STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

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Report of Investigations 86-17
SUMMARY OF ALASKA EARTHQUAKES
FOR THE PERIOD
JANUARY, FEBRUARY, AND MARCH 1985

Compiled by
Hans Pulpan and J.N. Davies

STATE OF ALASKA
Department of Natural Resources
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

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INTRODUCTION

This report lists the parameters of earthquakes that occur in and near areas encompassed by the network of seismograph stations operated or recorded by the University of Alaska Geophysical Institute (UAGI) (fig. 1; table 1). The goal of this report is to provide a convenient reference source for earthquake activity in the seismic-network area and quantitative information that researchers, administrators, planners, and other interested people can use. Therefore, this report contains hypocentral parameters and information about the quality of data and precision of the parameters. Because of the substantial quantity of data, this report is based on routine data processing. However, earthquakes are located as accurately and with as many useful data as possible. Additional data and more sophisticated methods of analysis might lead to more accurate locations.

DATA COLLECTION

The data used in this report are derived from two principal sources: seismic stations operated by UAGI and seismic stations operated by other agencies whose data are continuously recorded by UAGI under data-sharing or data-exchange agreements. For earthquakes of local magnitude (M_L) ≥ 3 , we receive records of earthquake arrival times at several stations of the Alaska Tsunami Warning System that is operated by the National Oceanic and Atmospheric Administration (NOAA).

Signals from various stations are transmitted by UAGI-operated VHF-radio links and leased commercial-telephone circuits to one of two recording centers in Homer and Fairbanks that are operated by the University of Alaska. Remote stations are serviced and calibrated annually; stations easily accessible by road are serviced more frequently if necessary. Difficult access to many stations can result in lengthy data losses if instruments have malfunctioned. Significant data losses result in lower detection thresholds and poorer solution qualities for earthquakes in the affected regions. To discern such conditions, a station-use record is provided in figure 2.

Data are recorded on 16-mm film on several Teledyne Geotech Develocorders that have a 20-channel capacity. Satellite-linked clocks provide time marks that are superimposed on the records. Figure 3 shows the typical response of the seismic-network system from transducer to recorder.

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Figure 1. All seismic-network stations operated by the University of Alaska and by other organizations whose data were used in this report. See table 1 for station names.

Table 1. Names and parameters of seismic-network stations used to prepare this report.

Code	Station	Latitude (N.)	Longitude (W.)	Elevation (m)	Velocity model ^a	Operator
AUE	Augustine East	59° 21.54'	153° 22.33'	172	2	UAGI ^b
AUH	Augustine Hill	59° 21.83'	153° 26.61'	900	2	UAGI
AUL	Augustine Lava Flow	59° 22.93'	153° 26.07'	360	2	UAGI
BC3	Beaver Creek	63° 4.00'	141° 45.50'	762	1	UAGI
BER	Bench	66° 0.90'	141° 48.70'	961	1	UAGI
BLR	Black Rapids	63° 30.10'	145° 50.70'	810	1	UAGI
BM3	Burnt Mountain	67° 17.18'	144° 25.17'	305	1	UAGI
BRK	Bradley Lake	59° 45.85'	150° 53.13'	631	2	USGS
BRV	Barrow	71° 18.40'	156° 44.90'	13	1	UAGI
CCB	Clear Creek Butte	64° 38.80'	147° 48.33'	219	1	UAGI
CDD	Cape Douglas	58° 55.79'	153° 38.58'	622	2	UAGI
CNP	China Poot Bay	59° 31.55'	151° 14.16'	564	2	USGS
DMB	Deadman Bay	57° 5.23'	153° 57.63'	300	3	UAGI
FB2	Fairbanks	64° 54.00'	147° 47.60'	320	1	UAGI
FIH	Fish	66° 31.67'	150° 25.25'	1102	1	UAGI
FYU	Fort Yukon	66° 33.96'	145° 13.90'	137	1	UAGI
GKC	Gold King Creek	64° 10.72'	147° 56.08'	490	1	UAGI
GLM	Gilmore Dome	64° 59.24'	147° 23.34'	820	1	UAGI
HDA	Harding Lake	64° 24.35'	146° 57.23'	450	1	UAGI
HOM	Homer	59° 39.50'	151° 38.60'	198	2	UAGI
IMA	Indian Mountain	66° 4.10'	153° 40.72'	1380	1	NOAA ^c
KDC	Kodiak	57° 44.87'	152° 29.50'	13	3	NOAA
LVY	Levy	64° 13.00'	149° 15.20'	230	1	UAGI
MCK	McKinley Park	64° 43.94'	148° 56.10'	618	1	UAGI
MID	Middleton Island	59° 25.67'	146° 20.33'	37	4	NOAA
MMN	McNeil River	59° 11.11'	154° 20.20'	442	2	UAGI
NEA	Nenana	64° 34.63'	149° 4.63'	364	1	UAGI
OPT	Oil Point	59° 39.16'	153° 13.78'	450	2	UAGI
PAX	Paxson	62° 58.25'	145° 28.12'	1130	1	UAGI
PDB	Pedro Bay	59° 47.27'	154° 11.55'	305	2	UA/USGS ^d
PME	Palmer East	61° 37.70'	149° 1.90'	232	2	NOAA
PMR	Palmer Observatory	61° 35.53'	149° 7.85'	100	2	NOAA
PMS	Palmer - Arctic Valley	61° 14.68'	149° 33.63'	716	2	NOAA
PNL	Peninsula	59° 40.06'	130° 23.82'	585	5	USGS
PWA	Palmer West - Houston	61° 39.05'	149° 52.72'	137	2	UAGI
RAI	Raspberry Island	58° 3.63'	153° 9.55'	520	3	UAGI
RDS	Richard D. Siegrist	64° 49.59'	148° 8.68'	930	1	UAGI
RED	Redoubt Volcano	60° 25.14'	152° 46.32'	1087	2	UAGI
RGV	Remote Gate Value	66° 15.87'	150° 19.93'	506	1	UAGI
SCM	Sheep Mountain	61° 50.00'	147° 19.66'	1020	4	UAGI
SDN	Sand Point	55° 20.40'	160° 29.83'	19	6	NOAA
SHU	Shuyak Island	58° 37.68'	152° 20.93'	10	3	UAGI
SII	Sitkinak Island	56° 33.60'	154° 10.92'	500	3	UAGI
SIT	Sitka	57° 09.85'	135° 19.47'	19	2	NOAA
SKD	Sitkalidak Island	57° 9.85'	153° 4.82'	135	3	UAGI
SKN	Skwentna	61° 58.86'	151° 31.78'	564	2	USGS
SPL	Spiridon Lake	57° 45.55'	153° 46.28'	600	3	UAGI
SPU	Mount Spurr	61° 10.90'	152° 3.26'	800	2	USGS
SVW	Sparrevohn	61° 6.49'	155° 37.30'	762	2	NOAA
TOA	Tolsona	62° 6.29'	146° 10.34'	909	4	NOAA
TTA	Tatalina	62° 55.80'	156° 1.32'	914	2	NOAA
UGI	Ugak Island	57° 23.67'	152° 16.90'	213	3	UAGI
WRH	Wood River Hill	64° 28.28'	148° 5.39'	314	1	UAGI
YAK	Yakutat	59° 32.72'	139° 43.73'	15	5	NOAA

^aSee tables 2, 3, and 4.

^bUniversity of Alaska Geophysical Institute.

^cNational Oceanic and Atmospheric Administration.

^dU.S. Geological Survey.

Figure 2. Station-use record. Lines indicate that at least one arrival-time was read from a specific station operating on a specific day. Nonuse does not imply that a station was malfunctioning, but rather that no data were required to locate earthquakes. See table 1 for station names.

Figure 3. Typical response of a seismic-network station operated by the University of Alaska Geophysical Institute. Magnification is the ratio of the amplitude measured on the filmviewer to that of the actual ground motion recorded. Actual values vary with station.

DATA PROCESSING

Arrival times of body waves are read from the 16-mm film with Geotech filmviewers that provide a time resolution of 0.1 s/mm. Thus, the impulsive arrivals can be read to 0.05 s.

Earthquake locations are based on arrival times of P and S waves. As many S arrivals as possible are used to help determine hypocentral depth. Most S readings are obtained from vertical components because few three-component systems are recorded. When large earthquakes occur, traces overlap on multichannel-film recorders; consequently, S arrivals are difficult to identify.

After earthquakes are identified and arrival times are determined, phase data are processed with the HYPOELLIPSE computer program (Lahr, 1980) to obtain earthquake parameters. Each solution is checked for the root-mean-square (RMS) error of travel-time residuals and the spatial distribution of stations used. Solutions that have residuals 0.5 s or greater are reread. If the stations used are poorly distributed, additional data are sought from stations not recorded by UAGI. Events recorded by fewer than six stations receive less attention. Data for earthquakes of $M_L \geq 3.5$ are processed more carefully, sometimes by changing control parameters in the computer program.

VELOCITY MODELS

The tectonic regime and geologic setting vary greatly throughout the area covered by the UAGI seismic network. Although our knowledge of the seismic-velocity structure is limited, significant variations exist. To account for these variations, each UAGI station is associated with one of three velocity models (tables 1 through 4), depending on the station's location. The models vary only with depth; lateral variation of velocity is not considered. For stations outside the UAGI seismic network, we generally use models adopted by the station's operators (table 1). For all models, $S \text{ velocity} = \frac{P \text{ velocity}}{\sqrt{3}}$.

Model 1 is used primarily in central and northern Alaska (figs. 4 and 5) and is based on unpublished data by Biswas (oral commun., 1978). The upper mantle structure is based on travel-time studies by Biswas and Bhattacharya (1974).

Table 2. Velocity model 1.

<u>Layer</u>	<u>Depth (km)</u>	<u>P velocity (km/sec)</u>
1	0-24	5.9
2	24-40	7.4
3	40-76	7.9
4	76-300	8.3
5	301-545	10.4
6	>545	12.6

Table 3. Velocity model 2.

<u>Layer</u>	<u>Depth (km)</u>	<u>P velocity (km/sec)</u>
1	0-2	2.75
2	2-4	5.3
3	4-10	5.6
4	10-15	6.2
5	15-20	6.9
6	20-25	7.4
7	25-33	7.7
8	33-47	7.9
9	47-65	8.1
10	>65	8.3

Model 2 is associated with stations located in the Cook Inlet - Kenai Peninsula area (figs. 6 and 7) and is used by the USGS for locating earthquakes in the same area. It is a modified version of the model determined by Matumoto and Page (1969) from travel-time studies of aftershocks of the 1964 Great Alaska earthquake.

Table 4. Velocity model 3.

<u>Layer</u>	<u>Depth (km)</u>	<u>P velocity (km/sec)</u>
1	0-1.6	4.2
2	1.6-12	5.5
3	12-42	6.6
4	42-60	8.06
5	60-80	8.09
6	80-100	8.11
7	100-150	8.14
8	150-200	8.27
9	200-250	8.41
10	250-300	8.50
11	300-350	8.74
12	>350	9.02

Model 3 is used on Kodiak Island and the Alaska Peninsula. The depth and velocity of the first three layers are based on refraction experiments in the central Aleutian Islands (Engdahl and Tarr, 1970). The remaining layers are based on work by Herrin and others (1968).

EARTHQUAKE MAGNITUDE

Earthquake magnitudes are determined from the maximum amplitude of the body-wave trace. Because regional body-wave phases are used, we determine local magnitudes (M_L). The relationship we use was derived by Richter (1958) using earthquake data recorded on standard horizontal Wood-Anderson seismographs in California. Corrections were made for differences in response and magnification between the standard instruments used by Richter and the instruments we used. However, no corrections were made for differences in at-

Figure 4. Epicenters of earthquakes that occurred north of lat 61° N. during the first quarter of 1985. Symbol sizes are shown for local magnitudes 2 through 5. Symbols larger or smaller than those shown reflect local magnitudes that must be interpolated relative to the symbol sizes shown.

Figure 5. Epicenters of earthquakes with $M_L \geq 3$ that occurred north of lat 61° N. during the first quarter of 1985. Symbol sizes are shown for local magnitudes 2 through 5. Symbols larger or smaller than those shown reflect local magnitudes that must be interpolated relative to the symbol sizes shown.

Figure 6. Epicenters of earthquakes that occurred south of lat 61° N. during the first quarter of 1985. Symbol sizes are shown for local magnitudes 2 through 5. Symbols larger or smaller than those shown reflect local magnitudes that must be interpolated relative to the symbol sizes shown.

Figure 7. Epicenters of earthquakes with $M_L \geq 3$ that occurred south of lat 61° N. during the first quarter of 1985. Symbol sizes are shown for local magnitudes 2 through 5. Symbols larger or smaller than those shown reflect local magnitudes that must be interpolated relative to the symbol sizes shown.

tenuation properties between California and Alaska. Additionally, no corrections were made for measuring vertical ground motion rather than horizontal ground motion.

The magnitude of each earthquake is usually calculated at several seismic-network stations and then averaged. When large earthquakes occur, the instrument response saturates the maximum trace amplitude of the recorder at most of our stations. Therefore, we frequently list local magnitude determined by NOAA's Palmer Observatory. Felt reports and intensity observations based on the Modified Mercalli Intensity Scale (app. A; Richter, 1958) are also listed. The intensity levels are defined in appendix A.

RECORDED EARTHQUAKES

Appendix B lists hypocenter, magnitude, and quality parameters for each earthquake of $M_L \geq 3$ that was located during the first quarter of 1985 (see also figs. 5, 7, and 8). Appendix C lists the same parameters for all earthquakes that were located during the same period (see also figs. 4 and 6). Detection threshold and solution quality vary throughout the areas shown in figures 4, 6, and 8. Appendix B is probably complete for $M_L > 3$. As shown in figure 1, the distribution of stations varies significantly; thus detection-threshold levels also vary significantly.

The reliability of a hypocenter location can be assessed from two sets of information: the quality of the input data and the results of statistical tests. The number of P and S phases used to locate the earthquake (NP and NS), the largest azimuthal separation between stations as measured from the epicenter (GAP), and the distances from the epicenter to the closest and third closest station (D1, D3) are the most important parameters that control the reliability of the hypocenter location. A GAP of more than 180° means that the epicenter is located outside the seismic network; therefore, locations will generally be less reliable. Also, as D1 exceeds hypocentral depth, the reliability of hypocentral depth decreases. Magnitude threshold and location reliability vary throughout the state because of the uneven distribution of stations (fig. 1).

The RMS travel-time residual and the horizontal (ERH) and vertical (ERZ) projections of the maximum axes of the one-standard-deviation confidence ellipsoid reflect the precision of the solution. Because we use simplified velocity models, the RMS residuals probably measure the inaccuracy of these models with respect to the real crust and upper mantle; they only secondarily account for random reading errors and phase misidentifications. Although the precision of hypocentral locations is fairly well indicated by ERH and ERZ, their absolute accuracy is difficult to determine because adequate calibration studies with known sources, such as explosions, have not been performed in the region.

Seismicity south of lat 61° N. (fig. 6) dominantly reflects the subduction of the North Pacific plate beneath the North American plate. A well-defined Benioff zone dips about 45° NW. below Cook Inlet and the Alaska Peninsula. Near lat 60° N., high seismic activity at depths greater than 70 km is typical of the area. The Benioff zone terminates at about lat 64° N. A cluster of hypocenters at an intermediate depth (>50 km) near lat 63° N.

Figure 8. Epicenters of earthquakes that occurred in the first quarter of 1985 and are not shown in figures 4 or 5. Symbol sizes are shown for local magnitudes 2 through 5. Symbols larger or smaller than those shown reflect local magnitudes that must be interpolated relative to the symbol sizes shown.

(below Mt. McKinley) pinpoints where the strike of the Benioff zone changes from north-northeast to more northeast. The cluster of shallow hypocenters near Fairbanks is characteristic of the seismic activity in central Alaska. Although the seismic-station distribution near Fairbanks is dense and provides the lowest detection threshold throughout the network (with the exception of Augustine Volcano), the concentration of epicenters indicates a very active seismic zone.

SIGNIFICANT EVENTS

On March 9, 1985 (1408 UT; 5:08 AST), a magnitude $M_L = 6.0$ earthquake occurred in interior Alaska approximately 40 km north of the Yukon River crossing of the Trans-Alaska Pipeline. Known as the Dall City Earthquake (Estabrook and others, 1986), it is the largest to have occurred in interior Alaska since the 1968 Rampart Earthquake. The event was preceded by a $M_L = 5.4$ shock on February 14 and a $M_L = 5.0$ shock on March 9 (1358 UT; 4:58 AST). Aftershock activity took place for several months.

Focal mechanism solutions of the main event indicate that left-lateral strike-slip motion occurred along a north-northeast-trending plane. The event cannot be clearly related to any mapped fault. The nearest mapped fault is the Dall Mountain fault that trends north-south approximately 10 km east of the north-northeast-trending aftershock zone. Several temporary stations were installed by UAGI for a period of several months so that the aftershock sequence could be better located.

ACKNOWLEDGMENTS

We thank Tom Sokolowski and the staff of the NOAA Tsunami Warning System in Palmer for helping us to record several of their station signals on a continuous basis. We also thank John Lahr of the USGS for sharing information with us and providing the HYPOELLIPSE computer program.

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APPENDIX A
Modified Mercalli scale, 1956 version.

- I. Not felt. Some very low frequency effects, such as seiching in lakes, may be observed resulting from large, distinct earthquakes.
- II. Felt by persons at rest, on upper floors, or favorably placed.
- III. Felt indoors. Hanging objects swing. Vibration like passing of light trucks. Duration estimated. May not be recognized as an earthquake.
- IV. Hanging objects swing. Vibration like passing of heavy trucks; or sensation of a jolt like a heavy ball striking the walls. Standing motor cars rock. Windows, dishes, doors rattle. Glasses clink. Crockery clashes. In the upper range of IV, wooden walls and frame creak.
- V. Felt outdoors; direction estimated. Sleepers wakened. Liquids disturbed, some spilled. Small unstable objects displaced or upset. Doors swing, close, open. Shutters, pictures move. Pendulum clocks stop, start, change rate.
- VI. Felt by all. Many frightened and run outdoors. Persons walk unsteadily. Windows, dishes, glassware broken. Knickknacks, books, etc., off shelves. Pictures off walls. Furniture moved or overturned. Weak plaster and masonry D cracked. Small bells ring (church, school). Trees, bushes shaken (visibly, or heard to rustle--CFR³).
- VII. Difficult to stand. Noticed by drivers of motor cars. Hanging objects quiver. Furniture broken. Damage to masonry D, including cracks. Weak chimneys broken at roof line. Fall of plaster, loose bricks, stones, tiles, cornices (also unbraced parapets and architectural ornaments--CFR). Some cracks in masonry C. Waves on ponds; water turbid with mud. Small slides and caving in along sand or gravel banks. Large bells ring. Concrete irrigation ditches damaged.
- VIII. Steering of motor cars affected. Damage to masonry C; partial collapse. Some damage to masonry B; none to masonry A. Fall of stucco and some masonry walls. Twisting, fall of chimneys, factory stacks, monuments, towers, elevated tanks. Frame houses moved on foundations if not bolted down; loose panel walls thrown out. Decayed piling broken off. Branches broken from trees. Changes in flow or temperature of springs and wells. Cracks in wet ground and on steep slopes.
- IX. General panic. Masonry D destroyed; masonry C heavily damaged, sometimes with complete collapse; masonry B seriously damaged. (General damage to foundations--CFR.) Frame structures, if not bolted, shifted off foundations. Frames racked. Serious damage to reservoirs. Underground pipes broken. Conspicuous cracks in ground. In alluviated areas, sand and mud ejected, earthquake fountains, sand craters.

³CFR refers to supplemental comments by Charles F. Richter.

- X. Most masonry and frame structures destroyed with their foundations. Some well-built wooden structures and bridges destroyed. Serious damage to dams, dikes, embankments. Large landslides. Water thrown on banks of canals, rivers, lakes, etc. Sand and mud shifted horizontally on beaches and flat land. Rails bent slightly.
- XI. Rails bent greatly. Underground pipelines completely out of service.
- XII. Damage nearly total. Large rock masses displaced. Lines of sight and level distorted. Objects thrown into the air.

APPENDIX B
Data for Alaska earthquakes of $M_L \geq 3$ that were located during the first
quarter 1985.^a

1985	ORIGIN TIME			LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR Q
JAN	HR	MM	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM
02	3	15	3.5	80 29.0	151 48.0	69.4	3.0	6	3	281	84	111	0.33	2.8	4.7 D
02	9	32	45.6	54 44.0	157 19.8	44.7	6.1*	14	0	250	214	518	0.61	30.5	21.8 D
							NEIS MB - 5.6, MS - 5.6 FELT (III) PERRYVILLE, CHIGNIK AND SANDPOINT								
04	8	10	57.9	58 25.3	155 38.5	178.9	3.6	15	1	247	129	195	0.44	5.7	8.1 D
							NEIS MB - 4.4 NEIS MB - 5.6, MS - 5.6 FELT (III) PERRYVILLE, CHIGNIK AND SANDPOINT								
03	21	52	31.2	59 9.1	150 24.1	30.3	3.2	7	4	308	83	170	0.32	5.0	6.6 D
05	23	54	22.4	59 50.0	153 37.2	131.8	3.1	9	4	81	30	51	0.29	2.2	2.5 B
06	1	8	56.8	63 4.0	150 38.2	126.1	3.3*	15	1	115	113	145	0.23	2.1	6.0 C
06	1	23	25.2	59 56.0	152 50.8	91.6	3.8	8	3	110	38	70	0.27	1.7	2.5 B
06	5	12	44.3	58 41.1	154 15.8	0.8	3.7*	6	0	211	45	123	0.29	20.7	32.6 D
06	21	41	54.3	63 10.1	150 35.8	112.7	3.8*	18	2	75	104	173	0.40	1.8	4.9 B
06	3	31	24.8	59 19.3	153 19.3	124.2	3.8	6	1	152	9	102	0.24	3.0	4.8 C
09	19	28	23.1	60 13.1	140 38.6	40.1	5.4*	14	0	141	91	323	0.35	5.2	13.3 D
							NEIS MB - 5.7, MS - 5.0 FELT AT YAKUTAT, CAPE YAKATAGA, BURWASH LANDING, HAINES JUNC- TION, AND WHITEHORSE IN THE YUKON TERRITORY, CANADA								
10	18	44	11.7	62 48.6	149 29.2	86.4	3.4	13	1	134	106	140	0.29	1.9	7.6 C
10	17	14	42.7	61 18.5	146 56.5	28.8	3.0	14	0	234	82	201	0.38	5.1	3.5 D
10	20	59	18.8	59 58.4	152 24.7	81.1	3.8	8	2	148	54	58	0.33	2.1	2.6 D
10	21	48	44.2	59 18.8	151 2.3	45.2	3.6	7	2	232	26	130	0.22	3.3	3.8 D
11	10	33	43.3	60 14.0	152 41.5	98.3	3.1	6	4	145	21	87	0.29	1.9	2.2 C
11	12	28	27.7	59 52.5	152 14.2	78.7	3.7	8	5	150	41	68	0.24	1.3	2.2 C
11	13	38	12.6	63 20.8	152 1.1	59.4	3.3	11	0	146	134	167	0.38	2.2	21.8 D
							PALMER ML - 3.0 4.1* 19 0 67 98 140 0.40 NEIS MB - 4.1								
11	20	4	8.4	63 6.7	150 19.9	31.3	4.1*	19	0	67	98	140	0.40	1.7	3.5 D
13	16	52	3.3	64 38.8	151 59.6	39.7	3.0*	10	0	211	140	177	0.30	4.7	99.0 D
14	10	1	4.4	59 53.9	151 31.0	78.3	3.7	9	3	194	31	88	0.26	2.8	2.6 D
14	16	1	55.1	60 13.1	152 36.2	91.8	4.0	9	2	157	24	82	0.24	2.2	3.3 C
15	3	21	27.9	61 20.6	150 18.5	39.0	3.3	11	1	125	69	169	0.34	2.6	3.2 C
							PALMER ML - 3.5 FELT (II) ANCHORAGE AND ENIK.								
16	4	43	6.8	66 47.5	153 15.3	0.6	3.8*	9	0	148	83	320	0.11	6.2	3.1 D
16	8	27	43.2	60 23.9	152 4.0	86.2	3.2	5	2	241	39	106	0.31	4.4	4.7 D
17	19	22	17.2	60 19.5	150 44.5	39.3	4.5*	13	0	106	90	113	0.37	2.3	6.8 D
							NEIS MB - 4.6 FELT (IV) AT MINILCHIK AND (III) AT MOOSE PASS ALSO FELT AT HOMER, ANCHORAGE, KENAI, SEWARD, AND TYONEK								
17	19	27	21.0	60 19.8	150 44.4	28.0	4.2*	12	0	106	90	113	0.35	2.1	5.4 D
							FELT REPORTS OF THIS EVENT CON- FUSED WITH THE PREVIOUS ONE.								
19	15	43	0.2	60 46.6	151 4.9	49.3	3.6	9	1	229	101	140	0.24	5.7	14.4 D
21	2	59	59.8	58 58.8	152 23.1	74.0	3.4	15	6	138	73	77	0.36	1.3	2.9 D
24	5	23	49.0	59 26.4	152 40.0	69.4	3.6	6	3	179	40	63	0.34	2.5	2.6 C
24	13	30	1.3	60 28.8	151 40.2	52.2	3.4	6	2	249	61	126	0.20	2.9	6.0 D
24	17	49	59.5	60 27.7	151 34.7	63.0	3.4	7	1	240	86	106	0.21	4.2	7.5 D
25	5	0	36.4	66 24.9	148 51.6	52.6	3.8*	13	0	158	162	180	0.38	2.2	41.1 D
27	1	47	13.0	59 55.5	151 17.4	54.5	3.8*	11	1	184	29	45	0.34	2.9	5.3 D
							FELT (IV) AT HOMER.								
27	15	39	58.9	60 2.3	152 41.9	94.6	3.1	10	3	111	43	73	0.32	2.0	3.4 C
28	11	24	27.3	62 57.9	150 55.7	113.1	3.4	25	0	69	114	162	0.40	1.7	5.6 C
29	1	1	21.3	59 17.2	152 45.5	72.6	3.4	12	5	100	36	64	0.37	1.7	3.3 C
30	20	44	20.0	55 51.4	153 19.3	41.7	3.9	8	0	309	95	214	0.29	44.8	44.4 D
							PALMER ML - 4.0 NEIS MB - 4.6								

^aSee explanation of column headings at end of appendix C.

APPENDIX B (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR	Q
	HR	MM	SEC	DEG MIN	DEG MIN	KM			DEG	KM	KM	SEC	KM	KM	
JAN 31	7 13	57.7	63 9.0	150 32.4	123.3	3.7*	21	0	89	103	140	0.26	1.8	5.6	B
FEB 01	9 11	10.1	59 48.3	153 36.5	147.6	3.3	9	4	127	27	48	0.34	2.4	2.7	C
01	21 51	39.0	60 1.6	152 48.2	97.5	3.2	7	5	111	44	77	0.16	1.7	2.2	B
01	23 4	35.6	58 21.5	147 50.6	9.9	4.3	7	3	312	294	373	0.55	92.8	88.2	D
02	8 48	53.3	63 33.0	149 82.8	0.4	3.3*	13	1	172	51	116	0.29	3.7	2.5	D
02	13 13	50.2	61 42.8	151 57.2	107.0	3.2	15	4	185	38	229	0.25	2.0	3.7	C
03	19 10	58.9	61 32.5	150 8.9	54.2	3.3	13	0	119	153	232	0.19	3.6	49.6	D
						FELT AT PALMER, ANCHORAGE, EAGLE RIVER, AND WASILLA.									
04	3 7	13.4	59 20.4	152 45.0	79.2	3.2	12	5	99	36	44	0.32	1.6	2.1	C
04	15 10	39.3	63 32.4	149 2.5	14.1	4.3*	17	0	107	22	90	0.32	1.6	1.4	C
						NEIS MB - 4.5 FELT (IV) AT CANTWELL. ALSO FELT AT FAIRBANKS, REALY AND WILLOW.									
07	0 44	16.4	59 52.4	152 46.7	103.3	3.2	11	5	93	34	65	0.33	1.6	2.3	C
09	3 38	46.8	59 55.2	153 25.3	139.5	3.8	9	3	132	32	63	0.28	2.6	2.7	C
09	9 21	47.0	59 29.6	152 20.9	67.8	3.2	7	4	173	44	63	0.14	1.7	2.6	C
10	12 10	31.7	61 45.9	150 13.4	35.6	3.0*	8	1	167	65	226	0.27	3.1	9.3	D
10	13 53	44.2	63 34.4	149 0.9	32.2	3.7*	10	0	159	159	219	0.45	5.9	64.5	D
11	18 59	54.5	58 6.1	154 29.4	82.9	4.8*	13	0	209	57	105	0.21	5.9	5.9	D
11	20 38	37.4	58 11.3	154 17.7	41.0	3.0	7	1	233	57	91	1.61	4.5	2.3	D
13	16 59	54.2	61 51.2	150 16.7	14.7	3.9*	17	0	76	32	69	0.25	1.4	3.3	C
						FELT (IV) AT KASHEWITNA AND WILLOW; (III) AT WASILLA; (II) AT PALMER AND ANCHORAGE.									
13	18 9	10.4	60 27.3	153 11.8	146.0	3.5*	13	0	85	24	93	0.19	2.5	7.3	B
13	21 50	15.2	59 36.7	152 42.7	93.2	3.7*	11	1	93	30	60	0.30	1.9	4.1	C
						FELT (II) AT HOMER.									
14	5 4	1.4	66 15.7	149 44.8	10.0	5.4*	18	0	153	176	179	0.40	1.8	19.5	D
						NEIS MB - 5.0, MS - 5.0 FELT (IV) AT FAIRBANKS.									
14	8 0	25.4	66 9.9	150 1.6	20.0	3.1	8	3	149	165	176	0.46	2.0	3.8	D
						PALMER ML - 3.3									
14	13 9	27.7	61 51.5	150 26.5	59.1	3.8*	15	1	77	36	75	0.21	2.1	3.6	B
						FELT (II) AT WILLOW, ANCHORAGE AND BIG LAKE.									
14	17 2	5.5	66 8.4	150 3.2	11.3	3.8*	11	0	146	164	173	0.37	2.9	30.4	D
14	17 7	14.3	66 11.1	150 2.8	64.0	4.1*	12	0	151	165	177	0.39	2.0	10.9	D
14	17 16	57.2	65 54.3	150 45.0	260.2	4.3	7	1	136	134	177	0.36	8.2	13.8	D
14	17 24	24.9	58 30.4	154 52.8	145.4	3.0	7	4	211	86	113	0.30	4.7	3.4	D
14	17 40	47.8	66 40.5	149 26.4	27.3	4.4*	12	0	174	201	212	0.40	2.4	99.0	D
14	17 40	39.1	66 28.0	149 48.1	34.4	3.8	7	0	248	180	198	0.37	12.2	99.0	D
14	18 8	33.4	66 11.7	150 8.9	36.7	3.2*	6	0	152	180	181	0.31	2.8	99.0	D
14	18 37	48.9	66 9.1	150 8.1	20.0	3.1*	7	5	149	181	177	0.43	1.4	2.9	D
14	19 22	32.0	66 3.1	150 15.9	96.0	3.4*	7	0	144	155	172	0.27	4.1	22.6	D
14	20 40	40.2	66 19.1	149 53.5	15.0	3.3	6	0	251	185	188	0.33	15.3	99.0	D
14	21 54	0.4	66 14.1	150 6.0	10.0	3.7	6	1	154	183	183	0.36	2.5	6.4	D
						PALMER ML - 3.4									
14	22 2	45.3	63 29.6	145 25.7	0.1	3.4*	9	0	139	21	126	0.17	2.0	2.6	C
						FELT (II) AT ALYESKA PIPELINE PUMP STATION TEN.									
14	23 7	1.0	66 22.8	149 35.9	37.5	4.3*	9	0	159	186	187	0.17	2.8	99.0	D
14	23 10	29.9	66 47.3	149 13.8	75.0	3.9*	7	0	266	214	224	0.31	27.5	59.8	D
15	0 14	35.1	66 14.4	150 6.6	20.0	3.6	7	1	184	162	164	0.21	2.7	5.3	D
15	1 45	35.0	66 17.6	150 3.5	12.8	3.8*	9	0	167	185	187	0.18	2.7	28.4	D
15	4 16	18.0	66 2.6	150 10.6	109.8	3.6*	8	4	143	189	189	0.28	3.2	7.4	D
15	12 47	56.2	66 17.2	149 59.1	1.8	4.1*	11	0	236	168	165	0.61	8.6	5.8	D
16	11 17	19.7	66 29.6	153 55.2	49.2	3.3	8	1	319	91	141	0.32	8.2	25.4	D
16	12 54	49.3	57 29.8	158 35.4	28.4	3.1	5	2	308	171	215	0.55	18.5	26.1	D
17	6 12	15.8	58 39.8	154 11.0	15.1	3.4*	8	3	193	43	91	0.43	2.8	6.1	D
17	14 53	41.5	61 36.4	149 46.8	36.4	3.8*	20	0	104	36	134	0.43	1.8	2.4	C
						FELT AT ANCHORAGE AND PALMER.									
17	15 53	27.7	68 10.1	149 59.2	19.3	3.1*	8	0	149	167	178	0.13	3.3	42.0	D
17	21 47	7.4	66 13.3	149 52.7	8.1	3.4	9	1	152	23	175	0.24	3.3	2.6	C
						PALMER ML - 3.7									
18	1 36	48.8	66 16.2	149 46.7	3.9	3.4	11	2	174	28	178	0.22	1.9	2.3	C
18	7 24	27.2	60 3.4	152 7.9	85.3	3.2	10	4	155	52	76	0.28	1.9	2.5	C
18	16 12	25.6	66 14.4	149 51.8	9.2	3.7	10	1	223	25	177	0.25	4.8	3.3	D
18	22 4	14.6	66 14.3	149 55.1	3.8	3.4	12	2	153	25	177	0.19	1.7	1.9	C
19	4 17	21.7	68 10.3	150 6.3	0.2	3.3*	9	2	150	22	175	0.38	2.0	2.3	C
19	7 23	9.9	66 15.6	149 51.8	0.5	3.6*	11	2	174	28	179	0.22	2.9	2.8	C

