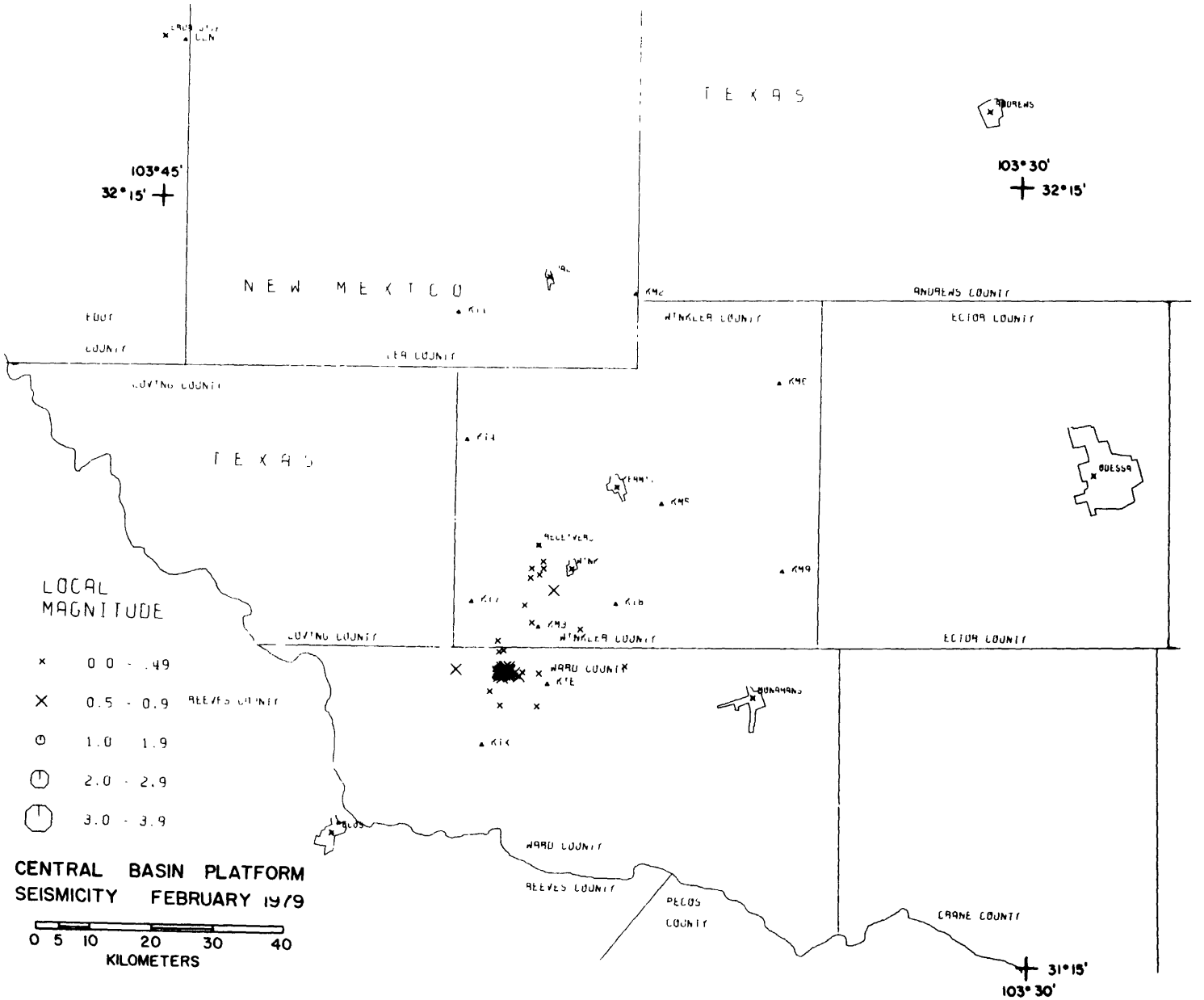
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PECOS COUNTY
CRANE COUNTY
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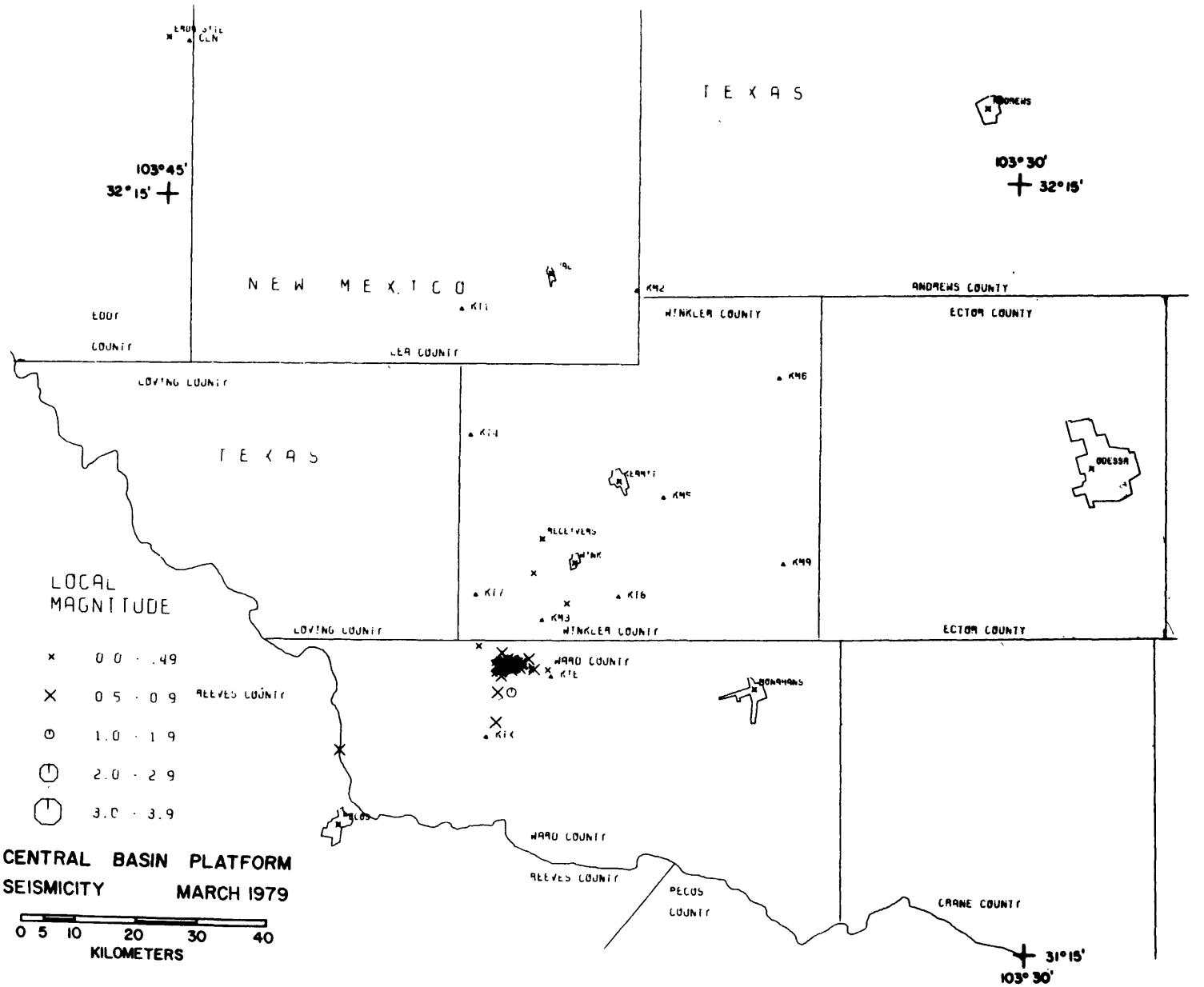
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WARD COUNTY
REEVES COUNTY
PECOS COUNTY
CRANE COUNTY
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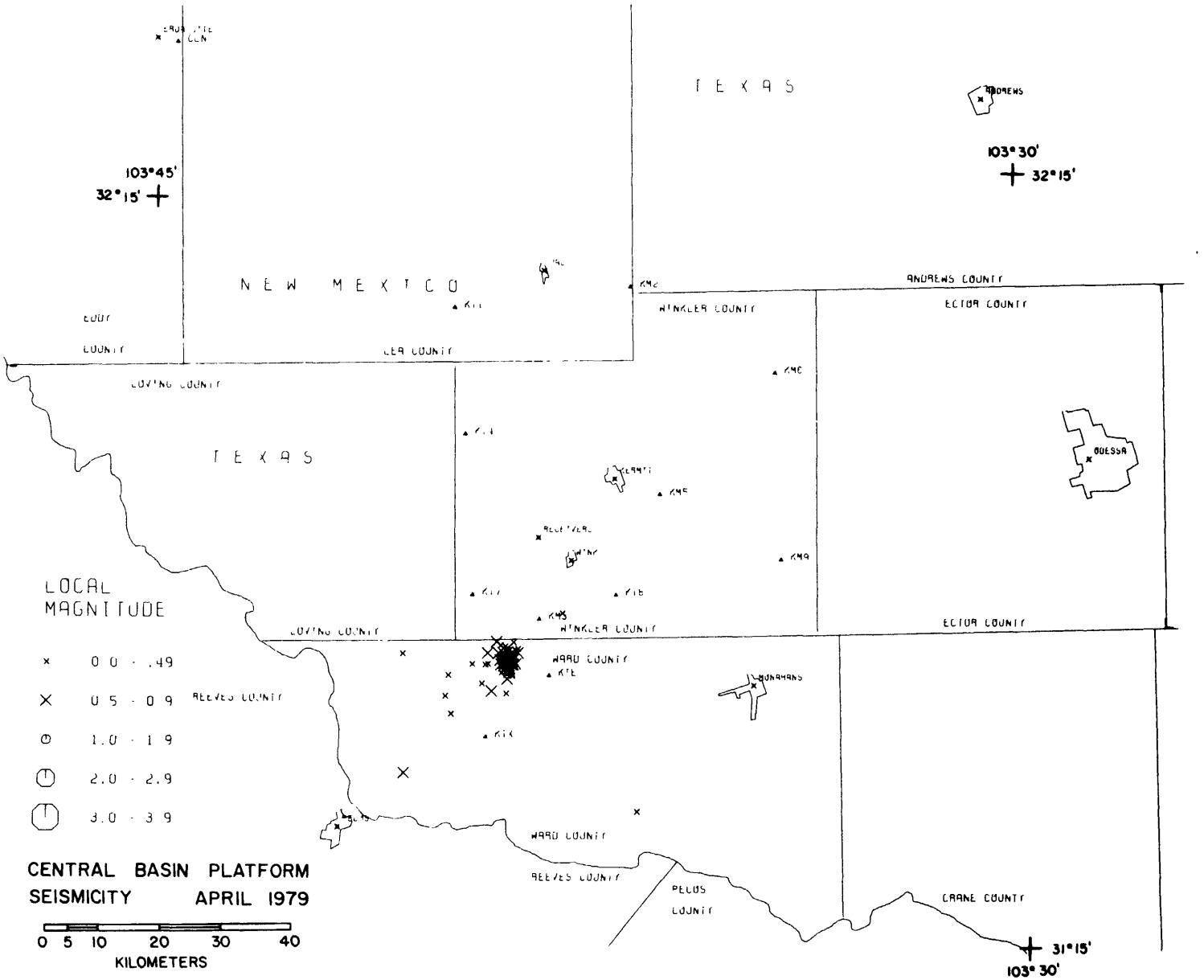
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SEISMICITY APRIL 1979
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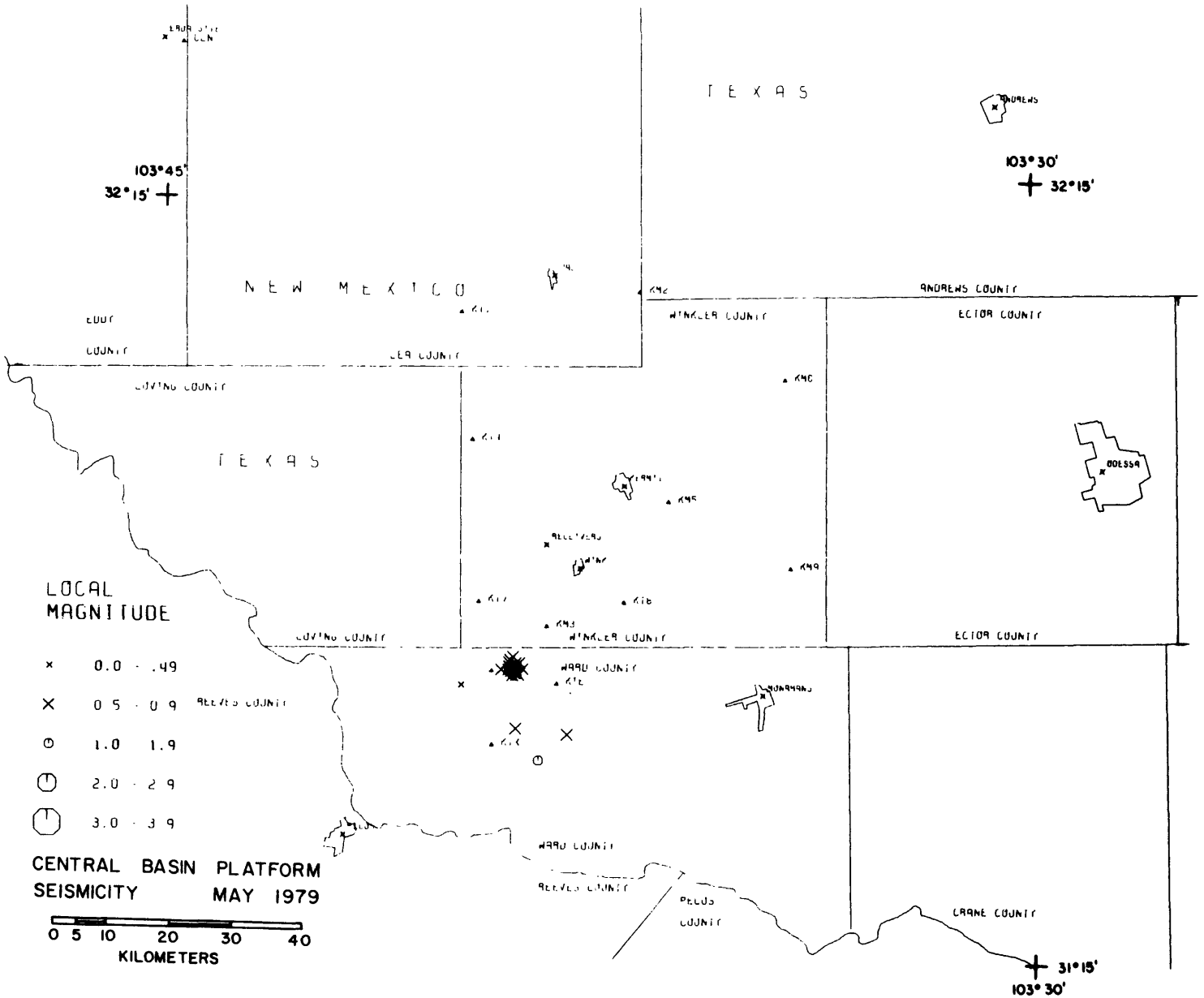
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MAGNITUDE
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3.0 - 3.9
CENTRAL BASIN PLATFORM
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REEVES COUNTY
PECOS
COUNTY
CRANE COUNTY
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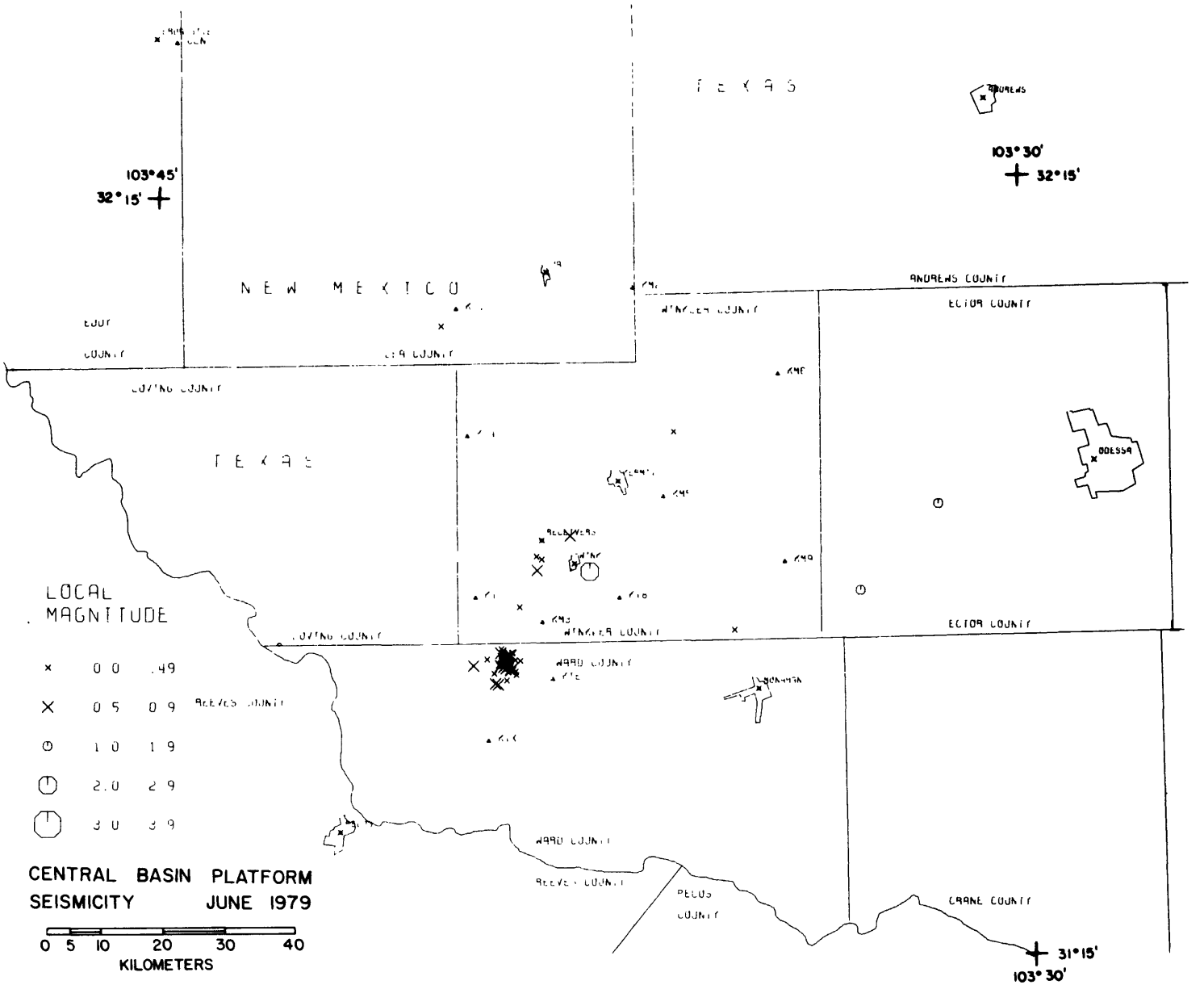
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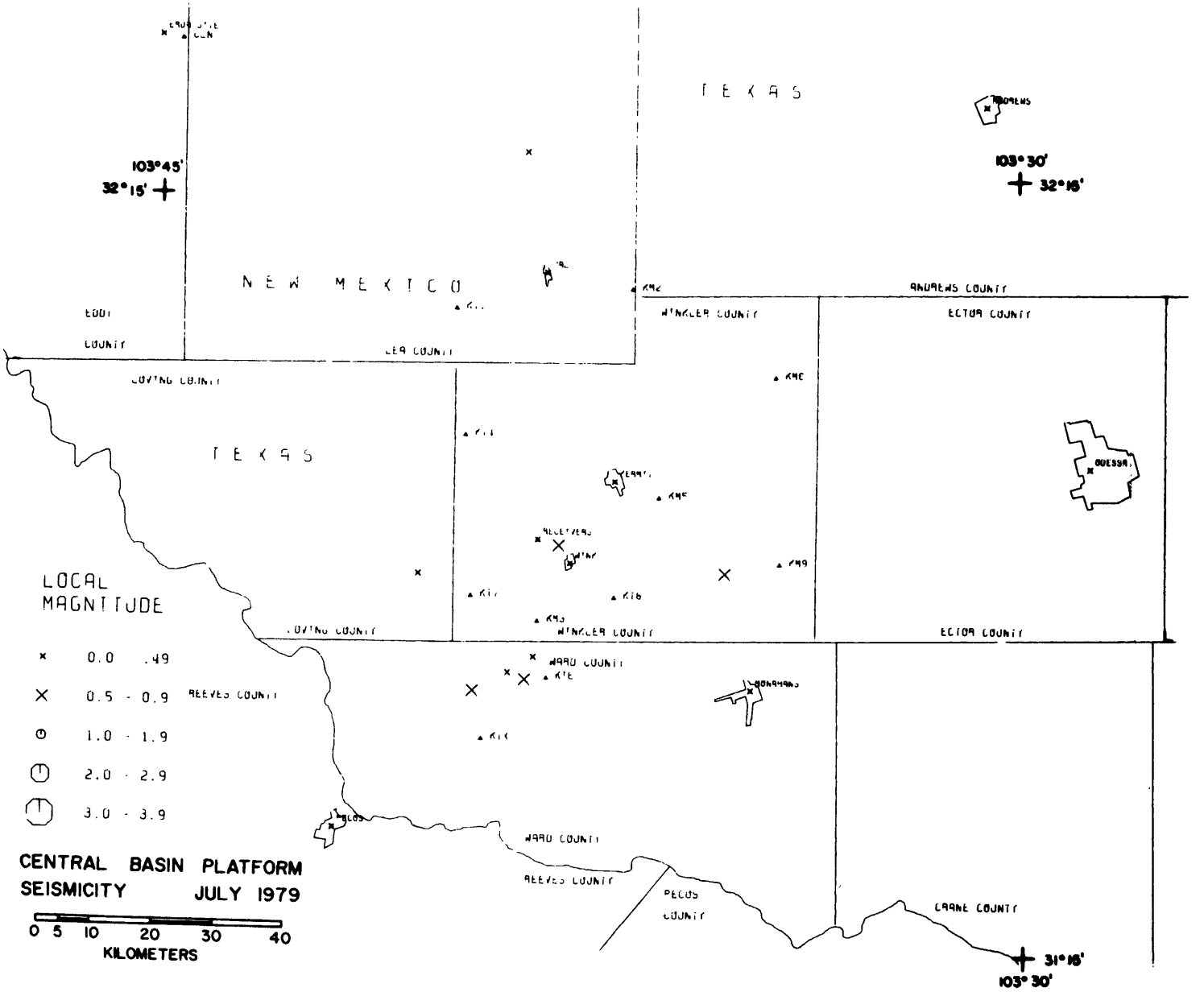
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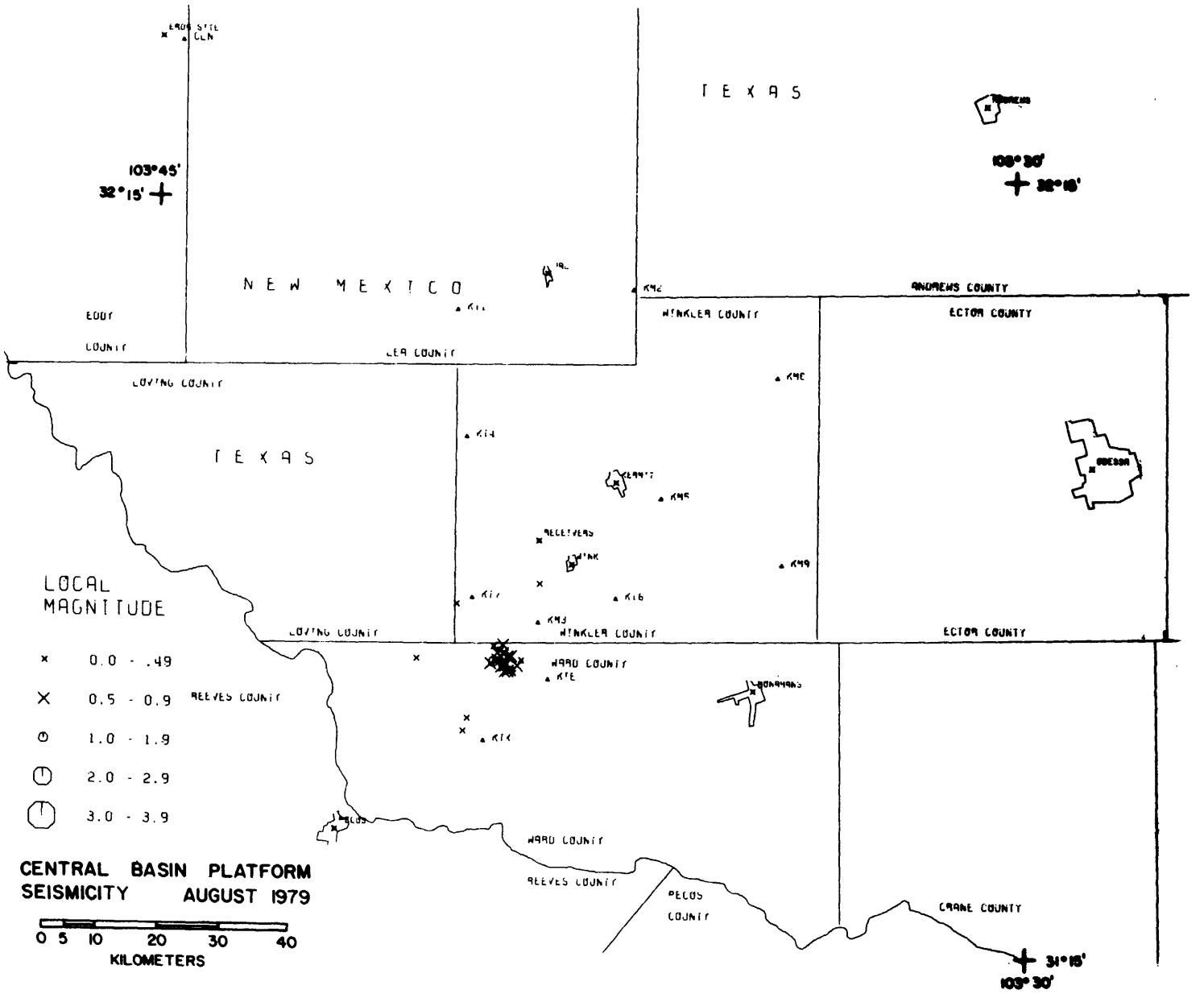
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PECOS COUNTY
CRANE COUNTY
103°45'
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32°15'
LOCAL MAGNITUDE
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3.0 - 3.9
CENTRAL BASIN PLATFORM
SEISMICITY AUGUST 1979
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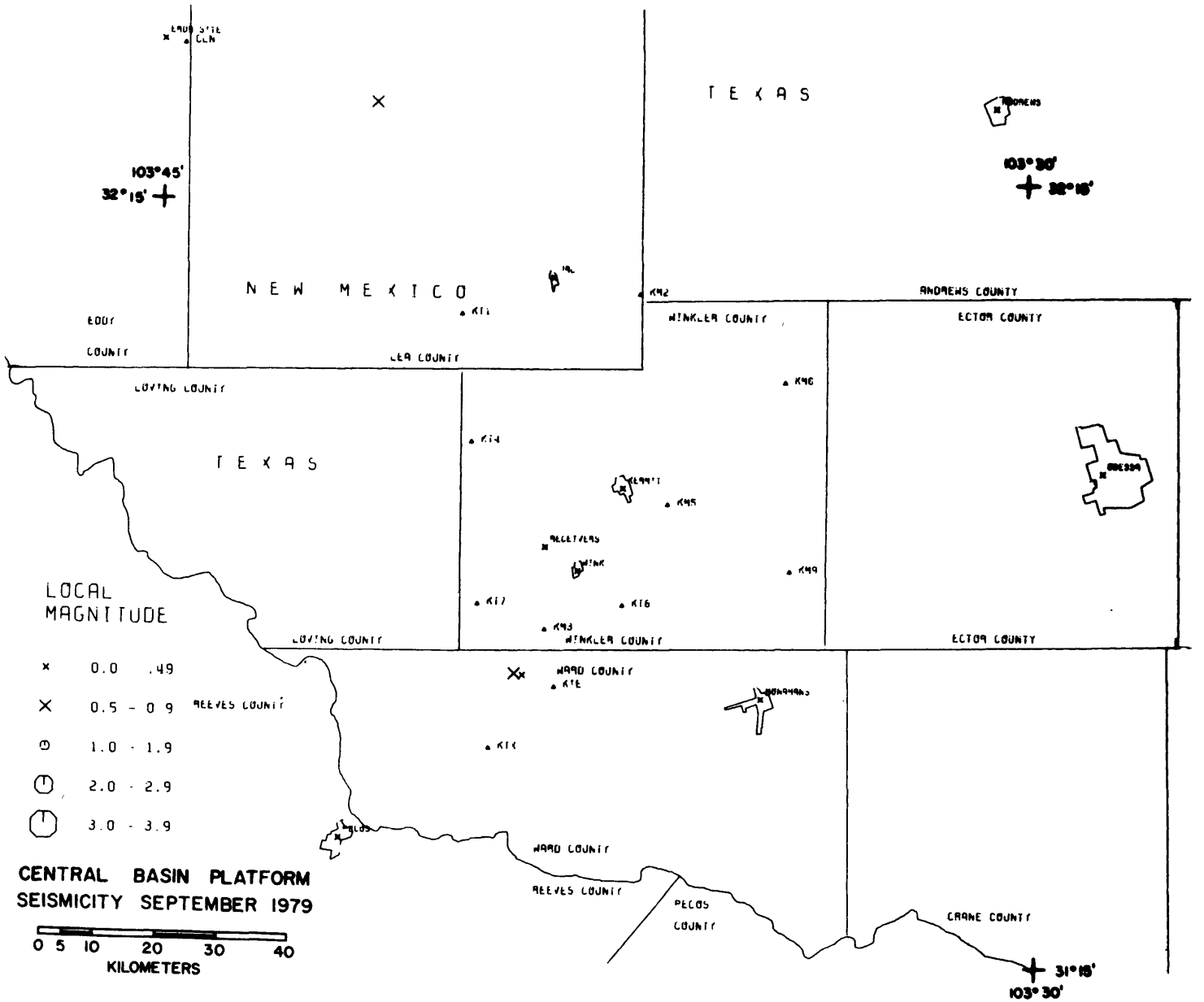
KILOMETERS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ECTOR COUNTY
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REEVES COUNTY
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LOCAL MAGNITUDE
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2.0 - 2.9
3.0 - 3.9
CENTRAL BASIN PLATFORM
SEISMICITY SEPTEMBER 1979
0 5 10 20 30 40
KILOMETERS

APPENDIX II

In this appendix, a detailed location summary is presented which is a version of the output of the computer program HYPO71 (Lee and Lahr, 1972). The reader is referred to the original article for more details. This information is organized on a monthly basis.

The table headings that are used are:

DEPTH - Focal depth in kilometers; 5.0 km was assigned when the data available were insufficient to calculate it.

MAG - Magnitude value which was calculated by using the duration of earthquake signal.

NO - Number of station phase readings (in other words, a P and S reading from the same station would be summed as 2).

GAP - Largest azimuthal separation in degrees between stations relative to the epicenter.

DMIN - Epicentral distance in km to the nearest station.

RMS - Average error of P and S arrival residual in seconds.

ERH - Standard error of epicenter in km.

ERZ - Standard error of the focal depth in km.

Q - Quality assigned to the hypocentral location (A - Excellent; D - Poor)

TABLE 1 LOCATION SUMMARY

1976	HR MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JAN 10	1 50					3.11								KT1 EP	
13	23 23					2.50								KT1 EP 4	
19	4 3	30.37	31-54.32	103- 4.44	0.17	3.47	6	124	22.1	0.07	1.1	1.2	C	KT8 IPU	AAA
22	7 21	56.98	31-54.09	103- 4.52	0.01	2.83	9	144	21.3	0.06	0.4	0.5	B	KT2 IPD	AAB
25	4 48	27.71	31-54.17	103- 4.93	0.89	3.92	9	142	21.1	0.04	0.2	0.3	B	KT2 IPD	AAC

TABLE 1 LOCATION SUMMARY

1976		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
FEB	4	15	14	21.16	31-40.01	103-31.71	5.00*	0.86	3	273	21.6	0.00			C	KT7 EP	AAD
	4	15	19	35.61	31-39.49	103-35.39	5.00*	1.30	3	287	27.5	0.00			C	KT7 EP	AAE
	4	15	32	17.27	31-40.71	103-34.40	5.00*	0.26	3	282	25.6	0.00			C	KT7 EP	AAF
	4	15	41	3.58	31-40.71	103-31.42	5.00*	0.51	3	271	20.9	0.00			C	KT7 EP	AAG
	4	15	57	51.37	31-41.55	103-26.26	5.46	0.93	4	232	12.6	0.10			C	KT7 EP	AAH
	4	16	9	7.56	31-40.43	103-34.14	5.00*	0.86	3	282	25.2	0.00			C	KT7 EP	AAI
	4	15	15	30.77	31-41.56	103-23.20	19.93	1.24	4	215	7.9	0.16			C	KT7 EP	AAJ
	19	8	23	58.43	31-38.77	103-39.46	5.00*	2.05	3	298	34.1	0.01			C	KT7 EP	AAK
	19	8	45	31.52	31-37.64	103-39.97	5.00*	2.05	3	300	35.3	0.01			C	KT7 EP	AAL
	19	9	23	36.63	31-38.77	103-39.46	5.00*	1.85	3	298	34.1	0.01			C	KT7 EP	AAM
	25	22	22	59.36	31-47.04	103-13.56	0.03	****	4	156	11.2	0.14			C	KT7 EP	AAN

TABLE 1 LOCATION SUMMARY

1976	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAR 15	2	30	43.26	32- 9.14	102-57.82	0.12	1.56	5	279	14.5	1.04	31.5	14.1	D	KT2 EP	AAO
18	23	7	7.20	32- 9.06	103- 6.91	5.00*	1.17	3	276	6.7	0.32			D	KT2 EP	AAP
20	16	15	55.53	32-17.95	103- 3.29	0.35	1.70	5	304	23.3	0.26	20.2	8.5	D	KT2 EP	AAQ
27	22	25	21.00	32-12.65	103- 6.25	0.06	1.49	9	285	13.1	0.14	5.5	2.5	D	KT2 EP	AAR

TABLE 1 LOCATION SUMMARY

1976	HR	MI	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
APR 12	8	2	35.86	32-10.01	103- 6.62	0.45	2.38	5	291	8.3	0.13	38.8	2.9	D	KT2 EP	AAS
21	8	40	7.43	32-12.49	103- 6.03	0.25	2.53	6	250	12.8	0.04	0.4	0.3	C	KT2 EP	AAT
28	17	40					0.44								KT4 EP	
30	15	11					0.82								KT4 EP	
30	7	29					0.53								KT4 EP	
30	7	33					0.33								KT4 EP	
30	8	46					0.53								KT4 EP	
30	9	34					0.53								KT4 IPD	
30	9	53					0.61								KT4 IPD	
30	10	23					0.69								KT4 IPD	
30	10	24					0.82								KT4 IPD	
30	10	35					0.44								KT4 EP	
30	10	37					0.69								KT4 IPD	
30	11	17					0.53								KT4 EP	
30	11	43					-.27								KT4 EP	
30	12	29					1.29								KT4 EP	
30	12	40					0.82								KT4 IPD	
30	13	14					0.76								KT4 IPD	
30	13	19					0.44								KT4 EP	
30	14	13					0.99								KT4 EP	
30	14	37					0.53								KT4 IP	
30	15	54					0.53								KT4 IPD	
30	15	55					0.53								KT4 IPD	
30	16	57					0.33								KT4 EP	
30	16	57					1.83								KT4 IPD	
30	16	58					0.53								KT4 IP	
30	17	14					0.08								KT4 EP	
30	18	7					0.99								KT4 IP	
30	19	14					0.53								KT4 IPD	
30	19	28					0.53								KT4 IP	
30	19	38					0.08								KT4 EP	
30	19	50					0.69								KT4 EP	
30	19	51					2.08								KT4 IPD	
30	19	57					0.53								KT4 EP	
30	19	58					0.08								KT4 EP	
30	20	15					0.53								KT4 EP	
30	20	46					0.33								KT4 EP	
30	21	15					1.59								KT4 EP	

TABLE 1 LOCATION SUMMARY

1976		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAY	1	0	12					0.33								KT4 EP	
	1	1	29					0.53								KT4 EP	
	1	11	13	40.84	32-16.23	103- 8.16	9.92	3.04	8	316	20.0	0.15	2.9	4.1	D	KT2 EP	AAU
	1	12	49					0.82								KT4 EP	
	1	20	50					1.89								KT4 IPD	
	2	1	9					0.76								KT4 IPD	
	2	6	17					0.69								KT4 IPD	
	2	19	57					0.94								KT4 EP	
	3	3	45					0.53								KT4 EP	
	3	5	57					1.13								KT4 EP	
	3	6	55					0.08								KT4 EP	
	3	7	27					0.53								KT4 EP	
	3	7	45					0.53								KT4 EP	
	3	7	50					0.82								KT4 EP	
	3	8	0	40.12	31-59.34	103-17.25	5.56	1.96	5	221	9.1	0.07	3.9	2.3	D	KT4 IPD	AAV
	3	8	4					0.53								KT4 EP	
	3	9	24					1.69								KT4 EP	
	3	9	29					-.27								KT4 EP	
	3	9	40					0.08								KT4 EP	
	3	10	5					1.77								KT4 IPD	
	3	10	8					1.04								KT4 IPD	
	3	11	27	41.76	31-59.82	103-16.20	6.54	2.00	5	239	9.7	0.03	1.4	0.8	C	KT1 EP	AAW
	3	17	46					1.29								KT4 IPD	
	3	17	51					0.69								KT4 EP	
	4	7	3					1.04								KT4 EP	
	4	14	6					1.59								KT4 IPD	
	4	15	5	37.10	31-57.94	103-14.30	0.16	2.32	5	267	9.5	1.64	10.6	4.6	D	KT4 IPD	AAX
	5	11	34					0.53								KT4 IPD	
	5	11	57					0.94								KT4 IPD	
	5	12	41					1.54								KT4 IPD	
	6	4	6					0.53								KT4 EP	
	6	5	7					0.44								KT4 EP	
	6	6	3					0.82								KT4 IPD	
	6	6	40					0.69								KT4 IPD	
	6	10	2					1.04								KT4 IPD	
	6	11	47					0.44								KT4 EP	
	6	11	48					0.76								KT4 IPD	
	6	11	50					0.76								KT4 IPD	
	6	14	7					0.69								KT4 EP	
	6	15	45					0.69								KT4 IPD	
	6	16	43					1.13								KT4 IPD	
	6	17	13	23.61	31-58.45	103-13.53	6.88	2.59	6	87	11.1	0.21	1.9	4.5	B	KT4 IPD	AAY
	6	17	28					1.93								KT4 EP	
	6	17	29					1.36								KT4 IPD	
	7	0	32					0.69								KT4 IPD	
	7	1	16					1.81								KT4 EP	
	7	2	45					0.53								KT4 EP	
	7	2	49					0.88								KT4 IPD	
	7	4	16					0.88								KT4 EP	
	7	9	11					1.17								KT4 IPD	

1976		HR	MI	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAY	7	14	1					0.69								KT4 EP	
	7	18	16					1.13								KT4 IPD	
	7	22	42					1.48								KT4 EP	
	8	1	55					0.88								KT4 IPD	
	8	2	6					0.88								KT4 IPD	
	8	2	53					1.21								KT4 EP	
	8	6	9					1.04								KT4 IPD	
	8	9	29					0.53								KT4 IPD	
	8	11	2					0.76								KT4 IPD	
	8	11	45					0.76								KT4 IPD	
	27	21	16	6.85	31-53.56	103-18.21	5.00*	1.60	3	188	2.2	0.37			D	KT4 EP	ABA
	8	17	46					0.69								KT4 IPD	
	8	22	24					0.69								KT4 IPD	
	8	22	25					0.82								KT4 IPD	
	9	4	26					0.88								KT4 IPD	
	9	4	57					1.13								KT4 IPD	
	9	7	14					0.99								KT4 IPD	
	21	13	18					2.88								KT4 EP	
	8	11	46	41.79	31-53.80	103-11.08	1.17	1.90	6	253	12.4	0.75	3.2	2.4	D	KT4 IP	AAZ
	28	16	15	23.57	31-53.41	103-19.34	5.00*	1.49	3	183	2.3	0.66			D	KT4 EP	ABD

TABLE 1 LOCATION SUMMARY

1976	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUN 1	19	5					****								KT4 IP	
10	18	38					1.04								KT4 EP	
15	2	20	0.53	31-34.68	102-38.70	0.76	2.39	7	281	22.8	0.21	11.0	5.6	D	KTT EP	ABE
15	8	50	20.93	31-32.92	102-28.97	6.95	2.67	13	281	37.9	0.21	2.0	2.5	C	KTT IPD	ABF
18	16	51	18.43	31-47.10	103-19.21	5.00*	1.68	3	189	8.5	0.28			C	KT7 EP	ABG

TABLE 1 LOCATION SUMMARY

19 0	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUL																

TABLE 1 LOCATION SUMMARY

1976	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG 5	18	53	9.17	31-33.96	103- 1.18	9.29	3.01	4	161	13.3	0.02			C	KTT EP	ABH
6	21	12	38.59	31-46.65	102-35.10	0.06	2.59	4	305	38.2	0.18			C	KTT EP	ABI
10	9	3	12.21	31-51.31	102-21.06	0.14	2.39	7	295	52.4	0.31	18.7	66.4	D	KT9 EP	ABJ
10	9	12	29.55	31-45.93	102-36.75	0.14	2.09	4	303	25.9	0.12			C	KT9 EP	ABK
10	10	15	18.21	31-47.73	102-33.13	0.55	2.87	9	286	32.2	0.18	6.5	27.2	D	KT9 EP	ABL
15	5	8					****								KTX EP	
15	13	52					1.04								KTX EP	
15	15	3					1.21								KTX EP	
15	16	42					1.29								KTX EP	
25	1	27	49.29	31-33.56	102-34.59	3.89	2.79	9	284	29.0	0.14	10.5	40.0	D	KTT IP	ABN
26	15	22	17.67	31-47.69	102-35.30	0.75	3.03	11	281	28.9	0.16	4.1	19.6	D	KT9 EP	ABO
27	19	44					1.29								KTX EP	
28	17	21					2.08								KTX EP	
29	15	10					1.93								KTX EP	
30	15	44					1.89								KTX EP	
31	12	46	21.14	31-34.87	102-44.05	7.84	2.78	9	262	14.2	0.28	7.9	4.2	D	KTT EP	ABP

TABLE 1 LOCATION SUMMARY

1976		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH.	ERZ	Q	NEAR-STA	ID CODE
SEP	2	20	6					1.99								KTX EP	
	3	21	0	24.71	31-32.81	103-28.95	4.00	2.47	4	286	18.4	0.72			D	KTX EP	ABQ
	4	21	14					2.11								KTX EP	
	5	10	39	49.44	32- 9.71	103- 6.34	0.18	1.68	5	242	7.7	0.11	2.3	1.6	C	KT2 IP	ABR
	5	16	10	27.71	31-36.61	103-18.33	5.00*	2.24	3	188	9.0	0.02			C	KTX EP	ABS
	5	20	53					2.11								KTX EP	
	6	17	52					1.89								KTX EP	
	10	19	18	43.40	31-54.35	103- 5.11	5.00*	2.25	3	138	3.0	0.00			C	KT5 IPU	ABT
	10	19	25					2.22								KTX IP	
	17	2	47	45.38	32-12.73	103- 6.10	0.20	2.98	10	235	13.3	0.13	1.2	1.2	C	KT2 IP	ABU
	17	3	56	28.90	31-24.97	102-32.64	1.66	3.44	7	293	35.1	0.09	3.9	3.6	D	KTT IP	ABV
	19	10	23	24.38	32- 8.23	103- 5.43	7.29	2.41	6	299	5.0	0.34	10.2	5.2	D	KT2 IP	ABW
	22	20	13					1.42								KTX EP	
	22	21	0					1.36								KTX EP	

TABLE 1 LOCATION SUMMARY

1976	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
OCT 5	22	12					1.04								KTX IPU	
14	11	3	0.08	32-12.50	103- 4.43	2.74	2.32	6	262	13.1	0.30	6.0	4.3	D	KT2 IP	ABX
22	5	6	15.86	31-34.48	102-32.34	3.03	2.94	7	292	32.7	0.17	8.0	29.2	D	KTT IP	ABY
25	0	27	4.16	31-48.43	102-34.82	6.59	2.95	7	282	26.9	0.13	5.2	4.9	D	KT9AIP	ABZ
25	10	52	27.31	31-51.19	102-24.13	0.17	2.15	5	322	44.6	0.07	20.6	104.5	D	KT9AEP	ACD
26	10	44	44.08	31-19.56	103-16.95	0.46	2.81	7	166	22.7	0.31	3.4	3.9	C	KTX IPU	ACE

TABLE 1 LOCATION SUMMARY

1976		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
NOV	4	23	27	53.95	31-40.11	103-15.68	0.12	1.74	4	127	6.2	0.01			C	KT7 EP	ACF
	5	22	55	30.40	31-39.26	103-13.14	5.00*	1.63	3	143	12.9	0.00			C	KT8 EP	ACG
	6	22	30	23.58	31-40.83	103-15.58	0.16	1.64	4	116	5.4	0.08			C	KT7 EP	ACH
	26	3	9					1.66								KT2 IPD	

TABLE 1 LOCATION SUMMARY

1976	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
DEC 12	23	0	14.00	31-31.47	102-31.68	7.59	3.21	11	268	33.7	0.09	1.5	1.8	C	KTT IPD	ACI
12	23	25	55.99	31-32.83	102-34.59	0.13	2.33	7	264	29.0	0.16	8.1	62.7	D	KTT EP	ACJ
13	23	5	38.67	31-48.77	103-25.27	1.54	1.51	4	219	14.7	0.13			C	KT4 EP	ACK
14	19	54					1.42								KT4 EP	
14	23	28					1.42								KT4 EP	
15	8	51	43.94	31-37.49	102-41.00	5.00*	1.98	3	254	43.2	0.03			C	KT6AEP	ACL
15	17	28					1.73								KT7 EP	
15	18	1					1.59								KT7 EP	
15	17	28					1.73								KT7 EP	
15	18	1					1.62								KT7 EP	
15	18	20					1.73								KT7 EP	
15	19	4					1.73								KT7 EP	
15	19	20					1.73								KT7 EP	
15	23	9					1.73								KT7 EP	
15	23	11					1.96								KT7 EP	
16	18	37					1.21								KTX EP	
18	18	27	45.65	31-37.32	103- 1.07	0.17	2.26	6	120	10.8	0.15	0.6	1.4	B	KTEAIPU	ACM
19	1	35					0.33								KT7 IPU	
19	21	26	15.96	31-47.36	102-38.34	0.25	2.61	5	265	21.1	0.17	0.3	0.2	C	KT9AEP	ACN
19	23	53					0.88								KT2AEP	
19	23	54	22.66	32-10.72	103- 6.88	1.48	2.26	6	254	10.4	0.12	3.7	1.9	D	KT2AIPD	ACO
19	23	55					0.94								KT2AEP	
19	23	55					0.88								KT2AEP	
19	23	56	46.54	32-15.35	103- 4.98	1.04	2.85	6	277	18.1	0.23	7.3	3.9	D	KT2AIPD	ACP
22	7	17					0.53								KT7 IPU	
23	18	59					0.53								KT7 IPU	
23	22	44					0.33								KT7 IPU	
24	1	38					0.33								KT7 IPU	
24	5	26					0.53								KT7 IPU	
24	7	34	53.25	31-36.64	103-17.84	5.00*	1.45	3	180	8.9	0.47			D	KT7 IPU	ACQ
24	10	31					0.33								KT7 IPU	
24	19	24					0.08								KT7 IPU	
24	19	40					0.33								KT7 IPU	
25	1	23					0.94								KT4 IPD	
25	1	33					0.88								KT4 EP	
25	1	41					0.88								KT4 EP	
25	1	41					0.88								KT4 EP	
25	1	49					0.94								KT4 IPD	
25	2	13					0.94								KT4 EP	
25	2	16					1.09								KT4 EP	
25	2	30					1.17								KT4 IPD	
25	2	38					1.29								KT4 IPD	
25	3	0					1.21								KT4 IPD	
25	3	7					1.13								KT4 IPD	
25	3	36					1.36								KT4 EP	
25	3	38					1.29								KT4 IPD	
25	3	50					1.54								KT4 EP	
25	4	17					1.36								KT4 IPD	
25	4	25					1.48								KT4 EP	
25	4	34					1.21								KT4 EP	

1976	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
DEC 25	4	54					0.94								KT4 EP	
25	4	59					0.44								KT7 IPU	
25	5	0					0.82								KT4 EP	
25	5	8					0.82								KT4 EP	
25	5	16					0.76								KT4 EP	
25	5	58					0.33								KT7 IPU	
25	7	58					0.22								KT7 IPU	
25	12	35					0.33								KT7 IPU	
25	12	58	34.93	31-37.68	103-15.33	0.41	1.18	4	135	10.2	0.23			C	KT7 IPU	ACR
25	13	33					0.44								KT7 IPU	
25	17	0					****								KT7 IPU	
25	17	48					0.53								KT7 IPU	
25	20	2					0.33								KT7 IPU	
25	22	26					0.22								KT7 IPU	
26	3	55					0.33								KT7 IPU	
26	3	59					0.44								KT7 IPU	
26	7	26					0.33								KT7 IPU	
26	9	41					0.33								KT7 IPU	
26	9	58					0.08								KT7 IPU	
26	12	15	4.58	31-37.60	103-15.56	0.0	1.17	4	139	10.2	0.24			C	KT7 IPU	ACS
26	17	9					0.53								KT7 IPU	
26	22	16					0.69								KT7 IPU	
27	1	30					0.33								KT7 IPU	
27	4	23					0.33								KT7 IPU	
28	5	13					0.53								KT7 IPU	
28	7	14					0.33								KT7 IPU	
28	11	12					0.08								KT7 IPU	
28	18	38					0.44								KT7 IPU	
29	10	1					0.33								KT7 IPU	
29	13	18					0.33								KT7 IPU	

TABLE 1 LOCATION SUMMARY

1977	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JAN 4	22	58					1.73								KTX IPU	
5	22	33					1.04								KTX IPU	
6	23	27					1.42								KTX IPU	
8	20	20	27.21	31-30.25	102-58.80	5.00*	1.95	3	237	10.3	0.55			D	KTT IPU	ACT
12	15	6					0.33								KT7 EP	
13	17	53					0.76								KTX IPU	
14	10	34					0.33								KT7 IPU	
14	11	15					****								KT7 IPU	
14	11	18					1.13								KTX IPD	
14	13	33	33.40	31-35.92	103-18.35	5.00*	1.12	3	190	7.7	0.32			D	KTX IPD	ACU
16	22	31					0.76								KT7 IPU	
18	4	39	59.47	31-36.58	103-15.95	0.52	0.25	4	147	9.1	0.33			D	KTX IPU	ACW
20	23	1	1.19	31-36.63	103-15.93	5.00*	1.75	3	146	9.2	0.00			C	KTX IPD	ACX
22	9	7					0.08								KT7 IPU	

TABLE 1 LOCATION SUMMARY

1977	HR	MI	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
FEB 2	3	26					0.69								KT7 IPU	
2	5	32					0.08								KT7 EP	
3	1	27					0.69								KT7 IPD	
3	22	25					1.13								KT7 IPU	
3	23	38					0.76								KT7 IPD	
4	3	58					0.44								KT7 EP	
4	7	21					0.69								KT7 IPU	
4	7	40					0.53								KT7 EP	
5	7	19					0.53								KT7 EP	
5	7	34					0.53								KT7 EP	
5	18	17					0.53								KT7 EP	
5	21	4					0.53								KT7 IPU	
9	3	12					0.53								KT7 EP	
10	1	22	50.52	32-10.26	103- 6.00	2.04	2.03	6	200	9.1	0.22	3.2	2.9	D	KT2AIPU	ACY
18	14	10	36.76	32-11.85	103- 5.83	3.89	1.17	5	206	11.9	0.20	4.3	445.8	D	KT2AIPU	ADI
11	11	49					0.33								KT7 EP	
17	10	25					0.44								KT7 IPD	
21	2	1					0.44								KT7 IPU	
22	13	3					0.33								KT7 EP	

TABLE 1 LOCATION SUMMARY

1977		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAR	1	11	50	45.87	31-15.05	103-16.61	4.01	2.00	4	308	31.0	0.80			D	KTX IPD	ADA
	3	15	6					0.36								KTX IPU	
	5	22	56	9.97	31-18.09	102-39.22	2.14	2.35	9	314	34.6	0.27	23.1	358.4	D	KTT IPU	ADB
	6	23	10					0.44								KTX IPU	
	8	9	18					0.44								KT7 IPD	
	9	3	53					0.44								KT7 IPU	
	10	7	22					0.44								KT7 IPU	
	11	23	56					1.39								KT7 EP	
	12	0	5	23.83	31-37.17	103-17.64	5.00*	1.90	3	181	9.9	0.46			D	KT7 EP	ADC
	12	0	15					1.36								KT7 EP	
	14	11	20					0.44								KT7 EP	
	14	15	39					0.33								KT7 EP	
	20	7	54	7.96	32-12.40	103- 5.80	0.99	2.22	8	229	12.9	0.22	3.3	2.5	D	KT2AIPU	ADJ
	20	3	1					0.22								KTX IPU	
	20	3	26					0.53								KTX IPU	
	20	5	29					0.33								KTX EP	
	21	6	17					1.29								KTX IPU	
	17	15	14	13.27	32- 8.31	103- 4.16	2.21	0.95	6	320	5.1	0.16	5.5	2.3	D	KT2AIPU	ADD
	22	1	59					0.69								KTX EP	
	22	14	5					0.53								KT7 EP	
	23	11	2	51.83	31-48.50	102-30.68	4.69	1.93	6	312	33.3	0.15	17.9	262.9	D	KT9AEP	ADE
	24	10	31	36.26	31-36.89	103-16.26	3.93	0.81	4	152	9.5	0.01			C	KTX IPU	ADF
	24	21	13	10.42	31-40.19	102-57.03	2.65	1.77	4	131	12.5	0.01			C	KT9AEP	ADG
	29	5	10					0.22								KTX IPD	
	29	0	35	34.92	31-36.99	103-16.41	3.43	1.67	5	154	9.7	0.01	0.2	0.2	C	KTX IPD	ADH

TABLE 1 LOCATION SUMMARY

1977		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
APR	2	19	23					0.08								KTT EP	
	3	12	36	59.05	31-14.00	102-59.75	5.00*	1.70	3	337	40.0	0.26			C	KTEAIP	AOK
	3	12	39	57.38	31-15.49	103- 1.74	5.00*	1.91	3	334	36.5	0.20			C	KTEAEP	ADL
	3	13	48	9.15	31-29.62	103-10.45	0.12	2.36	5	212	10.7	0.30	5.4	5.2	D	KTEAEP	ADM
	3	14	24	7.11	31-29.38	103-10.42	0.04	2.43	6	215	11.1	0.25	2.6	2.3	D	KTEAEP	ADN
	3	15	5					0.33								KT7 EP	
	4	0	44	5.30	31-29.08	103-10.38	0.29	2.37	5	218	11.5	0.47	6.1	5.1	D	KTEAEP	ADO
	4	0	57					1.48								KTEAEP	
	4	1	33	3.87	31-18.85	103- 3.54	5.00*	1.70	3	329	29.8	0.15			C	KTEAEP	ADP
	4	1	47	50.36	31-26.59	103-10.88	3.96	2.11	5	245	14.1	0.44	13.9	984.8	D	KTEAEP	ADQ
	4	4	35	56.80	31-29.75	103-10.13	0.41	2.11	6	210	10.2	0.27	1.6	1.4	C	KTEAEP	ADR
	4	4	47	29.90	31-29.51	103-10.34	0.17	1.77	5	213	10.8	0.21	2.6	2.5	D	KTEAIPU	ADS
	4	5	1	29.84	31-13.52	103- 0.47	5.00*	2.09	3	337	40.5	0.24			C	KTEAEP	ADT
	4	21	40	16.25	31-35.28	103-18.82	5.00*	1.68	3	199	6.8	0.22			C	KTX EP	ADU
	4	22	35	53.95	31-35.13	103-17.85	5.00*	1.77	3	184	6.1	0.25			C	KTX EP	ADV
	5	19	23	3.16	31-35.05	103-18.18	5.00*	1.60	3	190	6.1	0.23			C	KTX EP	ADW
	5	23	38					1.04								KTX EP	
	6	23	22	30.85	31-35.28	103-18.82	5.00*	1.66	3	199	6.8	0.22			C	KTX EP	ADX
	7	5	45	39.43	32-14.10	103- 4.29	1.53	2.91	7	314	15.8	0.18	16.8	5.2	D	KT2AIPU	ADY
	7	18	56	55.56	31-35.53	103-17.87	5.00*	1.67	3	183	6.9	0.28			C	KTX EP	ADZ
	7	22	32	29.28	31-36.06	103-17.98	5.00*	1.78	3	184	7.9	0.21			C	KTX EP	AEA
	8	17	6					0.82								KTX EP	
	8	23	45					0.61								KT4 EP	
	9	9	44	39.54	31-36.91	103-16.50	4.12	0.64	4	156	9.5	0.02			C	KTX IPD	AEB
	9	11	4	14.24	31-37.10	103-16.01	1.80	0.56	4	147	10.0	0.00			C	KTX IPU	AEC
	9	22	17					0.77								KT4 IPU	
	9	22	26					0.69								KT4 IPU	
	9	22	33					0.76								KT4 IPU	
	10	10	48					1.54								KT7 EP	
	10	11	18					1.64								KT7 EP	
	12	23	18	26.44	31-15.75	102-36.70	0.21	2.24	9	318	40.4	0.22	23.4	294.4	D	KTT EP	AED
	12	22	39					0.33								KT7 EP	
	14	6	4	36.34	32-10.95	103- 6.45	2.97	0.92	4	282	10.5	0.12			C	KT2AIPU	AEE
	17	21	47					1.29								KTT EP	
	15	18	19					0.33								KTX IPD	
	16	1	21	11.35	31-36.69	103-18.27	5.00*	0.51	3	187	9.1	0.23			C	KTX IPD	AEF
	16	6	44	21.98	31-37.05	103-15.89	3.91	1.26	4	145	9.9	0.03			C	KTX IP	AEG
	16	14	33	39.61	31-36.72	103-15.02	0.34	0.52	7	131	9.8	0.42	1.0	1.3	C	KTX IPU	AEH
	17	20	52	38.26	31-37.60	103-18.46	5.00*	0.63	3	188	9.2	0.06			C	KT7 IPU	AEI
	18	15	23					0.53								KTX IPD	
	18	18	8	24.08	31-36.39	103-15.96	6.63	2.14	7	147	8.7	0.14	1.8	6.4	C	KTX IPU	AEJ
	18	21	51					0.33								KT7 EP	
	19	22	55					1.64								KTT EP	
	20	12	59	58.72	31-36.54	103-18.75	5.00*	0.74	3	194	9.0	0.18			C	KTX IPD	AEK
	20	15	54	19.49	31-36.47	103-21.63	5.00*	0.19	3	243	10.9	0.05			C	KTX IPD	AEL
	21	15	29					0.08								KT7 EP	
	22	22	56	35.08	32-15.00	103- 3.78	5.00*	0.88	3	330	17.5	0.00			C	KT2AIPU	AEM
	23	18	58	46.69	31-35.61	103- 8.55	0.01	0.69	4	207	20.1	0.91			D	KTT IPD	AEN
	25	10	12	51.11	32- 4.91	102-47.30	5.94	1.35	6	275	26.0	0.07	1.4	17.6	D	KT2AEP	AEO
	25	18	54					0.33								KTX EP	

1977	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
APR 25	20	23					0.82								KTT EP	
26	9	3	7.34	31-54.13	103- 4.95	4.02	3.10	8	126	9.2	0.07	0.5	98.5	C	KT5AIPU	AEP
26	9	5	50.39	31-53.44	103- 5.41	2.67	1.06	5	135	8.6	0.02	0.4	0.5	C	KT5AIPU	AEQ
26	18	30					1.04								KT9AEP	
28	12	54	36.93	31-48.34	102-30.43	0.46	2.16	7	290	33.7	0.27	14.1	418.5	D	KT9AEP	AES
28	12	55	40.47	31-47.52	102-35.13	4.21	2.17	7	280	26.1	0.14	5.2	220.9	D	KT9AEP	AET
28	12	57	20.33	31-47.79	102-35.57	4.77	1.73	7	278	39.2	0.17	2.1	252.5	D	KTT EP	AEU
28	15	22	37.68	31-47.59	102-36.78	3.14	2.46	8	275	23.6	0.19	6.4	8.6	D	KT9AIPD	AEV
29	3	9	40.38	31-47.70	102-34.55	1.25	1.73	6	306	27.1	0.12	11.7	214.0	D	KT9AEP	AEW

TABLE 1 LOCATION SUMMARY

1977		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAY	1	21	33	53.72	31-26.86	103- 9.30	5.00*	1.89	3	321	14.9	0.02			C	KTEAIPU	AEX
	2	17	8					2.02								KT9AEP	
	7	17	32	58.67	31-36.74	103-22.79	0.73	0.73	4	234	12.5	0.00			C	KT7 IPU	AEY
	19	4	25	30.60	31-37.05	103-15.65	0.20	1.00	4	141	10.0	0.15			C	KTX EP	AEZ
	31	8	13					1.04								KT7 IPU	

TABLE 1 LOCATION SUMMARY

1977		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUN	9	5	25					0.53								KT7 IPU	
	9	9	10					0.08								KT7 EP	
	9	9	42					0.33								KT7 EP	
	9	11	37	35.36	31-36.76	103-15.63	5.00*	1.33	3	232	11.5	0.01			C	KT7 IPU	AFA
	9	12	18					0.53								KT7 EP	
	9	12	44					0.44								KT7 EP	
	14	18	5					1.48								KT5AEP	
	17	21	53					2.29								KT5AIPU	
	24	3	19					-.27								KT2AIPD	
	24	21	11					1.36								KT2AIPD	
	27	15	58					0.44								KT7 EP	
	29	23	59	46.57	31-32.60	103-17.80	0.14	2.76	5	202	1.6	0.45	0.6	0.8	D	KTX EP	AFB

TABLE 1 LOCATION SUMMARY

1977	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUL 1	1	6	18.20	31-30.26	103-20.18	5.00*	2.45	3	299	5.3	0.73			D	KTX EP	AFC
6	5	27					0.44								KT7 IPU	
6	20	57					0.22								KT7 EP	
11	12	31	55.67	31-47.13	102-43.53	2.93	2.74	10	269	13.1	0.13	1.3	1.0	C	KT9AIPD	AFD
11	13	29	49.80	31-47.57	102-43.57	2.49	2.19	9	273	13.3	0.12	1.4	1.1	C	KT9AIPD	AFE
12	17	6	6.30	31-47.14	102-42.89	4.86	2.44	9	275	14.0	0.12	1.3	13.4	D	KT9AIPD	AFF
18	12	37	30.57	31-47.76	102-44.27	0.97	2.90	8	266	12.4	0.14	1.7	1.4	C	KT9AIPD	AFG
22	4	1	10.09	31-47.76	102-43.95	3.42	3.35	8	268	12.9	0.10	2.7	135.8	D	KT9AIPD	AFH
22	4	18	10.47	31-47.80	102-44.02	2.30	2.50	7	271	12.8	0.13	2.0	1.4	C	KT9AEP	AFI
22	4	36	50.95	31-48.47	102-45.18	0.38	1.67	6	264	11.8	0.09	2.2	1.4	C	KT9AIPD	AFJ
23	22	46					0.53								KT5AIPD	
24	9	23	0.45	31-48.05	102-44.07	2.04	2.49	10	267	12.9	0.14	1.5	1.2	C	KT9AIPD	AFK
24	16	49					0.88								KT9AIPD	
24	21	3					1.13								KTX IPU	
25	14	52					0.76								KTX IPU	
25	17	45	48.07	31-34.21	103-18.22	5.00*	1.27	3	196	4.6	0.00			C	KTX IPU	AFL
25	19	44					0.53								KT7 IPU	
26	2	1	9.26	31-48.32	102-46.16	0.27	1.45	9	257	10.4	0.17	2.4	1.8	C	KT9AIPD	AFM
26	3	38					0.44								KT7 EP	
26	13	22	2.72	31-48.47	102-45.02	0.09	1.17	4	266	12.0	0.01			C	KT9AIPD	AFN
27	16	28					0.88								KTX IPU	
27	16	58	38.48	31-35.07	103-27.23	5.00*	1.31	3	294	16.7	0.01			C	KTX IPU	AFO