APPENDIX B (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERZ	Q
FEB 20	HR MN	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM	
	21	7 43	27.8	62 44.8	151 1.9	82.4	3.2	8	3	180	41	88	0.32	3.2	5.8 D
							4.6*	22	0	68	89	182	0.34	1.8	5.7 C
							NEIS MB - 4.8								
							FELT (III) AT TALKEETNA: (II)								
							AT ANCHORAGE AND WILLOW.								
	22	20 38	32.7	53 30.3	181 59.1	38.0	5.1*	8	0	334	226	701	0.08	99.0	99.0 D
							NEIS MB - 5.2, MS - 4.9								
							FELT (II) AT COLD BAY.								
	23	4 25	31.3	80 7.4	153 16.3	126.2	3.2	11	3	88	43	64	0.34	2.3	2.2 B
	23	8 57	19.9	58 49.9	153 14.7	117.2	3.3	10	5	116	20	83	0.36	1.9	1.9 C
	24	22 29	32.1	66 14.9	149 54.6	1.6	3.7*	7	0	234	28	178	0.32	8.9	5.6 D
	25	4 25	8.8	59 53.2	152 39.4	88.7	3.3	10	2	103	41	82	0.31	2.0	2.3 C
	26	0 6	40.2	62 32.8	153 19.1	41.6	4.0*	13	0	118	144	208	0.37	2.8	14.9 D
	26	17 54	1.8	66 59.2	146 32.4	29.1	3.8*	15	0	98	74	182	0.28	3.6	11.6 D
	27	3 11	46.8	66 9.4	150 4.2	1.0	3.0*	8	0	149	20	173	0.40	2.8	3.4 C
	27	13 33	15.8	60 4.0	151 31.3	77.0	3.1	8	4	193	46	62	0.26	2.8	2.4 D
MAR	01	21 49	8.3	62 37.0	149 41.0	51.1	3.1	19	0	88	118	130	0.40	1.7	12.1 D
							PALMER ML - 3.5								
	01	23 8	43.8	58 59.2	151 7.6	45.0	3.1	10	6	202	60	88	0.33	2.0	6.3 D
	02	0 27	10.6	60 23.3	152 29.6	98.7	3.0	9	8	111	18	94	0.36	1.8	2.0 C
	02	9 46	19.9	60 0.6	152 14.4	91.1	3.3	9	9	142	52	68	0.33	1.6	2.7 D
	03	6 52	27.1	60 15.3	153 37.2	176.2	3.1	10	5	178	60	71	0.23	3.7	2.8 D
	03	10 59	13.7	57 33.6	156 18.4	138.1	4.0	8	4	254	153	199	0.18	13.6	17.7 D
							PALMER ML - 3.7								
	03	13 38	47.3	59 38.3	152 46.7	118.2	4.8*	15	0	124	27	48	0.21	2.6	5.0 C
							NEIS MB - 4.6								
							FELT (IV) AT HOMER, KALIFONSKY,								
							KENAI, SOLDOTNA, AND CLAM GULCH:								
							(III) AT ANCHORAGE, GIRDWOOD AND								
							WHITTIER; (II) AT PALMER AND								
							WASILLA.								
	04	8 28	42.3	60 4.1	153 10.4	128.6	3.2	8	5	222	46	97	0.23	4.4	2.4 D
	05	11 41	42.5	58 19.5	153 27.2	68.9	3.8	15	5	143	34	68	0.25	2.3	3.3 C
							PALMER ML - 4.0								
	05	18 10	45.4	60 4.6	148 21.4	18.8	3.1	9	3	129	135	173	0.27	3.1	5.4 D
							PALMER ML - 3.2								
	05	18 16	37.6	63 16.5	149 5.4	97.1	3.0*	21	0	60	32	116	0.26	1.9	4.2 B
	05	19 6	36.2	62 43.8	149 33.1	34.3	3.3*	16	1	90	118	129	0.34	1.9	3.3 D
	06	1 39	26.5	62 42.8	149 34.8	43.7	3.3*	13	1	135	118	130	0.34	3.2	37.9 D
	06	4 33	14.1	59 59.8	151 29.3	54.4	3.2	13	6	81	39	54	0.41	1.8	3.2 B
	06	21 37	58.8	61 29.7	150 35.0	65.8	3.1	19	4	104	74	169	0.34	1.4	3.8 C
							FELT AT WILLOW AND TALKEETNA AND								
							ANCHORAGE.								
	06	22 38	26.0	62 5.0	150 20.3	50.1	4.2	16	0	88	160	244	0.45	2.7	57.1 D
							PALMER ML - 4.1								
	07	12 7	18.2	57 44.9	153 43.3	40.7	3.1	11	3	186	2	75	0.30	2.2	1.6 D
	07	13 28	24.3	57 33.8	153 40.3	33.3	3.1	12	3	204	23	63	0.39	1.6	2.7 D
	08	0 44	6.6	55 42.8	153 54.4	33.9	3.5	6	3	322	96	212	0.29	12.2	4.4 D
	08	18 14	57.0	60 19.4	152 19.9	93.4	3.2	9	8	114	27	90	0.36	1.6	2.1 C
	09	5 0	44.0	63 3.2	150 55.2	129.0	3.7	22	4	99	124	154	0.31	2.0	5.8 C
							PALMER ML - 3.3								
	09	13 57	57.3	66 18.1	149 47.0	8.8	4.8*	15	0	154	28	178	0.27	2.2	2.4 C
							NEIS MB - 4.6								
	09	14 8	2.6	66 18.4	149 50.1	7.9	6.0*	17	0	103	33	183	0.30	1.9	2.4 C
							NEIS MB - 5.9, MS - 6.0								
							FELT (IV) AT BETTLES AND ALYESKA								
							PIPELINE PUMP STATION SIX. ALSO								
							FELT IN FAIRBANKS.								
	09	14 16	29.0	66 16.7	150 12.7	65.1	5.4*	5	0	198	463	100	0.11	99.0	99.0 D
	09	14 48	52.4	66 41.9	149 27.8	10.0	3.3	6	0	261	201	216	0.32	29.4	48.1 D
	09	15 19	9.8	66 14.8	150 2.4	0.1	3.3	6	0	233	28	181	0.38	9.2	5.1 D
	09	15 20	51.8	66 18.6	149 54.8	11.1	3.2	6	0	238	33	185	0.19	9.9	4.2 D
	09	15 46	55.9	66 14.9	149 51.9	4.4	4.4	14	0	153	26	177	0.23	1.7	2.6 C
	09	16 11	10.9	66 11.1	150 5.0	0.0	3.5*	8	0	151	23	178	0.30	2.1	3.7 C
	09	16 17	48.8	66 14.1	150 6.3	1.0	3.8*	7	0	173	28	181	0.30	2.7	3.5 C
	09	16 21	23.3	66 17.1	149 48.0	13.2	4.4*	16	0	166	30	180	0.26	1.8	2.0 C
							NEIS MB - 4.4, MS - 4.5								
	09	16 44	0.5	66 15.9	149 57.2	0.9	3.4*	8	0	155	29	181	0.27	2.1	3.7 C
	09	16 49	8.7	66 10.4	150 0.1	13.2	4.3*	10	0	229	20	173	0.14	7.3	1.7 D
	09	17 27	32.2	66 16.7	150 6.2	1.8	3.0	6	1	234	32	168	0.37	6.2	3.4 D

APPENDIX B (con.)

1985	ORIGIN TIME			LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERH	ERZ Q	
MAR	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM	
	09	17	37	8.1	66	8.1	150	8.6	2.8	3.7*	7	0	166	19	172	0.18	2.7	2.9 C
	09	18	3	16.0	66	14.6	149	49.4	0.5	3.9*	8	0	235	26	176	0.31	8.7	6.8 D
	09	18	41	0.8	66	18.3	149	48.7	10.0	4.1*	13	0	156	33	182	0.25	2.3	2.4 C
	09	20	15	15.8	66	16.3	150	0.9	0.3	3.7*	9	0	178	30	183	0.19	2.4	2.7 C
	09	20	26	2.1	66	10.6	150	3.4	3.8	3.7*	12	0	169	21	175	0.29	2.4	2.3 C
	09	21	37	2.9	66	18.7	149	50.5	0.0	4.1*	11	0	157	34	185	0.31	1.9	3.5 C
	09	22	6	5.1	66	19.5	149	52.0	0.3	3.2	9	0	239	33	186	0.37	8.2	6.0 D
	09	22	34	55.6	65	50.0	149	20.0	38.7	4.7*	6	0	300	126	141	0.15	66.8	68.7 D
	10	0	28	54.7	66	12.6	149	58.5	5.2	3.4*	10	0	152	23	176	0.32	2.0	2.7 C
	10	0	32	6.8	66	10.9	150	7.2	0.3	3.2	8	0	151	23	177	0.42	2.1	3.6 C
	10	1	21	44.3	66	8.9	150	8.4	0.4	3.6*	9	0	149	21	174	0.55	3.7	2.8 D
	10	1	25	28.1	66	8.8	150	8.8	0.7	3.2	10	0	149	21	174	0.63	2.0	2.7 D
	10	3	58	22.0	66	10.1	150	0.1	8.5	4.4*	18	1	149	19	173	0.25	2.3	1.9 C
	10	5	40	13.2	66	12.3	150	7.0	0.6	3.2*	8	0	152	25	179	0.40	2.1	3.6 C
	10	5	48	58.2	66	16.9	149	56.8	3.5	3.3*	8	0	158	30	182	0.57	2.1	3.3 D
	10	6	15	14.3	66	18.5	149	54.5	0.4	4.0*	10	0	157	33	184	0.43	2.4	3.0 C
	10	9	12	59.8	66	11.0	150	8.6	0.8	3.8*	11	0	151	24	177	0.35	1.9	2.6 C
	10	10	19	9.0	66	24.4	149	48.3	10.8	3.8	14	0	162	44	192	0.36	1.9	2.5 C
	10	11	52	58.4	66	8.2	150	7.7	0.7	3.8*	11	0	148	20	173	0.18	2.1	2.6 C
	10	12	10	51.5	66	7.1	149	58.3	16.7	4.3*	15	0	155	14	168	0.35	2.3	1.3 C
	10	13	30	28.3	66	15.3	149	55.8	8.6	5.6*	18	0	81	27	179	0.35	1.6	2.2 C
	10	13	43	20.2	66	9.4	150	9.4	0.9	3.1	7	0	168	22	175	0.51	2.7	3.4 D
	10	13	53	45.0	66	14.4	149	57.5	0.2	3.8*	7	0	173	26	179	0.08	2.9	4.2 C
	10	14	27	3.3	66	10.8	150	7.9	0.9	3.8*	7	0	169	23	177	0.45	2.7	3.4 C
	10	14	33	33.6	66	11.4	150	4.8	0.9	3.8*	8	0	170	23	176	0.22	2.7	3.8 C
	10	15	0	58.5	66	11.2	150	6.4	1.0	3.3	9	0	151	23	177	0.59	3.4	3.3 D
	10	15	55	27.1	66	15.3	150	9.4	1.6	3.6	9	0	185	31	184	0.41	2.1	3.4 C
	10	17	19	14.0	66	11.1	150	8.5	0.5	3.9*	11	0	161	24	177	0.43	1.9	3.2 C
	10	19	16	38.9	66	15.5	149	51.7	8.3	4.2*	15	0	154	27	178	0.22	1.8	2.3 C
	10	23	9	22.9	66	16.5	149	53.7	3.8	4.4*	13	0	175	29	181	0.20	2.4	3.0 C
	10	23	34	25.1	66	11.3	150	4.0	2.2	3.2	10	0	151	23	176	0.42	2.0	3.1 C
	10	23	58	32.1	66	16.9	149	56.5	3.2	3.2	9	0	158	31	183	0.50	2.4	3.3 C
	11	0	38	48.6	66	14.9	150	2.3	2.0	3.1	7	0	174	28	181	0.39	2.7	3.5 C
	11	3	13	47.7	66	16.1	149	57.7	3.8	3.2	7	0	155	29	181	0.53	2.3	3.4 D
	11	6	8	29.9	66	12.5	150	5.8	1.1	3.1*	8	1	171	25	179	0.44	2.5	3.1 C
	11	6	44	24.6	66	14.3	150	1.8	1.8	3.3*	8	0	154	27	180	0.39	2.4	3.4 C
	11	8	9	0.2	59	57.5	153	24.0	142.3	3.6	5	4	210	48	143	0.20	3.1	3.7 D
	11	8	9	15.3	61	23.2	152	1.7	202.1	3.0	6	0	331	375	397	0.10	99.0	99.0 D
	11	8	41	59.1	66	10.3	149	56.0	17.8	3.3*	12	0	166	18	171	0.30	2.5	1.5 C
	11	9	43	40.5	66	15.1	149	53.0	9.1	3.2*	12	0	153	27	178	0.19	1.9	2.3 C
	11	10	2	54.8	66	12.2	150	2.0	2.0	3.2*	7	0	151	23	177	0.46	2.2	3.4 C
	11	18	35	58.5	66	16.9	149	57.2	3.6	3.1*	7	0	176	30	182	0.49	2.8	3.3 C
	11	15	48	54.0	66	12.0	150	4.9	0.3	3.1*	7	2	152	24	177	0.49	1.8	2.2 C
	12	1	14	15.3	66	9.3	150	6.3	0.9	3.6	7	0	149	21	174	0.64	2.2	3.5 D
	12	2	5	13.0	66	15.6	149	58.0	1.4	3.7	8	0	154	28	180	0.25	2.2	3.8 C
	12	3	1	50.8	66	14.0	150	2.7	2.4	3.2*	7	0	153	27	180	0.40	2.2	3.5 C
	12	8	45	39.8	66	14.0	150	1.0	6.9	3.4*	8	0	153	26	179	0.29	2.0	2.8 C
	12	11	23	42.6	66	8.1	150	9.4	0.9	3.6*	7	0	148	18	172	0.42	2.1	3.5 C
	12	18	6	2.7	66	14.9	150	2.0	2.8	3.6	7	0	154	28	181	0.48	2.2	3.5 C
	12	20	12	33.4	66	9.8	150	6.3	0.9	4.1*	8	0	168	21	175	0.43	2.6	3.4 C
	12	20	22	37.4	66	10.4	150	6.7	0.2	3.9*	8	0	150	22	176	0.27	2.1	3.6 C
	12	22	8	37.8	66	11.4	150	3.4	0.5	4.4*	6	0	170	23	176	0.19	2.6	3.7 C
	13	5	23	41.9	66	8.1	150	3.2	2.0	3.3	7	0	148	17	171	0.49	2.1	3.2 C
	13	10	0	28.1	66	11.6	150	3.6	1.1	3.9*	9	0	151	23	176	0.34	2.0	3.4 C
	13	10	3	33.0	66	8.8	150	6.0	0.4	3.9*	7	0	167	19	173	0.42	2.7	3.6 C
	13	11	3	13.4	66	9.3	150	5.9	0.1	3.5	7	0	149	20	174	0.32	2.4	4.0 C
	13	12	42	9.9	66	20.2	149	54.8	0.1	4.0*	8	0	158	36	187	0.41	2.3	4.2 C
	13	22	43	14.7	66	11.9	150	6.7	2.8	3.5	7	0	152	28	178	0.35	2.5	3.6 C
	14	11	15	18.2	66	15.4	149	59.8	8.1	3.4	7	0	154	28	181	0.42	2.2	3.1 C
	14	12	51	56.1	66	10.4	150	10.5	2.0	3.5	8	0	151	24	177	0.50	2.1	3.2 D
	14	13	52	20.2	66	8.5	150	2.0	8.1	3.7	11	0	148	17	171	0.21	2.3	2.0 C

APPENDIX B (con.)

1985	ORIGIN TIME			LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERZ Q
MAR	HR	MM	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM
14	19	53	11.7	57 52.9	155 55.9	143.6	3.6	5	2	289	129	178	0.08	15.1	15.4 D
15	3	31	22.3	66 15.1	149 59.0	1.8	3.5	10	0	98	16	36	0.45	1.6	2.3 C
15	5	42	20.9	66 11.0	150 8.5	1.8	3.2*	9	0	103	12	40	0.75	1.7	2.2 D
15	13	33	7.0	66 12.0	149 49.8	7.7	3.3	8	0	112	21	45	0.26	1.9	1.9 C
15	18	1	53.6	66 18.0	149 54.3	3.6	3.3	11	0	101	20	34	0.34	1.5	2.2 C
15	23	31	8.8	66 14.9	150 0.7	3.4	3.3*	9	0	98	15	36	0.42	1.8	2.2 C
16	9	54	17.5	66 15.5	149 57.4	0.4	3.5	9	0	113	17	37	0.32	1.7	2.6 C
16	13	33	10.6	66 15.7	149 48.1	15.1	5.0*	18	0	101	24	41	0.22	1.6	1.5 B
NEIS MB - 4.3															
FELT AT ALYESKA PIPELINE PUMP STATION SIX.															
16	17	3	45.8	59 50.7	150 40.9	30.3	3.0	10	4	179	15	58	0.33	3.7	3.4 C
17	1	14	25.7	66 9.2	150 6.2	0.6	3.0*	10	0	104	16	44	0.37	2.0	2.5 C
17	2	19	42.2	66 16.9	149 52.4	14.4	3.4*	14	0	120	21	37	0.26	1.9	1.5 B
17	11	5	18.0	66 12.4	150 5.8	2.5	3.5*	12	0	101	12	39	0.46	1.9	2.1 C
17	15	15	4.3	60 3.8	152 55.9	121.2	3.2	9	4	126	41	77	0.33	2.9	3.4 C
17	17	39	53.3	66 13.7	150 4.4	0.8	3.2	9	0	100	12	37	0.45	1.6	2.4 C
17	19	50	33.2	59 53.4	152 36.1	97.5	3.3	10	7	147	44	87	0.30	1.6	2.1 C
17	21	0	38.1	66 13.0	150 1.5	7.4	3.1	9	0	100	15	39	0.46	1.9	1.7 C
PALMER ML - 3.3															
17	21	16	15.6	66 15.2	149 58.9	0.9	3.4	7	1	171	16	36	0.43	2.1	2.5 C
18	3	52	48.1	66 12.8	150 2.1	0.2	3.3*	9	0	100	15	39	0.35	1.6	2.5 C
18	12	55	24.3	60 6.3	153 1.0	135.1	3.1	10	2	139	38	75	0.29	4.1	7.5 C
19	9	35	14.8	66 18.3	149 48.4	1.0	3.2	10	0	107	24	37	0.39	1.6	2.5 C
19	21	36	54.9	66 13.3	150 4.3	0.3	3.3*	8	0	113	13	38	0.49	1.8	2.7 C
20	3	18	20.9	61 28.5	149 55.5	36.8	3.2*	13	1	123	44	143	0.31	2.0	2.0 C
FELT (II) AT ANCHORAGE.															
20	3	29	6.5	60 25.3	152 7.3	104.1	3.7	14	6	80	36	89	0.33	1.9	4.2 B
20	9	9	51.8	60 14.0	153 10.1	142.5	4.0*	14	3	100	30	76	0.33	2.5	5.5 C
NEIS MB - 4.2															
FELT (II) AT NONDALTON.															
20	12	10	31.2	59 18.5	152 57.6	110.7	3.1	14	8	94	28	58	0.34	1.6	3.1 C
20	23	27	23.3	61 15.0	146 39.8	18.0	3.3	10	0	185	74	202	0.39	3.9	3.5 D
PALMER ML - 3.5															
FELT (IV) AT VALDEZ.															
21	3	46	7.0	66 13.1	149 55.7	7.2	4.5*	14	0	96	19	41	0.23	1.6	1.7 C
NEIS MB - 4.3															
22	0	55	43.4	66 14.9	149 58.6	0.1	3.6*	8	0	111	16	37	0.41	2.2	2.7 C
22	3	0	9.2	61 27.0	149 52.4	35.4	3.1*	9	0	126	43	142	0.15	2.8	2.8 C
23	2	53	58.5	66 11.3	150 5.7	0.4	3.3	9	0	102	14	41	0.30	2.1	2.5 C
23	3	57	0.2	66 17.6	149 48.1	2.1	3.4*	9	0	105	24	38	0.50	1.8	2.6 D
23	13	14	56.9	66 15.4	149 48.9	14.8	4.0*	11	0	120	23	41	0.17	1.9	1.5 B
23	16	38	31.6	60 7.2	153 0.6	121.5	3.4	11	6	140	36	76	0.34	2.1	2.3 C
23	18	19	3.7	66 15.4	149 59.8	1.0	3.0	8	0	146	15	167	0.41	2.0	2.8 C
24	14	38	56.6	61 20.1	146 39.1	25.5	3.8	11	2	183	66	193	0.24	3.6	4.3 D
26	19	32	46.3	66 16.1	149 47.2	10.1	4.3*	12	0	185	25	41	0.22	2.8	1.8 D
27	3	20	9.9	66 13.7	149 56.0	7.7	3.9*	12	0	111	18	40	0.22	1.8	1.7 C
28	6	8	14.9	58 5.7	155 8.4	109.8	3.2	5	3	247	89	128	0.17	13.8	15.0 D
28	15	49	0.3	66 16.1	149 49.7	5.1	4.3*	13	0	101	23	39	0.21	1.6	2.1 C
29	15	11	26.9	66 14.1	150 2.6	1.5	3.3*	8	0	105	13	37	0.55	1.8	2.4 D
29	15	14	3.7	66 14.6	150 1.6	0.3	3.0*	7	0	107	14	36	0.46	1.8	2.7 C
31	5	30	50.7	59 40.3	152 58.8	106.0	3.4	15	7	76	14	69	0.32	1.8	3.7 B
31	8	4	23.8	61 34.8	147 10.6	32.5	3.6*	17	0	169	29	179	0.40	3.1	2.1 C
31	13	42	4.1	60 7.3	151 59.1	79.1	2.8	13	1	95	55	73	0.32	2.1	4.1 C
FELT (II) AT HOMER.															
31	15	58	18.0	61 3.7	152 54.2	157.7	4.4	19	0	68	48	147	0.36	2.0	5.0 B
31	17	23	6.5	60 4.2	151 45.5	60.1	1.8	4	3	180	60	68	0.07	3.4	3.7 D
31	18	48	32.7	66 13.0	150 4.0	0.9	1.8	6	1	161	13	38	0.48	3.0	3.4 C
31	22	10	46.4	66 16.4	150 4.3	0.1	2.0	8	2	98	12	32	0.48	1.6	2.1 C
31	22	49	32.0	66 11.3	150 10.3	3.6	2.3	6	0	172	11	40	0.62	3.6	2.8 D

APPENDIX C

Data for Alaska earthquakes of all magnitudes that were located during the first quarter 1985.^a

1985	ORIGIN TIME			LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR Q
JAN	HR	MM	SEC	DEC	MIN	DEC	MIN	KM				DEC	KM	KM	SEC	KM	KM
01	8	41	52.8	59	7.0	153	58.5	6.7	2.6	7	2	201	28	73	0.31	2.1	1.8 D
02	0	22	21.1	60	2.3	151	8.5	52.9	2.4	5	5	248	50	99	0.30	2.4	4.1 C
02	3	15	3.5	60	29.0	151	48.0	89.4	3.0	6	3	261	54	111	0.33	2.6	4.7 D
02	4	8	57.8	59	28.8	152	2.2	64.3	2.6	6	4	180	30	70	0.21	2.5	2.5 C
02	5	24	12.7	60	5.8	152	55.4	100.0	2.1	5	3	128	37	79	0.18	2.2	3.2 B
02	5	32	45.6	54	44.0	157	19.6	44.7	6.1*	14	0	250	214	518	0.61	30.5	21.8 D
									NEIS MB - 5.6, MS - 5.6 FELT (III) PERRYVILLE, CHIGNIK AND SANDPOINT								
02	6	20	58.9	62	32.8	149	43.4	60.8	2.0	8	3	139	110	139	0.37	1.8	9.1 D
02	7	25	60.0	64	42.7	147	33.3	0.6	0.6	5	3	125	14	32	0.24	1.0	78.9 C
02	8	10	58.5	58	23.1	155	59.1	150.9	3.1	8	4	256	149	187	0.34	11.3	11.9 D
02	15	50	7.3	62	23.7	151	16.8	81.8	2.8	11	3	187	48	190	0.29	3.7	5.5 D
02	15	59	40.0	63	16.9	150	44.3	123.6	2.0	11	2	193	103	151	0.36	3.4	2.9 D
03	1	48	6.0	63	42.4	147	36.9	12.8	1.0	7	0	231	55	84	0.35	4.8	1.8 D
03	2	11	48.4	64	22.0	148	9.6	14.7	1.0	9	3	67	12	36	0.22	0.8	2.6 B
03	3	19	17.8	64	49.8	148	56.4	14.7	0.7	6	6	243	29	57	0.18	1.6	1.1 C
03	13	46	50.7	59	53.2	153	25.9	150.9	2.6	7	3	136	28	56	0.30	2.9	3.1 C
03	16	23	54.3	59	4.1	152	16.5	59.1	2.8	8	4	250	75	85	0.30	3.8	4.7 D
03	19	37	14.1	64	45.4	149	12.6	16.5	1.2	8	3	251	21	60	0.21	1.9	1.2 C
03	21	52	31.2	59	9.1	150	24.1	30.5	3.2	7	4	306	63	170	0.32	5.0	6.6 D
03	23	2	17.7	63	54.6	148	57.8	2.3	1.2	8	0	180	20	75	0.13	2.1	3.2 C
04	10	26	19.0	62	58.8	151	0.1	145.2	1.9	9	1	193	115	202	0.33	4.7	13.4 D
04	14	10	50.3	58	35.1	152	44.8	10.1	2.4	7	5	136	65	97	0.29	1.4	3.7 C
04	19	46	57.7	61	33.7	149	33.3	36.5	2.0	7	4	286	23	244	0.27	3.7	1.4 D
04	20	40	49.0	69	54.3	151	52.8	67.9	2.3	5	5	180	56	81	0.32	1.5	3.1 D
05	1	49	38.9	59	43.3	152	53.3	97.1	2.5	5	3	117	21	74	0.07	2.8	2.8 B
05	8	17	1.7	63	2.3	150	52.8	119.9	1.7	10	1	190	123	154	0.22	6.4	7.7 D
05	8	38	48.0	59	40.8	152	4.6	71.5	2.3	7	3	120	25	65	0.22	2.4	4.4 B
05	11	52	18.3	59	32.3	152	24.8	74.0	3.0	7	4	136	46	61	0.22	1.5	2.6 C
05	15	7	42.9	64	52.3	147	19.9	12.3	0.5	6	4	172	13	39	0.09	1.2	2.6 C
05	16	25	12.2	64	26.7	146	14.4	5.2	1.0	7	3	293	33	82	0.39	1.9	3.1 D
05	23	54	22.4	59	30.0	153	37.2	131.8	3.1	9	4	81	30	51	0.29	2.2	2.5 B
06	1	8	58.8	63	4.0	150	38.2	128.1	3.3*	18	1	115	113	145	0.23	2.1	6.0 C
06	1	23	25.2	59	56.0	152	30.8	91.6	3.8	8	3	110	38	70	0.27	1.7	2.5 B
06	2	36	42.0	63	33.1	146	45.6	27.2	1.0	8	4	185	46	96	0.40	2.4	22.6 D
06	5	12	44.3	58	41.1	154	15.8	0.8	3.7*	6	0	211	45	123	0.29	20.7	32.8 D
06	5	57	45.0	63	30.5	146	57.6	27.6	1.0	6	3	157	56	100	0.33	2.1	33.2 D
06	8	36	33.2	63	27.9	147	2.0	14.8	1.2	6	3	164	69	99	0.41	1.8	1.7 D
06	9	48	17.1	63	29.1	146	57.7	16.1	1.9	12	7	101	56	102	0.55	1.1	1.3 D
06	11	34	13.5	61	37.5	147	5.8	31.1	1.9	10	3	211	26	172	0.46	3.1	1.4 D
06	12	41	10.4	63	29.6	146	31.9	24.5	1.2	7	4	156	51	102	0.41	1.3	99.0 D
06	14	35	5.4	63	47.6	149	2.6	111.8	1.7	10	2	206	9	69	0.20	2.6	2.0 D
06	21	41	54.3	63	10.1	150	35.8	112.7	3.6*	18	2	75	104	173	0.40	1.8	4.9 B
07	6	21	15.2	64	30.0	149	20.5	13.7	1.4	9	0	243	15	60	0.15	3.0	1.5 D
07	6	34	33.6	65	7.3	148	26.2	2.2	1.3	8	3	260	36	61	0.31	1.8	3.5 D
07	11	36	50.3	62	47.8	151	57.9	144.1	2.1	9	0	282	185	245	0.24	22.8	17.4 D
07	18	54	7.7	62	30.9	149	30.2	75.6	2.5	12	1	196	105	139	0.36	3.7	4.1 D
07	22	28	23.6	64	13.0	148	20.5	16.0	1.1	9	3	107	20	44	0.24	1.1	1.2 B
08	3	31	24.8	59	19.3	153	19.3	124.2	3.8	6	1	152	9	102	0.24	3.0	4.6 C
08	4	45	36.8	62	33.5	151	21.5	103.2	2.9	18	2	109	159	213	0.37	2.0	6.5 C
08	7	8	40.9	64	25.0	147	26.3	11.8	PALMER ML - 3.1								
08	16	59	48.0	60	18.4	150	37.6	30.4	2.5	6	3	272	82	101	0.34	4.5	7.0 D
08	20	0	16.1	63	53.2	148	56.1	14.0	1.2	8	0	157	17	59	0.38	1.9	1.7 C

^aSee explanation of column headings at end of appendix C.

APPENDIX C (con.)

1966	ORIGIN TIME	LAT N	LONG W	DEPTH	MAG	MP	MS	GAP	D1	D3	RMS	KRM	KRZ Q
	HR MM SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM
JAN 08	23 16	63.8	64 13.8	148 19.7	13.3	0.9	8	8 184	20	45	0.28	0.7	2.2 C
08	23 18	38.2	63 58.4	147 18.7	0.2	1.8	12	3 109	40	89	0.30	1.0	1.6 C
09	7 40	2.3	64 31.4	147 50.6	12.7	0.7	5	2 138	13	37	0.20	1.2	4.4 C
09	18 23	24.0	65 19.4	148 2.1	8.4	1.5	8	6 290	48	76	0.28	1.3	1.3 C
09	19 28	23.1	60 13.1	140 38.6	40.1	3.4	14	0 141	91	323	0.35	5.2	13.3 D
NEIS MB - 5.7, MS - 5.0 FELT AT YAKUTAT, CAPE YAKATAGA, BURWASH LANDING, HAINES JUNC- TION, AND WHITEHORSE IN THE YUKON TERRITORY, CANADA													
09	21 4	38.8	63 40.0	148 41.6	12.5	1.5	8	3 256	14	94	0.30	2.6	2.0 D
09	23 42	41.6	63 55.0	148 56.5	3.7	2.0	12	0 157	21	87	0.25	1.4	2.2 C
10	3 21	15.1	61 45.7	150 39.9	71.1	1.9	9	2 196	82	176	0.25	4.2	3.3 D
10	7 2	25.3	62 16.9	149 41.2	74.4	2.2	11	3 114	82	133	0.35	2.3	3.7 C
10	10 50	47.0	64 56.2	148 37.4	16.1	1.5	6	6 235	26	51	0.24	1.2	0.8 C
10	12 22	57.2	63 2.0	151 3.1	130.1	1.9	11	2 187	120	189	0.24	2.6	5.4 D
10	15 44	11.7	62 48.8	149 29.2	88.4	3.4	13	1 134	106	140	0.29	1.9	7.6 C
10	17 14	42.7	61 18.8	146 56.5	28.8	3.0	14	0 234	62	201	0.36	5.1	3.5 D
10	20 59	16.8	59 58.4	152 24.7	81.1	3.8	8	2 148	54	58	0.33	2.1	2.6 D
10	21 45	44.2	59 18.8	151 2.3	45.2	3.8	7	2 232	28	130	0.22	3.3	3.8 D
11	2 30	2.8	63 4.3	150 56.8	127.1	2.2	10	1 194	125	153	0.24	2.6	8.8 D
11	8 27	3.5	63 36.9	150 33.7	8.1	1.6	6	6 198	82	130	0.34	1.8	1.3 D
11	10 33	43.3	60 14.0	152 41.8	98.3	3.1	6	4 145	21	87	0.29	1.9	2.2 C
11	12 28	27.7	69 52.8	152 14.2	78.7	3.7	8	5 180	41	68	0.24	1.3	2.2 C
11	13 38	12.6	63 20.8	152 1.1	59.4	3.3	11	0 146	154	167	0.38	2.2	21.8 D
PALMER ML - 3.0													
11	18 19	63.2	59 41.6	153 5.5	106.4	2.6	7	8 110	9	63	0.30	1.8	2.1 B
11	19 22	30.6	64 41.2	148 40.2	12.4	1.2	7	4 180	23	37	0.18	1.0	1.6 C
11	20 4	8.4	63 6.7	150 19.9	31.3	4.1	19	0 67	98	140	0.40	1.7	3.5 D
NEIS MB - 4.1													
11	20 30	16.7	60 9.9	152 4.2	70.2	2.6	7	3 199	49	85	0.20	1.8	3.1 C
11	22 43	33.3	63 54.6	148 59.7	3.4	1.4	8	0 185	20	74	0.23	2.1	3.1 C
12	1 23	16.4	64 17.7	148 6.5	8.2	0.7	8	1 91	18	86	0.07	1.0	5.4 C
12	2 45	38.2	63 54.2	148 57.0	8.3	1.1	8	0 159	19	58	0.22	1.6	2.8 C
12	3 43	51.7	63 9.4	149 29.9	87.4	2.0	12	3 148	70	138	0.27	1.5	5.1 D
12	5 4	49.0	64 45.0	147 34.3	10.8	1.7	8	4 124	28	40	0.36	0.9	1.4 C
12	7 5	53.8	59 41.8	152 15.4	71.2	2.7	7	5 116	35	61	0.22	1.6	3.0 B
12	7 17	5.1	64 46.4	147 32.2	11.3	0.8	5	3 129	25	43	0.30	0.7	3.9 C
12	17 31	48.0	61 33.0	146 20.6	23.5	2.3	8	2 221	61	165	0.29	3.2	2.3 D
12	20 0	31.5	69 20.5	152 12.2	61.1	1.9	6	4 172	59	70	0.22	1.6	3.3 C
12	22 56	46.0	62 7.2	150 55.3	80.1	2.2	10	3 135	35	191	0.30	3.8	4.7 C
13	0 54	39.8	62 12.6	147 53.4	74.8	1.7	11	1 198	51	178	0.25	3.4	4.4 D
13	1 1	31.0	62 32.0	149 21.4	45.1	2.1	8	2 128	108	131	0.32	1.8	27.1 D
13	3 14	29.5	59 0.9	153 6.7	70.0	1.5	5	4 192	32	106	0.20	1.8	3.2 C
13	4 41	24.1	63 24.7	152 51.7	89.8	2.8	10	0 161	168	226	0.43	3.9	19.9 D
13	16 9	52.0	64 47.4	147 44.5	10.5	1.1	6	3 115	20	39	0.14	1.2	3.7 B
13	18 52	3 3	64 38.8	151 59.6	39.7	3 0	1	21 139	176	9 0.3	0	4.7	99.
13	18 3	44.8	64 35.0	148 6.1	3.4	1.4	9	4 86	12	46	0.30	0.7	2.9 C
14	0 16	28.5	59 51.6	151 48.7	63.1	2.9	7	4 179	24	82	0.36	1.6	2.3 C
14	10 1	4.4	59 55.9	151 31.0	78.3	3 7	9	3 194	31	88	0.26	2.6	2.6 D
14	15 33	58.9	64 39.8	148 49.1	1.4	1.6	9	2 196	29	68	0.26	1.2	3.3 C
14	16 1	85.1	60 13.1	152 36.2	91.6	4.0	9	2 157	24	82	0.24	2.2	3.3 C
14	21 22	46.1	60 57.0	150 55.1	31.2	2.6	5	2 306	117	193	0.34	35.7	99.0 D
15	3 21	27.9	61 20.6	150 16.5	39.0	3.3	11	1 125	69	169	0.34	2.8	3.2 C
PALMER ML - 3.5 FELT (II) ANCHORAGE AND ENIK.													
15	3 21	58.0	63 1.1	148 48.9	60.1	1.5	8	1 141	80	166	0.38	2.5	3.6 D
15	8 9	20.1	64 57.0	148 34.1	5.4	1.1	7	2 235	24	56	0.26	1.8	13.1 D
15	10 56	39.2	63 0.5	150 42.6	97.4	1.8	10	2 183	120	153	0.25	2.4	7.3 D
15	11 33	16.5	64 0.2	148 6.2	98.9	1.4	7	2 104	21	52	0.14	2.3	2.9 B
15	14 45	58.3	58 59.2	153 8.6	75.6	2.4	5	3 198	29	74	0.24	2.2	4.4 D
15	20 48	1.4	64 43.7	147 51.8	0.4	0.6	6	5 91	17	37	0.28	0.7	69.2 C
16	0 45	9.0	62 26.3	149 57.9	67.2	2.3	12	4 131	96	153	0.38	1.2	5.1 C
16	1 18	28.8	63 54.5	148 56.6	2.3	1.0	9	0 158	20	58	0.22	1.5	3.1 C
16	4 45	6.8	68 47.5	153 15.3	0.6	3.8	9	0 148	83	320	0.11	6.2	3.1 D
16	7 0	58.8	64 44.4	147 28.0	0.3	1.7	6	3 139	28	42	0.21	0.9	99.0 C
16	8 27	43.2	60 23.9	152 4.0	86.2	3 2	5	2 241	39	106	0.31	4.4	4.7 D

APPENDIX C (con.)

1985	ORIGIN TIME			LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERZ Q
JAN	HR	MM	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM
16	13	20	28.4	63	11.8	147	39.8	2.7	1.8	9	8	141	88	113	0.42	1.1	1.4 D
16	14	28	58.0	60	1.6	152	48.3	104.5	2.9	6	5	119	44	77	0.30	1.8	2.3 B
16	21	9	53.7	64	18.2	148	8.6	8.2	1.0	8	1	155	16	56	0.24	1.6	9.4 C
16	22	28	45.2	65	22.8	147	59.7	15.8	1.5	5	5	297	52	101	0.33	1.8	1.0 D
17	1	48	28.8	65	12.6	149	28.7	62.8	1.0	8	0	293	73	101	0.13	17.7	10.1 D
17	2	13	43.0	59	18.3	152	46.3	76.8	2.5	8	5	210	39	75	0.32	2.1	2.7 D
17	2	16	37.8	62	59.1	150	17.1	86.4	1.9	9	0	290	107	177	0.20	17.3	8.6 D
17	8	36	2.9	63	29.6	148	88.8	10.6	1.6	8	3	242	27	91	0.23	2.4	1.3 D
17	8	42	32.4	65	1.1	148	52.9	16.1	2.9	7	0	261	41	71	0.13	5.1	1.5 D
17	10	23	29.0	64	36.7	148	53.7	15.7	0.9	8	4	170	10	43	0.20	1.0	1.2 C
17	15	40	7.7	64	14.9	146	42.3	12.7	2.2	11	0	138	21	71	0.28	1.6	1.5 C
17	19	22	14.0	60	26.8	150	18.8	40.1	4.5*	9	0	277	115	136	0.21	20.4	9.5 D
NEIS MB - 4.6 FELT (IV) AT NIMILCHIK AND (III) AT MOOSE PASS. ALSO FELT AT HOMER, ANCHORAGE, KENAI, SEWARD, AND TYONEK.																	
17	19	27	18.1	60	25.9	150	19.3	39.6	4.2*	9	0	277	113	135	0.24	16.4	11.1 D
FELT REPORTS OF THIS EVENT CON- FUSED WITH THE PREVIOUS ONE.																	
17	19	44	51.9	65	0.7	148	38.6	0.6	1.4	7	1	249	31	59	0.08	2.1	99.0 D
18	6	16	37.1	59	45.3	151	26.2	47.2	2.6	8	2	203	17	103	0.10	2.2	3.8 C
18	14	32	58.5	65	2.9	150	23.4	21.0	1.9	8	0	298	82	109	0.37	14.6	99.0 D
18	14	37	46.4	64	58.0	149	46.8	19.4	1.8	8	2	285	55	87	0.22	4.6	1.7 D
18	15	8	50.0	65	0.5	150	11.4	28.0	2.0	8	2	293	72	99	0.30	5.0	43.1 D
18	20	0	54.9	63	54.6	148	56.5	1.1	1.0	9	0	157	20	57	0.24	1.5	14.1 C
19	0	41	32.7	61	7.3	146	18.0	0.2	1.7	5	1	314	96	266	0.35	7.4	6.7 D
19	11	18	53.4	63	55.0	148	46.0	13.6	1.3	9	2	144	55	65	0.28	1.4	1.2 C
19	18	43	0.2	60	46.8	151	4.9	49.8	3.8	9	1	229	101	140	0.24	5.7	14.4 D
19	23	2	23.9	59	44.8	153	11.6	128.2	2.5	5	2	181	10	86	0.31	3.0	5.0 D
20	2	14	52.8	63	13.5	150	66.8	0.3	2.2	8	4	198	115	142	0.35	2.3	1.4 D
20	3	23	23.7	61	41.9	149	0.1	43.5	1.9	6	1	131	14	137	0.21	4.4	5.5 C
20	4	29	12.1	62	30.2	151	18.4	123.5	2.7	14	1	193	59	182	0.32	3.7	7.2 D
21	2	35	49.9	61	43.0	151	18.1	92.8	2.3	5	2	282	116	333	0.23	6.0	8.0 D
21	2	39	59.8	68	66.8	152	23.1	74.0	3.2	18	6	138	73	77	0.36	1.3	2.9 D
21	3	34	53.4	63	6.8	150	37.4	116.7	1.6	5	0	297	109	179	0.27	29.0	17.0 D
21	11	42	12.5	64	40.1	149	55.8	0.3	1.5	8	1	278	42	87	0.30	2.1	3.5 D
21	15	13	8.3	64	23.7	149	41.3	22.8	1.2	6	4	262	29	78	0.23	2.1	0.7 C
21	20	4	40.3	63	32.5	150	42.0	8.3	2.1	6	3	200	90	140	0.28	4.0	1.7 D
22	0	40	56.2	64	42.4	149	16.0	14.7	1.1	7	2	251	17	62	0.23	1.8	2.1 C
22	1	43	57.2	63	12.1	149	49.5	84.8	2.0	11	3	180	74	144	0.28	1.7	2.6 C
22	6	11	9.1	64	39.7	149	11.4	14.8	1.8	8	1	243	11	53	0.13	3.2	1.4 D
22	7	48	58.6	57	58.9	151	49.7	37.6	2.6	6	2	226	47	175	0.24	6.4	10.2 D
23	2	56	31.0	59	48.9	153	27.8	128.6	2.2	6	3	123	22	78	0.16	2.4	3.8 C
23	5	56	59.7	64	29.9	147	57.0	5.0	1.1	8	3	85	8	45	0.40	0.7	4.3 C
23	17	15	43.4	64	7.5	148	11.7	7.8	1.9	10	0	88	14	52	0.37	1.1	2.2 C
23	19	27	25.6	59	51.5	151	52.9	4.3	2.3	6	3	173	26	79	0.38	2.1	4.6 C
24	0	54	10.8	59	44.9	151	25.6	57.2	1.9	5	2	201	27	106	0.16	4.1	4.0 D
24	2	45	33.2	62	57.8	149	40.4	79.8	2.0	12	3	146	94	145	0.44	1.4	3.0 D
24	3	33	18.0	63	25.1	150	7.5	109.3	1.9	9	4	176	69	139	0.30	1.7	2.5 D
24	5	25	49.0	59	26.4	152	40.0	69.4	3.6	8	3	179	40	83	0.34	2.5	2.6 C
24	8	24	52.0	61	33.7	151	43.5	84.0	2.0	8	1	117	48	139	0.39	2.5	4.2 C
24	13	30	1.3	60	28.6	151	40.2	52.2	3.4	6	2	249	61	126	0.20	2.9	6.0 D
24	17	49	59.5	60	27.7	151	34.7	63.0	3.4	7	1	240	68	108	0.21	4.2	7.5 D
25	3	5	59.5	64	55.6	148	67.5	18.7	2.5	9	0	254	39	66	0.21	4.6	1.4 D
25	3	35	32.5	64	50.1	147	25.4	11.6	1.1	6	8	149	17	52	0.15	0.9	3.3 C
25	5	0	36.4	66	24.9	148	51.6	52.6	3.8*	13	0	155	162	160	0.38	2.2	41.1 D
25	9	23	58.2	59	43.2	152	13.6	70.8	2.8	8	4	131	34	60	0.34	1.5	2.5 C
25	12	7	13.7	63	52.8	149	22.7	133.1	1.4	10	1	244	27	79	0.33	4.8	6.4 D
25	17	4	44.8	59	48.0	153	22.1	117.9	3.0	8	7	117	18	47	0.34	1.7	2.1 C
25	17	32	21.8	63	13.1	150	0.2	107.5	1.9	10	1	168	78	148	0.21	3.6	6.1 D
25	19	16	33.1	64	27.1	147	18.3	9.8	1.5	9	2	111	18	43	0.13	0.9	2.2 B
25	20	8	49.4	60	27.1	151	11.0	59.3	2.3	6	3	259	78	92	0.28	3.2	6.3 D
25	22	30	23.4	64	18.7	148	16.1	17.3	1.1	8	1	75	20	49	0.13	1.0	1.6 B
25	22	38	13.3	64	38.8	146	54.8	2.7	1.5	10	2	168	27	60	0.36	1.2	2.6 D
26	0	28	3.3	63	21.2	151	9.7	19.6	2.0	6	4	209	119	154	0.30	3.7	4.7 D
26	0	49	46.0	60	14.7	152	14.2	79.4	2.8	6	4	181	35	88	0.23	1.5	2.7 C

APPENDIX C (con.)

	ORIGIN TIME			LAT N	LONG W	DEPTH	MAG	NP	MS	GAP	D1	D3	RMS	ERH	ER2 Q	
1988	HR	MIN	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM	
JAN 26	1	30	29.8	59 50.9	152 37.8	86.0	2.9	8	2	102	40	64	0.13	2.2	8.0 C	
26	1	34	44.2	64 52.6	149 2.2	10.5	2.2	7	2	257	34	64	0.41	1.9	1.8 D	
26	2	31	32.9	64 46.7	147 32.5	1.7	1.4	7	2	128	25	43	0.33	1.0	45.1 C	
26	5	2	39.2	64 13.8	147 15.5	17.8	1.4	8	1	102	25	48	0.23	1.3	1.3 B	
26	13	32	53.7	63 32.1	148 50.6	11.6	1.4	11	4	126	23	85	0.32	1.1	1.0 C	
26	17	1	56.9	64 24.4	148 11.0	16.0	1.0	7	2	88	9	47	0.13	0.8	2.6 B	
26	21	37	31.4	60 5.3	152 2.2	77.5	2.0	5	4	166	53	74	0.23	2.3	3.3 C	
27	1	21	29.0	62 3.7	150 33.0	90.9	1.9	10	0	136	52	171	0.29	16.1	30.8 D	
27	1	47	13.0	59 55.5	151 17.4	54.5	3.8*	11	1	154	29	45	0.34	2.9	5.3 D	
27	13	52	14.6	64 48.9	149 4.3	15.1	FELT (IV)	AT	HOMER.							
27	15	27	56.5	65 11.0	148 55.4	6.6	1.4	6	1	255	27	61	0.13	3.6	1.6 D	
27	15	39	56.9	60 2.3	152 41.9	94.6	2.0	9	1	217	54	75	0.27	3.8	2.5 D	
27	19	2	38.9	64 56.1	148 52.9	6.8	3.1	10	3	111	43	73	0.32	2.0	3.4 C	
27	21	18	23.9	62 6.0	150 14.4	71.2	1.8	8	4	261	37	64	0.32	1.4	1.7 D	
28	0	31	46.8	62 43.6	149 37.9	77.3	2.1	11	3	126	69	156	0.29	1.7	2.8 B	
28	2	16	44.0	59 57.8	152 49.8	94.9	1.5	9	3	137	118	166	0.37	1.6	4.1 D	
28	3	11	1.8	65 35.4	145 3.7	138.1	3.0	10	7	98	41	73	0.38	1.3	1.9 C	
28	6	19	43.2	63 16.6	151 5.8	1.7	1.9	6	1	325	132	416	0.15	46.3	26.1 D	
28	7	29	32.9	65 51.6	147 48.1	1.9	1.6	7	4	204	119	176	0.36	2.7	1.4 D	
28	9	20	21.4	63 1.1	149 57.7	98.3	2.3	10	2	194	99	140	0.29	3.6	2.0 D	
28	11	24	27.3	62 57.9	150 58.7	113.1	1.6	9	3	158	95	164	0.20	2.0	2.9 C	
28	13	7	16.7	64 5.6	148 43.1	16.6	3.4	25	0	69	114	162	0.40	1.7	5.6 C	
28	13	37	53.6	63 30.1	147 36.8	86.6	0.9	7	6	119	30	42	0.31	0.7	1.1 C	
28	14	54	1.5	64 32.3	149 24.0	15.8	2.1	12	1	114	70	66	0.32	1.9	3.2 C	
28	16	18	57.8	59 51.3	152 56.9	114.8	1.3	8	2	253	16	63	0.22	2.9	1.1 D	
28	17	57	23.9	63 42.0	150 48.7	7.3	2.7	7	5	154	28	64	0.31	1.6	2.3 C	
28	20	43	8.1	63 32.3	151 0.1	2.5	2.0	11	0	209	93	151	0.32	4.4	4.0 D	
28	21	58	54.1	62 59.8	150 27.3	101.7	1.7	6	2	209	108	149	0.22	4.3	3.1 D	
29	1	1	21.3	59 17.2	152 45.5	72.6	1.7	10	2	174	112	149	0.20	3.9	3.2 D	
29	1	48	58.8	63 52.0	148 39.6	107.4	3.4	12	6	100	36	64	0.37	1.7	3.3 C	
29	5	45	7.0	63 10.0	150 19.4	100.4	1.9	11	6	101	20	50	0.25	1.3	2.3 B	
29	6	46	0.4	59 7.0	152 25.0	80.0	1.4	8	0	175	94	169	0.16	4.2	7.5 D	
29	16	21	10.0	66 15.8	149 45.1	24.2	2.9	13	5	122	61	75	0.34	1.3	2.6 C	
30	1	9	48.2	59 59.9	153 16.6	131.3	2.5	11	0	183	176	179	0.35	2.0	27.0 D	
30	1	32	52.1	64 25.8	148 36.4	7.0	2.8	8	4	201	39	69	0.35	2.8	2.5 D	
30	1	47	28.9	60 7.5	152 50.6	111.1	0.6	4	3	176	25	43	0.15	1.1	8.4 C	
30	2	58	22.8	66 10.6	149 64.7	30.9	2.3	5	3	164	33	112	0.35	3.6	3.5 C	
30	3	39	16.7	63 59.8	149 49.8	8.1	1.5	8	2	149	171	183	0.28	5.4	17.6 D	
30	3	59	19.9	64 48.8	148 3.0	12.6	1.1	6	2	266	37	74	0.11	1.9	2.8 C	
30	16	17	59.6	64 28.4	148 6.8	20.1	0.9	6	4	129	5	38	0.12	1.1	1.6 B	
30	20	44	20.0	55 31.4	153 19.3	41.7	1.8	8	1	73	1	39	0.11	1.1	1.5 B	
30	21	49	46.8	62 25.0	150 51.6	74.6	3.9	8	0	309	95	214	0.29	44.8	44.4 D	
30	21	49	46.8	62 25.0	150 51.6	74.6	PALMER ML - 4.0									
31	3	16	33.3	59 50.6	152 39.3	84.8	NEIS MB - 4.6									
31	4	8	58.1	62 23.1	148 16.2	49.6	2.5	12	3	163	60	195	0.24	1.6	2.4 C	
31	4	33	45.0	63 29.8	146 26.3	0.2	2.9	7	5	115	39	68	0.29	1.8	3.2 B	
31	5	33	3.4	64 48.8	147 21.9	0.2	1.8	7	2	268	29	78	0.18	2.9	1.2 D	
31	7	10	25.0	64 35.0	149 40.4	14.9	3.7*	21	0	69	103	140	0.28	1.8	5.6 B	
31	7	13	57.7	63 9.0	150 32.4	123.3	0.7	6	3	121	30	42	0.38	1.0	5.1 C	
31	16	3	52.6	64 5.5	148 42.0	11.2	1.5	8	3	269	31	68	0.30	2.4	1.3 D	
31	16	49	52.3	64 46.0	149 33.9	22.2	2.2	10	1	166	104	142	0.27	3.6	6.7 D	
FEB	01	1	30	19.1	64 49.4	149 23.1	17.7	1.0	6	4	284	31	68	0.29	2.6	1.4 D
01	5	29	39.2	64 27.7	146 51.5	7.6	1.0	6	5	240	8	61	0.27	1.4	3.0 C	
01	6	26	15.5	66 24.2	149 49.9	144.6	2.8	7	2	244	177	192	0.21	5.1	10.9 D	
01	6	27	18.7	66 24.7	149 49.3	39.1	PALMER ML - 3.0									
01	7	13	50.0	62 55.1	149 25.0	101.5	2.7	6	2	244	178	193	0.30	11.0	21.8 D	
01	9	7	2.1	66 13.7	149 56.9	10.0	1.7	6	2	141	94	166	0.48	2.1	6.6 D	
01	9	7	2.1	66 13.7	149 56.9	10.0	2.1	7	5	172	169	178	0.27	2.4	4.0 C	
01	9	11	10.1	59 48.3	153 36.5	147.6	3.3	9	4	127	27	48	0.34	2.4	2.7 C	
01	12	47	48.2	64 18.1	148 21.9	3.7	0.6	8	2	81	23	44	0.26	0.9	15.9 C	
01	13	16	35.6	60 43.5	151 55.1	85.7	2.5	5	4	277	58	139	0.35	3.9	3.0 D	
01	15	26	39.6	63 5.4	150 29.1	101.1	1.7	8	1	178	105	140	0.19	4.4	7.4 D	
01	17	54	31.1	63 6.6	151 1.7	124.6	1.8	8	1	198	126	152	0.22	5.8	7.1 D	

APPENDIX C (con.)

	ORIGIN		TIME	LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	RRH	RRZ Q		
1955	HR	MM	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM		
FEB	01	20	35	53.2	64 28.5	149 18.5		9.9	1.2	6	5	230	16	59	0.38	1.2	4.1 D		
	01	21	51	39.0	60 1.6	152 48.2		97.5	3.2	7	5	111	44	77	0.16	1.7	2.2 B		
	01	22	31	4.9	52 07.9	149 47.2		79.4	1.6	7	3	151	96	183	0.43	3.4	3.3 D		
	01	23	4	35.6	56 21.5	147 50.6		9.9	4.3	7	3	312	294	373	0.55	92.8	88.2 D		
	02	5	34	8.8	64 42.9	148 17.6		12.0	0.6	6	4	141	14	31	0.15	0.9	2.2 C		
	02	6	13	59.7	63 4.6	150 39.0		116.2	1.8	6	2	163	113	145	0.19	2.5	7.2 D		
	02	8	10	12.8	64 46.5	149 26.0		18.7	2.1	9	6	263	26	82	0.36	1.9	0.9 D		
	02	8	48	53.3	63 33.0	149 52.6		0.4	3.3*	13	1	172	51	118	0.29	3.7	2.5 D		
	02	8	53	55.3	63 22.8	150 10.8		2.3	1.9	5	0	331	104	144	0.17	88.6	25.7 D		
	02	11	34	0.6	66 11.9	149 57.4		53.3	2.5	9	4	151	169	176	0.39	2.1	15.1 D		
	02	12	22	5.4	63 9.0	150 50.9		134.6	2.0	11	3	193	116	143	0.37	2.3	3.4 D		
	02	13	13	50.2	61 42.5	151 57.2		107.0	3.2	15	4	185	38	229	0.25	2.0	3.7 C		
	02	17	24	31.7	64 48.4	148 58.5		16.6	0.9	5	4	244	26	57	0.23	2.6	1.3 D		
	02	20	51	49.7	60 5.9	152 40.2		87.5	2.9	5	4	119	36	92	0.31	2.6	4.4 C		
	03	2	34	16.5	64 7.2	147 26.7		0.1	2.4	11	2	99	25	80	0.34	0.8	4.0 C		
	03	4	40	43.3	63 33.3	150 52.2		2.0	1.5	8	6	206	96	144	0.38	1.9	1.3 D		
	03	7	14	12.2	65 0.1	149 25.9		14.2	1.4	9	5	278	50	78	0.30	1.5	1.0 C		
	03	12	37	53.8	65 6.1	138 22.8		36.4	2.5	10	0	262	281	415	0.36	13.4	99.0 D		
	03	17	39	49.3	60 3.0	152 58.5		114.3	2.4	6	4	176	43	86	0.35	2.8	3.5 C		
	03	18	14	42.9	59 41.2	152 36.4		77.3	2.8	10	4	90	35	56	0.31	1.6	2.2 C		
	03	19	10	58.9	61 32.5	150 8.9		54.2	3.3*	13	0	119	153	232	0.19	3.6	49.6 D		
									FELT AT PALMER, ANCHORAGE, EAGLE RIVER, AND WASILLA.										
	03	21	13	43.0	63 1.7	150 29.4		82.6	1.8	11	1	292	111	186	0.22	6.3	6.9 D		
	03	22	17	48.5	59 49.7	153 17.1		125.8	2.8	9	5	127	20	72	0.29	1.6	1.8 B		
	04	2	46	35.6	57 9.2	153 55.6		38.0	2.9	7	3	174	51	68	0.32	2.3	1.4 D		
	04	3	7	15.4	59 20.4	152 45.0		79.2	3.2	12	5	99	36	44	0.32	1.6	2.1 C		
	04	15	6	14.6	63 31.4	147 37.4		5.3	2.1	14	5	73	69	89	0.39	0.7	1.1 D		
	04	15	10	39.3	63 32.4	149 2.5		14.1	4.3*	17	0	107	22	90	0.32	1.6	1.4 C		
									NEIS MB = 4.5										
									FELT (IV) AT CANTWELL. ALSO FELT AT FAIRBANKS, HEALY AND WILLOW.										
	04	15	18	50.6	63 31.5	148 59.0		4.7	1.3	6	1	280	23	117	0.16	4.7	3.6 D		
	04	15	25	44.1	63 34.4	149 2.5		12.4	1.4	11	3	135	19	87	0.33	1.7	1.1 C		
	04	16	6	48.9	63 35.4	149 2.5		12.1	1.1	7	2	304	17	85	0.28	2.6	1.0 D		
	04	16	14	57.2	64 19.1	148 31.6		0.6	0.9	6	5	134	27	37	0.26	0.8	60.9 C		
	04	16	28	58.8	63 34.7	149 1.7		11.3	1.4	10	5	242	18	86	0.39	2.0	1.1 D		
	04	16	53	41.6	63 33.9	149 3.4		14.2	1.7	10	6	244	20	88	0.36	1.3	0.9 D		
	04	16	57	43.1	63 34.8	149 5.3		13.4	1.5	9	5	168	19	88	0.32	2.1	0.8 C		
	04	17	3	50.1	63 35.6	149 6.3		11.3	1.2	8	3	308	18	87	0.39	2.2	1.2 D		
	04	17	30	20.8	66 10.7	149 55.7		14.2	2.6	7	1	230	170	173	0.28	5.2	5.8 D		
	04	21	14	35.4	63 34.3	149 2.3		12.5	1.5	8	6	135	19	87	0.29	1.4	1.0 C		
	05	6	31	13.3	62 2.1	148 47.5		99.7	1.7	6	3	163	80	201	0.36	4.2	4.9 D		
	05	7	36	46.6	63 37.9	147 32.2		83.2	2.4	14	3	81	64	85	0.28	1.3	2.6 B		
	05	9	2	37.5	64 38.7	152 44.6		96.1	2.2	7	5	217	175	211	0.33	3.9	27.0 D		
	05	13	33	46.1	63 24.6	150 55.5		32.8	1.6	5	3	325	105	158	0.21	5.5	6.1 D		
	05	18	52	31.9	62 55.9	148 34.5		2.8	1.5	6	4	195	91	147	0.33	2.8	2.7 D		
	06	0	59	34.2	62 43.5	150 47.2		27.1	2.2	12	2	104	92	183	0.31	2.1	3.4 D		
	06	2	35	2.3	66 21.2	149 45.4		40.5	1.8	6	5	242	179	186	0.23	3.2	99.0 D		
	06	4	20	31.8	63 53.9	149 1.0		6.0	1.0	7	0	174	19	76	0.31	2.6	3.1 C		
	06	7	0	45.2	64 41.9	148 33.0		2.1	1.3	8	5	176	29	42	0.34	0.7	16.6 C		
	06	7	38	49.0	59 47.4	152 9.8		65.6	2.8	6	3	117	33	62	0.17	1.5	3.4 B		
	06	9	52	59.4	64 15.9	149 23.5		12.6	1.5	8	7	224	38	67	0.38	1.1	0.8 D		
	06	11	9	59.2	62 29.5	149 28.8		71.9	2.1	9	3	195	102	141	0.38	1.9	3.6 D		
	06	23	31	0.3	57 59.2	150 41.9		27.0	2.6	6	1	239	115	174	0.10	2.8	4.9 D		
	07	0	44	15.4	59 52.4	152 48.7		103.3	3.2	11	5	93	34	68	0.33	1.6	2.3 C		
	07	4	17	28.4	59 50.0	153 42.5		138.4	3.0	5	3	139	28	143	0.33	2.2	5.6 C		
	07	18	25	4.7	59 47.8	151 50.5		57.6	1.8	4	4	183	46	80	0.11	2.0	4.3 C		
	07	20	19	29.1	63 33.8	149 1.4		11.1	1.4	9	1	243	19	87	0.30	3.3	1.6 D		
	07	21	53	15.0	59 46.4	152 1.3		53.3	2.3	6	4	120	52	89	0.27	1.4	3.4 B		
	07	22	17	58.1	62 54.0	150 42.2		93.6	2.6	17	2	109	111	164	0.29	1.9	3.0 B		
	08	7	28	2.6	63 44.0	149 33.3		126.0	1.6	11	2	166	31	94	0.18	4.3	2.5 C		
	08	13	39	16.1	61 38.1	151 53.5		116.8	2.3	9	1	299	43	279	0.27	7.0	2.8 D		
	08	15	26	7.3	64 53.9	148 56.4		4.9	1.1	4	5	251	37	54	0.33	1.9	13.0 D		

APPENDIX C (con.)