TABLE 1 LOCATION SUMMARY

1977		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG	1	3	26					1.73								KT9AEP	
	1	22	29	9.78	31-36.26	103-23.48	5.00*	0.48	3	265	12.7	0.00			C	KTX EP	AFP
	2	21	18					1.42								KT1 EP	
	3	2	12					****								KT4 EP	
	6	11	9					2.02								KTX EP	
	8	7	39	39.15	31-42.65	103- 8.65	5.00*	0.44	3	262	14.9	0.02			C	KTEAIPD	AFQ
	8	8	7					0.33								KT7 EP	
	10	6	32					0.53								KT7 EP	
	10	12	54	13.13	31-37.43	103-24.27	5.00*	0.52	3	271	13.3	0.01			C	KT7 EP	AFR
	11	0	27	26.83	31-37.34	103-22.74	0.20	0.43	4	255	11.9	0.01			C	KT7 IPD	AFS
	11	4	15					0.44								KT7 EP	
	11	9	36					0.08								KT7 EP	
	11	9	9	3.18	31-37.96	103-17.91	10.18	0.64	4	181	8.5	0.00			C	KT7 IPD	AFT
	12	7	49	11.40	31-23.87	103-26.82	5.00*	2.00	5	315	21.0	1.03	23.8	247.8	D	KTX IPD	AFU
	12	9	33					0.22								KT7 EP	
	12	17	52	56.98	31-37.27	103-21.61	5.00*	0.65	3	241	11.0	0.01			C	KT7 IPD	AFV
	12	23	12					0.33								KT7 EP	
	20	2	29	22.18	31-35.79	103-20.04	2.13	2.32	4	210	8.4	0.69			D	KTX IP	AFW
	20	3	42					1.45								KTX EP	
	21	3	1					****								KTX IPD	
	22	12	30					****								KTX IPD	
	22	15	57					0.88								KTX IPD	
	22	17	54					1.04								KTX IPU	
	25	5	56	19.71	31-37.44	103-18.34	5.00*	1.16	3	187	9.5	0.06			C	KT7 IPU	AFX
	26	16	25					0.94								KTX IPU	
	26	19	35					0.82								KTX EP	
	26	20	46					0.53								KTX EP	
	27	15	59					0.69								KTX EP	
	28	21	24					0.88								KTX IPU	

TABLE 1 LOCATION SUMMARY

1977		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
SEP	3	9	2					1.21								KT9AEP	
	3	22	38					****								KT9AEP	
	5	1	24					1.48								KT9AEP	
	7	16	56					****								KT4 EP	
	27	9	50	41.96	32- 9.38	102-47.45	5.00*	0.95	3	304	20.4	0.00			C	KT6AEP	AFY
	27	18	44					1.17								KTX EP	
	28	2	3	55.69	31-56.36	102-58.55	5.00*	0.92	3	198	11.7	0.00			C	KT6AEP	AFZ

TABLE 1 LOCATION SUMMARY

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	23.23	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	36.28	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	6.20	32- 5.65	102-56.05	5.00*	0.87	3	242	13.0	0.01			C	KT2AIPD	AGC
17	21	24	43.15	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	4.59	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	32.18	31-30.90	102-30.58	5.00*	1.81	6	304	61.7	0.07	1.0	119.1	D	KT6AEP	AGF
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	43.78	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

1977	HR	MN	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	43					0.82								KTX IPU	
18	17	42					0.76								KTX EP	
18	19	12					0.76								KTX EP	
19	5	40					0.33								KTX EP	
19	8	31					0.53								KTX EP	
19	11	3					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					0.27								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	

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

TABLE 1 LOCATION SUMMARY

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	49					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	49					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
	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

1977	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
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	15	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	AII
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	36					****								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								KTX 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*	0.24	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	
25	21	36					0.44								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

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	B	KIE IPD	AIY
30	3	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	B	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 1 LOCATION SUMMARY

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	KIE 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	103-14.89	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	KIE 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

1973		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	9	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	103-15.80	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	13	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	15	5					0.82								KMT IPD	
	13	0	1	35.18	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

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	24					0.33								KMT IPD	
16	22	3					0.44								KMT IPD	
17	2	9	32.86	31-36.81	103-15.15	4.06	0.49	6	123	3.6	0.05	0.4	0.2	B	KMT IPD	ANE
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	4.07	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

TABLE 1 LOCATION SUMMARY

1978		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	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 EP	
	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 EP	
	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 1 LOCATION SUMMARY

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	19	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	
	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	3	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	25.30	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

1979		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	APO
	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	B	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	B	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	B	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	B	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	15	4	49.20	31-38.24	103-16.08	4.23	0.44	6	141	2.6	0.03	0.3	0.5	B	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	B	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 1 LOCATION SUMMARY

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	9	57	51.26	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	53.68	31-34.55	102-33.41	4.59	3.58	10	299	34.2	0.11	5.7	146.8	D	KM9 IPD	ARD
	2	11	55	57.08	31-35.24	102-36.40	0.29	2.57	5	293	29.6	0.10	9.0	222.6	D	KM9 EP	ARE
	2	11	27	9.36	31-36.56	102-41.61	0.56	1.98	4	306	21.8	0.15			C	KM9 EP	ARF
	3	14	45	29.30	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					0.08								KMT IPU	
	14	3	0					****								KM9 EP	
	16	19	34					****								KM9 EP	
	19	19	48	48.58	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 1 LOCATION SUMMARY

1978		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
APR	7	0	57	30.76	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	51.63	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	55.71	31-22.38	102-47.14	47.99	****	4	313	42.1	0.71			D	KM9 EP	ARK
	9	9	57					****								KM9 EP	
	9	9	18					****								KTX EP	
	12	5	6	6.45	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	18.13	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	42.61	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					-.07								KMT IPD	
	18	9	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 1 LOCATION SUMMARY

1978		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUN	4	20	1					0.53								KM3 IPU	
	4	19	24					****								KM5 EP	
	5	14	59					****								KM5 IPD	
	5	15	14	30.33	31-37.18	103-15.37	2.71	0.52	8	94	3.1	0.11	0.5	0.9	B	KKT IPD	ARS
	6	0	30					****								KM9 IPU	
	6	1	54					****								KM9 IPU	
	6	6	54					****								KM9 IPU	
	10	4	58	53.07	31-53.33	103- 4.75	5.00*	0.86	3	217	7.8	0.17			C	KM5 IPU	ART
	10	5	7	13.82	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	18.51	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	5.22	31-30.01	102-59.89	5.00*	0.61	3	342	28.1	0.26			C	KM3 IPD	ARW
	16	19	15	52.53	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	50.34	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	21.73	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	43.52	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	51.21	31-40.71	103-14.71	5.77	0.92	4	151	3.4	0.00			C	KM3 IP	ASB
	16	20	24	21.97	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	7.18	31-41.04	103-13.75	6.72	0.56	4	179	2.0	0.00			C	KM3 IPD	ASD
	16	20	42	52.39	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	20.57	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	43.47	31-33.22	103-17.39	14.69	0.26	4	326	7.6	0.00			C	KKT IPU	ASG
	26	9	32	8.03	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					-.07								KKT IPD	
	28	4	3					2.69								KTX EP	
	29	6	12	51.53	31-39.12	103-17.43	5.00*	0.46	3	252	3.2	0.00			C	KKT IP	ASI
	29	6	56	24.84	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					0.08								KKT IP	
	29	19	32	49.14	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 1 LOCATION SUMMARY

1978		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUL	1	1	26	50.68	31-38.05	103-15.69	2.25	0.48	7	89	2.9	0.17	0.9	3.4	B	KKT IP	ASL
	1	8	59	45.57	30-50.17	101-21.93	18.75	****	11	3411	74.2	0.85	304.1	199.3	D	KT1 IPD	ASM
	2	2	56	0.92	31-16.73	102-15.28	19.62	****	8	322	95.9	0.56	98.9	795.7	D	KM3 IPU	ASN
	2	4	14					****								KT1 IPU	
	2	12	14	28.24	31-37.54	103-15.84	8.13	0.40	4	220	2.4	0.00			C	KKT IP	ASO
	2	13	44					****								KM6 IPU	
	2	20	7	24.21	31-35.96	103-15.37	6.50	0.49	4	228	4.0	0.00			C	KKT IP	ASP
	3	4	23	27.63	31-40.47	102-59.47	19.51	****	11	183	15.2	1.10	5.1	6.6	D	KT1 IPU	ASQ
	3	8	14	23.32	31-36.80	103-14.73	4.49	0.67	7	106	4.2	0.09	0.6	1.7	B	KIE IP	ASR
	3	21	13					****								KM2 IPU	
	4	22	42					-.07								KKT IPD	
	5	2	45	6.63	31-48.22	102-35.27	4.40	1.82	5	309	26.2	0.22	7.6	493.5	D	KM9 EP	ASS
	5	10	40					****								KM9 EP	
	5	10	51	20.08	31-37.42	103-14.69	0.01	0.30	4	239	4.2	0.02			C	KKT IPD	AST
	5	18	7					-.07								KKT IPD	
	5	20	18					****								KTX EP	
	5	22	3	18.97	31-37.83	103-15.63	5.10	0.53	6	151	2.8	0.04	0.3	0.7	B	KKT IPD	ASU
	5	23	21	38.78	31-38.02	103-15.77	5.00*	0.10	3	198	2.8	0.07			C	KKT IPD	ASV
	6	1	3	31.32	31-37.81	103-15.31	4.23	0.87	4	144	3.3	0.01			C	KKT IP	ASX
	6	5	9	3.02	31-32.58	102-52.70	55.00	****	10	263	22.9	0.53	22.2	23.8	D	KKT EP	ASY
	6	6	5					0.08								KKT IPD	
	7	2	31	46.89	31-37.94	103-16.00	4.70	0.34	5	164	2.3	0.05	1.3	1.5	C	KKT IPD	ASZ
	7	17	43	23.56	31-37.56	103-15.55	4.31	0.54	5	137	2.8	0.05	1.0	1.8	C	KKT IPD	ATA
	9	10	45	38.14	31-37.63	103-15.61	3.28	0.52	5	141	2.8	0.05	0.8	1.1	C	KKT IP	ATB
	9	12	58	10.67	31-37.48	103-16.08	5.56	0.48	5	157	2.0	0.01	0.1	0.1	C	KKT IP	ATC
	10	6	29	17.41	31-37.77	103-15.62	1.91	0.31	6	148	2.8	0.12	1.4	2.8	C	KKT IPD	ATD
	11	12	24	57.55	31-41.92	102-57.07	38.53	****	10	181	10.5	0.63	2.0	3.3	D	KT1 IPD	ATE
	11	17	2					****								KT4 IPD	
	13	17	21					****								KTX IPU	
	15	17	57					****								KT7 EP	
	15	23	40	5.85	31-37.64	103-15.49	5.56	0.55	7	149	3.0	0.04	0.3	0.5	B	KKT IPD	ATF
	16	1	30					-.07								KKT IPD	
	16	17	7					****								KM9 EP	
	17	0	21					****								KT7 EP	
	17	5	17					****								KM9 EP	
	17	9	24					****								KM6 EP	
	17	13	20					****								KM9 EP	
	17	13	38					****								KT7 EP	
	17	22	50	23.27	31-21.06	102-27.92	19.79	****	6	313	75.7	0.22	33.6	384.1	D	KM3 EP	ATG
	18	3	8					****								KM9 EP	
	18	12	7	45.38	30-52.53	103-35.70	6.67	****	8	337	78.2	0.23	94.0	18.5	D	KM3 EP	ATH
	19	14	33					****								KM9 EP	
	19	9	39					****								KT4 EP	
	20	0	7	9.95	31-37.97	103-16.59	4.41	0.63	5	174	1.6	0.06	1.2	2.3	C	KKT IPD	ATI
	20	0	8					0.53								KKT IPD	
	20	0	10	55.46	31-37.41	103-16.44	4.80	1.11	4	162	1.4	0.00			C	KKT IPD	ATJ
	20	0	51					-.27								KKT IPD	
	20	0	55	46.32	31-38.68	103-16.57	0.54	0.55	4	146	2.7	0.06			C	KKT IPD	ATK
	20	1	25					0.33								KKT IPD	
	20	3	40					0.08								KKT IPD	

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUL 20	3	44	33.41	31-38.29	103-15.77	3.51	0.96	4	117	3.0	0.00			C	KKT IPD	ATL
20	4	40	4.94	31-38.08	103-15.92	5.00*	0.55	3	191	2.6	0.00			C	KKT IPD	ATM
20	4	44					-.27								KKT IPD	
20	9	39					****								KM9 EP	
20	10	25					-.27								KKT IPD	
20	12	13	48.83	31-37.49	103-16.47	5.00*	0.36	3	213	1.4	0.00			C	KKT IPD	ATN
20	18	25					****								KT7 IPU	
21	5	3					****								KT7 EM	
21	19	10					****								KM3 IPD	
21	20	35	49.46	31-48.89	103- 9.10	0.03	****	6	93	18.7	2.42	48.7	103.4	D	KT4 IPD	ATO
23	9	23	17.19	31-37.39	103-16.87	4.77	0.81	7	163	0.7	0.06	0.5	0.5	B	KKT IP	ATP
23	15	1					****								KM2 IPD	
23	15	12					****								KM3 IPD	
23	19	2	45.65	31-37.81	103-16.46	6.39	0.68	5	189	1.6	0.01	0.1	0.2	C	KKT IP	ATQ
23	23	20					0.82								KKT IP	
23	23	20					****								KKT EP	
24	5	4	8.26	31-36.85	103-16.02	6.25	0.69	6	197	2.3	0.04	0.4	0.8	C	KKT IP	ATR
24	8	9					****								KM9 IPU	
25	14	53	56.11	31-37.13	103-15.16	5.00*	0.36	3	245	3.5	0.00			C	KKT IPD	ATS
25	15	39					****								KM9 EP	
25	23	36					****								KM2 EP	
26	19	50	53.92	31-27.48	102-51.53	0.62	****	5	294	32.2	0.07	7.5	149.6	D	KM9 EP	ATT
27	4	55	43.67	31-37.80	103-17.38	5.00*	0.28	3	184	0.8	0.11			C	KKT EP	ATU
27	11	47					0.08								KKT IPD	
28	13	1	18.69	32- 4.82	103- 8.60	12.90	****	4	272	28.6	1.13			D	KM6 IPD	ATV
28	20	14	59.36	31-41.51	103- 1.59	5.00*	****	3	267	15.5	0.04			C	KM5 IPD	ATX
28	21	27	28.14	31-48.56	102-50.54	5.00*	****	3	197	6.9	0.00			C	KM9 IPU	ATY
29	12	42					****								KM3 IPU	
29	13	2					****								KM3 IPU	
29	14	42					****								KM9 IPD	
29	20	54	13.60	31- 6.72	102-31.37	12.16	****	9	326	77.3	0.18	38.4	5.7	D	KM9 IPD	ATZ
30	14	31					****								KM9 IPU	
31	17	22					0.08								KKT IPD	
31	20	23					****								KM9 IPD	

TABLE 1 LOCATION SUMMARY

1978		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG	1	7	54	11.08	31-37.32	103-15.00	5.00*	0.19	3	239	3.7	0.00			C	KKT IP	AUA
	1	8	2	42.82	31-36.80	103-15.81	5.54	0.46	4	257	2.6	0.00			C	KKT IPD	AUB
	1	20	6					****								KM9 IPD	
	2	7	15	29.56	31-37.35	103-15.40	4.79	0.36	7	164	3.0	0.02	0.1	0.2	B	KKT IPD	AUC
	2	21	36	49.04	31-36.41	103-16.24	7.49	0.30	4	226	2.5	0.00			C	KKT IP	AUD
	3	0	6					****								KT7 IPU	
	3	1	30					****								KM2 IPD	
	3	15	35					****								KT7 EP	
	3	18	21					****								KM9 EP	
	3	22	45					****								KKT IPD	
	4	7	59	23.72	31-37.07	103-14.95	5.00*	0.24	3	248	3.8	0.00			C	KKT IPD	AUE
	4	12	31					****								KM9 EP	
	4	22	41	57.73	31-37.28	103-15.94	5.00*	0.36	3	233	2.2	0.00			C	KKT IPD	AUF
	4	23	42					0.08								KKT IPD	
	5	5	36					0.08								KKT IPD	
	5	8	54	53.92	31-37.13	103-14.91	4.06	0.55	4	247	3.9	0.00			C	KKT IPD	AUG
	5	11	20	2.76	31-36.72	103-15.13	4.59	0.71	7	105	3.7	0.07	0.5	1.2	B	KKT IPD	AUH
	5	19	11					****								KM2 IPD	
	5	22	46	2.44	31-37.31	103-16.53	5.00*	0.19	3	229	1.3	0.00			C	KKT IPD	AUI
	6	4	33	27.30	31-36.47	103-15.15	4.99	0.46	6	267	3.8	0.04	0.6	0.6	C	KKT IP	AUJ
	6	6	23	32.61	31-37.33	103-14.70	5.94	0.34	6	242	4.2	0.03	0.3	0.4	C	KKT IP	AUK
	6	7	18	45.21	31-37.99	103-16.41	6.00	0.27	6	180	1.9	0.09	0.9	1.2	B	KKT IPD	AUL
	6	17	30					****								KM9 IPD	
	6	21	52	21.46	31-36.46	103-15.21	6.48	0.36	6	268	3.7	0.02	0.3	0.3	C	KKT IP	AUM
	7	10	17	48.48	31-36.68	103-14.88	4.89	0.56	9	108	4.1	0.08	0.4	0.8	B	KKT IPU	AUN
	7	12	16	26.40	31-36.99	103-14.48	7.67	0.56	9	102	4.5	0.10	0.6	1.1	B	KKT IPU	AUO
	7	19	49	38.09	31-37.41	103-15.18	4.05	0.36	6	90	3.4	0.01	0.1	0.1	A	KKT EP	AUP
	8	15	38	32.54	31-37.13	103-16.00	5.00*	0.55	3	180	2.1	0.00			C	KKT IPD	AUQ
	9	1	0					****								KT7 IPU	
	9	2	28	47.23	31-37.19	103-15.23	5.09	0.39	8	94	3.3	0.06	0.4	0.9	B	KKT IP	AUR
	9	18	11					****								KM2 IPU	
	9	21	4	11.60	31-37.04	103-15.86	7.09	0.36	4	246	2.4	0.00			C	KKT IP	AUS
	10	3	10	55.86	31-37.12	103-16.07	6.87	0.47	4	242	2.0	0.00			C	KKT IP	AUT
	10	4	18					****								KM9 IPD	
	10	6	43	44.19	31-37.73	103-16.07	6.44	0.27	6	205	2.1	0.04	0.5	0.6	C	KKT IP	AUU
	10	8	11					****								KM2 IPU	
	10	10	8	14.65	31-37.63	103-16.46	5.81	0.34	5	202	1.5	0.02	0.3	0.7	C	KKT IP	AUV
	10	13	42	5.25	31-36.55	103-15.06	6.31	0.31	5	265	3.9	0.00	0.1	0.1	C	KKT IP	AUW
	10	20	13					****								KM9 IPD	
	21	0	39					2.33								KM9 EP	
	11	9	8	27.87	31-37.97	103-15.95	4.18	0.95	5	93	2.5	0.05	0.7	0.5	C	KKT IPD	AUX
	11	10	47	18.78	31-37.51	103-16.76	4.88	0.48	5	137	0.9	0.07	1.1	1.4	C	KKT IPD	AUY
	11	16	50	18.76	31-37.11	103-14.91	4.07	0.76	5	97	3.9	0.00	0.0	0.0	C	KKT IPD	AUZ
	11	17	55	58.37	31-38.03	103-15.66	4.18	0.53	4	143	2.9	0.00			C	KKT IP	AVA
	11	18	41	16.13	31-38.03	103-16.15	4.61	0.82	5	101	2.2	0.02	0.3	0.6	C	KKT IPD	AVB
	11	18	44	15.62	31-37.87	103-15.68	4.70	0.87	5	84	2.8	0.00	0.0	0.0	C	KKT IPD	AVC
	11	18	58	42.06	31-37.96	103-15.89	4.55	0.52	5	91	2.5	0.01	0.1	0.2	C	KKT IPD	AVD
	11	19	16	26.09	31-38.16	103-15.92	3.94	1.02	5	98	2.7	0.02	0.2	0.2	C	KKT IP	AVE
	11	21	27	34.52	31-37.78	103-15.99	5.00*	0.24	3	204	2.3	0.00			C	KKT IPD	AVF
	11	23	29	49.95	31-38.10	103-16.48	5.00*	0.36	3	172	1.9	0.00			C	KKT IPD	AVG

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG 12	0	4	53.84	31-38.05	103-16.33	4.42	0.65	7	108	2.0	0.09	0.7	1.3	B	KKT IPD	AVH
12	0	13	35.91	31-39.17	103-17.58	5.00*	0.10	3	258	3.4	0.01			C	KKT IPD	AVI
12	0	22					0.08								KKT IPD	
12	0	29	33.92	31-37.79	103-16.25	4.83	0.36	5	197	1.9	0.02	0.4	0.7	C	KKT IPD	AVJ
12	1	9	33.03	31-37.95	103-15.97	4.11	0.82	6	93	2.4	0.02	0.2	0.1	B	KKT IPD	AVK
12	1	20	48.56	31-37.12	103-16.07	6.87	0.36	4	242	2.0	0.00			C	KKT IPD	AVL
12	1	45	19.11	31-38.87	103-17.55	5.00*	0.10	3	254	2.8	0.02			C	KKT IPD	AVM
12	1	59					0.08								KKT IPD	
12	2	22	55.17	31-37.46	103-15.99	6.45	0.24	4	222	2.1	0.00			C	KKT IPD	AVN
12	2	41					0.08								KKT IPD	
12	3	4	46.74	31-37.52	103-16.14	5.59	0.24	5	217	1.9	0.02	0.5	0.3	C	KKT IPD	AVO
12	3	7	59.60	31-37.24	103-16.16	5.90	0.24	5	235	1.9	0.01	0.3	0.2	C	KKT IPD	AVP
12	4	22					0.08								KKT IPD	
12	5	1	57.07	31-37.11	103-15.92	6.37	0.24	4	242	2.3	0.00			C	KKT IPD	AVQ
12	5	10					0.08								KKT IPD	
12	5	33					0.08								KKT IPD	
12	5	38					0.22								KKT IPD	
12	5	50	47.23	31-38.04	103-16.38	5.23	0.70	6	109	2.0	0.05	0.4	0.8	B	KKT IPD	AVR
12	5	58	9.70	31-39.01	103-17.56	5.00*	0.35	3	256	3.1	0.00			C	KKT IPD	AVS
12	6	15	48.64	31-38.36	103-15.68	1.43	0.24	4	185	3.2	0.00			C	KKT IPD	AVT
12	6	29	20.68	31-38.07	103-16.27	5.53	0.55	7	106	2.1	0.05	0.4	0.4	B	KKT IPD	AVU
12	6	53					0.08								KKT IPD	
12	7	2	6.25	31-38.10	103-16.08	4.32	0.64	5	101	2.4	0.03	0.5	0.7	C	KKT IPD	AVV
12	7	6					0.08								KKT IPD	
12	7	6	59.66	31-37.52	103-16.40	5.48	0.36	5	212	1.5	0.03	0.7	0.5	C	KKT IPD	AVW
12	7	38	44.82	31-37.78	103-15.99	5.00*	0.36	3	204	2.3	0.00			C	KKT EP	AVX
12	7	50	35.46	31-37.65	103-16.23	5.00*	0.24	3	207	1.8	0.00			C	KKT IPD	AVY
12	7	56					0.33								KKT IPD	
12	7	58	47.29	31-37.93	103-15.94	3.69	0.54	5	91	2.4	0.03	0.4	0.3	C	KKT IPD	AVZ
12	8	2	18.45	31-38.17	103-16.10	4.27	0.66	5	104	2.5	0.00	0.1	0.1	C	KKT IPD	AWA
12	8	16	34.77	31-37.39	103-16.04	6.14	0.24	4	226	2.0	0.00			C	KKT IPD	AWB
12	8	18	38.32	31-37.78	103-15.99	5.00*	0.24	3	204	2.3	0.00			C	KKT IPD	AWC
12	8	29	1.91	31-38.86	103-17.39	5.00*	0.10	3	248	2.8	0.01			C	KKT IPD	AWD
12	8	29					0.08								KKT IPD	
12	9	13	59.39	31-38.00	103-15.99	4.37	0.36	4	127	2.4	0.00			C	KKT IPD	AWE
12	9	44					0.08								KKT IPD	
12	9	51	21.31	31-37.46	103-16.12	5.00*	0.24	3	221	1.9	0.02			C	KKT IPD	AWF
12	9	56	23.67	31-37.78	103-15.99	5.00*	0.36	3	204	2.3	0.00			C	KKT IPD	AWG
12	9	56	53.57	31-37.46	103-15.92	5.00*	0.11	3	223	2.2	0.00			C	KKT IPD	AWH
12	10	34	51.37	31-37.41	103-16.14	5.47	0.36	5	162	1.9	0.02	0.2	0.4	C	KKT IPD	AWI
12	10	47	15.63	31-38.58	103-16.02	0.04	0.36	4	168	3.1	0.00			C	KKT IPD	AWJ
12	10	54					0.08								KKT IPD	
12	10	54					0.08								KKT IPD	
12	10	58	54.32	31-37.93	103-16.06	4.60	0.78	5	95	2.3	0.01	0.1	0.1	C	KKT IPD	AWK
12	11	13	12.94	31-37.58	103-15.68	5.00*	0.24	3	220	2.6	0.00			C	KKT IPD	AWL
12	12	3					0.33								KKT IPD	
12	12	6					0.08								KKT IPD	
12	12	33	50.36	31-38.34	103-16.06	2.03	0.36	4	176	2.7	0.00			C	KKT IPD	AWM
12	12	45	27.23	31-39.03	103-15.98	4.01	1.19	6	96	2.5	0.03	0.3	0.2	B	KKT IP	AWN
12	13	23					0.08								KKT IPD	

1973	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG 12	17	17	17.18	31-37.49	103-16.47	5.00*	0.24	3	213	1.4	0.00			C	KKT IPD	AWO
12	18	8					0.08								KKT IPD	
12	18	18	52.41	31-37.93	103-15.96	5.00*	0.36	3	197	2.4	0.00			C	KKT IPD	AWP
12	18	23	37.41	31-38.60	103-15.57	0.46	0.46	5	179	3.6	0.03	0.2	1.7	C	KKT IPD	AWQ
12	18	23	47.47	31-37.15	103-14.99	4.10	0.96	5	96	3.7	0.01	0.2	0.1	C	KKT IPU	AWR
12	19	11					0.08								KKT IPD	
12	20	23	49.61	31-38.08	103-16.11	5.00*	0.24	3	186	2.3	0.00			C	KKT IPD	AWS
12	21	22	55.53	31-37.76	103-16.23	5.00*	0.56	3	230	7.5	0.00			C	KIE EP	AWT
12	22	21	39.93	31-38.19	103-16.04	4.06	0.55	4	140	2.6	0.00			C	KKT IPD	AWU
12	22	33					0.08								KKT IPD	
12	22	38	32.51	31-37.60	103-15.87	5.00*	0.11	3	216	2.3	0.00			C	KKT IPD	AWV
12	23	1	57.22	31-37.94	103-16.05	4.58	0.66	6	95	2.3	0.01	0.1	0.1	B	KKT IPD	AWW
12	23	26	29.03	31-36.95	103-16.05	8.01	0.11	4	252	2.2	0.00			C	KKT IPD	AWX
13	0	21	39.53	31-38.09	103-16.20	4.16	0.68	5	104	2.2	0.01	0.1	0.0	C	KKT IPD	AWY
13	1	11	52.86	31-37.93	103-15.96	5.00*	0.46	3	197	2.4	0.00			C	KKT IPD	AWZ
13	1	41	19.10	31-37.46	103-15.74	5.00*	0.11	3	225	2.5	0.00			C	KKT IPD	AXA
13	1	55	57.00	31-37.76	103-15.84	5.00*	0.11	3	208	2.5	0.00			C	KKT IPD	AXB
13	3	8	52.84	31-37.80	103-16.18	5.00*	0.11	3	199	2.0	0.00			C	KKT IPD	AXC
13	3	8					0.08								KKT IPD	
13	3	18	24.27	31-37.32	103-16.34	5.00*	0.11	3	229	1.6	0.00			C	KKT IPD	AXD
13	4	6					-.07								KKT IPD	
13	5	40	46.94	31-38.71	103-17.53	5.00*	0.10	3	253	2.5	0.02			C	KKT IPD	AXE
13	6	7	52.81	31-37.93	103-15.96	5.00*	0.11	3	197	2.4	0.00			C	KKT IPD	AXF
13	7	53	9.36	31-39.17	103-17.58	5.00*	0.10	3	258	3.4	0.01			C	KKT IPD	AXG
13	7	56	50.37	31-37.46	103-16.23	5.93	0.28	4	219	1.7	0.00			C	KKT IPD	AXH
13	8	22	2.43	31-38.51	103-15.96	2.49	0.24	5	172	3.0	0.01	0.3	0.4	C	KKT IPD	AXI
13	9	46	35.22	31-36.81	103-15.08	4.06	0.46	7	104	3.7	0.08	0.6	0.4	B	KKT IPU	AXJ
13	9	55					****								KKT IPD	
13	10	51	31.36	31-38.06	103-16.30	4.06	0.51	5	137	2.1	0.06	0.8	0.5	C	KKT IPD	AXK
13	11	18					0.08								KKT IPD	
13	13	8					0.22								KKT IPD	
13	14	16	3.27	31-37.78	103-15.99	5.00*	0.24	3	204	2.3	0.00			C	KKT IPD	AXL
13	17	7	13.91	31-38.56	103-15.93	2.16	0.11	5	171	3.1	0.02	0.4	0.8	C	KKT IPD	AXM
13	17	23	43.05	31-37.88	103-15.28	0.37	0.10	4	213	3.4	0.03			C	KKT IPD	AXN
13	18	4	25.95	31-36.88	103-15.02	4.09	0.52	6	102	3.8	0.07	0.6	0.5	B	KKT IPU	AXO
13	19	52	16.11	31-37.60	103-15.87	5.00*	0.11	3	216	2.3	0.00			C	KKT IPD	AXP
13	21	5					****								KT7 EP	
13	21	13	59.02	31-37.78	103-15.99	5.00*	0.11	3	204	2.3	0.00			C	KKT IPD	AXQ
13	22	58					****								KT4 EP	
14	1	3					0.08								KKT IPD	
14	1	14	36.83	31-38.22	103-16.43	4.31	0.33	5	134	2.1	0.05	0.6	1.0	C	KKT IPD	AXR
14	3	24					0.08								KKT IPD	
14	3	28	59.03	31-37.92	103-16.14	5.00*	0.11	3	193	2.1	0.00			C	KKT IPD	AXS
14	4	46	16.42	31-37.53	103-16.18	6.24	0.11	4	215	1.8	0.00			C	KKT IPD	AXT
14	5	5					****								KM9 EP	
14	5	20	13.54	31-38.52	103-15.89	1.01	0.11	4	173	3.1	0.00			C	KKT IPD	AXU
14	6	37					0.08								KKT IPD	
14	8	20					0.08								KKT IPD	
14	9	38	35.21	31-37.96	103-15.88	4.55	0.68	5	91	2.5	0.01	0.1	0.2	C	KKT IPD	AXV
14	11	58	56.02	31-36.70	103-14.81	3.51	0.68	7	108	4.2	0.13	0.7	2.4	B	KKT IPU	AXW

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG 14	13	29					****								KM9 EP	
14	14	21	6.91	31-36.81	103-14.32	8.22	0.36	4	229	4.1	0.00			C	KIE EP	AXX
14	16	5	42.58	31-37.09	103-14.97	3.99	0.68	5	98	3.8	0.02	0.3	0.2	C	KKT IPU	AXY
14	18	57					****								KT4 EP	
14	19	17	31.42	31-37.78	103-15.99	5.00*	0.24	3	204	2.3	0.00			C	KKT IPD	AXZ
14	19	44	36.79	31-36.63	103-15.29	4.03	1.27	5	106	3.5	0.14	1.8	1.2	C	KKT IPU	AYA
14	20	1					****								KM9 EP	
14	23	40	6.89	31-37.98	103-15.89	4.30	0.54	5	92	2.5	0.02	0.2	0.4	C	KKT IPD	AYB
15	0	31	43.96	31-37.49	103-16.26	6.27	0.68	6	84	1.7	0.06	0.6	1.2	A	KKT IPD	AYC
15	1	26	2.97	31-37.12	103-14.97	3.69	0.48	5	97	3.8	0.02	0.3	0.3	C	KKT IPU	AYD
15	1	44	42.13	31-38.21	103-15.51	0.10	0.19	4	196	3.3	0.01			C	KKT IPD	AYE
15	2	7	21.00	31-37.76	103-15.84	5.00*	0.36	3	208	2.5	0.00			C	KKT IPD	AYF
15	2	24					0.08								KKT IPD	
15	3	57					****								KT7 EP	
15	4	3	59.01	31-37.11	103-14.91	4.07	0.77	5	97	3.9	0.00	0.0	0.0	C	KKT IPU	AYG
15	4	40	47.72	31-37.39	103-15.19	5.00*	0.11	3	235	3.4	0.00			C	KKT IPD	AYH
15	5	33	46.86	31-37.10	103-14.91	4.09	0.68	7	98	3.8	0.02	0.2	0.1	B	KKT IPU	AYI
15	5	42	47.13	31-38.27	103-16.03	3.64	0.46	4	180	2.7	0.00			C	KKT IPD	AYJ
15	6	14	1.64	31-37.63	103-16.03	5.00*	0.11	3	212	2.1	0.00			C	KKT IPD	AYK
15	6	42	39.65	31-37.04	103-15.86	7.09	0.11	4	246	2.4	0.00			C	KKT IPD	AYL
15	7	35	50.19	31-37.08	103-14.86	4.23	0.68	5	98	3.9	0.02	0.3	0.6	C	KKT IPU	AYM
15	8	27					0.08								KKT IPD	
15	10	32					0.08								KKT EP	
15	11	25	38.61	31-36.11	103-14.51	5.00*	0.25	3	277	5.0	0.00			C	KKT IP	AYN
15	12	1	5.76	31-37.11	103-15.01	3.91	0.11	4	173	3.7	0.00			C	KKT EP	AYO
15	12	46	15.62	31-40.10	103-17.82	1.47	0.24	4	178	4.6	0.00			C	KKT IPD	AYP
15	13	26					0.08								KKT IPU	
15	14	15	53.52	31-37.55	103-13.93	9.01	0.31	5	186	6.2	0.04	0.9	1.3	C	KM3 IPU	AYQ
15	14	46					****								KM9 IPD	
15	14	54	36.60	31-36.83	103-15.02	3.67	0.40	7	103	3.8	0.05	0.4	0.3	B	KKT IPD	AYR
15	18	22	56.54	31-36.96	103-13.77	7.70	0.19	6	114	3.4	0.04	0.6	1.2	B	KIE IPD	AYS
15	18	35	36.24	31-36.76	103-14.93	4.30	0.53	7	106	4.0	0.06	0.4	1.1	B	KKT IP	AYT
15	18	47	19.11	31-37.18	103-14.87	4.54	0.94	5	96	3.9	0.02	0.3	0.6	C	KKT IP	AYU
15	19	15	46.46	31-37.01	103-14.83	5.40	0.37	10	100	4.0	0.11	0.4	0.8	B	KKT IP	AYV
15	22	17	25.47	31-36.96	103-13.91	8.81	0.19	5	219	3.6	0.02	0.6	0.8	C	KIE EP	AYW
15	23	13	18.19	31-36.63	103-15.14	5.87	0.24	5	197	3.7	0.05	0.9	1.7	C	KKT IP	AYX
15	23	52	4.15	31-37.81	103-15.41	12.38	0.14	4	146	3.1	0.00			C	KKT IPD	AYY
16	0	7	5.21	31-37.04	103-14.89	6.74	0.78	6	99	3.9	0.08	0.9	1.8	B	KKT IP	AYZ
16	0	11	29.68	31-36.03	103-14.60	5.44	0.13	5	279	5.0	0.01	0.1	0.3	C	KKT EP	AZA
16	0	50	52.92	31-36.87	103-14.89	3.85	0.60	7	103	4.0	0.08	0.6	0.5	B	KKT IP	AZB
16	1	32	0.04	31-35.65	103-14.34	6.75	0.31	6	287	5.7	0.04	0.6	0.6	C	KKT EP	AZC
16	1	42	34.63	31-37.26	103-15.86	7.92	0.33	5	235	2.3	0.01	0.2	0.3	C	KKT IP	AZD
16	4	41	23.14	31-37.98	103-15.80	7.21	0.62	7	146	2.7	0.04	0.3	0.3	B	KKT IP	AZF
16	4	54	32.75	31-37.96	103-16.19	4.73	0.52	6	140	2.1	0.08	0.6	1.3	B	KKT IP	AZG
16	4	59	29.72	31-37.46	103-15.88	7.67	0.50	5	224	2.3	0.03	0.5	1.0	C	KKT IP	AZH
16	9	47	50.77	31-37.42	103-14.84	3.92	0.45	4	157	3.9	0.00			C	KKT IP	AZJ
16	8	41	33.76	31-38.50	103-19.95	8.90	0.39	5	262	4.7	0.01	0.3	0.2	C	KKT IPD	AZI
16	11	0	57.66	31-36.76	103-14.90	3.90	0.43	6	176	4.0	0.04	0.4	0.2	B	KKT IP	AZK
16	11	53	47.77	31-37.32	103-15.84	7.34	0.47	5	232	2.3	0.06	1.0	1.8	C	KKT IPD	AZL
16	13	57	59.76	31-37.32	103-15.87	6.09	0.50	5	232	2.3	0.02	0.3	0.5	C	KKT IP	AZM

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG 16	20	8	23.55	31-37.24	103-15.52	4.53	0.35	6	92	2.9	0.10	0.9	1.9	B	KKT IPD	AZN
16	20	57	0.20	31-36.97	103-15.95	7.17	0.46	5	250	2.3	0.01	0.2	0.3	C	KKT IPD	AZO
16	22	21	10.90	31-35.76	103-14.03	5.85	0.40	5	285	6.0	0.01	0.2	0.4	C	KKT IPD	AZP
16	22	33	33.48	31-36.49	103-15.07	6.44	0.42	9	111	3.9	0.08	0.4	0.6	B	KKT IP	AZQ
16	22	39	19.66	31-36.84	103-15.19	4.53	0.59	6	102	3.5	0.05	0.4	0.9	B	KKT IP	AZR
16	23	4	39.34	31-37.14	103-15.33	5.11	0.46	7	95	3.2	0.05	0.4	0.9	B	KKT IP	AZS
17	1	54	9.84	31-36.55	103-15.03	4.61	0.47	6	199	3.9	0.06	0.7	1.8	C	KKT IP	AZT
17	3	59	14.40	31-37.85	103-15.91	7.15	0.13	6	202	2.4	0.01	0.1	0.1	C	KKT IP	AZU
17	5	0	20.26	31-37.68	103-16.24	5.65	0.11	5	205	1.8	0.02	0.3	0.7	C	KKT IPD	AZV
17	6	46	0.77	31-38.21	103-16.26	3.91	0.11	6	175	2.3	0.01	0.1	0.1	B	KKT IP	AZW
17	7	1	19.46	31-36.43	103-14.62	6.82	0.43	5	269	4.6	0.01	0.2	0.4	C	KKT EP	AZX
17	9	44					****								KTX IPU	
17	10	39	38.27	31-39.82	103-13.71	3.33	0.11	4	182	2.4	0.00			C	KKT IP	AZY
17	12	44	13.96	31-36.46	103-14.71	6.37	0.58	6	201	4.5	0.03	0.4	0.8	C	KKT IP	AZZ
17	20	3	46.32	31-38.39	103-16.32	4.41	0.68	6	117	2.5	0.10	1.0	1.9	B	KKT IP	BAA
17	20	14	19.78	31-36.92	103-14.83	6.19	0.31	8	102	4.0	0.04	0.3	0.4	B	KKT IP	BAB
17	20	46	8.23	31-37.81	103-15.78	5.10	0.62	8	84	2.6	0.13	0.9	1.0	A	KKT IP	BAC
18	3	42	57.22	31-38.46	103-16.39	3.54	0.31	5	160	2.5	0.05	0.5	1.5	C	KKT IP	BAD
18	3	42	57.17	31-38.07	103-16.14	3.66	0.57	5	186	2.3	0.04	0.4	1.1	C	KKT IPU	BAE
18	7	14	32.60	31-38.03	103-16.17	5.36	0.65	7	102	2.2	0.04	0.2	0.6	B	KKT IP	BAF
18	7	21	29.31	31-37.91	103-15.89	4.95	0.24	5	200	2.5	0.03	0.4	0.9	C	KKT IPD	BAG
18	9	7	46.55	31-35.24	103-15.46	7.82	0.47	4	253	4.9	0.00			C	KKT IPU	BAH
18	9	40	45.12	31-37.66	103-15.97	5.05	0.28	5	211	2.2	0.05	0.8	1.6	C	KKT IP	BAI
18	10	4	37.41	31-37.15	103-15.88	6.86	0.61	6	240	2.3	0.02	0.2	0.3	C	KKT IPD	BAJ
18	10	15	25.44	31-36.85	103-14.96	4.99	0.45	6	174	3.9	0.08	0.7	1.7	B	KKT IPU	BAK
18	11	16	6.57	31-37.39	103-16.04	6.14	0.22	4	226	2.0	0.00			C	KKT IPD	BAL
18	14	56	50.42	31-37.07	103-15.02	1.78	0.75	6	131	3.7	0.08	0.6	1.3	B	KKT IP	BAM
18	14	58	23.33	31-37.50	103-19.36	5.00*	0.44	3	275	3.2	0.00			C	KKT IPD	BAN
18	15	3	18.43	31-37.50	103-19.36	5.00*	0.62	3	275	3.2	0.00			C	KKT IP	BAO
18	15	39					****								KM9 IPD	
18	16	51	35.15	31-36.53	103-14.56	4.04	0.64	6	184	4.6	0.06	0.6	0.3	C	KKT IPD	BAP
18	17	28	57.16	31-39.01	103-15.55	10.65	0.55	6	165	4.1	0.20	2.4	2.5	C	KKT IP	BAQ
18	19	0					****								KM2 EP	
18	19	40	39.15	31-36.90	103-14.89	5.46	0.34	7	102	3.9	0.06	0.4	1.2	B	KKT IP	BAR
18	20	33	7.63	31-38.28	103-16.38	6.02	0.50	7	117	2.3	0.08	0.6	1.4	B	KKT IP	BAS
18	23	1	54.26	31-37.74	103-16.02	5.49	0.22	5	206	2.2	0.02	0.2	0.5	C	KKT IP	BAT
18	23	21	31.21	31-37.32	103-15.58	4.79	0.25	4	234	2.8	0.00			C	KKT IP	BAU
19	0	46	5.42	31-37.12	103-15.43	8.02	0.31	5	244	3.0	0.01	0.1	0.2	C	KKT IPD	BAV
19	1	33	16.16	31-37.62	103-16.00	5.47	0.37	5	213	2.1	0.03	0.5	1.1	C	KKT IPD	BAW
19	2	31	42.77	31-37.76	103-15.90	4.22	0.62	7	84	2.4	0.08	0.6	1.2	A	KKT IP	BAX
19	6	55	12.20	31-36.26	103-18.34	6.71	0.71	5	229	2.6	0.00	0.0	0.1	C	KKT IP	BAY
19	7	32	12.64	31-37.58	103-15.68	5.00*	0.29	3	220	2.6	0.00			C	KKT IPD	BAZ
19	7	52	39.98	31-37.85	103-16.33	6.26	0.52	6	139	1.8	0.04	0.4	0.8	B	KKT IP	BBA
19	7	54	19.80	31-37.95	103-16.34	5.00*	0.29	3	185	1.9	0.00			C	KKT IPD	BBB
19	8	44	21.53	31-37.82	103-16.02	5.00*	0.27	3	201	2.2	0.00			C	KKT IPD	BBC
19	8	52	42.53	31-37.87	103-15.91	4.53	0.44	6	89	2.4	0.08	0.7	1.3	A	KKT IPD	BBD
19	9	13	18.22	31-37.20	103-15.23	5.00*	0.10	3	170	3.3	0.00			C	KKT EP	BBE
19	10	39	17.95	31-37.89	103-15.84	4.90	0.48	5	88	2.6	0.02	0.3	0.5	C	KKT IPD	BBF
19	17	54	58.17	31-37.89	103-15.18	3.48	****	5	147	3.5	0.01	0.3	0.5	C	KKT IP	BBG
19	13	31	12.80	31-46.94	103-12.16	5.09	0.48	4	313	11.6	0.01			C	KM3 IPU	BBH

1978	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG 19	19	0	41.33	31-37.45	103-15.38	3.34	0.61	9	89	3.1	0.21	0.8	1.5	B	KKT IPD	BBI
19	19	17	12.30	31-37.70	103-16.25	5.22	0.34	6	203	1.8	0.02	0.3	0.3	C	KKT EP	BBJ
19	20	36	20.27	31-37.01	103-15.58	5.00*	0.38	3	248	2.8	0.00			C	KKT IPD	BBK
19	20	39	26.55	31-38.26	103-16.34	3.77	0.13	5	170	2.3	0.04	0.4	1.0	C	KKT IPD	BBL
19	20	46	1.27	31-37.24	103-14.92	4.09	0.36	5	94	3.8	0.02	0.2	0.2	C	KKT IP	BBM
20	1	27	30.86	31-38.51	103-15.82	3.34	0.55	4	176	3.2	0.00			C	KKT IPD	BBN
20	3	7	31.26	31-36.76	103-14.73	5.00*	0.11	3	259	4.2	0.00			C	KKT IPD	BBO
20	5	6	49.60	31-37.76	103-15.84	5.00*	0.24	3	208	2.5	0.00			C	KKT IPD	BBP
20	9	21					-.07								KKT IPD	
20	10	20	4.62	31-37.78	103-15.99	5.00*	0.36	3	204	2.3	0.00			C	KKT IPD	BBQ
20	11	34					-.07								KKT IPD	
20	13	12	39.87	31-38.00	103-15.71	4.63	0.48	5	88	2.8	0.01	0.2	0.4	C	KKT IPD	BBR
20	13	28	26.68	31-37.89	103-15.87	3.78	0.46	4	159	2.5	0.00			C	KKT IP	BBS
20	16	4	1.05	31-37.76	103-15.84	5.00*	0.36	3	208	2.5	0.00			C	KKT IPD	BBT
20	16	7	5.15	31-37.76	103-15.84	5.00*	0.24	3	208	2.5	0.00			C	KKT IPD	BBU
20	16	59	10.52	31-33.98	103-13.41	0.42	1.77	5	207	5.2	0.10	0.8	12.9	D	KKT EP	BBV
20	17	8	21.99	31-38.19	103-15.59	3.21	0.65	6	91	3.1	0.09	0.7	1.7	B	KKT IPD	BBW
20	17	33					****								KKT IPD	
20	17	54	32.05	31-37.76	103-15.84	5.00*	0.11	3	208	2.5	0.00			C	KKT IPD	BBX
20	18	54	50.10	31-37.76	103-15.84	5.00*	0.36	3	208	2.5	0.00			C	KKT IPD	BBY
20	21	4					-.07								KKT IPD	
20	21	45	13.89	31-37.91	103-15.80	5.00*	0.24	3	202	2.6	0.00			C	KKT IPD	BBZ
20	21	48	47.53	31-37.28	103-14.85	4.83	0.36	5	94	3.9	0.02	0.3	0.7	C	KKT IPD	BCA
20	22	24	55.69	31-37.91	103-15.80	5.00*	0.24	3	202	2.6	0.00			C	KKT IPD	BCB
20	22	57	38.39	31-37.91	103-15.80	5.00*	0.24	3	202	2.6	0.00			C	KKT EP	BCD
20	23	18					0.08								KKT IPD	
21	0	3	15.42	31-37.46	103-15.92	5.00*	0.24	3	223	2.2	0.00			C	KKT EP	BCE
21	0	33	12.28	31-37.92	103-16.14	5.00*	0.11	3	193	2.1	0.00			C	KKT IPD	BCF
21	6	15	33.79	31-37.91	103-15.80	5.00*	0.11	3	202	2.6	0.00			C	KKT IPD	BCG
21	9	13	57.91	31-37.93	103-15.96	5.00*	0.24	3	197	2.4	0.00			C	KKT IPD	BCH
21	12	38	51.41	31-37.93	103-15.96	5.00*	0.24	3	197	2.4	0.00			C	KKT IPD	BCI
21	18	19	25.39	31-37.73	103-15.65	5.00*	0.11	3	213	2.7	0.00			C	KKT IPD	BCJ
21	20	18					3.13								KT7 EP	
21	22	12	40.10	31-37.76	103-15.84	5.00*	0.36	3	208	2.5	0.00			C	KKT IPD	BCK
21	22	20					2.53								KM6 EP	
21	23	38					1.93								KM6 EP	
22	3	32					1.48								KM6 EP	
22	16	29	4.74	31-37.91	103-15.80	5.00*	0.11	3	202	2.6	0.00			C	KKT IPD	BCM
22	18	25	10.13	31-37.28	103-15.94	5.00*	0.36	3	233	2.2	0.00			C	KKT IPD	BCN
23	0	44					3.48								KM9 EP	
23	3	16	40.60	31-37.76	103-15.84	5.00*	0.24	3	208	2.5	0.00			C	KKT IPD	BCO
23	14	22					****								KM9 IPU	
23	21	7	34.16	31-37.01	103-15.51	2.75	0.55	5	248	2.9	0.02	0.4	0.3	C	KKT EP	BCP
23	21	9					****								KT7 IPU	
24	0	33	52.92	31-37.78	103-15.99	5.00*	0.11	3	204	2.3	0.00			C	KKT IP	BCQ
24	5	46	10.48	31-37.73	103-15.65	5.00*	0.11	3	213	2.7	0.00			C	KKT IPU	BCR
24	8	6					0.08								KKT IPD	
24	9	1	2.16	31-37.12	103-14.94	4.87	0.57	5	97	4.0	0.00	0.0	0.1	C	KKT IPD	BCS

TABLE 1 LOCATION SUMMARY

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
SEP 4	21	58					****								KM6 EP	
5	12	36	37.77	31-36.05	103-19.17	5.00*	0.03	3	316	3.8	0.01			C	KKT IPD	SAA
6	1	5					****								KT7 EP	
6	2	23	6.42	31-39.51	103-25.42	37.07	****	6	242	12.5	0.75	22.9	34.1	D	KTX EP	SAB
12	19	9					****								KM3 IPD	
15	11	51					****								KT4 IPD	
16	23	50					****								KT4 IPD	
17	11	46					2.08								KM9 EP	
19	21	36	36.13	31-30.19	103-13.21	5.00*	1.16	3	243	7.3	0.00			C	KTX EP	SAC
20	3	11	59.41	31-37.46	103-16.12	5.00*	0.10	3	221	1.9	0.02			C	KKT IPD	SAD
20	5	13	48.61	31-40.65	103-18.20	0.06	0.11	4	283	6.2	0.02			C	KKT EP	SAE
20	7	10	35.84	31-39.55	103-17.24	5.00*	0.10	3	253	4.0	0.02			C	KM3 EP	SAF
20	8	57	8.74	31-39.73	103-17.69	5.00*	0.11	3	265	4.4	0.01			C	KKT EP	SAG
20	9	39	36.19	31-37.74	103-15.58	6.36	0.10	5	146	2.9	0.00	0.1	0.1	C	KKT IPD	SAH
20	9	59	23.04	31-39.94	103-17.73	5.00*	0.24	3	268	4.8	0.01			C	KKT IP	SAI
20	15	15	11.70	31-39.74	103-17.29	5.00*	0.11	3	256	4.4	0.02			C	KKT IP	SAJ
20	19	20					1.73								KTX EP	
21	15	12					****								KM2 EP	
21	23	32	55.18	31-37.82	103-15.79	6.88	0.17	6	154	2.6	0.09	1.0	1.8	B	KKT IP	SAK
22	3	53	16.24	31-40.03	103-18.26	5.00*	0.11	3	279	5.2	0.03			C	KKT EP	SAL
22	5	48					0.08								KM3 EP	
22	7	44					0.08								KM3 EP	
22	8	30					****								KM3 EP	
22	8	32	34.21	31-38.00	103-15.78	4.90	0.23	6	162	2.7	0.08	0.7	1.5	B	KKT EP	SAM
22	8	55	12.76	31-39.97	103-18.11	5.00*	0.11	3	276	5.0	0.03			C	KKT IP	SAN
22	9	37	27.96	31-39.17	103-17.58	5.00*	0.10	3	258	3.4	0.01			C	KKT IP	SAO
22	10	23	45.40	31-37.42	103-15.61	5.22	0.10	4	161	2.7	0.00			C	KKT IP	SAP
22	10	49	32.61	31-37.82	103-15.93	3.85	0.11	5	157	2.4	0.09	1.3	1.0	C	KKT EP	SAQ
22	16	49					****								KTX IPD	
22	21	53	7.82	31-37.59	103-15.52	4.99	0.19	4	152	2.9	0.00			C	KKT IPD	SAR
23	5	48	56.34	31-39.48	103-17.61	5.00*	0.11	3	261	3.9	0.02			C	KKT IPD	SAS
23	7	55					0.08								KKT IPU	
23	9	19					****								KM9 EP	
24	4	4					0.08								KM2 EP	
24	18	24	11.26	31-41.79	103-16.40	2.29	0.11	4	279	6.4	0.03			C	KKT	SAT
26	12	53	42.13	31-37.20	103-15.65	4.67	0.11	5	121	2.7	0.03	0.5	0.9	C	KKT	SAU
27	0	33					****								KTX IPD	
27	4	48	28.47	31-39.54	103-18.00	5.00*	0.03	3	271	4.2	0.03			C	KKT IP	SAV
27	9	36	43.48	31-45.02	103-13.51	5.00*	0.22	3	326	8.2	0.00			C	KKT IPD	SAW
27	11	51	22.13	31-39.32	103-17.60	5.00*	0.16	3	259	3.6	0.01			C	KKT IP	SAX
27	12	23					****								KM3	
27	17	2					****								KT4 IPU	
27	17	22					****								KT4 IPD	
29	16	24					3.73								KTX EP	
29	20	7	43.00	31-31.68	102-30.85	3.34	2.67	8	303	40.6	0.06	4.1	86.2	D	KM9 IPD	SAY
30	4	55	10.96	31-37.35	103-15.64	4.09	1.40	5	128	2.7	0.00	0.0	0.0	C	KKT IPD	SAZ
30	23	31	43.48	31-31.47	102-30.23	5.43	2.23	7	318	41.6	0.08	10.9	25.2	D	KM9 EP	SBA

TABLE 1 LOCATION SUMMARY

1978		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
OC	2	0	27					****								KM9 EP	
	2	9	35	7.51	31-34.39	102-34.54	2.21	1.85	4	312	32.9	0.11			C	KM9 EP	CAA
	2	9	58	33.60	31-35.39	102-35.57	4.16	2.03	4	310	30.5	0.07			C	KM9 EP	CAB
	2	11	25	10.24	31-33.04	102-32.75	2.68	2.46	10	300	36.7	0.07	3.5	84.7	D	KM9 EP	CAC
	2	11	25					****								KKT EP	
	3	6	4					0.33								KM5 EP	
	3	6	12	16.66	31-54.59	103- 0.11	2.96	1.52	5	84	9.1	0.06	0.9	1.2	C	KM5 IPU	CAD
	3	6	55	23.56	31-54.54	103- 0.21	0.28	0.58	4	221	9.0	0.04			C	KM5 IPU	CAE
	4	5	59					****								KTX EP	
	4	13	43	3.52	31-37.64	103-15.50	4.02	0.11	7	140	2.9	0.10	0.6	0.5	B	KKT EP	CAF
	4	15	46					****								KT4 EP	
	6	12	50					****								KM9 EP	
	6	14	45	17.07	31-28.05	103-19.80	2.87	0.49	4	344	8.0	0.11			C	KTX IPD	CAG
	6	15	23					****								KM9 IPD	
	6	18	39	5.66	31-31.51	103-24.80	4.02	0.62	4	320	11.8	0.24			C	KTX IPU	CAH
	8	19	22					****								KM2 IPD	
	10	2	2					****								KM3 IPU	
	17	20	21					****								KM3 IPD	
	18	23	42					****								KT4 IPU	
	19	7	38	2.66	31-40.19	103-18.15	5.00*	0.40	3	278	5.4	0.02			C	KM3 IPU	CAI
	20	0	54	35.50	31-40.34	103-18.48	5.00*	0.40	3	285	5.8	0.04			C	KM3 IPU	CAJ
	20	3	11	12.21	31-39.27	103-16.98	5.00*	0.42	3	241	3.6	0.03			C	KM3 IPU	CAK
	23	20	46					1.73								KM6 EP	
	25	1	47					****								KM3 IPD	
	26	11	38					****								KTX EP	
	26	13	5					****								KTX EP	
	27	10	16					****								KTX IPD	
	28	10	19					****								KTX EP	
	28	22	58					****								KM2 IPD	
	29	3	46					****								KTX IPD	

TABLE 1 LOCATION SUMMARY

1973		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
NOV	5	6	50					****								KM9 EP	
	5	9	56	5.18	31-39.79	103-17.43	5.00*	0.11	3	260	4.5	0.01			C	KKT IPD	SDA
	5	10	35	26.99	31-37.10	103-15.00	4.99	0.71	6	113	3.7	0.04	0.4	1.0	B	KKT IPD	SDB
	5	14	21	7.33	31-40.69	103-14.72	5.00*	0.10	3	237	3.4	0.03			C	KKT IPD	SDC
	5	16	25					****								KM9 IPD	
	7	9	56	6.09	31-41.72	103-12.77	9.77	0.45	4	250	2.0	0.03			C	KM3 IPU	SDD
	8	3	16	30.45	31-41.03	103-13.18	7.81	0.23	4	196	1.2	0.07			C	KT7 EP	SDE
	9	0	44					****								KM9 EP	
	9	4	9					****								KM9 EP	
	10	17	50	58.23	31-37.10	103-15.16	3.69	0.71	6	97	3.5	0.07	0.5	1.4	B	KKT IPD	SDF
	10	22	15	20.00	31-37.22	103-19.88	16.87	0.37	4	287	4.0	0.00			C	KKT IPD	SDG
	11	7	19	0.75	31-35.89	103-15.52	5.00*	0.56	3	285	3.9	0.00			C	KKT IPD	SDH
	13	7	48					****								KM9 EP	
	15	7	59					****								KM2 EP	
	12	21	43	12.38	31-36.89	103-15.18	5.65	0.56	6	101	3.5	0.01	0.1	0.2	B	KKT IPD	SDI
	17	4	19	34.28	31-37.48	103-15.21	3.02	0.36	5	157	3.4	0.02	0.2	0.5	C	KKT IP	SDJ
	13	1	37					****								KM9 EP	
	18	15	44					****								KT7 EP	
	18	19	2					****								KT4 EP	
	19	19	17					****								KM5 EP	
	19	21	19	53.77	31-37.98	103-15.40	1.31	0.46	4	207	3.3	0.14			C	KM3 IPD	SDK
	23	7	25					0.33								KT7 IP	
	23	6	26	57.92	31-35.53	103-14.42	6.10	0.37	5	289	5.7	0.07	1.4	2.7	C	KKT IP	SDL
	23	14	44	30.92	31-38.17	103-16.14	4.57	0.24	5	181	2.4	0.06	1.0	2.3	C	KKT IP	SDM
	24	13	31	38.37	32-40.30	101-27.69	9.22	3.40	7	3451	52.5	0.39	353.1	170.4	D	KM2 IPU	SDN
	24	15	34	15.24	31-37.93	103-15.70	2.87	0.55	4	203	2.8	0.00			C	KM3 EP	SDO
	26	7	46					****								KTX EP	
	27	5	18	14.85	31-37.09	103-15.56	4.36	0.85	6	95	2.8	0.05	0.5	0.9	B	KM3 IPU	SDO
	29	1	48					****								KM9 EP	
	29	14	39					****								KT7 EP	
	29	19	56					****								KM9 EP	
	29	20	53					****								KTX EP	
	29	23	10					****								KTX EP	
	30	10	26					****								KTX EP	

TABLE 1 LOCATION SUMMARY

1978		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
DEC	1	17	40					0.08								KM3 EP	
	2	5	40					****								KM6 EP	
	1	13	36					****								KM9 EP	
	4	1	13					****								KM9 EP	
	5	18	42					****								KM9 EP	
	5	23	45					****								KM6 EP	
	8	11	58					****								KM9 EP	
	8	23	18	44.95	31-37.39	103-15.46	5.00*	0.38	3	290	6.2	0.00			C	KM3 EP	BFA
	9	4	29					****								KM9 EP	
	11	2	11					****								KTX EP	
	11	3	52					****								KM9 EP	
	13	18	32	58.46	31-37.33	103-15.48	5.46	1.16	5	138	6.2	0.03	1.0	3.5	C	KM3 IPU	BFB
	14	19	44					****								KM9 EP	
	16	15	32					****								KM2 EP	
	16	22	55	11.45	31-37.34	103-15.64	4.61	0.72	5	141	6.4	0.03	1.1	6.8	D	KM3 IPU	BFC
	18	2	35					****								KM9 EP	
	19	9	2					****								KM9 EP	
	20	3	24	23.42	31-37.44	103-14.46	8.39	0.85	5	123	4.7	0.02	0.6	0.9	C	KM3 IPD	BFD
	20	13	1	42.44	31-37.54	103-15.61	4.81	0.36	7	86	2.7	0.04	0.3	0.4	A	KM3 IPU	BFE
	20	16	47	21.73	31-44.80	103-12.51	5.00*	0.56	3	295	7.7	0.01			C	KM3 IPU	BFF
	21	0	48					****								KTX EP	
	21	1	25					****								KM9 EP	
	21	10	44	51.42	31-36.83	103-15.64	5.00*	0.11	3	256	2.8	0.00			C	KM3 EP	BFG
	22	2	11	1.18	31-45.51	103-12.45	1.14	0.25	4	301	9.0	0.01			C	KM3 IPU	BFH
	22	15	0					0.08								KM3 EP	
	23	5	55	26.50	31-46.13	103-11.45	5.00*	0.12	3	311	10.3	0.00			C	KM3 EP	BFI
	24	0	29	28.11	31-37.61	103-15.38	0.80	0.25	4	223	3.1	0.11			C	KKT IPD	BFJ
	24	4	21	19.65	31-42.04	103-14.03	8.25	0.24	4	220	3.5	0.09			C	KM3 EP	BFK
	24	23	21					****								KM3 EP	
	25	3	40					****								KTX EP	
	25	23	12	32.52	31-37.87	103-15.81	5.16	0.37	4	148	7.3	0.00			C	KT7 IPU	BFL
	26	0	2					1.81								KTX IPU	
	26	9	13	34.71	31-37.04	103-15.77	2.72	0.47	4	157	8.4	0.00			C	KM3 IPD	BFM
	27	17	58					****								KM9 EP	
	27	17	59					****								KM9 EP	
	27	18	47					****								KM3 IPU	
	27	19	46	49.86	31-45.03	103-12.36	5.00*	0.25	3	298	8.1	0.00			C	KM3 IPD	BFN
	29	8	42	9.75	31-41.87	103-13.28	10.72	0.24	4	234	2.5	0.01			C	KM3 EP	BFO
	30	17	26					****								KM9 EP	
	30	22	40					0.08								KM3 EP	
	31	17	0	24.08	31-37.22	103-16.55	1.98	0.37	4	243	7.8	0.00			C	KM3 EP	BFP