	ORIGIN		TIME	LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERZ Q
1986	HR	MM	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM
FEB 08	19	45	5.3	59	52.9	150	48.1	41.2	2.2	8	0	260	14	53	0.29	10.1	10.1 D
09	0	50	30.2	63	36.1	149	43.5	23.0	1.5	8	1	307	42	113	0.32	5.0	2.7 D
09	3	38	48.8	59	55.2	153	25.3	139.5	3.6	9	3	132	32	63	0.28	2.6	2.7 C
09	9	21	47.0	59	29.6	152	20.9	67.8	3.2	7	4	173	44	63	0.14	1.7	2.8 C
09	22	2	52.4	55	39.5	154	14.3	5.1	2.7	5	3	197	46	93	0.31	1.6	1.6 D
09	23	31	23.5	64	43.4	146	49.2	12.2	1.3	6	4	233	36	50	0.35	1.6	1.2 D
10	12	10	31.7	61	45.9	150	13.4	35.6	3.0	8	1	187	65	226	0.27	3.1	9.3 D
10	13	53	44.2	63	34.4	149	0.9	32.2	3.7	10	0	159	159	219	0.45	5.9	64.8 D
10	14	38	53.4	59	47.3	152	42.8	101.8	2.3	7	4	93	33	70	0.12	1.6	2.5 B
10	20	18	33.6	64	50.0	149	2.9	15.8	1.5	7	3	254	29	60	0.19	3.5	1.6 D
11	11	47	12.9	59	53.0	153	6.3	125.1	2.7	7	5	116	27	62	0.29	1.9	2.3 B
11	18	59	54.5	58	6.1	154	29.4	82.9	4.8	13	0	209	57	105	0.21	5.9	5.9 D
11	20	38	37.4	58	11.3	154	17.7	41.0	3.0	7	1	233	57	91	1.61	4.5	2.3 D
12	0	36	47.2	64	34.1	150	44.7	6.7	1.6	4	4	300	60	125	0.33	2.6	1.4 D
12	0	47	50.4	62	12.0	151	28.2	76.1	2.7	10	2	265	140	221	0.34	5.4	15.4 D
12	2	52	37.6	63	20.0	151	3.2	16.9	2.1	9	2	205	114	180	0.34	4.5	7.3 D
12	7	40	18.2	58	47.5	152	54.1	72.5	2.4	8	4	142	48	83	0.30	1.6	3.7 C
12	8	53	45.9	59	53.6	152	52.0	102.7	2.5	7	6	104	34	65	0.31	1.5	2.0 C
12	22	9	36.4	60	10.8	152	35.1	114.3	2.9	9	3	136	29	78	0.29	2.1	3.2 C
13	1	7	42.1	60	12.9	152	17.6	97.1	2.7	7	5	171	35	93	0.25	1.9	2.3 C
13	2	23	53.7	63	54.2	150	7.8	11.5	1.5	7	6	286	62	112	0.37	1.8	1.0 D
13	4	8	28.3	64	47.6	147	22.1	9.2	1.0	7	7	158	22	37	0.32	0.8	3.8 C
13	4	11	27.9	63	43.0	147	10.9	9.8	1.4	10	3	139	63	78	0.35	1.4	1.2 D
13	6	17	45.0	63	35.3	150	56.0	0.3	1.8	6	6	209	100	161	0.32	1.7	1.0 D
13	8	10	33.4	63	24.5	147	36.4	47.0	1.2	5	4	186	76	118	0.25	2.8	10.4 D
13	9	31	14.6	64	29.9	149	22.4	12.0	1.2	8	5	252	17	69	0.24	1.2	1.0 C
13	15	59	54.2	61	51.2	150	18.7	14.7	3.9	17	0	76	32	69	0.25	1.4	3.3 C
FELT (IV) AT KASEWITNA AND WILLOW; (III) AT WASILLA; (II) AT PALMER AND ANCHORAGE.																	
13	18	9	10.4	60	27.3	153	11.6	146.0	3.5	13	0	85	24	93	0.19	2.5	7.3 B
13	21	50	15.2	59	36.7	152	42.7	93.2	3.7	11	1	93	30	60	0.30	1.9	4.1 C
FELT (II) AT HOMER.																	
13	22	39	24.8	64	9.3	149	23.6	154.9	1.6	6	0	225	46	76	0.06	15.2	21.4 D
14	1	50	36.2	58	1.3	154	0.2	74.4	2.7	7	2	202	32	95	0.35	3.0	4.2 D
14	2	11	44.3	64	27.0	147	59.7	15.0	0.9	6	2	111	5	43	0.23	0.9	3.0 B
14	2	59	33.8	66	12.3	149	55.5	10.0	1.5	7	2	151	170	176	0.41	1.9	6.2 D
14	5	4	1.4	66	15.7	149	44.8	10.0	5.4	18	0	153	176	179	0.40	1.8	19.5 D
NEIS ME - 8.0, MS - 5.0 FELT (IV) AT FAIRBANKS.																	
14	5	22	43.6	66	24.8	149	51.8	101.8	1.9	6	2	244	176	194	0.42	8.3	21.7 D
14	5	57	51.7	66	26.1	149	44.6	42.2	1.5	5	1	246	182	194	0.17	8.5	99.0 D
14	7	12	43.3	66	12.6	150	3.9	61.0	1.5	6	2	152	154	180	0.36	2.8	22.8 D
14	7	41	6.1	66	11.3	149	56.4	71.9	1.6	7	1	150	169	175	0.21	8.0	16.7 D
14	7	57	58.7	66	18.5	149	51.3	40.6	1.7	5	4	238	174	184	0.39	3.2	99.0 D
14	7	59	9.3	66	21.0	149	51.2	42.2	2.1	5	0	241	175	190	0.13	11.3	99.0 D
14	8	0	25.4	66	9.9	150	1.6	20.0	3.1	8	3	149	165	175	0.46	2.0	3.8 D
PALMER ML - 3.3																	
14	8	12	25.0	66	20.2	149	50.0	46.4	1.7	6	5	240	176	186	0.25	4.0	66.6 D
14	8	46	45.6	66	25.4	149	40.9	10.0	1.6	6	0	246	184	192	0.20	11.2	99.0 D
14	9	30	56.2	66	15.8	149	55.0	10.0	2.1	8	2	235	171	181	0.37	8.9	8.8 D
14	9	37	42.3	63	58.5	148	18.0	17.2	0.8	5	4	278	29	77	0.12	1.7	1.1 C
14	10	5	25.9	66	18.0	149	52.8	49.8	1.6	5	4	238	173	183	0.29	4.5	49.5 D
14	11	45	35.6	66	20.8	149	49.2	40.5	1.7	5	5	241	177	186	0.15	3.2	99.0 D
14	13	1	49.8	59	49.9	151	46.3	66.9	2.9	9	5	138	21	50	0.34	1.3	2.2 C
14	13	9	27.7	61	51.6	150	26.5	59.1	3.8	15	1	77	38	75	0.21	2.1	3.8 B
FELT (II) AT WILLOW, ANCHORAGE AND BIG LAKE.																	
14	13	35	53.0	59	36.9	152	51.8	101.0	2.7	7	7	90	42	88	0.30	1.3	2.6 B
14	14	6	36.2	66	17.2	149	51.0	40.5	1.7	5	3	237	174	181	0.36	4.7	99.0 D
14	15	14	20.5	66	18.1	150	0.6	6.6	1.7	6	0	237	167	187	0.22	9.8	99.0 D
14	16	23	26.6	63	59.7	147	17.8	9.8	1.9	9	3	163	37	66	0.23	1.5	2.3 C
14	17	2	5.5	66	8.4	150	3.2	11.3	3.8	11	0	148	164	173	0.37	2.9	30.4 D
14	17	7	14.3	66	11.1	150	2.8	64.0	4.1	12	0	151	165	177	0.39	2.0	10.9 D
14	17	11	9.0	66	18.8	149	56.6	41.9	2.0	5	4	238	171	186	0.15	3.9	99.0 D
14	17	15	49.3	66	23.3	149	48.1	46.6	1.7	5	3	245	179	194	0.32	5.9	56.0 D

APPENDIX C (con.)

	ORIGIN TIME			LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERH	ERZ Q
1985	HR	MM	SEC	DEG MIN	DEG MIN	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM
FEB	14	17	16	57.2	66 54.3	150 46.0	260.2	4.3	7	1	136	134	177	0.35	8.2	13.8	D
	14	17	24	24.9	66 30.4	154 52.8	145.4	3.0	7	4	211	86	113	0.30	4.7	3.4	D
	14	17	26	8.0	66 20.7	149 52.1	39.8	2.3	5	4	240	174	187	0.12	7.6	12.1	D
	14	17	40	47.8	66 40.5	149 26.4	27.3	4.4*	12	0	174	201	212	0.40	2.4	99.0	D
	14	17	40	39.1	66 26.0	149 48.1	34.4	3.8	7	0	248	180	198	0.37	12.2	99.0	D
	14	17	48	51.2	66 10.8	150 7.4	15.0	2.4	6	1	151	161	179	0.29	3.1	9.6	D
	14	17	59	6.4	66 21.9	149 49.2	49.3	1.8	4	2	242	177	190	0.23	4.8*	66.4	D
	14	18	6	33.4	66 11.7	150 8.9	36.7	3.2*	6	0	152	160	181	0.31	2.8	99.0	D
	14	18	20	27.1	66 12.9	150 4.3	11.6	1.8	7	1	152	164	180	0.37	2.6	7.4	D
	14	18	37	48.9	66 9.1	150 8.1	20.0	3.1*	7	5	149	161	177	0.43	1.4	2.9	D
	14	19	5	38.0	66 14.1	149 59.5	3.0	1.9	7	0	153	168	180	0.25	8.8	99.0	D
	14	19	22	32.0	66 3.1	150 15.9	96.0	3.4*	7	0	144	155	172	0.27	4.1	22.6	D
	14	19	22	20.5	59 29.4	153 0.2	99.8	2.1	6	3	96	72	100	0.51	2.0	4.4	C
	14	20	1	59.8	58 21.1	153 35.2	72.7	2.8	10	5	169	41	67	0.31	2.1	3.4	C
	14	20	13	40.3	66 10.6	150 2.2	57.2	2.3	6	3	150	165	176	0.28	3.2	20.0	D
	14	20	40	40.2	66 19.1	149 53.5	15.0	3.3	6	0	251	185	188	0.33	15.3	99.0	D
	14	21	43	7.7	62 6.5	150 58.9	71.1	2.0	6	1	147	32	277	0.24	9.6	9.1	D
	14	21	50	52.0	66 11.5	150 2.7	65.6	1.8	6	2	151	165	178	0.24	3.2	15.3	D
	14	21	54	0.4	66 14.1	150 6.0	10.0	3.7	6	1	154	163	183	0.36	2.5	6.4	D
	14	22	2	45.3	63 29.6	145 25.7	0.1	PALMER ML - 3.4 3.4* 9 0 139 21 126 0.17 2.0 2.6 C FELT AT ALYESKA PIPELINE PUMP STATION TEN.									
	14	22	11	29.5	63 26.5	146 33.5	0.0	1.7	5	3	207	15	127	0.26	3.0	3.7	D
	14	23	7	1.0	66 22.8	149 35.9	37.5	4.3*	9	0	159	186	187	0.17	2.5	99.0	D
	14	23	10	29.9	66 47.3	149 13.8	75.0	3.9*	7	0	266	214	224	0.31	27.5	59.8	D
	15	0	11	34.9	66 19.6	149 53.7	47.2	1.9	6	4	239	173	186	0.26	4.8	51.5	D
	15	0	14	35.1	66 14.4	150 6.6	20.0	3.6	7	1	154	162	184	0.21	2.7	5.3	D
	15	0	20	51.0	66 11.5	150 6.1	10.0	2.5	7	2	151	162	179	0.18	2.5	4.2	C
	15	0	58	13.8	66 12.4	150 0.9	44.0	1.7	6	2	152	168	178	0.21	3.3	99.0	D
	15	1	45	35.0	66 17.8	150 3.5	12.6	3.8*	9	0	157	185	187	0.15	2.7	28.4	D
	15	2	23	22.9	66 15.1	149 59.7	10.4	2.3	8	0	164	166	182	0.36	3.1	41.3	D
	15	2	47	55.5	66 14.0	150 4.8	10.0	2.2	7	2	153	163	182	0.26	2.4	4.5	C
	15	3	6	40.3	60 11.0	152 47.6	114.0	2.9	8	2	121	26	90	0.24	2.8	2.5	C
	15	4	16	18.0	66 2.6	150 10.6	109.8	3.6*	8	4	143	159	169	0.28	3.2	7.4	D
	15	6	31	6.7	64 36.4	150 31.7	39.1	1.8	6	0	292	70	118	0.17	19.2	4.5	D
	15	6	36	14.7	64 2.9	148 10.5	113.2	3.0	13	0	97	19	51	0.23	2.2	5.0	C
	15	7	57	21.2	64 10.6	148 31.7	3.7	PALMER ML - 2.4 2.8 12 1 72 29 39 0.26 1.1 2.1 C 0.9 5 3 171 20 73 0.18 1.5 99.0 C									
	15	9	25	44.4	63 51.8	148 38.8	0.2	0.9	5	3	171	20	73	0.18	1.5	99.0	C
	15	10	6	13.2	63 14.3	150 55.5	101.9	2.1	10	3	198	113	178	0.21	2.6	3.4	D
	15	10	9	47.8	61 26.3	151 35.0	79.0	2.3	7	2	280	57	229	0.30	5.8*	2.8	D
	15	12	23	11.9	66 13.4	150 4.1	10.0	2.1	6	2	153	164	181	0.29	2.6	4.6	C
	15	12	47	40.2	66 19.4	149 58.7	10.0	2.1	6	0	238	169	188	0.38	10.0	42.1	D
	15	12	47	56.2	66 17.2	149 59.1	1.8	4.1*	11	0	236	168	165	0.61	8.6	5.6	D
	15	13	5	53.9	66 11.6	150 3.7	20.0	2.2	6	2	151	164	178	0.20	2.5	3.9	D
	15	13	42	44.3	61 51.5	147 16.3	42.6	2.5*	14	1	166	4	155	0.39	3.3	3.4	C
	15	15	0	15.5	66 12.8	150 7.2	10.4	1.7	7	0	153	162	182	0.32	6.7	99.0	D
	15	17	44	31.9	62 11.8	148 7.7	85.1	2.2	4	1	134	58	179	0.15	9.3	11.3	D
	15	17	57	18.3	62 18.5	148 10.6	64.8	2.3	9	3	101	69	167	0.20	2.9	7.3	C
	15	19	9	48.7	66 15.6	149 43.8	20.0	2.7	11	1	153	176	179	0.28	2.3	7.4	D
	15	21	56	29.8	66 13.7	150 4.8	10.0	2.1	7	1	153	164	182	0.31	2.4	6.2	D
	15	22	15	43.1	63 31.4	148 57.8	1.6	1.1	6	2	250	23	118	0.30	3.9	3.5	D
	15	22	33	27.3	66 13.0	150 2.9	10.0	1.7	6	1	152	165	184	0.34	2.5	7.5	D
	15	23	3	42.0	66 12.8	150 5.9	10.0	1.6	6	2	152	163	185	0.34	2.5	4.5	D
	16	1	44	15.3	64 53.4	147 36.2	9.9	0.9	6	3	129	8	25	0.23	1.9	2.3	B
	16	3	23	8.6	66 22.1	149 43.8	53.6	1.8	8	4	243	181	188	0.25	4.7	31.6	D
	16	3	51	59.3	59 45.8	153 12.1	12.4	2.2	7	3	181	13	56	0.28	1.2	1.8	C
	16	5	7	15.4	68 8.1	150 9.0	91.9	2.3	8	2	148	160	181	0.33	2.3	8.9	D
	16	6	30	27.7	64 24.7	147 54.4	10.7	0.8	8	3	108	11	46	0.14	1.2	2.0	B
	16	6	59	47.9	59 36.4	153 5.3	100.2	2.1	7	4	57	10	82	0.31	1.9	3.2	B
	16	10	53	31.6	62 55.2	152 5.7	100.2	2.3	5	3	233	109	237	0.35	9.8	11.1	D
	16	11	17	19.7	56 29.6	153 55.2	49.2	3.3	8	1	319	91	141	0.32	6.8	25.4	D
	16	11	35	21.0	66 10.0	150 19.5	137.8	2.0	5	2	151	182	187	0.39	4.3	8.8	D
	16	12	22	31.6	68 12.2	149 57.8	40.6	2.0	5	3	151	169	180	0.39	2.2	99.0	D
	16	12	32	46.0	60 19.6	151 30.0	67.5	2.8	8	5	232	71	75	0.30	2.1	2.9	C

APPENDIX C (con.)

1968	ORIGIN TIME		LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR Q
FEB	HR	MM	SEC	DEG MIN	DEG MIN	KM			DEG	KM	KM	SEC	KM	KM
16	12	54	49.3	57 29.8	156 35.4	28.4	3.1	5	2	308	171	215	0.55	18.8 28.1 D
18	13	0	33.9	66 18.6	149 58.0	25.0	2.1	5	3	235	189	186	0.23	3.3 33.4 D
18	15	20	0.4	66 28.8	149 44.2	43.3	2.0	6	4	249	183	198	0.36	6.9 99.0 D
16	15	30	32.3	62 14.7	152 20.1	0.9	2.3	5	1	279	51	266	0.37	13.7 2.8 D
16	18	44	51.8	65 29.8	149 51.8	23.8	2.1	5	2	183	109	129	0.28	4.2 4.1 D
16	22	58	56.2	62 53.5	149 54.7	83.4	1.8	10	3	152	108	151	0.28	1.8 3.4 C
17	2	28	59.8	61 47.7	147 9.0	43.5	1.9	9	8	244	10	202	0.33	2.5 1.8 D
17	6	12	15.8	58 39.8	154 11.0	15.1	3.4	8	3	193	43	91	0.43	2.8 6.1 D
17	8	36	7.4	66 11.9	150 6.3	69.9	1.9	7	3	182	182	184	0.31	3.0 18.9 D
17	7	13	8.6	66 11.9	149 88.6	20.0	1.6	7	3	151	168	180	0.39	2.4 3.7 D
17	9	30	29.4	64 46.8	147 46.8	10.8	0.7	5	6	111	18	38	0.23	0.5 3.1 B
17	14	1	17.8	66 25.2	149 49.7	156.7	2.2	4	1	245	178	195	0.30	12.4 21.5 D
17	14	53	41.5	61 36.4	149 48.8	38.4	3.5	20	0	104	36	134	0.43	1.5 2.4 C
17	15	53	27.7	66 10.1	149 59.2	19.3	3.1	8	0	149	167	178	0.13	3.3 42.0 D
17	17	5	9.7	62 43.8	151 16.2	102.8	2.4	10	2	197	84	228	0.30	3.2 6.2 D
17	17	15	55.9	64 3.5	148 4.8	114.9	1.8	8	3	140	42	82	0.34	3.1 3.5 C
17	17	36	27.2	61 49.8	149 17.5	74.0	1.7	7	2	117	28	119	0.21	15.4 13.5 C
17	21	47	7.4	66 13.3	149 52.7	8.1	3.4	9	1	152	23	175	0.24	3.3 2.6 C
17	23	2	4.6	63 10.0	150 40.6	17.8	1.5	5	3	187	107	178	0.43	3.8 3.9 D
17	23	43	15.2	66 10.2	150 4.5	0.5	1.5	6	2	150	21	174	0.39	2.2 2.2 C
18	0	35	38.8	60 18.3	151 3.9	65.1	2.0	4	3	252	61	95	0.16	3.0 4.8 D
18	1	17	7.2	66 13.3	149 49.6	10.0	2.9	11	2	234	23	175	0.35	4.0 2.4 D
18	1	22	58.8	68 11.9	149 58.3	3.6	1.5	6	3	231	21	174	0.41	3.6 2.1 D
18	1	36	48.8	66 16.2	149 46.7	3.9	3.4	11	2	174	28	178	0.22	1.9 2.3 C
18	1	39	56.4	68 10.5	150 5.5	0.5	2.1	7	2	150	22	175	0.34	2.2 3.8 C
18	2	28	56.8	63 41.9	148 27.9	36.7	1.2	4	3	301	60	102	0.23	5.0 11.7 D
18	2	45	43.6	63 17.7	150 32.9	110.1	2.1	14	4	187	94	180	0.44	2.9 2.6 D
18	5	31	6.3	66 11.9	150 15.6	6.5	1.6	5	4	228	29	182	0.32	4.7 1.4 D
18	6	3	50.8	68 57.9	153 57.3	114.6	3.0	9	3	176	18	93	0.35	2.8 4.4 C
18	6	49	2.6	59 28.3	152 6.1	63.1	2.4	8	7	119	33	67	0.32	1.1 2.1 C
18	7	24	27.2	60 3.4	152 7.9	85.3	3.2	10	4	188	62	76	0.28	1.9 2.9 C
18	10	4	36.2	59 46.3	152 41.8	90.7	2.3	9	6	95	34	63	0.33	1.4 2.1 C
18	10	23	55.9	64 43.5	149 1.2	14.2	0.8	7	6	239	17	53	0.36	1.2 0.9 D
18	11	11	14.9	66 9.2	149 45.5	0.1	1.6	5	4	227	16	170	0.46	4.3 3.5 D
18	11	22	36.5	62 39.8	149 58.1	89.1	2.2	11	4	144	111	130	0.26	2.0 6.3 D
18	11	49	12.0	63 14.3	149 44.1	92.8	2.2	17	1	105	68	153	0.29	2.0 4.3 B
18	14	2	35.5	61 39.8	150 21.1	33.0	2.3	6	2	204	65	161	0.21	4.5 2.2 D
18	16	30	35.7	64 38.4	147 41.1	0.7	0.8	8	4	108	27	41	0.32	0.7 74.7 C
18	17	21	50.8	62 8.9	151 49.1	99.8	2.2	8	2	245	24	229	0.23	4.1 3.3 D
18	18	12	25.8	66 14.4	149 61.8	9.2	3.7	10	1	223	25	177	0.25	4.8 3.3 D
18	18	19	24.0	66 9.1	150 4.9	2.9	1.6	6	5	149	20	173	0.59	1.9 1.4 D
18	18	22	44.1	66 9.2	150 5.3	5.4	2.4	8	3	149	20	173	0.33	1.6 1.5 C
18	18	34	46.6	60 24.7	152 26.6	5.1	1.0	6	2	194	18	113	0.38	3.1 2.6 D
18	19	47	8.1	66 11.7	150 3.6	2.6	2.3	7	2	151	23	183	0.37	2.3 3.1 C
18	20	13	36.3	66 9.6	150 2.9	4.8	1.5	6	3	149	19	173	0.48	2.4 1.4 C
18	20	25	5.9	66 8.6	150 6.0	2.5	1.8	6	3	148	19	173	0.37	2.2 1.8 C
18	22	4	14.6	66 14.3	149 55.1	3.8	3.4	12	2	153	25	177	0.19	1.7 1.9 C
18	22	10	23.8	66 9.6	150 3.2	3.2	1.7	6	3	149	19	173	0.43	2.2 1.8 C
18	22	17	31.1	66 9.2	150 4.4	4.3	2.0	7	3	149	20	173	0.42	1.8 1.8 C
18	22	54	18.8	66 11.1	150 2.4	0.4	1.8	6	3	150	22	175	0.30	1.8 2.1 C
19	0	23	14.4	66 13.4	149 58.9	0.8	1.6	6	3	152	25	178	0.33	2.4 2.1 C
19	1	42	50.9	59 34.7	153 3.1	100.5	2.6	7	4	130	13	68	0.40	2.9 3.9 C
19	2	40	54.3	66 10.1	150 0.9	0.1	1.5	6	2	228	19	173	0.45	3.9 2.2 D
19	2	43	44.1	66 9.9	150 1.6	0.3	1.3	6	1	228	19	173	0.37	5.1 3.8 D
19	2	58	57.0	66 4.7	149 55.8	0.0	1.3	5	3	223	9	164	0.41	6.7 2.3 D
19	3	40	13.8	66 10.1	150 6.3	0.2	1.9	8	3	150	22	175	0.34	1.5 2.2 C
19	4	17	21.7	66 10.3	150 6.3	0.2	3.3	9	2	150	22	175	0.38	2.0 2.3 C
19	4	22	52.9	66 9.8	150 5.8	0.9	1.9	7	4	149	21	174	0.40	1.9 1.8 C
19	4	31	38.9	66 11.0	150 4.2	2.6	1.6	7	2	151	22	176	0.45	2.3 3.0 C
19	4	36	37.7	66 10.2	150 6.8	0.1	2.3	8	3	150	22	175	0.37	2.2 2.0 C
19	4	39	29.8	66 11.3	150 2.2	0.2	1.9	8	0	151	22	175	0.28	2.3 3.9 C
19	5	4	21.0	66 10.8	150 5.7	0.2	1.7	8	3	150	22	175	0.41	1.8 2.2 C

APPENDIX C (con.)