TABLE 1 LOCATION SUMMARY

1979		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JAN	1	14	52	54.77	31-37.19	103-16.39	5.41	0.25	4	242	7.5	0.00			C	KM3 IPU	DFQ
	1	19	15	18.32	31-37.42	103-16.27	5.59	0.55	4	161	1.7	0.00			C	KM3 IPD	DFR
	1	23	17					****								KTX EP	
	2	12	10	21.57	31-37.51	103-15.70	7.04	1.11	5	142	6.6	0.00	0.1	0.3	C	KM3 IPD	DFS
	3	3	14	15.35	31-37.33	103-14.83	8.78	0.14	4	162	4.0	0.00			C	KIE IPD	DFT
	3	14	29	21.00	31-37.42	103-15.67	5.00*	0.15	3	293	6.5	0.00			C	KM3 IPU	DFU
	3	15	30	19.45	31-37.15	103-16.84	5.00*	0.11	3	307	8.2	0.00			C	KM3 IPU	DFV
	3	23	4	48.13	31-37.07	103-17.11	5.00*	0.25	3	309	8.6	0.00			C	KM3 IPD	DFW
	4	3	28	29.03	31-37.24	103-17.28	5.00*	0.24	3	310	8.9	0.00			C	KM3 IPU	DFX
	4	4	17	12.20	31-37.42	103-14.15	6.58	0.10	4	267	4.3	0.02			C	KM3 EP	DFY
	4	6	42	3.54	31-37.78	103-16.48	5.00*	0.11	3	301	7.9	0.00			C	KM3 IPU	DFZ
	5	1	14	52.29	31-37.47	103-16.32	0.91	0.24	4	236	7.5	0.05			C	KM3 IPD	DGA
	5	10	22	6.43	31-34.70	103-11.41	5.00*	0.41	3	360	3.2	0.10			C	KM3 IPD	DGB
	5	11	4	59.05	31-37.53	103-15.66	2.20	0.39	4	155	2.7	0.00			C	KM3 IPD	DGC
	5	19	43	20.04	31-37.09	103-19.03	5.00*	0.38	3	321	11.6	0.00			C	KM3 IPU	DGD
	5	23	0	43.11	31-37.52	103-16.89	5.00*	0.56	3	306	8.4	0.00			C	KM3 IPD	DGE
	6	0	32					****								KM2 EP	
	6	1	40					****								KM2 EP	
	6	9	26					****								KM2 EP	
	6	9	56					****								KM2 EP	
	6	11	54					****								KM3 EP	
	6	12	4	32.36	31-37.68	103-17.04	5.00*	0.06	3	307	8.7	0.00			C	KM3 IPU	DGF
	6	16	37					****								KM3 EP	
	6	22	5	57.12	31-37.80	103-16.11	0.78	0.48	4	216	7.4	0.10			C	KM3 IPU	DGG
	6	22	34	28.60	31-37.18	103-15.29	5.00*	0.11	3	290	5.8	0.00			C	KM3 IPD	DGH
	7	1	0					****								KM2 EP	
	7	0	38					****								KT4 EP	
	7	6	46	31.20	31-38.12	103-11.93	5.00*	0.10	3	186	3.2	0.03			C	KM3 IPD	DGI
	7	7	24	18.81	31-38.01	103-12.79	5.00*	0.02	3	214	3.4	0.01			C	KM3 IPD	DGJ
	7	10	22	6.34	31-37.37	103-14.61	5.00*	0.35	3	277	4.9	0.00			C	KM3 IPU	DGK
	7	19	35	34.45	31-37.15	103-16.84	5.00*	0.68	3	307	8.2	0.00			C	KM3 IPD	DGL
	9	0	32	13.03	31-37.81	103-15.42	5.00*	0.55	3	287	6.4	0.01			C	KM3 IPU	DGM
	8	2	35	43.55	31-37.42	103-17.12	5.00*	0.51	3	308	8.7	0.00			C	KM3 IPD	DGN
	8	8	9	12.50	31-37.42	103-15.67	5.00*	0.24	3	293	6.5	0.00			C	KM3 EP	DGO
	8	13	11	15.15	31-37.42	103-17.12	5.00*	0.37	3	308	8.7	0.00			C	KM3 IPD	DGP
	8	13	52	42.80	31-37.68	103-16.02	5.00*	0.36	3	296	7.2	0.00			C	KM3 IPD	DGQ
	8	23	19	26.47	31-37.34	103-16.67	5.00*	0.41	3	304	8.0	0.00			C	KM3 UPD	DGR
	9	3	43	6.74	31-37.15	103-16.84	5.00*	0.42	3	307	8.2	0.00			C	KM3 IPD	DGS
	9	10	1	17.95	31-37.14	103-16.84	5.00*	0.36	3	307	8.2	0.00			C	KM3 IP	DGT
	9	10	22	39.28	31-37.33	103-15.54	6.80	0.71	4	202	6.2	0.00			C	KM3 IPU	DGU
	9	11	44	44.78	31-37.24	103-17.28	5.00*	0.37	3	310	8.9	0.00			C	KM3 IPD	DGV
	9	23	37	2.12	31-37.63	103-15.01	7.74	0.55	4	281	5.7	0.01			C	KM3 IPD	DGW
	10	1	6	7.32	31-37.34	103-17.67	5.00*	0.25	3	313	9.5	0.00			C	KM3 IPU	DGX
	10	1	39	30.90	31-37.68	103-16.02	5.00*	0.14	3	296	7.2	0.00			C	KM3 IPU	DGY
	10	1	52	26.57	31-37.59	103-16.64	5.00*	0.38	3	303	8.0	0.01			C	KM3 IPU	DGZ
	10	3	42	35.86	31-37.19	103-16.52	5.00*	0.25	3	304	7.7	0.00			C	KM3 IPD	DHA
	10	4	10	58.37	31-37.34	103-16.67	5.00*	****	3	304	8.0	0.00			C	KM3 IPU	DHB
	10	4	33					****								KM2 EP	
	10	4	37	20.67	31-37.10	103-16.08	5.00*	0.25	3	300	7.0	0.00			C	KM3 EP	DHC
	10	6	20	4.09	31-37.49	103-16.16	5.00*	0.71	3	298	7.3	0.00			C	KM3 IPU	DHD

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JAN 10	8	52	47.77	31-37.34	103-16.67	5.00*	0.47	3	304	8.0	0.00			C	KM3 IPD	DHE
10	8	59	7.26	31-37.52	103-16.99	5.00*	0.11	3	306	8.4	0.00			C	KM3 EP	DHF
10	9	2	16.61	31-37.68	103-17.04	5.00*	0.72	3	307	8.7	0.00			C	KM3 IPU	DHG
10	10	29	28.35	31-37.42	103-17.12	5.00*	0.25	3	308	8.7	0.00			C	KM3 IPD	DHH
10	10	31					-.07								KM3 EP	
10	10	46	55.78	31-37.87	103-16.21	6.95	0.46	4	297	7.6	0.03			C	KM3 IPU	DHJ
10	11	26	12.26	31-37.52	103-16.89	5.00*	0.56	3	306	8.4	0.00			C	KM3 IPU	DHK
10	11	57					0.08								KM3 EP	
10	12	16	0.02	31-37.34	103-16.67	5.00*	0.72	3	304	8.0	0.00			C	KM3 IDD	DHL
10	13	7	25.10	31-37.34	103-14.73	8.87	0.95	4	187	5.0	0.00			C	KM3 IPU	DHM
10	13	23					****								KTX EP	
10	13	42	31.69	31-37.49	103-16.16	5.00*	0.36	3	298	7.3	0.00			C	KM3 IPU	DHN
10	13	59	18.32	31-37.53	103-15.90	4.99	1.16	6	85	2.3	0.02	0.2	0.3	A	KM3 IP	DHO
10	14	21	21.66	31-37.75	103-15.72	5.00*	0.36	3	292	6.8	0.00			C	KM3 EP	DHP
10	15	3	56.21	31-37.52	103-16.89	5.00*	0.25	3	306	8.4	0.00			C	KM3 IPU	DHQ
10	17	55					0.08								KM3 EP	
10	19	9	49.78	31-37.41	103-17.45	5.00*	0.37	3	311	9.2	0.00			C	KM3 IPD	DHR
10	19	34	0.33	31-37.41	103-17.45	5.00*	0.25	3	311	9.2	0.00			C	KM3 IPD	DHS
11	0	18	52.15	31-37.42	103-17.12	5.00*	0.56	3	308	8.7	0.00			C	KM3 IPU	DHT
11	2	9	49.49	31-37.49	103-16.16	5.00*	0.25	3	298	7.3	0.00			C	KM3 EP	DHU
11	5	31	40.54	31-37.57	103-15.83	4.05	1.16	6	85	2.4	0.01	0.1	0.0	A	KM3 IPU	DHV
11	6	10	12.23	31-37.93	103-15.57	5.00*	0.11	3	289	6.7	0.00			C	KM3 EP	DHW
11	8	47					****								KM2 EP	
11	9	31	55.60	31-38.79	103-16.29	5.00*	0.10	3	269	3.1	0.00			C	KKT IPD	DHX
11	10	14	33.16	31-37.77	103-15.91	5.00*	0.10	3	220	2.4	0.00			C	KKT IP	DHY
11	12	9	34.13	31-37.69	103-15.77	4.39	1.16	4	135	2.5	0.00			C	KKT IP	DHZ
11	13	28	10.23	31-38.39	103-16.41	6.56	1.32	4	138	2.4	0.00			C	KT7 IP	DIA
11	14	13					****								KKT IPD	
11	14	27	2.52	31-37.71	103-15.89	5.00*	0.55	3	216	2.4	0.00			C	KTX EP	DIB
11	14	44					0.08								KIE IP	
11	15	52					0.08								KIE EP	
11	16	47	20.40	31-37.60	103-15.72	4.19	0.96	4	134	2.6	0.00			C	KT7 IP	DIC
11	18	10	37.89	31-37.32	103-15.96	5.00*	0.55	3	168	2.2	0.00			C	KT7 IP	DID
11	19	14					0.33								KKT IP	
11	19	29	28.28	31-37.68	103-15.81	4.12	0.71	4	134	2.5	0.00			C	KT7 IP	DIE
11	20	45					0.33								KKT IPD	
11	21	9	44.17	31-37.14	103-15.97	5.00*	0.10	3	181	2.2	0.08			C	KKT IPD	DIF
12	0	12	2.70	31-37.58	103-15.24	7.38	0.72	4	134	5.9	0.00			C	KM3 IP	DIG
12	0	21	47.27	31-37.48	103-16.05	6.78	0.71	6	85	2.0	0.08	1.0	0.8	A	KM3 IP	DIH
12	2	22	51.77	31-37.08	103-14.75	5.00*	0.35	3	188	4.1	0.07			C	KT7 IP	DII
12	2	8	37.80	31-37.58	103-15.83	5.00*	0.56	3	143	6.8	0.00			C	KIE IPD	DIJ
12	2	25					0.33								KKT IP	
12	2	59	31.74	31-37.62	103-15.90	4.05	0.71	5	84	2.3	0.03	0.3	0.2	C	KM3 IP	DIK
12	4	3					****								KTX EP	
12	4	11					****								KIE IP	
12	9	29					0.53								KIE IPD	
12	9	20	47.33	31-40.20	103-18.61	5.00*	0.37	3	324	5.6	0.00			C	KIE IPD	DIL
12	9	39	40.02	31-37.70	103-15.79	4.11	1.16	5	83	2.5	0.01	0.1	0.1	C	KM3 IP	DIM
12	12	57	10.94	31-37.73	103-15.76	3.99	0.55	4	149	2.6	0.00			C	KM3 IPU	DIN
12	15	0					****								KT4 EP	

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JAN 12	17	20	15.33	31-37.46	103-15.96	5.00*	0.55	3	159	2.2	0.00			C	KIE IP	DIO
13	4	24	32.64	31-37.59	103-15.66	5.00*	0.97	3	141	6.6	0.00			C	KT7 IP	DIP
13	4	54					0.33								KKT IPU	
13	1	28					0.33								KIE IPD	
13	0	50	43.41	31-37.87	103-15.56	4.19	0.96	4	141	3.0	0.00			C	KT7 IP	DIQ
13	6	12	31.65	31-37.68	103-15.79	3.91	0.36	4	134	2.5	0.00			C	KKT IP	DIR
13	10	8	22.61	31-37.69	103-15.68	5.24	0.71	4	136	2.7	0.00			C	KKT IPD	DIS
13	12	36	52.93	31-37.79	103-15.50	4.39	0.55	4	140	3.0	0.00			C	KKT IP	DIT
13	19	27	46.12	31-39.64	103-16.15	5.00*	0.24	3	287	4.6	0.01			C	KKT IPD	DIU
13	21	36	27.05	31-37.65	103-15.82	5.24	0.55	6	83	2.4	0.05	0.6	0.6	A	KM3 IP	DIV
14	7	45	9.02	31-38.40	103-15.98	5.00*	0.55	3	251	2.9	0.00			C	KTX EP	DIW
14	9	5					0.22								KIE EP	
14	15	31	57.22	31-37.16	103-16.29	5.00*	0.36	3	182	1.7	0.00			C	KT7 IP	DIX
14	19	27					****								KT8 EP	
15	5	1					****								KIE EP	
15	13	38	11.24	31-37.77	103-16.21	5.00*	0.55	3	137	1.9	0.00			C	KIE IPD	DIY
15	19	19	58.42	32-16.34	103-16.30	5.00*	0.60	3	353	72.1	0.14			C	KKT IPD	DIZ
16	9	35	5.15	31-38.09	103-15.57	5.00*	0.56	3	145	6.8	0.01			C	KIE IPD	DJA
16	21	3	53.44	31-35.22	103-16.70	9.14	0.56	4	156	4.1	0.00			C	KT7 IP	DJB
16	21	23	48.46	31-40.12	103-13.94	5.00*	0.11	3	210	7.4	0.00			C	KT7 IP	DJC
17	8	13	28.39	31-41.06	103-14.73	0.36	0.55	4	166	3.5	0.01			C	KM3 EP	DJD
17	9	8	45.11	31-37.89	103-14.43	5.00*	0.36	3	225	4.7	0.00			C	KTX IP	DJE
17	16	56	43.54	30-39.53	103- 3.27	5.00*	1.31	3	354	99.2	0.33			D	KIE IP	DJF
17	19	5	20.92	31-37.50	103-15.77	5.00*	0.37	3	143	6.7	0.00			C	KT7 IPD	DJG
17	22	19	32.15	31-37.50	103-15.98	4.50	0.46	4	129	2.1	0.00			C	KT7 IP	DJH
18	4	25	5.39	31-37.34	103-16.96	0.46	0.37	4	163	8.4	0.30			D	KT7 IPU	DJI
18	14	8	43.41	31-48.67	103- 7.93	27.12	0.01	4	166	14.2	0.00			C	KT4 EP	DJJ
18	14	11	10.09	31-58.85	103-23.08	48.60	0.65	5	258	10.3	0.61	36.6	37.6	D	KM2 EP	DJK
18	16	11	0.98	31-36.47	103-16.13	5.75	1.72	6	262	6.9	0.00	0.0	0.0	C	KT8 IPD	DJL
18	17	21	34.46	31-37.55	103-15.11	0.24	0.70	4	141	5.7	0.14			C	KIE IPD	DJM
18	18	46	17.45	31-37.95	103-15.88	5.00*	0.94	3	229	2.5	0.00			C	KTX IPU	DJN
18	19	38	12.51	31-38.01	103-15.36	5.00*	0.43	3	147	6.4	0.00			C	KIE IPD	DJO
18	19	42	8.79	31-37.68	103-14.70	5.00*	0.37	3	149	5.2	0.00			C	KIE IPD	DJP
19	0	29	37.15	31-37.49	103-15.98	4.14	0.36	4	128	2.1	0.00			C	KKT IPD	DJQ
19	1	9	36.22	31-37.41	103-20.73	20.31	0.97	4	229	5.4	0.00			C	KKT IP	DJR
19	8	22	13.31	31-37.74	103-16.05	4.08	0.36	4	132	2.1	0.00			C	KKT IPD	DJS
19	15	51	45.27	31-37.80	103-16.20	0.59	0.37	4	149	7.5	0.07			C	KIE IPD	DJT
19	15	57	35.99	31-37.55	103-16.58	1.20	0.47	4	156	7.9	0.05			C	KIE IPD	DJU
20	6	38					****								KTX EP	
21	12	42					****								KIE EP	
22	3	39	56.99	31-36.51	103-14.58	5.00*	0.44	3	245	4.5	0.01			C	KIE IPU	DJV
22	4	32					****								KM2 EP	
24	11	54	8.61	31-37.60	103-16.17	5.00*	0.36	3	215	7.3	0.00			C	KIE IP	DJW
24	15	42	40.08	31-37.44	103-17.81	5.00*	0.37	3	179	9.5	0.00			C	KIE EP	DJX
24	20	37	1.53	31-37.59	103-16.55	5.00*	0.47	3	221	7.9	0.00			C	KIE IPD	DJY
25	17	15					****								KM3 EP	
25	21	14					****								KM3 EP	
26	0	19	41.49	31-39.23	103-17.70	6.19	0.37	6	254	3.5	0.14	1.7	2.9	C	KKT IPD	DJZ
26	1	18					****								KIE EP	
26	1	42	42.14	31-39.41	103-15.23	5.00*	0.47	3	228	4.8	0.00			C	KIE IPD	DKA

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JAN 26	3	26	5.87	31-37.46	103-14.97	9.16	0.36	4	193	5.5	0.00			C	KIE IPD	DKB
26	10	7					****								KM3 EP	
26	12	12					****								KIE EP	
26	17	14					****								KIE EP	
26	20	21					****								KM3 EP	
27	1	59	45.54	31-38.39	103-17.88	5.00*	0.37	3	313	9.4	0.00			C	KM3 IPU	DKC
27	6	24	45.48	31-37.59	103-17.61	5.00*	0.37	3	311	9.5	0.00			C	KM3 IPU	DKD
27	19	6					****								KT4 IPU	
27	21	7	28.80	31-37.18	103-15.29	5.00*	0.55	3	290	5.8	0.00			C	KM3 IPD	DKE
27	21	45	6.20	31-37.42	103-15.67	5.00*	0.55	3	293	6.5	0.00			C	KM3 IPD	DKF
28	2	26					****								KM3 IPD	
28	2	37	17.34	31-38.20	103-17.77	5.00*	0.42	3	312	9.4	0.00			C	KM3 IPU	DKG
28	19	55					****								KT8 EP	
29	8	34					0.33								KKT IP	
29	13	25					****								KT7 EP	
31	12	48					****								KTX EP	

TABLE 1 LOCATION SUMMARY

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
FEB 1	5	3					-.27								KKT IP	
8	20	3					****								KT7 EP	
9	1	55					0.69								KKT IP	
9	13	15					****								KT7 EP	
9	22	12					0.53								KTX EP	
10	0	46					0.33								KKT EP	
11	22	40					****								KT7 EP	
12	17	5					****								KT8 EP	
13	22	30					****								KM3 EP	
14	17	6	48.32	31-34.78	103-15.84	10.46	0.37	5	139	5.3	0.06	1.6	3.7	C	KKT IP	DKH
15	1	59	47.18	31-37.42	103-15.07	4.37	0.55	5	90	3.6	0.04	0.6	1.2	C	KKT IPD	DKI
15	20	58					****								KTX EP	
15	20	58					****								KM3 EP	
16	10	18					****								KM3 EP	
16	22	27					****								KM2 EP	
17	8	39					0.22								KM3 IPU	
17	10	37	6.35	31-37.36	103-15.40	4.17	0.44	4	163	3.0	0.00			C	KM3 IPD	DKJ
17	15	50					****								KM6 EP	
21	16	52	44.63	31-37.34	103-15.81	4.84	0.52	5	89	2.4	0.01	0.1	0.1	C	KKT IP	DKK
21	17	23	39.83	31-39.62	103-16.05	10.94	0.48	4	165	4.6	0.00			C	KKT IPD	DKL
22	1	23	10.93	31-37.42	103-15.19	0.41	0.74	4	159	3.4	0.02			C	KM3 IPU	DKM
22	4	0					0.33								KT7 IPU	
22	8	40	42.45	31-44.32	103-13.25	5.00*	0.29	3	283	6.9	0.00			C	KM3 IPD	DKN
22	9	19					****								KM3 EP	
22	9	56					****								KIE IPD	
22	11	6	23.94	31-37.37	103-15.31	4.19	0.87	5	162	3.2	0.02	0.3	0.2	C	KM3 IPD	DKO
22	12	52	31.32	31-37.09	103-15.98	0.95	0.46	4	239	6.8	0.02			C	KM3 IPD	DKP
22	14	43	58.84	31-45.04	103-13.14	5.00*	0.24	3	293	8.1	0.00			C	KM3 IPD	DKQ
22	14	56	13.04	31-36.98	103-14.19	9.64	0.51	5	119	4.0	0.02	0.5	1.0	C	KM3 IPD	DKR
22	16	1					****								KT4 EP	
22	16	14	15.34	31-37.10	103-15.43	5.93	0.63	5	177	3.0	0.01	0.2	0.4	C	KM3 IPU	DKS
22	17	36					****								KTX EP	
22	22	55					****								KIE EP	
23	0	49	15.84	31-37.28	103-15.12	3.89	0.50	5	93	3.5	0.03	0.4	0.3	C	KTX IP	DKU
23	7	11	45.17	31-37.45	103-15.74	4.11	0.43	5	87	2.5	0.04	0.5	0.3	C	KKT IP	DKV
23	7	34	52.27	31-37.84	103-15.93	8.22	0.36	5	88	2.4	0.07	1.3	2.8	C	KIE EPU	DKW
23	8	42	9.16	31-37.07	103-15.16	6.91	0.63	6	133	5.5	0.00	0.1	0.2	B	KIE IPD	DKX
23	9	59	22.14	31-37.67	103-15.03	8.18	0.56	5	131	5.7	0.01	0.3	0.6	C	KIE IPD	DKY
23	10	52	7.89	31-37.29	103-16.05	0.48	0.54	4	148	7.0	0.01			C	KIE IPD	DKZ
23	13	58	38.64	31-37.15	103-15.37	4.10	0.43	4	137	5.9	0.01			C	KM3 IPU	DLA
23	21	16	5.39	31-37.09	103-15.34	5.66	0.47	4	232	5.8	0.00			C	KM3 IPU	DLB
23	21	51	5.59	31-37.09	103-15.34	5.66	0.25	4	232	5.8	0.00			C	KM3 IPU	DLC
23	22	2	22.48	31-40.99	103-13.13	10.37	0.36	4	195	1.1	0.00			C	KM3 IPU	DLD
23	22	23	43.28	31-37.07	103-14.95	6.96	0.36	4	228	5.2	0.00			C	KM3 IPU	DLE
24	0	0	5.41	31-45.02	103-12.11	5.00*	0.12	3	300	8.1	0.00			C	KM3 IPU	DLF
24	0	17	24.14	31-37.09	103-15.34	5.66	0.36	4	232	5.8	0.00			C	KM3 IPU	DLG
24	0	33	40.15	31-42.29	103-13.73	5.00*	0.24	3	234	3.5	0.02			C	KM3 IPU	DLH
24	1	10	22.01	31-37.39	103-15.85	2.34	0.36	4	232	6.8	0.00			C	KM3 IPD	DLI
24	5	19	11.92	31-37.32	103-15.76	0.98	0.56	4	232	6.6	0.03			C	KM3 IPU	DLJ
24	8	58	30.98	31-37.67	103-15.36	3.13	0.55	5	147	3.2	0.05	0.6	1.5	C	KM3 IPU	DLK

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
FEB 24	9	24	58.99	31-37.25	103-15.48	5.93	0.47	4	160	7.8	0.00			C	KM3 IPU	DLL
24	11	38	3.15	31-37.23	103-15.22	6.78	0.36	5	134	5.7	0.04	1.2	2.7	C	KM3 IPU	DLM
24	20	40	6.74	31-40.52	103- 8.88	13.43	0.25	4	287	5.8	0.00			C	KM3 IPU	DLN
25	1	12	26.60	31-38.90	103-15.54	0.20	0.36	4	102	4.0	0.01			C	KKT IPD	DLO
25	6	37					0.33								KKT IP	
25	5	26	35.78	31-38.79	103-15.93	2.93	0.24	4	111	3.4	0.00			C	KKT IP	DLP
25	7	18	31.19	31-37.08	103-15.69	4.11	0.91	5	94	2.6	0.03	0.4	0.2	C	KIE IPU	DLQ
25	8	24	43.77	31-37.34	103-15.80	5.00*	-.25	3	232	6.7	0.00			C	KM3 IP	DLR
25	11	31	56.74	31-45.56	103-12.14	5.00*	0.37	3	304	9.1	0.01			C	KM3 IPD	DLS
25	11	36	15.30	31-37.13	103-15.63	5.59	0.55	6	94	2.7	0.01	0.1	0.2	B	KM3 IPU	DLT
25	12	25	59.19	31-36.98	103-15.91	0.05	0.56	4	146	6.7	0.04			C	KM3 IPU	DLU
25	12	40	35.17	31-37.39	103-15.44	4.11	0.55	6	89	3.0	0.01	0.1	0.1	A	KM3 IP	DLV
25	13	13	52.03	31-37.41	103-15.66	5.31	0.64	6	88	2.6	0.10	0.9	1.9	A	KM3 IPU	DLW
25	13	40	1.38	31-37.37	103-15.52	4.46	0.46	5	163	2.9	0.03	0.4	0.9	C	KM3 EP	DLX
25	14	26	55.71	31-36.96	103-16.19	5.00*	0.25	3	243	7.1	0.01			C	KT7 IPU	DLY
25	17	37	46.08	31-37.13	103-15.73	5.95	0.61	4	236	6.4	0.00			C	KM3 IPU	DLZ
25	19	13	36.77	31-37.30	103-15.31	4.32	0.64	5	92	3.2	0.01	0.1	0.3	C	KT7 IPU	DMA
26	2	55					0.33								KIE IPU	
25	19	34	39.16	31-37.40	103-15.00	7.69	0.54	4	221	5.5	0.00			C	KIE IPU	DMB
26	3	34	36.08	31-37.29	103-13.91	9.75	0.40	5	116	3.8	0.04	1.4	1.7	C	KTX IPD	DMC
26	4	31	26.89	31-37.16	103-16.01	1.09	0.47	4	147	6.9	0.04			C	KIE IPD	DMD
26	5	20	15.88	31-35.84	103-16.71	5.00*	0.37	3	314	7.9	0.00			C	KIE IPD	DME
26	7	40	34.77	31-37.16	103-15.78	3.79	0.65	5	143	6.5	0.04	0.4	0.4	C	KM3 IP	DMF
26	7	42	44.15	31-37.23	103-14.59	9.47	0.51	5	125	4.8	0.01	0.3	0.5	C	KTX IP	DMG
26	8	29	56.73	31-37.19	103-12.46	16.21	0.41	5	143	1.8	0.04	1.5	1.1	C	KIE IPD	DMH
26	9	38	19.72	31-43.41	103-11.21	5.00*	0.57	3	282	11.4	0.00			C	KIE IP	DMI
26	18	10	12.39	31-37.78	103- 5.02	23.89	0.44	4	307	10.9	0.02			C	KM3 IP	DMJ
26	22	18					****								KM6 EP	
26	19	34	39.71	31-37.48	103-19.63	1.87	0.56	4	211	9.6	0.12			C	KIE IPD	DMK
27	0	6	23.51	31-36.98	103-14.80	8.06	0.28	4	229	5.0	0.00			C	KM3 IPU	DML
27	1	41	19.18	31-37.19	103-15.16	6.96	0.31	4	228	5.6	0.00			C	KM3 IPD	DMM
27	2	15	27.93	31-34.74	103-12.64	24.16	0.27	4	303	3.4	0.00			C	KM3 IP	DMN
27	4	37	48.15	31-37.38	103-15.19	6.63	1.13	4	224	5.7	0.00			C	KM3 IPD	DMO
27	7	19	51.10	31-44.57	103-12.46	5.00*	0.36	3	293	7.2	0.01			C	KM3 IPD	DMP
27	9	7	16.87	31-37.52	103-16.23	0.21	0.24	4	234	7.4	0.12			C	KM3 IPD	DMQ
27	11	1	22.95	31-37.59	103-15.94	0.45	0.03	4	229	7.0	0.11			C	KM3 IPU	DMR
27	11	33	35.15	31-37.64	103-15.42	2.71	0.69	5	149	3.1	0.05	0.5	1.5	C	KIE IPD	DMS
27	12	21	29.33	31-37.22	103-14.89	7.35	0.31	4	224	5.2	0.00			C	KT7 IP	DMT
27	19	11	15.51	31-37.04	103-14.50	3.77	0.41	4	136	4.5	0.00			C	KM3 IP	DMU
28	4	56	2.43	31-37.17	103-15.83	5.00*	0.68	3	236	6.6	0.00			C	KM3 IPD	DMV
28	14	16					****								KIE EP	
28	8	4	15.33	31-37.19	103-15.96	1.78	0.64	4	146	6.8	0.04			C	KIE IP	DMW
28	17	13					****								KIE EP	
28	17	4	50.02	31-37.51	103-15.77	2.73	0.37	4	143	6.7	0.02			C	KIE IP	DMX
28	20	13					****								KIE EP	
28	19	33	34.62	31-36.87	103-15.63	4.95	0.78	5	141	6.2	0.02	0.7	3.3	C	KIE IPD	DMY
28	21	34					****								KT4 EP	
28	3	22					****								KIE EP	
28	7	16					****								KT1 EP	

TABLE 1 LOCATION SUMMARY

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAR 28	20	55	21.43	31-37.29	103-15.07	7.88	0.66	5	132	5.5	0.01	0.1	0.3	C	KKT IP	DMZ
1	21	30	2.40	31-37.29	103-15.55	5.89	0.50	6	91	2.8	0.01	0.1	0.2	B	KKT IPD	DNA
1	23	45	38.82	31-36.87	103-16.05	4.71	0.73	6	101	2.2	0.10	1.0	1.8	B	KKT IP	DNB
2	9	39	58.70	31-36.91	103-15.17	3.84	0.68	5	107	3.5	0.02	0.2	0.6	C	KKT IPD	DNC
2	11	3	51.80	31-37.28	103-15.64	0.30	0.64	5	91	2.7	0.09	0.0	0.8	C	KKT IPD	DND
2	16	39	15.26	31-37.25	103-15.62	4.08	0.64	6	91	2.7	0.02	0.2	0.2	B	KIE IPD	DNE
2	22	20	2.94	31-30.84	103-30.20	5.00*	0.80	3	346	31.0	0.07			C	KKT IPD	DNF
3	1	47	5.49	31-37.38	103-15.79	6.45	0.57	7	88	2.4	0.09	0.7	1.5	A	KKT IPL	DNG
3	2	14	25.48	31-37.11	103-15.59	6.30	0.57	6	94	2.8	0.07	0.7	1.4	B	KKT IP	DNH
3	7	31	28.07	31-35.23	103-16.38	5.00*	0.54	3	266	4.2	0.00			C	KIE IPD	DNI
3	8	34	45.70	31-37.51	103-15.04	8.43	0.75	5	131	5.6	0.04	1.1	1.8	C	KIE IPD	DNJ
3	13	21	26.39	31-37.34	103-15.71	5.70	0.47	5	142	6.5	0.00	0.0	0.2	C	KKT IP	DNK
3	18	32	36.22	31-37.48	103-15.70	4.30	0.95	5	135	2.6	0.02	0.5	0.5	C	KIE IPD	DNL
3	23	35	5.15	31-37.18	103-14.88	9.41	0.64	5	129	5.2	0.01	0.2	0.3	C	KIE IPD	DNM
3	23	45	6.18	31-37.34	103-15.13	6.84	0.64	5	133	5.6	0.05	1.3	3.0	C	KKT IP	DNN
4	0	39	23.74	31-37.35	103-15.57	3.63	1.13	6	90	2.8	0.03	0.3	0.3	A	KIE IP	DNO
4	5	14	18.18	31-37.10	103-15.25	4.15	0.60	5	135	5.7	0.04	0.2	0.1	C	KIE IPD	DNP
4	9	56	8.13	31-37.17	103-14.07	12.24	0.43	4	145	3.9	0.00			C	KIE IP	DNQ
4	10	4	49.44	31-37.09	103-16.34	0.18	0.45	4	153	7.4	0.21			C	KIE IPD	DNR
4	12	9	52.99	31-36.96	103-13.18	12.54	0.68	5	107	2.5	0.03	1.1	0.8	C	KIE IPD	DNS
4	14	7	37.53	31-37.04	103-14.40	10.04	0.54	5	122	4.4	0.07	2.1	2.7	C	KIE IPD	DNT
4	14	51	42.23	31-37.25	103-16.10	0.97	0.55	5	149	7.1	0.05	0.2	2.7	C	KIE IPD	DNU
4	15	46	46.73	31-37.36	103-14.80	9.37	0.54	5	128	5.2	0.04	1.2	1.8	C	KIE IP	DNV
4	17	9	28.40	31-37.06	103-15.77	4.07	0.50	5	143	6.5	0.01	0.0	0.0	C	KIE IPU	DNW
5	1	33	21.93	31-32.96	103-16.51	19.51	0.57	4	164	2.5	0.11			C	KIE IP	DNX
5	4	51	0.06	31-37.33	103-15.23	4.19	0.60	4	134	5.8	0.01			C	KIE IPD	DNY
9	15	9					****								KIE EP	
6	5	59	29.57	31-41.94	103-10.37	63.68	0.47	4	277	4.2	0.23			C	KIE IP	DNZ
9	16	49	31.24	31-38.21	103-16.03	5.00*	0.72	3	145	7.6	0.00			C	KIE EP	DOA
10	7	51	24.17	31-37.23	103-16.07	5.00*	0.56	3	148	7.0	0.00			C	KIE IP	DOB
10	14	18	16.34	31-37.43	103-14.21	9.34	0.62	5	119	4.3	0.00	0.1	0.1	C	KTX IPD	DOC
11	6	17					****								KIE EP	
11	6	17					****								KM2 EP	
11	1	1	27.62	31-35.21	103-15.18	19.80	1.23	4	141	5.9	0.05			C	KIE IPD	DOD
11	12	23					****								KIE EP	
11	12	19	14.72	31-37.37	103-14.70	8.14	0.55	5	126	5.0	0.02	0.6	1.0	C	KIE IP	DOE
11	18	12	59.04	31-36.97	103-13.44	10.59	0.45	4	110	2.9	0.00			C	KIE IPD	DOF
11	13	49	33.58	31-37.05	103-15.07	13.39	0.55	5	132	5.4	0.06	1.9	2.2	C	KM3 IP	DOG
12	2	26	7.89	31-37.22	103-15.58	4.21	0.37	5	140	6.3	0.01	0.1	20.1	D	KIE IPD	DOH
13	9	57					****								KT7 EP	
13	12	5					****								KM3 EP	
13	13	42					****								KM6 EP	
12	6	36	5.27	31-37.12	103-15.07	4.97	1.19	5	132	5.4	0.03	1.2	4.3	C	KIE EPD	DOI
13	17	15					****								KM6 EP	
13	17	17					****								KM6 EP	
13	20	55					****								KT7 EP	
13	22	44					****								KT7 EP	
14	11	10					****								KIE EP	
14	12	4					****								KIE EP	
14	13	13					****								KT7 EP	

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAR 14	14	42					****								KT7 EP	
14	15	19					****								KT7 EP	
14	15	39					****								KT7 EP	
15	7	5					****								KT7 EP	
15	20	20					****								KT7 EP	
15	21	10					****								KT7 EP	
15	23	10					****								KT7 EP	
16	18	55					****								KT7 EP	
13	14	6	46.22	31-37.42	103-14.82	6.46	0.55	5	128	5.2	0.01	0.2	0.5	C	KT7 IPU	DOJ
17	6	52					****								KT7 EP	
17	5	15	21.96	31-37.28	103-15.81	14.32	0.86	5	90	2.4	0.01	0.3	1.0	C	KKT IP	DOK
17	9	5	50.86	31-37.42	103-14.29	5.30	0.92	5	90	4.4	0.00	0.0	0.1	C	KIE IPD	DOL
18	20	16					****								KT7 EP	
17	14	98	36.74	31-37.26	103-16.23	2.73	0.72	5	151	7.3	0.02	0.3	1.7	C	KIE IPD	DOM
19	3	46	29.54	31-37.48	103-15.71	2.77	0.28	4	228	6.6	0.00			C	KIE IPD	DON
20	0	31					****								KT7 EP	
19	7	20	19.08	31-37.45	103-16.07	0.47	0.64	5	148	7.1	0.07	0.1	4.2	C	KIE IPD	DOO
20	21	45					****								KT8 EP	
20	21	52					****								KT8 EP	
20	22	36					****								KT8 EP	
21	3	2					****								KM6 EP	
20	17	11	23.28	31-38.70	103-18.04	7.63	0.28	4	243	7.1	0.00			C	KIE IPD	DOP
19	12	49					****								KT7 EP	
21	5	43	24.41	31-37.13	103-15.15	3.64	0.76	5	133	5.6	0.05	1.0	3.3	C	KIE IPD	DOQ
21	5	52	31.77	31-37.16	103-15.50	2.84	0.54	4	139	6.1	0.08			C	KIE IPU	DOR
21	7	1	32.80	31-37.72	103-15.55	6.25	0.84	5	139	6.5	0.00	0.0	0.1	C	KTX IP	DOS
21	14	54					****								KT7 EP	
21	8	27	41.42	31-36.91	103-12.00	5.00*	0.49	3	229	7.0	0.00			C	KIE IP	DOT
21	16	43	14.22	31-37.15	103-14.96	6.30	0.75	5	131	5.3	0.02	0.5	1.2	C	KTX IP	DOU
22	12	26					****								KT7 EP	
22	15	18					****								KT7 EP	
21	17	9	38.99	31-37.74	103-13.66	11.74	0.62	4	190	5.7	0.00			C	KKT IPD	DOV
23	2	7	32.32	31-37.41	103-15.35	4.34	0.47	6	89	3.1	0.01	0.1	0.2	A	KKT IP	DOW
23	2	38	13.80	31-37.76	103-15.07	4.91	0.33	6	83	3.7	0.01	0.1	0.2	A	KKT IPD	DOX
23	17	23					****								KIE EP	
23	18	14					****								KT7 EP	
23	19	39					****								KIE EP	
25	1	44					****								KT7 EP	
25	2	22					****								KT7 EP	
23	6	28	36.57	31-37.70	103-16.34	4.31	0.35	6	92	1.7	0.11	1.1	1.7	B	KKT IP	DOY
25	11	43					****								KM6 EP	
25	5	30	56.19	31-37.37	103-16.07	4.45	0.45	6	87	2.0	0.29	2.7	4.7	B	KKT IPD	DOZ
25	18	23					****								KT7 EP	
25	9	19	22.06	31-36.46	103-16.05	7.23	0.51	6	116	2.6	0.16	1.9	3.6	B	KM3 IPD	DPA
27	7	2	13.17	31-37.55	103-16.30	5.29	0.01	4	212	1.7	0.00			C	KM3 IPU	DPB
27	11	49					****								KM3 EP	
27	9	16	28.43	31-37.24	103-15.70	5.47	0.08	4	237	2.6	0.00			C	KM3 EP	DPC
27	12	54	22.82	31-44.22	103-13.27	5.00*	0.07	3	281	6.7	0.00			C	KM3 IPU	DPD
27	13	20	2.62	31-37.64	103-15.11	5.21	0.68	4	226	3.5	0.00			C	KT7 IPU	DPE
27	19	46	0.11	31-36.58	103-15.87	5.45	0.12	4	248	6.5	0.00			C	KM3 IPD	DPF

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAR 27	19	47	9.37	31-37.22	103-16.45	6.11	0.55	5	179	1.4	0.05	0.8	1.3	C	KIE IPU	DPG
28	4	25					****								KTX EP	
27	23	15	27.78	31-37.08	103-15.03	14.99	0.28	4	132	5.4	0.00			C	KM3 IPD	DPH
28	13	37					****								KT7 EP	
29	15	20					****								KTX EP	
28	11	36	37.29	31-37.62	103-16.00	4.91	0.01	4	213	2.2	0.00			C	KM3 IPD	DPI
28	23	14					****								KT7 EP	
29	1	44					****								KT7 EP	
28	20	10	14.89	31-37.27	103-15.66	6.43	0.01	4	235	2.6	0.00			C	KM3 IPU	DPJ
29	8	11	32.17	31-37.55	103-16.41	5.69	0.09	4	210	1.5	0.00			C	KM3 IP	DPK
30	0	49	12.73	31-37.41	103-16.17	6.87	0.29	5	162	1.8	0.02	0.3	0.5	C	KM3 IPU	DPL
30	3	4	27.22	31-36.65	103-16.66	6.88	0.08	4	280	1.7	0.00			C	KM3 IPU	DPM
31	0	32					****								KM3 EP	
30	23	22	33.20	31-37.46	103-16.63	5.91	0.09	4	213	1.1	0.00			C	KM3 IPD	DPN
31	13	34					****								KT4 EP	

TABLE 1 LOCATION SUMMARY

1979		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
APR	1	7	13	13.17	31-38.72	103-15.95	0.27	0.21	4	165	3.3	0.01			C	KM3 IPD	DPP
	2	3	50					****								KM2 EP	
	2	8	44					****								KM2 EP	
	3	11	49	47.92	31-37.20	103-15.88	6.68	0.37	4	238	2.3	0.00			C	KM3 IPD	DPQ
	5	12	29					****								KM3 EP	
	6	6	32					****								KM3 EP	
	7	6	23					****								KM3 EP	
	7	23	28					****								KM6 EP	
	8	5	29					****								KT7 EP	
	9	2	3					****								KM3 EP	
	9	7	36					****								KM3 EP	
	10	0	20					****								KM5 EP	
	10	12	1					****								KT7 EP	
	10	5	39	6.41	31-37.48	103-15.28	4.28	1.11	5	88	3.2	0.01	0.1	0.2	C	KKT IPD	DPR
	10	6	29	20.90	31-37.73	103-16.02	5.21	0.17	4	206	2.2	0.00			C	KKT IP	DPS
	10	7	12	58.92	31-37.46	103-15.53	5.38	0.42	4	157	2.9	0.00			C	KKT IP	DPT
	10	10	42					****								KT7 EP	
	10	16	4	37.82	31-36.39	103-14.95	6.69	0.06	4	206	4.2	0.00			C	KT7 IPU	DPU
	12	21	24	22.97	31-36.66	103-15.88	5.84	0.17	4	205	2.6	0.00			C	KT7 IPU	DPV
	13	0	54	24.78	31-37.91	103-15.30	4.66	0.27	5	146	3.4	0.11	1.6	3.1	C	KT7 IPD	DPW
	13	8	12					****								KT7 EP	
	13	9	58	57.09	31-37.19	103-15.56	5.56	0.15	5	173	2.8	0.00	0.0	0.1	C	KM3 IPU	DPX
	13	23	27	33.18	31-37.71	103-15.35	4.14	0.96	5	157	3.2	0.02	0.3	0.2	C	KM3 IPU	DPY
	13	20	21					****								KT7 EP	
	14	1	13	5.77	31-37.15	103-14.83	4.76	0.05	4	247	4.0	0.00			C	KM3 IPU	DPZ
	14	1	33	57.71	31-37.46	103-15.75	4.94	0.06	4	225	2.5	0.00			C	KM3 IPD	DQA
	14	2	51					****								KM2 EP	
	14	10	11					****								KM3 EP	
	14	13	31	49.28	31-36.99	103-15.51	5.97	0.58	4	183	3.0	0.00			C	KM3 IPU	DQB
	14	19	16	27.57	31-34.96	103-20.78	5.00*	0.18	3	324	7.0	0.00			C	KT7 IPU	DQC
	14	23	44	30.89	31-37.07	103-15.60	4.90	0.05	4	245	2.8	0.00			C	KM3 IPD	DQD
	14	23	49	35.96	31-37.61	103-15.39	4.50	0.75	5	158	3.1	0.03	0.4	0.7	C	KM3 IPD	DQE
	15	6	32					****								KT1 EP	
	15	13	30					****								KM2 EP	
	15	22	32					****								KM2 EP	
	15	22	42					****								KM2 EP	
	16	11	22	57.16	31-37.81	103-15.45	4.06	0.01	4	141	3.1	0.00			C	KM3 IPD	DQF
	16	19	4	10.12	31-37.08	103-15.43	5.32	0.17	5	178	3.0	0.04	0.7	1.3	C	KM3 IPD	DQG
	17	16	41	53.73	31-41.07	103-10.48	5.00*	0.26	3	271	8.8	0.01			C	KT7 IPU	DQH
	18	18	9					****								KM3 EP	
	18	19	44					****								KM3 EP	
	18	22	16					****								KM3 EP	
	19	5	10	44.26	31-37.75	103-15.97	4.73	0.41	5	146	2.3	0.01	0.1	0.2	C	KM3 IPU	DQI
	19	5	50	55.65	31-37.12	103-15.74	6.21	0.03	5	178	2.6	0.08	1.2	2.2	C	KM3 IPD	DQJ
	19	7	40					****								KM3 EP	
	20	10	3					****								KT7 EP	
	20	12	21					****								KT7 EP	
	20	12	56					****								KM6 EP	
	20	19	27					****								KT7 EP	
	21	0	23					****								KM6 EP	

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
APR 21	6	28	8.18	31-38.14	103-14.43	6.25	0.76	6	94	4.8	0.21	2.6	4.6	C	KKT IPD	DQK
21	7	10	17.40	31-37.59	103-15.19	4.03	0.24	6	86	3.4	0.12	1.1	0.8	B	KKT IP	DQL
21	13	32	10.73	31-37.27	103-15.27	5.06	0.28	5	167	3.3	0.03	0.4	0.9	C	KM3 IPU	DQM
21	13	42					****								KT7 EP	
22	9	59					****								KT7 EP	
22	13	34	10.46	31-37.67	103-15.77	0.76	0.45	8	147	2.5	0.29	1.5	8.4	C	KKT IP	DQN
22	18	35					****								KT7 EP	
22	18	56	27.17	31-38.13	103-15.03	2.40	0.62	4	127	3.9	0.00			C	KKT IP	DQO
22	21	16					****								KT7 EP	
23	0	57	58.50	31-38.34	103-15.38	4.08	0.14	4	118	3.6	0.00			C	KKT IP	DQP
23	4	24	57.96	31-26.09	103- 4.17	5.00*	0.25	3	341	29.5	0.25			C	KKT IP	DQQ
23	6	4					****								KT7 EP	
23	13	46	48.82	31-37.29	103-14.66	4.08	0.64	5	94	4.2	0.09	1.1	0.8	C	KKT IP	DQR
23	16	6	45.88	31-37.04	103-15.44	6.08	0.43	6	96	3.0	0.07	0.7	1.4	B	KKT IP	DQS
23	16	57	36.11	31-37.61	103-15.12	4.08	0.74	5	86	3.5	0.04	0.5	0.3	C	KKT IP	DQT
24	1	26	24.95	31-37.21	103-15.29	4.12	0.72	5	94	3.2	0.17	2.0	1.2	C	KKT IP	DQU
24	1	57					****								KT7 EP	
24	4	18					****								KT7 EP	
23	21	34					****								KT7 EP	
24	9	13	55.93	31-37.60	103-16.01	5.04	0.59	6	83	2.1	0.07	0.7	1.2	A	KKT IPD	DQV
24	12	11	51.10	31-38.13	103-16.13	4.28	0.63	6	104	2.4	0.35	3.3	5.8	C	KKT IPD	DQW
24	13	50	29.16	31-37.34	103-15.03	4.17	0.38	6	92	3.6	0.07	0.6	0.4	B	KKT IP	DQX
24	20	28	29.58	31-36.50	103-20.49	5.00*	0.24	3	304	5.3	0.01			C	KKT IP	DQY
24	21	12	50.18	31-35.07	103-15.50	12.08	0.26	4	258	5.1	0.00			C	KKT IP	DQZ
24	22	45	27.73	31-37.58	103-14.89	5.26	0.63	4	144	3.9	0.00			C	KKT IP	DRA
24	23	28	32.47	31-35.87	103-17.61	4.24	0.39	4	177	2.8	0.00			C	KKT IP	DRB
25	0	19					****								KM6 EP	
25	2	52	49.43	31-38.17	103-24.46	5.00*	0.23	3	312	11.4	0.00			C	KKT IP	DRC
25	3	18	29.82	31-38.48	103-15.36	0.36	0.57	6	91	3.7	0.55	3.7	71.7	C	KKT IP	DRD
25	3	40	39.76	31-37.28	103-17.30	5.00*	0.05	3	352	0.2	0.07			C	KKT IP	DRE
25	4	30	25.89	31-38.99	103-16.28	0.81	0.56	4	125	3.4	0.13			C	KKT IP	DRF
25	5	0	50.78	31-36.80	103-15.41	5.41	0.16	4	256	3.2	0.00			C	KKT IP	DRG
25	6	12	1.75	31-38.14	103-17.08	6.07	0.58	6	151	1.5	0.25	2.9	5.0	C	KKT IP	DRH
25	6	25	31.59	31-38.43	103-14.42	0.34	0.40	4	171	5.0	0.13			C	KKT IP	DRI
25	7	25	57.23	31-36.70	103-15.22	3.14	0.74	5	105	3.5	0.02	0.3	0.8	C	KKT IP	DRJ
25	10	0	32.33	31-37.46	103-15.96	5.00*	0.36	3	159	2.2	0.00			C	KKT IP	DRK
25	10	35	55.75	31-29.22	103-24.50	49.32	0.57	4	325	18.8	0.12			C	KKT IP	DRL
25	12	41	20.83	31-37.33	103-18.43	5.14	0.48	4	190	1.7	0.05			C	KKT IP	DRM
25	20	15	30.92	32-43.30	105- 4.16	0.0	1.33	4	3572	00.6	****			D	KIE IP	DRN
25	20	18	30.86	31-38.01	103-14.85	0.39	0.45	6	84	4.1	0.32	2.2	44.7	B	KKT IP	DRO
25	23	34	47.86	31-37.62	103-15.46	3.56	0.45	6	85	3.0	0.18	1.4	3.5	B	KKT IP	DRP
25	23	39					****								KM6 EP	
26	1	9	25.83	31-37.26	103-15.03	4.54	0.71	5	93	3.6	0.04	0.5	1.0	C	KKT IP	DRQ
26	2	11					****								KT7 EP	
26	2	51	30.56	31-37.95	103-15.14	3.97	0.59	5	80	3.6	0.07	0.8	0.6	C	KKT IP	DRR
26	3	11	56.60	31-38.02	103-15.23	5.00*	0.47	3	209	3.5	0.00			C	KKT IP	DRS
26	4	16	8.03	31-33.61	103-20.34	23.32	0.47	4	302	8.4	0.04			C	KKT IP	DRT
26	21	4					****								KM6 EP	
27	3	57	54.86	31-37.31	103-15.84	16.21	0.36	4	168	2.3	0.00			C	KM3 IP	DRU
27	5	54	54.98	31-38.93	103-14.79	0.87	0.39	4	174	5.0	0.14			C	KKT IP	DRV

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
APR 27	8	48	19.60	31-37.03	103-15.33	3.74	0.38	6	97	3.2	0.00	0.0	0.0	B	KT7 IP	DRW
27	9	8	30.46	31-36.58	103-15.43	6.61	0.39	5	203	3.3	0.07	1.7	3.1	C	KKT IP	DRX
27	11	15	51.18	31-37.18	103-15.68	6.60	0.59	5	92	2.6	0.08	1.3	2.6	C	KKT IPD	DRY
27	17	58	51.09	31-37.80	103-15.58	3.46	0.51	4	139	2.9	0.00			C	KKT IP	DRZ
27	18	33					****								KT7 EP	
27	19	51	18.23	31-37.24	103-14.89	1.88	0.50	6	94	3.9	0.04	0.3	1.4	B	KKT IP	DSA
28	3	49	31.94	31-38.16	103-15.74	1.80	0.64	6	93	2.9	0.27	1.9	6.9	C	KKT IP	DSB
28	11	49					****								KT7 EP	
28	21	35	38.79	31-37.32	103-17.06	6.46	0.39	5	113	0.4	0.02	0.3	0.5	C	KKT IP	DSC
29	0	34	44.50	30-30.84	103-56.62	18.79	0.68	4	3541	37.9	0.03			C	KKT IP	DSD
29	5	8	58.58	31-37.46	103-15.45	3.99	0.84	6	88	3.0	0.11	1.0	0.7	A	KKT IP	DSE
29	6	24	55.74	31-37.73	103-15.14	3.90	0.69	5	84	3.5	0.06	0.7	0.5	C	KKT IP	DSF
29	9	36	57.88	31-38.64	103-15.53	5.00*	0.16	3	254	3.7	0.00			C	KTX IP	DSG
29	9	53	40.19	31-36.18	103-15.40	8.96	0.61	6	115	3.7	0.12	1.7	2.9	B	KKT IP	DSH
29	13	18	44.58	31-38.36	103-15.17	5.72	0.40	6	85	3.9	0.15	1.6	3.1	B	KKT IP	DSI
29	14	8					****								KT7 EP	
29	15	46	9.35	31-38.06	103-14.88	3.89	0.36	5	84	4.1	0.19	2.5	1.7	C	KM3 IP	DSJ
29	19	56	48.22	31-37.28	103-15.91	7.61	0.76	6	89	2.2	0.09	1.1	2.1	B	KKT IP	DSK
29	21	1	45.19	31-35.26	103-16.79	9.27	0.60	5	159	4.0	0.06	1.5	3.1	C	KKT IPD	DSL
29	21	7	14.54	31-11.55	104-37.10	27.21	1.00	4	3541	35.1	0.07			C	KKT IP	DSM
30	0	55	44.34	31-37.54	103-15.16	7.45	0.69	6	87	3.5	0.07	0.9	1.6	A	KKT IPD	DSN
30	1	50	47.48	31- 4.87	103-38.38	33.58	0.86	4	349	68.7	0.11			C	KKT IP	DSO
30	2	6	30.86	31-36.81	103-14.98	4.10	0.30	4	104	3.8	0.00			C	KKT IP	DSP
30	2	15	19.96	31-36.61	103-15.00	3.21	0.47	5	109	3.9	0.01	0.1	0.5	C	KKT IP	DSQ
30	3	16	3.31	31-37.52	103-15.15	5.00*	0.35	3	154	3.5	0.00			C	KKT IP	DSR
30	5	58	41.26	31-37.37	103-15.28	5.71	0.62	5	126	3.2	0.04	0.8	1.6	C	KKT IP	DSS
30	7	48	5.32	31-37.89	103-14.95	0.52	0.38	4	137	3.9	0.01			C	KKT IP	DST
30	8	17	41.47	31-37.42	103-15.13	2.11	0.30	4	159	3.5	0.00			C	KKT IP	DSU
30	8	33	47.36	31-36.63	103-15.22	6.81	0.21	4	198	3.6	0.00			C	KKT IP	DSV
30	13	58	6.26	31-37.17	103-15.39	4.96	0.30	5	173	3.1	0.04	0.6	1.2	C	KKT IP	DSW
30	14	58	42.34	31-37.60	103-15.48	5.34	0.53	5	151	3.0	0.09	1.3	2.6	C	KKT IP	DSX
30	17	2	31.87	31-37.52	103-15.35	6.37	0.69	5	87	3.1	0.06	0.9	1.8	C	KKT IP	DSY
30	18	41	3.49	31-37.49	103-15.37	3.82	0.57	6	88	3.1	0.04	0.4	0.3	A	KKT IPD	DSZ
30	20	7	38.78	31-37.44	103-15.14	4.27	0.57	6	89	3.5	0.09	0.8	1.9	A	KKT IP	DTA

TABLE 1 LOCATION SUMMARY

1979		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAY	1	1	53	34.27	31-37.39	103-15.39	4.02	0.64	6	90	3.1	0.04	0.3	0.2	A	KKT 1P	DTB
	1	2	51	18.27	31-32.62	103-10.84	5.00*	0.72	3	272	7.1	0.21			C	KTX 1P	DTC
	1	3	22	53.62	31-37.94	103-15.20	3.95	0.59	6	80	3.5	0.09	0.8	0.6	A	KKT 1P	DTD
	1	3	48	49.78	31-37.08	103-14.97	5.00*	0.66	3	186	3.8	0.00			C	KTX 1P	DTE
	1	6	21	19.71	31-37.20	103-15.21	5.38	0.59	6	94	3.4	0.12	1.2	2.5	B	KKT 1P	DTF
	1	7	31	18.74	31-37.52	103-15.67	6.50	0.59	6	86	2.6	0.09	1.0	1.9	A	KKT 1P	DTG
	1	11	7	41.36	31-37.69	103-15.77	4.62	0.57	6	83	2.5	0.05	0.4	0.8	A	KKT 1P	DTH
	1	13	7					****								KT7 EP	
	1	15	16	30.06	31-37.04	103-15.48	5.00*	0.59	3	180	3.0	0.00			C	KKT 1P	DTI
	1	16	5	47.03	31-37.35	103-15.62	5.30	0.86	5	89	2.7	0.03	0.5	0.8	C	KKT 1P	DTJ
	1	20	46					****								KT7 EP	
	1	21	10					****								KT7 EP	
	2	0	21	53.46	31-37.45	103-15.87	4.81	0.50	6	87	2.3	0.08	0.7	1.4	A	KKT 1P	DTK
	2	0	56	35.88	31-37.41	103-15.51	4.99	0.62	6	89	2.9	0.04	0.4	0.9	A	KKT 1P	DTL
	2	4	36	51.24	31-37.59	103-15.21	3.93	0.53	5	151	3.4	0.04	0.6	0.5	C	KKT 1P	DTM
	2	7	29	34.83	31-36.86	103-15.39	8.12	0.36	5	189	3.2	0.03	0.8	1.5	C	KKT 1P	DTN
	2	12	13	1.15	31-37.54	103-15.38	4.50	0.64	6	87	3.1	0.04	0.4	0.9	A	KKT 1P	DTO
	2	13	3	15.10	31-37.63	103-15.69	6.05	0.64	6	84	2.6	0.11	1.1	2.2	B	KKT 1P	DTP
	2	14	35	47.98	31-37.78	103-15.64	5.00*	0.16	3	142	2.8	0.00			C	KKT 1P	DTQ
	2	16	43	31.82	31-37.31	103-15.30	0.91	0.91	5	92	3.2	0.02	0.2	1.7	C	KKT 1P	DTR
	2	18	2					****								KT7 EP	
	2	19	46	16.41	31-37.50	103-14.61	3.96	0.90	4	146	4.3	0.00			C	KKT 1P	DTS
	2	21	40	35.14	31- 0.58	103-12.39	4.13	1.36	4	352	66.2	0.24			C	KKT 1PU	DTT
	2	23	33					****								KT7 EP	
	3	1	23					****								KT7 EP	
	3	2	3	1.41	31-38.02	103-15.81	6.52	0.71	6	91	2.7	0.07	0.8	1.5	B	KT7 1PU	DTU
	3	3	49					****								KT7 EP	
	3	4	53	11.77	31-37.59	103-15.43	5.64	0.64	5	86	3.0	0.02	0.3	0.5	C	KKT 1P	DTV
	3	5	24	23.98	31-37.45	103-16.48	5.38	0.64	7	83	1.4	0.13	0.9	1.9	A	KKT 1P	DTW
	3	7	47	7.39	31-36.37	103-19.91	5.00*	0.33	3	306	4.5	0.01			C	KKT 1P	DTX
	3	19	9					****								KM6 EP	
	3	19	40					****								KT7 EP	
	3	22	13	9.27	31-37.43	103-15.20	5.59	0.59	6	89	3.4	0.08	0.8	1.7	A	KKT 1P	DTY
	3	23	42	48.43	31-37.96	103-14.86	5.40	0.69	6	84	4.1	0.11	1.1	2.4	B	KKT 1P	DTZ
	4	4	21	0.57	31-38.42	103-15.41	6.35	0.64	6	91	3.6	0.10	1.1	2.1	B	KKT 1P	DUA
	4	12	4	55.87	31-37.69	103-15.74	4.79	0.54	4	135	2.6	0.00			C	KKT 1P	DUB
	4	14	14	17.27	31-37.60	103-15.27	2.98	0.84	6	86	3.3	0.07	0.5	1.5	A	KKT 1P	DUC
	4	17	56	14.37	31-33.08	103-15.25	2.90	0.92	4	295	8.3	0.00			C	KKT 1PU	DUD
	4	22	12					****								KT7 EP	
	5	1	30					****								KT8 EP	
	5	3	24	10.08	31-38.17	103-15.68	2.69	0.64	7	92	3.0	0.14	0.7	2.5	B	KKT 1P	DUE
	7	13	11					****								KM6 EP	
	8	5	15					****								KT7 EP	
	8	9	43	28.00	31-37.40	103-15.75	4.67	0.16	4	229	2.5	0.00			C	KKT 1P	DUF
	8	22	52	32.53	31-36.98	103-15.09	6.95	0.31	5	170	3.6	0.01	0.2	0.3	C	KKT 1P	DUG
	8	22	58					****								KM6 EP	
	9	12	38	0.22	31-37.30	103-15.25	3.29	0.43	6	92	3.3	0.07	0.5	1.5	B	KKT 1P	DUH
	9	12	55					****								KT7 EP	
	11	20	21					****								KT7 EP	
	12	22	37					****								KM6 EP	

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
MAY 13	6	39					****								KT7 EP	
13	22	48					****								KT7 EP	
14	8	39	56.53	31-37.66	103-15.43	3.57	0.64	6	84	3.1	0.02	0.2	0.5	A	KKT 1PD	DUI
14	15	51					****								KT7 EP	
14	21	15					****								KT8 EP	
14	23	14					****								KT7 EP	
15	17	43					****								KT7 EP	
15	23	5					****								KM6 EP	
17	10	8					****								KT7 EP	
18	6	55	56.95	31-37.35	103-15.26	5.00*	0.35	3	197	3.3	0.03			C	KKT 1P	DUJ
18	20	32					****								KT7 EP	
18	23	41					****								KT7 EP	
19	1	50					****								KT7 EP	
21	20	28					****								KT7 EP	
21	22	31					****								KT7 EP	
21	22	57					****								KT7 EP	
22	0	23					****								KT7 EP	
22	8	44					****								KT7 EP	
22	15	59					****								KT7 EP	
22	22	52					****								KT7 EP	
23	0	52					****								KT7 EP	
23	1	13					****								KT7 EP	
19	22	53					****								KT7 EP	
20	8	22					****								KT7 EP	
20	19	48					****								KT7 EP	
23	20	53					****								KT5 EP	
25	16	54					****								KT7 EP	
26	0	21					****								KT4 EP	
27	1	4					****								KT7 EP	
27	5	15					****								KT7 EP	
27	5	47					****								KT7 EP	
27	5	54					****								KT7 EP	
27	9	42					****								KT7 EP	
28	15	9					****								KT7 EP	
29	13	6					****								KT7 EP	
30	0	0					****								KT7 EP	
30	9	58					****								KT7 EP	
30	19	28					****								KT7 EP	
31	15	14					****								KM5 EP	
31	15	25	22.76	31-30.67	103-13.34	0.57	1.53	4	275	6.7	0.23			C	KT7 1PU	DUK