1965	ORIGIN TIME			LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ER2 Q
FEB	HR	MM	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM
19	7	16	47.3	66 11.3	150 2.3	0.1	2.6	8	1	151	22	175	0.37	1.9	3.6 C
19	7	23	9.9	66 15.6	149 51.8	0.5	3.6*	11	2	174	25	179	0.22	2.9	2.8 C
19	7	30	28.2	66 8.8	150 4.3	1.7	1.4	6	2	226	19	172	0.38	4.8	3.1 D
19	7	56	12.8	60 18.6	151 34.3	63.2	2.3	8	6	226	67	73	0.32	1.9	2.7 D
19	8	17	11.5	66 9.7	150 4.9	1.1	2.4	8	5	149	20	174	0.28	1.6	1.6 C
19	9	34	25.6	66 10.0	150 3.2	2.2	1.6	7	1	149	20	174	0.44	2.6	3.2 C
19	9	49	50.0	66 11.6	150 4.7	0.1	2.4	8	4	151	23	177	0.35	1.5	1.7 C
19	9	51	41.8	66 11.3	150 3.6	0.2	1.8	7	2	151	22	176	0.39	2.2	3.0 C
19	12	24	0.0	61 42.5	149 33.7	44.9	1.9	7	0	168	26	119	0.22	4.4	6.4 C
19	13	4	14.6	64 25.2	147 14.6	16.6	1.3	6	2	136	14	43	0.15	1.2	1.6 C
19	13	22	29.8	62 16.4	150 56.8	76.9	2.1	8	1	156	45	195	0.13	6.9	9.5 C
19	13	40	47.1	66 10.4	150 2.7	0.9	1.8	7	2	150	21	174	0.32	2.2	3.4 C
19	15	20	41.7	66 10.9	150 2.0	0.4	2.3	8	4	150	21	175	0.39	1.6	1.7 C
19	17	50	59.0	62 10.4	150 29.0	71.3	2.3	10	3	125	59	170	0.28	3.2	4.5 C
20	1	51	39.2	63 55.0	148 56.8	2.2	2.6*	7	0	177	21	75	0.12	2.4	3.3 C
20	3	20	46.1	60 10.6	153 19.8	134.3	3.2	8	3	150	41	65	0.32	3.2	5.6 D
20	16	37	18.6	63 1.9	147 49.6	40.8	1.2	5	2	233	98	125	0.40	2.6*	99.0 D
20	18	41	30.3	63 56.5	149 9.3	0.3	1.1	10	0	205	24	80	0.24	3.6	2.6 D
21	4	12	56.0	66 2.4	148 18.1	25.0	1.4	7	1	157	69	129	0.19	2.0	99.0 D
21	4	45	21.1	66 11.0	150 5.0	0.0	1.4	5	2	229	22	176	0.34	3.9	3.8 D
21	5	0	6.2	63 59.9	147 25.2	2.8	1.3	9	2	110	32	80	0.31	1.5	4.9 C
21	7	12	49.6	64 38.8	146 46.1	3.8	1.1	5	2	236	28	66	0.26	1.7	19.6 D
21	7	43	27.8	62 44.5	151 1.9	82.4	4.6*	22	0	65	69	162	0.34	1.8	5.7 C
NEIS MS - 4.6 FELT (III) AT TALLEETNA: (II) AT ANCHORAGE AND WILLOW.															
21	8	13	39.9	66 12.6	149 59.7	0.2	1.9	7	3	152	23	177	0.36	2.3	2.3 C
21	9	59	1.8	64 43.6	149 16.0	18.1	1.4	8	6	260	19	63	0.27	1.6	0.7 C
21	13	9	22.0	61 6.2	148 10.9	16.0	2.1	7	2	267	75	203	0.36	3.7	2.3 D
21	14	13	14.3	66 8.4	150 5.9	0.6	1.6	6	2	148	19	172	0.41	2.3	2.3 C
21	14	36	44.1	64 34.0	145 47.7	1.2	1.9	8	4	263	76	95	0.29	2.0	3.1 C
21	14	43	15.5	66 10.2	150 0.0	0.9	1.6	6	3	229	19	173	0.36	2.9	1.7 D
21	23	23	17.6	66 8.6	150 8.9	0.4	2.2	6	2	225	21	174	0.33	6.0	2.8 D
22	0	28	42.8	60 16.0	152 44.4	128.8	2.5	6	2	151	13	119	0.30	3.7	5.1 C
22	2	32	7.6	64 31.6	148 56.5	14.7	0.8	5	3	127	9	62	0.26	1.2	2.0 B
22	2	36	17.5	66 9.3	150 4.3	1.4	1.7	8	2	227	20	173	0.38	4.4	3.3 D
22	4	45	52.3	60 1.1	151 54.6	81.1	2.8	8	5	182	43	65	0.33	1.7	2.3 C
22	5	54	0.1	60 27.9	151 57.2	67.2	2.6	8	4	238	45	98	0.31	2.9	2.8 D
22	8	30	53.2	62 42.5	149 19.9	97.1	2.0	10	3	128	128	143	0.26	2.4	7.7 C
22	13	13	45.5	61 38.0	151 17.5	82.6	2.5	9	1	251	41	211	0.36	6.2	4.6 D
22	13	56	29.4	64 39.0	146 93.2	1.3	1.1	6	4	219	27	51	0.37	1.2	40.2 D
22	14	51	34.6	66 11.4	149 57.4	0.0	2.3	7	3	170	21	174	0.36	1.8	1.8 C
22	17	27	60.0	63 15.8	147 49.7	93.7	1.8	9	3	210	78	103	0.21	2.8	2.7 D
22	19	3	25.5	66 11.3	150 2.2	0.8	1.6	6	3	229	22	175	0.38	2.6	2.1 D
22	20	38	32.7	53 30.3	161 59.1	38.0	5.1*	6	0	334	226	701	0.08	99.0	99.0 D
NEIS MS - 5.2, NS - 4.9 FELT (II) AT GOLD BAY.															
22	21	3	58.5	63 42.6	149 31.0	111.3	1.5	10	1	163	29	110	0.25	3.1	2.1 C
23	4	25	31.3	60 7.4	153 16.3	126.2	3.2	11	3	86	43	64	0.34	2.3	2.2 B
23	8	10	49.4	62 56.5	149 25.3	93.3	2.1	11	1	138	93	158	0.28	2.2	6.9 D
23	8	57	19.9	59 49.9	153 14.7	117.2	3.3	10	5	116	20	53	0.36	1.9	1.9 C
23	9	36	23.6	66 10.4	150 6.3	0.7	2.7	7	2	169	23	176	0.35	2.7	2.5 C
23	10	12	2.2	62 51.6	146 46.3	6.0	1.9	8	2	131	98	143	0.41	2.2	1.7 D
23	12	58	35.6	65 27.7	145 21.7	1.6	2.1	6	0	331	109	140	0.21	99.0	54.9 D
23	20	46	15.4	64 49.2	146 33.6	14.6	2.1	11	0	192	43	59	0.27	2.5	1.8 D
23	22	59	42.0	62 49.9	146 44.1	91.1	2.1	9	1	155	101	167	0.38	2.7	6.7 D
23	23	6	33.9	63 1.0	149 21.3	77.8	1.8	10	3	139	82	161	0.29	1.7	2.9 C
24	3	48	31.8	66 8.5	150 3.5	0.1	1.7	6	2	226	19	172	0.39	5.9	2.3 D
24	4	35	8.1	64 28.0	149 34.1	12.5	1.3	7	3	260	27	79	0.21	1.6	1.1 C
24	10	32	51.9	66 10.6	150 5.0	1.2	2.0	6	3	228	22	176	0.46	4.1	3.3 D
24	11	15	0.1	68 7.1	154 31.3	76.2	2.6	12	2	225	60	104	0.29	4.7	4.3 D
24	16	37	55.1	66 6.6	150 1.6	2.2	2.0	6	1	225	14	168	0.41	6.0	2.2 D
24	16	37	19.5	66 7.8	150 0.3	0.1	2.0	6	0	226	16	169	0.50	16.7	5.1 D
24	16	51	42.1	65 34.2	146 34.8	14.9	1.9	8	2	320	75	111	0.25	5.3	1.5 D
24	18	18	22.4	66 7.6	150 3.0	4.2	2.1	7	2	226	17	170	0.41	6.4	1.9 D
PALMER ML - 2.9															
24	19	3	19.3	66 13.6	149 57.8	0.1	2.1	7	2	172	25	177	0.42	2.1	2.5 C
PALMER ML - 2.9															

APPENDIX C (con.)

	ORIGIN TIME			LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERH	ERZ Q	
1985	HR	MM	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM	
FEB	24	19	19	42.2	66 22.8	149 47.0	40.6	1.6	6	1	243	179	189	0.12	9.5	99.0 D
	24	22	29	15.1	66 9.4	150 3.8	0.1	1.5	7	0	227	19	173	0.35	15.8	4.8 D
	24	22	29	32.1	66 14.9	149 54.6	1.6	3.7*	7	0	234	26	178	0.32	8.9	5.6 D
	25	0	57	19.7	59 39.5	153 8.2	115.2	2.4	8	4	89	5	61	0.34	2.2	3.1 B
	25	1	2	14.8	63 2.7	149 36.2	90.6	1.6	6	2	162	84	155	0.15	4.2	3.8 D
25	4	25	8.8	59 53.2	152 39.4	86.7	3.3	10	2	103	41	62	0.31	2.0	2.3 C	
25	5	43	7.7	64 52.1	148 35.8	19.3	2.5	9	1	121	22	40	0.26	1.2	1.0 B	
25	6	39	20.1	66 12.1	149 59.7	1.0	1.6	5	1	231	22	176	0.39	5.1	4.9 D	
25	7	6	24.2	66 11.7	149 59.6	2.5	1.8	6	3	230	22	175	0.54	4.3	2.2 D	
25	8	11	45.3	58 56.3	152 28.6	66.0	2.2	6	4	223	67	96	0.38	2.1	4.0 D	
25	15	56	20.9	60 42.1	151 5.4	60.2	2.7	9	0	294	145	238	0.11	37.9	9.3 D	
25	18	19	36.5	62 49.6	149 54.9	82.6	1.7	7	2	184	112	200	0.12	13.1	4.1 D	
26	0	6	40.2	62 32.6	153 19.1	41.6	4.0*	13	0	115	144	205	0.37	2.8	14.9 D	
26	0	40	52.4	66 9.4	150 5.6	0.2	2.0	6	3	227	20	174	0.38	4.5	2.1 D	
26	1	2	56.1	58 47.0	154 10.0	105.2	2.9	9	4	207	34	116	0.34	3.1	3.2 D	
26	1	25	36.3	64 35.8	149 20.4	22.5	1.2	6	3	256	13	63	0.19	2.1	0.7 D	
26	3	35	36.4	62 59.8	150 10.9	81.4	1.8	12	2	165	103	144	0.33	2.8	3.2 D	
26	9	47	16.8	64 33.5	148 49.2	8.1	0.9	5	4	175	13	44	0.19	1.2*	3.8 C	
26	10	25	39.6	59 42.3	151 27.7	67.0	2.5	7	4	120	12	33	0.27	1.6	2.2 B	
26	12	30	22.0	66 9.2	150 2.0	1.5	2.0	6	2	227	18	172	0.37	4.1	3.3 D	
26	17	0	38.8	61 21.5	146 30.1	15.9	2.3	8	1	232	69	275	0.22	6.3	4.1 D	
26	17	44	38.6	66 52.1	145 40.7	75.6	2.0	5	0	152	39	208	0.17	6.5	5.3 D	
26	17	54	1.6	66 59.2	146 32.4	29.1	3.8*	15	0	95	74	182	0.28	3.6	11.6 D	
27	3	11	46.5	66 9.4	150 4.2	1.0	3.0*	8	0	149	20	173	0.40	2.8	3.4 C	
27	3	13	58.7	66 7.8	150 2.0	0.1	2.9*	6	0	226	16	170	0.25	15.7	4.3 D	
27	3	57	40.5	63 14.9	150 8.9	103.3	1.6	7	0	284	81	170	0.32	27.0	13.1 D	
27	5	50	31.1	62 17.2	149 0.4	11.9	1.4	5	0	137	101	161	0.34	3.8	6.8 D	
27	6	25	25.4	62 3.1	149 28.7	17.9	1.7	7	0	107	54	116	0.25	3.3	5.7 D	
27	9	46	44.8	60 15.4	151 16.8	50.6	2.3	6	3	235	59	81	0.24	2.5	4.3 D	
27	13	19	32.6	58 2.8	151 44.4	34.0	2.6	5	2	220	56	125	0.14	2.2	2.3 C	
27	13	33	15.8	60 4.0	151 31.3	77.0	3.1	8	4	193	46	62	0.26	2.5	2.4 D	
27	13	58	20.2	63 14.5	150 27.9	118.8	2.0	9	1	190	94	180	0.27	4.9	6.6 D	
27	22	24	38.1	63 2.7	149 21.4	84.5	2.0	10	3	140	80	171	0.26	1.6	2.9 C	
28	4	47	39.1	56 45.7	153 4.6	30.2	2.9	6	4	218	45	85	0.35	2.2	1.4 D	
28	6	6	41.5	64 57.4	147 31.6	14.3	1.0	5	6	178	7	33	0.19	1.3	1.7 C	
28	6	58	22.1	65 25.0	148 4.3	13.6	1.5	8	5	195	58	66	0.36	2.3	1.1 D	
28	9	2	18.3	64 46.4	148 52.9	17.0	1.1	9	6	228	24	51	0.32	1.1	0.9 D	
28	9	8	1.1	64 45.7	148 51.0	16.9	1.4	9	5	221	23	49	0.36	1.1	1.3 D	
28	9	21	0.1	59 48.8	153 17.3	119.2	2.7	10	6	116	18	51	0.32	2.2	2.2 C	
28	11	55	12.3	64 31.8	147 8.6	0.9	0.9	7	3	159	17	52	0.23	1.0	52.2 C	
28	12	19	58.6	64 31.7	147 8.6	7.7	1.1	7	2	159	16	52	0.19	1.1	2.3 C	
28	12	33	26.0	61 25.6	149 33.9	38.3	2.3	5	2	233	30	127	0.24	7.3	2.2 D	
28	15	41	10.8	64 27.8	146 52.4	34.0	1.2	7	1	234	8	60	0.19	7.0	8.3 D	
28	17	25	30.5	66 5.7	150 11.3	0.1	1.9	6	3	207	19	170	0.41	12.5	7.6 D	
28	19	29	23.7	62 58.1	149 11.0	88.9	2.5	15	3	130	86	149	0.32	1.6	4.1 C	
28	20	32	57.5	63 42.2	148 22.3	15.7	1.2	7	3	236	28	72	0.37	3.0	1.4 D	
28	22	2	33.4	64 31.8	147 9.7	2.7	1.1	9	2	156	17	51	0.25	1.2	17.5 C	
28	22	20	52.6	60 18.7	152 9.7	93.2	2.5	6	3	200	36	95	0.26	2.5	2.7 C	
MAR	01	4	8	9.8	61 35.1	146 28.6	23.4	2.1	7	2	263	53	270	0.27	3.8	3.3 D
	01	6	6	24.8	64 40.6	149 16.2	18.2	1.3	7	6	257	14	61	0.24	1.4	0.7 C
	01	6	44	9.5	63 32.3	147 13.8	0.3	1.7	10	2	160	69	87	0.41	1.2	2.0 D
	01	10	21	9.8	60 22.7	151 57.4	75.3	2.6	7	5	222	45	91	0.23	2.1	2.7 C
	01	13	40	5.8	66 9.1	150 1.1	0.6	1.8	7	2	148	18	171	0.38	2.0*	2.4 C
01	14	50	42.3	57 18.8	152 34.8	14.0	2.4	5	3	178	20	49	0.13	2.0	12.1 C	
01	14	59	0.4	62 0.5	148 22.5	42.0	2.0	5	2	112	58	165	0.37	3.9	10.8 C	
01	16	11	24.0	63 31.3	147 2.8	1.8	1.2	6	3	194	60	99	0.38	1.6	13.0 D	
01	19	18	47.3	64 26.6	149 57.2	24.7	1.6	5	2	275	45	94	0.15	2.4	99.0 D	
01	19	46	35.6	62 55.5	150 48.6	115.2	2.4	11	0	184	112	203	0.22	7.9	25.6 D	
01	19	48	40.8	62 49.9	148 47.0	97.6	1.5	5	2	154	101	171	0.34	2.2	7.2 D	
01	21	49	8.3	62 37.0	149 41.0	51.1	3.1	19	0	88	118	130	0.40	1.7	12.1 D	
01	23	8	43.8	58 59.2	151 7.6	45.0	PALMER ML - 3.5	3.1	10	6	202	60	88	0.33	2.0	6.3 D
01	23	19	48.6	63 2.4	144 4.5	2.4	2.4	4	0	147	71	116	0.18	2.8	99.0 D	
02	0	27	10.6	60 23.3	152 29.6	96.7	3.0	9	8	111	16	94	0.35	1.5	2.0 C	
02	1	13	23.6	63 1.5	150 30.6	94.9	1.9	10	1	177	111	181	0.21	4.2	3.6 D	
02	2	11	17.0	66 10.3	150 2.8	0.3	2.6*	6	3	228	21	174	0.30	3.5	2.0 D	
02	3	14	30.0	63 43.1	146 43.3	15.5	1.4	6	1	169	50	79	0.16	3.0	1.9 C	

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR Q
MAR	HR	MIN	SEC	DEG MIN	DEG MIN	KM			DEG	KM	KM	SEC	KM	KM
02	3	24	37.2	66 4.3	149 51.0	0.5	1.8	8	1	224	7	182	0.43	6.5 3.6 D
02	3	50	24.1	59 34.6	152 22.7	88.7	2.8	8	6	101	43	68	0.28	1.4 2.3 B
02	5	36	3.3	66 7.4	150 3.8	3.0	2.1	7	2	147	17	170	0.40	2.6 1.7 C
02	8	23	4.3	59 35.1	150 45.6	35.1	2.7	8	3	278	21	81	0.18	6.0 2.4 D
02	8	26	12.8	62 34.2	149 36.1	1.6	2.0	6	3	137	112	134	0.36	1.7 1.0 D
02	9	20	48.8	66 16.8	149 55.6	89.7	1.8	8	1	236	181	186	0.19	20.0 63.5 D
02	9	46	19.9	60 0.6	152 14.4	91.1	3.3	9	9	142	52	66	0.33	1.6 2.7 D
02	12	49	59.3	60 18.8	152 59.9	123.2	2.6	8	4	177	17	89	0.24	3.1 5.6 C
02	14	56	6.9	59 35.7	152 52.1	91.4	2.6	10	7	92	21	70	0.35	1.4 1.6 C
02	18	56	22.6	60 56.2	152 43.0	120.3	1.2	4	2	258	58	166	0.11	7.9 7.5 D
02	21	31	2.7	59 38.5	150 34.7	29.3	2.1	6	3	303	22	150	0.32	4.9 2.3 D
02	22	41	22.6	59 58.1	151 46.5	59.3	2.4	9	6	162	38	58	0.23	1.5 2.6 C
03	2	11	47.1	59 8.0	153 50.3	101.5	2.8	6	5	166	25	68	0.20	3.6 2.4 C
03	5	52	27.1	60 15.3	153 37.2	176.2	3.1	10	8	178	50	71	0.23	3.7 2.6 D
03	5	52	48.4	61 30.1	151 36.2	100.0	2.4	8	0	304	84	325	0.34	68.1 50.4 D
03	9	16	6.6	64 43.4	147 18.1	4.2	0.8	5	4	242	30	42	0.18	1.9 17.1 D
03	10	59	13.7	67 33.6	156 18.4	136.1	4.0	8	4	284	183	199	0.18	13.6 17.7 D
03	13	38	47.3	59 36.3	152 45.7	118.2	PALMER ML - 3.7 4.8* 15 0 124 27 48 0.21 2.6 6.0 C NEIS ME - 4.6 FELT (IV) AT HOMER, KALIFONSKY, KENAI, SOLDOTNA, AND CLAM GULCH; (III) AT ANCHORAGE, GIRDWOOD AND WHITTIER; (II) AT PALMER AND WASILLA.							
04	4	40	2.6	64 11.2	149 57.7	19.1	1.4	7	3	269	35	71	0.26	1.7 0.9 C
04	8	28	42.3	60 4.1	153 10.4	125.6	3.2	8	5	222	46	97	0.23	4.4 2.4 D
04	12	48	19.1	59 30.6	152 44.4	73.7	2.3	7	6	101	42	85	0.29	1.2 3.6 B
04	13	19	56.3	59 40.1	152 23.5	65.7	1.5	4	4	175	67	86	0.12	2.0 5.7 D
04	18	40	15.1	63 52.8	148 57.2	11.0	1.0	8	0	182	17	60	0.29	2.1 1.8 C
04	22	51	59.1	62 49.2	148 56.9	82.1	1.9	8	1	216	102	178	0.18	2.8 7.7 D
05	2	27	5.2	64 50.7	147 29.5	20.9	1.1	6	5	135	16	31	0.29	1.0 0.9 B
05	11	41	42.5	58 19.5	153 27.2	68.9	3.6	15	5	143	34	66	0.25	2.3 3.3 C
05	18	10	45.4	60 4.6	148 21.4	18.8	PALMER ML - 4.0 3.1 9 3 129 135 173 0.27 3.1 5.4 D PALMER ML - 3.2							
05	18	16	37.6	63 16.6	149 5.4	97.1	3.0*	21	0	60	52	116	0.26	1.9 4.2 B
05	19	6	36.2	62 43.8	149 33.1	34.3	3.3*	18	1	90	116	129	0.34	1.9 3.3 D
05	19	26	19.9	62 44.0	149 36.4	38.7	2.3	11	1	135	117	130	0.35	2.8 4.0 D
05	19	40	59.3	64 29.8	147 48.9	18.4	1.6	8	2	86	14	40	0.15	1.1 3.4 B
05	21	35	56.1	64 34.8	149 12.3	17.3	1.3	7	4	238	6	55	0.29	1.4 1.0 C
06	1	39	26.5	62 42.8	149 34.8	43.7	3.3*	13	1	135	118	130	0.34	3.2 37.9 D
06	4	17	58.6	63 32.4	151 13.7	26.6	1.9	4	0	216	116	177	0.21	53.0 96.0 D
06	4	33	14.1	59 59.8	161 29.3	54.4	3.2	13	6	81	39	54	0.41	1.8 3.2 B
06	9	56	45.6	64 29.7	149 21.1	19.0	1.3	8	6	244	16	61	0.32	1.2 0.8 D
06	16	18	13.0	66 9.5	150 2.2	0.9	1.9	8	3	226	19	172	0.44	3.4 1.9 D
06	17	52	4.4	60 11.6	150 41.7	34.2	2.5	7	3	149	49	80	0.28	2.3 5.4 C
06	18	51	36.0	63 54.0	146 57.6	7.2	1.1	8	1	162	19	59	0.22	1.8 2.1 C
06	19	36	53.8	63 28.9	147 37.2	81.8	1.9	11	8	119	74	89	0.29	1.5 3.0 B
06	21	37	58.6	61 29.7	150 35.0	65.8	3.1	19	4	104	74	169	0.34	1.4 3.5 C
06	22	38	26.0	62 6.0	150 20.3	50.1	FELT AT WILLOW AND TALLEKTHA AND ANCHORAGE. 4.2 16 0 88 160 244 0.45 2.7 57.1 D PALMER ML - 4.1							
06	23	26	6.9	61 27.9	146 20.2	21.5	2.5	6	1	262	67	174	0.17	6.7 3.5 D
07	6	39	32.7	64 45.5	151 2.2	0.3	1.6	5	0	308	96	138	0.13	23.6 6.7 D
07	7	0	50.0	66 61.3	147 12.8	40.2	2.4	7	0	187	93	149	0.31	3.6* 99.0 D
07	10	52	2.7	59 42.7	152 56.9	99.3	2.8	5	5	169	17	99	0.18	3.5 2.4 C
07	12	7	16.2	57 44.5	153 45.3	40.7	3.1	11	3	166	2	75	0.30	2.2 1.6 D
07	13	28	24.3	57 33.8	153 40.3	33.3	3.1	12	3	204	23	63	0.39	1.6 2.7 D
08	0	19	53.7	64 36.0	149 24.2	21.7	1.9	7	2	260	17	66	0.15	4.2 1.3 D
08	0	44	6.6	56 42.8	163 54.4	33.9	3.5	6	3	322	96	212	0.29	12.2 4.4 D
08	5	24	16.0	60 28.2	151 56.5	73.8	2.8	8	5	239	46	96	0.30	2.9 2.7 D
08	9	0	16.2	66 10.8	150 3.9	1.0	2.4	8	1	229	22	175	0.36	6.2 4.3 D
08	9	0	37.7	66 11.4	149 59.0	0.1	1.9	7	1	180	21	174	0.37	2.4 2.5 C
08	14	52	29.3	63 44.3	149 20.5	116.6	1.7	10	1	154	20	85	0.15	2.9 2.2 C
08	17	30	49.9	64 38.1	149 13.7	16.4	1.6	9	3	243	10	56	0.32	1.6 1.2 D

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ER2 Q
HAN	HR MN	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM
08	18 14	57.0	60 19.4	152 19.9	93.4	3.2	0	8	114	27	90	0.36	1.6	2.1 C
08	18 38	10.9	63 5.5	147 25.6	0.4	1.6	8	1	217	100	124	0.35	2.8	2.4 D
09	3 0	46.0	66 9.7	149 25.6	0.6	2.0	8	1	228	18	171	0.40	7.4	6.2 D
09	4 33	53.2	64 50.8	147 12.1	19.3	1.0	8	5	196	18	61	0.22	1.2	1.2 C
09	5 0	44.0	63 3.2	150 55.2	129.0	3.7	22	4	99	124	154	0.31	2.0	5.8 C
PALMER HL - 3.3														
09	9 13	58.5	65 8.1	148 37.1	11.6	1.0	8	2	261	38	62	0.21	4.4	2.3 D
09	11 34	15.1	63 50.9	148 35.8	112.8	2.0	13	1	90	21	52	0.26	2.0	4.6 B
09	13 11	53.4	66 11.4	149 59.8	1.3	2.5	8	2	150	21	175	0.36	1.6	2.1 C
09	13 52	32.7	63 26.9	145 32.4	7.3	1.4	8	2	133	18	127	0.30	2.8	2.4 C
09	13 57	57.3	66 16.1	149 47.0	8.8	4.8*	15	0	194	28	178	0.27	2.4	2.4 C
WEIS MB - 4.6														
09	14 3	25.2	66 8.0	150 0.9	0.4	2.3	8	0	226	16	170	0.36	12.3	4.2 D
09	14 8	2.6	66 18.4	149 50.1	7.9	6.0*	17	0	103	33	183	0.30	1.9	2.4 C
NEIS MB - 5.9, MS - 6.0														
FELT (IV) AT BETTLES AND ALYESKA														
PIPELINE PUMP STATION SIX. ALSO														
FELT AT FAIRBANKS.														
09	14 16	29.0	66 15.7	150 12.7	65.1	5.4*	5	0	195	453	100	0.11	99.0	99.0 D
NEIS MB - 5.2														
FELT AT BETTLES, FAIRBANKS AND														
ALYESKA PIPELINE PUMP STATION SIX.														
09	14 29	56.8	66 13.4	149 51.6	1.8	2.2	7	0	233	173	176	0.29	8.7	11.8 D
09	14 36	51.1	66 9.2	150 8.4	0.8	2.8	6	1	226	21	174	0.35	10.3	3.0 D
09	14 42	12.7	66 7.6	150 2.4	0.1	2.2	6	0	228	16	170	0.33	8.1	3.6 D
09	14 44	6.7	66 9.2	150 5.9	0.0	3.0	7	1	168	20	173	0.37	2.8	2.6 C
09	14 48	52.4	66 41.9	149 27.8	10.0	3.3	6	0	261	201	215	0.32	29.4	46.1 D
09	14 51	32.5	66 10.8	150 2.0	1.0	2.3	7	0	169	21	174	0.42	2.6	3.5 C
09	14 53	27.6	66 16.6	150 1.6	1.8	2.4	6	0	235	166	185	0.24	9.8	11.8 D
09	14 58	58.0	66 12.4	150 0.8	71.8	1.9	5	0	231	186	178	0.10	13.0	99.0 D
09	15 2	5.5	66 10.1	150 5.5	40.9	2.2	6	1	150	163	177	0.37	2.8	99.0 D
09	15 7	6.8	66 6.7	150 6.4	0.0	2.3	6	2	219	17	170	0.42	6.2	3.0 D
09	15 8	4.4	66 13.9	150 12.1	1.6	2.4	7	0	154	30	183	0.31	3.0	3.6 C
09	15 9	35.0	66 12.8	150 7.2	0.8	2.2	6	2	230	26	179	0.27	3.8	2.8 D
09	15 12	28.9	66 9.8	150 4.1	0.9	2.3	8	0	149	20	174	0.44	2.1	3.4 C
09	15 16	12.4	66 12.0	150 0.6	0.1	2.1	6	3	230	23	176	0.41	3.4	2.1 D
09	15 19	9.8	66 14.8	150 2.4	0.1	3.3	6	0	233	28	181	0.38	9.2	6.1 D
09	15 20	51.8	66 16.6	149 54.8	11.1	3.2	6	0	236	33	186	0.19	9.9	4.2 D
09	15 24	4.6	66 9.9	150 7.0	0.5	2.8	6	0	227	22	175	0.39	8.6	3.5 D
09	15 27	8.9	66 8.5	149 58.8	1.9	2.7	7	1	166	16	169	0.37	2.6	4.0 C
09	15 30	29.2	66 10.8	150 10.5	0.5	2.6	8	0	151	159	180	0.23	2.1	11.3 D
09	15 34	52.9	66 9.1	150 8.2	0.3	1.7	6	2	226	21	174	0.30	4.3	3.2 D
09	15 38	39.2	66 12.5	150 5.8	24.4	2.5	7	1	152	163	181	0.22	1.9	5.9 D
09	15 40	30.5	66 7.6	149 54.7	2.2	2.3	5	1	329	13	166	0.20	11.4	12.2 D
09	15 41	11.8	66 10.6	150 7.9	0.1	2.3	6	0	228	23	176	0.36	6.6	3.6 D
09	15 43	13.0	66 15.3	150 2.4	1.9	2.4	7	1	174	29	182	0.32	2.6	3.5 C
09	15 46	56.9	66 14.9	149 51.9	4.4	4.4	14	0	153	26	177	0.23	1.7	2.6 C
09	15 55	45.3	66 15.1	150 8.3	29.7	2.2	7	1	155	163	184	0.32	7.0	25.7 D
09	16 5	47.5	66 10.7	150 6.0	0.5	2.3	6	3	228	22	176	0.36	3.7	2.0 D
09	16 5	14.6	66 5.5	149 49.4	0.5	1.7	5	1	320	9	163	0.34	6.4	5.1 D
09	16 11	10.9	66 11.1	150 5.0	0.0	3.5*	8	0	151	23	176	0.30	2.1	3.7 C
09	16 17	48.8	66 14.1	150 6.3	1.0	3.8*	7	0	173	28	181	0.30	2.7	3.5 C
09	16 21	23.3	66 17.1	149 48.0	13.2	4.4*	16	0	155	30	180	0.28	1.8	2.0 C
NEIS MB - 4.4, MS - 4.8														
09	16 29	8.7	66 11.6	150 5.5	0.4	2.0	6	0	229	24	177	0.48	8.8	3.8 D
09	16 33	10.5	66 20.1	149 56.9	3.0	1.9	6	0	239	171	188	0.28	10.1	11.6 D
09	16 39	46.3	66 10.7	150 5.2	0.1	2.7	6	0	228	22	176	0.18	8.6	3.8 D
09	16 42	34.7	66 10.0	150 5.7	1.0	1.7	6	1	227	21	175	0.30	7.0	3.9 D
09	16 44	0.8	66 15.9	149 57.2	0.9	3.4*	8	0	155	29	181	0.27	2.1	3.7 C
09	16 49	8.7	66 10.4	150 0.1	13.2	4.3*	10	0	229	20	173	0.14	7.3	1.7 D
09	16 57	59.7	66 9.3	150 3.2	0.2	2.2	6	0	227	19	172	0.48	6.4	3.7 D
09	16 58	13.6	66 14.1	150 1.8	0.3	2.6	8	1	153	26	180	0.38	1.9	2.6 C
09	17 3	3.6	66 3.8	149 51.3	0.4	1.7	5	1	326	6	161	0.37	6.7	3.3 D
09	17 6	36.9	66 10.3	150 6.8	0.7	1.9	6	3	228	22	175	0.32	3.9	2.0 D
09	17 9	52.1	66 10.9	149 49.1	1.4	2.1	6	3	231	19	171	0.42	4.6	3.6 D
09	17 12	48.9	66 8.1	149 53.8	0.2	1.7	6	0	228	14	169	0.36	9.6	5.8 D
09	17 15	57.0	66 13.7	150 1.9	2.2	2.3	7	0	153	26	179	0.36	2.7	3.4 C
09	17 17	42.8	66 25.1	149 53.1	2.6	2.7	6	0	244	175	195	0.16	11.1	99.0 D