TABLE 1 LOCATION SUMMARY

1979		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUN	1	9	36	47.15	31-38.21	103-15.35	3.84	0.63	4	151	3.5	0.00			C	KKT IP	DUL
	1	14	10	13.72	31-37.20	103-15.23	5.00*	0.59	3	170	3.3	0.00			C	KKT IPD	DUM
	1	17	13	41.86	31-37.54	103-16.27	6.30	0.48	4	153	1.7	0.01			C	KM3 IPD	DUN
	1	17	17	13.48	31-38.40	103-16.23	5.22	0.55	6	114	2.6	0.07	0.7	1.3	B	KM3 IPD	DUO
	1	17	24	54.10	31-37.59	103-15.90	5.87	0.48	5	151	2.3	0.03	0.4	0.7	C	KM3 IPD	DUP
	1	17	38	43.95	31-37.41	103-15.39	5.00*	0.34	3	232	3.1	0.00			C	KM3 IPD	DUQ
	1	18	6	49.50	31-38.01	103-15.71	3.67	0.74	5	89	2.8	0.04	0.4	0.4	C	KM3 IPD	DUR
	1	19	23	24.28	31-37.88	103-15.85	5.15	0.49	6	88	2.5	0.02	0.2	0.4	A	KM3 IPD	DUS
	1	20	56	0.88	31-36.34	103-15.73	7.60	0.35	4	165	3.1	0.00			C	KM3 EP	DUT
	1	23	49	58.19	31-37.91	103-15.87	4.33	0.69	5	89	2.5	0.04	0.6	1.0	C	KM3 IP	DUU
	2	0	30	6.96	31-37.64	103-15.75	5.24	0.34	5	149	2.5	0.01	0.2	0.4	C	KM3 IPU	DUV
	2	0	53	13.30	31-37.50	103-16.42	6.54	0.38	6	154	1.5	0.07	0.8	1.6	B	KM3 EP	DUW
	2	1	44	51.98	31-37.63	103-16.03	5.00*	0.27	3	212	2.1	0.00			C	KM3 EP	DUX
	2	1	57	57.95	31-37.70	103-15.70	5.26	0.29	4	146	2.7	0.00			C	KM3 EP	DUY
	2	2	5	2.39	31-37.60	103-15.98	6.61	0.38	4	150	2.2	0.00			C	KM3 IPU	DUZ
	2	4	59	31.93	31-37.99	103-15.63	4.45	0.71	6	86	2.9	0.04	0.3	0.7	A	KM3 IPD	DVA
	2	10	7					****								KT7 EP	
	2	13	54	52.56	31-38.30	103-15.96	4.30	0.34	4	180	2.8	0.00			C	KM3 EP	DVB
	2	13	55	26.72	31-38.21	103-15.50	3.76	0.57	5	89	3.3	0.04	0.5	0.5	C	KM3 IPD	DVC
	2	15	47	12.50	31-37.43	103-15.95	7.17	0.45	4	161	2.2	0.00			C	KM3 IPU	DVD
	2	19	50	12.59	31-38.08	103-15.92	5.00*	0.19	3	191	2.6	0.00			C	KM3 EP	DVE
	2	23	17	19.93	31-37.86	103-15.91	4.12	0.22	4	202	2.4	0.00			C	KM3 EP	DVF
	2	23	51	11.42	31-37.46	103-16.08	5.47	0.32	4	159	2.0	0.00			C	KM3 EP	DVG
	3	2	28	15.00	31-37.93	103-15.79	4.50	0.53	5	88	2.7	0.01	0.1	0.2	C	KM3 IPU	DVH
	3	11	23	31.01	31-37.64	103-16.23	5.00*	0.40	3	207	1.8	0.00			C	KM3 EP	DVI
	3	12	0	31.75	31-37.93	103-15.78	5.15	0.45	5	133	2.7	0.03	0.7	1.5	C	KM3 EP	DVJ
	3	18	31	52.04	31-37.91	103-15.80	5.00*	0.40	3	202	2.6	0.00			C	KM3 IPU	DVK
	3	20	43	4.64	31-38.10	103-15.77	4.51	0.73	6	92	2.8	0.02	0.2	0.4	B	KM3 IPD	DVL
	3	23	48					0.08								KKT EP	
	4	0	49	25.35	31-36.04	103-16.48	13.08	0.63	4	246	2.8	0.00			C	KKT IP	DVM
	4	1	51	10.13	31-37.94	103-15.57	0.34	0.29	5	134	3.0	0.04	0.2	3.7	C	KKT IP	DVN
	4	6	30					****								KIE IP	
	4	7	45	17.75	31-36.98	103-15.63	7.28	0.49	4	249	2.8	0.00			C	KKT IP	DVO
	4	8	50	22.39	31-38.10	103-15.63	8.05	0.72	6	89	3.0	0.04	0.5	0.9	A	KKT IP	DVP
	4	8	55	49.25	31-38.70	103-16.17	3.51	0.35	4	159	3.1	0.00			C	KKT IP	DVQ
	4	10	56	46.61	31-37.46	103-16.27	11.26	0.64	6	84	1.7	0.20	3.3	5.0	B	KKT IPD	DVR
	4	12	14	21.74	31-37.15	103-15.17	8.74	0.11	4	244	3.4	0.00			C	KKT IP	DVS
	4	13	12	45.94	31-38.39	103-15.24	5.00*	0.35	3	195	3.8	0.17			C	KKT IP	DVT
	4	14	32	11.43	31-36.10	103-16.73	4.13	0.56	5	252	2.5	0.09	2.0	1.1	C	KKT IP	DVU
	4	15	36	45.14	31-37.46	103-18.57	5.00*	0.53	3	267	2.0	0.00			C	KKT IPD	DVV
	4	16	41	9.71	31-37.86	103-15.87	4.11	0.62	7	88	2.5	0.09	0.7	0.5	A	KM3 IPU	DVW
	4	19	4	48.95	31-37.71	103-15.89	5.19	0.67	9	82	2.4	0.08	0.4	0.6	A	KM3 IPU	DVX
	5	6	28	0.0	31-37.46	103-15.74	5.00*	0.27	3	225	2.5	0.00			C	KM3 IPU	DVY
	5	9	34	18.84	31-37.35	103-16.00	5.82	0.58	7	166	2.1	0.08	0.6	1.4	B	KM3 IPU	DVZ
	5	10	50	52.00	31-37.83	103-15.77	6.02	0.64	10	84	2.6	0.08	0.3	0.6	A	KM3 IPU	DWA
	5	14	55	25.50	31-37.76	103-15.84	5.00*	0.27	3	208	2.5	0.00			C	KM3 IPU	DWB
	6	1	46	43.18	31-37.73	103-15.65	5.00*	0.24	3	213	2.7	0.00			C	KM3 EP	DWC
	6	4	46	13.86	31-37.61	103-16.02	4.75	0.30	6	149	2.1	0.04	0.4	0.9	B	KM3 IPU	DWD
	6	7	1	31.40	31-37.46	103-15.74	5.00*	0.34	3	225	2.5	0.00			C	KM3 IPD	DWE
	6	7	22	46.87	31-37.57	103-16.27	6.22	0.26	5	211	1.7	0.04	0.6	1.3	C	KM3 IPU	DWF

1979		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUN	6	9	6					0.08								KM3 EP	
	6	10	56	6.75	31-37.82	103-16.19	4.95	0.34	4	197	2.0	0.00			C	KM3 IPU	DWG
	6	16	51	47.56	31-37.94	103-17.43	5.00*	0.23	3	182	1.1	0.01			C	KKT IPU	DWH
	6	17	6	11.20	31-37.92	103-15.90	4.97	0.49	7	132	2.5	0.03	0.2	0.6	B	KM3 IPU	DWI
	6	19	27	42.08	31-37.87	103-15.87	5.50	0.65	7	135	2.5	0.04	0.3	0.5	B	KM3 IP	DWJ
	6	22	27	25.09	31-37.74	103-15.96	5.78	0.38	8	142	2.3	0.04	0.3	0.4	B	KM3 IPD	DWK
	6	23	13	48.54	31-38.00	103-15.74	3.20	0.39	4	141	2.8	0.00			C	KKT IPD	DWL
	7	2	11	4.91	31-37.68	103-15.89	5.33	0.34	5	212	2.4	0.00	0.1	0.1	C	KM3 EP	DWM
	7	3	18	36.06	31-37.79	103-16.10	3.58	0.03	5	201	2.1	0.03	0.3	0.7	C	KM3 EP	DWN
	7	5	25	12.33	31-37.97	103-16.00	5.33	0.54	8	95	2.4	0.06	0.3	0.8	B	KM3 IPU	DWO
	7	5	45	2.09	31-38.07	103-15.90	4.95	0.19	5	125	2.6	0.01	0.1	0.2	C	KM3 IPD	DWP
	7	5	45	56.08	31-37.48	103-16.06	5.40	0.27	4	220	2.0	0.00			C	KM3 IPU	DWQ
	7	5	45	40.87	31-37.77	103-16.15	5.42	0.48	7	138	2.0	0.03	0.2	0.6	B	KM3 IPU	DWR
	7	7	33					****								KM2 EP	
	7	7	40					****								KM2 EP	
	7	10	40	2.35	31-37.22	103-15.42	5.00*	0.11	3	239	3.0	0.00			C	KM3 EP	DWS
	7	16	19	50.70	31-37.00	103-14.94	4.15	0.47	4	130	3.8	0.00			C	KKT EP	DWT
	7	21	35	33.70	31-37.80	103-14.53	2.97	0.07	4	155	4.5	0.00			C	KKT EP	DWU
	7	22	44	14.74	31-36.75	103-14.90	4.11	****	6	106	4.0	0.08	0.6	0.4	B	KM3 IPD	DWV
	8	0	5					****								KM6 EP	
	8	7	25	3.89	31-36.89	103-16.83	0.08	0.37	4	303	9.7	0.02			C	KM3 EP	DWV
	8	8	0	0.48	31-54.76	103- 0.93	3.46	0.34	8	128	4.4	0.25	2.0	1.5	B	KM9AIPD	DWW
	8	8	36	40.02	31-37.90	103-15.85	5.61	0.36	5	222	7.1	0.01	0.3	0.8	C	KM3 IPU	DWX
	9	6	41					****								KM6 EP	
	10	6	44					****								KT8 EP	
	10	7	0					****								KM6 EP	
	11	10	12	25.92	31-37.09	103-15.39	8.27	0.62	5	137	5.9	0.01	0.4	0.7	C	KM3 IPU	DWY
	11	14	2	54.18	32- 2.85	103-21.06	21.47	****	9	228	3.1	0.54	11.7	10.5	D	KT1 EP	DWZ
	11	15	56	6.41	31-37.24	103-15.80	4.44	0.99	4	144	6.6	0.00			C	KM3 IPU	DXA
	11	16	7	2.21	31-44.53	103-12.94	5.00*	0.54	3	288	7.2	0.01			C	KM3 EP	DXB
	12	1	43					****								KM6 EP	
	12	6	10	0.94	31-47.10	103-10.03	5.00*	0.56	3	321	12.5	0.00			C	KM3 EP	DXC
	12	21	40					****								KM3 EP	
	13	1	44					****								KT1 EP	
	13	10	57					****								KM3 EP	
	14	11	58					****								KM6 EP	
	14	14	55	2.59	31-44.41	103- 8.34	5.45	2.00	9	88	5.4	0.15	1.1	3.4	B	KT1 EP	DXD
	14	18	18	27.46	31-37.53	103-16.24	0.62	0.24	4	234	7.4	0.17			C	KM3 IPU	DXE
	15	9	2					****								KM3 EP	
	15	20	26					****								KM2 EP	
	16	21	19	23.71	31-49.07	102-37.96	5.11	1.91	7	276	28.4	0.29	21.9	25.8	D	KM2 EP	DXF
	17	15	16					****								KT1 EP	
	17	19	43	22.91	31-39.89	102-55.88	42.95	****	9	236	16.4	0.55	4.1	5.7	D	KT1 EP	DXG
	18	22	34					0.08								KM3 IPU	
	19	6	59					****								KM3 EP	
	19	17	56	50.13	31-37.44	103-15.85	0.78	0.27	5	144	6.8	0.01	0.2	2.6	C	KM3 IPU	DXH
	20	3	19	53.44	31-38.40	103-15.18	8.97	0.28	4	203	5.9	0.01			C	KM3 IPU	DXI
	20	8	31	45.65	31-45.36	103-12.51	5.00*	0.12	3	300	8.7	0.01			C	KM3 IPU	DXJ
	20	21	57	30.59	33- 7.91	102-46.68	5.00*	0.79	3	3571	65.4	0.15			C	KM3 IPU	DXK
	21	12	16	41.41	31-37.84	103-14.98	5.00*	****	3	211	5.8	0.00			C	KM3 IPU	DXL

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUN 21	14	18					****								KM6 EP	
21	17	9					****								KM6 EP	
22	6	34					****								KM6 EP	
23	1	23	40.02	31-45.56	103-12.96	4.73	0.37	4	299	9.1	0.05			C	KM3 IPU	DXM
23	3	10					****								KT1 EP	
24	1	21					****								KT1 EP	
24	5	51	14.60	31-41.81	103-14.50	9.34	0.45	4	202	3.7	0.02			C	KM3 EP	DXN
24	9	11					****								KT1 EP	
62	51	11					****								KM3 EP	
25	12	37					****								KM3 EP	
26	15	12					****								KT7 EP	
26	15	30					****								KT7 EP	
26	15	30					****								KT7 EP	
26	23	2					****								KT7 EP	
26	23	15					****								KT8 EP	
27	9	10					****								KT7 EP	
27	9	50					****								KT7 EP	
27	21	57					****								KT8 EP	
27	23	15					****								KT8 EP	
29	14	46					****								KT7 EP	
30	0	38					****								KT7 EP	
30	8	39	13.36	31-42.71	102-44.81	34.44	1.83	8	269	30.1	0.83	24.4	23.7	D	KIE EP	DXO
30	20	59					****								KT7 EP	

TABLE 1 LOCATION SUMMARY

1979		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
JUL	1	6	8					****								KT7 EP	
	1	20	44					****								KT7 EP	
	2	23	17	32.87	32- 9.31	105-17.98	9.94	3.26	5	3422	02.6	0.69	997.6	*****	D	KIE EP	DXO
	3	8	15	2.30	31-36.30	103-13.63	1.07	0.54	4	130	3.0	0.18			C	KIE IP	DXP
	4	0	26	28.75	31-35.46	103-18.18	5.00*	0.61	3	189	6.8	0.00			C	KTX IP	DXQ
	4	5	19					****								KT7 EP	
	4	10	19					****								KT7 EP	
	5	6	23					****								KT7 EP	
	6	2	12					****								KT7 EP	
	6	3	26	24.86	31-36.83	103-15.09	5.00*	0.48	3	133	5.4	0.00			C	KIE IP	DXR
	6	13	54	55.21	31-37.99	103-12.87	5.00*	0.36	3	166	3.4	0.00			C	KIE EP	DXS
	7	9	37					****								KTX EP	
	8	9	22	53.85	31-44.22	102-56.15	58.12	0.85	4	243	15.7	0.14			C	KT8 EP	DXT
	10	4	12	0.81	32-15.83	103-13.61	46.04	0.03	4	288	23.7	0.14			C	KT7 EP	DXU
	10	10	35	40.40	31-46.36	103-10.67	5.00*	0.73	3	316	10.9	0.00			C	KT7 IP	DXV
	10	14	4					****								KT8 EP	
	10	21	56					****								KT7 EP	
	11	2	11					****								KT7 EP	
	11	3	38	22.74	31-44.24	103-22.95	5.00*	0.43	3	359	7.9	0.05			C	KT7 IPU	DXW
	11	14	14					****								KM6 EP	
	12	18	49					****								KT8 EP	
	12	23	15					****								KT7 EP	
	13	8	24					****								KT7 EP	
	14	6	40					****								KT7 EP	
	15	20	0					****								KT7 EP	
	16	0	8					****								KT7 EP	

TABLE 1 LOCATION SUMMARY

1979		HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
AUG	8	9	26	34.68	31-42.08	103-19.70	5.00*	0.10	3	271	2.3	2.66			D	KT7 IPD	DXX
	8	15	3					****								KM6 EP	
	8	22	53					****								KT7 EP	
	9	5	2	38.98	31-37.42	103-14.41	12.96	0.83	4	147	4.6	0.00			C	KKT IP	DXY
	9	9	59					0.69								KTX IP	
	9	9	59	32.21	31-37.51	103-15.60	5.00*	0.72	3	140	6.4	0.00			C	KT7 IPU	DYA
	12	15	30					****								KT7 EP	
	9	10	52	16.41	31-37.51	103-15.60	5.00*	0.48	3	140	6.4	0.00			C	KIE IPU	DYB
	12	16	13	35.25	31-37.84	103-16.16	5.00*	0.50	3	148	7.5	0.00			C	KIE IP	DYC
	12	17	41	25.88	31-38.13	103-14.93	5.00*	0.67	3	156	6.0	0.00			C	KIE IPD	DYD
	12	22	35					****								KT7 EP	
	12	20	23	46.93	31-37.59	103-16.75	5.00*	0.80	3	159	8.2	0.00			C	KIE IP	DYE
	12	7	26					****								KT7 EP	
	12	5	3	54.19	31-38.38	103-16.13	5.00*	0.75	3	146	7.8	0.00			C	KT7 IP	DYF
	13	12	0	33.32	31-37.73	103-16.52	3.84	1.06	4	155	7.9	0.08			C	KT7 IPU	DYG
	13	13	9	17.75	31-38.37	103-15.65	5.66	0.63	4	149	7.2	0.00			C	KT7 IPU	DYH
	16	6	21	39.80	31-38.01	103-23.21	5.00*	0.43	3	261	11.4	0.02			C	KT7 IPU	DYI
	16	15	46					****								KIE EP	
	16	8	13	15.04	31-37.52	103-15.44	5.00*	0.98	3	137	6.2	0.00			C	KT7 IPD	DYJ
	16	16	17	13.92	31-43.57	103-12.45	5.00*	0.35	3	277	9.5	0.01			C	KIE IP	DYK
	16	20	42	36.82	31-38.11	103-15.24	5.00*	0.60	3	151	6.4	0.00			C	KIE IP	DYL
	16	22	36	5.98	31-37.32	103-15.81	5.00*	0.53	3	144	6.7	0.00			C	KIE IP	DYM
	17	1	23	52.69	31-39.00	103-15.66	5.00*	0.77	3	161	7.8	0.01			C	KTX EP	DYN
	17	11	44	38.48	31-20.10	104-31.75	5.00*	2.18	3	3511	19.9	4.91			D	KIE IP	DYO
	18	20	14	6.59	31-37.87	103-16.43	0.20	0.48	4	153	7.9	0.25			C	KIE IP	DYP
	18	22	53					****								KT7 EP	
	18	20	21	14.97	31-33.51	103-18.79	*****	0.49	3	5 8	3.8	0.00			C	KKT 1P	DYQ
	27	17	37	40.02	31-37.03	103-15.25	5.00*	0.36	3	181	3.3	0.00			C	KTX IP	DYR
	27	19	7	26.86	31-36.97	103-15.52	5.00*	0.27	3	175	3.0	0.00			C	KTX 1P	DYS
	27	21	10	12.62	31-32.56	103-19.20	5.00*	0.36	3	304	3.2	9.23			D	KKT 1P	DYT
	27	21	12	57.03	31-36.85	103-14.77	5.00*	0.36	3	176	4.1	0.00			C	KKT 1P	DYU
	27	21	38	43.25	31-38.89	103-16.45	5.00*	0.36	3	276	3.1	0.00			C	KKT 1P	DYV
	28	0	4	46.56	31-37.30	103-15.45	5.00*	0.36	3	193	3.0	0.00			C	KKT 1P	DYW
	28	7	59	37.40	31-37.22	103-15.73	5.00*	0.36	3	187	2.5	0.00			C	KKT 1P	DYX
	28	7	1					****								KIE EP	
	28	15	16	25.06	31-37.30	103-15.45	5.00*	0.36	3	193	3.0	0.00			C	KKT 1P	DYY
	28	17	9	19.78	31-37.83	103-14.07	5.00*	0.48	3	225	4.5	0.00			C	KKT 1PD	DYZ
	28	19	52	41.49	31-37.60	103-15.65	5.00*	0.36	3	209	2.7	0.00			C	KKT 1PD	DZA
	29	17	4	23.08	31-37.08	103-14.97	5.00*	0.36	3	186	3.8	0.00			C	KKT 1PD	DZB
	30	4	47	17.22	31-37.03	103-15.25	5.00*	0.64	3	181	3.3	0.00			C	KKT 1PD	DZC
	30	17	16					****								KTX EP	
	31	5	35					****								KTX EP	
	31	19	41					****								KT8 EP	

TABLE 1 LOCATION SUMMARY

1979	HR	MN	SEC	LAT N	LONG W	DEPTH	MAG	NO	GAP	DMIN	RMS	ERH	ERZ	Q	NEAR-STA	ID CODE
SEP 30	12	32	2.26	31-36.97	103-15.52	5.00*	0.71	3	175	3.0	0.00			C	KKT IP	DZD
1	9	20	49.48	30-38.15	102-23.97	5.00*	0.80	3	3551	30.6	1.77			D	KKT IP	DZE
2	1	15					****								KT8 EP	
4	23	57					****								KIE EP	
6	15	2					****								KIE EP	
7	10	41	54.09	32-19.79	103-27.18	5.00*	0.86	4	353	79.9	0.18			C	KKT IP	DZF
10	16	50					****								KTX EP	
12	0	50					****								KIE EP	
13	7	9					****								KIE EP	
15	10	11					****								KIE EP	
11	5	33	56.16	30-36.46	102-24.76	5.00*	0.81	3	3551	32.2	****			D	KKT IP	DZG
16	16	50					****								KIE EP	
15	22	48	35.81	30-44.61	102-13.42	5.00*	1.61	3	3551	33.2	6.86			D	KIE EP	DZH
17	9	57	44.22	31-11.33	102-25.10	9.83	1.47	5	320	87.3	0.66	17.8	82.0	D	KKT IP	DZI
22	8	3					****								KTX EP	
21	1	14	23.97	31-37.28	103-14.45	5.00*	0.36	3	199	4.5	0.00			C	KKT IP	DZJ
23	10	27					****								KTX EP	
26	15	3					****								KM6 EP	

APPENDIX III

The appendix presents the entire listing of phase arrivals used in this study. Throughout the phase list, the reader will sometimes encounter a numeral (1) or two asterisks (**) following a set of phase data; these symbols were used in the processing of the data. If an event is followed by a blank line, only the P arrivals were used in calculating its hypocenter; if a numeral (1) succeeds the event, both the P and S arrivals are used; if a numeral (1) and two asterisks follow the phase data, then two solutions were calculated. The first used only the P arrivals, while the second used both P and S arrivals.

Under the column PHASE, EP signifies emergent P-onset and IP signifies impulsive P onset. The column adjacent to IP or EP indicates whether the first-motion was up (U) or down (D). One column to the right of the first-motion direction indicates the weight applied to that station's reading for the earthquake location. This format is identical to that used by Lee and Lahr (1972). Their publication can be consulted for an extensive explanation of the quantities in this table.

TABLE 2

PHASE LIST FOR EVENTS IN JANUARY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 01 10	KT1	EP	0150 09.69	11.8	97.2
76 01 10	KTT	EP 4	0150 09.52	25.8	89.8
76 01 10	ALQ	EP	0151 18.90		
76 01 10	JCT	EP 4	0150 59.40	63.7	
76 01 13	KT1	EP 4	2323 37.59		48.6
76 01 19	KT8	IPU	0403 34.83		109.9
76 01 19	KTE	IPD	0403 38.21		100.5
76 01 19	KT1	IPU	0403 36.30		159.3
76 01 19	KT7	EP	0403 36.50		158.4
76 01 19	KTT	IPU	0403 38.40		127.6
76 01 19	LJB		0404 06.00		
76 01 19	ALQ	4	0404 44.88		
76 01 19	JCT	EP 4	0404 21.30		
76 01 22	KT2	IPD	0722 01.30		24.2
76 01 22	KT8	IPD	0722 01.35		100.0
76 01 22	KT4	IPU	0722 01.56		82.0
76 01 22	KT9	IP	0722 02.40		48.0
76 01 22	KT1	IP	0722 03.00		92.5
76 01 22	KT7	IP	0722 03.20		92.5
76 01 22	KTE	IPD	0722 04.90		64.0
76 01 22	KTT	IPD	0722 04.95		48.9
76 01 22	KTX	IPU	0722 05.50		57.0
76 01 22	ALQ	EP 4	0724 03.15		
76 01 22	JCT	EP 4	0723 50.90		
76 01 25	KT2	IPD	0448 32.06		153.3
76 01 25	KT8	IPD	0448 32.10		351.9
76 01 25	KT4	IPU	0448 32.20		265.4
76 01 25	KT9	IPD	0448 33.10		171.5
76 01 25	KT1	IPD	0448 33.45		225.6
76 01 25	KT7	IPU	0448 33.58		186.4
76 01 25	KTE	IPD	0448 35.49		253.0
76 01 25	KTX	IPU	0448 36.22		233.8
76 01 25	KTT	IPD	0448 35.59		189.3
76 01 25	ALQ	EP 4	0449 34.28		
76 01 25	LJB	EP 4	0449 02.50		

TABLE 2

PHASE LIST FOR EVENTS IN FEBRUARY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 02 04	KT7	EP	1514 25.19	25.8	6.7
76 02 04	KTX	EP	1514 26.20		
76 02 04	KT4	EP	1514 27.20	27.4	
76 02 04	KT7	EP	1519 40.60	41.0	9.4
76 02 04	KTX	EP	1519 41.40		
76 02 04	KT4	EP	1519 42.38	42.5	12.0
76 02 04	KT7	EP	1532 21.95	22.5	3.3
76 02 04	KTX	EP	1532 23.02		
76 02 04	KT4	EP	1532 23.60	23.7	
76 02 04	KT7	EP	1541 07.50	09.2	7.5
76 02 04	KTX	EP	1541 08.69		
76 02 04	KT4	EP	1541 09.41	10.6	2.6
76 02 04	KT7	EP	1557 53.90	54.4	13.9
76 02 04	KTX	EP	1557 55.71		3.9
76 02 04	KT4	EP	1557 56.44	56.7	23.8
76 02 04	KT1	EP	1557 58.80		2.0
76 02 04	KT7	EP	1609 12.19	12.8	6.6
76 02 04	KTX	EP	1609 13.20		
76 02 04	KT4	EP	1609 13.91	14.0	
76 02 04	KT7	EP	1615 34.30	34.9	13.5
76 02 04	KTX	EP	1615 35.75	36.0	3.7
76 02 04	KT4	EP	1615 36.50		23.6
76 02 04	KT1	EP	1615 38.50		
76 02 19	KT7	EP	0824 04.5		25.0
76 02 19	KTX	EP	0824 05.1		
76 02 19	KT4	EP	0824 06.1		
76 02 19	KT7	EP	0845 37.8		25.0
76 02 19	KTX	EP	0845 38.2		
76 02 19	KT4	EP	0845 39.5		
76 02 19	KT7	EP	0923 42.7		20.0
76 02 19	KTX	EP	0923 43.3		
76 02 19	KT4	EP	0923 44.3		
76 02 25	KT7	EP	2223 01.5		
76 02 25	KT8	EP	2223 02.3		
76 02 25	KT4	EP	2223 02.7		
76 02 25	KTX	EP	2223 05.4		

TABLE 2

PHASE LIST FOR EVENTS IN MARCH

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 03 15	KT2	EP	0230 49.50		07.2
76 03 15	KT1	EP	0230 55.60		17.0
76 03 15	KT4	EP	0230 57.70		25.0
76 03 15	KT8	EP	0230 57.30		
76 03 15	KTT	EP	0231 00.30		
76 03 18	KT2	EP	2307 08.50		7.5
76 03 18	KT1	EP	2307 11.40		34.5
76 03 18	KTT	EP	2307 19.50		3.0
76 03 20	KT2	EP	1615 59.90		9.5
76 03 20	KT1	EP	1616 02.50		46.5
76 03 20	KT8	EP	1616 07.10		17.4
76 03 20	KT7	EP	1616 08.20		50.5
76 03 20	KTT	EP	1616 10.40		2.2
76 03 27	KT2	EP	2225 23.70		10.2
76 03 27	KT1	EP	2225 26.30		37.0
76 03 27	KT5	EP	2225 27.20		7.2
76 03 27	KT4	EP	2225 28.70		34.0
76 03 27	KT8	EP	2225 31.10		17.1
76 03 27	KT9	EP	2225 31.50		
76 03 27	KTX	EP	2225 34.40		
76 03 27	KTT	EP	2225 34.40		2.3
76 03 27	KTE	EP	2225 34.50		13.8

TABLE 2

PHASE LIST FOR EVENTS IN APRIL

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 04 12	KT2	EP	0802 37.5		30.0
76 04 12	KT1	EP	0802 40.6	43.8	40.0
76 04 12	KT4	EP	0802 42.4	47.6	48.0
76 04 12	KT7	EP	0802 45.9		
76 04 12	MOT	EP	0803 06.5	30.0	
76 04 21	KT2	EP	0840 10.0	12.6	30.0
76 04 21	KT1	EP	0840 12.8	16.4	47.0
76 04 21	KT4	EP	0840 14.8	20.3	65.0
76 04 21	KT8	EP 2	0840 17.5		
76 04 21	CLN	EP	0840 18.7	27.6	
76 04 21	MOT	EP	0840 39.1	63.1	
76 04 28	KT4	EP	1740 14.7		4.5
76 04 30	KT4	EP	1511 36.3		7.0
76 04 30	KT1	EP 4	1511 37.8		
76 04 30	KT4	EP	0729 31.8		5.0
76 04 30	KT1	EP 4	0729 33.5		3.0
76 04 30	KT4	EP	0733 38.7		4.0
76 04 30	KT1	EP 4	0733 40.8		1.5
76 04 30	KT4	EP	0846 31.0		5.0
76 04 30	KT4	IPD	0934 36.7		5.0
76 04 30	KT1	EP 4	0934 38.2		2.5
76 04 30	KT4	IPD	0953 11.7		5.5
76 04 30	KT4	IPD	1023 08.95		6.0
76 04 30	KT4	IPD	1024 21.45		7.0
76 04 30	KT4	EP	1035 06.9		4.5
76 04 30	KT4	IPD	1037 07.7	09.5	6.0
76 04 30	KT4	EP	1117 49.3		5.0
76 04 30	KT4	EP	1143		2.0
76 04 30	KT4	EP	1229		12.0
76 04 30	KT4	IPD	1240 45.75	47.9	7.0
76 04 30	KT4	IPD	1314 40.9		6.5
76 04 30	KT4	EP	1319 00.5		4.5
76 04 30	KT4	EP	1413 10.7		8.5

76 04 30	KT4	IP	1437 12.25	13.9		5.0
76 04 30	KT4	IPD	1554 26.9			5.0
76 04 30	KT4	IPD	1555 45.2			5.0
76 04 30	KT4	EP	1657 40.5			4.0
76 04 30	KT4	IPD	1657 55.8			22.5
76 04 30	KT4	IP	1658 57.43			5.
76 04 30	KT4	EP	1714			3.0
76 04 30	KT4	IP	1807 50.38	52.2		8.5
76 04 30	KT4	IPD	1914 49.0			5.0
76 04 30	KT4	IP	1928 36.76	37.5		5.0
76 04 30	KT1	EP	1928 37.50	40.0		
76 04 30	KT4	EP	1938			3.0
76 04 30	KT4	EP	1950 30.72	32.4		6.0
76 04 30	KT4	IPD	1951 14.3			30.0
76 04 30	KT1	EP	1951 15.2			
76 04 30	KT4	EP	1957 01.8			5.0
76 04 30	KT4	EP	1958			3.0
76 04 30	KT4	EP	2015 15.7			5.0
76 04 30	KT4	EP	2046 29.22			4.
76 04 30	KT4	EP	2115 56.8			17.0

TABLE 2

PHASE LIST FOR EVENTS IN MAY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 05 01	KT4	EP	0012		4.0
76 05 01	KT4	EP	0129		5.0
76 05 01	KT2	EP	1113 44.7	48.0	55.0
76 05 01	KT4	EP	1113 48.6	54.4	85.0
76 05 01	KT8	EP	1113 51.8		80.0
76 05 01	KT9	EP	1113 51.8		80.0
76 05 01	KTX	EP 2	1113 55.1		
76 05 01	KTE	EP 2	1113 55.1		
		**			
			1		
76 05 01	KT4	EP	1249 56.5		7.0
76 05 01	KT4	IPD	2050 04.9		24.0
76 05 02	KT4	IPD	0109 05.3		6.5
76 05 02	KT4	IPD	0617 20.1		6.0
76 05 02	KT1	EP 4	0617 21.		
76 05 02	KT4	EP	1857 20.0		8.0
76 05 03	KT4	EP	0345 53.1		5.0
76 05 03	KT1	EP 4	0345 53.1		
76 05 03	KT4	EP	0557 33.90	35.8	10.0
76 05 03	KT4	EP	0655		3.
76 05 03	KT4	EP	0727 29.8		5.0
76 05 03	KT4	EP	0745 55.7		5.0
76 05 03	KT4	EP	0750 42.35	44.4	7.
76 05 03	KT1	EP	0750 44.09	44.5	
76 05 03	KT4	IPD	0800 42.2		25.0
76 05 03	KT1	EP	0800 42.25	44.0	
76 05 03	MOT	EP	0801 06.9	27.0	
		**			
			1		
76 05 03	KT4	EP	0804 39.7		5.0
76 05 03	KT4	EP	0924 50.72	52.4	19.0
76 05 03	KT4	EP	0929		2.0
76 05 03	KT4	EP	0940 26.5		3.0
76 05 03	KT4	IPD	1005 10.95	12.8	21.0
76 05 03	KT1	EP	1005 11.80	12.8	

76 05 03	KT4	IPD	1008 21.6	23.4	9.0
76 05 03	KT1	EP	1008 22.75	23.6	
76 05 03	KT1	EP	1127 44.00	45.7	
76 05 03	KT4	IPD	1127 44.1		26.0
76 05 03	MOT	EP	1128 08.1	29.0	
		**			
			1		
76 05 03	KT4	IPD	1746 28.8	30.8	12.0
76 05 03	KT4	EP	1751 19.2		6.0
76 05 04	KT4	EP	0703 43.1		9.0
76 05 04	KT4	IPD	1406 16.5	18.4	17.0
76 05 04	KT4	IPD	1505 40.0		38.0
76 05 04	KT1	EP	1505 40.70	43.3	
76 05 04	CLN	EP	1505 53.1	62.9	
		**			
			1		
76 05 05	KT4	IPD	1134 04.7		5.0
76 05 05	KT4	IPD	1157 45.9		8.0
76 05 05	KT4	IPD	1241 25.9		16.0
76 05 06	KT4	EP	0406 56.7		5.0
76 05 06	KT4	EP	0507 04.6		4.5
76 05 06	KT4	IPD	0603 25.0		7.0
76 05 06	KT4	IPD	0640 46.7	48.6	6.0
76 05 06	KT4	IPD	1002 30.0		9.0
76 05 06	KT4	EP	1147 00.0		4.5
76 05 06	KT4	IPD	1148 36.6		6.5
76 05 06	KT4	IPD	1150 26.1	28.1	6.5
76 05 06	KT4	EP	1407 37.3		6.0
76 05 06	KT4	IPD	1545 20.1	22.0	6.0
76 05 06	KT4	IPD	1643 36.3	38.3	10.0
76 05 06	KT4	IPD	1718 26.00		49.0
76 05 06	KT2	EP	1718 26.82	29.2	
76 05 06	KT5	EP	1718 27.19		
76 05 06	KT8	EP	1718 29.20	37.4	49.0
76 05 06	CLN	EP	1718 35.3	48.4	
76 05 06	MOT	EP	1718 50.0	71.0	
		**			
			1		
76 05 06	KT4	EP	1728 48.10	49.5	25.0
76 05 06	KT1	EP 2	1728 49.0		
76 05 06	KT4	IPD	1729 32.5	34.5	13.0

76 05 07	KT4	IPD	0032 04.9			6.0
76 05 07	KT4	EP	0116 47.50		49.4	22.0
76 05 07	KT1	EP 2	0116 48.0			
76 05 07	KT4	EP	0245 48.4			5.0
76 05 07	KT4	IPD	0249 38.1			7.5
76 05 07	KT4	EP	0416 20.2			7.5
76 05 07	KT4	IPD	0911 51.65			10.5
76 05 07	KT4	EP	1401			6.0
76 05 07	KT4	IPD	1816 13.4			10.0
76 05 07	KT4	EP	2242 40.29		42.1	15.0
76 05 08	KT4	IPD	0155 03.7			7.5
76 05 08	KT4	IPD	0206 45.8			7.5
76 05 08	KT4	EP	0253 29.30		31.2	11.0
76 05 08	KT4	IPD	0609 52.1			9.0
76 05 08	KT4	IPD	0929 07.6			5.0
76 05 08	KT4	IPD	1102 36.7			6.5
76 05 08	KT4	IPD	1145 22.5			6.5
76 05 08	KT4	EP	1146 43.88		45.6	23.0
76 05 08	CLN	EP	1146 54.8		66.7	
76 05 08	MDT	EP	1147 08.5		29.4	
			1			
76 05 08	KT4	IPD	1746 35.5			6.0
76 05 08	KT4	IPD	2224 29.8			6.0
76 05 08	KT4	IPD	2225 34.3			7.0
76 05 09	KT4	IPD	0426 06.3			7.5
76 05 09	KT4	IPD	0457 55.3			10.0
76 05 09	KT4	IPD	0714 51.2			8.5
76 05 21	KT4	EP	1318 06.0		33.9	75.0
76 05 21	MDT	EP	1318 08.6		28.9	
76 05 27	KT4	IP	2116 07.44			17.1
76 05 27	KT7	EP	2116 10.82			
76 05 27	KT1	EP	2116 10.97			
76 05 27	KTX	EP 4	2116 15.75			
76 05 28	KT4	EP	1615 23.77			15.0
76 05 28	KT7	EP	1615 27.59			
76 05 28	KT1	EP	1615 28.00			

TABLE 2

PHASE LIST FOR EVENTS IN JUNE

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 06 01	KT4	IP	1905 28.30		
76 06 10	KT4	EP	1838 49.20	49.3	9.0
76 06 10	KT1	EP	1839 01.00	01.8	
			1		
76 06 15	KTT	EP	0220 04.89		45.0
76 06 15	KT9	EP	0220 05.78		30.0
76 06 15	KTX	EP 2	0220 11.2		
76 06 15	KT7	EP 2	0220 12.50		
76 06 15	KT4	EP	0220 13.62	26.3	35.0
76 06 15	CLN	EP	0220 23.6	45.8	
76 06 15	MOT	EP	0220 28.1	49.8	
		**			
			1		
76 06 15	KTT	IPD	0850 27.3		49.4
76 06 15	KT9	IPU	0850 28.20		27.8
76 06 15	KTX	IPD	0850 33.93		49.8
76 06 15	KT7	EP 2	0850 34.81		
76 06 15	KT2	EP	0850 35.20	45.9	42.8
76 06 15	KT4	EP	0850 35.90	47.8	58.3
76 06 15	KT1	EP 2	0850 38.10		43.0
76 06 15	MOT	EP	0850 49.4	71.3	
76 06 15	CLN	EP	0850 45.8	68.0	
			1		
76 06 18	KT7	EP	1651 20.00		8.3
76 06 18	KT4	EP	1651 21.25		26.0
76 06 18	KTX	EP	1651 24.02		25.3
76 06 18	KT1	EP 4	1651 25.35		

TABLE 2

PHASE LIST FOR EVENTS IN JULY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION

TABLE 2

PHASE LIST FOR EVENTS IN AUGUST

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 08 05	KTT	EP	1853 11.9		75.0
76 08 05	KT9	EP	1853 13.2		45.0
76 08 05	KTX	EP	1853 14.1		120.
76 08 05	KT4	EP	1853 17.5		90.0
76 08 05	LJB	EP 4	1853 23.5		
76 08 06	KTT	EP	2112 45.6		30.0
76 08 06	KT8	EP	2112 47.6		60.0
76 08 06	KT4	EP	2112 51.1		45.0
76 08 06	MOT	EP	2113 09.9		
76 08 10	KT9	EP	0903 21.1		26.0
76 08 10	KTT	EP	0903 23.0		27.0
76 08 10	KT8	EP	0903 25.1		33.0
76 08 10	KT4	EP	0903 28.4		40.0
76 08 10	KT7	EP	0903 28.4		35.0
76 08 10	MOT	EP	0903 46.5	69.4	
76 08 10	CLN	EP	0903 36.4	61.0	
76 08 10	KT9	EP	0912 34.7		12.0
76 08 10	KTT	EP	0912 36.1		39.0
76 08 10	KT4	EP	0912 41.7		35.0
76 08 10	MOT	EP	0913 00.2		
76 08 10	KT9	EP	1015 24.25		35.0
76 08 10	KTT	IP	1015 25.78		70.0
76 08 10	KT8	IP	1015 27.6		92.0
76 08 10	KT2	EP	1015 29.2		20.0
76 08 10	KT4	IP	1015 31.1		79.0
76 08 10	KTX	EP	1015 31.75		73.0
76 08 10	KT1	EP	1015 32.7		90.0
76 08 10	CLN	EP	1015 40.0	62.3	
76 08 10	MOT	EP	1015 49.0		
		**			
			1		
76 08 15	KTX	EP	0508 32.8		
76 08 15	KT4	EP	0508 35.5		
76 08 15	KTX	EP	1352 09.9		9.0
76 08 15	KT4	EP 4	1352 15.0		19.0
76 08 15	KTX	EP	1503 53.8		11.0
76 08 15	KT4	EP 4	1503 58.4		19.0
76 08 15	KTX	EP	1642 42.2		12.0
76 08 15	KT4	EP 4	1642 44.4		17.0
76 08 25	KTT	IP	0127 54.2		55.0
76 08 25	KT9	EP	0127 55.2		25.0
76 08 25	KTE	IP	0127 58.0		50.0
76 08 25	KT8	IP	0127 58.3		80.0
76 08 25	KTX	EP	0128 01.0		60.0
76 08 25	KT7	IP	0128 01.7		60.0

76	08	25	KT4	IP	0128	03.1		70.0
76	08	25	CLN	IP	0128	13.0	36.0	
76	08	25	MOT	EP	0128	17.0		
				**				
					1			
76	08	26	KT9	EP	1522	23.1		38.0
76	08	26	KTT	IP	1522	24.7		72.0
76	08	26	KT5	EP	1522	26.0		
76	08	26	KT8	IP	1522	26.6		93.0
76	08	26	KT2	EP	1522	23.3		43.0
76	08	26	KT7	IP	1522	30.0		80.0
76	08	26	KT4	IP	1522	30.0		100.0
76	08	26	KTX	EP	1522	30.6		80.0
76	08	26	KT1	IP	1522	31.1		85.0
76	08	26	CLN	IP	1522	38.1	61.3	
76	08	26	MOT	EP	1522	48.3		
				**				
					1			
76	08	27	KTX	EP	1944	37.5		12.0
76	08	27	KT7	EP 4	1944	37.4		
76	08	27	KT4	EP	1944	43.7		25.0
76	08	28	KTX	EP	1721	05.0		30.0
76	08	28	KT4	EP	1721	09.3		30.0
76	08	29	KTX	EP	1510	25.8		25.0
76	08	29	KT4	EP	1510	29.7		25.0
76	08	30	KTX	EP	1544	08.0		24.0
76	08	30	KT4	EP	1544	12.0		31.5
76	08	31	KTT	EP	1246	23.7		56.0
76	08	31	KT9	EP	1246	24.9		25.0
76	08	31	KT8	EP	1246	28.0		80.0
76	08	31	KTX	EP	1246	30.6		80.0
76	08	31	KT4	EP	1246	32.5		66.0
76	08	31	KT2	EP	1246	33.3		35.0
76	08	31	KT1	EP	1246	34.8		75.0
76	08	31	CLN	IP	1246	42.6	64.7	
76	08	31	MOT	IP	1246	46.8		
				**				
					1			

TABLE 2

PHASE LIST FOR EVENTS IN SEPTEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 09 02	KTX	EP	2006 58.3		27.0
76 09 02	KT4	EP	2006 62.3		31.5
76 09 02	KT7	EP 4	2006 58.5		
76 09 03	KTX	EP	2100 28.2		52.0
76 09 03	KT7	IP	2100 28.55		32.0
76 09 03	KT4	IP	2100 32.60	33.6	44.0
76 09 03	KT8	EP 2	2100 33.8		
76 09 04	KTX	EP	2114 04.2		31.0
76 09 04	KT4	EP	2114 08.7		31.0
76 09 05	KT2	IP	1039 51.00		11.0
76 09 05	KT1	EP 2	1039 54.1		
76 09 05	KT4	EP	1039 56.2		27.0
76 09 05	CLN	EP	1040 01.0	14.5	
76 09 05	MOT	EP	1040 20.0	45.0	
76 09 05	KTX	EP	1610 29.8		32.0
76 09 05	KT7	EP	1610 30.0		
76 09 05	KT4	EP	1610 33.7		34.0
76 09 05	KTX	EP	2053 34.5		31.0
76 09 05	KT4	EP	2053 39.1		32.0
76 09 06	KTX	EP	1752 45.4		24.0
76 09 10	KT5	IPU	1918 44.55		27.0
76 09 10	KT8	IP-	1918 47.5		35.0
76 09 10	KT4	EP	1918 47.5		42.0
76 09 10	KTX	IP	1925 36.3		35.0
76 09 10	KTE	EP 4	1925 37.4		35.0
76 09 17	KT2	IP	0247 47.97		
76 09 17	KT1	IP	0247 50.65		100.0
76 09 17	KT5	EP	0247 51.5		
76 09 17	KT4	IP	0247 52.90	58.5	57.0
76 09 17	KT8	IP	0247 55.6		55.0
76 09 17	KTT	EP	0247 58.7		60.0
76 09 17	KTX	EP	0247 59.4		75.0
76 09 17	CLN	EP	0247 56.5	65.5	
76 09 17	MOT	EP	0248 17.9		
76 09 17	ALQ	EP 4	0248 57.7		
			1		
76 09 17	KTT	IP	0356 35.04		125.0
76 09 17	KTE	IP	0356 38.70		190.0
76 09 17	KT8	IP	0356 39.80		111.0
76 09 17	KTX	IP	0356 41.57		118.0
76 09 17	KT2	EP 4	0356 44.5		55.0
76 09 17	KT4	IP	0356 44.65	56.9	85.0
76 09 17	KT1	EP 4	0356 47.3		110.0
76 09 17	MOT	EP	0356 55.9		

			1		
76 09 19	KT2	IP	1023 25.90		
76 09 19	KT1	EP	1023 28.9	32.2	50.0
76 09 19	KT4	EP	1023 30.8		30.0
76 09 19	MOT	EP	1023 53.4	73.0	
			1		
76 09 22	KTX	EP	2013 04.8		14.0
76 09 22	KT4	EP	2013 04.9		14.0
76 09 22	KTX	EP	2100 08.0		13.0
76 09 22	KT4	EP	2100 08.5		12.0

TABLE 2

PHASE LIST FOR EVENTS IN OCTOBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 10 05	KTX	IPU	2212 17.1		9.0
76 10 05	KT7	EP 4	2212 17.7		
76 10 05	KT4	EP	2212 23.3		
76 10 14	KT2	IP	1103 03.00		
76 10 14	KT1	EP 4	1103 05.9	09.6	35.0
76 10 14	CLN	EP	1103 11.0	20.6	
76 10 14	MOT	EP	1103 32.3	55.5	
			1		
76 10 22	KTT	IP	0506 21.4		80.0
76 10 22	KT9A	EP	0506 22.1		55.0
76 10 22	KT5A	EP	0506 25.4		
76 10 22	KT8	EP	0506 25.6		55.0
76 10 22	KTX	EP	0506 28.2		60.0
76 10 22	KT7	EP	0506 28.9		80.0
76 10 22	MOT	IP	0506 44.3		
76 10 25	KT9A	IP	0027 08.9		65.0
76 10 25	KTT	IP	0027 11.1		87.0
76 10 25	KT5A	IP	0027 11.45		60.0
76 10 25	KT8	EP	0027 13.0		
76 10 25	KT2	EP	0027 14.3		
76 10 25	KTEA	EP 4	0027 14.8		
76 10 25	KTX	EP	0027 17.0		
76 10 25	MOT	EP	0027 34.0		
76 10 25	KT9A	EP	1052 35.4		
76 10 25	KTT	EP	1052 37.4		30.0
76 10 25	KT5A	EP	1052 38.0		22.0
76 10 25	KT8	EP 4	1052 40.		
76 10 25	KT7	EP	1052 42.6		
76 10 25	MOT	EP	1053 01.1		
76 10 26	KTX	IPU	1044 48.4		55.0
76 10 26	KTEA	IPU	1044 50.3		60.0
76 10 26	KT7	EP	1044 52.1		70.0
76 10 26	KTT	EP	1044 52.3		55.0
76 10 26	KT8	EP	1044 53.0		
76 10 26	KT9A	EP	1044 54.6		
76 10 26	MOT	EP 2	1045 01.2		

TABLE 2

PHASE LIST FOR EVENTS IN NOVEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 11 04	KT7	EP	2327 55.2		
76 11 04	KTX	EP	2327 57.2		17.0
76 11 04	KT8	EP	2327 57.2		
76 11 04	KT4	EP	2327 59.45		20.0
76 11 05	KT8	EP	2255 33.0		15.0
76 11 05	KTX	EP	2255 33.5		15.0
76 11 05	KT4	EP	2255 35.8		20.0
76 11 06	KT7	EP	2230 24.6		
76 11 06	KT8	EP	2230 26.7		
76 11 06	KTX	EP	2230 27.1		15.0
76 11 06	KT4	EP	2230 29.0		18.0
76 11 26	KT2	IPD	0309 56.00		18.5
76 11 26	KT1	EP	0309 59.1		31.0

TABLE 2

PHASE LIST FOR EVENTS IN DECEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
76 12 12	KTT	IPD	2300 19.68		80.0
76 12 12	KT9A	IPD	2300 20.90		78.0
76 12 12	KTEA	EP 2	2300 23.9		80.0
76 12 12	KT5A	EP	2300 24.0		95.0
76 12 12	KT6A	EP	2300 24.3		85.0
76 12 12	KTX	EP	2300 26.5	36.1	82.0
76 12 12	KT7	EP	2300 27.1		95.0
76 12 12	KT1	EP	2300 30.4		90.0
76 12 12	MOT	EP	2300 42.1	63.0	
			1		
76 12 12	KTT	EP	2326 01.4		30.0
76 12 12	KT9A	EP	2326 02.5		30.0
76 12 12	KT5A	EP	2326 05.5		
76 12 12	KT6A	EP	2326 06.0		
76 12 12	KT7	EP	2326 08.8		40.0
76 12 12	KT4	EP	2326 10.4		
76 12 12	MOT	EP	2326 24.8	47.4	
76 12 13	KT4	EP	2305 41.8		14.0
76 12 13	KT7	EP	2305 41.8		15.0
76 12 13	KT1	EP 2	2305 44.2		
76 12 13	KTX	EP 2	2305 45.3		
76 12 14	KT4	EP	1954 42.7		14.0
76 12 14	KT7	EP	1954 43.1		15.0
76 12 14	KT4	EP	2328 21.8		14.0
76 12 14	KT7	EP	2328 22,2		15.0
76 12 15	KT6A	EP	0851 51.5		20.0
76 12 15	KT7	EP	0851 54.2		
76 12 15	MOT	EP	0851 70.8		
76 12 15	KT7	EP	1728 35.8		20.0
76 12 15	KT7	EP	1801 45.6		17.0
76 12 15	KT7	EP	1728 35.8		20.0
76 12 15	KT4	EP	1728 37.0		19.5
76 12 15	KT7	EP	1801 45.6		17.5
76 12 15	KT4	EP	1801 47.0		19.0
76 12 15	KT7	EP	1820 20.0		20.0
76 12 15	KT7	EP	1904 58.2		20.0
76 12 15	KT4	EP 4	1904 59.1		
76 12 15	KT7	EP	1920 45.5		20.0
76 12 15	KT4	EP 4	1920 46.5		
76 12 15	KT7	EP	2309 15.5		20.0

76 12 15	KT7	EP	2311 56.7			26.0
76 12 15	KT4	EP 4	2311 58.3			
76 12 16	KTX	EP	1837 07.6			11.0
76 12 16	KTEA	EP	1837 08.1			
76 12 16	KT7	EP	1837 12.1			19.5
76 12 18	KTEA	IPU	1827 47.69			42.0
76 12 18	KT8	IPD	1827 48.05			72.0
76 12 18	KTT	EP	1827 48.65			22.0
76 12 18	KT9A	EP	1827 49.6			25.0
76 12 18	KT5A	EP	1827 50.4			20.0
76 12 18	KT7	EP	1827 51.7			48.0
76 12 19	KT7	IPU	0135 04.1			4.0
76 12 19	KTX	EP	0135 04.6			4.5
76 12 19	KT9A	EP	2126 20.0			30.0
76 12 19	KT6A	IPD	2126 21.8			50.0
76 12 19	KTT	EP	2126 22.5			
76 12 19	KT7	EP	2126 27.7			70.0
76 12 19	MOT	EP	2126 45.8		70.1	
76 12 19	KT2A	EP	2353 25.4			7.5
76 12 19	KT1	EP	2353 28.0			9.0
76 12 19	KT2A	IPD	2354 24.85			15.0
76 12 19	KT1	IPU	2354 27.46			33.0
76 12 19	KT6A	IPU	2354 28.70		32.8	35.0
76 12 19	KT4	EP 2	2354 29.			50.
76 12 19	KT5A	EP	2354 30.0			25.0
76 12 19	KT7	EP 4	2354 33.1			50.0
76 12 19	KTEA	EP 4	2354 34.9			
76 12 19	KTT	EP 4	2354 35.5			
76 12 19	MOT	EP	2354 54.3		77.5	
76 12 19	KT2A	EP	2355 03.1			8.0
76 12 19	KT2A	EP	2355 15.9			7.5
76 12 19	KT2A	IPD	2356 49.96			42.0
76 12 19	KT1	IP-	2356 52.45			108.0
76 12 19	KT6A	IPD	2356 53.59		58.7	67.0
76 12 19	KT4	EP	2356 54.9			110.0
76 12 19	KT5A	EP 2	2356 55.0			45.0
76 12 19	KT9A	EP 4	2356 57.1			38.0
76 12 19	KT8	EP 4	2356 57.5			
76 12 19	KT7	EP 4	2356 58.2		66.0	
76 12 19	KTEA	EP 4	2356 60.0			
76 12 19	KTT	EP 4	2356 60.0			
76 12 19	MOT	EP	2357 19.0		43.5	
76 12 22	KT7	IPU	0717 06.9			5.0
76 12 22	KTX	EP	0717 07.3			4.0
76 12 23	KT7	IPU	1859			5.
76 12 23	KT7	IPU	2244			4.
76 12 24	KT7	IPU	0138			4.

76 12 24	KT7	IPU	0526		5.
76 12 24	KT7	IPU	0734	54.98	15.0
76 12 24	KTX	IP-	0734	55.35	15.0
76 12 24	KT4	EP	0734	59.8	11.0
76 12 24	KT7	IPU	1031		4.
76 12 24	KT7	IPU	1924		3.
76 12 24	KT7	IPU	1940		4.
76 12 25	KT4	IPD	0123	49.4	8.0
76 12 25	KT4	EP	0133	09.7	7.5
76 12 25	KT4	EP	0141	13.4	7.5
76 12 25	KT4	EP	0141	29.8	7.5
76 12 25	KT4	IPD	0149	03.5	8.0
76 12 25	KT4	EP	0213	00.5	8.0
76 12 25	KT4	EP	0216	57.5	9.5
76 12 25	KT4	IPD	0230	34.7	10.5
76 12 25	KT4	IPD	0238	57.0	12.0
76 12 25	KT4	IPD	0300	05.3	11.0
76 12 25	KT4	IPD	0307	52.5	10.0
76 12 25	KT4	EP	0336	17.0	13.0
76 12 25	KT4	IPD	0338	15.55	12.0
76 12 25	KT4	EP	0350	13.7	16.0
76 12 25	KT7	EP	0350	17.4	
76 12 25	KT4	IPD	0417	38.8	13.0
76 12 25	KT4	EP	0425	02.8	15.0
76 12 25	KT4	EP	0434	23.4	11.0
76 12 25	KT4	EP	0454		8.0
76 12 25	KT7	IPU	0459		4.5
76 12 25	KT4	EP	0500	30.2	7.0
76 12 25	KT4	EP	0508	51.2	7.0
76 12 25	KT4	EP	0516	22.6	6.5
76 12 25	KT7	IPU	0558		4.
76 12 25	KT7	IPU	0758		3.5

76	12	25	KT7	IPU	1235	4.
76	12	25	KT7	IPU	1258 36.80	10.5
76	12	25	KTX	EP	1258 37.25	9.0
76	12	25	KTEA	EP 2	1258 37.6	
76	12	25	KT4		1258 41.5	10.0
76	12	25	KT7	IPU	1333	4.5
76	12	25	KT7	IPU	1700	
76	12	25	KT7	IPU	1748	5.
76	12	25	KT7	IPU	2002	4.
76	12	25	KT7	IPU	2226	3.5
76	12	26	KT7	IPU	0355	4.
76	12	26	KT7	IPU	0359	4.5
76	12	26	KT7	IPU	0726	4.
76	12	26	KT7	IPU	0941	4.
76	12	26	KT7	IPU	0958	3.
76	12	26	KT7	IPU	1215 06.40	10.0
76	12	26	KTX	EP	1215 06.9	
76	12	26	KTEA	EP 2	1215 07.3	
76	12	26	KT4	EP	1215 11.2	
76	12	26	KT7	IPU	1709	5.
76	12	26	KT7	IPU	2216	6.
76	12	27	KT7	IPU	0130	4.
76	12	27	KT7	IPU	0423	4.
76	12	28	KT7	IPU	0513	5.
76	12	28	KT7	IPU	0714	4.
76	12	28	KT7	IPU	1112	3.
76	12	28	KT7	IPU	1838	4.5
76	12	29	KT7	IPU	1001	4.
76	12	29	KT7	IPU	1318	4.

TABLE 2

PHASE LIST FOR EVENTS IN JANUARY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 01 04	KTX	IPU	2258 02.40		20.0
77 01 04	KT7	IPU	2258 03.80		18.0
77 01 05	KTX	IPU	2233 53.40		9.0
77 01 05	KT7	EP	2233 54.5		12.0
77 01 06	KTX	IPU	2327 53.90		14.0
77 01 06	KT7	IPU	2327 55.71		14.0
77 01 08	KTT	IPU	2020 29.20		20.0
77 01 08	KTEA	EP	2020 29.6		30.0
77 01 08	KT7	EP	2020 34.7		
77 01 12	KT7	EP	1506 28.3		4.
77 01 12	KT4	EP	1506 31.9		
77 01 13	KTX	IPU	1753 54.40		6.5
77 01 13	KT7	IPU	1753 55.85		10.0
77 01 14	KT7	IPU	1034		4.
77 01 14	KT7	IPU	1115		0.5
77 01 14	KTX	IPD	1118 23.15		10.0
77 01 14	KT7	IPD	1118 23.45		8.0
77 01 14	KTX	IPD	1333 35.27		10.0
77 01 14	KT7	IPU	1333 35.53		9.0
77 01 14	KT4	EP	1333 40.0		
77 01 16	KT7	IPU	2231		6.5
77 01 18	KTX	IPU	0440 01.30		3.5
77 01 18	KT7	IPU	0440 01.55	03.4	3.5
77 01 18	KT4	IPU	0440 06.5		
77 01 18	KTEA	EP 2	0440 02.2		
77 01 20	KTX	IPD	2301 03.30		24.0
77 01 20	KT7	IPU	2301 03.59		16.0
77 01 20	KTEA	EP	2301 04.0		
77 01 20	KT4	EP 4	2301 07.5		
77 01 22	KT7	IPU	0907		3.