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERN	ERZ Q
MAR	HR	MM	SEC	DEG MIN	DEG MIN	KM			DEG	KM	KM	SEC	KM	KM
09	17	23	56.8	66 13.8	150 4.8	0.9	2.1	7	0	153	27	180	0.45	2.7 3.6 C
09	17	27	32.2	66 16.7	150 6.2	1.5	3.0	6	1	234	32	186	0.37	6.2 3.4 D
09	17	35	13.0	66 13.4	150 1.9	0.9	2.2	8	1	153	25	179	0.52	1.9 2.5 D
09	17	37	8.1	66 8.1	150 6.6	2.8	3.7*	7	0	166	19	172	0.18	2.7 2.9 C
09	17	41	0.9	66 10.7	150 7.8	1.6	2.0	6	2	228	23	177	0.59	5.9 2.1 D
09	17	41	54.9	66 3.8	149 54.5	0.2	2.1	5	2	328	7	163	0.38	5.4 2.5 D
09	17	45	13.8	66 10.1	150 8.1	0.9	1.9	6	1	227	23	176	0.34	7.2 3.3 D
09	17	48	55.3	66 13.5	149 58.4	0.3	1.8	6	0	232	25	177	0.34	9.0 5.5 D
09	17	48	29.9	66 10.2	150 8.6	4.2	2.5	8	1	150	23	176	0.62	2.1 2.7 D
09	17	53	26.9	66 10.7	150 3.8	0.4	2.0	7	2	150	21	175	0.37	2.2 2.3 C
09	17	58	19.5	66 12.2	150 5.7	0.3	2.0	6	0	230	25	178	0.42	8.9 4.0 D
09	18	0	50.5	66 6.5	149 51.6	0.0	1.7	5	0	328	11	165	0.27	81.5 25.3 D
09	18	3	16.0	66 14.6	149 49.4	0.5	3.9*	8	0	235	26	176	0.31	8.7 6.8 D
09	18	14	53.1	66 9.3	150 6.4	1.1	1.7	7	1	149	21	174	0.39	2.6 3.1 C
09	18	26	59.0	66 7.9	150 6.9	4.1	2.1	8	2	148	19	172	0.68	2.0 2.3 D
09	18	28	27.4	66 9.7	150 7.4	0.4	2.3	8	2	150	22	175	0.43	1.8 2.3 C
09	18	31	11.3	66 10.2	150 4.7	0.6	2.1	7	2	150	21	175	0.42	2.1 2.1 C
09	18	33	13.9	65 56.8	147 46.8	93.9	2.3	5	1	211	108	126	0.48	18.2 18.7 D
09	18	38	14.8	66 12.1	150 3.6	0.5	2.4	8	0	152	24	177	0.30	2.1 3.6 C
09	18	41	0.8	66 18.5	149 48.7	10.0	4.1*	13	0	156	33	182	0.25	2.3 2.4 C
09	18	44	20.5	66 17.6	148 28.1	120.1	2.6	5	1	193	68	154	0.17	5.7 15.3 D
09	18	46	37.4	66 8.0	150 8.6	2.1	2.0	5	1	222	20	173	0.53	12.0 3.5 D
09	18	51	8.5	66 9.1	150 3.9	0.7	2.2	8	0	149	19	173	0.74	2.1 3.4 D
09	19	0	21.4	66 11.3	150 1.0	4.6	2.5	6	0	230	22	175	0.33	8.7 3.3 D
09	19	5	27.6	66 9.1	150 6.4	0.0	2.5	8	2	149	20	173	0.58	1.9 2.2 D
09	19	9	26.5	66 11.7	150 7.7	0.6	1.8	6	0	229	25	178	0.41	17.0 5.0 D
09	19	10	18.5	66 9.2	150 5.5	1.9	2.6	7	1	149	20	176	0.42	2.4 3.4 C
09	19	32	29.6	66 8.1	150 4.8	0.9	2.0	5	1	148	18	171	0.39	2.9 3.6 C
09	19	37	25.1	66 13.2	150 1.0	0.5	2.2	6	0	232	25	178	0.36	9.0 4.9 D
09	19	38	26.8	66 20.1	149 51.9	33.9	2.2	6	3	240	36	186	0.17	3.5 2.3 D
09	19	44	27.1	66 10.9	150 2.2	0.0	1.9	6	1	229	21	175	0.52	7.8 2.7 D
09	20	2	44.2	66 11.1	150 4.9	1.1	2.0	7	1	151	23	176	0.43	2.5 3.3 C
09	20	5	48.3	66 7.6	150 10.7	0.8	1.8	7	2	148	21	173	0.46	2.3 2.7 C
09	20	15	15.8	66 16.5	150 0.9	0.3	3.7*	9	0	175	30	183	0.19	2.4 2.7 C
09	20	19	46.2	66 5.5	150 11.1	0.1	2.1	6	0	206	19	170	0.27	7.9 5.9 D
09	20	26	2.1	66 10.6	150 3.4	5.8	3.7*	12	0	169	21	175	0.29	2.4 2.3 C
09	20	31	49.7	66 13.5	150 2.4	0.8	2.2	7	1	172	26	179	0.26	2.4 2.5 C
09	20	41	10.1	66 12.3	150 8.0	0.2	1.7	6	0	230	26	179	0.51	8.9 4.6 D
09	20	45	1.4	66 13.5	150 1.0	0.7	2.1	8	0	153	25	178	0.23	2.1 3.6 C
09	20	52	58.4	66 10.2	150 3.4	1.8	1.7	7	1	150	21	174	0.52	2.5 3.1 D
09	21	1	0.8	66 12.7	150 3.4	3.2	2.5	8	2	152	25	178	0.51	1.7 2.0 D
09	21	1	46.0	66 14.1	149 59.7	1.4	2.6	8	0	153	26	179	0.35	2.1 3.5 C
09	21	9	52.1	66 12.4	150 2.2	0.1	2.5	8	2	152	24	177	0.50	1.8 2.3 C
09	21	17	25.3	66 16.4	149 57.3	5.8	2.2	8	1	155	30	182	0.72	2.3 2.8 D
09	21	27	21.5	66 13.4	149 52.9	0.4	1.8	8	1	152	23	176	0.46	3.9 3.5 D
09	21	36	31.2	66 10.7	150 6.8	0.2	1.7	6	0	228	23	176	0.55	8.6 3.6 D
09	21	37	2.9	66 18.7	149 56.5	0.0	4.1*	11	0	157	34	185	0.31	1.9 3.5 C
09	22	1	10.5	66 3.3	149 52.0	0.0	1.7	5	1	328	5	161	0.30	12.7 4.2 D
09	22	3	36.7	66 11.6	150 3.5	0.3	2.0	8	1	151	23	176	0.40	1.9 3.5 C
09	22	4	51.1	66 6.4	150 11.3	1.0	2.7	8	0	147	20	171	0.41	2.1 3.3 C
09	22	6	5.1	66 19.5	149 52.0	0.3	3.2	9	0	239	35	185	0.37	8.2 6.0 D
09	22	20	51.1	66 12.7	150 8.0	40.6	2.1	5	2	230	161	182	0.37	6.1 99.0 D
09	22	26	30.2	66 9.6	149 56.7	0.9	1.9	6	2	250	17	172	0.48	5.4 2.1 D
09	22	34	3.5	66 13.9	150 0.6	0.4	2.3	8	0	153	26	179	0.31	2.1 3.7 C
09	22	34	55.6	65 50.0	149 20.0	36.7	4.7*	6	0	300	126	141	0.15	56.5 68.7 D
09	23	4	33.9	66 8.5	150 6.8	0.1	1.8	6	1	148	20	173	0.46	2.8 3.5 C
09	23	15	23.1	66 14.5	150 4.6	2.1	2.2	7	0	173	28	181	0.37	2.7 3.4 C
09	23	17	24.0	66 13.3	150 5.2	0.2	2.0	8	1	153	26	180	0.40	2.3 3.5 C
09	23	39	17.7	66 17.2	149 56.3	0.8	2.6	8	0	156	31	183	0.35	2.3 4.0 C
09	23	47	55.1	66 9.8	150 7.7	0.5	1.7	6	1	150	22	175	0.38	2.6 3.6 C
09	23	49	6.0	66 8.6	150 6.5	0.3	2.0	8	1	148	20	173	0.46	2.1 2.4 C
09	23	52	43.5	66 8.4	150 9.9	0.0	1.8	5	1	222	21	174	0.34	11.7 4.5 D
09	23	57	32.0	66 17.5	149 56.4	0.2	2.8	8	0	156	31	183	0.28	2.3 4.1 C
10	0	2	36.6	66 14.9	150 1.5	3.1	2.2	8	0	154	28	181	0.68	2.1 3.2 D

APPENDIX C (con.)

	ORIGIN TIME			LAT N		LONG W		DEPTH	MAG	NP	MS	GAP	D1	D3	RMS	ERH	ERZ Q			
1985	HR	MM	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM			
MAR	10	0	28	54.7	66	12.6	149	58.5	5.2	3.4*	10	0	152	23	176	0.32	2.0	2.7 C		
	10	0	32	5.8	66	10.9	150	7.2	0.3	3.2	8	0	151	23	177	0.42	2.1	3.6 C		
	10	0	44	5.5	66	43.7	149	40.1	168.4	2.6	5	0	261	194	221	0.04	65.6	99.0 D		
	10	0	44	0.1	66	19.6	150	12.0	193.3	2.5	6	2	237	169	194	0.20	11.4	7.6 D		
	10	0	57	24.6	66	12.6	150	3.2	2.0	2.5	6	3	152	24	176	0.43	1.8	1.9 C		
	10	1	0	51.8	66	7.6	149	49.3	0.3	2.3	5	2	319	12	166	0.31	5.6	4.6 D		
	10	1	5	6.2	66	12.0	150	5.6	0.1	2.4	6	0	230	24	175	0.53	9.0	4.1 D		
	10	1	6	36.4	66	9.3	150	10.2	0.6	2.3	7	2	149	23	175	0.57	2.7	2.3 D		
	10	1	21	44.3	66	8.9	150	8.4	0.4	3.6*	9	0	149	21	174	0.58	3.7	2.6 D		
	10	1	25	28.1	66	8.8	150	8.8	0.7	3.2	10	0	149	21	174	0.63	2.0	2.7 D		
										PALMER ML = 3.4										
	10	1	37	24.0	66	8.5	150	7.3	1.9	2.1	7	3	148	20	173	0.62	2.2	1.9 D		
	10	1	55	21.8	66	3.2	149	47.5	0.3	1.7	8	1	304	4	156	0.36	6.4	6.9 D		
	10	2	2	43.6	66	14.0	150	3.7	0.0	2.6	9	3	153	27	180	0.44	1.7	2.0 C		
	10	2	39	47.1	66	15.3	150	3.4	0.2	2.4	8	2	156	29	182	0.46	1.7	2.2 C		
	10	2	44	47.9	66	8.2	150	5.0	0.2	1.8	6	4	226	16	172	0.44	3.6	2.2 D		
	10	3	0	30.5	64	50.0	147	48.5	12.5	1.3	7	5	98	7	26	0.22	1.0	1.8 B		
	10	3	13	53.7	66	15.1	150	0.9	0.2	1.7	8	2	154	26	181	0.34	1.9	3.8 C		
	10	3	18	26.9	66	11.4	150	9.9	0.4	2.0	7	3	151	24	177	0.32	2.3	2.0 C		
	10	3	47	36.1	66	8.7	150	7.8	0.4	2.0	7	2	149	21	173	0.44	2.7	2.3 C		
	10	3	58	22.0	66	10.1	150	0.1	8.5	4.4*	16	1	149	19	173	0.28	2.3	1.9 C		
	10	4	4	47.1	66	7.8	150	9.7	0.3	1.5	6	1	225	18	171	0.45	8.7	3.3 D		
	10	4	29	3.5	66	9.4	150	4.2	0.3	2.0	7	3	149	20	173	0.46	2.3	2.0 C		
	10	4	41	1.7	66	14.8	150	1.6	0.7	2.3	9	1	154	28	181	0.46	1.7	2.4 C		
	10	4	53	39.5	66	12.4	150	5.5	0.6	2.0	8	2	152	25	176	0.47	1.8	2.2 C		
	10	4	57	43.7	66	10.4	150	6.7	0.6	1.7	7	1	180	22	176	0.37	2.8	3.6 C		
	10	5	3	38.3	66	7.7	150	12.4	0.6	1.7	7	1	216	22	174	0.65	5.6	4.8 D		
	10	5	32	29.9	66	27.6	149	47.4	22.4	1.9	5	0	253	180	197	0.29	32.1	51.0 D		
	10	5	40	13.2	66	12.3	150	7.0	0.8	3.2*	8	0	152	25	179	0.40	2.1	3.6 C		
	10	5	48	58.2	66	16.9	149	58.8	3.5	3.3*	8	0	156	30	182	0.57	2.1	3.3 D		
	10	5	59	18.5	66	11.5	150	6.7	0.5	2.0	8	3	151	24	177	0.55	2.1	2.1 D		
	10	6	7	55.3	66	12.4	150	5.0	0.1	2.1	8	2	152	25	176	0.40	2.0	3.4 C		
	10	6	10	5.5	66	10.3	150	5.5	0.1	1.6	7	4	150	22	175	0.35	2.0	1.7 C		
	10	6	15	14.3	66	16.5	149	54.6	0.4	4.0*	10	0	157	33	184	0.43	2.4	3.0 C		
	10	6	21	31.3	66	14.6	150	0.4	71.9	2.2	9	2	154	27	180	0.44	2.1	3.3 C		
	10	6	35	45.1	66	11.8	150	0.1	1.9	1.5	7	1	151	22	175	0.27	2.5	3.2 C		
	10	6	43	28.8	66	12.0	150	9.4	0.5	1.8	8	3	171	26	179	0.62	2.2	2.2 D		
	10	6	49	50.7	66	12.1	150	2.7	1.4	1.8	8	1	151	23	177	0.35	2.5	3.3 C		
	10	6	53	38.1	66	10.9	150	4.4	70.8	2.2	8	1	180	163	178	0.32	2.9	23.3 D		
	10	7	5	0.7	66	15.9	150	3.3	0.4	2.0	7	2	155	30	183	0.56	2.2	2.2 D		
	10	7	18	36.1	66	10.1	150	3.0	0.5	1.9	7	1	150	20	174	0.36	2.7	3.4 C		
	10	7	21	37.2	61	40.0	139	10.7	59.5	2.4	4	0	327	206	595	10.48	99.0	69.7 D		
	10	7	24	19.8	66	12.3	150	0.5	0.4	2.1	6	1	231	23	176	0.33	7.4	2.9 D		
	10	7	41	25.5	64	52.4	147	17.8	19.1	1.5	7	4	182	13	41	0.22	1.8	1.2 C		
	10	7	48	51.7	66	8.7	149	50.3	1.1	1.9	7	3	241	15	168	0.46	4.3	2.9 D		
	10	7	50	12.3	66	8.5	150	4.7	0.4	2.4	6	1	148	19	172	0.44	2.0	2.4 C		
	10	8	8	18.8	66	10.1	150	5.9	0.3	2.1	8	3	150	22	175	0.45	2.3	2.0 C		
	10	8	20	18.9	66	14.9	149	58.3	0.2	1.9	8	4	154	27	180	0.40	1.8	1.7 C		
	10	8	35	37.3	60	14.7	151	4.7	64.9	2.7	6	3	134	55	81	0.28	4.2	7.7 C		
	10	8	39	33.3	66	13.1	150	0.1	2.0	2.1	9	3	152	24	177	0.39	1.8	1.9 C		
	10	8	40	28.5	66	13.3	150	3.5	3.9	2.7	8	0	153	26	179	0.50	2.3	3.2 D		
	10	9	9	51.3	66	16.6	149	56.9	3.6	2.3	8	0	158	30	182	0.46	2.3	3.5 C		
	10	9	12	59.8	66	11.0	150	8.6	0.8	3.6*	11	0	151	24	177	0.35	1.8	2.6 C		
	10	9	17	53.9	66	9.9	149	55.5	1.4	2.0	6	1	250	17	172	0.45	5.7	3.4 D		
	10	9	35	59.5	66	7.9	150	11.4	0.6	2.0	7	2	148	21	174	0.51	2.6	2.5 D		
	10	9	50	42.9	66	9.2	150	7.2	0.5	2.4	8	2	149	21	174	0.69	1.7	2.2 D		
	10	9	58	34.4	66	9.8	150	9.0	10.1	1.9	7	2	150	22	175	0.20	2.2	1.6 C		
	10	10	19	9.0	66	24.4	149	48.3	10.8	3.8	14	0	162	44	192	0.38	1.9	2.8 C		
	10	10	28	22.4	66	8.8	150	10.4	0.8	2.2	8	4	149	22	175	0.38	1.7	2.0 C		
	10	10	32	57.3	66	16.0	150	1.8	0.3	1.9	9	2	154	26	181	0.46	2.0	2.2 C		
	10	10	38	19.4	66	8.9	150	4.9	0.8	1.6	6	2	226	19	173	0.53	3.9	2.4 D		
	10	10	42	26.5	66	9.8	150	2.2	0.3	1.8	8	1	149	19	173	0.44	1.6	2.4 C		
	10	10	59	36.4	66	9.1	150	4.6	0.5	2.0	8	3	149	19	173	0.61	1.6	2.0 D		
	10	11	18	22.6	66	11.3	150	7.3	0.8	2.4	8	0	151	24	177	0.53	2.3	3.6 D		
	10	11	35	29.5	66	12.5	150	6.3	0.3	1.9	8	3	152	25	179	0.44	1.6	2.1 C		

APPENDIX C (con.)

1986 MAR	ORIGIN TIME			LAT N		LONG W		DEPTH KM	MAG	NP	NS	CAP DEG	D1 KM	D3 KM	RMS SEC	ERR KM	ER2 Q KM
	HR	MM	SEC	DEG	MIN	DEG	MIN										
10	11	44	7.9	66	10.9	150	4.4	0.3	2.1	9	3	130	22	176	0.45	1.7	2.0 C
10	11	50	20.1	66	14.0	149	58.3	0.0	1.8	8	1	173	25	178	0.29	2.8	3.3 C
10	11	52	58.4	66	8.2	150	7.7	0.7	3.8*	11	0	148	20	173	0.18	2.1	2.8 C
10	12	9	9.9	66	14.8	150	0.6	2.3	2.3	9	0	154	27	180	0.43	2.1	3.3 C
10	12	10	51.8	66	7.1	149	58.3	18.7	4.3*	15	0	165	14	168	0.38	2.3	1.3 C
10	12	44	34.8	66	15.8	150	1.4	0.0	2.1	8	0	155	29	182	0.48	2.1	3.8 C
10	12	53	25.5	66	14.8	150	1.8	0.4	2.1	9	4	154	27	180	0.43	1.7	1.7 C
10	12	59	26.9	66	9.2	150	7.9	1.4	1.7	6	4	228	21	174	0.89	4.4	2.8 D
10	13	7	10.2	66	11.0	150	4.9	2.8	1.6	7	2	151	22	176	0.48	2.3	2.9 C
10	13	13	41.8	66	11.7	149	51.7	0.1	1.9	9	3	150	20	173	0.31	3.1	2.2 C
10	13	17	35.1	66	9.4	150	8.3	0.1	1.7	8	4	149	22	175	0.48	2.2	1.8 C
10	13	30	28.3	66	15.3	149	55.8	8.6	5.6*	18	0	81	27	179	0.38	1.8	2.2 C
10	13	39	48.7	66	16.0	150	4.6	0.8	2.1	8	0	234	31	184	0.29	9.8	6.9 D
10	13	41	39.5	66	8.0	150	7.1	1.8	2.2	7	0	148	19	172	0.52	2.7	3.1 D
10	13	42	48.7	66	14.4	150	13.0	129.7	2.2	5	1	231	157	167	0.19	11.2	13.7 D
10	13	43	20.2	66	9.4	150	9.4	0.9	3.1	7	0	168	22	175	0.51	2.7	3.4 D
10	13	51	46.4	66	13.7	150	2.0	2.2	3.0	9	0	153	28	179	0.42	2.0	3.2 C
10	13	53	45.0	66	14.4	149	57.8	0.2	3.8*	7	0	173	28	179	0.08	2.9	4.2 C
10	14	0	3.0	66	8.6	149	55.0	0.2	2.3	9	4	147	15	170	0.82	1.4	1.8 D
10	14	3	20.4	66	7.8	150	4.7	0.8	1.9	6	2	225	18	171	0.80	6.6	3.1 D
10	14	4	57.9	66	3.7	149	50.6	0.0	1.7	5	1	328	8	181	0.35	8.8	2.8 D
10	14	9	4.2	66	8.8	150	8.4	0.6	2.4	9	3	149	21	174	0.50	1.7	2.3 C
10	14	12	30.4	66	9.1	150	5.4	1.5	1.8	6	3	227	20	173	0.43	3.5	2.3 D
10	14	14	23.0	66	9.3	150	10.6	0.5	2.5	9	2	149	23	175	0.44	1.8	2.2 C
10	14	19	18.0	66	9.2	150	4.9	0.8	1.7	5	2	233	20	173	0.45	4.8	2.7 D
10	14	22	17.3	66	7.0	150	10.9	0.4	2.1	8	3	147	20	172	0.31	2.3	2.4 C
10	14	26	34.8	66	9.0	150	3.6	0.1	2.1	8	3	148	19	172	0.45	1.8	1.8 C
10	14	27	3.3	66	10.8	150	7.9	0.9	3.8*	7	0	169	23	177	0.45	2.7	3.4 C
10	14	33	9.5	66	9.5	150	6.1	0.4	2.0	6	0	227	21	174	0.55	8.4	3.5 D
10	14	33	33.6	66	11.4	150	4.8	0.9	3.8*	8	0	170	23	176	0.22	2.7	3.8 C
10	14	38	41.8	66	8.8	150	8.8	0.7	2.0	6	3	224	21	174	0.30	5.3	2.8 D
10	14	43	18.8	66	4.3	149	52.1	0.8	1.7	5	3	328	7	162	0.39	3.4	2.2 D
10	14	47	44.2	66	8.3	150	6.6	0.3	2.3	9	3	148	19	172	0.45	1.8	2.0 C
10	14	49	52.1	66	12.4	150	10.0	0.6	2.8	9	0	171	27	180	0.41	2.7	6.0 C
10	14	52	34.1	66	9.5	150	4.9	0.4	2.1	8	2	149	20	174	0.89	2.4	2.2 D
10	15	0	58.5	66	11.2	150	6.4	1.0	3.3	9	0	151	23	177	0.59	3.4	3.3 D
10	15	4	30.3	66	8.5	150	5.8	0.6	1.9	6	4	228	19	172	0.50	3.7	2.3 D
10	15	8	39.3	66	9.9	150	8.5	0.5	2.1	9	2	150	22	176	0.51	1.7	2.2 D
10	15	12	10.9	66	13.8	150	4.0	3.8	2.2	7	4	153	184	182	0.41	2.4	3.1 D
10	15	19	16.9	66	14.7	149	59.8	1.2	2.2	6	2	233	27	180	0.64	4.1	2.8 D
10	15	28	18.0	66	13.3	150	5.6	0.4	2.6	9	1	153	28	180	0.41	2.0	2.8 C
10	15	29	27.4	66	13.4	150	7.8	67.4	2.0	5	3	231	27	181	0.17	3.6	4.3 C
10	15	37	25.9	66	8.4	150	7.9	0.7	2.0	7	2	148	20	173	0.51	2.4	2.4 D
10	15	40	25.4	66	9.8	150	8.0	0.3	2.7	7	1	180	22	175	0.56	2.6	2.4 D
10	15	42	54.8	66	19.4	150	3.9	3.0	2.4	8	3	159	36	189	0.50	1.6	1.9 D
10	15	55	27.1	66	15.3	150	9.4	1.6	3.8	9	0	155	31	184	0.41	2.1	3.4 C
10	16	16	38.2	66	13.2	150	5.5	0.1	1.7	8	1	153	28	180	0.44	1.7	2.5 C
10	16	17	23.6	66	14.1	150	4.4	1.5	2.2	8	0	184	27	181	0.32	2.1	3.5 C
10	16	29	27.1	66	8.6	150	5.4	0.4	2.7	8	2	148	19	172	0.47	2.0	2.1 C
10	16	51	5.8	66	8.4	150	4.9	0.3	2.3	8	5	148	19	172	0.45	1.6	1.9 C
10	16	52	49.4	66	15.5	149	59.7	0.3	1.8	7	3	154	28	181	0.43	2.0	2.0 C
10	16	57	35.0	66	15.1	150	0.2	7.2	2.0	6	1	154	28	181	0.77	2.5	2.6 D
10	16	59	43.3	66	8.5	150	0.2	0.3	2.3	7	4	148	17	170	0.39	2.0	2.0 C
10	17	5	42.7	66	9.7	150	2.2	0.1	2.6	8	2	149	19	173	0.36	1.8	2.2 C
10	17	8	17.6	66	13.9	150	3.9	0.9	2.3	7	2	173	27	180	0.36	2.3	2.2 C
10	17	8	58.4	66	12.2	150	8.4	0.9	2.7	7	0	171	26	179	0.56	2.7	3.5 D
10	17	14	19.2	66	8.8	150	5.5	1.2	2.3	10	0	148	19	173	0.48	2.0	3.2 C
10	17	19	14.0	66	11.1	150	8.5	0.5	3.9*	11	0	151	24	177	0.43	1.9	3.2 C
10	17	27	49.1	66	9.0	150	7.0	0.0	1.8	8	4	149	20	174	0.44	1.7	1.7 C
10	17	41	27.5	66	13.8	150	3.0	3.9	1.9	7	1	153	26	179	0.47	2.8	3.1 C
10	17	53	52.2	66	8.7	150	6.2	0.1	1.8	6	3	226	20	173	0.45	3.8	2.0 D
10	17	56	24.2	66	10.1	150	11.1	0.3	2.2	8	1	150	24	177	0.49	2.0	2.4 C
10	18	9	25.4	66	15.8	149	59.2	1.0	1.8	7	1	155	29	181	0.39	2.8	4.0 C
10	18	16	22.5	66	10.2	150	7.5	0.0	2.1	8	3	150	22	175	0.42	1.8	2.0 C

APPENDIX C (con.)

1988	ORIGIN		TIME	LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR Q
MAR	HR	MIN	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM
	10	16	31	66	12.2	150	8.3	0.5	1.6	8	1	230	25	178	0.37	5.4	3.8 D
	10	18	34	66	10.1	150	8.6	0.5	2.3	8	3	150	22	175	0.49	1.8	2.0 C
	10	18	48	66	8.2	150	8.5	0.2	2.0	7	4	148	19	172	0.43	2.2	1.7 C
	10	18	54	64	35.6	148	40.0	8.8	1.5	9	3	139	20	36	0.30	1.1	6.7 C
	10	19	1	66	8.9	150	5.9	0.5	2.1	8	3	149	20	173	0.47	1.8	2.0 C
	10	19	8	66	14.4	150	3.2	2.7	2.5	8	3	154	27	181	0.43	1.6	1.8 C
	10	19	18	66	15.5	149	51.7	8.3	4.2*	15	0	154	27	175	0.22	1.8	2.3 C
	10	19	32	66	11.9	150	8.6	0.7	2.2	9	2	152	25	179	0.45	1.8	2.3 C
	10	19	35	66	13.8	150	4.7	0.6	2.2	8	2	153	27	180	0.53	1.8	2.2 D
	10	19	42	66	7.7	150	8.4	0.6	2.0	7	2	148	20	172	0.44	2.6	2.4 C
	10	20	5	66	4.6	149	54.3	0.0	1.8	5	1	329	8	164	0.34	6.4	2.6 D
	10	21	0	66	7.4	150	3.2	0.3	2.0	7	2	147	16	169	0.43	2.8	2.2 C
	10	21	48	66	8.5	150	3.0	0.2	1.7	8	4	226	18	171	0.47	3.8	2.0 D
	10	21	57	66	8.7	150	4.4	0.3	2.0	8	3	148	19	172	0.47	1.7	2.0 C
	10	22	39	66	8.7	150	6.4	0.1	2.1	8	4	148	20	173	0.42	2.1	2.1 C
	10	22	42	66	9.8	150	6.6	0.1	2.2	7	2	150	21	175	0.47	2.5	2.2 C
	10	22	52	66	9.5	150	6.5	0.3	1.6	7	4	227	21	174	0.46	3.4	2.2 D
	10	23	0	66	8.9	150	7.4	1.6	1.7	8	3	149	21	174	0.36	2.3	1.9 C
	10	23	5	66	16.5	149	53.7	3.5	4.4*	13	0	175	29	181	0.20	2.4	3.0 C
	10	23	17	66	6.9	150	6.2	0.4	2.0	8	3	147	17	170	0.44	1.9	2.1 C
	10	23	23	66	8.3	150	5.9	0.1	1.7	7	5	145	19	172	0.46	2.0	1.7 C
	10	23	34	66	11.3	150	4.0	2.2	3.2	10	0	161	23	176	0.42	2.0	3.1 C
	10	23	37	66	9.5	150	7.2	0.0	2.2	8	5	149	21	174	0.41	1.6	1.9 C
	10	23	39	66	7.5	150	6.8	0.0	1.8	8	3	223	18	171	0.43	6.0	2.8 D
	10	23	54	66	7.3	150	3.6	0.1	1.7	6	3	147	16	170	0.46	2.6	1.8 C
	10	23	58	66	16.9	149	58.5	3.2	3.2	9	0	156	31	183	0.50	2.4	3.3 C
	11	0	5	66	11.1	150	5.3	1.2	1.9	8	2	151	23	178	0.36	2.4	2.0 C
	11	0	38	66	14.9	150	2.3	2.0	3.1	7	0	174	28	181	0.39	2.7	3.5 C
	11	0	46	66	11.3	150	4.8	0.3	1.4	6	1	229	23	176	0.33	5.3	3.8 D
	11	0	47	66	10.8	149	55.0	2.0	1.9	5	4	330	19	173	0.37	5.6	2.7 D
	11	1	25	66	11.1	150	2.6	0.2	1.9	7	4	150	22	175	0.39	1.9	1.9 C
	11	1	43	66	9.5	150	7.8	2.0	2.6	8	1	149	22	175	0.56	2.2	3.1 D
	11	2	46	66	8.6	149	53.9	0.3	1.6	5	4	330	15	169	0.45	3.5	1.9 D
	11	2	54	66	8.5	150	3.2	0.7	1.8	6	2	226	18	171	0.52	5.8	2.2 D
	11	3	13	66	16.1	149	57.7	3.8	3.2	7	0	155	29	181	0.53	2.3	3.4 D
	11	3	19	66	10.0	150	8.4	0.9	2.7	8	0	150	23	176	0.61	2.1	3.4 D
	11	3	22	66	10.2	150	12.9	0.8	2.7	8	0	151	26	178	0.64	2.3	3.5 D
	11	3	24	66	10.2	150	3.3	0.5	2.1	6	6	228	21	174	0.41	2.7	1.4 D
	11	3	28	66	10.8	150	6.6	0.1	2.2	8	3	228	23	176	0.53	5.3	2.2 D
	11	4	0	66	8.5	150	9.4	1.3	1.7	6	2	223	21	174	0.58	5.0	3.8 D
	11	4	33	66	9.9	150	6.9	0.2	2.0	6	1	227	22	175	0.27	7.3	4.0 D
	11	4	49	66	9.1	150	7.9	1.0	2.7	8	0	149	21	174	0.41	2.3	3.5 C
	11	5	42	66	4.8	149	51.0	1.6	1.9	6	2	247	7	162	0.83	4.6	2.7 D
	11	6	4	66	13.9	149	58.5	0.3	2.3	8	2	153	25	178	0.31	1.7	2.3 C
	11	6	8	66	12.5	150	5.6	1.1	3.1*	8	1	171	25	179	0.44	2.5	3.1 C
	11	6	44	66	14.3	150	1.8	1.8	3.3*	8	0	154	27	180	0.39	2.4	3.4 C
	11	6	46	66	12.4	150	2.6	0.3	1.7	6	5	231	24	177	0.34	2.4	1.6 D
	11	7	12	66	8.6	150	6.0	0.5	2.0	7	3	148	19	173	0.49	2.1	2.2 C
	11	7	24	66	10.6	150	8.9	1.0	3.0	8	0	151	24	177	0.44	2.3	3.6 C
	11	7	25	66	14.6	150	6.7	0.2	2.6	8	2	232	29	182	0.53	5.6	2.2 D
	11	7	39	66	9.5	150	9.4	0.4	2.0	7	1	150	22	175	0.44	2.0	2.4 C
	11	7	46	66	13.6	149	57.4	0.1	2.2	7	1	152	25	177	0.39	1.8	2.6 C
	11	7	48	66	11.7	150	5.0	0.0	2.2	8	0	151	24	177	0.41	2.3	3.9 C
	11	7	57	66	9.2	150	7.1	0.9	2.5	6	0	168	21	174	0.49	3.2	3.9 C
	11	8	9	59	67.6	153	24.0	142.3	3.6	5	4	210	48	143	0.20	3.1	3.7 D
	11	8	9	61	23.2	152	1.7	202.1	3.0	8	0	331	375	397	0.10	99.0	99.0 D
	11	8	17	66	10.5	150	5.8	0.0	1.9	5	2	225	22	175	0.47	6.4	2.5 D
	11	8	38	66	15.4	150	4.9	0.9	1.7	6	0	155	30	183	0.56	2.7	3.8 D
	11	8	41	66	10.5	150	9.1	0.8	1.7	5	0	228	24	177	0.50	16.8	4.1 D
	11	8	41	66	10.3	149	56.0	17.8	3.3*	12	0	168	18	171	0.30	2.5	1.6 C
	11	8	57	66	9.2	150	4.6	0.4	2.0	7	2	149	20	173	0.61	1.8	2.2 D
	11	9	7	66	7.2	150	6.8	0.4	1.9	6	4	147	18	171	0.39	2.2	2.1 C
	11	9	11	66	9.8	150	9.8	0.9	2.3	7	0	150	23	176	0.51	2.4	3.8 D
	11	9	21	66	9.1	150	2.7	0.8	1.6	7	0	149	19	172	0.49	2.1	3.6 C
	11	9	24	66	10.3	150	9.1	0.4	2.0	7	2	150	23	176	0.56	1.9	2.2 D

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERH	ERZ Q
MAR	HR	MM	SEC	DEG MIN	DEG MIN	KM			DEG	KM	KM	SEC	KM	KM
11	9	28	7.5	66 9.1	150 5.8	0.3	1.9	6	2	149	20	173	0.53	2.6 2.2 D
11	9	38	10.1	63 53.6	148 50.4	113.8	1.8	10	2	157	19	74	0.30	4.2 3.3 D
11	9	38	56.1	66 9.2	150 3.3	0.2	2.1	7	3	149	19	172	0.48	1.7 2.0 C
11	9	43	40.5	66 15.1	149 53.0	9.1	3.2*	12	0	153	27	178	0.19	1.9 2.3 C
11	9	48	38.9	66 11.0	150 5.6	0.4	1.7	6	2	170	23	176	0.53	2.2 2.2 D
11	9	55	45.6	66 12.1	150 2.8	0.1	1.8	5	3	230	23	177	0.52	3.5 1.8 D
11	10	0	5.0	66 13.2	150 2.2	0.8	1.9	5	4	231	25	178	0.56	3.0 1.7 D
11	10	2	54.8	66 12.2	150 2.0	2.0	3.2*	7	0	151	23	177	0.46	2.2 3.4 C
11	10	7	29.6	66 15.2	149 59.5	1.7	2.2	7	2	154	28	181	0.55	1.7 2.1 D
11	10	13	34.0	66 11.6	150 0.6	1.1	1.9	6	1	151	22	175	0.54	2.5 3.6 C
11	11	4	40.6	66 14.5	149 59.0	0.4	1.8	7	2	153	26	179	0.48	1.6 2.2 C
11	11	6	59.4	66 14.8	149 54.5	7.5	2.0	7	1	153	26	178	0.79	2.1 2.6 D
11	11	46	4.0	66 30.8	149 45.2	40.5	2.0	4	1	250	183	202	0.52	10.4 99.0 D
11	11	56	26.1	66 13.2	149 57.3	1.1	2.0	7	3	152	24	177	0.40	1.5 1.9 C
11	12	15	41.1	66 7.2	149 58.5	0.4	2.0	5	2	250	14	174	0.57	4.8 2.2 D
11	12	55	6.7	66 13.1	150 2.2	0.8	2.8*	7	0	152	25	178	0.18	2.2 3.8 C
11	13	0	36.4	66 14.4	150 0.7	0.9	1.9	7	0	154	27	180	0.54	2.5 3.8 D
11	13	6	48.8	59 51.2	151 50.8	64.3	2.5	5	3	139	50	81	0.04	1.7 4.5 C
11	13	17	15.7	66 7.5	150 0.8	1.4	1.9	6	2	147	15	169	0.49	2.1 2.4 C
11	13	29	59.3	66 5.6	150 8.2	0.3	1.8	6	3	146	17	169	0.49	2.7 2.0 C
11	15	35	58.5	66 16.9	149 57.2	3.6	3.1*	7	0	176	30	182	0.49	2.6 3.3 C
11	15	38	41.4	66 16.8	149 59.1	0.3	2.3	7	2	156	31	183	0.53	1.7 2.2 D
11	15	48	54.0	66 12.0	150 4.9	0.3	3.1*	7	2	152	24	177	0.49	1.8 2.2 C
11	16	0	51.8	66 16.5	149 56.6	0.1	2.3	7	1	155	30	182	0.49	1.8 2.7 C
11	16	56	9.6	66 12.5	150 4.0	0.4	2.2	7	2	152	25	178	0.46	1.8 2.2 C
11	17	12	44.8	66 5.2	150 4.9	0.4	2.1	7	2	145	15	167	0.46	2.6 2.4 C
11	17	28	49.8	66 15.1	150 0.3	0.3	2.2	6	2	174	28	181	0.47	2.2 2.3 C
11	17	54	55.0	66 11.0	150 7.2	0.1	1.6	5	2	228	23	177	0.34	5.4 2.2 D
11	19	19	50.3	66 4.6	150 5.3	0.4	2.0	7	2	144	14	166	0.55	1.9 2.3 D
11	21	43	49.2	66 9.8	150 6.0	0.4	1.9	7	2	150	21	174	0.52	1.8 2.2 D
11	22	4	19.2	66 9.2	150 6.1	0.8	1.8	7	2	149	20	174	0.52	1.8 2.3 D
11	22	11	57.8	66 12.7	150 3.3	0.4	2.0	7	2	152	25	178	0.46	1.8 2.2 C
11	22	17	2.8	66 10.9	150 4.0	0.6	2.2	7	2	150	22	175	0.35	1.9 3.6 C
11	22	20	56.5	66 13.1	150 0.8	0.4	2.3	7	0	152	24	178	0.39	2.2 3.9 C
11	22	31	6.0	66 9.6	150 6.8	1.5	1.9	5	1	227	21	174	0.45	7.3 3.7 D
11	23	2	27.0	66 15.0	150 6.8	3.9	1.2	7	0	155	30	183	0.62	2.2 3.2 D
12	0	17	31.1	66 19.2	149 58.4	0.8	2.1	7	3	158	35	187	0.54	1.5 1.9 D
12	1	14	15.3	66 9.3	150 6.3	0.9	3.6	7	0	149	21	174	0.64	2.2 3.5 D
12	2	5	13.0	66 15.6	149 56.0	1.4	3.7	8	0	154	28	180	0.28	2.2 3.8 C
PALMER HL - 3.5														
12	2	12	4.9	66 8.4	150 5.3	0.3	2.3	6	1	148	19	172	0.53	2.6 2.4 D
12	3	37	59.4	66 12.6	150 17.4	30.0	1.8	4	1	237	183	191	0.58	12.3 19.5 D
12	3	41	28.7	66 10.7	150 9.5	0.3	2.3	6	1	151	24	177	0.58	2.6 2.5 D
12	3	59	48.9	60 21.4	152 23.5	106.2	2.3	4	2	199	22	113	0.18	6.1 3.3 D
12	4	8	1.3	66 11.5	150 1.0	0.1	2.0	6	2	151	22	175	0.35	2.4 2.2 C
12	4	29	3.1	64 0.6	148 52.5	4.9	1.4	7	0	228	50	64	0.06	3.6 3.2 D
12	4	39	24.7	66 9.1	149 53.9	0.0	2.1	5	0	249	16	174	0.43	9.5 4.1 D
12	4	44	2.9	66 11.0	150 2.7	0.4	2.2	7	2	150	22	175	0.46	1.8 2.2 C
12	5	1	32.0	66 15.8	150 7.7	0.1	2.0	6	1	156	31	185	0.39	2.5 3.9 C
12	5	1	50.8	66 14.0	150 2.7	2.4	3.2*	7	0	153	27	180	0.40	2.2 3.5 C
12	5	23	5.1	66 14.9	149 57.8	2.0	1.8	6	3	154	27	180	0.51	2.0 1.9 D
12	5	56	2.8	66 13.5	149 58.8	2.4	2.2	8	1	152	25	178	0.47	1.9 2.4 C
12	6	13	29.4	66 10.0	150 6.2	0.9	2.5	7	0	150	21	175	0.51	2.2 3.6 D
12	6	24	51.1	62 18.3	151 14.1	68.3	2.8	5	0	297	136	305	0.16	24.2 25.5 D
12	6	24	59.5	63 41.2	150 20.9	58.0	1.9	5	0	306	70	141	0.03	58.0 43.6 D
12	7	5	8.1	66 9.6	150 7.6	1.6	2.2	6	3	149	22	175	0.60	2.2 1.9 D
12	7	23	30.2	66 12.8	150 3.7	0.3	2.0	6	3	152	25	178	0.36	2.2 2.0 C
12	7	34	35.4	66 10.7	150 6.0	1.0	1.9	7	0	150	23	176	0.47	2.4 3.9 C
12	8	25	25.5	66 7.0	150 9.5	0.3	1.8	6	2	147	19	172	0.55	2.5 2.3 D
12	8	43	49.1	66 12.7	149 56.4	0.6	1.9	5	1	251	23	180	0.43	7.3 3.9 D
12	8	45	39.6	66 14.0	150 1.0	6.9	3.4*	8	0	153	26	179	0.29	2.0 2.6 C
12	8	50	10.8	66 7.8	150 11.2	0.4	1.8	6	1	148	21	173	0.65	2.4 2.8 D
12	8	54	17.4	66 11.4	150 4.5	0.4	1.9	6	1	170	23	176	0.47	2.6 2.5 C
12	9	11	21.9	66 13.2	150 1.6	0.4	2.1	7	0	152	25	178	0.40	2.2 3.9 C
12	9	30	32.2	66 12.8	149 57.8	2.6	2.1	7	3	152	23	176	0.46	1.4 1.8 C

APPENDIX C (con.)

		ORIGIN TIME		LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERZ Q	
1985	HR	MM	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM	
MAR	12	9	53	7.8	66	12.9	150	4.9	0.1	2.1	7	2	152	25	179	0.34	2.2	2.2 C
	12	10	15	42.8	66	13.4	149	58.8	1.4	2.7	7	0	152	25	177	0.43	2.4	4.0 C
	12	10	37	8.4	66	13.7	150	7.7	0.4	2.0	6	3	153	28	181	0.39	2.2	2.0 C
	12	10	57	39.1	66	9.2	150	5.7	0.8	2.2	7	2	149	20	173	0.50	1.9	2.2 D
	12	11	0	46.5	66	9.4	150	7.4	2.0	2.0	6	1	149	21	174	0.52	2.9	3.6 D
	12	11	6	8.6	66	10.4	150	3.9	0.1	2.3	7	3	150	21	175	0.41	1.7	2.0 C
	12	11	10	25.6	66	11.4	150	7.7	0.8	2.3	6	0	151	24	178	0.56	3.0	3.9 D
	12	11	23	42.6	66	8.1	150	5.4	0.9	3.6*	7	0	148	18	172	0.42	2.1	3.5 C
	12	11	29	54.8	66	17.3	150	0.6	1.0	2.0	7	2	156	32	184	0.42	1.6	2.2 C
	12	11	44	5.8	66	14.5	150	3.6	0.4	1.7	6	1	154	28	181	0.50	2.3	2.4 D
	12	12	33	43.0	66	27.8	149	53.0	82.2	2.1	5	0	247	50	199	0.06	13.7	5.1 D
	12	12	41	7.8	66	12.8	150	1.0	8.8	1.8	5	2	152	24	177	0.24	2.1	1.7 C
	12	12	44	29.8	66	10.2	150	5.8	0.3	2.1	6	1	150	22	175	0.53	2.6	2.5 D
	12	12	45	5.6	66	12.4	150	6.5	0.4	2.2	5	0	230	25	179	0.54	9.2	4.0 D
	12	12	54	59.3	66	16.1	149	57.5	0.5	2.0	7	4	155	29	181	0.49	1.4	1.9 C
	12	13	5	50.0	66	8.1	150	5.1	0.3	2.0	7	3	148	18	171	0.49	1.8	2.0 C
	12	13	32	14.9	66	13.4	150	2.6	1.8	2.8	8	0	153	26	179	0.38	2.1	3.4 C
	12	14	32	6.3	65	4.5	148	45.2	5.2	1.0	5	0	262	40	65	0.11	5.2	29.5 D
	12	14	38	12.1	66	11.8	150	3.9	1.1	1.9	6	0	151	23	177	0.39	2.7	3.6 C
	12	14	46	35.7	66	16.5	149	57.7	3.9	2.3	7	0	155	30	182	0.60	2.2	3.3 D
	12	14	57	29.1	66	16.5	149	56.5	0.9	2.1	7	3	155	30	182	0.46	1.8	1.9 C
	12	15	4	38.8	66	10.9	150	4.2	0.4	1.5	5	0	229	22	175	0.57	8.9	3.9 D
	12	15	9	4.2	60	33.9	151	51.2	80.1	2.3	4	2	256	53	156	0.08	7.2	3.6 D
	12	15	16	0.9	66	9.6	150	5.4	0.3	1.9	7	3	149	20	174	0.51	1.7	2.0 D
	12	15	32	12.5	66	13.5	149	59.8	2.6	2.2	7	0	152	25	178	0.45	2.2	3.4 C
	12	16	46	45.0	66	11.1	150	5.6	0.3	2.7	7	0	151	23	176	0.32	2.2	3.8 C
	12	17	8	21.9	66	12.9	150	5.1	0.3	2.1	7	3	152	26	179	0.51	1.6	2.1 D
	12	17	14	41.9	66	6.8	150	4.8	0.7	1.7	6	0	146	16	169	0.63	2.7	3.5 D
	12	17	20	36.0	66	8.1	150	12.0	2.7	1.9	6	2	148	158	181	0.43	2.6	4.4 D
	12	17	25	3.8	66	12.9	150	3.9	0.5	2.5	7	0	152	25	178	0.36	2.2	3.8 C
	12	17	33	3.7	66	14.8	150	0.8	0.6	2.1	6	2	154	27	180	0.51	2.1	2.2 D
	12	17	41	38.8	61	17.6	149	59.2	9.5	2.4	10	2	301	57	277	0.35	7.5	4.2 D
	12	17	43	6.3	66	8.1	150	5.0	1.9	2.1	7	1	148	18	171	0.51	2.3	3.3 D
	12	17	58	0.2	66	10.1	150	10.0	0.4	2.0	7	2	150	23	176	0.53	1.9	2.2 D
	12	18	4	33.0	66	10.0	150	7.7	0.4	2.0	7	2	150	22	175	0.62	1.9	2.2 D
	12	18	6	2.7	66	14.9	150	2.0	2.5	3.6	7	0	154	28	181	0.46	2.2	3.5 C
	12	18	11	44.5	66	10.0	150	7.5	0.9	2.8	8	0	150	22	175	0.58	2.1	3.4 D
	12	19	0	37.5	66	9.3	150	6.4	0.9	2.3	8	0	149	21	174	0.53	2.0	3.4 D
	12	20	12	33.4	66	9.8	150	6.3	0.9	4.1*	8	0	168	21	175	0.43	2.6	3.4 C
	12	20	22	37.4	66	10.4	150	6.7	0.2	3.9*	8	0	150	22	176	0.27	2.1	3.6 C
	12	20	41	9.5	66	17.8	149	54.8	0.7	2.1	7	0	156	32	183	0.39	2.2	4.0 C
	12	20	56	38.0	60	5.4	152	46.6	95.6	2.8	4	4	122	37	107	0.13	3.2	4.3 C
	12	20	57	39.5	64	35.8	149	17.2	13.8	0.8	4	3	320	10	60	0.32	1.9	1.3 D
	12	20	59	36.7	64	16.4	148	24.4	19.5	0.8	5	4	202	25	47	0.29	1.3	2.1 C
	12	21	0	58.8	66	12.8	150	6.9	0.3	1.6	5	0	230	26	180	0.61	9.2	4.0 D
	12	21	16	17.1	66	16.7	149	56.3	0.4	1.9	7	1	155	30	182	0.46	1.8	2.6 C
	12	21	21	15.9	66	12.7	150	4.9	0.5	1.9	5	1	230	25	179	0.58	6.3	2.5 D
	12	21	33	15.9	64	58.3	147	37.5	9.2	0.8	5	1	203	11	60	0.19	2.9	4.4 C
	12	22	5	57.8	66	12.7	150	3.3	0.8	1.8	6	0	152	25	178	0.46	2.7	3.8 C
	12	22	6	37.8	66	11.4	150	3.4	0.5	4.4*	6	0	170	23	176	0.19	2.6	3.7 C
	12	22	24	58.8	66	10.8	150	4.4	0.4	2.1	7	2	150	22	175	0.50	1.8	2.2 C
	12	22	31	5.2	66	9.6	150	5.0	1.5	2.1	5	1	227	20	174	0.60	6.8	2.6 D
	12	22	35	15.5	66	6.7	150	6.3	0.5	1.7	5	2	219	17	170	0.60	7.5	4.0 D
	12	22	36	25.2	66	9.2	150	5.6	0.9	2.1	8	0	149	20	173	0.56	2.0	3.4 D
	12	22	42	44.8	66	16.9	149	57.1	1.9	1.7	7	0	156	31	183	0.39	2.6	3.6 C
	12	23	13	11.4	66	9.7	150	3.5	2.0	2.5	7	0	149	20	173	0.44	2.1	3.3 C
	12	23	15	31.1	66	18.3	150	0.9	3.0	2.2	7	0	157	34	186	0.50	2.2	3.6 C
	12	23	28	22.0	66	9.9	150	2.3	1.9	2.6	7	0	149	20	173	0.44	2.1	3.3 C
	12	23	38	44.4	66	11.1	150	5.9	0.9	2.2	6	0	170	23	177	0.54	2.7	3.6 D
	12	23	46	37.3	66	10.4	150	1.7	1.0	2.4	7	0	150	20	174	0.50	2.1	3.6 D
	13	0	38	42.7	66	11.8	150	6.3	0.4	1.8	7	4	152	24	178	0.44	1.6	1.9 C
	13	3	3	23.4	66	12.4	150	7.3	0.9	2.0	6	0	152	26	179	0.49	2.7	3.7 C
	13	4	40	12.2	66	15.2	149	58.1	1.2	1.9	6	3	154	28	180	0.47	2.0	1.9 C
	13	4	50	25.4	66	10.1	150	3.4	0.9	2.2	7	0	150	20	174	0.47	2.1	3.6 C

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	RRR	RRZ Q
MAR	HR	MM	SEC	DEG MIN	DEG MIN	KM			DEG	KM	KM	SEC	KM	KM
13	5	23	41.9	66 8.1	150 3.2	2.0	3.3	7	0 148	17	171	0.49	2.1	3.2 C
13	6	1	21.0	66 7.6	150 7.1	0.8	1.6	5	0 147	19	171	0.62	3.1	3.8 D
13	6	10	53.1	64 42.2	149 15.6	12.7	1.0	5	2 256	17	62	0.18	3.8	2.1 D
13	6	32	21.8	66 16.8	149 56.7	4.0	1.8	7	0 156	30	182	0.43	2.4	3.8 C
13	6	43	9.4	66 12.4	150 2.1	0.3	1.7	6	1 152	24	177	0.49	2.5	2.8 C
13	7	6	1.1	66 12.8	150 5.9	0.4	2.0	7	2 152	26	179	0.46	1.8	2.2 C
13	8	11	55.0	61 57.3	148 15.8	51.8	2.0	2	1 124	51	183	0.20	4.3	6.8 C
13	8	23	19.2	66 17.7	150 0.6	0.0	1.9	7	2 157	33	185	0.44	1.6	2.8 C
13	8	56	7.6	66 7.9	150 2.2	0.8	1.7	5	2 226	17	170	0.44	4.8	2.7 D
13	9	19	14.6	66 7.0	149 54.1	0.4	1.9	5	2 249	12	171	0.44	3.7	2.4 D
13	9	22	22.7	66 12.2	150 5.4	0.7	1.9	5	1 230	25	178	0.46	5.4	3.9 D
13	9	32	46.4	63 15.3	149 11.8	85.6	1.7	5	0 276	55	189	0.08	22.3	17.6 D
13	9	42	45.2	66 10.6	150 6.3	1.0	2.0	6	0 150	23	176	0.49	2.7	3.6 C
13	10	0	28.1	66 11.6	150 3.6	1.1	3.9	9	0 151	23	176	0.34	2.0	3.4 C
13	10	3	33.0	66 8.6	150 6.0	0.4	3.9	7	0 167	19	173	0.42	2.7	3.6 C
13	10	39	46.9	66 14.1	150 0.9	7.7	1.7	6	1 153	26	179	0.79	2.8	2.5 D
13	10	59	44.8	66 7.5	150 3.9	0.0	2.0	7	1 147	17	170	0.49	1.9	2.5 C
13	11	3	13.4	66 9.3	150 5.9	0.1	3.8	7	0 149	20	174	0.32	2.4	4.0 C
13	11	17	24.3	66 10.9	150 0.8	0.9	1.5	5	1 261	21	180	0.47	6.0	4.1 D
13	11	30	30.4	66 16.0	149 59.0	3.8	1.7	6	0 155	29	182	0.60	2.7	3.4 D
13	11	56	53.7	66 13.5	150 0.9	3.6	2.1	7	0 163	25	178	0.59	2.2	3.2 D
13	11	57	57.5	66 6.8	150 6.8	0.2	2.2	7	3 146	17	170	0.48	1.9	2.1 C
13	12	11	14.1	66 12.4	150 6.6	2.2	2.1	6	2 162	25	179	0.55	2.4	2.1 D
13	12	42	9.9	66 20.2	149 54.6	0.1	4.0	6	0 156	36	187	0.41	2.3	4.2 C
13	13	10	51.9	66 8.7	150 6.1	0.8	2.5	7	0 148	20	173	0.59	2.1	3.8 D
13	13	48	30.7	66 15.7	150 1.0	0.6	2.2	7	3 155	29	182	0.54	1.6	1.9 D
13	13	53	12.9	66 12.4	150 2.2	0.8	2.1	7	2 152	24	177	0.46	1.6	2.1 C
13	14	22	45.3	66 9.1	150 6.5	2.1	2.6	7	0 149	20	174	0.48	2.4	3.4 C
13	15	23	28.4	66 10.6	149 56.2	0.4	2.0	6	0 149	19	177	0.50	5.4	3.9 D
13	15	24	2.9	66 10.5	149 55.2	0.0	2.1	5	0 260	19	177	0.54	9.8	4.1 D
13	15	50	40.9	66 10.9	149 59.4	1.7	2.0	6	1 150	20	174	0.45	2.4	2.3 C
13	16	36	11.4	66 7.8	150 4.9	0.1	1.8	6	3 148	18	171	0.42	2.1	1.6 C
13	17	2	57.7	66 12.1	150 4.7	0.8	1.5	5	1 230	24	177	0.53	5.3	3.9 D
13	18	27	53.4	64 50.6	147 11.3	14.0	1.3	5	3 198	18	50	0.12	1.4	6.3 D
13	18	31	53.1	62 37.9	149 52.4	63.9	2.1	7	0 256	132	223	0.08	12.6	13.4 D
13	18	50	1.1	66 9.8	150 7.6	0.2	1.8	7	1 149	22	175	0.52	1.7	2.5 D
13	18	51	34.8	66 7.1	150 3.0	0.1	2.1	6	2 147	16	169	0.50	2.3	2.4 D
13	19	11	6.7	66 10.5	150 5.2	0.3	2.3	7	3 150	22	175	0.44	1.7	2.1 C
13	19	35	29.0	66 10.7	150 6.8	0.3	2.0	7	3 150	23	176	0.48	1.7	2.0 C
13	19	38	50.9	66 7.1	150 0.3	0.4	1.8	5	0 225	15	168	0.57	8.3	3.6 D
13	19	53	17.7	66 10.6	150 4.4	0.9	2.0	6	0 169	22	175	0.51	2.7	3.6 D
13	20	49	20.0	66 21.7	149 58.3	10.4	1.9	4	0 240	170	194	0.04	10.7	99.0 D
13	21	53	43.7	66 15.8	149 59.6	3.6	2.5	7	0 155	29	182	0.62	2.2	3.3 D
13	22	3	41.2	66 12.8	150 5.0	1.2	2.0	6	3 152	25	179	0.46	1.8	2.1 C
13	22	43	14.7	66 11.9	150 6.7	2.8	3.5	7	0 152	25	178	0.35	2.5	3.6 C
PALMER ML - 3.5														
13	22	52	39.7	61 50.9	150 20.0	70.8	2.0	5	1 170	65	158	0.30	4.4	5.9 D
13	23	49	20.0	66 10.5	150 5.9	0.8	1.9	5	1 228	22	176	0.42	6.6	6.3 D
14	0	9	41.1	66 8.4	150 7.4	1.3	1.9	6	3 148	20	173	0.53	2.3	2.0 D
14	0	37	25.5	66 16.1	150 4.2	0.9	2.1	6	0 156	31	184	0.54	2.7	3.9 D
14	0	43	29.5	66 9.2	150 4.0	0.5	2.1	7	3 149	19	173	0.50	1.7	2.0 D
14	1	10	40.2	66 16.4	150 2.0	0.5	1.9	7	2 156	30	183	0.51	1.7	2.2 D
14	1	35	37.4	66 11.0	150 4.4	0.4	2.2	6	2 151	22	176	0.45	2.4	2.2 C
14	1	51	8.9	66 15.9	150 4.3	0.3	1.8	6	1 155	30	183	0.51	2.4	4.0 D
14	2	30	10.1	66 16.4	149 58.7	3.6	2.3	6	0 155	30	182	0.64	2.7	3.4 D
14	2	39	18.7	66 19.4	150 2.1	1.4	2.6	8	0 159	167	192	0.49	2.1	11.2 D
14	2	50	12.8	66 6.9	150 7.2	1.9	1.9	7	1 149	20	174	0.63	2.1	5.2 D
14	3	23	28.6	66 14.0	150 3.2	0.3	2.2	7	3 183	27	180	0.47	1.9	2.0 C
14	5	38	39.0	66 13.6	150 4.3	0.9	1.8	6	0 153	26	180	0.56	2.7	3.8 D
14	6	23	39.8	66 12.2	150 7.7	0.8	2.1	5	0 230	25	179	0.58	9.2	3.8 D
14	7	46	41.6	66 7.9	150 7.5	3.3	1.8	6	0 148	19	172	0.74	2.7	2.9 D
14	7	57	27.1	64 36.1	148 33.5	15.8	0.8	5	5 142	25	32	0.31	0.8	2.4 C
14	9	35	11.0	66 6.1	150 5.4	0.7	1.8	6	0 148	18	171	0.62	2.7	3.8 D
14	9	41	30.5	66 9.1	150 5.1	0.1	2.2	7	3 149	20	173	0.49	1.6	2.1 C
14	11	13	57.6	66 9.2	150 4.4	0.8	1.8	5	0 227	20	173	0.63	12.7	4.0 D
14	11	15	18.2	66 15.4	149 59.8	5.1	3.4	7	0 154	28	181	0.42	2.8	3.1 C
PALMER ML - 3.4														

APPENDIX C (con.)

	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERZ	Q	
1985	HR	MM	SEC	DEG MIN	DEG MIN	KM			DEG	KM	KM	SEC	KM	KM		
MAR	14	11	35	10.0	66 12.5	150 7.1	0.9	1.9	7	0	152	26	179	0.60	2.2	3.7 D
	14	11	36	38.1	66 10.7	150 5.3	0.4	2.1	7	3	150	22	176	0.54	1.8	1.8 D
	14	12	34	0.4	63 6.1	150 51.1	128.1	2.6	14	0	100	119	188	0.27	2.9	8.3 C
	14	12	39	22.4	66 11.2	150 2.6	2.0	1.9	6	0	151	22	175	0.39	3.0	3.7 C
	14	12	51	56.1	66 10.4	150 10.5	2.0	3.5	8	0	151	24	177	0.50	2.1	3.2 D
	14	12	56	26.5	66 14.9	150 1.9	0.4	2.0	6	2	154	28	181	0.43	2.1	2.2 C
	14	13	52	20.2	66 8.5	150 2.0	8.1	3.7	11	0	148	17	171	0.21	2.3	2.0 C
	14	14	24	50.4	60 27.9	151 31.4	59.7	2.1	5	3	249	69	106	0.26	5.1	6.1 D
	14	14	51	21.1	66 12.1	150 3.9	0.6	2.2	6	2	152	24	177	0.44	2.3	2.2 C
	14	15	39	9.9	66 9.3	150 5.6	0.2	1.9	7	2	149	20	173	0.47	1.9	2.2 C
	14	16	55	45.8	59 51.4	153 27.4	125.9	2.3	6	2	131	26	73	0.21	3.0	5.6 C
	14	17	41	7.7	66 9.8	150 10.7	0.2	1.9	6	2	150	23	176	0.57	2.5	2.2 D
	14	18	36	48.1	63 21.5	149 36.0	93.9	2.3	7	0	271	53	138	0.17	10.9	7.8 D
	14	19	5	6.7	66 9.9	150 5.1	0.8	2.6	7	0	150	21	174	0.56	2.2	3.6 D
	14	19	8	46.4	66 21.3	149 57.5	74.7	1.8	5	0	240	39	190	0.12	11.8	5.7 D
	14	19	53	11.7	57 52.9	155 55.9	143.6	3.6	5	2	289	129	178	0.08	15.1	15.4 D
	14	20	41	25.6	60 10.8	152 48.3	102.9	2.7	5	4	123	27	114	0.15	3.4	4.6 C
	14	22	22	46.3	60 59.2	146 50.9	11.7	2.8*	8	0	282	98	233	0.38	30.7	12.5 D
	14	23	15	52.9	66 16.7	150 0.7	2.1	2.1	7	1	156	31	183	0.47	1.9	3.6 C
	15	2	32	17.3	66 17.0	149 58.4	0.1	1.5	6	0	175	16	34	0.43	2.3	2.8 C
	15	2	35	38.6	66 11.9	150 10.1	0.8	2.1	9	1	103	11	39	0.51	1.8	2.1 D
	15	3	4	28.9	66 12.8	150 4.7	0.9	2.2	9	0	101	13	38	0.66	1.7	2.4 D
	15	3	18	46.8	66 12.7	149 49.3	0.8	1.8	7	0	106	22	44	0.36	2.9	5.0 C
	15	3	31	22.3	66 15.1	149 59.0	1.8	3.5	10	0	98	16	36	0.45	1.6	2.3 C
	15	4	25	23.3	66 15.3	150 2.1	0.4	1.8	8	0	98	13	35	0.55	1.8	2.6 D
	15	4	50	53.2	63 54.3	148 56.4	8.3	1.1	7	0	176	19	75	0.33	2.1	2.8 C
	15	5	3	18.6	61 48.5	149 8.4	74.3	2.3	8	2	182	24	215	0.30	3.0	3.2 D
	15	5	42	20.9	66 11.0	150 8.5	1.8	3.2*	9	0	103	12	40	0.75	1.7	2.2 D
	15	5	57	5.8	66 14.4	150 2.3	1.3	1.7	7	0	165	14	36	0.49	2.4	2.5 C
	15	6	8	33.2	64 44.8	146 47.7	11.1	1.1	5	1	237	39	65	0.06	1.8	2.3 C
	15	7	8	57.4	66 17.2	150 3.0	1.0	1.7	8	0	93	13	32	0.61	1.7	2.4 D
	15	8	10	40.5	66 17.3	149 57.5	0.6	1.9	7	0	177	17	34	0.41	2.3	2.7 C
	15	9	8	36.1	66 18.3	150 3.7	0.3	2.0	8	0	113	13	34	0.50	1.6	2.6 D
	15	9	15	41.8	66 17.8	150 4.7	2.9	2.3	8	1	110	12	34	0.50	1.6	2.0 D
	15	9	29	16.8	66 18.6	150 4.1	0.4	1.6	8	0	93	13	35	0.46	1.6	2.5 C
	15	10	32	41.7	66 20.1	149 57.8	0.8	1.6	7	1	184	18	36	0.49	2.2	2.6 D
	15	10	49	0.9	66 19.9	149 59.2	1.5	1.9	9	2	102	17	36	0.45	1.5	2.3 C
	15	11	12	60.0	66 14.9	149 58.9	0.5	1.6	7	0	110	16	37	0.42	2.4	3.5 C
	15	11	52	38.5	66 18.3	150 0.1	0.8	2.0	9	2	97	16	33	0.46	1.4	2.1 C
	15	12	19	48.0	66 13.6	149 47.0	1.5	1.7	6	3	180	24	44	0.41	1.9	3.1 D
	15	12	41	23.5	66 15.3	149 59.7	1.8	1.7	8	1	110	15	36	0.43	1.6	2.4 C
	15	13	2	7.8	66 12.9	149 49.2	1.4	2.3	8	0	105	22	44	0.37	2.5	4.0 C
	15	13	33	7.0	66 12.0	149 49.8	7.7	3.3	8	0	112	21	45	0.26	1.9	1.9 C
	15	16	17	10.9	66 12.4	149 46.2	0.4	2.0	9	0	96	22	46	0.46	1.7	3.0 C
	15	16	27	2.5	66 12.9	150 6.1	0.8	2.0	9	0	101	12	38	0.42	1.6	2.3 C
	15	16	39	8.7	66 17.6	149 57.8	0.3	2.6	9	0	97	17	33	0.40	1.5	2.6 C
	15	17	22	24.6	59 33.8	152 38.0	78.0	2.2	6	5	98	35	91	0.19	1.7	3.9 B
	15	17	59	42.3	66 17.1	149 59.4	0.2	1.4	6	1	174	16	33	0.53	2.6	3.6 D
	15	18	1	53.6	66 18.0	149 54.3	3.6	3.3	11	0	101	20	34	0.34	1.5	2.2 C
	15	19	59	22.7	66 11.1	150 3.3	0.9	1.7	6	2	159	15	42	0.46	2.0	2.4 C
	15	20	43	52.1	66 16.8	149 59.7	3.9	1.6	6	1	173	15	34	0.65	2.5	2.4 D
	15	21	12	58.7	66 14.4	149 57.9	3.4	1.6	7	0	113	17	38	0.57	2.6	3.1 D
	15	21	25	36.4	66 18.7	150 1.0	0.2	1.8	8	0	97	15	34	0.54	1.7	2.6 D
	15	21	36	39.8	58 48.6	152 45.3	65.3	2.6	9	2	149	53	98	0.26	2.3	3.8 C
	15	22	16	16.5	60 23.6	150 56.5	8.1	1.8	4	3	265	70	101	0.09	43.2	37.7 D
	15	23	31	8.8	66 14.9	150 0.7	3.4	3.3*	9	0	98	15	36	0.42	1.8	2.2 C
	16	1	33	29.8	59 48.8	152 40.8	89.2	2.6	7	6	97	36	68	0.16	2.1	2.6 B
	16	4	19	25.3	62 57.3	151 19.6	113.5	2.8	16	0	119	148	201	0.27	2.3	9.7 C
	16	4	28	44.9	66 17.4	149 59.2	1.7	1.6	6	1	175	16	33	0.54	2.7	3.5 D
	16	4	59	14.4	66 16.9	149 59.8	0.2	1.8	6	1	174	15	33	0.47	2.6	3.6 C
	16	5	21	6.5	66 17.1	149 54.4	0.4	1.9	7	2	180	19	35	0.38	2.2	2.3 D
	16	6	2	51.4	66 12.3	150 11.6	0.1	1.8	5	1	181	27	181	0.41	12.0	3.7 D
	16	6	41	32.9	59 48.8	152 52.2	85.7	1.4	4	1	160	68	98	0.00	3.8	8.6 D