TABLE 2

PHASE LIST FOR EVENTS IN FEBRUARY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 02 02	KT7	IPU	0326 41.65	43.7	6.0
77 02 02	KTX	IPU	0326 41.39		6.5
77 02 02	KT7	EP	0532 36.6		3.0
77 02 03	KT7	IPD	0127 52.79		6.0
77 02 03	KTX	IP	0127 52.9		5.0
77 02 03	KT7	IPU	2225 10.5		10.0
77 02 03	KTX	EP	2225 13.8		
77 02 03	KT7	IPD	2338 53.49		6.5
77 02 04	KT7	EP	0358 06.5		4.5
77 02 04	KT7	IPU	0721 39.5		6.0
77 02 04	KTX	IPU	0721 39.46		5.5
77 02 04	KT7	EP	0740 30.3		5.0
77 02 05	KT7	EP	0719 22.4		5.0
77 02 05	KT7	EP	0734 51.4		5.0
77 02 05	KTX	EP	0734 51.25		4.5
77 02 05	KT7	EP	1817 16.7		5.0
77 02 05	KT7	IPU	2104 46.65	48.6	5.0
77 02 05	KTX	IPD	2104 46.41		5.0
77 02 09	KT7	EP	0312 39.3		5.0
77 02 09	KTX	IPD	0312 39.30		5.0
77 02 10	KT2A	IPU	0122 52.47		16.0
77 02 10	KT1	EP	0122 54.9	58.7	35.0
77 02 10	KT6A	EP	0122 56.2		
77 02 10	KT4	EP	0122 57.3	63.1	30.0
77 02 10	KT7	EP 2	0122 60.5	68.8	
77 02 10	CLN	EP	0123 02.0	11.1	
		**			
			1		
77 02 18	KT2A	IPU	1410 39.10	42.2	10.0
77 02 18	KT6A	EP	1410 42.7		
77 02 18	KT4	EP 2	1410 43.5	49.2	
77 02 18	KT7	EP 2	1410 47.3		
77 02 18	CLN	EP	1410 47.7	57.1	
77 02 11	KT7	EP	1149 39.4		4.0
77 02 11	KTX	EP	1149 39.5		4.5
77 02 17	KT7	IPD	1025 24.05		4.5
77 02 17	KTX	IPD	1025 24.35		5.5

77 02 21	KT7	IPU	0201	59.40	4.5
77 02 21	KTX	IPU	0201	59.40	4.0
77 02 22	KT7	EP	1303	10.5	4.0
77 02 22	KTX	EP	1303	10.7	4.0

TABLE 2

PHASE LIST FOR EVENTS IN MARCH

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 03 01	KTX	IPD	1150 50.85		30.0
77 03 01	KTT	EP	1150 54.3		20.0
77 03 01	KT7	EP	1150 54.3		20.0
77 03 01	KT4	EP	1150 59.9		
77 03 03	KTX	IPU	1506 37.25		4.1
77 03 03	KT7	IPU	1506 37.30		4.3
77 03 05	KTT	IPD	2256 15.9		34.0
77 03 05	KT9A	IPD	2256 19.5		30.0
77 03 05	KTX	EP	2256 21.5		30.0
77 03 05	KT8	EP	2256 21.6		28.0
77 03 05	KT5A	EP	2256 21.95		22.0
77 03 05	KT7	EP	2256 23.2		30.0
77 03 05	KT4	EP	2256 25.7		35.0
77 03 05	KT2A	EP	2256 26.2		
77 03 05	KT1	EP	2256 28.0		40.0
77 03 06	KTX	IPU	2310 15.65		4.5
77 03 06	KT7	IPD	2310 15.8		5.0
77 03 08	KT7	IPD	0918 11.25		4.5
77 03 08	KTX	IPU	0918 11.30		4.5
77 03 09	KT7	IPU	0353 09.24		4.5
77 03 09	KTX	IPU	0353 09.3		4.0
77 03 10	KT7	IPU	0722 43.65		4.5
77 03 10	KTX	EP	0722 43.7		4.0
77 03 11	KT7	EP	2356 15.4		13.5
77 03 11	KTX	EP	2356 16.2		13.5
77 03 11	KT4	EP 4	2356 19.6		
77 03 12	KT7	EP	0005 25.4		22.0
77 03 12	KTX	EP	0005 26.1		22.0
77 03 12	KT4	EP	0005 30.2		24.0
77 03 12	KT7	EP	0015 54.4		13.0
77 03 12	KTX	EP	0015 55.0		13.0
77 03 12	KT4	EP 4	0015 58.9		
77 03 14	KT7	EP	1120 24.6		4.5
77 03 14	KTX	EP	1120 24.6		4.0
77 03 14	KT7	EP	1539 12.0		4.0
77 03 17	KT2A	IPU	1514 14.45		8.0
77 03 17	KT4	EP 2	1514 19.4	24.7	
77 03 17	KT7	EP 2	1514 22.7		
77 03 17	MOT	EP	1514 44.0	67.0	
77 03 20	KTX	IPU	1 0301 55.8		3.5

77 03 20	KT7	EP	0301 60.1			4.0
77 03 20	KTX	IPU	0326 32.8			5.0
77 03 20	KT7	EP	0326 32.9			5.5
77 03 20	KTX	EP	0529 28.4			4.0
77 03 20	KT7	EP	0529 28.5			4.5
77 03 21	KTX	IPU	0617 09.15			12.0
77 03 21	KT7	IPU	0617 09.25			14.0
77 03 20	KT2A	IPU	0754 10.65			26.0
77 03 20	KT1	EP	0754 13.1			38.0
77 03 20	KT4	EP	0754 15.0		21.0	32.0
77 03 20	KT5A	EP	0754 15.8			
77 03 20	KT7	EP	0754 18.85			27.0
77 03 20	KT9	EP	0754 18.0			
77 03 20	CLN	EP	0754 19.3		29.7	
77 03 20	MOT	EP	0754 40.0		62.1	
77 03 22	KTX	EP	0159 01.8			6.0
77 03 22	KT7	EP	0159 01.9			4.5
77 03 22	KT7	EP	1405 28.3			5.0
77 03 23	KT9A	EP	1102 57.5			
77 03 23	KTT	EP	1102 59.6			21.0
77 03 23	KT5A	EP	1102 60.2			
77 03 23	KT8	EP	1102 61.6			
77 03 23	KT4	EP	1102 65.0			
77 03 23	KT7	EP	1102 65.0			
77 03 23	KT2A	EP 4	1102 70.0			
77 03 24	KTX	IPU	1031 38.45			8.0
77 03 24	KT7	IPU	1031 38.60			5.5
77 03 24	KTEA	EP 2	1031 39.2			
77 03 24	KT4	EP	1031 42.2			
77 03 24	KT9A	EP	2113 12.9			19.0
77 03 24	KTT	EP	2113 13.4			15.0
77 03 24	KT8	EP	2113 13.4			26.5
77 03 24	KT5A	EP	2113 14.3			20.0
77 03 28	KTX	IPD	0510 15.55			3.5
77 03 29	KTX	IPD	0035 37.10			24.0
77 03 29	KT7	IPU	0035 37.20		39.3	9.0
77 03 29	KTEA	EP	0035 37.95			26.0
77 03 29	KT4	EP	0035 40.9			16.0
77 03 29	KT8	EP 2	0035 38.7			

TABLE 2

PHASE LIST FOR EVENTS IN APRIL

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 04 02	KTT	EP	1928 32.2		3.0
77 04 03	KTEA	IP	1237 05.9		23.0
77 04 03	KTX	IP	1237 06.50		11.5
77 04 03	KT7	EP	1237 09.8		
77 04 03	KTEA	EP	1240 03.7		
77 04 03	KTX	IPD	1240 04.2		21.0
77 04 03	KT7	EP	1240 07.4		
77 04 03	KTEA	EP	1348 10.85		50.0
77 04 03	KTX	IPU	1348 11.45		31.0
77 04 03	KTT	EP	1348 14.6		
77 04 03	KT8	EP	1348 14.6		
77 04 03	KT7	EP	1348 14.7		
77 04 03	KTEA	EP	1424 08.8		50.0
77 04 03	KTX	IPU	1424 09.45		36.0
77 04 03	KT8	EP	1424 12.3		
77 04 03	KTT	EP	1424 12.7		
77 04 03	KT7	EP	1424 12.7		
77 04 03	KT4	EP	1424 16.3		
77 04 03	KT7	EP	1505 07.6		4.0
77 04 03	KTX	IPU	1505 08.02		4.5
77 04 04	KTEA	EP	0044 07.0		45.0
77 04 04	KTX	IPU	0044 07.6		35.0
77 04 04	KTT	EP	0044 10.75		
77 04 04	KT7	EP	0044 10.89		
77 04 04	KT8	EP	0044 11.3		
77 04 04	KTEA	EP	0057 06.2		15.0
77 04 04	KTX	EP	0057 06.9		6.0
77 04 04	KTEA	EP	0133 09.1		24.0
77 04 04	KTX	IPU	0133 09.7		12.0
77 04 04	KT7	EP	0133 12.7		
77 04 04	KTEA	EP	0147 52.7		38.0
77 04 04	KTX	IPU	0147 53.1		22.0
77 04 04	KTT	EP	0147 55.8		
77 04 04	KT8	EP	0147 56.3		
77 04 04	KT7	EP	0147 56.4		
77 04 04	KTEA	EP	0435 58.5		38.0
77 04 04	KTX	IPU	0435 59.1		23.0
77 04 04	KT8	EP	0435 61.8		
77 04 04	KTT	EP	0435 62.2		
77 04 04	KT7	EP	0435 62.4		
77 04 04	KT4	EP 2	0435 66.3		
77 04 04	KTEA	IPU	0447 31.7		45.0

77 04 04	KTX	IPU	0447 32.3			22.0
77 04 04	KT8	EP	0447 35.0			18.5
77 04 04	KTT	EP	0447 35.45			12.0
77 04 04	KT7	EP	0447 35.55			12.0
77 04 04	KTEA	EP	0501 36.8			38.0
77 04 04	KTX	IPU	0501 37.3			17.0
77 04 04	KT7	EP	0501 40.6			
77 04 04	KTX	EP	2140 18.0			18.0
77 04 04	KT7	EP	2140 18.7			18.0
77 04 04	KT4	EP	2140 22.9			
77 04 04	KTX	EP	2255 55.6			20.0
77 04 04	KT7	EP	2255 56.4			20.0
77 04 04	KT4	EP	2255 60.7			
77 04 05	KTX	EP	1923 04.8			18.0
77 04 05	KT7	EP	1923 05.65			15.0
77 04 05	KT4	EP	1923 09.9			
77 04 05	KTX	EP	2338 22.0			9.0
77 04 05	KT7	EP	2338 22.2			7.0
77 04 05	KT4	EP 4	2338 27.0			
77 04 06	KTX	EP	2322 32.6			21.0
77 04 06	KT7	EP	2322 33.3			15.0
77 04 06	KT4	EP	2322 37.5			
77 04 07	KT2A	IPU	0545 42.45			57.0
77 04 07	KT4	EP	0545 47.2			83.0
77 04 07	KT5A	EP	0545 47.5			63.0
77 04 07	KT8	EP	0545 49.7			77.0
77 04 07	KT7	EP	0545 50.6		58.2	55.0
77 04 07	KTT	EP	0545 53.05			52.0
77 04 07	KTEA	EP	0545 52.4			56.0
77 04 07	KTX	EP	1856 57.35			19.0
77 04 07	KT7	EP	1856 57.85			17.0
77 04 07	KT4	EP	1856 62.2			
77 04 07	KTX	EP	2232 31.2			23.0
77 04 07	KT7	EP	2232 31.5			18.0
77 04 07	KT4	EP	2232 35.7			
77 04 08	KTX	EP	1706 33.1			7.0
77 04 08	KT4	EP	2345 07.1			5.5
77 04 09	KTX	IPD	0944 41.7			6.0
77 04 09	KT7	IPU	0944 41.8			5.0
77 04 09	KTEA	EP 2	0944 42.5			
77 04 09	KT4	EP 2	0944 45.5			
77 04 09	KTX	IPU	1104 16.40			5.5
77 04 09	KT7	IPU	1104 16.45			4.5
77 04 09	KTEA	EP 2	1104 17.2			
77 04 09	KT4	EP 2	1104 20.4			
77 04 09	KT4	IPU	2217 22.7			6.6

77 04 09	KT4	IPU	2226 29.4			6.0
77 04 09	KT4	IPU	2233 18.6			6.5
77 04 10	KT7	EP	1048 46.1			16.0
77 04 10	KT4	EP	1048 48.7			15.0
77 04 10	KT7	EP	1118 06.0			18.0
77 04 10	KT4	EP	1118 08.7			18.5
77 04 12	KTT	EP	2318 33.6			29.0
77 04 12	KTEA	EP	2318 37.0			25.0
77 04 12	KT9A	EP	2318 37.0			28.0
77 04 12	KTX	EP	2318 39.1			36.0
77 04 12	KT8	EP	2318 39.2			24.0
77 04 12	KT5A	EP	2318 39.6			26.0
77 04 12	KT7	EP	2318 40.9			
77 04 12	KT4	EP	2318 43.4			26.0
77 04 12	KT2A	EP	2318 43.9			
77 04 12	KT7	EP	2239 18.6			4.0
77 04 14	KT2A	IPU	0604 38.5			6.0
77 04 14	KT1	EP	0604 40.95		44.8	9.0
77 04 14	KT4	EP 2	0604 43.1			
			1			
77 04 17	KTT	EP	2147 18.2			12.0
77 04 17	KT9A	EP	2147 19.4			
77 04 17	KT7	EP	2147 25.7			
77 04 17	KT4	EP	2147 27.2			
77 04 15	KTX	IPD	1819 07.85			4.0
77 04 15	KT7	EP	1819 08.0			
77 04 16	KTX	IPD	0121 13.45			5.5
77 04 16	KT7	IPU	0121 13.45			4.0
77 04 16	KT4	EP 2	0121 17.8			
77 04 16	KTX	IP	0644 24.25			15.5
77 04 16	KT7	IPU	0644 24.25		25.9	8.0
77 04 16	KTEA	IPD	0644 24.84			
77 04 16	KT4	EP	0644 27.95		34.2	
77 04 16	KT8	EP 4	0644 26.9			
77 04 16	KTX	IPU	1438 41.45		43.5	5.0
77 04 16	KT7	IPU	1438 41.45		43.7	4.5
77 04 16	KTEA	EP	1438 42.0			
77 04 16	KT4	EP	1438 46.6		51.9	
			1			
77 04 17	KT7	IPU	2052 40.2			4.5
77 04 17	KTX	IP	2052 40.65			6.5
77 04 17	KT4	EP	2052 44.0			
77 04 18	KTX	IPD	1523 45.95			5.0
77 04 18	KT7	IPU	1523 46.05			4.5
77 04 18	KT4	EP 4	1523 51.			
77 04 18	KTX	IPU	1808 26.29			44.0
77 04 18	KT7	IPU	1808 26.42		28.4	23.0
77 04 18	KTEA	IPD	1808 26.91			
77 04 18	KT8	EP	1808 28.0			

77 04 18	KT5A	EP	1808 30.0			
77 04 18	KT4	IPD	1808 30.3			26.0
77 04 18	KTT	EP	1808 30.3			
77 04 18	KT7	EP	2151 35.9			4.0
77 04 18	KTX	EP	2151 36.2			4.5
77 04 19	KTT	EP	2255 11.1			18.0
77 04 19	KT9A	EP	2255 12.4			
77 04 19	KT5A	EP	2255 15.4			
77 04 19	KT8	EP 2	2255 15.4			
77 04 19	KT4	EP	2255 20.1			
77 04 19	KT1	EP	2255 21.8			
77 04 20	KTX	IPD	1300 00.8			7.5
77 04 20	KT7	IPU	1300 00.9			5.0
77 04 20	KT4	EP 2	1300 05.1			
77 04 20	KTX	IPD	1654 21.95		23.7	3.5
77 04 20	KT7	EP	1654 22.0			3.0
			1			
77 04 21	KT7	EP	1629			3.0
77 04 22	KT2A	IPU	2256 38.50			7.0
77 04 22	KT4	EP	2256 42.9		49.0	
			1			
77 04 23	KTT	IPD	1858 51.0			5.5
77 04 23	KT7	IPU	1858 51.1		53.0	5.5
77 04 23	KT4	EP	1858 55.5			
			1			
77 04 25	KT2A	EP	1012 55.9			10.0
77 04 25	KT9A	EP	1012 57.6			13.0
77 04 25	KT5A	EP	1012 57.6		62.3	
77 04 25	KT4	EP	1012 60.2			
77 04 25	KTT	EP	1012 61.2			
			1			
77 04 25	KTX	EP	1854 04.6			4.0
77 04 25	KTT	EP	2023 36.5			7.0
77 04 25	KT7	IPU	2023 36.6			6.0
77 04 25	KT4	EP 4	2023 40.			
77 04 26	KT5A	IPU	0903 09.30			80.0
77 04 26	KT8	IPU	0903 11.33			88.0
77 04 26	KT2A	IPU	0903 11.40			68.0
77 04 26	KT4	IPD	0903 11.4			105.0
77 04 26	KT9A	IPD	0903 12.27			
77 04 26	KT7	IPU	0903 12.88			110.0
77 04 26	KTEA	IPU	0903 13.80			
77 04 26	KTT	IPU	0903 14.80			
77 04 26	KT5A	IPU	0905 52.25		53.6	9.5
77 04 26	KT2A	EP	0905 54.8			
77 04 26	KT4	EP	0905 54.6			8.0
77 04 26	KT8	EP	0905 54.4			
			1			
77 04 26	KT9A	EP	1830 28.8			9.0
77 04 26	KT5A	EP 4	1830 29.4			
77 04 28	KT9A	EP	1254 42.7			
77 04 28	KTT	EP	1254 45.2			29.0

77 04 28	KT5A	EP	1254 45.9			
77 04 28	KT8	EP	1254 47.4			22.0
77 04 28	KT7	EP	1254 50.6			27.0
77 04 28	KT4	EP	1254 50.7			
77 04 28	KT2A	EP 2	1254 48.0			
77 04 28	KT9A	EP	1255 45.0			28.0
77 04 28	KTT	EP	1255 47.2			28.0
77 04 28	KT5A	EP	1255 47.7			
77 04 28	KT8	EP	1255 49.0			
77 04 28	KT2A	EP	1255 50.3			28.0
77 04 28	KT7	EP	1255 52.5			
77 04 28	KT4	EP	1255 52.6			
77 04 28	KTT	EP	1257 26.9			17.0
77 04 28	KT5A	EP	1257 27.5			17.0
77 04 28	KT2A	EP	1257 30.1			
77 04 28	KT7	EP	1257 32.2		41.2	
77 04 28	KT4	EP	1257 32.2		41.2	
			1			
77 04 28	KT9A	IPD	1522 41.85			
77 04 28	KTT	IPU	1522 44.25			36.0
77 04 28	KT5A	EPU	1522 44.55			29.0
77 04 28	KT8	EP	1522 46.0			50.0
77 04 28	KT2A	EP 2	1522 47.3			
77 04 28	KT7	EP	1522 49.55			40.0
77 04 28	KT4	EP	1522 49.5		58.5	
			1			
77 04 29	KT9A	EP	0309 45.5			
77 04 29	KTT	EP	0309 47.6			17.0
77 04 29	KT5A	EP	0309 48.1			
77 04 29	KT8	EP	0309 49.4			
77 04 29	KT7	EP	0309 52.8			
77 04 29	KT4	EP	0309 53.0			

TABLE 2

PHASE LIST FOR EVENTS IN MAY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 05 01	KTEA	IPU	2134 01.6		24.0
77 05 01	KT8	EP	2134 04.0		
77 05 01	KT7	EP	2134 04.5		20.0
77 05 02	KT9A	EP	1708 40.7		28.0
77 05 02	KTT	EP 2	1708 42.3		28.0
77 05 07	KT7	IPU	1733 01.27	03.3	6.0
77 05 07	KTX	IPD	1733 01.30		6.0
77 05 07	KT4	EP 2	1733 05.1		
			1		
77 05 19	KTX	EP	0425 32.7		8.0
77 05 19	KT7	IPU	0425 32.77		8.5
77 05 19	KTEA	EP	0425 33.4		
77 05 19	KT4	EP 2	0425 37.5		
77 05 31	KT7	IPU	0813 41.4		9.0
77 05 31	KTEA	EP	0813 42.2		

TABLE 2

PHASE LIST FOR EVENTS IN JUNE

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 06 09	KT7	IPU	0525 00.3		5.0
77 06 09	KT7	EP	0910		3.0
77 06 09	KT7	EP	0942		4.0
77 06 09	KT7	IPU	1137 37.75		12.0
77 06 09	KTEA	IPD	1137 38.1		
77 06 09	KT8	IPD	1137 38.9		
77 06 09	KT7	EP	1218 08		5.0
77 06 09	KT7	EP	1244 45		4.5
77 06 14	KT5A	EP	1805		15.0
77 06 17	KT5A	IPU	2153 55.25		38.0
77 06 24	KT2A	IPD	0319 31.2		2.0
77 06 24	KT2A	IPD	2111 42.35		13.0
77 06 27	KT7	EP	1558 52.5		4.5
77 06 29	KTX	EP	2359 46.25		65.0
77 06 29	KT7	EP	2359 50.3		60.0
77 06 29	KTEA	EP	2359 50.4		
77 06 29	KT8	EP 2	2359 52.4		
77 06 29	KT4	EP 2	2359 54.3		

TABLE 2

PHASE LIST FOR EVENTS IN JULY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 07 01	KTX	EP	0106 18.7		50.0
77 07 01	KT7	EP	0106 22.7		37.0
77 07 01	KTEA	EP	0106 23.0		
77 07 06	KT7	IPJ	0527 59.30		4.5
77 07 06	KTX	IPU	0527 59.4		5.0
77 07 06	KT7	EP	2057 42.		3.5
77 07 11	KT9A	IPD	1231 58.28		65.0
77 07 11	KT6A	EP	1231 60.3		60.0
77 07 11	KT5A	EP	1231 60.9		50.0
77 07 11	KT8	EP	1231 62.2		
77 07 11	KTEA	EP	1231 63.5		
77 07 11	KT2A	EP	1231 64.3		
77 07 11	KT4	EP	1231 65.8	73.6	
77 07 11	KT1	EP	1231 67.2	75.8	
			1		
77 07 11	KT9A	IPD	1329 52.42		28.0
77 07 11	KT6A	EP	1329 54.4		35.0
77 07 11	KT5A	EP	1329 55.2		
77 07 11	KT8	EP 2	1329 56.5		
77 07 11	KT4	EP	1329 60.0	67.6	
77 07 11	KTX	EP	1329 60.5		
77 07 11	KT1	EP	1329 61.4	70.0	
			1		
77 07 12	KT9A	IPD	1706 08.95		30.0
77 07 12	KT6A	IPU	1706 11.00		48.0
77 07 12	KT5A	EP	1706 11.6		
77 07 12	KT8	EP	1706 12.9		
77 07 12	KT2A	EP	1706 14.6		
77 07 12	KT4	EP	1706 16.7	24.2	43.0
77 07 12	KTX	EP	1706 16.9		
77 07 12	KT1	EP	1706 17.8		
			1		
77 07 18	KT9A	IPD	1237 33.00		60.0
77 07 18	KT6A	IPU	1237 35.35		75.0
77 07 18	KT5A	EP	1237 35.8		
77 07 18	KT8	EP	1237 37.2		
77 07 18	KTEA	EP	1237 38.6		
77 07 18	KT4	EP	1237 41.0	48.5	70.0
77 07 18	KTX	EP	1237 41.3		
			1		
77 07 22	KT9A	IPD	0401 12.65		120.0
77 07 22	KT6A	IPU	0401 14.68		105.0
77 07 22	KT5A	IPD	0401 15.30		95.0
77 07 22	KT8	EPD	0401 16.5		
77 07 22	KTEA	IPD	0401 17.89		113.0
77 07 22	KT2A	EP	0401 18.1		
77 07 22	KT4	EP	0401 20.2		120.0
77 07 22	KTX	IPD	0401 20.6		110.0
77 07 22	KT9A	EP	0418 13.0		45.0

77 07 22	KT6A	EP	0418	15.1		45.0
77 07 22	KT5A	EP	0418	15.6		
77 07 22	KT3	EP	0418	17.1		
77 07 22	KT4	EP	0418	20.7	28.2	
77 07 22	KTX	EP	0418	21.1		
			1			
77 07 22	KT9A	IPD	0436	53.25		20.0
77 07 22	KT6A	EPD	0436	55.4		15.0
77 07 22	KT5A	EPD	0436	56.1		
77 07 22	KT8	EP 2	0436	57.5		
77 07 22	KT4	EP	0436	61.0	68.5	
			1			
77 07 23	KT5A	IPD	2246	13.05		5.0
77 07 23	KT8	EPD	2246	13.1		
77 07 24	KT9A	IPD	0923	02.95		40.0
77 07 24	KT6A	IPU	0923	05.00		50.0
77 07 24	KT5A	EP	0923	05.8		
77 07 24	KT8	EP	0923	07.1		
77 07 24	KTEA	EP	0923	08.3		
77 07 24	KT2A	EP	0923	08.6		
77 07 24	KT7	EP	0923	10.5		
77 07 24	KT4	EP	0923	10.7	18.1	
77 07 24	KTX	EP	0923	11.0		
			1			
77 07 24	KT9A	IPD	1649	41.2		7.5
77 07 24	KT6A	EP	1649	43.4		
77 07 24	KTX	IPU	2103	01.05		10.0
77 07 24	KT7	IPU	2103	02.70		11.0
77 07 25	KTX	IPU	1452	05.65		6.5
77 07 25	KT7	EPU	1452	07.7		11.0
77 07 25	KTX	IPU	1745	49.50		10.5
77 07 25	KT7	EP	1745	51.1		12.0
77 07 25	KTEA	EP	1745	51.4		
77 07 25	KT7	IPU	1944	35.1		5.0
77 07 25	KTX	IPU	1944	35.2		5.0
77 07 26	KT9A	IPD	0201	11.20		14.0
77 07 26	KT6A	EP	0201	13.4		13.0
77 07 26	KT5A	EP	0201	14.0	18.2	
77 07 26	KT7	EP	0201	18.8		
77 07 26	KT4	EP	0201	19.1	26.5	
77 07 26	KT1	EP	0201	20.3	28.8	
			1			
77 07 26	KT7	EP	0338	25.8		4.5
77 07 26	KTX	EP	0338	25.8		3.5
77 07 26	KT9A	IPD	1322	05.05		12.0
77 07 26	KT6A	EP	1322	07.2		8.0
77 07 26	KT7	EP	1322	12.5	20.1	
			1			
77 07 27	KTX	IPU	1628	19.6		7.5
77 07 27	KT7	EP	1628	20.5		10.0
77 07 27	KTX	IPU	1658	41.8		11.0
77 07 27	KT7	EP	1658	42.2	45.1	12.0
			1			

TABLE 2

PHASE LIST FOR EVENTS IN AUGUST

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 08 01	KT9A	EP	0326 18.0	21.7	20.0
77 08 01	KTX	EP	2229 12.45		4.0
77 08 01	KT7	EP	2229 12.6	14.8	5.0
			1		
77 08 02	KT1	EP	2118 44.1		14.0
77 08 03	KT4	EP	0212 22.5	49.0	
77 08 06	KTX	EP	1109 56.6	61.3	28.0
77 08 08	KTEA	IPD	0739 42.05		4.0
77 08 08	KT7	EP	0739 42.2	44.5	4.5
			1		
77 08 08	KT7	EP	0807 48.3	50.5	4.0
77 08 10	KT7	EP	0632 07.6	9.8	5.0
77 08 10	KT7	EP	1254 15.8	17.9	4.7
77 08 10	KTX	EP	1254 16.2		
			1		
77 08 11	KT7	IPD	0027 29.25	31.1	4.5
77 08 11	KTX	EP	0027 29.6	31.8	4.0
			1		
77 08 11	KT7	EP	0415 50.2		4.5
77 08 11	KTX	EP	0415 50.5		4.5
77 08 11	KT7	EP	0836 19.4		3.0
77 08 11	KT7	IPD	0909 05.56	7.4	5.0
77 08 11	KTX	EP	0909 06.0	8.2	6.0
			1		
77 08 12	KTX	IPD	0749 14.4	18.7	25.0
77 08 12	KT7	EP	0749 16.7		
77 08 12	KTEA	EP	0749 18.8		
77 08 12	KT4	EP	0749 22.9		
			1		
77 08 12	KT7	EP	0933 17.7		3.5
77 08 12	KT7	IPD	1752 59.3	61.1	5.0
77 08 12	KTX	IPU	1752 59.55		6.0
			1		
77 08 12	KT7	EP	2312 15.4		4.0
77 08 20	KTX	IP	0229 22.9		38.0
77 08 20	KTEA	IPU	0229 26.9		36.0
77 08 20	KT4	EP	0229 28.7		
77 08 20	KT1	EP	0229 31.9		
77 08 20	KTX	EP	0342 25.0		14.5
77 08 21	KTX	IPD	0301 42.75		
77 08 21	KT4	IPD	0301 47.05	71.3	

77 08 22	KTX	IPD	1230 03.65			
77 08 22	KT4	IPD	1230 06.0	18.9		
77 08 22	KTX	IPD	1657 17.82			7.5
77 08 22	KTX	IPU	1754 48.05			9.0
77 08 25	KT7	IPU	0556 21.70			14.0
77 08 25	KTX	IPD	0556 22.05			7.0
77 08 25	KT4	EP	0556 25.5			
77 08 26	KTX	IPU	1625 38.55			8.0
77 08 26	KTX	EP	1935 09.2			7.0
77 08 26	KTX	EP	2046 03.4			5.0
77 08 27	KTX	EP	1559 29.6			6.0
77 08 28	KTX	IPU	2124 52.50			7.5

TABLE 2

PHASE LIST FOR EVENTS IN SEPTEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
77 09 03	KT9A	EP	0902 35.1	38.7	11.0
77 09 03	KT9A	EP	2238 14.7		
77 09 05	KT9A	EP	0024 00.7		15.0
77 09 07	KT4	EP	1656 03.5	15.	
77 09 27	KT6A	EP	0950 45.8	48.8	7.5
77 09 27	KT2A	EP	0950 47.0		
77 09 27	KTX	EP	1 1844 44.7		10.5
77 09 28	KT6A	EP	0203 58.1		7.5
77 09 28	KT2A	EP	0203 59.4		
77 09 28	KT4	EP	0203 61.5		

TABLE 2

PHASE LIST FOR EVENTS IN OCTOBER

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

77 10 24	KTX	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	KTX	EP	0102 44.8	54.8		
77 10 25	KT4	EP	0102 47.2	53.6		
			1			
77 10 26	KTX	IPU	2235 59.6			6.5
77 10 27	KTX	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	KTX	EP	1205 33.7			20.0
77 10 27	KTX	EP	1229 11.4			19.0
77 10 27	KTX	EP	1241 17.8			35.0
77 10 27	KTX	IPU	1629 58.1			7.0
77 10 27	KTX	IPD	1736 36.5			40.0
77 10 27	KT4	EP	1736 38.4			
77 10 27	KTX	EP	1809 42.4			21.0
77 10 27	KT4	EP	1809 44.5			
77 10 27	KTX	EP	1822 35.25			7.5
77 10 27	KTX	IPU	2147 39.7			7.0
77 10 27	KTX	IPU	2150 03.2			50.0
77 10 27	KT4	IPD	2150 05.3			
77 10 27	KTX	IPU	2203 26.77			7.0
77 10 28	KTX	IPU	1451 36.15			7.0
77 10 29	KT6A	EP	0218 49.5	57.7		30.0
77 10 29	KTX	EP	1735 27.8			5.0
77 10 29	KTX	EP	1822 47.9			5.0
77 10 30	KTX	IPU	0119 35.74			5.5
77 10 31	KT6A	EP	2311 54.55	62.8		23.0
77 10 31	KTX	EP	2311 57.5			
77 10 31	KT4	EP	2311 59.45	71.6		
			1			

TABLE 2

PHASE LIST FOR EVENTS IN NOVEMBER

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 13	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

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

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 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

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			

77 12 16	KT7	IPJ	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	IPJ	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			

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
			1			
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
			1			
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
			1			
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
			1			
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		4[illegible]	4.0
77 12 23	KTX	EP	1449 41.0			4.0
			1			
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
			1			
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
			1			
77 12 24	KT7	EP	2351 25.1		26.7	4.5
77 12 24	KTX	EP	2351 25.6			4.0
			1			
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
			1			
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	
			1			
77 12 25	KT7	EP	1151 39.25		40.8	3.0
77 12 25	KTX	EP	1151 39.6			

			1			
77 12 25	KT7	EP	1215	03.85	05.5	4.0
77 12 25	KTX	EP	1215	04.25		
			1			
77 12 25	KT7	EP	1417	58.4	60.0	4.0
77 12 25	KTX	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
			1			
77 12 25	KIE	IPD	2326	24.05		4.5
77 12 25	KTX	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	KTX	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	KTX	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	KTX	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	KTX	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	KTX	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	KTX	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	KTX	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		
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 25	KTX	EP	2136 02.35			4.5
77 12 30	KTX	EP	0012 46.4			3.5
77 12 30	KT7	EP	0018 42.9			3.0

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

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			

TABLE 2

PHASE LIST FOR EVENTS IN JANUARY

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

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		

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

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

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

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

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

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			

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	495
			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			3.5

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	KTX	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	KTX	EP	0836	19.00	20.9	5.5
78	01	31	KT7	IPD	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	KTX	EP	1957	10.9	12.6	4.5
78	01	31	KT7	EP	1957	10.9	12.7	4.5
					1			

TABLE 2

PHASE LIST FOR EVENTS IN FEBRUARY

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

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	KM9	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

				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
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
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			
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

			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
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		
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
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

			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
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		
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
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

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			

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			

TABLE 2

PHASE LIST FOR EVENTS IN MARCH

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	KTX	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	KTX	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	KTX	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	KTX	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	KTX	EP	1048 60.2		
78 03 19	KT7	IPD	1048 62.35		22.0
78 03 19	KT4	EP	1048 63.8		

TABLE 2

PHASE LIST FOR EVENTS IN APRIL

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

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	

TABLE 2

PHASE LIST FOR EVENTS IN MAY

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 2

PHASE LIST FOR EVENTS IN JUNE

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 06 04	KM3	IPU	2001 55.45	56.9	5.0
78 06 04	KM5	EP	1824 45.95		
78 06 05	KM5	IPD	1459 30.1		
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 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

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

			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 23	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

TABLE 2

PHASE LIST FOR EVENTS IN JULY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 07 01	KKT	IP	0126 51.3		4.9
78 07 01	KM3	IPD	0126 51.95	53.5	4.7
78 07 01	KIE	IPD	0126 52.05		4.5
78 07 01	KT7	IP	0126 52.5	54.2	5.0
78 07 01	KTX	IPD	0126 53.4		3.9
			1		
78 07 01	KT1	IPD	0900 19.45		
78 07 01	KM2	IPU	0900 17.75		
78 07 01	KM3	IPD	0900 16.9		
78 07 01	KT4	IPD	0900 18.9		
78 07 01	KM5	IPU	0900 15.9		
78 07 01	KM6	IPD	0900 15.65		
78 07 01	KT7	IPU	0900 17.4		
78 07 01	KT9	IPU	0900 14.75		
78 07 01	KTX	IPU	0900 16.25		
78 07 01	KIE	IPU	0900 16.5		
78 07 01	KKT	IPU	0900 16.1		
78 07 02	KM3	IPU	0256 17.75		
78 07 02	KT4	IPD	0256 19.2		
78 07 02	KM5	IPD	0256 17.35		
78 07 02	KM6	IPD	0256 16.9		
78 07 02	KT7	IPU	0256 18.65		
78 07 02	KTX	IPU	0256 17.5		
78 07 02	KIE	IPD	0256 17.6		
78 07 02	KKT	IPU	0256 18.00		
78 07 02	KT1	IPU	0414 02.1		
78 07 02	KKT	IP	1214 29.8		4.7
78 07 02	KM3	IPD	1214 30.3	31.9	3.8
78 07 02	KT7	IP	1214 30.6		4.2
			1		
78 07 02	KM6	IPU	1344 06.00		
78 07 02	KKT	IP	2007 25.65		4.9
78 07 02	KIE	IPU	2007 25.85		4.7
78 07 02	KT7	IPD	2007 26.9	29.0	4.4
			1		
78 07 03	KT1	IPU	0423 36.9		
78 07 03	KM2	IPD	0423 34.6		
78 07 03	KM3	IPD	0423 33.2		
78 07 03	KT4	IPU	0423 35.9		
78 07 03	KM5	IPU	0423 34.1		
78 07 03	KM6	IPD	0423 33.35		
78 07 03	KT7	IPD	0423 33.9		
78 07 03	KM9	IPU	0423 32.6		
78 07 03	KTX	IPD	0423 32.1		
78 07 03	KIE	IPU	0423 33.1		
78 07 03	KKT	IPD	0423 33.4		
78 07 03	KIE	IP	0814 24.7		6.2
78 07 03	KKT	IPU	0814 24.5		5.4

78 07 03	KM3	IPU	0814 25.1	26.5	6.3
78 07 03	KT7	IPU	0814 25.65	27.9	6.8
78 07 03	KTX	IPU	0814 25.5		4.1
			1		
78 07 03	KM2	IPU	2113 54.7		
78 07 04	KKT	IPD	2242 05.1		2.5
78 07 05	KM9	EP	0245 11.05	15.1	20.0
78 07 05	KM6	EP	0245 12.4		
78 07 05	KM5	EP	0245 14.2		
78 07 05	KM3	EP	0245 17.3		
78 07 05	MOT	EP	0245 36.8	58.9	
			1		
78 07 05	KM9	EP	1040 38.6		
78 07 05	KT7	EP	1040 45.5		
78 07 05	KKT	IPD	1051 20.9	21.6	3.5
78 07 05	KM3	EP	1051 21.5	22.5	4.0
			1		
78 07 05	KKT	IPD	1807 12.95		2.5
78 07 05	KTX	EP	2018 28.2		
78 07 05	KKT	IPD	2203 20.1		5.0
78 07 05	KIE	IPD	2203 20.55	21.9	5.0
78 07 05	KM3	IPD	2203 20.65	22.0	5.0
78 07 05	KTX	EP	2203 21.4		4.5
			1		
78 07 05	KKT	IPD	2321 40.0	40.7	3.0
78 07 05	KM3	EP	2321 40.45		3.0
			1		
78 07 06	KKT	IP	0103 32.4		7.8
78 07 06	KIE	IPU	0103 32.85		7.7
78 07 06	KM3	IPU	0103 32.95		7.1
78 07 06	KTX	IPD	0103 33.7		6.2
			1		
78 07 06	KKT	EP	0509 13.55		
78 07 06	KIE	EP	0509 13.1		
78 07 06	KTX	EP	0509 12.65		
78 07 06	KM9	EP	0509 12.1		
78 07 06	KM6	EP	0509 13.4		
78 07 06	KM5	EP	0509 13.35		
78 07 06	KT4	EP	0509 13.85		
78 07 06	KM3	EP	0509 13.2		
78 07 06	KM2	EP	0509 15.8		
78 07 06	KT1	EP	0509 17.1		
78 07 06	KKT	IPD	0605 32.6		3.0
78 07 07	KKT	IPD	0231 48.0	48.7	5.0
78 07 07	KM3	IPD	0231 48.55	50.0	4.0
78 07 07	KIE	EP	0231 48.6		3.0
			1		
78 07 07	KKT	IPD	1743 24.60		5.3
78 07 07	KIE	IP	1743 25.10		4.5
78 07 07	KM3	IP	1743 25.20	26.7	5.0
78 07 07	KTX	IPD	1743 25.90		4.9
			1		
78 07 09	KKT	IP	1045 39.1	39.6	5.4
78 07 09	KIE	IPD	1045 39.65		3.5

78 07 09	KM3	IPD	1045 39.75			6.3
78 07 09	KTX	IPD	1045 40.45			4.6
			1			
78 07 09	KKT	IP	1258 11.8		12.7	5.9
78 07 09	KM3	IPD	1258 12.55		14.0	5.3
78 07 09	KIE	IPU	1258 12.4			3.2
			1			
78 07 10	KKT	IPD	0629 18.0		18.6	4.6
78 07 10	KIE	IPD	0629 18.7			3.6
78 07 10	KTX	IPD	0629 19.9			3.3
78 07 10	KM3	IPU	0629 18.8		20.2	3.7
			1			
78 07 11	KT1	IPD	1225 07.7			
78 07 11	KT4	IPD	1225 06.9			
78 07 11	KM6	IPD	1225 04.85			
78 07 11	KT8	IPD	1225 05.25			
78 07 11	KTX	IPD	1225 05.0			
78 07 11	KIE	IPD	1225 04.90			
78 07 11	KKT	IPD	1225 05.35			
78 07 11	KM5	IPD	1225 05.1			
78 07 11	KM2	IPD	1225 06.6			
78 07 11	KM9	IPD	1225 03.85			
78 07 11	KT4	IPD	1702 54.90			
78 07 13	KTX	IPU	1721 34.5			
78 07 15	KT7	EP	1757 26.75			
78 07 15	KKT	IPD	2340 07.1		08.0	5.0
78 07 15	KIE	EP	2340 07.45			5.0
78 07 15	KM3	IPD	2340 07.55		09.0	5.0
78 07 15	KT7	IP	2340 08.1		09.7	5.0
			1			
78 07 16	KKT	IPD	0130 06.3			2.5
78 07 16	KM9	EP	1707 31.0			
78 07 17	KT7	EP	0021 50.0			
78 07 17	KM9	EP	0517 15.3			
78 07 17	KM6	EP	0924 41.0			
78 07 17	KM9	EP	1320 27.4			
78 07 17	KT7	EP	1338 12.15			
78 07 17	KM3	EP	2250 36.45			
78 07 17	KM5	EP	2250 36.3			
78 07 17	KM6	EP	2250 36.6			
78 07 17	KT7	EP	2250 38.3			
78 07 17	KTX	EP	2250 37.1			
78 07 17	KKT	EP	2250 36.95			
78 07 17	MOT	EP	2250 43.0		11.0	
78 07 18	KM9	EP	0308 07.0			
78 07 18	KM3	EP	1208 01.5			
78 07 18	KT4	EP	1208 04.6			
78 07 18	KM6	EP	1208 08.85			

78 07 18	KT7	EP	1208 01.75		
78 07 18	KM9	EP	1208 05.3		
78 07 18	KTX	EP	1207 58.55		
78 07 18	KIE	EP	1208 00.5		
78 07 18	KKT	EP	1208 00.65		
78 07 18	CLN	EP	1208 09.9	37.8	
78 07 18	MDT	IP	1207 40.2	45.7	
			1		
78 07 13	KM9	EP	1433 11.7		
78 07 19	KT4	EP	0939 53.6		
78 07 20	KKT	IPD	0007 10.9		5.5
78 07 20	KM3	IPU	0007 11.7	13.2	5.5
78 07 20	KT7	IP	0007 12.0	13.4	5.5
			1		
78 07 20	KKT	IPD	0008 10.75		5.0
78 07 20	KKT	IPD	0010 56.45		10.0
78 07 20	KM3	IPU	0010 57.38		10.0
78 07 20	KT7	IPU	0010 57.6		10.0
78 07 20	KIE	IPD	0010 57.23		8.0
78 07 20	KKT	IPD	0051 29.1		2.0
78 07 20	KKT	IPD	0055 46.85		5.0
78 07 20	KT7	IPD	0055 48.00	49.0	5.0
78 07 20	KM3	EPD	0055 47.8		5.0
			1		
78 07 20	KKT	IPD	0125 56.6		4.0
78 07 20	KKT	IPD	0340 55.25		3.0
78 07 20	KKT	IPD	0344 34.35		8.0
78 07 20	KM3	IPD	0344 34.95		8.0
78 07 20	KT7	IPD	0344 35.35		8.0
78 07 20	KIE	IPU	0344 35.05		8.0
78 07 20	KKT	IPD	0440 06.05		5.0
78 07 20	KM3	EPD	0440 06.65		5.0
78 07 20	KT7	EPD	0440 06.95		5.0
78 07 20	KKT	IPD	0444 51.9		2.0
78 07 20	KM9	EP	0939 57.5		
78 07 20	KKT	IPD	1025 32.0		2.0
78 07 20	KKT	IPD	1213 49.85		4.0
78 07 20	KM3	EP	1213 50.75	52.3	4.0
78 07 20	KT7	IPU	1213 50.95	52.5	4.0
78 07 20	KT7	IPU	1825 21.1		
78 07 21	KT7	EM	0503 32.7		
78 07 21	KM3	IPD	1910 49.3		
78 07 21	KT4	IPD	2035 49.7		
78 07 21	KM2	IPD	2036 00.0		
78 07 21	KKT	IP	2035 55.9		

78 07 21	KM9	IP	2035	53.35		
78 07 21	KIE	IPD	2035	54.65		
78 07 21	KM6	IPD	2035	55.45		
78 07 23	KKT	IP	0923	18.25	18.8	7.0
78 07 23	KIE	EP	0923	19.0		7.0
78 07 23	KT7	IPD	0923	19.35	20.9	7.0
78 07 23	KM3	IPD	0923	19.20	20.8	6.0
			1			
78 07 23	KM2	IPD	1501	12.9		
78 07 23	KM3	IPD	1512	08.2		
78 07 23	KKT	IP	1902	46.9		
78 07 23	KT7	IP	1902	47.75	49.4	7.0
78 07 23	KM3	IP	1902	47.6	49.1	7.0
			1			
78 07 23	KKT	IP	2320	09.2	10.0	7.0
78 07 23	KM3	IPU	2320	07.2	08.5	
78 07 23	KKT	EP	2320	19.85		
78 07 24	KKT	IP	0504	09.5		6.0
78 07 24	KIE	IP	0504	10.0	11.4	6.0
78 07 24	KT7	IP	0504	10.7		6.0
78 07 24	KM3	IP	0504	10.25	11.9	5.5
			1			
78 07 24	KM9	IPU	0809	21.4		
78 07 25	KKT	IPD	1453	57.3		4.0
78 07 25	KM3	EP	1453	57.9		4.0
78 07 25	KT7	IPU	1453	58.45		4.0
78 07 25	KM9	EP	1539	57.4		
78 07 25	KM2	EP	2336	22.4		
78 07 26	KM9	EP	1951	00.1		
78 07 26	KIE	EP	1951	00.6		
78 07 26	KKT	EP	1951	02.2		
78 07 26	KM5	EP	1951	02.1		
78 07 26	KT7	EP	1951	03.2		
78 07 27	KKT	EP	0455	44.6		3.0
78 07 27	KT7	EP	0455	45.8	47.1	4.5
			1			
78 07 27	KKT	IPD	1147	23.7		3.0
78 07 28	KM6	IPD	1801	24.35		
78 07 28	KM3	IPD	1801	24.6		
78 07 28	KM5	IPD	1801	25.1		
78 07 28	KT7	IPD	1801	27.2		
78 07 28	KM5	IPD	2015	02.4		
78 07 28	KM3	IPD	2015	02.65		
78 07 28	KT7	IPD	2015	04.25		
78 07 28	KM9	IPU	2127	29.8		
78 07 28	KM6	IPU	2127	31.8		
78 07 28	KM3	IPU	2127	34.8		

78	07	29	KM3	IPU	1242 45.8	
78	07	29	KM3	IPU	1302 19.8	
78	07	29	KM9	IPD	1442 08.9	
78	07	29	KM9	IPD	2054 26.8	
78	07	29	KKT	IPD	2054 29.15	
78	07	29	KIE	IPD	2054 27.9	
78	07	29	KT8	IPD	2054 28.7	
78	07	29	KM6	IPD	2054 30.8	
78	07	29	KM5	IPD	2054 29.1	
78	07	29	KM3	IPD	2054 28.8	
78	07	29	KM2	IPD	2054 33.5	
78	07	29	KT4	IPD	2054 33.0	
78	07	30	KM9	IPU	1431 34.6	
78	07	31	KKT	IPD	1722 38.2	3.0
78	07	31	KM3	IPD	1722 38.0	3.0
78	07	31	KM9	IPD	2023 33.25	

TABLE 2

PHASE LIST FOR EVENTS IN AUGUST

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 08 01	KKT	IP	0754 12.3		4.0
78 08 01	KT7	IP	0754 13.4		3.5
78 08 01	KM3	IP	0754 12.8		2.5
78 08 01	KKT	IPD	0802 44.0		4.0
78 08 01	KT7	IPU	0802 45.2		5.0
78 08 01	KM3	IPD	0802 44.8	46.3	4.5
			1		
78 08 01	KM9	IPD	2006 55.6		
78 08 02	KKT	IPD	0715 30.7	31.5	4.0
78 08 02	KIE	IPD	0715 31.1		4.0
78 08 02	KT7	IP	0715 31.8	33.6	4.0
78 08 02	KM3	IPD	0715 31.3	32.7	4.0
			1		
78 08 02	KKT	IP	2136 50.5		3.5
78 08 02	KIE	IP	2136 50.95		3.0
78 08 02	KT7	IP	2136 51.6	53.6	5.0
			1		
78 08 03	KT7	IPU	0006 11.6		
78 08 03	KM2	IPD	0130 11.2		
78 08 03	KT7	EP	1535 22.3		
78 08 03	KM9	EP	1821 57.15		
78 08 03	KKT	IPD	2245 00.6		
78 08 04	KKT	IPD	0759 24.95		3.5
78 08 04	KM3	EP	0759 25.5		3.5
78 08 04	KT7	IPU	0759 26.1		3.5
78 08 04	KM9	EP	1231 23.5		
78 08 04	KKT	IPD	2241 58.8		4.0
78 08 04	KM3	EP	2241 59.6		4.0
78 08 04	KT7	IPU	2241 59.95		4.0
78 08 04	KKT	IPD	2342 18.2		3.0
78 08 05	KKT	IPD	0556 54.65		3.0
78 08 05	KKT	IPD	0854 55.05		5.0
78 08 05	KM3	EP	0854 55.65	57.0	5.0
78 08 05	KT7	EP	0854 56.3		5.0
			1		
78 08 05	KKT	IPD	1120 03.9		6.0
78 08 05	KIE	IPD	1120 04.2		6.0
78 08 05	KTX	IPU	1120 04.9		6.0
78 08 05	KT7	IPU	1120 05.15	7.2	6.0
78 08 05	KM3	IPU	1120 04.5	6.1	6.0
			1		

78 08 05	KM2	IPD	1911 48.5			
78 08 05	KKT	IPD	2246 03.45			3.0
78 08 05	KM3	EP	2246 04.4			3.0
78 08 05	KT7	IPU	2246 04.6			4.0
78 08 06	KKT	IP	0433 28.6		29.4	4.9
78 08 06	KT7	IP	0433 29.8		31.8	4.4
78 08 06	KM3	IPD	0433 29.2		30.8	4.1
			1			
78 08 06	KKT	IP	0623 33.95		35.1	4.0
78 08 06	KM3	IPD	0623 34.4		35.7	3.0
78 08 06	KT7	IPU	0623 35.00		36.8	5.0
			1			
78 08 06	KKT	IPD	0718 46.3		47.4	4.0
78 08 06	KT7	IPU	0718 47.4		48.7	4.0
78 08 06	KM3	IPD	0718 47.05		48.5	3.0
			1			
78 08 06	KM9	IPD	1750 02.9			
78 08 06	KKT	IP	2152 22.9		23.9	4.0
78 08 06	KT7	IPU	2152 24.0		26.0	4.0
78 08 06	KM3	IP	2152 23.5		25.1	4.0
			1			
78 08 07	KKT	IPU	1017 49.6		50.7	5.0
78 08 07	KT7	IPD	1017 50.9		53.0	5.0
78 08 07	KM3	IPU	1017 50.25		51.9	5.0
78 08 07	KIE	IPD	1017 49.85			
78 08 07	KTX	IPD	1017 50.7		52.2	5.0
			1			
78 08 07	KKT	IPU	1216 27.75			5.0
78 08 07	KIE	IPD	1216 27.95		29.3	5.0
78 08 07	KM3	IPU	1216 28.35		30.0	5.0
78 08 07	KT7	IPD	1216 29.05		31.0	5.0
78 08 07	KTX	IPD	1216 28.8		30.7	5.0
			1			
78 08 07	KKT	EP	1949 39.15		40.0	4.0
78 08 07	KIE	IPD	1949 39.5			4.0
78 08 07	KM3	EP	1949 39.8			4.0
78 08 07	KT7	IPU	1949 40.35			4.0
78 08 07	KTX	EP	1949 40.4			4.0
			1			
78 08 08	KKT	IPD	1538 33.6			5.0
78 08 08	KIE	IPD	1538 34.2			5.0
78 08 08	KT7	IPU	1538 34.8			5.0
78 08 09	KT7	IPU	0100 33.9			
78 08 09	KKT	IP	0228 48.35			4.2
78 08 09	KTX	IPU	0228 49.5			3.2
78 08 09	KM3	IPU	0228 48.95		50.4	4.0
78 08 09	KIE	IP	0228 48.7		49.9	4.0
78 08 09	KT7	IP	0228 49.5		51.5	5.5
			1			
78 08 09	KM2	IPU	1811 55.70			
78 08 09	KKT	IP	2104 13.00			3.6
78 08 09	KT7	IP	2104 14.0			4.8
78 08 09	KM3	IP	2104 13.65		15.2	3.7
			1			
78 08 10	KKT	IP	0310 57.2			3.8

78 08 10	KT7	EP	0310 58.2			5.0
78 08 10	KM3	IPU	0310 57.9		59.5	5.0
			1			
78 08 10	KM9	IPD	0418 26.50			
78 08 10	KKT	IP	0643 45.4		46.5	3.2
78 08 10	KT7	IPU	0643 46.4		48.0	4.2
78 08 10	KM3	IPD	0643 46.1		47.5	3.5
			1			
78 08 10	KM2	IPU	0811 35.65			
78 08 10	KKT	IP	1008 15.8			3.1
78 08 10	KT7	IP	1008 16.8		13.4	4.6
78 08 10	KM3	IPD	1008 16.55		18.1	4.2
			1			
78 08 10	KKT	IP	1342 06.65			3.7
78 08 10	KT7	IP	1342 07.8		09.8	3.6
78 08 10	KM3	IP	1342 07.25		08.8	4.0
			1			
78 08 10	KM9	IPD	2019 46.5			
78 08 21	KM9	EP	0039 42.0			40.0
78 08 21	KKT	EP	0039 42.8			
78 08 21	KIE	EP	0039 42.7			
78 08 21	KTX	EP	0039 42.4			
78 08 21	KT8	EP	0039 42.9			
78 08 21	KT7	EP	0039 43.35			
78 08 21	KM6	EP	0039 43.0			
78 08 21	KM5	EP	0039 42.9			
78 08 21	KM3	EP	0039 42.8			
78 08 21	KT4	EP	0039 44.5			
78 08 21	KM2	EP	0039 44.4			
78 08 11	KKT	IPD	0908 28.85			9.5
78 08 11	KIE	IPD	0908 29.5			7.0
78 08 11	KM3	IP	0908 29.65			7.0
78 08 11	KT7	IP	0908 29.85			8.0
78 08 11	KTX	IPU	0908 30.3			8.0
78 08 11	KKT	IPD	1047 19.75			4.5
78 08 11	KT7	EP	1047 20.9			5.0
78 08 11	KM3	IPU	1047 20.6		22.3	5.0
78 08 11	KTX	EP	1047 21.05			4.0
			1			
78 08 11	KKT	IPD	1650 19.9			6.0
78 08 11	KIE	IPD	1650 20.1			7.0
78 08 11	KM3	IPU	1650 20.5			7.0
78 08 11	KT7	IPU	1650 21.15			7.0
78 08 11	KTX	IPD	1650 21.0			5.0
78 08 11	KKT	IP	1755 59.4			5.0
78 08 11	KIE	EP	1756 00.0			5.0
78 08 11	KTX	EP	1756 00.8			4.0
78 08 11	KT7	IP	1756 00.4			5.5
78 08 11	KKT	IPD	1841 17.15			7.0
78 08 11	KIE	IPD	1841 17.85			7.0
78 08 11	KM3	IPD	1841 17.9			7.0
78 08 11	KT7	IPU	1841 18.1			7.0
78 08 11	KTX	IPU	1841 18.55			6.0

78 08 11	KKT	IPD	1844 16.7			7.5
78 08 11	KIE	IPD	1844 17.25			7.5
78 08 11	KM3	IPD	1844 17.3			7.5
78 08 11	KT7	IPD	1844 17.7			7.5
78 08 11	KTX	IPU	1844 18.0			6.0
78 08 11	KKT	IPD	1858 43.1			5.0
78 08 11	KIE	EP	1858 43.75			5.0
78 08 11	KM3	IPD	1858 43.75			5.0
78 08 11	KT7	IPD	1858 44.1			5.0
78 08 11	KTX	EP	1858 44.45			4.0
78 08 11	KKT	IP	1916 27.05			9.0
78 08 11	KIE	IPD	1916 27.8			9.0
78 08 11	KM3	IPD	1916 27.7			9.0
78 08 11	KT7	IP	1916 28.1			9.0
78 08 11	KTX	IPD	1916 28.55			7.0
78 08 11	KKT	IPD	2127 35.6			3.5
78 08 11	KM3	EP	2127 36.3			3.5
78 08 11	KT7	EP	2127 36.6			3.5
78 08 11	KKT	IPD	2329 51.0			4.0
78 08 11	KM3	IPU	2329 51.75			4.0
78 08 11	KT7	IPD	2329 51.9			4.0
78 08 12	KKT	IPD	0004 54.8			6.0
78 08 12	KM3	IPU	0004 55.5	57.1		6.0
78 08 12	KT7	IP	0004 55.8			6.0
78 08 12	KTX	EP	0004 56.25	58.2		5.0
78 08 12	KIE	EP	0004 55.5			5.0
			1			
78 08 12	KKT	IPD	0013 37.1			3.0
78 08 12	KM3	EP	0013 37.8	39.3		3.0
			1			
78 08 12	KKT	IPD	0022 28.0			3.0
78 08 12	KKT	IPD	0029 34.95			4.0
78 08 12	KM3	EP	0029 35.7	37.1		4.0
78 08 12	KT7	EP	0029 36.0	37.5		4.0
			1			
78 08 12	KKT	IPD	0109 34.0			7.0
78 08 12	KIE	IPU	0109 34.7			7.0
78 08 12	KM3	IPD	0109 34.75	36.1		7.0
78 08 12	KT7	IPD	0109 35.05			7.0
78 08 12	KTX	EP	0109 35.45			6.0
			1			
78 08 12	KKT	IPD	0120 49.9			4.0
78 08 12	KM3	EP	0120 50.6	52.2		4.0
78 08 12	KT7	IPU	0120 50.9			4.0
			1			
78 08 12	KKT	IPD	0145 20.25			3.0
78 08 12	KM3	EP	0145 21.0	22.5		3.0
			1			
78 08 12	KKT	IPD	0159 09.6			3.0
78 08 12	KKT	IPD	0222 56.45			3.5
78 08 12	KM3	EP	0222 57.1	58.6		3.5
78 08 12	KT7	EP	0222 57.4			3.5
			1			
78 08 12	KKT	IPD	0241 37.05			3.0

78 08 12	KKT	IPD	0304 47.9	48.7	3.5
78 08 12	KM3	EP	0304 48.6	50.1	3.5
78 08 12	KT7	EP	0304 48.9		3.5
			1		
78 08 12	KKT	IPD	0308 00.8	01.7	3.5
78 08 12	KM3	EP	0308 01.55	03.1	3.5
78 08 12	KT7	EP	0308 01.85		3.5
			1		
78 08 12	KKT	IPD	0422 26.35		3.0
78 08 12	KKT	IPD	0501 58.35		3.5
78 08 12	KM3	EP	0501 59.05	60.6	3.5
78 08 12	KT7	EP	0501 59.4		3.5
			1		
78 08 12	KKT	IPD	0510 19.7		3.0
78 08 12	KM3	EP	0510 20.4		3.0
78 08 12	KKT	IPD	0533 27.8		3.0
78 08 12	KKT	IPD	0538 46.6		3.5
78 08 12	KKT	IPD	0550 48.3		6.0
78 08 12	KIE	EP	0550 49.0		6.0
78 08 12	KM3	IPD	0550 49.0	50.5	6.0
78 08 12	KT7	IP	0550 49.2		6.0
78 08 12	KTX	EP	0550 49.7		5.5
			1		
78 08 12	KKT	IPD	0558 10.85		4.0
78 08 12	KM3	EP	0558 11.6	13.1	4.0
			1		
78 08 12	KKT	IPD	0615 49.35		3.5
78 08 12	KM3	EP	0615 50.00	51.0	3.5
78 08 12	KT7	EP	0615 50.45		3.5
			1		
78 08 12	KKT	IPD	0629 21.7	22.7	5.0
78 08 12	KIE	IPU	0629 22.5		5.0
78 08 12	KM3	IPU	0629 22.45	23.9	5.0
78 08 12	KT7	IP	0629 22.7		
78 08 12	KTX	EP	0629 23.15		5.0
			1		
78 08 12	KKT	IPD	0653 12.7		3.0
78 08 12	KKT	IPD	0702 07.25		5.5
78 08 12	KIE	EP	0702 07.95		5.5
78 08 12	KM3	IPD	0702 08.0		5.5
78 08 12	KT7	IP	0702 08.2		5.5
78 08 12	KTX	EP	0702 08.7		5.5
78 08 12	KKT	IPD	0706 24.5		3.0
78 08 12	KKT	IPD	0707 00.8	01.6	4.0
78 08 12	KM3	EP	0707 01.55	03.1	4.0
78 08 12	KT7	EP	0707 01.8		4.0
			1		
78 08 12	KKT	EP	0738 45.9		4.0
78 08 12	KM3	EP	0738 46.6		4.0
78 08 12	KT7	EP	0738 46.9		4.0
78 08 12	KKT	IPD	0750 36.5		3.5
78 08 12	KM3	IPD	0750 37.3		3.5

78 08 12	KT7	IPD	0750 37.55			3.5
78 08 12	KKT	IPD	0756 58.2			4.0
78 08 12	KM3		0756 59.0			4.0
78 08 12	KKT	IPD	0758 48.2			5.0
78 08 12	KIE	EP	0758 48.9			5.0
78 08 12	KM3	IPD	0758 49.0			5.0
78 08 12	KT7	IPU	0758 49.3			5.0
78 08 12	KTX	EP	0758 49.75			4.5
78 08 12	KKT	IPD	0802 19.45			6.0
78 08 12	KIE	EP	0802 20.2			6.0
78 08 12	KM3	IPD	0802 20.15			6.0
78 08 12	KT7	IPD	0802 20.4			6.0
78 08 12	KTX	EP	0802 20.9			4.5
78 08 12	KKT	IPD	0816 36.0			3.5
78 08 12	KM3	EP	0816 36.7		38.2	3.5
78 08 12	KT7	EP	0816 37.0			3.5
			1			
78 08 12	KKT	IPD	0818 39.4			3.5
78 08 12	KM3	EP	0818 40.1			3.5
78 08 12	KT7	EP	0818 40.4			3.5
78 08 12	KKT	IPD	0829 03.05		03.9	3.0
78 08 12	KM3	EP	0829 03.8			3.0
			1			
78 08 12	KKT	IPD	0829 33.0			3.0
78 08 12	KM3	EP	0829 33.8			3.0
78 08 12	KKT	IPD	0919 00.4			4.0
78 08 12	KIE	EP	0919 01.1			4.0
78 08 12	KM3	EP	0919 01.1			4.0
78 08 12	KT7	EP	0919 01.4			4.0
78 08 12	KKT	IPD	0944 16.0			3.0
78 08 12	KKT	IPD	0951 22.35			3.5
78 08 12	KM3	EP	0951 23.2		24.6	3.5
			1			
78 08 12	KKT	IPD	0956 30.75			4.0
78 08 12	KM3	IPD	0956 31.45			4.0
78 08 12	KT7	IPD	0956 31.75			4.0
78 08 12	KKT	IPD	0956 54.65			3.0
78 08 12	KM3	IPD	0956 55.4			3.0
78 08 12	KT7	IPU	0956 55.75			3.0
78 08 12	KKT	IPD	1034 52.5			4.0
78 08 12	KIE	EP	1034 53.1			4.0
78 08 12	KM3	IPU	1034 53.3		54.7	4.0
78 08 12	KT7	EP	1034 53.55			4.0
			1			
78 08 12	KKT	IPD	1047 16.25			4.0
78 08 12	KM3	IPU	1047 17.00		18.0	4.0
78 08 12	KT7	IPD	1047 17.3			4.0
			1			
78 08 12	KKT	IPD	1054 08.95			3.0
78 08 12	KKT	IPD	1054 22.05			3.0

78 08 12	KKT	IPD	1058 55.35			6.5
78 08 12	KIE	IPU	1058 56.05			6.5
78 08 12	KM3	IPU	1058 56.05			6.5
78 08 12	KT7	IPU	1058 56.35			6.5
78 08 12	KTX	EP	1058 56.7			6.5
78 08 12	KKT	IPD	1113 14.05			3.5
78 08 12	KM3	EP	1113 14.7			3.5
78 08 12	KT7	EP	1113 15.1			3.5
78 08 12	KKT	IPD	1203 35.75			4.0
78 08 12	KM3	EP	1203 36.5			4.0
78 08 12	KKT	IPD	1206 07.1			3.0
78 08 12	KKT	IPD	1233 51.05			4.0
78 08 12	KM3	EP	1233 51.85		53.0	4.0
78 08 12	KT7	EP	1233 52.15			4.0
			1			
78 08 12	KKT	IP	1245 28.25			11.0
78 08 12	KIE	IP	1245 29.00			11.0
78 08 12	KM3	IP	1245 28.95			11.0
78 08 12	KT7	IP	1245 29.3			11.0
78 08 12	KTX	IP	1245 29.7			10.0
78 08 12	KT4	EP 2	1245 33.1			8.0
78 08 12	KKT	IPD	1323 31.0			3.0
78 08 12	KKT	IPD	1717 18.2			3.5
78 08 12	KM3	EP	1717 19.1			3.5
78 08 12	KT7	EP	1717 19.3			3.5
78 08 12	KKT	IPD	1808 45.2			3.0
78 08 12	KKT	IPD	1818 53.5			4.0
78 08 12	KM3	EP	1818 54.15			4.0
78 08 12	KT7	IPD	1818 54.45			4.0
78 08 12	KKT	IPD	1823 38.15		38.7	4.5
78 08 12	KM3	EP	1823 38.7		39.6	4.5
78 08 12	KT7	EP	1823 39.15			4.5
			1			
78 08 12	KKT	IPU	1823 48.6			8.0
78 08 12	KIE	IPD	1823 48.85			8.0
78 08 12	KM3	IPU	1823 49.2			8.0
78 08 12	KT7	IPU	1823 49.85			8.0
78 08 12	KTX	IPD	1823 49.7			8.0
78 08 12	KKT	IPD	1911 57.25			3.0
78 08 12	KKT	IPD	2023 50.7			3.5
78 08 12	KM3	EP	2023 51.35			3.5
78 08 12	KT7	EP	2023 51.6			3.5
78 08 12	KIE	EP	2122 57.3			5.0
78 08 12	KM3	EP	2122 57.35			5.0
78 08 12	KT7	EP	2122 57.6			5.0
78 08 12	KKT	IPD	2221 40.9			5.0
78 08 12	KM3	IPU	2221 41.6		43.2	5.0

78 08 12	KT7	IPU	2221 41.9			5.0
78 08 12	KTX	EP	2221 42.4			5.0
78 08 12	KKT	IPD	2233 47.7			3.0
78 08 12	KKT	IPD	2238 33.6			3.0
78 08 12	KM3	IPU	2238 34.3			3.0
78 08 12	KT7	IPD	2238 34.65			3.0
78 08 12	KKT	IPD	2301 58.25			6.0
78 08 12	KIE	EP	2301 58.95			6.0
78 08 12	KM3	IP	2301 58.95		60.3	6.0
78 08 12	KT7	IP	2301 59.25			6.0
78 08 12	KTX	EP	2301 59.6			4.5
			1			
78 08 12	KKT	IPD	2326 30.55			3.0
78 08 12	KM3	IPU	2326 31.2		32.9	3.0
78 08 12	KT7	IPU	2326 31.5			3.0
			1			
78 08 13	KKT	IPD	0021 40.5			6.0
78 08 13	KIE	EP	0021 41.3			6.0
78 08 13	KM3	IPU	0021 41.25			6.0
78 08 13	KT7	IPU	0021 41.5			6.0
78 08 13	KTX	EP	0021 41.95			5.0
78 08 13	KKT	IPD	0111 53.95			4.5
78 08 13	KM3	IPD	0111 54.6			4.5
78 08 13	KT7	IPD	0111 54.9			4.5
78 08 13	KKT	IPD	0141 20.2			3.0
78 08 13	KM3	EP	0141 20.9			3.0
78 08 13	KT7	EP	0141 21.3			3.0
78 08 13	KKT	IPD	0155 58.1			3.0
78 08 13	KM3	IPU	0155 58.75			3.0
78 08 13	KT7	EP	0155 59.1			3.0
78 08 13	KKT	IPD	0308 53.9			3.0
78 08 13	KM3	IPU	0308 54.65			3.0
78 08 13	KT7	IPU	0308 54.9			3.0
78 08 13	KKT	IPD	0308 56.6			3.0
78 08 13	KKT	IPD	0318 25.3			3.0
78 08 13	KM3	IPD	0318 26.2			3.0
78 08 13	KT7	IPD	0318 26.45			3.0
78 08 13	KKT	IPD	0406 07.1			2.5
78 08 13	KKT	IPD	0540 48.05			3.0
78 08 13	KM3	IPU	0540 48.85		50.4	3.0
			1			
78 08 13	KKT	IPD	0607 53.9			3.0
78 08 13	KM3	IPD	0607 54.55			3.0
78 08 13	KT7	IP	0607 54.85			3.0
78 08 13	KKT	IPD	0753 10.55			3.0
78 08 13	KM3	EP	0753 11.25		12.7	3.0
			1			
78 08 13	KKT	IPD	0756 51.55			4.0
78 08 13	KM3	IPU	0756 52.3		53.8	3.5

78 08 13	KT7	IPU	0756 52.55			3.5
			1			
78 08 13	KKT	IPD	0822 03.2		03.8	3.5
78 08 13	KM3	IPD	0822 03.9		05.0	3.5
78 08 13	KT7	IPD	0822 04.2			3.5
			1			
78 08 13	KKT	IPU	0946 36.35			4.5
78 08 13	KIE	IPD	0946 36.6			4.5
78 08 13	KM3	IPU	0946 36.95		38.6	4.5
78 08 13	KT7	IP	0946 37.55		39.6	4.5
78 08 13	KTX	IPD	0946 37.4			4.5
			1			
78 08 13	KKT	IPD	0955 26.0			
78 08 13	KKT	IPD	1051 32.3			5.0
78 08 13	KM3	IPU	1051 33.0		34.5	5.0
78 08 13	KT7	IP	1051 33.35			5.0
78 08 13	KTX	EP	1051 33.8			4.0
			1			
78 08 13	KKT	IPD	1118 43.5			3.0
78 08 13	KKT	IPD	1308 46.6			3.5
78 08 13	KKT	IPD	1416 04.35			3.5
78 08 13	KM3	EP	1416 05.05			3.5
78 08 13	KT7	EP	1416 05.35			3.5
78 08 13	KKT	IPD	1707 14.65		15.3	3.0
78 08 13	KM3	EP	1707 15.35		16.4	3.0
78 08 13	KT7	EP	1707 15.65			3.0
			1			
78 08 13	KKT	IPD	1723 43.7		44.3	3.0
78 08 13	KM3	EP	1723 44.45		45.4	3.0
			1			
78 08 13	KKT	IPU	1804 27.1			5.0
78 08 13	KIE	IPD	1804 27.3			5.0
78 08 13	KM3	IPU	1804 27.65		29.3	5.0
78 08 13	KT7	IPU	1804 28.35			5.0
78 08 13	KTX	EP	1804 28.15			4.0
			1			
78 08 13	KKT	IPD	1952 17.2			3.0
78 08 13	KM3	EP	1952 17.9			3.0
78 08 13	KT7	EP	1952 18.25			3.0
78 08 13	KT7	EP	2105 39.6			
78 08 13	KKT	IPD	2114 00.1			3.0
78 08 13	KM3	EP	2114 00.8			3.0
78 08 13	KT7	EP	2114 01.1			3.0
78 08 13	KT4	EP	2258 13.9			
78 08 14	KKT	IPD	0103 03.7			3.0
78 08 14	KKT	IPD	0114 37.8			4.0
78 08 14	KM3	IPU	0114 38.5		40.0	4.0
78 08 14	KT7	IPU	0114 38.75			4.0
78 08 14	KTX	EP	0114 39.3			3.5
			1			
78 08 14	KKT	IPD	0324 47.9			3.0

78 08 14	KKT	IPD	0329 00.1			3.0
78 08 14	KM3	EP	0329 00.8			3.0
78 08 14	KT7	EP	0329 01.05			3.0
78 08 14	KKT	IPD	0446 17.65			3.0
78 08 14	KM3	IPU	0446 18.35		19.8	3.0
78 08 14	KT7	IPU	0446 18.6			3.0
			1			
78 08 14	KM9	EP	0505 47.1			
78 08 14	KKT	IPD	0520 14.2			3.0
78 08 14	KM3	EP	0520 14.9		15.9	3.0
78 08 14	KT7	EP	0520 15.25			3.0
			1			
78 08 14	KKT	IPD	0637 22.1			3.0
78 08 14	KKT	IPD	0820 03.1			3.0
78 08 14	KKT	IPD	0938 36.25			6.0
78 08 14	KIE	IPD	0938 36.9			6.0
78 08 14	KM3	IPU	0938 36.9			6.0
78 08 14	KT7	IPU	0938 37.25			6.0
78 08 14	KTX	EP	0938 37.6			5.0
78 08 14	KKT	IPU	1158 57.1			6.0
78 08 14	KIE	IPD	1158 57.35			6.0
78 08 14	KM3	IPU	1158 57.7		59.2	6.0
78 08 14	KT7	IPU	1158 58.35		60.8	6.0
78 08 14	KTX	EP	1158 58.2			5.0
			1			
78 08 14	KM9	EP	1329 50.3			
78 08 14	KIE	EP	1421 08.6			4.0
78 08 14	KM3	IPU	1421 08.95		10.5	4.0
78 08 14	KT7	IPU	1421 09.6			4.0
			1			
78 08 14	KKT	IPU	1605 43.7			6.0
78 08 14	KIE	IPD	1605 43.95			6.0
78 08 14	KM3	IPU	1605 44.3			6.0
78 08 14	KT7	IPU	1605 45.0			6.0
78 08 14	KTX	EP	1605 44.8			5.0
78 08 14	KT4	EP	1857 43.25			
78 08 14	KKT	IPD	1917 32.5			3.5
78 08 14	KM3	EP	1917 33.2			3.5
78 08 14	KT7	IPU	1917 33.5			3.5
78 08 14	KKT	IPU	1944 37.85			12.0
78 08 14	KIE	IPD	1944 38.05			12.0
78 08 14	KM3	IPU	1944 38.95			12.0
78 08 14	KT7	IPU	1944 39.15			12.0
78 08 14	KTX	IPD	1944 38.95			9.0
78 08 14	KM9	EP	2001 54.3			
78 08 14	KKT	IPD	2340 07.9			5.0
78 08 14	KIE	IPD	2340 08.55			5.0
78 08 14	KM3	IPD	2340 08.6			5.0
78 08 14	KT7	IP	2340 08.9			5.0
78 08 14	KTX	EP	2340 09.3			4.5

78 08 15	KKT	IPD	0031 45.2			6.0
78 08 15	KIE	EP	0031 45.9			6.0
78 08 15	KM3	IPU	0031 45.85		47.4	6.0
78 08 15	KT7	IPU	0031 46.2			6.0
78 08 15	KTX	EP	0031 46.2			5.0
			1			
78 08 15	KKT	IPU	0126 04.05			4.5
78 08 15	KIE	IPD	0126 04.3			4.0
78 08 15	KM3	IPU	0126 04.65		06.2	5.0
78 08 15	KT7	IPD	0126 05.4		07.3	5.5
78 08 15	KTX	EP	0126 05.2			4.0
78 08 15	KKT	IPD	0144 42.8		43.3	3.3
78 08 15	KM3	EP	0144 43.45			3.3
78 08 15	KT7	EP	0144 44.0			3.3
			1			
78 08 15	KKT	IPD	0207 22.1			4.0
78 08 15	KM3	EP	0207 22.75			4.0
78 08 15	KT7	EP	0207 23.1			4.0
78 08 15	KKT	IPD	0224 44.1			3.0
78 08 15	KT7	EP	0357 26.0			
78 08 15	KKT	IPU	0404 00.15			6.5
78 08 15	KIE	IPD	0404 00.35			6.5
78 08 15	KM3	IPU	0404 00.75			6.5
78 08 15	KT7	IPU	0404 01.4			6.5
78 08 15	KTX	IPD	0404 01.25			6.0
78 08 15	KKT	IPD	0440 48.9			3.0
78 08 15	KM3	EP	0440 49.45			3.0
78 08 15	KT7	EP	0440 50.0			3.0
78 08 15	KKT	IPU	0533 48.0			6.0
78 08 15	KIE	IPD	0533 48.2			6.0
78 08 15	KM3	IPU	0533 48.55		50.0	6.0
78 08 15	KT7	IPU	0533 49.25		51.1	6.0
78 08 15	KTX	EP	0533 49.1			5.0
			1			
78 08 15	KKT	IPD	0542 48.05			4.5
78 08 15	KT7	EP	0542 49.05			4.5
78 08 15	KM3	EP	0542 48.75		50.0	4.5
			1			
78 08 15	KKT	IPD	0614 02.7			3.0
78 08 15	KM3	EP	0614 03.45			3.0
78 08 15	KT7	EP	0614 03.75			3.0
78 08 15	KKT	IPD	0642 41.05			3.0
78 08 15	KM3	EP	0642 41.7		43.3	3.0
78 08 15	KT7	IPU	0642 42.05			3.0
			1			
78 08 15	KKT	IPU	0735 51.35			6.0
78 08 15	KIE	IPD	0735 51.55		54.5	6.0
78 08 15	KM3	IPU	0735 51.9		53.4	6.0
78 08 15	KT7	IPU	0735 52.6			6.0
78 08 15	KTX	EP	0735 52.4			5.0
78 08 15	KKT	IPD	0827 35.65			3.0

78 08 15	KKT	EP	1032 36.55			3.0
78 08 15	KKT	IP	1125 40.0			3.5
78 08 15	KM3	EP	1125 40.6			3.5
78 08 15	KT7	EP	1125 41.3			3.5
78 08 15	KKT	EP	1201 06.85			3.0
78 08 15	KM3	EP	1201 07.5			3.0
78 08 15	KT7	EP	1201 08.15			3.0
78 08 15	KIE	EP	1201 07.1			3.0
78 08 15	KKT	IPD	1246 16.7			3.5
78 08 15	KT7	EP	1246 16.6			3.5
78 08 15	KM3	EP	1246 17.35		18.7	3.5
			1			
78 08 15	KKT	IPU	1326 17.1			3.0
78 08 15	KM3	IPU	1415 55.55		57.0	3.6
78 08 15	KTX	EP	1415 56.20			3.8
78 08 15	KT7	IPU	1415 56.10		58.2	3.8
			1			
78 08 15	KM9	IPD	1446 56.25			
78 08 15	KKT	IPD	1454 37.65			3.5
78 08 15	KIE	IP	1454 37.9			4.5
78 08 15	KTX	IP	1454 38.8			3.0
78 08 15	KT7	IP	1454 39.0		41.1	4.7
78 08 15	KM3	IPU	1454 38.35		39.8	5.7
			1			
78 08 15	KIE	IPD	1822 58.1			3.4
78 08 15	KTX	IP	1822 59.0			3.0
78 08 15	KT7	IPD	1822 59.3		61.3	3.8
78 08 15	KM3	IP	1822 58.4		60.0	2.9
			1			
78 08 15	KKT	IP	1835 37.4			5.0
78 08 15	KIE	IP	1835 37.6			4.7
78 08 15	KTX	IP	1835 38.4			4.0
78 08 15	KT7	IP	1835 38.6		40.7	6.4
78 08 15	KM3	IP	1835 38.0		39.5	4.6
			1			
78 08 15	KKT	IP	1847 20.3			6.7
78 08 15	KIE	IP	1847 20.5			6.2
78 08 15	KTX	IP	1847 21.35			6.4
78 08 15	KT7	IP	1847 21.5			10.5
78 08 15	KM3	IP	1847 20.8			10.0
78 08 15	KKT	IP	1915 47.6		48.7	3.2
78 08 15	KIE	IP	1915 47.8		49.0	3.8
78 08 15	KTX	IPD	1915 48.6		50.6	3.6
78 08 15	KT7	IP	1915 48.85		50.9	5.6
78 08 15	KM3	IPD	1915 48.2		49.7	4.4
			1			
78 08 15	KIE	EP	2217 27.2			3.0
78 08 15	KT7	IP	2217 28.25		30.3	4.0
78 08 15	KM3	IPU	2217 27.5		29.1	3.0
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78 08 15	KKT	IP	2313 19.5			3.1
78 08 15	KIE	IP	2313 19.75			2.5
78 08 15	KT7	IP	2313 20.75			4.5
78 08 15	KM3	IP	2313 20.05		21.7	4.2
			1			

78 08 15	KKT	IPD	2352 06.4			3.3
78 08 15	KIE	IPD	2352 06.6			2.8
78 08 15	KM3	EP	2352 06.65		03.6	3.3
			1			
78 08 16	KKT	IP	0007 06.6			6.5
78 08 16	KIE	IP	0007 06.75			6.5
78 08 16	KTX	IP	0007 07.6			6.5
78 08 16	KT7	IP	0007 07.7			6.5
78 08 16	KM3	IP	0007 07.0		08.7	6.5
			1			
78 08 16	KKT	EP	0011 31.1			2.8
78 08 16	KT7	EP	0011 32.4		34.5	4.0
78 08 16	KM3	EP	0011 31.7		33.3	2.5
			1			
78 08 16	KKT	IP	0050 54.0			4.7
78 08 16	KTX	IPD	0050 55.2			4.5
78 08 16	KIE	IP	0050 54.2			5.0
78 08 16	KT7	IPU	0050 55.3		57.4	6.0
78 08 16	KM3	IPU	0050 54.6		56.2	6.3
			1			
78 08 16	KKT	EP	0132 01.65		03.0	3.5
78 08 16	KT7	EP	0132 02.9		5.2	4.2
78 08 16	KM3	EP	0132 02.3		03.9	3.5
			1			
78 08 16	KKT	IP	0142 36.15			3.8
78 08 16	KT7	IPU	0142 37.05		38.9	4.5
78 08 16	KM3	IPU	0142 36.7		38.3	3.4
			1			
78 08 16	KKT	IP	0441 24.5		25.7	5.7
78 08 16	KTX	IPU	0441 25.7			5.0
78 08 16	KT7	IP	0441 25.3		27.0	6.0
78 08 16	KM3	IP	0441 25.0		26.5	5.0
			1			
78 08 16	KKT	IP	0454 33.75			4.5
78 08 16	KTX	EP	0454 35.2			4.7
78 08 16	KT7	IP	0454 34.65		36.4	5.2
78 08 16	KM3	IP	0454 34.4		35.9	4.8
			1			
78 08 16	KKT	IP	0459 31.2			4.4
78 08 16	KT7	IP	0459 32.1		33.8	5.0
78 08 16	KM3	IP	0459 31.7		33.3	4.7
			1			
78 08 16	KKT	IP	0841 35.6		37.0	3.1
78 08 16	KT7	IP	0841 35.9		37.6	5.2
78 08 16	KM3	IP	0841 36.5			4.3
			1			
78 08 16	KKT	IPD	0947 51.9			4.7
78 08 16	KIE	IP	0947 52.1			4.5
78 08 16	KT7	EP	0947 53.1		55.2	4.7
78 08 16	KM3	IP	0947 52.4		54.0	4.0
78 08 16	KKT	IP	1100 58.8			4.5
78 08 16	KM3	IP	1100 59.45		60.9	5.0
78 08 16	KT7	IP	1101 00.1		02.1	3.9
78 08 16	KTX	IP	1100 59.85			3.9
			1			
78 08 16	KKT	IPD	1153 49.2			4.6
78 08 16	KT7	EP	1153 50.2		51.9	5.0
78 08 16	KM3	IPU	1153 49.7		51.4	4.1
			1			
78 08 16	KKT	IP	1358 01.0			5.0

78 08 16	KT7	EP	1358	02.0	03.8	4.7
78 08 16	KM3	EP	1358	01.7	03.1	4.5
			1			
78 08 16	KKT	IPD	2008	24.6		3.7
78 08 16	KIE	EP	2008	25.15		3.7
78 08 16	KTX	EP	2008	25.75		3.1
78 08 16	KM3	IPU	2008	25.1	26.8	4.0
78 08 16	KT7	IP	2008	25.9		5.6
			1			
78 08 16	KKT	IPD	2057	01.6		4.9
78 08 16	KT7	IP	2057	02.6	04.5	4.2
78 08 16	KM3	IPU	2057	02.3	03.9	4.4
			1			
78 08 16	KKT	IPD	2221	12.5		3.7
78 08 16	KM3	IPU	2221	13.0	14.6	3.8
78 08 16	KT7	IP	2221	13.75	16.0	5.0
			1			
78 08 16	KKT	IP	2233	34.8	36.0	4.8
78 08 16	KTX	EP	2233	35.6		3.1
78 08 16	KIE	IP	2233	35.1	36.3	4.5
78 08 16	KT7	IP	2233	36.1	38.2	5.5
78 08 16	KM3	IPU	2233	35.4	37.0	4.0
			1			
78 08 16	KKT	IP	2239	20.8		5.2
78 08 16	KTX	EP	2239	21.8		5.0
78 08 16	KIE	IP	2239	21.1		5.0
78 08 16	KT7	IP	2239	22.1		6.0
78 08 16	KM3	IPU	2239	21.4	23.0	5.0
			1			
78 08 16	KKT	IP	2304	40.5		4.4
78 08 16	KIE	IP	2304	40.9		4.4
78 08 16	KTX	IPU	2304	41.55		4.0
78 08 16	KT7	IPU	2304	41.7	43.5	5.7
78 08 16	KM3	IPU	2304	41.0	42.6	4.0
			1			
78 08 17	KKT	IP	0154	11.0		4.2
78 08 17	KIE	IPD	0154	11.3		4.5
78 08 17	KT7	IP	0154	12.3	14.4	5.1
78 08 17	KM3	IP	0154	11.7	13.2	4.5
			1			
78 08 17	KKT	IP	0359	15.8	16.9	3.0
78 08 17	KT7	IPD	0359	16.6	18.3	3.3
78 08 17	KM3	IPD	0359	16.3	17.8	3.0
			1			
78 08 17	KKT	IPD	0500	21.4		3.0
78 08 17	KT7	EP	0500	22.4	24.0	3.0
78 08 17	KM3	EP	0500	22.1	23.6	3.0
			1			
78 08 17	KKT	IP	0646	01.7	02.4	3.0
78 08 17	KT7	EP	0646	02.7	04.2	3.0
78 08 17	KM3	IP	0646	02.45	03.8	3.0
			1			
78 08 17	KKT	EP	0701	21.0		4.5
78 08 17	KM3	IPD	0701	21.5	23.0	4.0
78 08 17	KT7	IPU	0701	22.1	24.2	4.5
			1			
78 08 17	KTX	IPU	0844	20.4		
78 08 17	KKT	IP	1039	39.9		3.0
78 08 17	KT7	IP	1039	40.2		3.0
78 08 17	KM3	IP	1039	39.1	39.7	3.0

				1			
78	08	17	KKT	IP	1244 15.4		4.8
78	08	17	KIE	IP	1244 15.5		4.5
78	08	17	KT7	IP	1244 16.6	18.6	5.8
78	08	17	KM3	IP	1244 15.9	17.5	5.5
				1			
78	08	17	KKT	IP	2003 47.35		6.1
78	08	17	KIE	IPU	2003 48.1		5.5
78	08	17	KTX	IPD	2003 48.8		5.2
78	08	17	KT7	IPD	2003 48.4	49.5	6.1
78	08	17	KM3	IPU	2003 48.05		6.0
				1			
78	08	17	KKT	IP	2014 21.1	22.3	3.5
78	08	17	KIE	IPU	2014 21.3		3.2
78	08	17	KTX	IP	2014 22.05		4.0
78	08	17	KM3	IPU	2014 21.6	23.1	3.5
78	08	17	KT7	IP	2014 22.3	24.2	4.8
				1			
78	08	17	KKT	IP	2046 09.4	10.2	5.0
78	08	17	KIE	IP	2046 10.05		4.2
78	08	17	KTX	IP	2046 10.25	12.5	4.4
78	08	17	KT7	IP	2046 10.4		7.2
78	08	17	KM3	IP	2046 10.0	11.2	7.0
				1			
78	08	18	KKT	IP	0342 58.1		2.8
78	08	18	KM3	IPU	0342 58.8	60.2	4.5
78	08	18	KT7	IPU	0342 59.1	60.4	4.3
				1			
78	08	18	KKT	IPU	0342 58.05		5.0
78	08	18	KT7	IPU	0342 59.2	60.6	5.0
78	08	18	KM3	IPU	0342 58.8	60.2	5.4
				1			
78	08	18	KKT	IP	0714 33.7		4.5
78	08	18	KIE	IPD	0714 34.4		5.4
78	08	18	KTX	EP	0714 35.05		5.4
78	08	18	KT7	IPD	0714 34.6	36.2	6.5
78	08	18	KM3	IPD	0714 34.3	35.8	6.4
				1			
78	08	18	KKT	IPD	0721 30.4		2.8
78	08	18	KT7	EP	0721 31.4	32.9	4.3
78	08	18	KM3	IPD	0721 31.0	32.4	3.5
				1			
78	08	18	KKT	IPU	0907 48.25		4.5
78	08	18	KIE	IPD	0907 48.4		4.5
78	08	18	KT7	IPU	0907 49.5	51.8	4.5
				1			
78	08	18	KKT	IP	0940 46.2		3.8
78	08	18	KM3	IPD	0940 46.85	48.3	3.1
78	08	18	KT7	IP	0940 47.3	48.8	4.2
				1			
78	08	18	KKT	IPD	1004 38.8	39.8	5.0
78	08	18	KT7	IPU	1004 39.75	41.6	5.1
78	08	18	KM3	IPU	1004 39.4	41.0	6.0
				1			
78	08	18	KKT	IPU	1015 26.65		3.9
78	08	18	KTX	IPD	1015 27.65		3.0
78	08	18	KT7	IPD	1015 27.9	29.8	5.8
78	08	18	KM3	IPU	1015 27.1	28.8	5.7
				1			
78	08	18	KKT	IPD	1116 07.8		3.0
78	08	18	KT7	EP	1116 08.8		3.6

78	08	18	KM3	IPD	1116	08.5	10.0	3.7
					1			
78	08	18	KKT	IP	1456	51.4	51.8	5.5
78	08	18	KIE	IPU	1456	51.65	52.4	5.8
78	08	18	KTX	EP	1456	52.5		6.0
78	08	18	KT7	IPU	1456	52.7		8.0
					1			
78	08	18	KKT	IPD	1458	24.5		5.5
78	08	18	KT7	IP	1458	25.4	27.0	3.5
					1			
78	08	18	KKT	IP	1503	19.6		5.6
78	08	18	KT7	IP	1503	20.5	22.1	5.3
					1			
78	08	18	KM9	IPD	1539	47.2		
78	08	18	KKT	IPD	1651	36.4		6.4
78	08	18	KTX	IPU	1651	37.3		3.7
78	08	18	KT7	IPU	1651	37.6	39.8	6.4
78	08	18	KM3	IPD	1651	37.0	38.5	5.9
					1			
78	08	18	KKT	IP	1728	58.9	60.9	5.5
78	08	18	KT7	IP	1728	59.85	61.2	4.5
78	08	18	KM3	IPD	1728	59.3	61.0	5.0
					1			
78	08	18	KM2	EP	1900	19.3		
78	08	18	KKT	IP	1940	40.4		3.7
78	08	18	KIE	IP	1940	40.6		3.4
78	08	18	KTX	IPD	1940	41.4		3.2
78	08	18	KT7	IPU	1940	41.5	43.6	5.0
78	08	18	KM3	IP	1940	40.95	42.4	4.5
					1			
78	08	18	KKT	IP	2033	08.9		4.7
78	08	18	KIE	IP	2033	09.4		4.0
78	08	18	KTX	IP	2033	10.15		4.1
78	08	18	KT7	IP	2033	09.7	11.0	6.0
78	08	18	KM3	IP	2033	09.5	10.9	4.9
					1			
78	08	18	KKT	IP	2301	55.4		3.0
78	08	18	KT7	IP	2301	56.39	58.0	4.3
78	08	18	KM3	IP	2301	56.05	57.5	3.1
					1			
78	08	18	KKT	IP	2321	32.30		3.0
78	08	18	KT7	IP	2321	33.45		4.5
78	08	18	KM3	IP	2321	33.00	34.4	3.2
					1			
78	08	19	KKT	IPD	0046	07.0		3.5
78	08	19	KT7	IPD	0046	07.9	09.8	4.4
78	08	19	KM3	IP	0046	07.5	09.1	3.5
					1			
78	08	19	KKT	IPD	0133	17.3		3.5
78	08	19	KT7	EP	0133	18.35	19.9	4.1
78	08	19	KM3	EP	0133	17.95	19.4	4.6
					1			
78	08	19	KKT	IP	0231	43.75		5.5
78	08	19	KIE	IPD	0231	44.35		4.5
78	08	19	KTX	IP	0231	45.2		4.0
78	08	19	KT7	IP	0231	44.8	46.5	6.7
78	08	19	KM3	IPU	0231	44.4	46.0	6.7
					1			
78	08	19	KKT	IP	0655	13.55		5.7

78	08	20	KM3	IPU	1754	33.8	3.0
78	08	20	KKT	IPD	1854	51.2	4.0
78	08	20	KT7	IPD	1854	52.2	4.0
78	08	20	KM3	IPD	1854	51.85	4.0
78	08	20	KKT	IPD	2104	34.3	2.5
78	08	20	KKT	IPD	2145	15.0	3.5
78	08	20	KT7	IPU	2145	15.95	3.5
78	08	20	KM3	EP	2145	15.6	3.5
78	08	20	KKT	IPD	2148	48.75	4.0
78	08	20	KIE	IPD	2148	48.95	4.0
78	08	20	KTX	EP	2148	49.8	4.0
78	08	20	KT7	EP	2148	49.9	4.0
78	08	20	KM3	EP	2148	49.2	4.0
78	08	20	KKT	IPD	2224	56.8	3.5
78	08	20	KT7	IPU	2224	57.75	3.5
78	08	20	KM3	IPU	2224	57.4	3.5
78	08	20	KKT	EP	2257	38.4	3.5
78	08	20	KT7	IPU	2257	40.45	3.5
78	08	20	KM3	IPU	2257	40.1	3.5
78	08	20	KKT	IPD	2318	28.5	3.0
78	08	21	KKT	EP	0003	15.4	3.5
78	08	21	KT7	EP	0003	17.6	3.5
78	08	21	KM3	IPU	0003	17.25	3.5
78	08	21	KKT	IPD	0033	13.35	3.0
78	08	21	KT7	EP	0033	14.3	3.0
78	08	21	KM3	EP	0033	14.05	3.0
78	08	21	KKT	IPD	0615	34.9	3.0
78	08	21	KT7	IPU	0615	35.85	3.0
78	08	21	KM3	IPU	0615	35.5	3.0
78	08	21	KKT	IPD	0913	59.0	3.5
78	08	21	KT7	IPU	0913	59.95	3.5
78	08	21	KM3	IPU	0913	59.65	3.5
78	08	21	KKT	IPD	1258	52.5	3.5
78	08	21	KT7	IPU	1258	53.45	3.5
78	08	21	KM3	IPU	1258	53.15	3.5
78	08	21	KKT	IPD	1819	26.5	3.0
78	08	21	KT7	EP	1819	27.5	3.0
78	08	21	KM3	IPU	1819	27.1	3.0
78	08	21	KT7	EP	2018	14.8	26.5 100.0
78	08	21	KKT	IPD	2212	41.2	4.0
78	08	21	KT7	IPU	2212	42.2	4.0
78	08	21	KM3	IPU	2212	41.85	4.0
78	08	21	KM6	EP	2220	59.5	50.0
78	08	21	KM6	EP	2338	34.5	25.0

78	08	19	KIE	IPU	0655	14.5	15.3	6.6
78	08	19	KTX	IPU	0655	14.2	15.7	5.8
					1			
78	08	19	KKT	IPD	0732	13.75		3.0
78	08	19	KT7	IPU	0732	14.8		4.6
78	08	19	KM3	IPU	0732	14.4		3.7
78	08	19	KKT	IP	0752	41.2		5.0
78	08	19	KTX	EP	0752	42.4		4.0
78	08	19	KT7	IPU	0752	42.1	43.7	5.2
78	08	19	KM3	IPU	0752	41.8	43.4	5.2
					1			
78	08	19	KKT	IPD	0754	20.85		4.0
78	08	19	KT7	IPD	0754	21.8		3.8
78	08	19	KM3	IPD	0754	21.6		3.3
78	08	19	KKT	IPD	0844	22.6		3.0
78	08	19	KT7	IPU	0844	23.59		4.0
78	08	19	KM3	IPU	0844	23.3		4.0
78	08	19	KKT	IPD	0852	43.55		4.0
78	08	19	KIE	EP	0852	44.1		4.0
78	08	19	KTX	EP	0852	45.0		4.0
78	08	19	KT7	IPU	0852	44.55		5.0
78	08	19	KM3	IPU	0852	44.2	45.7	5.0
					1			
78	08	19	KKT	EP	0913	19.4		3.0
78	08	19	KIE	EP	0913	19.7		3.0
78	08	19	KM3	EP	0913	20.0		3.0
78	08	19	KKT	IPD	1039	19.05		5.0
78	08	19	KIE	EP	1039	19.6		4.0
78	08	19	KTX	EP	1039	20.35		4.0
78	08	19	KT7	IP	1039	20.0		5.0
78	08	19	KM3	IPD	1039	19.7		5.0
78	08	19	KKT	IP	1754	59.2	59.9	2.5
78	08	19	KIE	EP	1754	59.6		2.2
78	08	19	KT7	IPD	1755	00.3	02.0	3.4
					1			
78	08	19	KM3	IPU	1831	15.2	17.1	4.5
78	08	19	KT7	IPU	1831	15.4	17.4	4.5
					1			
78	08	19	KKT	IPD	1900	42.5	43.0	6.0
78	08	19	KIE	IPD	1900	42.85	43.6	6.0
78	08	19	KTX	IPU	1900	43.5		4.5
78	08	19	KT7	IPD	1900	43.7	44.8	6.0
78	08	19	KM3	IPD	1900	43.1	44.4	4.5
					1			
78	08	19	KKT	EP	1917	13.4	14.2	3.0
78	08	19	KT7	IPU	1917	14.4	16.0	4.0
78	08	19	KM3	IPU	1917	14.1	15.6	5.0
					1			
78	08	19	KKT	IPD	2036	21.4		3.0
78	08	19	KT7	EP	2036	22.6		4.5
78	08	19	KM3	IP	2036	22.15		5.0
78	08	19	KKT	IPD	2039	27.45		2.8
78	08	19	KT7	EP	2039	28.5	29.9	3.5
78	08	19	KM3	IPU	2039	28.2	29.6	3.0
					1			

78	08	22	KM6	EP	0332	08.6		15.0
78	08	22	KKT	IPD	1629	05.85		3.0
78	08	22	KT7	EP	1629	06.8		3.0
78	08	22	KM3	IPU	1629	06.45		3.0
78	08	22	KKT	IPD	1825	11.2		4.0
78	08	22	KT7	IPU	1825	12.35		4.0
78	08	22	KM3	IPU	1825	12.0		4.0
78	08	23	KM9	EP	0044	10.8		150.0
78	08	23	KKT	EP	0044	11.0		
78	08	23	KIE	EP	0044	11.7		
78	08	23	KTX	EP	0044	10.8		
78	08	23	KT8	EP	0044	11.8		
78	08	23	KT7	EP	0044	10.8		
78	08	23	KM6	EP	0044	10.8		
78	08	23	KM5	EP	0044	11.1		
78	08	23	KT4	EP	0044	13.1		
78	08	23	KM3	EP	0044	10.9		
78	08	23	KM2	EP	0044	12.85		
78	08	23	KKT	IPD	0316	41.7		3.5
78	08	23	KT7	IPU	0316	42.7		3.5
78	08	23	KM3	EP	0316	42.35		3.5
78	08	23	KM9	IPU	1422	58.2		
78	08	23	KKT	EP	2107	35.0	35.6	5.0
78	08	23	KT7	EP	2107	36.5		5.0
78	08	23	KM3	EP	2107	35.9	37.3	5.0
					1			
78	08	23	KT7	IPU	2109	07.3		
78	08	24	KKT	IP	0033	54.0		3.0
78	08	24	KT7	IPU	0033	55.0	56.0	3.0
78	08	24	KM3	IPU	0033	54.7		3.0
78	08	24	KKT	IPU	0546	11.6		3.0
78	08	24	KT7	EP	0546	12.6		3.0
78	08	24	KM3	EP	0546	12.2		3.0
78	08	24	KKT	IPD	0806	40.6		3.0
78	08	24	KKT	IPD	0901	03.4		6.0
78	08	24	KIE	IPD	0901	03.55		4.0
78	08	24	KTX	EP	0901	04.4		4.0
78	08	24	KT7	IPU	0901	04.55		6.0
78	08	24	KM3	IPU	0901	03.9		6.0

78 08 19	KKT	IP	2046	02.4	02.8	4.0
78 08 19	KIE	IP	2046	02.6	03.5	4.0
78 08 19	KTX	EP	2046	03.55		4.0
78 08 19	KT7	IPU	2046	03.6	04.4	4.0
78 08 19	KM3	IP	2046	03.0		4.0
78 08 20	KKT	IPD	0127	31.8		5.0
78 08 20	KT7	IPU	0127	32.7		5.0
78 08 20	KM3	IPU	0127	32.35	33.5	5.0
			1			
78 08 20	KKT	IPD	0307	32.55	33.0	3.0
78 08 20	KT7	IPU	0307	33.75		3.0
78 08 20	KM3	IPD	0307	33.1		3.0
78 08 20	KKT	IPD	0506	50.7		3.5
78 08 20	KT7	EP	0506	51.7		3.5
78 08 20	KM3	IPU	0506	51.35	52.3	3.5
78 08 20	KKT	IPD	0921	57.6		2.5
78 08 20	KKT	IPD	1020	05.7		4.0
78 08 20	KT7	IPU	1020	06.7		4.0
78 08 20	KM3	IPU	1020	06.4	07.3	4.0
78 08 20	KKT	IPD	1134	36.3		2.5
78 08 20	KKT	IPD	1312	40.95		5.0
78 08 20	KT7	IPU	1312	41.9		5.0
78 08 20	KM3	IPU	1312	41.55		5.0
78 08 20	KTX	EP	1312	42.3		4.0
78 08 20	KIE	EP	1312	41.5		4.0
78 08 20	KKT	IP	1328	27.6		5.0
78 08 20	KIE	EP	1328	28.3		4.0
78 08 20	KTX	EP	1328	29.1		4.0
78 08 20	KM3	IPU	1328	28.35		5.0
78 08 20	KKT	IPD	1604	02.15		4.0
78 08 20	KT7	IPU	1604	03.15		4.0
78 08 20	KM3	IPU	1604	02.8	03.7	4.0
78 08 20	KKT	IPD	1607	06.25		3.5
78 08 20	KT7	EP	1607	07.25		3.5
78 08 20	KM3	EP	1607	06.9		3.5
78 08 20	KKT	EP	1659	12.25		20.0
78 08 20	KIE	IPU	1659	11.45		20.0
78 08 20	KTX	IPU	1659	12.0		20.0
78 08 20	KT7	EP	1659	14.15		20.0
78 08 20	KM3	IPD	1659	13.2		20.0
78 08 20	KKT	IPD	1708	22.95		6.0
78 08 20	KIE	EP	1708	23.6		5.0
78 08 20	KTX	EP	1708	24.4		5.0
78 08 20	KT7	IPU	1708	23.95		6.0
78 08 20	KM3	IPU	1708	23.6	24.5	6.0
			1			
78 08 20	KKT	IPD	1733	24.0		
78 08 20	KKT	IPD	1754	33.15		3.0
78 08 20	KT7	IPU	1754	34.15		3.0

TABLE 2

PHASE LIST FOR EVENTS IN SEPTEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 09 04	KM6	EP	2158 33.3		
78 09 05	KKT	IPD	1236 39.0		2.5
78 09 05	KT7	EP	1236 40.25	42.2	3.0
			1		
78 09 06	KT7	EP	0105 39.9		
78 09 06	KTX	EP	0223 12.4		
78 09 06	KIE	EP	0223 12.65		
78 09 06	KKT	EP	0223 13.5		
78 09 06	KT7	EP	0223 13.9		
78 09 06	KM5	EP	0223 15.2		
78 09 06	KT4	EP	0223 13.4		
78 09 12	KM3	IPD	1909 39.9		
78 09 15	KT4	IPD	1151 08.0		
78 09 16	KT4	IPD	2350 52.3		
78 09 17	KM9	EP	1146 22.0		30.0
78 09 17	KM3	EP	1146 26.7		
78 09 19	KTX	EP	2136 37.85		10.0
78 09 19	KM9	EP	2136 43.8		
78 09 19	KM3	EP	2136 39.8		
78 09 20	KKT	IPD	0312 00.45		3.0
78 09 20	KM3	IPD	0312 01.3	02.7	3.0
			1		
78 09 20	KKT	EP	0513 49.9	50.8	3.0
78 09 20	KM3	EP	0513 50.4	51.8	3.0
			1		
78 09 20	KM3	EP	0710 37.65	39.0	3.0
78 09 20	KKT	EP	0710 37.1		3.0
			1		
78 09 20	KKT	EP	0857 10.05		3.0
78 09 20	KM3	EP	0857 10.6	12.1	3.0
			1		
78 09 20	KKT	IPD	0939 37.5		3.0
78 09 20	KIE	EP	0939 37.9	39.2	3.0
78 09 20	KM3	EP	0939 38.0	39.4	3.0
			1		
78 09 20	KKT	IP	0959 24.4		3.5
78 09 20	KM3	IP	0959 24.9	26.4	3.5
			1		
78 09 20	KKT	IP	1515 13.0		3.0
78 09 20	KM3	EP	1515 13.5	14.8	3.0
			1		
78 09 20	KTX	EP	1920 34.3		20.0
78 09 21	KM2	EP	1512 78.2		

78 09 21	KKT	IP	2332	56.5		3.0
78 09 21	KIE	EP	2332	56.95	58.4	3.0
78 09 21	KTX	EP	2332	57.75		3.0
78 09 21	KM3	EP	2332	56.95	58.6	4.0
			1			
78 09 22	KKT	EP	0353	17.65		3.0
78 09 22	KM3	EP	0353	18.2	19.8	3.0
			1			
78 09 22	KM3	EP	0548	41.05	42.4	3.0
78 09 22	KM3	EP	0744	19.0	20.5	3.0
78 09 22	KM3	EP	0830	26.35	27.7	
78 09 22	KKT	EP	0832	35.3		4.0
78 09 22	KIE	EP	0832	35.7	37.2	3.0
78 09 22	KTX	EP	0832	36.7		3.0
78 09 22	KM3	EP	0832	35.9	37.2	4.0
			1			
78 09 22	KKT	IP	0855	14.15		3.
78 09 22	KM3	EP	0855	14.7	16.3	3.0
			1			
78 09 22	KKT	IP	0937	29.15		3.0
78 09 22	KM3	EP	0937	29.85	31.3	3.0
			1			
78 09 22	KKT	IP	1023	46.55		3.0
78 09 22	KIE	EP	1023	47.0		3.0
78 09 22	KM3	EP	1023	47.2	48.6	3.0
			1			
78 09 22	KKT	EP	1049	33.5		3.0
78 09 22	KIF	EP	1049	34.2		3.0
78 09 22	KTX	EP	1049	35.1		3.0
78 09 22	KM3	EP	1049	34.2	35.7	3.0
			1			
78 09 22	KTX	IPD	1649	20.3		
78 09 22	KKT	IPD	2153	08.95		3.0
78 09 22	KIE	EP	2153	09.4		3.0
78 09 22	KM3	IPU	2153	09.55	10.9	4.0
			1			
78 09 23	KKT	IPD	0548	57.6		3.0
78 09 23	KM3	IPU	0548	58.2	59.7	3.0
			1			
78 09 23	KKT	IPU	0755	02.3		3.0
78 09 23	KM3	EP	0755	02.75		3.0
78 09 23	KM9	EP	0819	24.4		
78 09 24	KM2	EP	0404	54.05	54.9	3.0
78 09 24	KKT		1824	13.05	14.3	3.0
78 09 24	KM3		1824	12.6	13.7	3.0
			1			
78 09 26	KKT		1253	43.2		3.0
78 09 26	KM3		1253	44.0	45.3	3.0
78 09 26	KIE		1253	43.7		3.0
78 09 26	KTX		1253	44.3		3.0
			1			
78 09 27	KTX	IPD	0033	18.5		
78 09 27	KKT	IP	0448	29.75		2.5

78	09	27	KM3	IP	0448	30.4	32.0	3.0
					1			
78	09	27	KKT	IPD	0936	46.5		3.2
78	09	27	KM3	IPD	0936	45.35	46.8	3.5
					1			
78	09	27	KKT	IP	1151	23.35		3.0
78	09	27	KM3	IPU	1151	24.00	25.5	3.4
					1			
78	09	27	KM3		1223	20.02		
78	09	27	KT4	IPU	1702	54.40		
78	09	27	KT4	IPD	1722	54		
78	09	29	KTX	EP	1624	47.3		200.+
78	09	29	KM9	IPD	2007	50.2		50.0
78	09	29	KIE	IPD	2007	54.25		
78	09	29	KTX	IPD	2007	55.6		
78	09	29	KT8	IPD	2007	53.25		
78	09	29	KM6	IPD	2007	53.45		
78	09	29	KM5	IPD	2007	53.2		
78	09	29	KT4	IPD	2007	57.9		
78	09	29	KM3	IPD	2007	54.65		
78	09	30	KKT	IPD	0455	11.95		14.0
78	09	30	KIE	IPU	0455	12.5		14.0
78	09	30	KTX	IPD	0455	13.2		10.0
78	09	30	KM3	IPU	0455	12.75	14.1	16.0
					1			
78	09	30	KM9	EP	2331	50.75		30.0
78	09	30	KM2	EP	2331	57.4		
78	09	30	KM3	EP	2331	55.1		
78	09	30	KT4	EP	2331	58.4		
78	09	30	KM5	EP	2331	53.85		
78	09	30	KM6	EP	2331	54.0		
78	09	30	KT7	EP	2331	56.95		

TABLE 2

PHASE LIST FOR EVENTS IN OCTOBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 10 02	KM9	EP	0027 09.75		
78 10 02	KM9	EP	0935 13.5		20.0
78 10 02	KM3	IPD	0935 18.2		
78 10 02	KT4	EP	0935 21.4		
78 10 02	KM6	EP	0935 16.9		
78 10 02	KM9	EP	0958 39.0		25.0
78 10 02	KM3	EP	0958 43.75		
78 10 02	KT4	EP	0958 46.8		
78 10 02	KM6	EP	0958 42.35		
78 10 02	KM9	EP	1125 16.85		40.0
78 10 02	KM2	EP	1125 23.75		
78 10 02	KM3	IPD	1125 21.5		
78 10 02	KT4	EP	1125 24.55		
78 10 02	KM5	EP	1125 19.9		
78 10 02	KM6	EP	1125 20.1		
78 10 02	KT8	EP	1125 19.85		
78 10 02	KTX	EP	1125 22.4		
78 10 02	KIE	EPD	1125 21.0		
78 10 02	KKT	EP	1125 22.55		
78 10 03	KM5	EP	0604 00.85		4.0
78 10 03	KM5	IPU	0612 18.6		17.0
78 10 03	KM2	IPU	0612 20.7		20.0
78 10 03	KT4	IPU	0612 22.2		10.0
78 10 03	KM6	IPU	0612 19.9		13.0
78 10 03	KM9	IPU	0612 20.95		14.0
78 10 03	KM5	IPU	0655 25.4	26.7	5.0
78 10 03	KM6	EP	0655 26.7		5.0
78 10 03	KM9	EP	0655 28.2		5.0
			1		
78 10 04	KTX	EP	0559 24.15		
78 10 04	KKT	EP	1343 04.4	05.4	3.0
78 10 04	KIE	EP	1343 04.9	06.3	3.0
78 10 04	KTX	EP	1343 05.95		3.0
78 10 04	KM3	IPU	1343 05.15	06.6	3.0
			1		
78 10 04	KT4	EP	1646 09.95		
78 10 06	KM9	EP	1250 47.2		
78 10 06	KTX	IPD	1445 18.65	20.2	5.0
78 10 06	KKT	EP	1445 20.75	23.3	4.1
			1		
78 10 06	KM9	IPD	1523 54.95		
78 10 06	KTX	IPU	1839 08.4	09.8	5.5

78 10 05	KKT	EP	1839 08.5	11.4		5.0
			1			
78 10 03	KM2	IPD	1922 03.6			
78 10 10	KM3	IPU	0202 02.2			
78 10 17	KM3	IPD	2021 33.35			
78 10 18	KT4	IPU	2342 52.2			
78 10 19	KM3	IPU	0738 04.6	06.2		5.0
78 10 19	KKT	IP	0738 04.1			3.5
			1			
78 10 20	KM3	IPU	0054 37.5	39.2		5.0
78 10 20	KKT	IP	0054 37.0			3.5
			1			
78 10 20	KM3	IPU	0311 14.0	15.3		5.0
78 10 20	KKT	IP	0311 13.4			3.7
			1			
78 10 23	KM6	EP	2046 24.45			20.0
78 10 25	KM3	IPD	0147 58.85			
78 10 26	KTX	EP	1138 35.00			
78 10 26	KTX	EP	1305 55.90			
78 10 27	KTX	IPD	1016 52.5			
78 10 28	KTX	EP	1019 42.5			
78 10 28	KM2	IPD	2258 53.2			
78 10 29	KTX	IPD	0346 54.5			

TABLE 2

PHASE LIST FOR EVENTS IN NOVEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 11 05	KM9	EP	0650 10.20		
78 11 05	KKT	IPD	0956 06.5		
78 11 05	KM3	IPU	0956 07.0	08.4	3.0
			1		
78 11 05	KKT	IPD	1035 28.2		6.0
78 11 05	KIE	IPU	1035 28.4		6.0
78 11 05	KTX	IPD	1035 29.15	31.0	6.0
78 11 05	KM3	IPU	1035 28.8	30.1	6.0
			1		
78 11 05	KKT	IPD	1421 09.1	10.4	3.0
78 11 05	KM3	EP	1421 08.5		3.0
			1		
78 11 05	KM9	IPD	1625 04.6		
78 11 07	KM3	IPU	0956 07.85	9.3	4.0
78 11 07	KT7	EP	0956 08.5	10.3	5.0
			1		
78 11 08	KT7	EP	0316 32.5	34.3	4.0
78 11 08	KM3	EP	0316 32.0	33.	3.0
			1		
78 11 09	KM9	EP	0044 20.6		
78 11 09	KM9	EP	0409 45.6		
78 11 10	KKT	IPD	1750 59.3		6.0
78 11 10	KIE	IPD	1750 59.6		6.0
78 11 10	KTX	EP	1751 00.4		6.0
78 11 10	KT7	IPU	1751 00.6		6.0
78 11 10	KM3	IPU	1751 00.1	01.2	6.0
			1		
78 11 10	KKT	IPD	2215 23.0		4.0
78 11 10	KT7	EP	2215 23.4	26.0	4.0
78 11 10	KM3	EP	2215 23.7		4.0
			1		
78 11 11	KKT	IPD	0719 02.0		5.0
78 11 11	KT7	EP	0719 03.4		5.0
78 11 11	KM3	IPU	0719 02.9		5.0
78 11 13	KM9	EP	0748 56.5		
78 11 15	KM2	EP	0759 24.75		
78 11 12	KKT	IPD	2148 13.65		5.0
78 11 12	KIE	IPU	2148 13.9		5.0
78 11 12	KTX	EP	2148 14.55		5.0
78 11 12	KT7	IPU	2148 14.8	16.7	5.0
78 11 12	KM3	EP	2148 14.25		5.0
			1		
78 11 17	KKT	IP	0419 35.2		4.0
78 11 17	KIE	EP	0419 35.6		4.0
78 11 17	KT7	EP	0419 36.5		4.0
78 11 17	KM3	EP	0419 35.9	37.1	4.0

				1			
78	11	18	KM9	EP	0137	59.0	
78	11	18	KT7	EP	1544	51.9	
78	11	18	KT4	EP	1902	55.5	
78	11	19	KM5	EP	1917	38.7	
78	11	19	KM3	IPD	2119	55.1	4.5
78	11	19	KT7	IP	2119	56.0	57.2 4.5
78	11	19	KKT	IP	2119	54.4	4.5
				1			
78	11	23	KT7	IP	0725	36.35	38.3 4.0
78	11	23	KKT	IP	0626	59.5	4.0
78	11	23	KT7	IP	0627	00.7	03.1 4.0
78	11	23	KM3	IPU	0627	00.2	01.7 4.0
				1			
78	11	23	KKT	IP	1444	31.95	3.5
78	11	23	KT7	IP	1444	32.95	34.3 3.5
78	11	23	KM3	EP	1444	32.55	34.0 3.5
				1			
78	11	24	KM2	IPU	1332	04.9	70.0
78	11	24	KM3	EP	1332	10.4	
78	11	24	KT4	EP	1332	09.25	
78	11	24	KM6	IPU	1332	03.9	
78	11	24	KT7	EP	1332	10.5	
78	11	24	KM9	IPU	1332	05.0	
78	11	24	KTX	EP	1332	12.6	
78	11	24	KM3	EP	1534	16.8	18.0 5.0
78	11	24	KT7	EP	1534	17.25	5.0
78	11	24	KKT	EP	1534	16.05	5.0
				1			
78	11	26	KTX	EP	0746	00.0	
78	11	27	KM3	IPU	0518	16.6	18.2 7.0
78	11	27	KT7	IPU	0518	17.15	7.0
78	11	27	KTX	IPD	0518	17.05	7.0
78	11	27	KIE	IPD	0518	16.35	7.0
78	11	27	KKT	IP	0518	15.9	7.0
				1			
78	11	29	KM9	EP	0148	03.4	
78	11	29	KT7	EP	1439	57.0	
78	11	29	KM9	EP	1956	43.55	
78	11	29	KTX	EP	2053	41.45	
78	11	29	KTX	EP	2310	23.78	
78	11	30	KTX	EP	1026	34.2	

TABLE 2

PHASE LIST FOR EVENTS IN DECEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
78 12 01	KM3	EP	1740 41.75		3.0
78 12 02	KM6	EP	0540 06.45		
78 12 01	KM9	EP	1336 11.96		
78 12 04	KM9	EP	0113 34.7		
78 12 05	K49	EP	1842 49.12		
78 12 05	KM6	EP	2345 34.15		
78 12 08	KM9	EP	1158 29.0		
78 12 08	KM3	EP	2318 46.72	48.1	4.1
78 12 08	KIE	EP	2318 46.50		4.1
			1		
78 12 09	KM9	EP	0429 04.35		
78 12 11	KTX	EP	0211 35.45		
78 12 11	KM9	EP	0352 00.20		
78 12 13	KM3	IPU	1833 00.3	01.7	10.0
78 12 13	KT7	IPU	1833 00.7		10.0
78 12 13	KTX	IPD	1833 00.75		10.0
78 12 13	KIE	IPD	1833 00.00		10.0
			1		
78 12 14	KM9	EP	1944 54.0		
78 12 16	KM2	EP	1532 58.0		
78 12 16	KM3	IPU	2255 13.25	14.6	6.0
78 12 16	KT7	IPU	2255 13.7		6.0
78 12 16	KTX	IPD	2255 13.65		6.0
78 12 16	KIE	IPD	2255 13.05		6.0
			1		
78 12 18	KM9	EP	0236 25.0		
78 12 19	KM9	EP	0902 44.0		
78 12 20	KM3	IPD	0324 25.4	26.9	7.0
78 12 20	KT7	IPD	0324 25.95		7.0
78 12 20	KTX	EP	0324 26.0		7.0
78 12 20	KIE	IPD	0324 25.15		7.0
			1		
78 12 20	KM3	IPU	1301 44.15	45.6	4.0
78 12 20	KT7	IPU	1301 44.6		4.0
78 12 20	KTX	EP	1301 44.75		4.0
78 12 20	KIE	EP	1301 44.0		4.0
78 12 20	KKT	IPD	1301 43.6	44.3	4.0
			1		
78 12 20	KM3	IPU	1647 23.5	24.9	5.0

78 12 20	KT7	EP	1647 23.9			5.0
			1			
78 12 21	KTX	EP	0048 50.0			
78 12 21	KM9	EP	0125 23.8			
78 12 21	KM3	EP	1044 53.35			3.0
78 12 21	KT7	EP	1044 53.8			3.0
78 12 21	KKT	EP	1044 52.55			3.0
78 12 22	KM3	IPU	0211 03.0		04.4	3.5
78 12 22	KT7	IPD	0211 03.4		05.1	3.5
			1			
78 12 22	KM3	EP	1500 29.4			3.0
78 12 23	KM3	EP	0555 28.7		30.4	3.0
78 12 23	KT7	EP	0555 29.1			3.0
			1			
78 12 24	KKT	IPD	0029 28.9		29.2	2.0
78 12 24	KM3	IPD	0029 29.45		30.8	2.0
			1			
78 12 24	KM3	EP	0421 21.4		22.5	3.5
78 12 24	KT7	EP	0421 21.5		23.2	3.5
			1			
78 12 24	KM3	EP	2321 23.25			
78 12 25	KTX	EP	0340 08.6			
78 12 25	KT7	IPU	2312 34.6			4.0
78 12 25	KTX	EP	2312 34.9			4.0
78 12 25	KM3	IPU	2312 34.25		35.6	4.0
			1			
78 12 26	KTX	IPU	0002 43.2			22.0
78 12 26	KM3	IPD	0913 36.5		37.9	4.5
78 12 26	KT7	IPD	0913 37.0			4.5
78 12 26	KTX	IPD	0913 36.8			4.5
			1			
78 12 27	KM9	EP	1758 14.2			
78 12 27	KM9	EP	1759 44.35			
78 12 27	KM3	IPU	1847 23.45			
78 12 27	KM3	IPD	1946 51.7		53.1	3.5
78 12 27	KT7	IPD	1946 52.1			3.5
			1			
78 12 29	KM3	EP	0842 11.7		13.2	3.5
78 12 29	KT7	EP	0842 12.15		14.0	3.5
			1			
78 12 30	KM9	EP	1726 14.6			
78 12 30	KM3	EP	2240 06.95			3.0
78 12 31	KM3	EP	1700 25.95		27.4	4.0
78 12 31	KT7	EP	1700 26.2			4.0
78 12 31	KIE	EP	1700 25.7			4.0
			1			

TABLE 2

PHASE LIST FOR EVENTS IN JANUARY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 01 01	KM3	IPU	1452 56.75	58.3	3.5
79 01 01	KT7	IP	1452 57.0		3.5
79 01 01	KIE	IPU	1452 56.55		3.5
			1		
79 01 01	KM3	IPD	1915 20.25	21.7	5.0
79 01 01	KIE	IPD	1915 20.10		5.0
79 01 01	KKT	IP	1915 19.45		5.0
			1		
79 01 01	KTX	EP	2317 52.35		
79 01 02	KM3	IPD	1210 23.5	25.0	10.0
79 01 02	KT7	IP	1210 23.85		10.0
79 01 02	KTX	IPD	1210 23.95		8.0
79 01 02	KIE	IPU	1210 23.35		10.0
79 01 03	KIE	IPD	0314 17.20		3.5
79 01 03	KKT	IP	0314 17.10		2.5
79 01 03	KM3	IPU	0314 17.40	19.0	3.5
			1		
79 01 03	KM3	IPU	1429 22.80	24.2	4.0
79 01 03	KIE	IPD	1429 22.60		2.5
			1		
79 01 03	KM3	IPU	1530 21.5	23.1	3.0
79 01 03	KIE	IPD	1530 21.3		3.0
			1		
79 01 03	KM3	IPD	2304 50.25	51.9	3.5
79 01 03	KIE	IPD	2304 50.05		3.5
			1		
79 01 04	KM3	IPU	0328 31.15	32.8	4.0
79 01 04	KIE	IP	0328 31.0		3.0
			1		
79 01 04	KM3	EP	0417 13.9	15.3	3.0
79 01 04	KIE	IPD	0417 13.7	14.8	3.0
			1		
79 01 04	KM3	IPU	0642 05.4	06.8	3.0
79 01 04	KIE	EP	0642 05.35		3.0
			1		
79 01 05	KM3	IPD	0114 54.10	55.3	3.0
79 01 05	KT7	IPD	0114 54.30		3.5
79 01 05	KIE	IPD	0114 53.80		4.0
			1		
79 01 05	KM3	IPD	1022 08.90	10.5	4.5
79 01 05	KIE	IPU	1022 07.50		4.0
			1		
79 01 05	KM3	IPD	1105 00.65	01.9	4.5
79 01 05	KIE	IP	1105 00.45		4.0
79 01 05	KKT	IP	1104 59.75		4.0
			1		
79 01 05	KM3	IPU	1943 22.55	24.5	4.0
79 01 05	KIE	IPU	1943 22.45		4.0
			1		
79 01 05	KM3	IPD	2300 45.10	46.6	5.0
79 01 05	KIE	IPD	2300 45.00		5.0

				1		
79 01 05	KM2	EP	0032	15.45		
79 01 05	KM2	EP	0140	28.90		
79 01 06	KM2	EP	0926	06.50		
79 01 06	KM2	EP	0956	08.70		
79 01 06	KM3	EP	1154	44.00		
79 01 06	KM3	IPU	1204	34.35	35.9	3.0
79 01 06	KIE	IPD	1204	34.30		2.0
				1		
79 01 06	KM3	EP	1637	45.40		
79 01 06	KM3	IPU	2205	58.85	59.8	6.0
79 01 06	KTX	IPU	2205	59.35		4.0
79 01 06	KIE	IPD	2205	58.65		4.0
				1		
79 01 06	KM3	IPD	2234	30.40	31.8	3.0
79 01 06	KIE	IPD	2234	30.1		3.0
				1		
79 01 07	KM2	EP	0100	22.20		
79 01 07	KT4	EP	0038	12.10		
79 01 07	KM3	IPD	0646	32.60	33.6	3.0
79 01 07	KIE	IPD	0646	32.35		3.0
				1		
79 01 07	KM3	IPD	0724	20.20	21.2	3.0
79 01 07	KIE	IPD	0724	20.00		2.5
				1		
79 01 07	KM3	IPU	1022	08.0	09.3	4.0
79 01 07	KIE	IPD	1022	07.7		4.0
				1		
79 01 07	KM3	IPD	1935	36.5	38.1	6.0
79 01 07	KIE	IPD	1935	36.3		5.5
				1		
79 01 08	KM3	IPU	0032	14.7	16.0	5.0
79 01 08	KIE	IPD	0032	14.6		5.0
				1		
79 01 08	KM3	IPD	0235	50.6	52.2	4.5
79 01 08	KIE	IPD	0235	50.5		5.0
				1		
79 01 08	KM3	EP	0808	14.3	15.7	3.5
79 01 08	KIE	IPD	0808	14.1		3.5
				1		
79 01 08	KM3	IPD	1311	17.2	18.8	4.0
79 01 08	KIE	IPD	1311	17.1		4.0
				1		
79 01 08	KM3	IPD	1352	44.6	46.0	4.0
79 01 08	KIE	IPD	1352	44.5		4.0
				1		
79 01 08	KM3	UPD	2319	28.45	30.0	4.5
79 01 08	KIE	IPD	2319	28.3		4.0
				1		
79 01 09	KM3	IPD	0348	08.8	10.4	4.5
79 01 09	KIE	IPD	0348	08.6		4.0
				1		
79 01 09	KM3	IP	1001	20.0	21.6	4.0

79 01 09	KIE	IPD	1001 19.8			4.0
			1			
79 01 09	KM3	IPU	1022 41.2		42.7	6.0
79 01 09	KTX	IP	1022 41.6			6.0
79 01 09	KIE	IPD	1022 41.0			6.0
			1			
79 01 09	KM3	IPD	1144 46.9		48.5	4.0
79 01 09	KIE	IPU	1144 46.75			4.0
			1			
79 01 09	KM3	IPD	2337 04.0		05.5	5.0
79 01 09	KIE	IPU	2337 03.9		05.2	5.0
			1			
79 01 10	KM3	IPU	0106 09.5		11.2	3.5
79 01 10	KIE	IPU	0106 09.4			3.5
			1			
79 01 10	KM3	IPU	0139 32.7		34.1	3.2
79 01 10	KIE	EP	0139 32.6			3.0
			1			
79 01 10	KM3	IPU	0152 28.5		30.0	4.2
79 01 10	KIE	IPU	0152 28.4			4.0
			1			
79 01 10	KM3	IPD	0342 37.85		39.4	3.5
79 01 10	KIE	IPU	0342 37.65			3.5
			1			
79 01 10	KM3	IPU	0411 00.35		01.9	
79 01 10	KIE	EP	0411 00.2			
			1			
79 01 10	KM2	EP	0433 24.0			
79 01 10	KM3	EP	0437 22.6		24.1	3.5
79 01 10	KIE	IPD	0437 22.35			3.5
			1			
79 01 10	KM3	IPU	0620 05.95		07.4	6.0
79 01 10	KIE	IPD	0620 05.8			6.0
			1			
79 01 10	KM3	IPD	0852 49.75		51.3	4.5
79 01 10	KIE	IPU	0852 49.6			4.5
			1			
79 01 10	KM3	EP	0859 09.25		10.8	3.0
79 01 10	KIE	EP	0859 09.15			3.0
			1			
79 01 10	KM3	IPU	0902 18.6		20.1	6.0
79 01 10	KIE	IPU	0902 18.55			6.0
			1			
79 01 10	KM3	IPD	1029 30.4		32.0	3.5
79 01 10	KIE	EP	1029 30.3			3.5
			1			
79 01 10	KM3	EP	1031 18.4			2.5
79 01 10	KM3	IPU	1046 57.75		59.2	4.5
79 01 10	KIE	IPU	1046 57.65		59.2	4.5
			1			
79 01 10	KM3	IPU	1126 14.25		15.8	5.0
79 01 10	KIE	IPU	1126 14.15			5.0
			1			
79 01 10	KM3	EP	1157 31.4			3.0
			1			
79 01 10	KM3	IDD	1216 02.0		03.5	6.0
79 01 10	KIE	IPU	1216 01.85			6.0
			1			
79 01 10	KM3	IPU	1307 27.15		28.7	9.0

79	01	10	KIE	IP	1307	26.95		9.0
79	01	10	KTX	EP	1307	27.65		6.0
					1			
79	01	10	KTX	EP	1328	05.85		
79	01	10	KM3	IPU	1342	33.55	35.0	4.0
79	01	10	KIE	IPU	1342	33.4		4.0
					1			
79	01	10	KM3	IP	1359	20.1	21.5	10.0
79	01	10	KT7	IP	1359	20.5		10.0
79	01	10	KTX	EP	1359	20.6		10.0
79	01	10	KIE	IP	1359	20.0		10.0
79	01	10	KKT	IP	1359	19.4		10.0
					1			
79	01	10	KM3	EP	1421	23.4	24.7	4.0
79	01	10	KIE	IPU	1421	23.3		4.0
					1			
79	01	10	KM3	IPU	1503	58.2	59.7	3.5
79	01	10	KIE	IPD	1503	58.1		3.5
					1			
79	01	10	KM3	EP	1755	35.1		3.0
79	01	10	KM3	IPD	1909	51.9	53.5	4.0
79	01	10	KIE	IPU	1909	51.8		4.0
					1			
79	01	10	KM3	IPD	1934	02.45	04.1	3.5
79	01	10	KIE	IPU	1934	02.35		3.5
					1			
79	01	11	KM3	IPU	0018	54.2	55.8	5.0
79	01	11	KIE	IPU	0018	54.1		5.0
					1			
79	01	11	KM3	EP	0209	51.35	52.8	3.5
79	01	11	KIE	IPD	0209	51.2		3.5
79	01	11	KM3	IPU	0531	42.3	43.7	10.0
79	01	11	KT7	EP	0531	42.7		10.0
79	01	11	KTX	IP	0531	42.85		10.0
79	01	11	KIE	IPD	0531	42.15		10.0
79	01	11	KKT	EP	0531	41.5		10.0
					1			
79	01	11	KM3	EP	0610	13.9	15.2	3.0
79	01	11	KIE	EP	0610	13.85		3.0
					1			
79	01	11	KM2	EP	0647	46.9		
79	01	11	KKT	IPD	0931	56.75	57.6	3.0
79	01	11	KIE	IPD	0931	57.5		3.0
					1			
79	01	11	KKT	IP	1014	34.25	35.1	3.0
79	01	11	KIE	EP	1014	34.85		3.0
					1			
79	01	11	KKT	IP	1208	35.15		10.0
79	01	11	KT7	IP	1208	36.25		10.0
79	01	11	KTX	EP	1208	36.45		10.0
79	01	11	KIE	IP	1208	35.75		10.0
79	01	11	KT7	IP	1328	12.2		12.0
79	01	11	KTX	IP	1328	12.8		12.0
79	01	11	KIE	IP	1328	12.2		12.0
79	01	11	KKT	IP	1328	11.55		12.0

79	01	11	KKT	IPD	1413 26.7		
79	01	11	KTX	EP	1427 04.85		5.0
79	01	11	KIE	IPD	1427 04.2		5.0
79	01	11	KKT	IP	1427 03.6		5.0
79	01	11	KIE	IP	1444 56.1		3.0
79	01	11	KKT	EP	1444 55.45		3.0
79	01	11	KIE	EP	1552 25.0		3.0
79	01	11	KKT	IP	1552 24.3		3.0
79	01	11	KT7	IP	1647 22.55		8.0
79	01	11	KTX	IPD	1647 22.7		8.0
79	01	11	KIE	IP	1647 22.0		8.0
79	01	11	KKT	IP	1647 21.4		8.0
79	01	11	KT7	IP	1810 40.1		5.0
79	01	11	KIE	IPD	1810 39.55		5.0
79	01	11	KKT	IP	1810 38.95		5.0
79	01	11	KKT	IP	1914 13.6		4.0
79	01	11	KIE	IPU	1914 14.25		4.0
79	01	11	KT7	IP	1929 30.4		6.0
79	01	11	KTX	EP	1929 30.6		6.0
79	01	11	KIE	IPD	1929 29.9		6.0
79	01	11	KKT	IP	1929 29.25		6.0
					1		
79	01	11	KKT	IPD	2045 35.85		4.0
79	01	11	KIE	IPU	2045 36.51		4.0
79	01	11	KKT	IPD	2109 45.35	46.0	3.0
79	01	11	KIE	IPU	2109 45.8		3.0
					1		
79	01	12	KM3	IP	0012 04.6		6.0
79	01	12	KT7	IP	0012 05.05		6.0
79	01	12	KTX	EP	0012 05.15		6.0
79	01	12	KIE	IP	0012 04.45		6.0
79	01	12	KM3	IP	0021 49.25		6.0
79	01	12	KT7	IP	0021 49.55		6.0
79	01	12	KTX	EP	0021 49.65		6.0
79	01	12	KIE	IP	0021 49.1		6.0
79	01	12	KKT	IP	0021 48.4	49.7	6.0
					1		
79	01	12	KT7	IP	0208 39.95		5.0
79	01	12	KTX	EP	0208 40.1		5.0
79	01	12	KIE	IPD	0208 39.45		5.0
79	01	12	KIE	IPD	0222 53.25	54.1	4.0
79	01	12	KKT	IPD	0222 53.0		4.0
					1		
79	01	12	KKT	IP	0225 14.1		4.0
79	01	12	KIE	IPU	0225 14.75		4.0
79	01	12	KM3	IP	0259 33.55		6.0
79	01	12	KT7	IP	0259 33.85		6.0
79	01	12	KTX	EP	0259 34.05		6.0
79	01	12	KIE	IPD	0259 33.35		6.0
79	01	12	KKT	IP	0259 32.7		6.0

79	01	12	KTX	EP	0403	32.6	
79	01	12	KIE	IP	0411	24.1	
79	01	12	KIE	IPD	0929	49.95	5.0
79	01	12	KIE	IPD	0920	49.95	4.0
79	01	12	KKT	IPD	0920	48.8	49.9 4.0
					1		
79	01	12	KM3	IP	0939	41.75	10.0
79	01	12	KT7	IP	0939	42.15	10.0
79	01	12	KTX	IP	0939	42.35	10.0
79	01	12	KIE	IP	0939	41.65	10.0
79	01	12	KKT	IP	0939	41.0	10.0
79	01	12	KM3	IPU	1257	12.65	5.0
79	01	12	KTX	EP	1257	13.3	5.0
79	01	12	KIE	IPU	1257	12.55	5.0
79	01	12	KKT	IP	1257	11.9	5.0
79	01	12	KT4	EP	1500	11.9	
79	01	12	KIE	IP	1720	17.0	5.0
79	01	12	KT7	IP	1720	17.5	5.0
79	01	12	KKT	IP	1720	16.4	5.0
79	01	13	KT7	IP	0050	45.50	8.0
79	01	13	KTX	IP	0050	45.8	8.0
79	01	13	KIE	IPD	0050	45.0	8.0
79	01	13	KKT	IP	0050	44.45	8.0
79	01	13	KKT	IPU	0454	43.25	4.0
79	01	13	KIE	EP	0454	43.9	4.0
79	01	13	KIE	IPD	0128	13.5	4.0
79	01	13	KT7	IP	0424	34.8	8.0
79	01	13	KTX	IP	0424	34.95	8.0
79	01	13	KIE	IPD	0424	34.25	8.0
79	01	13	KKT	IP	0612	32.6	4.0
79	01	13	KIE	IPU	0612	33.25	4.0
79	01	13	KTX	EP	0612	34.0	4.0
79	01	13	KT7	IP	0612	33.8	4.0
79	01	13	KKT	IPD	1008	23.75	6.0
79	01	13	KIE	IPD	1008	24.25	6.0
79	01	13	KTX	EP	1008	24.95	6.0
79	01	13	KT7	IP	1008	24.75	6.0
79	01	13	KKT	IP	1236	54.0	5.0
79	01	13	KIE	IPU	1236	54.5	5.0
79	01	13	KTX	EP	1236	55.3	5.0
79	01	13	KT7	IP	1236	55.05	5.0
79	01	13	KKT	IPD	1927	47.45	48.5 3.5
79	01	13	KIE	EP	1927	48.15	3.5
					1		
79	01	13	KM3	IP	2136	28.85	5.0
79	01	13	KT7	IP	2136	29.2	5.0

79	01	13	KTX	EP	2136	29.4		5.0
79	01	13	KIE	IPD	2136	28.7		5.0
79	01	13	KKT	IPD	2136	28.05	29.1	5.0
					1			
79	01	14	KTX	EP	0745	11.55		5.0
79	01	14	KIE	IPU	0745	10.8		5.0
79	01	14	KKT	IPD	0745	10.15		5.0
79	01	14	KIE	EP	0905	52.35		3.5
79	01	14	KKT	IPD	0905	51.9		3.5
79	01	14	KT7	IP	1531	59.45		4.0
79	01	14	KIE	IPD	1531	58.95		4.0
79	01	14	KKT	IPU	1531	58.25		4.0
79	01	14	KT8	EP	1927	29.7		
79	01	15	KIE	EP	0501	14.5		
79	01	15	KIE	IPD	1338	13.0		5.0
79	01	15	KKT	IP	1338	12.3		5.0
79	01	15	KT7	IP	1338	13.3		5.0
79	01	15	KKT	IPD	1920	10.5		4.0
79	01	15	KIE	IPD	1920	11.0		4.0
79	01	15	KTX	IPU	1920	12.5		4.0
79	01	16	KIE	IPD	0935	06.8		5.0
79	01	16	KTX	IPU	0935	07.6		5.0
79	01	16	KT7	IP	0935	07.2		5.0
79	01	16	KT7	IP	2103	56.4		5.0
79	01	16	KIE	IPU	2103	55.65		5.0
79	01	16	KTX	IPU	2103	55.45		5.0
79	01	16	KKT	IPD	2103	55.25		5.0
79	01	16	KT7	IP	2123	50.33		3.0
79	01	16	KIE	IPD	2123	50.24		3.0
79	01	16	KKT	IPU	2123	50.20		3.0
79	01	17	KM3	EP	0813	29.1		5.0
79	01	17	KT7	EP	0813	29.7		5.0
79	01	17	KIE	EP	0813	30.4		5.0
79	01	17	KKT	EP	0813	30.0		5.0
79	01	17	KTX	IP	0908	47.6		4.0
79	01	17	KIE	IPD	0908	46.50		4.0
79	01	17	KKT	IP	0908	46.45		4.0
79	01	17	KIE	IP	1657	01.2		8.0
79	01	17	KT7	IPD	1657	03.9		8.0
79	01	17	KTX	IPU	1656	59.9		8.0
79	01	17	KT7	IPD	1905	23.1		4.0
79	01	17	KTX	IPU	1905	23.2		4.0
79	01	17	KIE	IP	1905	22.55		4.0
79	01	17	KT7	IP	2219	34.3		4.5
79	01	17	KTX	IP	2219	34.4		4.5
79	01	17	KIE	IPD	2219	33.8		4.5
79	01	17	KKT	IP	2219	33.15		4.5

79	01	18	KT7	IPU	0425 07.1		4.0
79	01	18	KM3	IPU	0425 07.6		4.0
79	01	18	KTX	IPD	0425 07.75		4.0
79	01	18	KIE	IPD	0425 06.8		4.0
79	01	18	KT4	EP	1408 49.0		2.5
79	01	18	KT5	EP	1408 48.45		2.5
79	01	18	KT7	EP	1408 48.95		2.5
79	01	18	KIE	EP	1408 49.3		2.5
79	01	18	KM2	EP	1411 19.1		5.0
79	01	18	KT4	EP	1411 18.9		5.0
79	01	18	KT7	EP	1411 18.8		5.0
79	01	18	KTX	EP	1411 20.1		5.0
79	01	18	KIE	EP	1411 20.2		5.0
79	01	18	KT8	IPD	1611 04.7	07.6	19.0
79	01	18	KT8	IPD	1611 04.7	07.	19.0
79	01	18	KT4	IPD	1611 07.0		16.0
79	01	18	KIE	IPU	1611 02.7		19.0
					1		
79	01	18	KIE	IPD	1721 35.85	36.3	6.5
79	01	18	KTX	IPU	1721 36.7		4.5
79	01	18	KT7	IP	1721 36.6		7.0
					1		
79	01	18	KTX	IPU	1846 19.85	20.4	6.0
79	01	18	KIE	IPD	1846 19.15		10.0
79	01	18	KKT	IP	1846 18.55		8.0
79	01	18	KIE	IPD	1938 14.1	14.6	4.0
79	01	18	KTX	IPD	1938 14.95		4.0
79	01	18	KT7	IP	1938 14.6		5.0
79	01	18	KIE	IPD	1942 10.2		4.0
79	01	18	KTX	IP	1942 11.2		4.0
79	01	18	KT7	IP	1942 11.05		4.0
79	01	19	KKT	IPD	0029 38.1		4.0
79	01	19	KIE	IPU	0029 38.8		4.0
79	01	19	KTX	IPU	0029 39.4		4.0
79	01	19	KT7	IP	0029 39.3		4.0
79	01	19	KKT	IP	0109 39.8		8.0
79	01	19	KIE	IP	0109 40.45		8.0
79	01	19	KT7	IP	0109 40.09		8.0
79	01	19	KTX	IP	0109 40.2		8.0
79	01	19	KKT	IPD	0822 14.25		4.0
79	01	19	KIE	IP	0822 15.0		4.0
79	01	19	KTX	IP	0822 15.65		4.0
79	01	19	KT7	IP	0822 15.4		4.0
79	01	19	KIE	IPD	1551 46.7		4.0
79	01	19	KTX	IP	1551 47.6		4.0
79	01	19	KT7	IPU	1551 47.15		4.0
79	01	19	KM3	IPD	1551 46.95		4.0
79	01	19	KIE	IPD	1557 37.55		4.5
79	01	19	KTX	IP	1557 38.2		4.5
79	01	19	KT7	IP	1557 37.95		4.5

79 01 19	KM3	IP	1557 37.8			4.5
79 01 20	KTX	EP	0638 14.4			
79 01 21	KIE	EP	1242 18.25			
79 01 22	KIE	IPU	0339 58.2		59.2	5.5
79 01 22	KTX	IPU	0339 59.0			3.5
			1			
79 01 22	KM2	EP	0432 50.4			
79 01 24	KIE	IP	1154 10.35			4.0
79 01 24	KTX	IP	1154 10.9			4.0
79 01 24	KM3	IPU	1154 10.45			4.0
79 01 24	KIE	EP	1542 42.2			4.0
79 01 24	KTX	EP	1542 42.3			4.0
79 01 24	KT7	EP	1542 42.15			4.0
79 01 24	KIE	IPD	2037 03.35			4.5
79 01 24	KTX	IPU	2037 03.8			4.5
79 01 24	KM3	IPD	2037 3.45			4.5
79 01 25	KM3	EP	1715 03.9			
79 01 25	KM3	EP	2114 13.6			
79 01 26	KKT	IPD	0019 42.8			4.0
79 01 26	KIE	IPD	0019 43.5		45.7	4.0
79 01 26	KTX	IPD	0019 44.35			4.0
79 01 26	KM3	IPD	0019 43.6		45.0	4.0
			1			
79 01 26	KIE	EP	0118 27.9			
79 01 26	KIE	IPD	0142 43.95			4.5
79 01 26	KTX	IP	0142 45.0			4.5
79 01 26	KM3	IPU	0142 43.5			4.5
79 01 26	KIE	IPD	0526 07.8		09.3	4.0
79 01 26	KTX	IPD	0526 08.45			4.0
79 01 26	KM3	IPD	0526 07.95			4.0
			1			
79 01 26	KM3	EP	1007 59.1			
79 01 26	KIE	EP	1212 14.25			
79 01 26	KIE	EP	1714 08.65			
79 01 26	KM3	EP	2021 03.95			
79 01 27	KM3	IPU	0159 47.7		49.3	4.0
79 01 27	KIE	EP	0159 47.85			4.0
			1			
79 01 27	KM3	IPU	0624 47.6		49.2	4.0
79 01 27	KIE	EP	0624 47.55			4.0
			1			
79 01 27	KT4	IPU	1906 23.9			
79 01 27	KM3	IPD	2107 30.6		32.0	5.0
79 01 27	KIE	EP	2107 30.3			5.0
			1			

79	01	27	KM3	IPD	2145 08.0	09.4	5.0
79	01	27	KIE	IPD	2145 07.8		5.0
					1		
79	01	28	KM3	IPD	0226 34.0		
79	01	28	KM3	IPU	0237 19.4	21.0	4.0
79	01	28	KIE	IPD	0237 19.5		4.5
					1		
79	01	28	KT8	EP	1955 14.0		
79	01	29	KKT	IP	0834 37.5		4.0
79	01	29	KIE	IP	0834 38.0		4.0
79	01	29	KTX	IP	0834 38.6		4.0
79	01	29	KM3	IP	0834 38.1		4.0
79	01	29	KT7	EP	1825 1090		
79	01	31	KTX	EP	1248 32.3		

TABLE 2

PHASE LIST FOR EVENTS IN FEBRUARY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 02 01	KKT	IP	0503 16.0	6.5	2.0
79 02 01	KTX	IP	0503 17.4	6.5	2.0
			1		
79 02 08	KT7	EP	2003 00.0		
79 02 09	KKT	IP	0155 57.5		6.0
79 02 09	KTX	IP	0155 58.7		6.0
79 02 09	KT7	IP	0155 52.3		6.0
79 02 09	KM3	IP	0155 58.0	9.3	6.0
79 02 09	KT7	EP	1315 10.0		
79 02 09	KTX	EP	2212 34.4		5.0
79 02 09	KN9	EP	2212 32.4		5.0
79 02 09	KT8	EP	2212 34.3		5.0
79 02 09	KT7	EP	2212 35.9		5.0
79 02 09	KM5	EP	2212 36.5		5.0
79 02 10	KKT	EP	0046 43.3		4.0
79 02 10	KTX	EP	0046 44.8		4.0
79 02 10	KT7	EP	0046 44.0		4.0
79 02 10	KM3	EP	0046 43.9		4.0
79 02 11	KT7	EP	2240 58.5		
79 02 12	KT8	EP	1705 40.0		
79 02 13	KT7	EP	0542 30.0		
79 02 13	KM3	EP	2230 46.4		
79 02 14	KKT	IP	1706 50.4		4.0
79 02 14	KIE	IPD	1706 50.65		4.0
79 02 14	KTX	IP	1706 50.45		4.0
79 02 14	KT7	IPD	1706 51.6		4.0
79 02 14	KM3	IP	1706 51.05		4.0
79 02 15	KKT	IPD	0159 48.3		5.0
79 02 15	KIE	IPD	0159 48.65		5.0
79 02 15	KTX	IP	0159 49.45		5.0
79 02 15	KT7	IP	0159 49.5		5.0
79 02 15	KM3	IPU	0159 48.8		5.0
79 02 15	KTX	EP	2058 50.15		
79 02 15	KM3	EP	2058 50.15		
79 02 16	KM3	EP	1018 29.4		
79 02 16	KM2	EP	2227 58.55		
79 02 17	KM3	IPU	0839 48.4		3.5
79 02 17	KT7	IPU	0839 48.9	49.3	3.5

79 02 17	KM3	IPD	1037 08.1	09.3		3.5
79 02 17	KT7	IPU	1037 08.6			6.5
79 02 17	KIE	IPU	1037 07.85			6.5
79 02 17	KKT	IPD	1037 07.4			2.5
				1		
79 02 17	KM6	EP	1550 59.35			
79 02 21	KKT	IP	1652 45.7			4.0
79 02 21	KIE	IPD	1652 46.25			5.0
79 02 21	KTX	IP	1652 46.85			5.0
79 02 21	KT7	IP	1652 46.85			5.0
79 02 21	KM3	IP	1652 46.45			5.0
79 02 21	KKT	IPD	1723 41.95			3.0
79 02 21	KIE	IP	1723 42.35			6.0
79 02 21	KTX	IPD	1723 43.05			4.0
79 02 21	KT7	IP	1723 42.10			6.0
79 02 22	KM3	IPU	0123 12.45	13.5		8.0
79 02 22	KKT	IP	0123 11.6			3.0
79 02 22	KIE	IPU	0123 12.1			10.0
			1			
79 02 22	KT7	IPU	0400 49.1	59.7		4.0
79 02 22	KM3	IPU	0400 48.65			2.5
79 02 22	KM3	IPD	0840 44.1	45.4		3.0
79 02 22	KT7	IPU	0840 44.4			4.5
			1			
79 02 22	KM3	EP	0919 28.5			
79 02 22	KIE	IPD	0956 49.55			.5
79 02 22	KT7	IPU	0956 50.35	51.6		4.5
79 02 22	KM3	IPD	1106 25.7	27.0		
79 02 22	KT7	IPU	1106 26.2			14.0
79 02 22	KTX	IPU	1106 26.2			6.0
79 02 22	KKT	IPD	1106 25.01			3.5
			1			
79 02 22	KM3	IPD	1252 33.1	34.4		4.0
79 02 22	KT7	IPU	1252 33.5			5.0
79 02 22	KIE	IPD	1252 32.7			4.5
			1			
79 02 22	KM3	IPD	1444 00.7			3.0
79 02 22	KT7	IPU	1444 00.9	02.5		4.0
			1			
79 02 22	KM3	IPD	1456 15.25			4.0
79 02 22	KT7	IPU	1456 15.8	18.0		6.0
79 02 22	KIE	IPD	1456 14.9			6.0
79 02 22	KTX	IPU	1456 15.65			3.5
			1			
79 02 22	KT4	EP	1601 18.7			
79 02 22	KM3	IPU	1614 17.2	18.7		6.0
79 02 22	KT7	IPU	1614 17.7			8.5
79 02 22	KIE	IPD	1614 16.95			7.0
79 02 22	KKT	IPD	1614 16.60			2.5
			1			
79 02 22	KTX	EP	1736 51.0			
79 02 22	KIE	EP	2255 29.99			

79 02 23	KKT	IP	0049 16.9			4.0
79 02 23	KIE	IP	0049 17.25			6.0
79 02 23	KTX	IP	0049 18.1			4.0
79 02 23	KT7	IPJ	0049 18.2			6.0
79 02 23	KM3	IPU	0049 17.5			4.0
79 02 23	KTX	IP	0711 47.4			4.0
79 02 23	KKT	IP	0711 46.15			4.0
79 02 23	KIE	IP	0711 46.8			6.0
79 02 23	KT7	IP	0711 47.4			4.0
79 02 23	KM3	IP	0711 46.9			4.0
79 02 23	KKT	IP	0754 53.85			4.0
79 02 23	KIE	IP	0754 54.15			4.0
79 02 23	KTX	IP	0754 54.85			4.0
79 02 23	KT7	IP	0754 54.5			4.0
79 02 23	KM3	IP	0754 54.4			4.0
79 02 23	KIE	EPU	0842 10.8		12.1	6.0
79 02 23	KTX	IP	0842 11.45			6.0
79 02 23	KT7	IPU	0842 11.6			6.0
79 02 23	KM3	IPD	0842 11.1		12.6	4.0
			1			
79 02 23	KIE	IPD	0959 23.95			5.0
79 02 23	KTX	IP	0959 24.7			5.0
79 02 23	KT7	IP	0959 24.55			5.0
79 02 23	KM3	IPU	0959 24.1		25.6	5.0
			1			
79 02 23	KIE	IPD	1052 09.3			6.0
79 02 23	KTX	IP	1052 10.0			4.0
79 02 23	KT7	IP	1052 10.0			6.0
79 02 23	KM3	IP	1052 09.6			4.0
79 02 23	KIE	IPD	1358 40.1			4.0
79 02 23	KTX	IP	1358 40.85			4.0
79 02 23	KT7	IPU	1358 40.95			5.5
79 02 23	KM3	IPD	1358 40.45			4.0
79 02 23	KM3	IPU	2116 07.25		08.7	4.5
79 02 23	KT7	IPU	2116 07.75			4.5
79 02 23	KIE	IPD	2116 06.95			4.5
			1			
79 02 23	KM3	IPU	2151 07.45		08.9	3.5
79 02 23	KT7	IPU	2151 07.95			3.5
79 02 23	KIE	IPD	2151 07.15			3.5
			1			
79 02 23	KM3	IPU	2202 24.35		25.8	
79 02 23	KT7	IPU	2202 24.9			4.0
79 02 23	KIE	IPD	2202 24.9			4.0
			1			
79 02 23	KM3	IPU	2223 45.2		46.7	4.0
79 02 23	KT7	IPU	2223 45.75			4.0
79 02 23	KIE	IPD	2223 44.9			4.0
			1			
79 02 24	KM3	IPU	0000 07.25		08.7	3.0
79 02 24	KT7	IPD	0000 07.70			3.0
			1			
79 02 24	KM3	IPU	0017 26.0		27.4	4.0
79 02 24	KT7	IPU	0017 26.5			4.0
79 02 24	KIE	IPD	0017 25.7			4.0
			1			

79 02 24	KM3	IPU	0033 41.35			3.5
79 02 24	KT7	IPU	0033 41.9		43.2	3.5
			1			
79 02 24	KM3	IPU	0110 23.7		25.0	4.0
79 02 24	KT7	IPU	0110 24.15			4.0
79 02 24	KIE	IPD	0110 23.45			4.0
			1			
79 02 24	KM3	IPD	0518 13.6		14.8	5.0
79 02 24	KT7	IPU	0518 14.05			5.0
79 02 24	KIE	IPU	0518 13.25			5.0
			1			
79 02 24	KM3	IPU	0858 32.65		33.7	5.0
79 02 24	KT7	IPU	0858 33.1			5.0
79 02 24	KIE	IPD	0858 32.35			5.0
79 02 24	KKT	IPD	0858 31.9			5.0
			1			
79 02 24	KM3	IPU	0925 00.85		02.3	4.5
79 02 24	KT7	IPD	0925 01.3			4.5
79 02 24	KTX	IPU	0925 01.25			4.5
			1			
79 02 24	KM3	IPU	1138 05.1		06.5	4.0
79 02 24	KT7	IPU	1138 05.5			4.0
79 02 24	KTX	IPD	1138 05.5			4.0
79 02 24	KIE	IPD	1138 04.75			4.0
			1			
79 02 24	KM3	IPU	2040 09.3		11.3	3.5
79 02 24	KT7	IPU	2040 10.3			3.5
79 02 24	KIE	IPD	2040 09.55			3.5
			1			
79 02 25	KM3	IPU	0112 27.75			4.0
79 02 25	KKT	IP	0112 27.4			4.0
79 02 25	KIE	IP	0112 28.15			4.0
79 02 25	KT7	IP	0112 28.25			4.0
79 02 25	KKT	IPD	0526 36.7			3.5
79 02 25	KIE	IP	0526 37.5			3.5
79 02 25	KT7	IPU	0526 37.5			3.5
79 02 25	KM3	IP	0526 37.2			3.5
79 02 25	KKT	IP	0637 33.6			4.0
79 02 25	KT7	IP	0637 34.3			4.0
79 02 25	KM3	IP	0637 34.0		35.1	4.0
			1			
79 02 25	KKT	IP	0718 32.2			7&5
79 02 25	KIE	IP	0718 32.7			7.5
79 02 25	KTX	IP	0718 33.35			7.5
79 02 25	KT7	IPD	0718 33.45			7.5
79 02 25	KM3	IP	0718 33.1			7.5
79 02 25	KIE	IPU	0824 45.4			3.5
79 02 25	KT7	IPU	0824 46.0			3.5
79 02 25	KM3	EP	0824 45.6			3.5
79 02 25	KM3	IP	1131 58.75		60.3	4.0
79 02 25	KT7	IPD	1131 59.1			4.0
			1			
79 02 25	KM3	IPD	1136 17.2		18.6	5.0
79 02 25	KIE	IP	1136 16.9			5.0
79 02 25	KTX	IPD	1136 17.5			5.0
79 02 25	KT7	IPD	1136 17.6			5.0
79 02 25	KKT	IPU	1136 16.5			5.0

			1			
79 02 25	KM3	IPU	1226	01.0		5.0
79 02 25	KT7	IPU	1226	01.4		5.0
79 02 25	KTX	IPU	1226	01.2		5.0
79 02 25	KIE	IPD	1226	00.5		5.0
79 02 25	KM3	IPU	1240	36.9	38.3	5.0
79 02 25	KT7	IPU	1240	37.4		5.0
79 02 25	KTX	IPU	1240	37.45		5.0
79 02 25	KIE	IP	1240	36.65		5.0
79 02 25	KKT	EP	1240	36.2		5.0
			1			
79 02 25	KM3	IP	1313	54.0	55.1	5.5
79 02 25	KT7	IPU	1313	54.25		5.5
79 02 25	KTX	IPU	1313	54.2		5.5
79 02 25	KIE	IP	1313	53.7		5.5
79 02 25	KKT	IPD	1313	53.2		5.5
			1			
79 02 25	KM3	IPU	1340	03.2	04.5	4.5
79 02 25	KT7	IPU	1340	03.6		4.5
79 02 25	KIE	IPD	1340	02.9		4.5
79 02 25	KKT	EP	1340	02.45		4.5
			1			
79 02 25	KM3	EP	1426	57.7		3.5
79 02 25	KT7	IP	1426	58.0		3.5
79 02 25	KIE	IPD	1426	57.4		3.5
79 02 25	KT7	IPU	1737	48.4		5.5
79 02 25	KIE	IPD	1737	47.75		5.0
79 02 25	KM3	IPU	1737	48.0	49.5	5.5
			1			
79 02 25	KM3	IPU	1913	38.5		6.0
79 02 25	KT7	IP	1913	39.05		6.0
79 02 25	KTX	IP	1913	39.0		6.0
79 02 25	KIE	IP	1913	38.25		6.0
79 02 25	KKT	IPD	1913	37.85		4.0
79 02 25	KT7	IPU	1934	41.6		6.0
79 02 25	KM3	IP	1934	41.1	42.6	4.0
79 02 25	KIE	IP	1934	40.9		5.0
			1			
79 02 26	KIE	IPU	0255	48.95		4.0
79 02 26	KT7	IP	0255	49.80	51.5	4.0
79 02 26	KIE	IPU	0334	37.9		6.0
79 02 26	KT7	IPU	0334	38.8		5.0
79 02 26	KM3	IPD	0334	38.25	39.8	4.0
79 02 26	KTX	IP	0334	38.8		2.5
			1			
79 02 26	KTX	IPD	0431	29.0	30.5	4.0
79 02 26	KIE	IPD	0431	28.3		4.5
79 02 26	KT7	IPU	0431	29.05		5.0
			1			
79 02 26	KIE	IPD	0520	17.7		4.0
79 02 26	KM3	IPD	0520	18.2	20.0	4.0
			1			
79 02 26	KIE	IPD	0740	36.25		8.0
79 02 26	KTX	IP	0740	37.0		5.0
79 02 26	KT7	IP	0740	37.05		6.0
79 02 26	KM3	IPU	0740	36.65	38.0	4.0
			1			

79 02 26	KM3	IP	0742 46.3	47.9		5.0
79 02 26	KIE	IP	0742 46.05			5.0
79 02 26	KTX	IP	0742 46.75			4.0
79 02 26	KT7	IP	0742 46.81			5.0
			1			
79 02 26	KTX	IP	0830 00.3			4.0
79 02 26	KIE	IP	0829 59.50			4.0
79 02 26	KT7	IP	0830 00.35			4.0
79 02 26	KM3	IPU	0829 59.8	62.1		5.0
			1			
79 02 26	KIE	IPD	0938 22.35			5.0
79 02 26	KT7	IPU	0938 22.1	23.9		5.0
			1			
79 02 26	KIE	IP	1810 16.8			4.0
79 02 26	KTX	IP	1810 17.85			4.0
79 02 26	KT7	IP	1810 17.9			5.0
79 02 26	KM3	IP	1810 16.9			4.0
79 02 26	KM3	IP	1934 42.51			5.0
79 02 26	KT7	IPU	1934 41.6			5.0
79 02 26	KIE	IPD	1934 42.2			6.0
79 02 26	KTX	IP	1934 42.0			4.0
79 02 26	KM6	EP	2218 51.5			
79 02 27	KIE	IPD	0006 25.25	26.6		4.0
79 02 27	KT7	IPU	0006 26.1			4.0
79 02 27	KM3	IPD	0006 25.55			3.0
			1			
79 02 27	KM3	IPU	0141 21.1	22.6		3.0
79 02 27	KT7	IPU	0141 21.6			4.5
79 02 27	KIE	IPD	0141 20.85			4.0
			1			
79 02 27	KM3	IPD	0215 32.35	35.8		4.0
79 02 27	KT7	IPD	0215 32.85			4.5
79 02 27	KIE	IPU	0215 32.0			2.5
			1			
79 02 27	KM3	IP	0437 50.00	51.4		6.5
79 02 27	KIE	IPD	0437 49.8			11.0
79 02 27	KT7	IPD	0437 50.5			12.5
			1			
79 02 27	KM3	IPD	0719 52.8	54.1		3.5
79 02 27	KT7	IPU	0719 53.25			4.5
			1			
79 02 27	KM3	IPD	0907 18.6			3.0
79 02 27	KT7	IPU	0907 19.05	20.3		4.0
79 02 27	KIE	IPD	0907 18.3			3.5
			1			
79 02 27	KM3	IPD	1101 24.6			2.5
79 02 27	KT7	IPU	1101 25.1	26.4		4.0
79 02 27	KIE	IPU	1101 24.3			2.0
			1			
79 02 27	KM3	IPU	1133 36.8	37.9		5.0
79 02 27	KT7	IPU	1133 37.25			8.0
79 02 27	KIE	IPD	1133 36.5			10.0
79 02 27	KKT	IPD	1133 36.0			3.0
			1			
79 02 27	KIE	IPD	1221 31.0			4.0
79 02 27	KT7	IPU	1221 31.8			4.5
79 02 27	KM3	IPD	1221 31.25	32.7		3.0
			1			

79	02	27	KT7	IP	1911	18.0		4.5
79	02	27	KTX	IP	1911	17.8		4.0
79	02	27	KIE	IP	1911	16.7		4.5
79	02	27	KKT	IPD	1911	16.7		4.0
79	02	28	KM3	IP	0456	04.3		8.0
79	02	28	KT7	IP	0456	04.7		6.0
7	92	28	KTX	IP	0456	05.05		4.0
79	02	28	KIE	IP	0456	04.05		4.0
79	02	28	KM3	IPD	0804	17.1		5.0
79	02	28	KT7	IP	0804	17.5		5.0
79	02	28	KTX	IP	0804	17.45		6.0
79	02	28	KIE	IPD	0804	16.7		6.0
79	02	28	KIE	EP	1416	13.0		
79	02	28	KIE	IP	1704	51.45		4.0
79	02	28	KTX	IP	1704	52.3		4.0
79	02	28	KT7	IP	1704	52.15		4.0
79	02	28	KM3	IP	1704	51.7		4.0
79	02	28	KIE	EP	1713	12.2		
79	02	28	KIE	IP	1933	36.2		6.0
79	02	28	KTX	IP	1933	36.7		6.0
79	02	28	KT7	IPU	1933	37.0		8.0
79	02	28	KM3	IPD	1933	36.55	38.0	6.0
					1			
79	02	28	KIE	EP	2013	44.4		
79	02	28	KIE	IPD	2055	23.2		5.0
79	02	28	KTX	IP	2055	23.85		5.0
79	02	28	KT7	IPU	2055	23.9		8.0
79	02	28	KM3	IPU	2055	23.4	24.9	5.0
					1			
79	02	28	KT4	EP	2134	26.7		
79	02	28	KIE	EP	0322	28.95		
79	02	28	KT1	EP	0716	11.6		

TABLE 2

PHASE LIST FOR EVENTS IN MARCH

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 03 01	KKT	IP	2130 03.65		2.0
79 03 01	KIE	IPD	2130 04.05		6.0
79 03 01	KTX	IPU	2130 04.65		4.0
79 03 01	KT7	IP	2130 04.70		8.0
79 03 01	KM3	IPU	2130 04.25	05.7	6.0
			1		
79 03 01	KKT	IPD	2345 39.85		5.0
79 03 01	KIE	IPD	2345 40.35		8.0
79 03 01	KTX	IPD	2345 41.00		6.0
79 03 01	KT7	IPU	2345 41.10		6.0
79 03 01	KM3	EPU	2345 40.70	42.	6.0
			1		
79 03 02	KKT	IP	0939 59.75		4.0
79 03 02	KIE	IP	0940 00.05		8.0
79 03 02	KTX	IP	0940 00.90		6.0
79 03 02	KM3	IPD	0940 00.5	01.9	6.0
			1		
79 03 02	KKT	IPD	1103 52.20		3.0
79 03 02	KIE	IPD	1103 53.05		8.0
79 03 02	KTX	IPU	1103 54.00		6.0
79 03 02	KT7	IP	1103 54.05		6.0
79 03 02	KM3	IPD	1103 53.40		6.0
			1		
79 03 02	KKT	IPD	1639 16.25		3.0
79 03 02	KIE	IPD	1639 16.75		8.0
79 03 02	KT7	IPU	1639 17.50		6.0
79 03 02	KM3	IPU	1639 17.10	18.5	6.0
79 03 02	KTX	IPD	1639 17.50		6.0
			1		
79 03 02	KIE	IPD	2220 08.6		6.0
79 03 02	KM3	IPU	2220 08.8	13.5	6.0
			1		
79 03 03	KKT	IPD	0147 06.70		3.0
79 03 03	KIE	IPD	0147 07.15		6.0
79 03 03	KTX	IPD	0147 07.70	09.7	4.0
79 03 03	KT7	IPU	0147 07.80		8.0
79 03 03	KM3	IPU	0147 07.45	08.9	6.0
			1		
79 03 03	KKT	IPL	0214 26.75		4.0
79 03 03	KIE	IPD	0214 27.05		6.0
79 03 03	KTX	IP	0214 27.80		6.0
79 03 03	KT7	IP	0214 27.80		6.0
79 03 03	KM3	IPD	0214 27.40	29.0	4.0
			1		
79 03 03	KKT	IP	0731 29.35		3.0
79 03 03	KIE	IPD	0731 29.85		8.0
79 03 03	KM3	IP	0731 30.5	32.0	5.0
79 03 03	KIE	IPD	0834 47.60		7.0
79 03 03	KTX	IPU	0834 48.20		6.0
79 03 03	KT7	IP	0834 48.20		6.0
79 03 03	KM3	IPU	0834 47.65	49.2	6.0
			1		

79	03	03	KIE	IPD	1321	23.05		4.5
79	03	03	KTX	IP	1321	28.65		4.5
79	03	03	KT7	IP	1321	28.65		4.5
79	03	03	KM3	IP	1321	28.25	29.7	4.5
					1			
79	03	03	KKT	IP	1832	37.2	38.0	5.5
79	03	03	KIE	IPD	1832	37.8-		11.0
79	03	03	KTX	IPU	1832	38.5		8.0
79	03	03	KM3	IPU	1832	38.0		8.0
					1			
79	03	03	KIE	IPD	2335	07.1	08.6	6.0
79	03	03	KTX	IP	2335	07.7		5.0
79	03	03	KT7	IPU	2335	07.8		6.0
79	03	03	KM3	IPD	2335	07.3		5.0
					1			
79	03	03	KIE	IPD	2345	07.9		6.0
79	03	03	KTX	IPU	2345	08.5		5.0
79	03	03	KT7	IPU	2345	08.6		6.0
79	03	03	KM3	IP	2345	08.0	09.5	5.0
					1			
79	03	04	KKT	IP	0039	24.7		5.0
79	03	04	KIE	IP	0039	25.2		12.0
79	03	04	KTX	IPU	0039	26.0		10.0
79	03	04	KT7	IP	0039	25.95		9.0
79	03	04	KM3	IPU	0039	25.5		12.0
79	03	04	KT4	IP	0039	29.6		12.0
79	03	04	KIE	IP	0514	19.6		5.0
79	03	04	KTX	IP	0514	20.4		6.0
79	03	04	KT7	IPU	0514	20.45		5.0
79	03	04	KM3	IP	0514	20.0	21.4	5.0
					1			
79	03	04	KIE	IPD	0956	10.4		4.0
79	03	04	KTX	IP	0956	11.05		4.0
79	03	04	KT7	IPU	0956	11.15	13.5	5.0
					1			
79	03	04	KIE	IP	1004	50.6		5.0
79	03	04	KTX	IP	1004	51.6		3.0
79	03	04	KT7	IPD	1004	51.55		5.0
79	03	04	KM3	IP	1004	51.45	52.6	5.0
79	03	04	KIE	IPD	1209	55.2	57.0	7.0
79	03	04	KTX	IP	1209	56.0		5.0
79	03	04	KT7	IPU	1209	56.15		7.0
79	03	04	KM3	IPU	1209	55.55		4.5
					1			
79	03	04	KIE	IPD	1407	39.4		6.0
79	03	04	KTX	IP	1407	40.2		4.0
79	03	04	KT7	IPU	1407	40.25		6.0
79	03	04	KM3	IP	1407	39.85	41.5	4.0
					1			
79	03	04	KIE	IPD	1451	43.7		5.0
79	03	04	KTX	IP	1451	44.3		4.0
79	03	04	KT7	IPU	1451	44.4		6.0
79	03	04	KM3	IPU	1451	44.0	45.2	5.0
					1			
79	03	04	KIE	IPD	1546	48.6		6.0
79	03	04	KT7	IPU	1546	49.3		6.0
79	03	04	KTX	IP	1546	49.35		4.0
79	03	04	KM3	IPD	1546	48.9	50.5	4.0
					1			

79 03 04	KIE	IP	1709 29.95			4.0
79 03 04	KTX	IP	1709 30.55			4.0
79 03 04	KT7	IPD	1709 30.7		32.5	6.0
79 03 04	KM3	IPD	1709 30.3			5.0
			1			
79 03 05	KIE	IPU	0133 25.8			5.0
79 03 05	KTX	IPD	0133 25.3			5.0
79 03 05	KT7	IPU	0133 26.5			5.0
79 03 05	KM3	IP	0133 26.0			5.0
79 03 05	KIE	IP	0451 01.5			6.0
79 03 05	KTX	IP	0451 02.3			4.0
79 03 05	KT7	IP	0451 02.35		04.1	6.0
			1			
79 03 06	KIE	IPD	0559 39.40			4.0
79 03 06	KTX	IP	0559 39.35			4.0
79 03 06	KT7	IPU	0559 39.30			5.0
79 03 06	KM3	IPU	0559 38.70		40.0	5.0
79 03 09	KIE	EP	1509 00.0			
79 03 09	KIE	IP	1649 33.0			6.0
79 03 09	KTX	EP	1649 33.7			6.0
79 03 09	KT7	IPU	1649 33.2			6.0
			1			
79 03 10	KIE	EP	0751 25.85			5.0
79 03 10	KTX	IP	0751 26.35			5.0
79 03 10	KT7	IP	0751 26.40		28.3	5.0
79 03 10	KIE	IP	1418 18.2			6.0
79 03 10	KTX	IP	1418 19.0			5.0
79 03 10	KT7	IP	1418 19.0			5.6
79 03 10	KM3	EP	1418 18.4		20.0	5.0
			1			
79 03 11	KTX	IPD	0101 31.2			12.0
79 03 11	KIE	IPD	0101 31.2			12.0
79 03 11	KT7	IP	0101 31.85			12.0
79 03 11	KM3	IPU	0101 31.4			8.0
			1			
79 03 11	KIE	EP	0617 02.1			
79 03 11	KM2	EP	0617 31.2			
79 03 11	KIE	IPD	1219 16.5			5.0
79 03 11	KTX	IP	1219 17.2			4.0
79 03 11	KT7	IP	1219 17.25			6.0
79 03 11	KM3	IPD	1219 16.65		18.2	5.0
			1			
79 03 11	KIE	EP	1223 18.2			
79 03 11	KIE	IP	1813 01.0			4.0
79 03 11	KTX	IP	1813 01.8			4.0
79 03 11	KT7	IPU	1813 02.0			6.0
79 03 11	KM3	IP	1813 01.3		02.4	4.0
79 03 11	KIE	IPD	1849 42.2			6.0
79 03 11	KT7	IP	1849 42.7			5.0
79 03 11	KM3	IPU	1849 42.2-		44.4	5.0
79 03 11	KTX	IP	1849 42.5-			4.0
			1			
79 03 12	KM3	IP	0226 09.7		11.1	4.0

79	03	12	KT7	IPU	0226	10.15		4.0
79	03	12	KTX	IPU	0226	10.1		4.0
79	03	12	KIE	IP	0226	09.4		4.0
					1			
79	03	12	KIE	IPD	0636	06.75		10.0
79	03	12	KTX	IPU	0636	07.45		7.0
79	03	12	KT7	IP	0636	07.65		10.0
79	03	12	KM3	IP	0636	07.05	08.4	16.0
					1			
79	03	13	KT7	EP	0957	52.0		
79	03	13	KM3	EP	1205	58.2		
79	03	13	KM6	EP	1342	40.0		
79	03	13	KIE	EPD	1406	47.8		5.0
79	03	13	KTX	IPD	1406	48.6		4.0
79	03	13	KT7	IPU	1406	48.6		6.0
79	03	13	KM3	EPU	1406	48.0	49.4	5.0
					1			
79	03	13	KM6	EP	1715	04.6		
79	03	13	KM6	EP	1717	10.0		
79	03	13	KT7	EP	2055	46.6		
79	03	13	KT7	EP	2244	51.0		
79	03	14	KIE	EP	1110	40.0		
79	03	14	KIE	EP	1204	44.5		
79	03	14	KT7	EP	1313	00.2		
79	03	14	KT7	EP	1442	06.5		
79	03	14	KT7	EP	1519	16.0		
79	03	14	KT7	EP	1539	09.0		
79	03	15	KT7	EP	0705	05.4		
79	03	15	KT7	EP	2020	38.5		
79	03	15	KT7	EP	2110	04.5		
79	03	15	KT7	EP	2310	42.0		
79	03	16	KT7	EP	1855	39.4		
79	03	17	KT7	IPU	0515	25.05		8.0
79	03	17	KTX	IPU	0515	25.05		6.0
79	03	17	KKT	IP	0515	24.5		6.0
79	03	17	KIE	IPD	0515	24.7		8.0
79	03	17	KM3	IPD	0515	24.85	26.8	8.0
79	03	17	KT7	EP	0652	24.2		
79	03	17	KKT	IP	0905	52.25		6.0
79	03	17	KIE	IPD	0905	52.20		9.0
79	03	17	KTX	IPU	0905	53.25		6.0

79 03 17	KT7	IPU	0905 53.25			9.0
79 03 17	KM3	IPD	0905 52.5			9.0
			1			
79 03 17	KIE	IPD	1498 38.3			6.0
79 03 17	KTX	IPD	1498 38.9			6.0
79 03 17	KT7	IPU	1498 38.9			6.0
79 03 17	KM3	EPU	1498 38.6		40.0	6.0
			1			
79 03 18	KT7	EP	2016 10.0			
79 03 19	KIE	IPD	0346 31.0			3.0
79 03 19	KT7	IPU	0346 31.7			4.0
79 03 19	KM3	IP	0346 31.2		32.5	4.0
			1			
79 03 19	KIE	IPD	0720 20.5			6.0
79 03 19	KTX	IPD	0720 21.25			5.0
79 03 19	KT7	IPU	0720 21.2			6.0
79 03 19	KM3	IPU	0720 20.8		21.9	5.0
			1			
79 03 20	KT7	EP	0031 23.0			
79 03 20	KIE	IPD	1711 25.7			4.0
79 03 20	KT7	IPD	1711 25.2		26.7	6.0
79 03 20	KM3	IP	1711 25.5			2.0
			1			
79 03 20	KT8	EP	2145 25.4			
79 03 20	KT8	EP	2152 45.2			
79 03 20	KT8	EP	2236 36.7			
79 03 21	KM6	EP	0302 12.8			
79 03 21	KIE	IPD	0543 25.7			8.0
79 03 21	KTX	IP	0543 26.7			5.0
79 03 21	KT7	IPU	0543 26.75			8.0
79 03 21	KM3	IPD	0543 26.2		27.5	5.0
			1			
79 03 19	KT7	EP	1249 57.0			
79 03 21	KIE	IPD	0552 33.0			6.0
79 03 21	KTX	IP	0552 34.0			4.0
79 03 21	KT7	IPU	0552 34.05			6.0
79 03 21	KM3	IP	0552 33.55		34.7	4.0
79 03 21	KIE	IPU	0701 34.5			8.0
79 03 21	KTX	IP	0701 35.2			6.0
79 03 21	KT7	IPU	0701 35.0			8.0
79 03 21	KM3	IPD	0701 34.6		36.0	6.0
			1			
79 03 21	KTX	IP	0827 44.0			4.0
79 03 21	KT7	IPU	0827 44.3			6.0
79 03 21	KM3	IP	0827 43.1		45.5	4.0
79 03 21	KT7	EP	1454 17.0			
79 03 21	KIE	IP	1643 15.8			8.0
79 03 21	KTX	IP	1643 16.5			6.0
79 03 21	KT7	IPU	1643 16.65			8.0
79 03 21	KM3	IPU	1643 16.05		17.5	4.0
			1			

79 03 21	KTX	IP	1709 42.0			5.0
79 03 21	KT7	IPU	1709 41.9			6.0
79 03 21	KM3	EPU	1709 41.3		43.1	5.0
			1			
79 03 22	KT7	EP	1226 33.9			
79 03 22	KT7	EP	1518 52.3			
79 03 23	KKT	IPD	0207 33.4			3.0
79 03 23	KIE	IPU	0207 33.8			6.0
79 03 23	KTX	IPU	0207 34.6			6.0
79 03 23	KT7	IPU	0207 34.55			6.0
79 03 23	KM3	IP	0207 34.05		35.4	3.0
			1			
79 03 23	KKT	IP	0238 15.0			3.0
79 03 23	KIE	IP	0238 15.3			3.0
79 03 23	KTX	IP	0238 16.2			4.0
79 03 23	KT7	IPD	0238 16.0			6.0
79 03 23	KM3	IP	0238 15.4		16.7	4.0
			1			
79 03 23	KKT	IPD	0628 37.5			3.0
79 03 23	KIE	IP	0628 38.2			3.0
79 03 23	KTX	IPD	0628 39.0			3.0
79 03 23	KT7	IP	0628 38.6			6.0
79 03 23	KM3	IPD	0628 38.3		40.0	6.0
			1			
79 03 23	KIE	EP	1723 48.2			
79 03 23	KT7	EP	1814 00.4			
79 03 23	KIE	EP	1939 05.9			
79 03 25	KT7	EP	0144 56.0			
79 03 25	KT7	EP	0222 13.0			
79 03 25	KKT	IP	0530 57.2			3.0
79 03 25	KIE	IP	0530 57.7			4.0
79 03 25	KTX	IP	0530 58.4			4.0
79 03 25	KT7	IPD	0530 58.2			6.0
79 03 25	KM3	IPD	0530 58.8		59.3	6.0
			1			
79 03 25	KM6	EP	1148 47.3			
79 03 25	KKT	IPD	0919 23.6			2.0
79 03 25	KIE	IPD	0919 24.15			5.0
79 03 25	KTX	IP	0919 23.95			5.0
79 03 25	KT7	IPU	0919 24.65			8.0
79 03 25	KM3	IPD	0919 24.25		25.8	6.0
			1			
79 03 25	KT7	EP	1828 26.2			
79 03 27	KM3	IPD	0702 15.05			3.0
79 03 27	KT7	IPU	0702 15.3		16.9	3.0
79 03 27	KKT	IPD	0702 14.25			2.0
			1			
79 03 27	KM3	IPU	0916 30.3		31.7	3.0
79 03 27	KT7	IPU	0916 30.7			4.0
79 03 27	KKT	IPD	0916 29.6			2.0
			1			
79 03 27	KM3	EP	1148 38.4			

79 03 27	KM3	EP	1254 24.45		2.0
79 03 27	KT7	EPD	1254 24.75	26.2	3.0
			1		
79 03 27	KM3	IPU	1920 04.3	5.6	6.5
79 03 27	KT7	IPU	1920 04.85		7.5
79 03 27	KKT	IPD	1920 03.85		4.0
			1		
79 03 27	KT7	IPU	1946 02.55	4.45	4.5
79 03 27	KIE	IPD	1946 01.75		2.0
79 03 27	KM3	IPD	1946 02.15		3.0
			1		
79 03 27	KM3	IPD	1947 11.3	13.	4.5
79 03 27	KT7	IPD	1947 11.65		7.5
79 03 27	KIE	IPD	1947 11.25		4.5
79 03 27	KKT	IPD	1947 10.55		4.0
			1		
79 03 27	KIE	IPU	2315 30.55		3.0
79 03 27	KT7	IPU	2315 31.05	33.6	4.5
79 03 27	KTX	IPU	2315 30.95		3.5
			1		
79 03 28	KTX	EP	0425 08.0		
79 03 28	KM3	IPD	1136 39.1	40.5	3.0
79 03 28	KT7	IPU	1136 39.41		4.0
79 03 28	KKT	IPD	1136 38.35		1.5
			1		
79 03 28	KT7	EP	1337 20.3		
79 03 28	KTX	EP	1520 14.9		
79 03 28	KM3	IPD	2010 16.8	18.3	3.0
79 03 28	KT7	IPD	2010 17.2		4.0
79 03 28	KKT	IPD	2010 16.2		1.5
			1		
79 03 28	KT7	EP	2314 33.9		
79 03 29	KT7	EP	0144 38.8		
79 03 29	KM3	IPU	0811 34.1	35.6	3.0
79 03 29	KT7	IPD	0811 34.3		3.0
79 03 29	KKT	IPD	0811 33.3		1.5
			1		
79 03 30	KM3	IP	0049 14.7	16.3	3.0
79 03 30	KT7	IPD	0049 15.0		5.0
79 03 30	KIE	IPD	0049 14.6		5.0
79 03 30	KKT	IPD	0049 14.05		2.5
			1		
79 03 30	KM3	IPU	0304 29.45		2.0
79 03 30	KT7	IPD	0304 29.65	31.5	3.5
79 03 30	KKT	IPD	0304 28.55		2.0
			1		
79 03 30	KM3	IPU	2322 40.2	41.7	3.0
79 03 30	KT7	IPU	2322 40.35		3.0
79 03 30	KKT	IPD	2322 39.35		1.5
			1		
79 03 31	KM3	EP	0032 54.9		
79 03 31	KM3	IPD	0303 57.8	59.3	5.0
79 03 31	KT7	IPD	0303 58.1		6.0
79 03 31	KKT	IPD	0303 57.0		3.0

79 03 31 KT4 EP 1334 04.8

TABLE 2

PHASE LIST FOR EVENTS IN APRIL

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 04 01	KM3	IPD	0713 14.5	15.5	2.0
79 04 01	KT7	IPD	0713 14.8		3.0
79 04 01	KKT	IPD	0713 13.85		1.5
			1		
79 04 02	KM2	EP	0350 13.2		
79 04 02	KM2	EP	0844 16.9		
79 04 03	KM3	IPD	1149 49.9	51.4	3.0
79 04 03	KT7	IPD	1149 50.25		3.5
79 04 03	KKT	IPD	1149 49.25		0.5
			1		
79 04 05	KM3	EP	1229 36.9		
79 04 06	KM3	EP	0632 48.0		
79 04 07	KM3	EP	0623 24.5		
79 04 07	KM6	EP	2328 23.5		
79 04 08	KT7	EP	0529 27.2		
79 04 09	KM3	EP	0203 02.5		
79 04 09	KM3	EP	0736 38.5		
79 04 10	KM5	EP	0020 25.0		
79 04 10	KT7	EP	1201 15.0		
79 04 10	KKT	IPD	0539 07.5		6.0
79 04 10	KIE	IPD	0539 07.9		12.0
79 04 10	KTX	IPD	0539 08.7		7.5
79 04 10	KT7	IPU	0539 08.65		12.0
79 04 10	KM3	IPU	0539 08.1		12.0
79 04 10	KKT	IP	0629 22.0		2.5
79 04 10	KT7	IP	0629 23.0		4.5
79 04 10	KM3	IP	0629 22.7	24.1	3.0
			1		
79 04 10	KKT	IP	0713 00.1		3.5
79 04 10	KTX	IP	0713 01.2		4.0
79 04 10	KT7	IPU	0713 01.15		6.0
79 04 10	KM3	IP	0713 00.7		4.0
79 04 10	KT7	EP	1042 26.6		
79 04 10	KT7	IPU	1604 40.45	42.5	4.5
79 04 10	KIE	IPU	1604 39.4		2.5
79 04 10	KKT	IPD	1604 39.3		2.0
			1		
79 04 12	KT7	IPU	2124 25.4	27.3	4.5
79 04 12	KIE	IPD	2124 24.65		3.0

79 04 12	KKT	IPD	2124	24.2		2.5
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79 04 13	KT7	IPD	0054	27.1	28.4	4.5
79 04 13	KTX	IPU	0054	27.15		3.0
79 04 13	KIE	IPD	0054	26.3		5.0
79 04 13	KKT	IPU	0054	25.95		2.5
			1			
79 04 13	KT7	EP	0812	40.0		
79 04 13	KM3	IPU	0958	58.95	60.4	2.5
79 04 13	KT7	IPU	0958	59.4		4.5
79 04 13	KIE	IPD	0958	58.7		3.5
79 04 13	KKT	IPD	0958	58.3		2.5
			1			
79 04 13	KM3	IPU	2327	34.85		4.0
79 04 13	KT7	IPD	2327	35.35		12.0
79 04 13	KTX	IPU	2327	35.5	37.4	16.5
79 04 13	KKT	IPD	2327	34.25		5.0
			1			
79 04 13	KT7	EP	2021	45.0		
79 04 14	KM3	IPU	0113	07.5		3.5
79 04 14	KT7	IPU	0113	08.15	10.0	3.0
79 04 14	KKT	IP	0113	07.0		1.5
			1			
79 04 14	KM3	IPD	0133	59.5	60.9	2.5
79 04 14	KT7	IPU	0133	59.9		4.5
79 04 14	KKT	IPD	0133	58.8		2.0
			1			
79 04 14	KM2	EP	0251	32.3		
79 04 14	KM3	EP	1011	21.8		
79 04 14	KM3	IPU	1331	51.2	52.7	2.0
79 04 14	KIE	IPU	1331	50.9		2.5
79 04 14	KKT	IPD	1331	50.55		0.5
			1			
79 04 14	KT7	IPU	1936	30.45	32.7	3.0
79 04 14	KKT	IPD	1936	29.25		1.5
			1			
79 04 14	KM3	IPD	2344	32.75	34.2	2.5
79 04 14	KT7	IPD	2344	33.2		
79 04 14	KKT	IPD	2344	32.0		
			1			
79 04 14	KM3	IPD	2349	37.6	39.0	6.0
79 04 14	KTX	IPU	2349	38.3		4.0
79 04 14	KT7	IPU	2349	38.15		8.0
79 04 14	KKT	IPD	2349	37.05		8.0
			1			
79 04 15	KT1	EP	0632	42.4		
79 04 15	KM2	EP	1330	31.3		
79 04 15	KM2	EP	2232	46.5		
79 04 15	KM2	EP	2242	46.1		
79 04 16	KM3	IPD	1122	58.8	59.3	2.0
79 04 16	KT7	IPU	1122	59.3		4.0
79 04 16	KIE	IPU	1122	58.7		3.0
79 04 16	KKT	IPD	1122	58.2		2.0

79 04 16	KM3	IPD	1904 11.9	13.4		3.0
79 04 16	KT7	IPD	1904 12.5			4.5
79 04 16	KIE	IPU	1904 11.7			4.0
79 04 16	KKT	IPD	1904 11.3			2.0
			1			
79 04 17	KT7	IPU	1641 56.3	58.3		2.5
79 04 17	KIE	IPD	1641 55.7			1.5
			1			
79 04 18	KM3	EP	1809 34.4			
79 04 18	KM3	EP	1944 55.0			
79 04 18	KM3	EP	2216 25.4			
79 04 19	KM3	IPU	0510 46.0	47.4		5.0
79 04 19	KT7	IPU	0510 46.35			6.0
79 04 19	KTX	IPD	0510 46.6			3.5
79 04 19	KKT	IPD	0510 45.3			3.0
			1			
79 04 19	KM3	IPD	0550 57.45	59.1		2.5
79 04 19	KT7	IPU	0550 58.05			4.5
79 04 19	KIE	IPU	0550 57.4			2.5
79 04 19	KKT	IPD	0550 56.9			2.0
			1			
79 04 19	KM3	EP	0740 21.1			
79 04 20	KT7	EP	1003 35.5			
79 04 20	KT7	EP	1221 07.4			
79 04 20	KM6	EP	1256 30.0			
79 04 20	KT7	EP	1927 06.5			
79 04 21	KM6	EP	0023 10.7			
79 04 21	KKT	IPD	0628 09.8			5.0
79 04 21	KIE	IP	0628 09.9			8.0
79 04 21	KTX	IP	0628 10.5			4.0
79 04 21	KT7	IPU	0628 10.45			8.0
79 04 21	KM3	IP	0628 10.0	10.7		8.0
			1			
79 04 21	KKT	IP	0710 18.5			2.0
79 04 21	KIE	IP	0710 18.7			4.0
79 04 21	KTX	IP	0710 19.9			4.0
79 04 21	KT7	IP	0710 19.5			4.0
79 04 21	KM3	IP	0710 19.0	20.5		4.0
			1			
79 04 21	KM3	IPU	1332 12.45	13.9		4.0
79 04 21	KT7	IPU	1332 13.05			4.5
79 04 21	KIE	IPD	1332 12.25			5.0
79 04 21	KKT	IPD	1332 11.9			2.0
			1			
79 04 21	KT7	EP	1842 54.7			
79 04 22	KT7	EP	0959 32.5			
79 04 22	KKT	IP	1334 11.5	11.2		4.0
79 04 22	KIE	IPD	1334 11.9	12.6		4.0
79 04 22	KT7	IPU	1334 12.6	13.6		5.0

79 04 22	KM3	IP	1334 12.0	13.5	5.0
			1		
79 04 22	KT7	EP	1835 26.0		
79 04 22	KKT	IP	1856 28.1		4.0
79 04 22	KIE	IPD	1856 28.5		6.0
79 04 22	KT7	IPU	1856 29.2		6.0
79 04 22	KM3	IP	1856 28.5	29.0	6.0
79 04 22	KT7	EP	2116 05.0		
79 04 23	KKT	IP	0052 59.6		2.0
79 04 23	KIE	IPD	0053 00.1		2.0
79 04 23	KT7	IPU	0053 00.5		6.0
79 04 23	KM3	IP	0053 00.0	31.5	4.0
79 04 23	KKT	IP	0425 05.1		2.0
79 04 23	KT7	IP	0425 07.0		4.0
79 04 23	KM3	IP	0425 05.2	06.8	4.0
79 04 23	KT7	EP	0604 36.5		
79 04 23	KKT	IP	1346 50.0		4.0
79 04 23	KIE	IPU	1346 50.02		6.0
79 04 23	KTX	IP	1346 51.2		6.0
79 04 23	KT7	IP	1346 51.1		6.0
79 04 23	KM3	IPD	1346 50.6		6.0
79 04 23	KKT	IP	1606 47.2		4.0
79 04 23	KIE	IPU	1606 47.6		4.0
79 04 23	KTX	IP	1606 48.0		4.0
79 04 23	KT7	IPU	1606 48.3		6.0
79 04 23	KM3	IP	1606 47.8	49.2	4.0
			1		
79 04 23	KKT	IP	1657 37.2	39.0	4.0
79 04 23	KIE	IP	1657 37.5		6.0
79 04 23	KTX	IP	1657 38.5		6.0
79 04 23	KT7	IP	1657 38.3		8.0
79 04 23	KM3	IP	1657 37.8		8.0
79 04 24	KKT	IP	0126 26.0		4.0
79 04 24	KIE	IP	0126 26.2		8.0
79 04 24	KTX	IP	0126 27.3		8.0
79 04 24	KT7	IP	0126 27.1		8.0
79 04 24	KM3	IP	0126 27.0	28.0	4.0
79 04 24	KT7	EP	0157 05.5		
79 04 24	KT7	EP	0418 33.6		
79 04 23	KT7	EP	2134 49.4		
79 04 24	KKT	IPD	0913 57.0		4.0
79 04 24	KIE	IP	0913 57.5		8.0
79 04 24	KTX	IP	0913 58.3		5.0
79 04 24	KT7	IP	0913 58.0		6.0
79 04 24	KM3	IPU	0913 57.8	59.2	4.0
			1		
79 04 24	KKT	IPD	1211 52.0		4.0
79 04 24	KIE	IPU	1211 53.5		6.0
79 04 24	KTX	IP	1211 53.2		6.0

79 04 24	KT7	IPU	1211 53.4			6.0
79 04 24	KM3	IPU	1211 52.5		54.0	
			1			
79 04 24	KKT	IP	1350 30.3			3.0
79 04 24	KIE	IPD	1350 30.5			4.0
79 04 24	KTX	IP	1350 31.5			4.0
79 04 24	KT7	IP	1350 31.4			6.0
79 04 24	KM3	IPU	1350 30.8		32.3	4.0
			1			
79 04 24	KKT	IP	2028 31.0			2.0
79 04 24	KT7	IP	2028 32.0		33.9	6.0
			1			
79 04 24	KKT	IP	2112 52.5			2.0
79 04 24	KIE	IP	2112 52.6			4.0
79 04 24	KT7	IPU	2112 53.5			4.0
79 04 24	KM3	IP	2112 53.1			5.0
79 04 24	KKT	IP	2245 29.0			4.0
79 04 24	KIE	IP	2245 29.2			6.0
79 04 24	KTX	IP	2245 30.1			6.0
79 04 24	KT7	IP	2245 30.0			6.0
79 04 24	KKT	IP	2328 33.5			3.0
79 04 24	KIE	IPD	2328 34.5			4.0
79 04 24	KTX	IP	2328 34.2			4.0
79 04 24	KT7	IPU	2328 35.0			6.0
79 04 25	KM6	EP	0019 39.2			
79 04 25	KKT	IP	0252 51.8			1.0
79 04 25	KT7		0252 52.0		54.0	4.0
			1			
79 04 25	KKT	IP	0318 30.2			4.0
79 04 25	KIE	IPD	0318 30.5			6.0
79 04 25	KTX	IP	0318 33.5			6.0
79 04 25	KT7	IPU	0318 31.5			6.0
79 04 25	KM3	IP	0318 31.0		32.3	4.0
			1			
79 04 25	KKT	IP	0340 40.7			2.0
79 04 25	KT7	IP	0340 42.0		43.5	4.0
			1			
79 04 25	KKT	IP	0430 26.5			3.0
79 04 25	KIE	IP	0430 27.8			6.0
79 04 25	KT7	IPU	0430 27.5			6.0
79 04 25	KM3	IPD	0430 27.1			6.0
79 04 25	KKT	IP	0500 52.0			2.0
79 04 25	KT7	IP	0500 53.2			4.0
79 04 25	KM3	IP	0500 52.7		54.2	4.0
			1			
79 04 25	KKT	IP	0612 03.1			4.0
79 04 25	KIE	IPD	0612 03.4			5.0
79 04 25	KTX	IPU	0612 04.2			5.0
79 04 25	KM3	IPU	0612 04.1			6.0
79 04 25	KT7	IPD	0612 03.8		05.0	6.0
			1			
79 04 25	KKT	IP	0625 32.6			3.0
79 04 25	KIE	IP	0625 32.7			5.0
79 04 25	KT7	IP	0625 33.8		35.0	5.0
			1			
79 04 25	KKT	IP	0725 58.2			4.0

79 04 25	KIE	IP	0725 58.5			8.0
79 04 25	KTX	IPU	0725 59.3			6.0
79 04 25	KT7	IPD	0725 59.7			8.0
79 04 25	KM3	IPU	0725 59.1		60.2	6.0
79 04 25	KKT	IP	1000 33.4			4.0
79 04 25	KIE	IP	1000 34.0			4.0
79 04 25	KT7	IPU	1000 34.5			4.0
79 04 25	KKT	IP	1056 04.0			4.0
79 04 25	KIE	IP	1056 04.1			5.0
79 04 25	KM3	IP	1056 04.7			5.0
79 04 25	KT7	IPU	1056 04.3			5.0
79 04 25	KKT	IP	1241 21.9			4.0
79 04 25	KTX	IP	1241 23.0			4.0
79 04 25	KT7	IP	1241 23.0		24.5	6.0
			1			
79 04 25	KIE	IP	2063 33.30			6.0
79 04 25	KKT	IP	2006 33.3			4.0
79 04 25	KT7	IP	2006 34.4			6.0
79 04 25	KM3	IPD	2006 33.9			6.0
79 04 25	KKT	IP	2018 31.8			2.0
79 04 25	KIE	IP	2018 32.3			4.0
79 04 25	KTX	IP	2018 32.9			6.0
79 04 25	KT7	IPD	2018 33.0			6.0
79 04 25	KM3	IPD	2018 32.5		32.6	6.0
			1			
79 04 25	KKT	IP	2334 48.7			3.0
79 04 25	KIE	IPD	2334 49.1			4.0
79 04 25	KTX	IP	2334 50.5			4.0
79 04 25	KT7	IP	2334 50.0			6.0
79 04 25	KM3	IP	2334 49.4		51.0	6.0
			1			
79 04 25	KM6	EP	2339 30.5			
79 04 26	KKT	IP	0109 27.0			6.0
79 04 26	KIE	IP	0109 27.2			6.0
79 04 26	KTX	IP	0109 28.1			6.0
79 04 26	KT7	IP	0109 28.1			6.0
79 04 26	KM3	IP	0109 27.6			6.0
79 04 26	KT7	EP	0211 29.2			
79 04 26	KKT	IP	0251 31.6			3.0
79 04 26	KIE	IP	0251 32.1			6.0
79 04 26	KTX	IP	0251 33.0			6.0
79 04 26	KT7	IP	0251 32.8			6.0
79 04 26	KM3	IP	0251 32.0			6.0
79 04 26	KKT	IP	0311 57.8			4.0
79 04 26	KT7	IPU	0311 58.7			6.0
79 04 26	KM3	IP	0311 58.2			4.0
79 04 26	KKT	IP	0416 12.2			4.0
79 04 26	KIE	IP	0416 12.6			4.0
79 04 26	KT7	IPU	0416 12.8			6.0
79 04 26	KM3	IP	0416 13.0			4.0
79 04 26	KM6	EP	2104 24.2			

79 04 27	KM3	IP	0357 60.0			4.0
79 04 27	KKT	IP	0357 59.7			4.0
79 04 27	KIE	IP	0357 59.9			4.0
79 04 27	KT7	IP	0357 60.2		62.0	4.0
79 04 27	KKT	IP	0554 56.0			3.0
79 04 27	KIE	IP	0554 56.3			4.0
79 04 27	KT7	IP	0554 57.0		58.0	6.0
			1			
79 04 27	KT7	IP	0848 22.0			4.0
79 04 27	KTX	IP	0848 21.8			6.0
79 04 27	KIE	IP	0848 21.0			4.0
79 04 27	KKT	IP	0848 20.6			2.0
79 04 27	KM3	IP	0848 21.4		22.8	6.0
			1			
79 04 27	KKT	IP	0908 31.8			2.0
79 04 27	KIE	IP	0908 32.2			4.0
79 04 27	KT7	IP	0908 33.0		35.0	6.0
79 04 27	KM3	IP	0908 32.4			6.0
			1			
79 04 27	KKT	IPD	1115 52.5			3.0
79 04 27	KIE	IPD	1115 53.0			6.0
79 04 27	KTX	IP	1115 53.4			6.0
79 04 27	KT7	IPU	1115 53.6			6.0
79 04 27	KM3	IPU	1115 53.0			6.0
79 04 27	KKT	IP	1758 52.0			3.5
79 04 27	KIE	IPU	1758 52.6			6.0
79 04 27	KTX	IP	1758 53.5			4.0
79 04 27	KT7	IPD	1758 53.2			6.0
79 04 27	KT7	EP	1833 51.0			
79 04 27	KKT	IP	1951 19.1			3.0
79 04 27	KIE	IP	1951 19.3			8.0
79 04 27	KTX	IP	1951 20.5			4.0
79 04 27	KT7	IP	1951 20.5			6.0
79 04 27	KM3	IP	1951 19.8		21.0	4.0
			1			
79 04 28	KKT	IP	0349 32.7			4.0
79 04 28	KIE	IP	0349 33.9			6.0
79 04 28	KTX	IP	0349 34.0			6.0
79 04 28	KT7	IP	0349 34.0			6.0
79 04 28	KM3	IP	0349 33.3		34.3	6.0
			1			
79 04 28	KT7	EP	1149 07.8			
79 04 28	KKT	IP	2135 40.0			2.0
79 04 28	KIE	IP	2135 40.8			4.0
79 04 28	KTX	IP	2135 41.0		42.8	6.0
79 04 28	KT7	IP	2135 41.0			6.0
			1			
79 04 29	KKT	IP	0035 06.6			2.0
79 04 29	KIE	IP	0035 07.0			4.0
79 04 29	KT7	IP	0035 07.8			4.0
79 04 29	KM3	IP	0035 08.0			4.0
79 04 29	KKT	IP	0508 59.6			4.0
79 04 29	KIE	IP	0508 59.9			8.0
79 04 29	KTX	IP	0508 61.0			8.0

79 04 29	KT7	IP	0508	60.7		8.0
79 04 29	KM3	IP	0508	60.4	61.7	8.0
			1			
79 04 29	KKT	IP	0624	56.8		4.0
79 04 29	KIE	IP	0624	57.1		8.0
79 04 29	KTX	IP	0624	58.2		6.0
79 04 29	KT7	IP	0624	57.9		6.0
79 04 29	KM3	IP	0624	57.4		6.0
79 04 29	KTX	IP	0936	60.5		4.0
79 04 29	KKT	IP	0936	59.1		2.0
79 04 29	KIE	IP	0936	59.6		4.0
79 04 29	KKT	IP	0953	41.8		2.0
79 04 29	KIE	IP	0953	42.0		10.0
79 04 29	KTX	IP	0953	42.6		6.0
79 04 29	KT7	IP	0953	43.0		6.0
79 04 29	KM3	IP	0953	42.5	44.5	6.0
			1			
79 04 29	KKT	IP	1318	46.0		2.0
79 04 29	KIE	IP	1318	46.3		4.0
79 04 29	KTX	IP	1318	47.0		4.5
79 04 29	KT7	IP	1318	46.6		6.0
79 04 29	KM3	IP	1318	46.4	47.2	6.0
			1			
79 04 29	KT7	EP	1408	42.6		
79 04 29	KM3	IP	1536	10.55		4.0
79 04 29	KT7	IP	1536	11.7		4.0
79 04 29	KTX	IP	1536	11.7		4.0
79 04 29	KKT	IP	1536	10.5		4.0
79 04 29	KIE	IP	1536	11.0		4.0
79 04 29	KKT	IP	1956	49.6		6.0
79 04 29	KIE	IP	1956	50.0		8.0
79 04 29	KTX	IP	1956	50.7		6.0
79 04 29	KM3	IPU	1956	50.2	52.0	6.0
79 04 29	KT7	IPU	1956	50.6		6.0
			1			
79 04 29	KKT	IPD	2101	47.0		3.0
79 04 29	KIE	IPD	2101	47.5		6.0
79 04 29	KTX	IPU	2101	47.2		6.0
79 04 29	KT7	IPD	2101	48.2		6.0
79 04 29	KM3	IP	2101	47.8		6.0
79 04 29	KKT	IP	2107	36.2		4.0
79 04 29	KIE	IP	2107	37.2		6.0
79 04 29	KT7	IP	2107	36.4		6.0
79 04 29	KM3	IP	2107	37.6		4.0
79 04 30	KKT	IPD	0055	45.8		4.0
79 04 30	KIE	IP	0055	46.0		8.0
79 04 30	KTX	IPU	0055	46.9		6.0
79 04 30	KT7	IP	0055	46.7		6.0
79 04 30	KM3	IPU	0055	46.2	47.8	6.0
			1			
79 04 30	KKT	IP	0150	59.7		3.0
79 04 30	KIE	IP	0150	59.95		6.0
79 04 30	KM3	IP	0150	61.0		8.0
79 04 30	KT7	IPD	0150	60.6		6.0

79 04 30	KKT	1P	0206 32.0			3.0
79 04 30	KIE	IP	0206 32.2			4.0
79 04 30	KTX	1P	0206 33.0			4.0
79 04 30	KM3	1P	0206 32.7			4.0
79 04 30	KKT	1P	0215 21.0			2.0
79 04 30	KIE	IP	0215 21.2			6.0
79 04 30	KTX	1P	0215 22.0			6.0
79 04 30	KM3	1P	0215 21.8		23.2	6.0
			1			
79 04 30	KKT	1P	0316 04.5			4.0
79 04 30	KIE	IP	0316 04.8			4.0
79 04 30	KM3	1P	0316 05.0			4.0
79 04 30	KKT	1P	0558 42.5			4.0
79 04 30	KIE	IP	0558 42.8			6.0
79 04 30	KTX	1PU	0558 43.6			6.0
79 04 30	KM3	1PU	0558 43.0		44.5	6.0
			1			
79 04 30	KKT	1P	0748 06.1			2.0
79 04 30	KIE	IP	0748 06.5			4.0
79 04 30	KT7	1PD	0748 07.4			6.0
79 04 30	KM3	1P	0748 06.6		09.0	6.0
79 04 30	KKT	1P	0817 42.3			2.0
79 04 30	KIE	IP	0817 42.7			4.0
79 04 30	KT7	1P	0817 43.7			4.0
79 04 30	KM3	1P	0817 43.0			6.0
79 04 30	KKT	1P	0833 48.8			2.0
79 04 30	KIE	IP	0833 49.0			4.0
79 04 30	KT7	1P	0833 49.9			4.0
79 04 30	KM3	1P	0833 49.4			4.0
79 04 30	KKT	1P	1358 07.4			2.0
79 04 30	KIE	IPD	1358 07.8			4.0
79 04 30	KT7	1PU	1358 08.6			4.0
79 04 30	KM3	1P	1358 08.0		09.5	6.0
			1			
79 04 30	KKT	1P	1458 43.5			4.0
79 04 30	KIE	IP	1458 44.0			4.0
79 04 30	KT7	1P	1458 44.6			6.0
79 04 30	KM3	1P	1458 43.9		45.5	6.0
			1			
79 04 30	KKT	1P	1702 33.2			4.0
79 04 30	KIE	IP	1702 33.6			8.0
79 04 30	KTX	1P	1702 34.2			6.0
79 04 30	KT7	1P	1702 34.2			6.0
79 04 30	KM3	1P	1702 33.6			6.0
79 04 30	KKT	IPD	1841 04.5			4.0
79 04 30	KIE	IPD	1841 05.0			6.0
79 04 30	KTX	1P	1841 05.8			6.0
79 04 30	KT7	1P	1841 05.8			6.0
79 04 30	KM3	1PU	1841 05.1		06.5	4.0
			1			
79 04 30	KKT	1P	2007 39.9			4.0
79 04 30	KIE	IPD	2007 40.2			6.0
79 04 30	KTX	1PP	2007 41.05			4.0
79 04 30	KT7	1PU	2007 41.0			6.0
79 04 30	KM3	1PU	2007 40.7		41.7	6.0

TABLE 2

PHASE LIST FOR EVENTS IN MAY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 05 01	KKT	1P	0153 35.3		4.0
79 05 01	KIE	1P	0153 35.7		6.0
79 05 01	KTX	1P	0153 36.6		6.0
79 05 01	KT7	1P	0153 36.5		6.0
79 05 01	KM3	1P	0153 36.0	37.4	6.0
			1		
79 05 01	KTX	1P	0251 20.5		6.0
79 05 01	KIE	1P	0251 19.7		6.0
79 05 01	KM3	1P	0251 21.5		6.0
79 05 01	KKT	1P	0322 54.7		3.0
79 05 01	KIE	1P	0322 55.0		6.0
79 05 01	KTX	1P	0322 56.2		6.0
79 05 01	KT7	1PU	0322 55.7		6.0
79 05 01	KM3	1P	0322 55.1	56.5	6.0
			1		
79 05 01	KTX	1P	0348 52.0		6.0
79 05 01	KIE	1PU	0348 51.2		6.0
79 05 01	KKT	1P	0348 51.0		5.0
79 05 01	KKT	1P	0621 20.9		3.0
79 05 01	KIE	1PD	0621 21.1		6.0
79 05 01	KTX	1P	0621 22.1		6.0
79 05 01	KT7	1PU	0621 22.0		6.0
79 05 01	KM3	1P	0621 21.4	23.1	6.0
			1		
79 05 01	KKT	1P	0731 20.0		3.0
79 05 01	KIE	1P	0731 20.4		6.0
79 05 01	KTX	1PU	0731 21.2		6.0
79 05 01	KT7	1P	0731 21.0		6.0
79 05 01	KM3	1PD	0731 20.5	22.2	6.0
			1		
79 05 01	KKT	1P	1107 42.4		4.0
79 05 01	KIE	1P	1107 43.0		4.0
79 05 01	KTX	1PU	1107 43.7		6.0
79 05 01	KT7	1P	1107 43.5		6.0
79 05 01	KM3	1PU	1107 43.0	44.5	6.0
			1		
79 05 01	KT7	EP	1307 20.0		
79 05 01	KKT	1P	1516 31.2		4.0
79 05 01	KIE	1P	1516 31.6		6.0
79 05 01	KT7	1PU	1516 32.4	33.4	6.0
79 05 01	KKT	1P	1605 48.2		6.0
79 05 01	KIE	1P	1605 48.6		8.0
79 05 01	KTX	1P	1605 49.3		6.0
79 05 01	KT7	1P	1605 49.25		8.0
79 05 01	KM3	1P	1605 48.9		8.0
79 05 01	KT7	EP	2046 11.7		
79 05 01	KT7	EP	2110 06.0		

79 05 02	KKT	1P	0022 00.5		4.0
79 05 02	KIE	1P	0022 01.0		4.0
79 05 02	KTX	1P	0022 01.8		4.0
79 05 02	KT7	1PU	0022 01.6		6.0
79 05 02	KM3	1PD	0022 01.2	02.8	6.0
			1		
79 05 02	KKT	1P	0056 37.0		5.0
79 05 02	KIE	1PD	0056 37.4		5.0
79 05 02	KTX	1P	0056 38.2		5.0
79 05 02	KT7	1PU	0056 38.1		6.0
79 05 02	KM3	1P	0056 37.6	39.1	6.0
			1		
79 05 02	KKT	1P	0436 52.3		4.0
79 05 02	KIE	1PD	0436 52.7		6.0
79 05 02	KT7	1PU	0436 53.5		6.0
79 05 02	KM3	1PU	0436 52.8	54.2	4.0
			1		
79 05 02	KKT	1P	0729 36.4		4.0
79 05 02	KIE	1PD	0729 36.7		4.0
79 05 02	KT7	1PU	0729 37.4	39.4	4.0
79 05 02	KM3	1P	0729 36.9		4.0
			1		
79 05 02	KKT	1P	1213 02.25		4.0
79 05 02	KIE	1PD	1213 02.6		6.0
79 05 02	KTX	1P	1213 03.5		6.0
79 05 02	KT7	1PU	1213 03.3		6.0
79 05 02	KM3	1P	1213 02.9	04.2	6.0
			1		
79 05 02	KKT	1P	1303 16.3		4.0
79 05 02	KIE	1P	1303 16.7		6.0
79 05 02	KTX	1PU	1303 17.6		6.0
79 05 02	KT7	1PU	1303 17.3		6.0
79 05 02	KM3	1PU	1303 16.8	18.5	6.0
			1		
79 05 02	KKT	1P	1435 49.1		2.0
79 05 02	KIE	1P	1435 49.6		4.0
79 05 02	KT7	1P	1435 50.1		4.0
79 05 02	KKT	1P	1643 32.5		6.0
79 05 02	KIE	1PU	1643 33.0		8.0
79 05 02	KTX	1P	1643 34.0		8.0
79 05 02	KT7	1P	1643 34.0		8.0
79 05 02	KM3	1PU	1643 33.4	34.0	8.0
79 05 02	KT7	EP	1802 55.5		
79 05 02	KKT	1P	1946 17.6		6.0
79 05 02	KIE	1P	1946 17.7		8.0
79 05 02	KTX	1P	1946 18.8		8.0
79 05 02	KT7	1P	1946 18.75		8.0
79 05 02	KKT	IPU	2140 46.45		8.0
79 05 02	KIE	IPU	2140 46.4		12.
79 05 02	KT7	IP	2140 48.7		8.0
79 05 02	KM3	1P	2140 47.8		12.0
79 05 02	KT7	EP	2333 26.5		
79 05 03	KT7	EP	0123 19.5		

79 05 03	KT7	1PU	0203 03.5			6.0
79 05 03	KKT	1P	0203 02.7			6.0
79 05 03	KIE	1PD	0203 03.1			6.0
79 05 03	KTX	1P	0203 04.0			6.0
79 05 03	KM3	1PU	0203 03.2		04.7	6.0
			1			
79 05 03	KT7	EP	0349 58.8			
79 05 03	KKT	1P	0453 13.0			4.0
79 05 03	KIE	1P	0453 13.4			6.0
79 05 03	KTX	1P	0453 14.1			6.0
79 05 03	KT7	1PD	0453 14.0			6.0
79 05 03	KM3	1P	0453 13.5		15.0	6.0
79 05 03	KKT	1P	0524 25.1			4.0
79 05 03	KIE	1PD	0524 25.7			6.0
79 05 03	KTX	1P	0524 26.2			6.0
79 05 03	KT7	1PU	0524 26.4		27.6	6.0
79 05 03	KM3	1P	0524 25.9		27.5	6.0
			1			
79 05 03	KKT	1P	0747 08.7			2.5
79 05 03	KT7	1P	0747 09.8		11.7	6.0
			1			
79 05 03	KM6	EP	1909 55.2			
79 05 03	KT7	EP	1940 40.0			
79 05 03	KKT	1P	2213 10.5			3.0
79 05 03	KIE	1P	2213 10.7			6.0
79 05 03	KTX	1P	2213 11.7			6.0
79 05 03	KT7	1P	2213 11.5			6.0
79 05 03	KM3	1P	2213 11.0		12.5	6.0
			1			
79 05 03	KKT	1P	2342 49.8			4.0
79 05 03	KIE	1P	2342 50.0			6.0
79 05 03	KTX	1PU	2342 50.8			8.0
79 05 03	KT7	1P	2342 50.6			6.0
79 05 03	KM3	1PU	2342 50.2		51.1	6.0
			1			
79 05 04	KKT	1P	0421 01.9			4.0
79 05 04	KIE	1PD	0421 02.4			6.0
79 05 04	KTX	1P	0421 03.2			6.0
79 05 04	KT7	1P	0421 02.7			6.0
79 05 04	KM3	1PD	0421 02.0		03.6	6.0
			1			
79 05 04	KKT	1P	1204 56.95			4.0
79 05 04	KIE	1P	1204 57.5			4.0
79 05 04	KTX	1P	1204 58.2			6.0
79 05 04	KT7	1PU	1204 58.0			6.0
79 05 04	KKT	1P	1414 18.2			4.0
79 05 04	KIE	1PU	1414 18.6			8.0
79 05 04	KTX	1PU	1414 19.6			8.0
79 05 04	KT7	1PU	1414 19.4			8.0
79 05 04	KM3	1PU	1414 19.0		20.0	8.0
			1			
79 05 04	KKT	1PU	1756 16.2			6.0
79 05 04	KIE	1P	1756 16.15			8.0
79 05 04	KT7	1P	1756 18.0			8.0
79 05 04	KM3	1PD	1756 17.4			8.0

79 05 04	KT7	EP	2212 25.5			
79 05 05	KT8	EP	0130 45.7			
79 05 05	KKT	1P	0324 11.0			4.0
79 05 05	KIE	1P	0324 11.5			6.0
79 05 05	KTX	1P	0324 12.5			6.0
79 05 05	KT7	1P	0324 12.2		13.3	6.0
79 05 05	KM3	1P	0324 11.7		12.7	6.0
			1			
79 05 07	KM6	EP	1311 25.9			
79 05 08	KT7	EP	0515 01.5			
79 05 08	KKT	1P	0943 29.05			2.0
79 05 08	KT7	1P	0943 30.2			4.0
79 05 08	KM3	1P	0943 29.8		31.2	4.0
			1			
79 05 08	KKT	1P	2252 34.0			2.0
79 05 08	KTX	1P	2252 34.8			4.0
79 05 08	KT7	1PU	2252 35.0			5.0
79 05 08	KM3	1P	2252 34.5		36.0	5.0
			1			
79 05 08	KM6	EP	2258 15.7			
79 05 09	KKT	1P	1238 01.2			4.0
79 05 09	KIE	1PD	1238 01.6			6.0
79 05 09	KTX	1P	1238 02.4			4.0
79 05 09	KT7	1P	1238 02.5			4.0
79 05 09	KM3	1PU	1238 02.0		03.1	4.0
			1			
79 05 09	KT7	EP	1255 25.3			
79 05 11	KT7	EP	2021 32.5			
79 05 12	KM6	EP	2237 26.4			
79 05 13	KT7	EP	0639 14.3			
79 05 13	KT7	EP	2248 22.4			
79 05 14	KKT	1PD	0839 57.5			4.0
79 05 14	KIE	1P	0839 58.0			6.0
79 05 14	KTX	1P	0839 58.9			6.0
79 05 14	KT7	1P	0839 58.7			6.0
79 05 14	KM3	1PU	0839 58.2		59.4	6.0
			1			
79 05 14	KT7	EP	1551 52.5			
79 05 14	KT8	EP	2115 51.8			
79 05 14	KT7	EP	2314 24.5			
79 05 15	KT7	EP	1743 00.6			
79 05 15	KM6	EP	2305 58.6			
79 05 17	KT7	EP	1008 44.1			
79 05 18	KKT	1P	0655 58.1			4.0
79 05 18	KIE	1PD	0655 58.5		59.6	4.0

			1		
79 05 18	KT7	EP	2032 37.0		
79 05 18	KT7	EP	2341 22.2		
79 05 19	KT7	EP	0150 15.0		
79 05 21	KT7	EP	2028 50.0		
79 05 21	KT7	EP	2231 46.0		
79 05 21	KT7	EP	2257 16.0		
79 05 22	KT7	EP	0023 48.8		
79 05 22	KT7	EP	0844 00.6		
79 05 22	KT7	EP	1559 10.0		
79 05 22	KT7	EP	2252 53.0		
79 05 23	KT7	EP	0052 55.2		
79 05 23	KT7	EP	0113 29.0		
79 05 19	KT7	EP	2253 48.5		
79 05 20	KT7	EP	0822 04.5		
79 05 20	KT7	EP	1948 31.7		
79 05 23	KT5	EP	2053 11.0		
79 05 25	KT7	EP	1654 21.5		
79 05 26	KT4	EP	0021 03.0		
79 05 27	KT7	EP	0104 55.7		
79 05 27	KT7	EP	0515 30.0		
79 05 27	KT7	EP	0547 02.5		
79 05 27	KT7	EP	0554 50.0		
79 05 27	KT7	EP	0942 24.2		
79 05 28	KT7	EP	1509 50.0		
79 05 29	KT7	EP	1306 00.0		
79 05 30	KT7	EP	0000 17.2		
79 05 30	KT7	EP	0958 19.0		
79 05 30	KT7	EP	1928 39.0		
79 05 31	KM5	EP	1514 27.15		
79 05 31	KT7	1PU	1525 27.9		15.0
79 05 31	KIE	1PD	1525 24.9		15.0

79 05 31	KKT	IP	1525 25.35		15.
79 05 31	KTX	IP	1525 24.10		15.0

TABLE 2

PHASE LIST FOR EVENTS IN JUNE

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 06 01	KKT	IP	0936 48.2		
79 06 01	KIE	IP	0936 48.7		6.0
79 06 01	KTX	IP	0936 49.7		6.0
79 06 01	KT7	IP	0936 49.2		6.0
79 06 01	KKT	IPD	1410 14.9		4.0
79 06 01	KIE	IPD	1410 15.2		6.0
79 06 01	KM3	EP	1410 15.5		6.0
79 06 01	KM3	IPD	1713 43.8		5.0
79 06 01	KT7	IPD	1713 44.05		6.0
79 06 01	KIE	IPD	1713 43.7		5.0
79 06 01	KKT	IPD	1713 43.1		3.0
79 06 01	KM3	IPD	1717 15.2	16.6	5.0
79 06 01	KT7	IP	1717 15.35		5.0
79 06 01	KTX	EP	1717 16.1		5.0
79 06 01	KIE	IPD	1717 15.2		5.0
79 06 01	KKT	IPD	1717 14.6		5.0
			1		
79 06 01	KM3	IPD	1724 55.9	57.4	5.0
79 06 01	KT7	IPD	1724 56.3		6.0
79 06 01	KIE	IPD	1724 55.85		5.0
79 06 01	KKT	IPD	1724 55.3		3.0
			1		
79 06 01	KM3	IPD	1738 45.7		4.0
79 06 01	KT7	IP	1738 46.2		5.0
79 06 01	KKT	EP	1738 45.1		3.0
79 06 01	KM3	IPD	1806 51.15		6.0
79 06 01	KT7	IP	1806 51.5		8.0
79 06 01	KTX	EP	1806 52.0		6.0
79 06 01	KIE	IPU	1806 51.05		8.0
79 06 01	KKT	IPD	1806 50.45		4.0
79 06 01	KM3	IPD	1923 26.0	27.4	5.0
79 06 01	KT7	IP	1923 26.35		6.0
79 06 01	KTX	IP	1923 26.7		4.0
79 06 01	KIE	IP	1923 25.95		6.0
79 06 01	KKT	IP	1923 25.4		3.0
			1		
79 06 01	KM3	EP	2056 03.1		4.0
79 06 01	KT7	EP	2056 03.5		5.0
79 06 01	KTX	EP	2056 03.0		4.0
79 06 01	KKT	EP	2056 02.4		3.0
79 06 01	KM3	IP	2349 59.95		6.0
79 06 01	KT7	IPU	2350 00.2		8.0
79 06 01	KTX	EP	2350 00.6		6.0
79 06 01	KIE	IPU	2349 59.8		6.0
79 06 01	KKT	IPD	2349 59.2		4.0
79 06 02	KM3	IPU	0030 08.75	10.1	4.0

79 06 02	KT7	EP	0030 09.1			5.0
79 06 02	KIE	IPD	0030 08.6			4.0
79 06 02	KKT	EP	0030 08.1			3.0
			1			
79 06 02	KM3	EP	0053 15.3		16.9	4.0
79 06 02	KT7	IPU	0053 15.6		17.1	6.0
79 06 02	KIE	IPD	0053 15.1			4.0
79 06 02	KKT	EP	0053 14.6			3.0
			1			
79 06 02	KM3	EP	0144 53.8			4.0
79 06 02	KT7	EP	0144 54.1			4.0
79 06 02	KKT	EP	0144 53.05			3.0
79 06 02	KM3	EP	0157 59.7			4.0
79 06 02	KT7	EP	0158 00.1			4.0
79 06 02	KIE	EP	0157 59.6			4.0
79 06 02	KKT	EP	0157 59.1			3.0
79 06 02	KM3	IPU	0205 04.3			4.0
79 06 02	KT7	IPD	0205 04.6			6.0
79 06 02	KIE	IPD	0205 04.2			4.0
79 06 02	KKT	IPD	0205 03.7			3.0
79 06 02	KM3	IPD	0459 33.6		34.8	7.0
79 06 02	KT7	IPU	0459 34.0			8.0
79 06 02	KTX	EP	0459 34.3			5.0
79 06 02	KIE	IPD	0459 33.6			7.0
79 06 02	KKT	IPD	0459 33.0			4.0
			1			
79 06 02	KT7	EP	1007 39.7			
79 06 02	KM3	EP	1354 54.2			4.0
79 06 02	KT7	IPU	1354 54.5		56.0	5.0
79 06 02	KKT	EP	1354 53.6			3.0
			1			
79 06 02	KM3	IPD	1355 28.3			5.0
79 06 02	KT7	IPD	1355 28.7			7.0
79 06 02	KTX	EP	1355 29.3			4.0
79 06 02	KIE	IPU	1355 28.25			7.0
79 06 02	KKT	IPD	1355 27.75			3.5
79 06 02	KM3	IPU	1547 14.5			4.0
79 06 02	KT7	IPD	1547 14.8			6.0
79 06 02	KIE	IPU	1547 14.35			4.0
79 06 02	KKT	IPD	1547 13.9			4.0
79 06 02	KM3	EP	1950 14.3			3.0
79 06 02	KT7	IPU	1950 14.6			4.0
79 06 02	KKT	EP	1950 13.7			3.0
79 06 02	KM3	EP	2317 21.65			3.0
79 06 02	KT7	IPU	2317 22.0		23.6	4.5
79 06 02	KKT	EP	2317 20.9			3.0
			1			
79 06 02	KM3	EP	2351 13.3			4.0
79 06 02	KT7	IPU	2351 13.6			5.0
79 06 02	KIE	IPD	2351 13.15			3.5
79 06 02	KKT	IPD	2351 12.55			3.0
79 06 03	KM3	IPU	0228 16.7			6.0
79 06 03	KT7	IPD	0228 17.05			7.0

79 06 03	KTX	EP	0228 17.4			4.0
79 06 03	KIE	IPU	0228 16.65			4.0
79 06 03	KKT	IPD	0228 16.05			4.0
79 06 03	KM3	EP	1123 32.85			5.0
79 06 03	KT7	IPU	1123 33.1			5.0
79 06 03	KKT	EP	1123 32.05			3.0
79 06 03	KM3	EP	1200 33.5			4.0
79 06 03	KT7	IPU	1200 33.85		35.4	6.0
79 06 03	KIE	EP	1200 33.4			4.0
79 06 03	KKT	EP	1200 32.9			4.0
			1			
79 06 03	KM3	IPU	1831 53.75			5.0
79 06 03	KT7	IPU	1831 54.1			5.0
79 06 03	KKT	IPD	1831 53.15			3.0
79 06 03	KM3	IPD	2043 06.25		07.6	6.0
79 06 03	KT7	IPU	2043 06.65			9.0
79 06 03	KTX	IPU	2043 07.1			5.0
79 06 03	KIE	IPU	2043 06.3			8.0
79 06 03	KKT	IPD	2043 05.7			4.0
			1			
79 06 03	KKT	EP	2348 45.7			3.0
79 06 04	KKT	IP	0049 27.7			4.0
79 06 04	KIE	IP	0049 28.0			6.0
79 06 04	KT7	IPU	0049 28.5			6.0
79 06 04	KM3	IPD	0049 28.3			6.0
79 06 04	KKT	IP	0151 10.7			3.0
79 06 04	KIE	IP	0151 11.5			4.0
79 06 04	KT7	IP	0151 12.1			4.0
79 06 04	KM3	IP	0151 11.6		12.6	4.0
			1			
79 06 04	KIE	IP	0630 51.4			
79 06 04	KKT	IP	0745 19.2			4.0
79 06 04	KT7	IP	0745 20.2			5.0
79 06 04	KM3	IP	0745 19.8		21.4	5.0
			1			
79 06 04	KKT	IP	0850 24.0			5.
79 06 04	KIE	IPD	0850 24.3			8.0
79 06 04	KTX	IP	0850 25.0			5.0
79 06 04	KT7	IPU	0850 24.6			8.0
79 06 04	KM3	IPU	0850 24.4		25.8	5.0
			1			
79 06 04	KKT	IP	0855 50.2			4.0
79 06 04	KT7	IP	0855 51.0			4.0
79 06 04	KM3	IP	0855 50.8		52.0	4.0
			1			
79 06 04	KKT	IPD	1056 48.3			4.0
79 06 04	KIE	IP	1056 48.9			6.0
79 06 04	KTX	IP	1056 49.6			6.0
79 06 04	KT7	IP	1056 49.4			6.0
79 06 04	KM3	IPU	1056 48.95		51.2	6.0
			1			
79 06 04	KKT	IP	1214 23.45			3.0
79 06 04	KT7	IPD	1214 24.3			3.0
79 06 04	KM3	IPU	1214 23.85		25.5	3.0
			1			

79 06 04	KKT	IP	1312 47.1			4.0
79 06 04	KM3	IPU	1312 47.7		48.5	4.0
			1			
79 06 04	KKT	IP	1432 12.4			5.0
79 06 04	KIE	IPD	1432 13.3			5.0
79 06 04	KT7	IP	1432 14.0			5.0
79 06 04	KM3	IPU	1432 13.5		15.5	5.0
			1			
79 06 04	KKT	IPD	1536 46.2			4.0
79 06 04	KT7	IPU	1536 47.2		48.8	6.0
			1			
79 06 04	KM3	IPU	1641 11.35		12.9	6.
79 06 04	KT7	IPD	1641 11.7		13.4	8.0
79 06 04	KTX	EP	1641 12.2			4.0
79 06 04	KIE	IPD	1641 11.25			6.0
79 06 04	KKT	IPD	1641 10.7			4.0
			1			
79 06 04	KM3	IPU	1904 50.6		52.3	6.0
79 06 04	KT7	IPD	1904 51.05		52.7	7.0
79 06 04	KTX	EP	1904 51.4			4.0
79 06 04	KIE	IPD	1904 50.6		51.9	8.0
79 06 04	KKT	IP	1904 50.0		50.9	4.5
			1			
79 06 05	KM3	IPU	0628 01.8			4.0
79 06 05	KT7	IPD	0628 02.2			4.0
79 06 05	KKT	IPD	0628 01.1			3.0
79 06 05	KM3	IPU	0934 20.60		22.2	5.0
79 06 05	KT7	EP	0934 21.1		22.9	6.0
79 06 05	KIE	IPD	0934 20.6		22.0	6.0
79 06 05	KKT	IP	0934 19.95			4.0
			1			
79 06 05	KM3	IPU	1059 53.8		55.2	6.0
79 06 05	KT7	IPD	1059 54.15		55.7	7.0
79 06 05	KTX	EP	1059 54.6		56.2	5.0
79 06 05	KIE	EP	1059 53.75		55.0	6.0
79 06 05	KKT	IPD	1059 53.2		54.3	4.0
			1			
79 06 05	KM3	IPU	1455 27.25			4.0
79 06 05	KT7	IPD	1455 27.6			4.0
79 06 05	KKT	IPD	1455 26.6			3.0
79 06 06	KM3	EP	0146 44.9			3.5
79 06 06	KT7	EP	0146 45.3			4.0
79 06 06	KKT	EP	0146 44.3			3.0
79 06 06	KM3	IPU	0446 15.6		17.1	4.0
79 06 06	KT7	IPD	0446 16.05		17.6	4.0
79 06 06	KIE	EP	0446 15.55			4.0
79 06 06	KKT	IPD	0446 14.9			3.0
			1			
79 06 06	KM3	IPD	0701 33.2			4.0
79 06 06	KT7	IPD	0701 33.6			5.0
79 06 06	KKT	IPD	0701 32.5			3.0
79 06 06	KM3	IPU	0722 48.75		50.3	3.0
79 06 05	KT7	IPU	0722 49.1		50.7	5.0
79 06 06	KKT	IPD	0722 48.1			3.0
			1			
79 06 06	KM3	EP	0906 07.35			3.0

79 06 06	KM3	IPU	1056 08.55	09.9	4.0
79 06 06	KT7	IPD	1056 08.8		5.0
79 06 06	KKT	IPD	1056 07.8		3.0
			1		
79 06 06	KKT	IPU	1651 48.55		3.0
79 06 06	KT7	IPU	1651 49.5	51.0	4.0
			1		
79 06 06	KM3	IPU	1706 12.9	14.3	5.0
79 06 06	KT7	IPU	1706 13.3	14.8	6.0
79 06 06	KIE	IPD	1706 12.9	14.2	4.0
79 06 06	KKT	IPD	1706 12.3		4.0
			1		
79 06 06	KM3	IP	1927 43.9	45.2	6.0
79 06 06	KT7	IPD	1927 44.15		8.0
79 06 06	KIE	IPU	1927 43.85	45.1	6.0
79 06 06	KKT	IPD	1927 43.2	44.2	3.5
			1		
79 06 06	KM3	IPD	2227 26.85	28.3	4.0
79 06 06	KT7	IPD	2227 27.2	28.9	6.0
79 06 06	KIE	IPD	2227 26.85	28.2	4.0
79 06 06	KKT	EP	2227 26.25	27.2	3.0
			1		
79 06 06	KKT	IPD	2313 49.4		3.0
79 06 06	KT7	IP	2313 50.55		6.0
79 06 06	KTX	EP	2313 51.0		4.0
79 06 06	KIE	EP	2313 50.1		4.0
79 06 07	KM3	EP	0211 06.7	08.1	4.0
79 06 07	KT7	IPU	0211 07.05	08.7	5.0
79 06 07	KKT	IPD	0211 06.05		3.0
			1		
79 06 07	KM3	EP	0318 37.75	39.1	3.0
79 06 07	KT7	EP	0318 38.15	39.7	3.5
79 06 07	KKT	IPD	0318 36.9		2.0
			1		
79 06 07	KM3	IPU	0525 14.1	15.5	5.0
79 06 07	KT7	IPU	0525 14.35	15.9	7.0
79 06 07	KTX	IPU	0525 14.8		4.0
79 06 07	KIE	IPD	0525 14.05	15.3	5.0
79 06 07	KKT	IPD	0525 13.5		4.0
			1		
79 06 07	KM3	IPD	0545 03.8	05.1	48
79 06 07	KT7	IPD	0545 04.1		5.0
79 06 07	KIE	IPU	0545 03.8		3.0
79 06 07	KKT	IPD	0545 03.2		2.0
			1		
79 06 07	KM3	IPU	0545 57.95	59.4	4.0
79 06 07	KT7	IPD	0545 58.25		4.0
79 06 07	KKT	EP	0545 57.2		3.0
			1		
79 06 07	KM3	IPU	0545 42.65	44.1	5.0
79 06 07	KT7	EP	0545 43.0	44.5	6.0
79 06 07	KIE	IPD	0545 42.65	44.0	5.0
79 06 07	KKT	IPD	0545 42.0		3.0
			1		
79 06 07	KM2	EP	0733 00.6		
79 06 07	KM2	EP	0740 39.0		
79 06 07	KM3	EP	1040 04.15		
79 06 07	KT7	EP	1040 04.65		3.0

79 06 07	KKT	EP	1040 03.5			3.0
79 06 07	KKT	EP	1619 51.85			3.0
79 06 07	KT7	IPU	1619 53.1			6.0
79 06 07	KTX	EP	1619 52.9			4.0
79 06 07	KIE	IPD	1619 52.05			6.0
79 06 07	KKT	EP	2135 34.8			2.0
79 06 07	KT7	IPU	2135 35.95		37.7	4.0
79 06 07	KIE	EP	2135 34.9			3.0
			1			
79 06 07	KM3	IPD	2244 16.5		18.1	
79 06 07	KT7	IPU	2244 17.15			
79 06 07	KTX	IPU	2244 16.95			
79 06 07	KIE	IPU	2244 16.0			
79 06 07	KKT	EP	2244 15.9			
			1			
79 06 08	KM6	EP	0005 21.5			
79 06 08	KM3	EP	0725 05.85		07.4	4.0
79 06 08	KT7	IPU	0725 06.1		07.7	4.0
			1			
79 06 08	KM9A	IPD	0800 01.75		02.5	6.0
79 06 08	KM5	IPU	0800 02.35		03.8	2.0
79 06 08	KM6	EP 2	0800 03.9			4.0
79 06 08	KT7	EP 2	0800 07.3			4.0
79 06 08	KM2	EP 2	0800 05.25		07.2	4.0
			1			
79 06 08	KM3	IPU	0836 41.8		43.1	4.0
79 06 08	KT7	IPU	0836 42.1		43.7	4.0
79 06 08	KIE	IPD	0836 41.75			4.0
			1			
79 06 09	KM6	EP	0641 39.25			
79 06 10	KT8	EP	0644 58.5			
79 06 10	KM6	EP	0700 31.0			
79 06 11	KM3	IPU	1012 28.0		29.6	6.0
79 06 11	KT7	IPD	1012 28.45			7.0
79 06 11	KTX	IPU	1012 28.3			4.0
79 06 11	KIE	IPD	1012 27.8			5.0
			1			
79 06 11	KT1	EP	1402 58.1			
79 06 11	KM2	EP	1402 59.7			
79 06 11	KM3	EP	1403 02.3			
79 06 11	KT4	EP	1402 59.0			
79 06 11	KM6	EP	1403 02.5			
79 06 11	KT7	EP	1403 01.2			
79 06 11	KT8	EP	1403 03.9			
79 06 11	KTX	EP	1403 03.3			
79 06 11	KIE	EP	1403 03.4			
79 06 11	KM3	IPU	1556 08.25			8.0
79 06 11	KT7	IPU	1556 08.65			9.0
79 06 11	KTX	IPU	1556 08.6			7.0
79 06 11	KIE	IPD	1556 08.0			9.0
79 06 11	KM3	EP	1607 03.9		05.2	4.0
79 06 11	KT7	IPD	1607 04.25			6.0
			1			

79 06 12	KM6	EP	0143 05.2			
79 06 12	KM3	EP	0610 03.5	05.5	4.0
79 06 12	KT7	EP	0610 04.0		6.0
			1		
79 06 12	KM3	EP	2140 34.2		
79 06 13	KT1	EP	0144 03.0		
79 06 13	KM3	EP	1057 26.4		-
79 06 14	KM6	EP	1158 09.9		
79 06 14	KT1	EP	1455 10.0		25.0
79 06 14	MOT	EP	1455 28.3		
79 06 14	KM3	IPD	1455 04.5		25.0
79 06 14	KT4	IPD	1455 07.2		25.0
79 06 14	KM5	IPU	1455 05.35		25.
79 06 14	KM6	EP	1455 09.1		25.0
79 06 14	KT7	IPD	1455 05.6		25.0
79 06 14	KT8	IPD	1455 04.2		25.0
79 06 14	KTX	IPD	1455 07.8		25.0
79 06 14	KIE	IPD	1455 05.6		25.0
79 06 14	KM3	IPU	1818 29.2		3.0
79 06 14	KT7	IPU	1818 29.7	30.8	4.0
79 06 14	KIE	IPD	1818 28.9		3.5
			1		
79 06 15	KM3	EP	0902 29.5		
79 06 15	KM2	EP	2026 23.5		
79 06 16	KM2	EP	2119 33.15		20.0
79 06 16	MOT	EP	2119 53.2	2016	
79 06 16	KM3	EP	2119 33.65		20.0
79 06 16	KT4	EP	2119 34.9		20.0
79 06 16	KM5	EP	2119 30.1		20.0
79 06 16	KM6	EP	2119 28.5		20.0
79 06 16	KT7	EP	2119 34.8		20.0
79 06 17	KT1	EP	1516 28.5		
79 06 17	KT1	EP	1943 33.5		
79 06 17	KM3	EP	1943 31.2		
79 06 17	KT4	EP	1943 33.0		
79 06 17	KM5	EP	1943 31.0		
79 06 17	KM6	EP	1943 31.15		
79 06 17	KT7	EP	1943 31.8		
79 06 17	KT8	EP	1943 30.7		
79 06 17	KTX	EP	1943 30.75		
79 06 17	KIE	EP	1943 30.6		
79 06 18	KM3	IPU	2234 42.4	43.9	3.0
79 06 18	KT7	IPU	2234 3.0		5.0
79 06 18	KTX	IPU	2234 2.52		3.0
79 06 18	KIE	IPD	2234 2.05		3.0
			1		
79 06 19	KM3	EP	0659 44.9		
79 06 19	KM3	IPU	1756 51.75	53.0	3.0
79 06 19	KT7	IPU	1756 52.2		4.5

79 06 19	KTX	IPU	1756 52.3			3.0
79 06 19	KIE	IPD	1756 51.5			4.0
			1			
79 06 20	KM3	IPU	0319 55.4		56.9	4.0
79 06 20	KT7	IPU	0319 55.75			4.0
79 06 20	KIE	IPU	0319 55.45			3.0
			1			
79 06 20	KM3	IPU	0831 47.6		49.1	3.0
79 06 20	KT7	IPU	0831 47.9			3.0
			1			
79 06 20	KM3	IPU	2157 57.65		79.1	3.0
79 06 20	KT7	IPD	2157 57.9			4.0
			1			
79 06 21	KM3	IPU	1216 43.0		44.5	2.5
79 06 21	KT7	IPU	1216 43.6			3.0
79 06 21	KIE	IPD	1216 42.9			2.5
79 06 21	KM6	EP	1418 00.45			
79 06 21	KM6	EP	1709 03.4			
79 06 22	KM6	EP	0634 43.7			
79 06 23	KM3	IPU	0123 41.95		43.6	4.0
79 06 23	KT7	IPU	0123 42.25		43.8	4.0
			1			
79 06 23	KT1	EP	0310 39.7			
79 06 24	KT1	EP	0121 59.6		34.4	
79 06 24	KM3	EP	0551 16.4		17.8	4.0
79 06 24	KT7	IPD	0551 16.65		18.2	5.0
			1			
79 06 24	KT1	EP	0911 11.0			
79 06 25	KM3	EP	1113 41.5			
79 06 25	KM3	EP	1237 57.5			
79 06 25	KT7	EP	1512 32.5			
79 06 26	KT7	EP	1530 33.5			
79 06 26	KT7	EP	1530 58.0			
79 06 26	KT7	EP	2302 34.4			
79 06 26	KT8	EP	2315 45.5			
79 06 27	KT7	EP	0910 35.0			
79 06 27	KT7	EP	0956 25.0			
79 06 27	KT8	EP	2157 22.0			
79 06 27	KT8	EP	2315 54.0			
79 06 29	KT7	EP	1446 57.4			
79 06 30	KT7	EP	0038 52.5			

79	06	30	KIE	EP	0839	22.7	15.0
79	06	30	KTX	EP	0839	23.0	15.0
79	06	30	KT7	EP	0839	22.3	15.0
79	06	30	KM6	EP	0839	21.0	15.0
79	06	30	KM5	EP	0839	21.4	15.0
79	06	30	KT4	EP	0839	25.0	15.0
79	06	30	KM3	EP	0839	23.0	15.0
79	06	30	KT1	EP	0839	24.0	15.0
79	06	30	ALQ	EP	0839	59.5	15.0
79	06	30	KT7	EP	2059	10.0	

TABLE 2

PHASE LIST FOR EVENTS IN JULY

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 07 01	KT7	EP	0608 30.5		
79 07 01	KT7	EP	2044 18.8		
79 07 02	KIE	EP	2318 04.6		50.0
79 07 02	KTX	EP	2318 05.6		50.0
79 07 02	KM9A	EP	2318 07.0		50.0
79 07 02	KT8	EP	2318 07.4		50.0
79 07 02	KM2	EP	2318 06.0		50.0
79 07 03	KIE	IP	0815 02.7		6.0
79 07 03	KTX	IP	0815 04.5		4.0
79 07 03	KT7	IP	0815 05.0		6.0
79 07 03	KM3	IP	0815 04.2		4.0
79 07 04	KTX	IP	0026 30.4		6.0
79 07 04	KT7	IP	0026 31.4		6.0
79 07 04	KM3	IP	0026 31.4	32.0	4.0
79 07 04	KT7	EP	0619 55.0		
79 07 04	KT7	EP	1019 45.0		
79 07 05	KT7	EP	0623 40.75		
79 07 06	KT7	EP	0212 27.4		
79 07 06	KIE	IP	0326 26.3	7.3	4.0
79 07 06	KTX	IP	0326 27.0		4.0
79 07 06	KT7	IP	0326 27.3		6.0
79 07 06	KIE	EP	1354 56.4		4.0
79 07 06	KT7	EP	1354 57.7		4.0
79 07 06	KM3	EP	1354 56.6		4.0
79 07 07	KTX	EP	0937 37.5		
79 07 08	KT8	EP	0923 03.0		8.0
79 07 08	KT7	EP	0923 03.8		6.0
79 07 08	KM6	EP	0923 03.5		6.0
79 07 08	KT4	EP	0923 04.6		6.0
79 07 10	KT7	EP	0412 12.6		2.0
79 07 10	KM6	EP	0412 11.0		2.0
79 07 10	KT4	EP	0412 10.5		2.0
79 07 10	KT1	IP	0412 08.8		4.0
79 07 10	KT7	IP	1035 43.2		6.0
79 07 10	KM3	IP	1035 42.7	44.5	6.0
79 07 10	KT8	EP	1404 50.0		
79 07 10	KT7	EP	2156 52.5		

79	07	11	KT7	EP	0211 12.3		
79	07	11	KT7	IPU	0338 24.5		4.5
79	07	11	KM3	IP	0338 26.2	28.8	4.0
					1		
79	07	11	KM6	EP	1414 20.0		
79	07	12	KT3	EP	1849 45.3		
79	07	12	KT7	EP	2315 12.4		
79	07	13	KT7	EP	0824 55.4		
79	07	14	KT7	EP	0640 42.0		
79	07	15	KT7	EP	2000 56.3		
79	07	16	KT7	EP	0008 22.7		

TABLE 2

PHASE LIST FOR EVENTS IN AUGUST

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 08 03	KT7	IPD	0926 52.0	3.5	3.0
79 08 03	KKT	IPU	0926 51.5		3.0
			1		
79 08 08	KM6	EP	1503 00.0		
79 08 08	KT7	EP	2258 22.8		
79 08 09	KKT	IP	0502 41.4		6.0
79 08 09	KIE	IP	0502 41.4		6.0
79 08 09	KTX	IP	0502 42.0		5.0
79 08 09	KT7	IP	0502 42.0		12.0
79 08 09	KIE	IPD	0959 33.8		6.0
79 08 09	KTX	IP	0959 34.5		6.0
79 08 09	KT7	IPU	0959 34.4	6.0	6.0
79 08 09	KT7	IPU	1052 18.6		6.0
79 08 09	KIE	IPD	1052 18.0	9.2	4.0
79 08 09	KTX	IP	1052 18.7		4.0
79 08 12	KT7	EP	1530 25.1		
79 08 12	KIE	IPU	1613 37.0	9.4	5.0
79 08 12	KTX	IP	1613 37.6		4.0
79 08 12	KT7	IPD	1613 37.3		5.0
79 08 12	KIE	IP	1741 27.4		6.0
79 08 12	KTX	IP	1741 28.4	0.5	5.0
79 08 12	KT7	IP	1741 28.0		6.0
79 08 12	KIE	IPD	2023 48.8		8.0
79 08 12	KTX	IPU	2023 49.2		6.0
79 08 12	KT7	IPU	2023 49.0		6.0
79 08 12	KT7	EP	2235 29.3		
79 08 12	KIE	IP	0503 56.0		10.0
79 08 12	KTX	IP	0503 56.7		4.0
79 08 12	KT7	IP	0503 56.1		6.0
79 08 12	KT7	EP	0726 20.0		
79 08 13	KT7	IP	1200 35.35		10.0
79 08 13	KTX	IPU	1200 35.8	37.4	7.0
79 08 13	KIE	IPD	1200 35.1		10.0
			1		
79 08 13	KT7	IPU	1309 19.75	21.3	8.0
79 08 13	KTX	IPD	1309 20.3		4.0
79 08 13	KIE	IPU	1309 19.5		5.0
			1		
79 08 16	KT7	IPU	0621 42.2	44.0	6.0
79 08 16	KTX	EP	0621 42.7		3.0
			1		

79 08 16	KT7	IPU	0813 17.25		10.0
79 08 16	KTX	IPU	0813 17.35		6.0
79 08 16	KIE	IPD	0813 16.6		9.0
79 08 16	KIE	EP	1546 33.9		
79 08 16	KT7	IPD	1617 16.0	17.6	5.0
79 08 16	KIE	EP	1617 16.6		3.0
			1		
79 08 16	KIE	IP	2042 38.4		6.0
79 08 16	KTX	IP	2042 39.3		4.0
79 08 16	KT7	IP	2042 38.9		6.0
79 08 16	KIE	IP	2236 07.6	08.5	4.0
79 08 16	KTX	IP	2236 08.2		4.0
79 08 16	KT7	IPU	2236 08.2	09.2	7.0
79 08 17	KIE	IP	0123 54.5		8.0
79 08 17	KTX	IP	0123 55.4	57.0	4.0
79 08 17	KT7	IP	0123 54.5	56.2	8.0
79 08 17	KTX	EP	1144 56.0		20.0
79 08 17	KM9	EP	1144 54.5		20.0
79 08 17	KT8	EP	1144 70.0		20.0
79 08 17	KT7	EP	1144 55.5		20.0
79 08 18	KIE	IP	2014 08.3		4.0
79 08 18	KTX	IP	2014 09.1		4.0
79 08 18	KT7	IP	2014 08.5		6.0
			1		
79 08 18	KIE	IP	2021 17.5	18.5	4.0
79 08 18	KTX	IP	2021 16.2		4.0
79 08 18	KT7	IP	2021 18.2	19.5	6.0
79 08 18	KT7	EP	2253 08.3		
79 08 27	KKT	1P	1737 41.2	2.1	4.0
79 08 27	KIE	IPD	1737 41.5		4.0
79 08 27	KTX	1P	1737 42.2		4.0
79 08 27	KTX	IP	1907 28.0		3.0
79 08 27	KIE	1PD	1907 28.4		4.0
79 08 27	KTX.	1P	1907 29.0		4.0
79 08 27	KTX	1P	2110 20.4	1.2	4.0
79 08 27	KIE	1P	2110 21.4		4.0
			1		
79 08 27	KKT	1P	2112 58.3		4.0
79 08 27	KIE	1PD	2112 58.4	9.5	4.0
79 08 27	KTX	1PU	2112 59.2		4.0
79 08 27	KKT	1P	2138 44.4	5.4	4.0
79 08 27	KIE	1PD	2138 45.2	6.5	4.0
79 08 27	KTX	1PU	2138 45.9		4.0
79 08 28	KKT	1P	0004 47.7	9.2	4.0
79 08 28	KIE	1PD	0004 48.1		4.0
79 08 28	KTX	1PD	0004 48.8		4.0
79 08 28	KKT	1P	0759 38.5	9.3	4.0
79 08 28	KIE	1P	0759 39.0		4.0

79	08	28	KTX	1P	0759	39.6		4.0
79	08	28	KKT	1P	1516	26.2		4.0
79	08	28	KIE	IPD	1516	26.6		4.0
79	08	28	KTX	1PD	1516	27.3		4.0
79	08	28	KIE	EP	0701	24.7		
79	08	28	KKT	1P	1709	21.2		4.0
79	08	28	KIE	1PD	1709	21.1		6.0
79	08	28	KTX	1PD	1709	22.3	3.6	4.0
79	08	28	KKT	1PD	1852	42.6	4.0	4.0
79	08	28	KIE	1PD	1852	43.1	4.3	4.0
79	08	28	KTX	IP	1852	43.8		4.0
79	08	29	KKT	1PD	1704	24.3	5.3	4.0
79	08	29	KIE	1PD	1704	24.5		4.0
79	08	29	KTX	1PU	1704	25.3		4.0
79	08	30	KKT	1PD	0447	18.4		4.0
79	08	30	KIE	1PD	0447	18.7		7.0
79	08	30	KTX	1PD	0447	19.4	1.0	6.0
79	08	30	KKT	1PD	1232	03.4		6.0
79	08	30	KIE	1PD	1232	03.8		6.0
79	08	30	KTX	1PU	1232	04.4		6.0
79	08	30	KTX	EP	1716	25.7		
79	08	31	KTX	EP	0535	58.5		
79	08	31	KT8	EP	1941	05.8		

TABLE 2

PHASE LIST FOR EVENTS IN SEPTEMBER

DATE	STATION	PHASE (Q)	G.M.T.	(S TIME)	DURATION
79 09 01	KKT	IP	0021 29.4		4.0
79 09 01	KIE	IP	0021 2.34		4.0
79 09 01	KTX	IP	0021 2.34		4.0
79 09 02	KKT	IP	1042 07.9		6.0
79 09 02	KIE	IP	1042 08.2		6.0
79 09 02	KTX	IP	1042 09.02	21.0	4.0
			1		
79 09 02	KT8	EP	0115 56.4		
79 09 04	KIE	EP	2357 00.8		
79 09 05	KIE	EP	1502 56.0		
79 09 11	KKT	IP	0537 .6		4.0
79 09 11	KIE	IP	0533 8.1		4.0
79 09 11	KTX	IP	0533 8.7		4.0
79 09 10	KTX	EP	1650 43.0		
79 09 12	KIE	EP	0050 40.0		
79 09 13	KIE	EP	0709 0090		
79 09 15	KIE	EP	1011 39.0		
79 09 15	KKT	IP	2247 1296		10.
79 09 15	KIE	IP	2247 112.6		10.
79 09 15	KTX	IP	2247 114.6		10.
79 09 16	KIE	EP	1650 04.0		
79 09 17	KIE	EP	0957 59.5		10.0
79 09 17	KTX	EP	0957 59.4		10.0
79 09 17	KM6	EP	0958 00.5		10.0
79 09 17	KM5	EP	0958 00.5		10.0
79 09 17	KT4	EP	0958 02.5		10.0
79 09 21	KKT	IP	0114 25.3		4.0
79 09 21	KIE	IP	0114 25.3		4.0
79 09 21	KTX	IPU	0114 26.3		4.0
79 09 22	KTX	EP	0808 19.3		
79 09 22	KKT	IP	2203 21.2		6.0
79 09 22	KIE	IP	2203 21.5		6.0
79 09 22	KTX	IP	2203 22.3		6.0
79 09 23	KTX	EP	1027 36.3		
79 09 26	KM6	EP	1503 01.7		

APPENDIX IV

This appendix presents the logs of the operating stations and the quality of the stations as determined from the records on a daily basis. The quality of the epicenter locations proved to be closely related to the number and quality of operating stations. Trends in the number of events located should first be correlated with the station log before looking for alternative causes. It is possible that fluctuations in the number of events detected or located are a reflection of the addition of a new station, the revival of an old station, the loss of an existing station, or even the daily noise around a station.

To further explain the notation used in the logs, the following information is given:

Quality factor	Causes
0	- No transmission
	- No effect recorded from regional events
	- Records were overdeveloped, unusable
1	- Low gain setting
	- High background noise
	- Consistent electronic noise
2	- No trouble in recording data

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF DECEMBER, 19 75

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT2												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTE												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTT												2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JANUARY, 19 76

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF FEBRUARY, 1976

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KTE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF MARCH, 1976

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
KTE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF APRIL, 19 76

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT5																					1	1	1	1	1	1	1	1	1	1	
KT7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT9	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTT	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	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF MAY, 19 76

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT7	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
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
KT9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JUNE, 19 76

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT7	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	
KT8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JULY, 1976

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT7	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT8	1	1	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
KT9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTE	2	2	2	2	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
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF AUGUST, 19 76

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
KT8	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF SEPTEMBER, 19 76

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT7	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	
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF OCTOBER, 19 76

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
KT2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KT5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
KT5A																						2	2	2	2	2	2	2	2	2	2
KT7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
KT9A																						2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTEA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2										
KTEA																						2	2	2	2	2	2	2	2	2	2
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF NOVEMBER, 19 76

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT5A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT6A						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTEA	2	2	2	2	2	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	
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF DECEMBER, 1976

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	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
KT5A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT6A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTEA	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JANUARY, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT5A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT6A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTEA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF FEBRUARY, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT5A	2	2	2	2	2	1	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT6A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KTEA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF MARCH, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT5A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT6A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTEA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF APRIL, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT5A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT6A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTEA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF MAY, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT5A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT6A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2											
KM6																					2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTEA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
KTT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JUNE, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT2	2	2	2	2	2	2	2	2																							
KM2									2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT5A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTEA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KTT	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JULY, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT5A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTEA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KTT	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

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF August, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
KM2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT5A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT9A	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTFA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
KTT	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

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF September, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KM2	2	2	2	2	1	1	1									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT4	2	2	2	2	2	2	2									2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT5A	1	1	1	1	1	1	1									1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	
KM6	2	2	2	2	2	2	2									2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KT8	2	2	2	2	2	2	2									2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT9A	1	1	1	1	1	1	1									1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KTX	2	2	2	2	2	2	2									2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTEA	0	0	0	0	0	0	0									0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	
KTT	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Notes: SEPTEMBER 8-15 -- RECORDS LOST IN THE MAIL.

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF October, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	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
KM2	1	1	1	1	1	1	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
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
KT5A	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
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	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
KT8	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT9A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KTX	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
KTEA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KTT	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

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF November, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	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	
KM2	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	
KT4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT5A	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	
KM6	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KT7	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	
KT8	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KT9A	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	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTEA	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	
KTT	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	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF December, 19 77

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
KT1	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	
KM2	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT5A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KM6	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	0	0	0	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT9A	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTEA	0	0	0	0																												a
KIE					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	
KTT	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	

Notes: a.) STATION KTEA MOVED TO NEW LOCATION (KIE)

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JANUARY, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
KT1	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KMT						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	A

Notes: a.) STATION KMT WAS SET UP 1/6/78

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF FEBRUARY, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KM5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KT8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KMT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF MARCH, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KMT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF APRIL, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		A
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KM3										2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1		B
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KM5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KT8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
KTX	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
KIF	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
KMT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1		

Notes: a) NO FILM WAS AVAILABLE AT TIME OF PUBLICATION FOR THE 27th OR 28th,

b) STATION KM3 WAS SET UP 4/9/78

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF MAY, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
KM2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
KM5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KT7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
KMT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JUNE, 1978

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KM2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM6	2	2	2	2	0	0	0	0	0	0	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KKT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JULY, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM6	1	1	1	1	1	0	0	0	0	0	0	0	0	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
KT7	1	1	1	1	1	1	1	1	1	1	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KKT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF AUGUST, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KM3	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KM5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
KKT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						

Notes: AUGUST 26-31 -- RECORDS LOST IN THE MAIL.

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF SEPTEMBER, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1				1	1	1						1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	
KM2				2	2	2						2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
KM3				2	2	2						2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	
KT4				2	2	2						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM5				2	2	2						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM6				1	1	2						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7				2	2	2						1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
KT8				2	2	2						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM9				1	1	1						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX				2	2	2						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KIE				2	2	2						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KKT				2	2	2						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Notes: SEPTEMBER 1-3 AND 7-11 -- RECORDS LOST IN THE MAIL.

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF OCTOBER, 1978

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	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
KM2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2
KM5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	1	1	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
KT8	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM9	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KIE	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KKT	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF NOVEMBER, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	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	
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	
KM5	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM9	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KIE	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	
KKT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF DECEMBER, 19 78

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	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
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM5	2	2	2	2	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
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
KT7	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KIE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KKT	2	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JANUARY, 19 79

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	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
KM2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
KM6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KT7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM9	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KTX	2	2	2	2	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2
KKT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF FEBRUARY, 19 79

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	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			
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2			
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KM5	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2			
KM6	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KT7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KM9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1			
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2			
KKT	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2			

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF MARCH, 19 79

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM9	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
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2
KKT	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF APRIL, 19 79

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM9	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	
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KKT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF MAY, 1979

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
KM2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KM9	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KTX	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KIE	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
KKT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes: _____

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JUNE, 19 79

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	1	1	1	1	1	1	1	1	2	2	*	2		2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	
KM2	2	2	2	2	2	2	2	2	2	2		2	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	
KM3	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT4	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM5	2	2	2	2	2	1	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM6	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT7	2	2	2	2	2	1	2	2	2	2		2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
KT8	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KM9A	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	
KTX	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KIE	2	2	2	2	2	1	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
KKT	2	2	2	2	2	2	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	

Notes: *On the 10th of June, the film was overexposed.

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF JULY, 1979

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KM2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1															
KM3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KM5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KT7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KT8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2															
KKT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1															

Notes: JULY 17-31 -- RECORDS LOST IN THE MAIL.

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

MONTH OF AUGUST, 1979

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1							2	2	2	2	2	2	2	2	2	2	2	2									2	2	2	2	2
KM2							1	1	1	1	1	1	1	1	1	1	1	1									1	1	1	1	1
KM3							2	2	1	1	1	1	1	1	1	1	1	1									0	0	0	0	0
KT4							2	2	2	2	2	2	2	2	2	2	2	2									1	1	1	1	1
KM5							2	2	2	2	2	2	2	2	2	2	2	2									2	2	2	2	2
KM6							2	2	2	2	2	2	2	2	2	2	2	2									2	2	2	2	2
KT7							2	2	2	2	2	2	2	2	2	2	2	2									2	2	2	2	2
KT8							2	2	2	2	2	2	2	2	2	2	2	2									2	2	2	2	2
KM9							2	2	2	2	2	2	2	2	2	2	2	2									2	2	2	2	2
KTX 10							2	2	2	2	2	2	2	2	2	2	2	2									2	2	2	2	2
KIE 11							2	2	2	2	2	2	2	2	2	2	2	2									2	2	2	2	2
KKT 12							1	1	1	1	1	1	1	1	1	1	1	1									1	1	1	1	1

Notes: AUGUST 1-6 AND AUGUST 19-26 -- RECORDS LOST IN THE MAIL.

KERMIT STATION LOG

TABLE 3

0 — DEAD OR NOT INSTALLED

MONTH OF SEPTEMBER, 1979

1 — NOISY, THRESHOLD > 1.5

2 — QUIET, THRESHOLD < 1.5

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
KT1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
KM2	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					
KM3	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					
KT4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
KM5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
KM6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
KT7	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					
KT8	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					
KM9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
KTX	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
KIE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
KKT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					

Notes: _____

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