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERH	ERZ Q
MAR	HR MN	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM
16	8 3	31.1	66 14.5	150 1.9	1.0	1.6	7	1	166	14	36	0.51	2.0	2.5 D
16	9 16	58.5	66 12.0	150 9.3	0.6	1.9	9	1	102	11	38	0.59	1.8	2.1 D
16	9 30	35.0	66 18.6	149 59.6	0.5	1.8	8	1	98	16	34	0.49	1.5	2.7 C
16	9 43	19.1	57 45.1	154 16.2	47.8	2.5	6	2	229	30	97	0.24	4.7	3.3 D
16	9 48	57.3	66 10.2	150 9.2	2.4	2.6	8	0	159	13	42	0.77	3.2	2.8 D
16	9 54	17.5	66 15.5	149 57.4	0.4	3.5	9	0	113	17	37	0.32	1.7	2.6 C
16	10 5	7.6	66 14.5	149 58.4	0.1	1.7	8	2	98	16	38	0.45	2.0	2.4 C
16	10 8	56.9	66 11.1	150 5.6	0.3	2.5	9	1	102	14	41	0.57	1.9	2.2 D
16	10 15	58.9	60 15.4	151 11.6	56.0	1.8	3	3	240	57	89	0.05	6.5	6.4 D
16	10 25	10.3	66 14.8	150 0.8	0.2	1.8	7	2	168	15	36	0.58	2.2	1.9 D
16	10 43	29.9	66 11.3	150 7.4	0.9	1.7	9	1	103	13	40	0.60	1.6	2.3 D
16	11 13	2.8	63 20.4	145 6.1	5.8	1.5	6	1	136	41	150	0.38	2.2	3.6 C
16	11 57	32.0	59 13.7	152 45.6	86.8	2.3	6	4	122	54	93	0.20	2.3	4.1 B
16	12 56	7.7	66 12.6	150 5.6	0.4	2.0	9	0	101	12	38	0.57	1.7	2.5 D
16	13 33	10.6	66 15.7	149 48.1	15.1	5.0*	18	0	101	24	41	0.22	1.6	1.5 B
NEIS MB - 4.3 FELT AT ALYESKA PIPELINE PUMP STATION SIX.														
16	13 48	20.7	66 14.8	149 57.5	0.1	1.9	8	3	111	17	38	0.42	1.6	2.1 C
16	14 13	48.2	66 19.5	149 55.9	0.6	1.8	9	2	104	19	35	0.44	1.5	2.4 C
16	14 24	23.6	66 15.7	149 57.6	1.6	2.5	9	2	97	17	36	0.47	1.5	2.2 C
16	15 55	33.7	62 23.6	149 29.5	80.7	2.0	8	1	197	92	152	0.26	5.3	10.2 D
16	16 53	57.3	66 13.0	150 10.2	0.7	2.1	9	2	102	9	37	0.58	1.5	2.1 C
16	17 3	45.8	59 50.7	150 40.9	30.3	3.0	10	4	179	15	58	0.33	3.7	3.4 C
16	17 5	52.5	66 11.9	150 2.8	0.7	1.9	8	2	101	15	40	0.68	1.7	1.7 D
16	17 11	21.1	66 9.0	149 59.9	1.0	1.4	7	1	160	17	46	0.48	2.6	2.7 C
16	17 49	20.8	66 12.1	150 8.3	3.1	1.7	8	1	102	11	39	0.75	1.8	2.1 D
16	18 41	15.5	66 13.9	150 1.6	0.5	1.8	7	3	165	14	37	0.49	1.9	2.1 C
16	18 55	13.3	66 14.4	150 0.8	0.3	1.6	7	1	167	15	37	0.45	2.1	2.7 C
16	19 25	2.8	62 42.2	150 51.7	95.8	2.5	12	1	181	150	181	0.36	2.3	11.6 D
16	20 28	34.3	66 14.8	150 1.4	1.6	1.9	9	1	99	14	36	0.51	1.5	2.3 D
16	21 54	33.9	66 9.8	150 9.9	1.4	1.9	9	0	104	14	42	0.64	1.8	2.3 D
16	22 51	1.1	66 20.1	149 58.2	0.9	1.7	8	1	124	18	36	0.41	1.7	2.6 C
16	23 3	53.6	66 19.0	149 56.5	0.7	1.9	7	1	182	19	34	0.49	2.2	2.7 D
16	23 37	38.6	63 49.9	149 15.4	124.5	1.7	6	0	307	75	91	0.08	34.7	40.3 D
17	1 14	25.7	66 9.2	150 6.2	0.6	3.0*	10	0	104	16	44	0.37	2.0	2.5 C
17	1 23	33.3	66 14.3	150 1.1	1.4	1.5	6	1	167	14	37	0.63	2.9	3.4 D
17	1 31	14.0	66 14.0	149 57.7	0.5	2.7	9	2	98	17	39	0.38	1.6	2.0 C
17	2 19	42.2	66 16.9	149 52.4	14.4	3.4*	14	0	120	21	37	0.26	1.9	1.5 B
17	2 41	43.2	63 39.5	148 51.3	7.2	1.3	8	1	222	9	98	0.31	2.4	1.9 D
17	2 56	25.1	66 12.9	150 5.6	1.9	2.0	8	2	101	12	38	0.73	1.7	2.0 D
17	4 44	48.0	66 12.9	150 7.3	3.3	1.7	9	2	101	11	37	0.74	1.7	1.8 D
17	5 3	33.0	66 17.0	149 58.6	0.1	1.5	6	1	175	16	34	0.41	2.6	3.7 C
17	5 13	30.9	66 18.4	149 57.6	0.6	2.1	9	3	99	17	33	0.46	1.4	1.9 C
17	5 17	7.7	66 15.1	149 57.9	0.5	1.5	6	1	172	17	37	0.42	2.4	3.2 C
17	6 34	40.8	66 17.6	149 54.0	1.2	2.1	9	2	101	20	35	0.49	1.6	2.4 C
17	7 10	6.4	66 20.9	150 1.2	12.0	2.1	7	2	182	17	38	0.44	2.4	1.4 D
17	8 39	50.4	66 14.1	150 2.1	0.2	2.0	7	2	108	14	37	0.52	1.7	2.3 D
17	9 43	55.1	61 17.7	147 23.0	21.1	2.8	11	4	202	60	212	0.39	1.8	1.9 D
17	10 4	7.2	60 18.6	152 22.8	81.4	1.8	4	3	186	25	108	0.09	3.6	4.7 D
17	10 40	38.4	58 57.4	153 2.3	65.9	2.9	10	5	127	35	78	0.20	1.3	3.0 B
17	11 5	18.0	66 12.4	150 5.8	2.5	3.5*	12	0	101	12	39	0.46	1.9	2.1 C
17	11 13	55.3	63 3.5	149 40.3	95.3	1.7	7	1	168	84	202	0.04	2.0	6.5 D
17	11 24	49.0	66 13.9	150 17.8	0.9	1.4	6	1	174	4	34	0.44	5.0	3.1 D
17	11 48	46.5	66 14.9	149 59.4	1.0	2.3	9	1	98	16	37	0.39	1.6	2.5 C
17	12 22	57.7	66 9.1	149 59.7	1.1	1.4	7	2	160	17	46	0.43	2.2	2.1 C
17	12 28	20.5	66 8.9	150 0.3	0.8	1.2	6	1	159	17	46	0.47	3.9	3.0 C
17	12 55	35.5	66 18.0	149 49.6	0.7	1.7	7	3	187	23	37	0.34	1.6	3.2 D
17	13 31	21.6	66 15.0	149 54.7	1.9	1.3	5	2	188	19	38	0.33	3.5	9.0 D
17	15 4	59.5	66 12.6	150 2.6	0.0	1.7	6	1	162	14	39	0.46	3.1	3.8 C
17	15 15	4.3	60 3.8	152 55.9	121.2	3.2	9	4	126	41	77	0.33	2.9	3.4 C

APPENDIX C (con.)

	ORIGIN TIME			LAT W		LONG W		DEPTH	MAG	MP	NS	GAP	D1	D3	RMS	ERR	ERR Q
1985	HR	MM	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM
MAR	17	13	27	37.3	66 16.3	149 55.2		1.1	1.7	7	3	178	19	36	0.38	2.0	2.1 C
	17	16	25	42.0	59 53.4	152 15.8		87.4	2.0	6	3	123	64	81	0.23	3.0	5.6 C
	17	17	12	56.3	60 9.1	151 7.1		40.8	3.0	6	5	130	45	70	0.27	2.0	5.6 C
	17	17	38	0.7	66 15.4	149 58.3		1.6	1.9	8	1	100	16	36	0.47	1.6	2.5 C
	17	17	39	53.3	66 13.7	150 4.4		0.8	3.2	9	0	100	12	37	0.45	1.6	2.4 C
	17	19	25	34.2	66 18.7	149 59.0		1.1	1.8	9	1	99	17	34	0.48	1.5	2.6 C
	17	19	27	16.7	66 14.9	150 2.0		1.7	2.0	7	2	167	14	35	0.54	1.9	2.1 D
	17	19	29	50.8	66 19.7	149 54.3		0.7	1.8	7	1	187	21	35	0.36	2.3	2.7 D
	17	19	32	7.3	66 17.9	149 57.1		0.5	1.1	6	2	179	16	33	0.45	2.1	2.5 C
	17	19	34	47.3	66 16.0	149 50.6		0.8	1.2	6	3	182	22	39	0.43	1.6	2.6 D
	17	19	50	33.2	59 53.4	152 36.1		97.5	3.3	10	7	147	44	67	0.30	1.6	2.1 C
	17	19	58	9.9	66 13.9	150 4.8		0.2	1.8	7	1	162	12	36	0.48	2.4	2.3 C
	17	20	9	55.1	66 19.0	149 57.6		0.7	1.8	7	1	181	18	34	0.47	2.1	2.7 D
	17	20	21	38.9	66 16.7	150 2.5		0.4	1.7	8	3	97	13	33	0.46	1.3	2.0 C
	17	20	28	29.8	65 59.5	151 1.9		0.7	1.8	7	3	128	44	66	0.39	1.5	4.6 C
	17	21	0	38.1	66 13.0	150 1.5		7.4	3.1	9	0	100	15	39	0.46	1.9	1.7 C
	17	21	16	16.6	66 15.2	149 56.9		0.9	3.4	7	1	171	16	38	0.43	2.1	2.5 C
	17	21	18	27.5	63 6.3	150 55.1		113.3	2.9	18	0	120	121	190	0.37	2.3	8.0 C
	17	22	2	35.4	66 14.1	150 3.0		0.6	2.2	8	1	99	13	37	0.53	1.7	2.4 D
	17	22	34	36.8	66 11.7	150 9.4		2.2	2.1	9	1	103	11	39	0.66	1.8	1.9 D
	18	0	56	46.8	66 18.9	149 56.5		1.0	2.1	8	1	102	16	34	0.36	1.6	2.4 C
	18	1	11	49.7	66 11.9	150 5.3		0.3	2.4	9	2	102	13	40	0.48	1.5	2.0 C
	18	2	28	58.2	66 18.4	149 55.6		1.1	2.1	9	1	101	19	33	0.50	1.7	2.4 D
	18	3	44	6.7	66 15.7	150 2.6		0.4	1.7	8	0	98	13	34	0.50	2.1	2.6 C
	18	3	52	48.1	66 12.8	150 2.1		0.2	3.3*	9	0	100	15	39	0.35	1.6	2.5 C
	18	4	24	24.6	66 15.8	149 55.3		0.4	2.1	7	2	176	16	37	0.43	2.2	2.4 C
	18	7	14	45.6	66 15.3	150 0.3		0.8	1.6	7	1	169	15	36	0.44	2.0	2.6 C
	18	7	52	34.7	66 18.2	149 58.8		0.4	2.1	8	1	98	16	33	0.47	1.7	2.7 C
	18	8	7	19.5	66 13.5	150 3.2		0.9	1.9	7	1	111	13	36	0.54	2.0	2.6 D
	18	8	24	27.3	66 19.1	149 54.4		0.8	1.8	6	1	185	20	34	0.41	2.3	2.9 D
	18	9	20	26.0	66 16.5	150 0.9		0.6	1.9	7	1	171	14	34	0.47	2.0	2.6 C
	18	9	40	30.6	64 0.3	147 33.8		15.4	1.6	7	3	213	27	58	0.28	1.6	1.2 C
	18	10	2	22.7	66 14.9	149 55.4		1.7	1.7	7	0	107	19	38	0.58	3.2	4.0 D
	18	12	55	24.3	60 6.3	153 1.0		135.1	3.1	10	2	139	38	75	0.29	4.1	7.5 C
	18	13	0	17.7	66 14.7	150 1.5		1.5	2.2	9	1	99	14	36	0.48	1.7	2.1 C
	18	14	13	17.1	66 13.6	150 2.7		0.6	2.1	8	1	100	14	38	0.49	2.3	2.2 C
	18	14	15	55.9	66 13.1	150 6.0		0.6	2.7	9	1	101	12	37	0.46	1.8	2.2 C
	18	15	5	21.6	66 13.8	150 2.6		1.1	2.1	9	1	100	14	37	0.53	1.6	2.1 D
	18	15	25	3.8	60 26.8	152 26.2		97.3	1.3	4	2	230	19	122	0.22	6.4	10.3 D
	18	17	35	1.4	66 13.2	149 57.0		0.0	2.0	8	1	99	18	40	0.43	2.3	2.4 C
	18	18	25	52.9	59 25.6	154 22.9		2.8	2.4	7	2	220	42	54	0.32	1.5	3.6 D
	18	18	30	10.1	66 14.1	149 58.0		0.1	1.7	8	1	98	17	39	0.48	2.3	2.7 C
	18	18	47	57.1	66 17.9	149 56.6		5.7	1.5	5	2	192	18	33	0.57	2.0	3.9 D
	18	20	31	56.9	66 6.0	152 46.0		42.9	2.4	5	2	205	24	106	0.21	4.5	2.1 D
	18	22	22	54.4	66 18.2	149 58.2		0.3	2.0	7	1	179	17	33	0.42	2.1	2.7 C
	18	22	29	8.9	66 15.3	149 54.6		0.3	1.8	6	0	176	19	38	0.41	2.7	3.0 C
	18	22	31	5.2	66 11.7	150 23.1		0.8	1.7	8	0	105	8	37	0.64	2.0	3.1 C
	18	23	25	24.5	61 9.8	151 8.9		68.7	2.7	8	3	141	49	121	0.20	1.6	3.7 C
	18	23	37	46.3	66 18.2	149 55.5		2.2	2.0	7	2	182	19	33	0.39	2.2	2.3 D
	19	0	15	39.4	66 19.6	149 53.6		0.7	2.1	8	2	127	21	35	0.35	1.7	2.5 C
	19	0	19	2.7	66 14.8	150 0.7		0.0	1.4	6	1	168	15	36	0.43	2.1	2.8 C
	19	0	47	11.4	66 13.7	150 1.2		1.6	2.2	9	1	99	15	38	0.47	1.5	2.2 C
	19	1	21	31.2	66 17.9	149 51.8		0.1	1.6	7	1	185	21	36	0.53	2.5	2.6 D
	19	1	58	54.5	64 43.1	149 16.8		19.3	1.0	5	2	259	19	63	0.15	2.7	2.2 D
	19	2	1	34.3	66 11.3	150 6.7		0.8	3.0	9	2	102	13	40	0.48	1.4	1.9 C
	19	2	45	6.2	66 16.4	149 58.2		0.0	1.6	7	2	174	16	35	0.50	2.1	2.5 D
	19	4	1	9.7	60 15.7	152 15.8		75.7	2.2	5	4	183	33	100	0.29	3.0	3.4 C
	19	6	16	8.3	66 7.9	150 1.1		0.3	1.0	8	1	188	16	48	0.48	4.8	3.9 C
	19	7	35	14.8	66 11.8	150 1.5		0.3	2.1	8	1	101	16	41	0.36	2.0	2.2 C
	19	8	14	53.3	64 52.3	149 8.4		17.9	1.3	5	3	266	33	67	0.17	2.1	1.6 D
	19	8	36	50.8	66 8.6	150 0.5		0.9	1.4	6	1	159	17	47	0.43	3.9	3.0 C
	19	8	57	13.6	66 14.7	149 57.5		0.9	1.5	6	1	172	17	38	0.39	3.1	3.9 C
	19	9	5	5.6	60 10.5	152 30.8		100.7	1.8	4	3	128	27	116	0.17	3.7	3.5 C
	19	9	17	39.4	66 16.0	149 47.6		0.6	1.7	8	1	185	24	41	0.20	3.6	4.6 D

APPENDIX C (con.)

1988	ORIGIN TIME			LAT N		LONG W		DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERH	ERZ Q
MAR	HR	MM	SEC	DEG MIN	DEG MIN	KM						DEG	KM	KM	SEC	KM	KM
19	9	36	14.6	66 18.3	149 48.4	1.0	3.2	10	0	107	24	37	0.39	1.6	2.8 C		
19	9	48	30.9	66 18.4	150 1.6	1.0	1.8	9	1	98	14	36	0.46	1.6	2.2 C		
19	9	54	0.3	66 8.4	149 59.6	0.8	1.6	6	0	159	16	47	0.45	5.1	3.3 D		
19	10	1	34.5	66 13.4	150 3.2	1.4	1.9	7	1	166	13	34	0.63	2.0	2.6 D		
19	11	44	16.7	66 11.7	150 2.5	0.6	1.3	8	1	161	15	41	0.44	3.6	4.0 C		
19	11	61	30.1	64 48.7	147 26.4	1.5	1.2	5	2	148	20	49	0.25	2.2	56.4 C		
19	12	16	32.6	66 17.9	149 60.0	0.2	2.1	9	2	96	15	33	0.46	1.1	1.7 C		
19	13	36	20.5	66 12.9	149 52.6	0.3	1.9	9	2	94	21	43	0.44	1.6	2.4 C		
19	15	0	50.1	66 7.1	150 19.5	53.8	2.0	7	0	117	16	46	0.42	4.3	5.1 C		
19	19	3	4.1	66 13.1	150 5.7	0.3	2.0	9	0	101	12	38	0.55	1.8	2.6 D		
19	20	2	17.4	66 14.8	150 1.7	1.5	1.7	5	2	167	14	36	0.50	2.8	3.1 C		
19	20	22	23.1	66 14.1	150 6.9	0.9	2.6	8	0	101	10	35	0.62	1.8	2.6 D		
19	21	19	0.3	66 15.1	149 58.6	0.1	1.7	5	2	184	16	37	0.39	2.3	2.8 D		
19	21	35	22.0	66 15.7	150 0.2	0.7	1.8	7	1	170	16	35	0.43	2.0	2.6 C		
19	21	36	54.9	66 13.3	150 4.3	0.3	3.3*	6	0	113	13	35	0.49	1.8	2.7 C		
19	23	17	35.1	66 19.7	149 57.8	2.2	1.6	8	0	102	18	36	0.60	1.5	2.6 D		
19	23	32	46.0	66 14.1	150 0.9	0.8	1.9	7	1	106	15	37	0.66	2.0	2.6 D		
19	23	34	35.2	66 14.1	150 1.1	0.0	1.7	5	1	166	15	37	0.48	2.9	4.0 C		
19	23	37	4.8	66 14.0	150 1.0	0.0	1.9	5	1	166	15	37	0.46	2.9	4.0 C		
20	0	10	37.4	66 13.9	150 0.8	1.0	1.9	6	1	167	15	38	0.60	2.1	2.6 C		
20	0	16	25.5	66 15.3	149 56.3	0.7	1.9	8	0	97	16	37	0.44	2.2	2.6 C		
20	0	47	37.3	66 14.8	149 58.6	0.2	1.5	6	2	170	16	37	0.45	2.3	2.6 C		
20	0	49	14.7	66 12.9	150 1.1	0.4	1.5	5	2	164	15	39	0.47	3.2	3.2 C		
20	1	25	20.5	66 10.8	150 6.6	0.8	1.7	8	1	119	14	42	0.56	1.8	2.5 D		
20	1	28	46.6	66 17.8	150 0.3	0.7	1.9	8	0	95	15	33	0.46	1.6	2.6 C		
20	2	58	24.5	66 16.9	149 58.7	0.1	1.7	8	2	96	16	34	0.45	1.9	2.4 C		
20	3	11	43.8	62 54.5	148 49.0	77.4	1.6	6	2	210	92	170	0.39	2.4	3.7 D		
20	3	18	20.9	61 26.5	149 55.5	36.8	3.2*	13	1	123	44	143	0.31	2.0	2.0 C		
20	3	29	6.5	60 25.3	152 7.3	104.1	FELT (II) AT ANCHORAGE.										
20	4	6	26.4	66 17.0	150 2.7	0.6	1.6	7	0	170	13	32	0.58	2.2	2.6 D		
20	4	16	47.7	66 8.0	148 20.0	16.7	1.6	6	1	251	30	67	0.12	3.3	1.5 D		
20	4	33	19.0	66 17.1	150 11.7	1.0	2.1	9	1	86	7	35	0.63	1.8	2.1 C		
20	6	0	30.3	66 15.6	149 57.1	1.0	2.3	9	0	97	17	36	0.42	1.7	2.5 C		
20	6	7	5.1	66 16.7	149 59.3	0.4	1.6	7	2	174	16	34	0.41	2.0	2.3 C		
20	7	50	53.5	66 15.0	149 55.5	0.2	2.9	9	0	96	18	38	0.34	1.7	2.6 C		
20	8	23	43.9	66 19.3	150 12.3	0.2	1.6	7	0	180	9	39	0.35	1.8	2.5 C		
20	8	35	27.4	66 18.1	150 5.3	0.1	1.5	9	1	89	11	35	0.48	1.7	3.1 C		
20	9	9	51.6	60 14.0	153 10.1	142.5	4.0*	14	3	100	30	76	0.33	2.5	5.5 C		
20	10	30	26.6	66 19.5	149 58.1	0.7	1.8	8	1	102	18	35	0.45	1.7	2.6 C		
20	11	6	1.6	66 18.9	149 58.9	0.8	1.6*	8	1	120	17	34	0.49	1.6	2.6 C		
20	12	10	31.2	59 18.6	152 57.6	110.7	3.1	14	8	94	28	56	0.34	1.6	3.1 C		
20	12	38	15.4	60 27.1	152 7.9	78.7	2.6	6	6	134	36	92	0.28	1.3	3.8 B		
20	13	1	18.9	66 15.5	150 2.1	1.1	1.8	7	1	168	13	35	0.59	2.0	2.5 D		
20	13	16	57.9	66 18.0	150 4.1	1.6	1.4	5	2	170	13	34	0.49	2.4	3.5 C		
20	13	47	59.1	66 15.3	150 2.2	1.4	2.2	9	0	98	13	35	0.50	1.7	2.4 C		
20	14	14	11.9	66 16.4	149 52.5	0.7	1.6	6	1	181	21	37	0.42	3.2	3.7 D		
20	14	19	39.3	66 18.5	149 56.5	0.1	1.9	7	1	161	18	33	0.46	2.2	2.6 D		
20	14	21	18.5	66 13.7	150 3.8	0.2	2.0	7	0	162	13	37	0.49	2.5	2.8 C		
20	14	27	22.6	66 14.6	149 59.0	1.2	2.0	8	1	98	16	37	0.48	2.0	2.5 C		
20	14	31	27.2	66 18.4	150 1.6	0.3	1.8	8	1	95	14	34	0.62	1.6	2.6 D		
20	15	5	0.2	61 24.5	149 53.1	33.3	2.2	5	0	189	45	144	0.30	4.8	2.9 D		
20	16	17	24.4	66 16.6	149 54.9	1.6	1.4	6	1	178	19	36	0.42	3.0	3.7 C		
20	19	2	21.7	66 15.6	150 1.6	0.0	1.8	8	0	98	14	34	0.51	2.1	2.6 D		
20	21	38	26.0	66 17.4	150 0.1	0.5	1.1	6	1	174	15	32	0.38	2.0	2.7 C		
20	23	27	23.3	61 15.0	146 39.8	18.0	3.3	10	0	185	74	202	0.39	3.9	3.5 D		
21	1	26	34.7	66 10.9	150 1.0	1.0	1.7	7	0	161	17	43	0.42	2.9	2.6 C		
21	1	56	57.9	66 13.6	150 4.7	0.9	1.6	9	1	100	12	37	0.47	1.6	2.4 C		
21	2	2	0.2	64 54.3	147 53.3	11.9	1.3	7	0	191	15	49	0.32	2.0	2.2 D		
21	2	12	52.9	66 13.6	150 0.2	0.8	1.6	7	0	167	15	39	0.50	2.7	2.8 D		
21	3	46	7.0	66 13.1	149 55.7	7.2	4.0*	14	0	96	19	41	0.23	1.6	1.7 C		
NEIS MB - 4.3																	

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR Q
MAR	HR	MM	SEC	DEG MIN	DEG MIN	KM			DEG	KM	KM	SEC	KM	KM
21	4	0	43.8	66 13.8	150 1.1	1.0	1.4	8	2	168	15	38	0.37	3.0 5.1 C
21	4	2	39.7	66 16.6	160 2.6	0.4	1.7	7	0	167	13	34	0.65	2.3 2.6 D
21	4	18	3.7	66 14.4	150 0.3	0.9	1.8	7	1	168	15	37	0.50	2.1 2.6 D
21	4	40	35.9	66 17.5	149 57.6	0.2	1.9	7	0	178	17	33	0.53	2.3 2.7 D
21	4	51	2.3	66 15.3	150 0.9	1.1	1.9	7	1	169	14	35	0.43	2.0 2.6 C
21	5	2	33.7	66 13.3	150 4.4	0.9	1.9	8	1	100	13	38	0.54	2.0 2.6 D
21	5	40	62.2	66 13.0	150 2.4	0.8	1.7	7	1	163	14	39	0.60	2.2 2.7 C
21	5	42	32.3	66 10.7	150 17.9	3.8	1.8	5	1	206	10	39	0.78	7.2 3.0 D
21	6	24	46.4	60 53.9	151 56.3	84.9	1.8	4	4	289	70	158	0.03	6.9 4.6 D
21	7	45	19.6	58 33.8	153 22.6	57.9	2.8	8	6	145	44	93	0.35	2.3 3.8 C
21	9	10	47.2	66 13.6	150 1.1	0.9	1.9	7	0	165	15	38	0.59	2.6 2.7 D
21	9	39	21.3	66 17.4	149 59.4	0.5	1.6	7	1	175	16	33	0.60	2.1 2.7 C
21	9	50	31.2	66 14.3	150 1.6	0.6	1.6	6	3	166	14	37	0.51	2.7 2.1 D
21	10	2	40.2	66 16.6	149 54.6	0.5	1.5	7	1	179	19	36	0.58	2.2 2.7 C
21	11	44	15.0	66 15.1	150 1.9	0.5	1.3	7	1	167	14	35	0.48	2.0 2.7 C
21	12	7	28.7	66 15.6	149 56.1	1.1	1.7	6	2	175	16	37	0.44	3.0 3.1 C
21	12	39	27.3	66 12.8	149 59.6	0.7	1.5	6	2	166	16	40	0.46	3.2 3.1 C
21	13	51	52.3	58 10.1	151 39.6	0.0	2.4	7	1	213	68	133	0.34	5.0 6.9 D
21	14	16	19.2	66 15.9	149 58.8	1.0	1.6	7	1	173	16	36	0.47	2.1 2.5 C
21	14	18	17.9	60 55.3	147 15.4	16.3	2.4	5	1	287	102	247	0.20	7.9 2.5 D
21	14	57	57.9	66 15.0	149 57.2	0.4	1.6	6	2	173	17	37	0.50	2.9 3.1 C
21	15	50	44.3	63 57.9	147 6.1	12.9	1.9	9	0	121	47	74	0.22	1.4 1.7 C
21	16	6	0.1	66 15.7	149 56.1	0.6	1.5	5	2	175	16	37	0.55	3.1 3.9 C
21	16	13	5.8	66 13.0	150 8.2	0.3	2.3	10	0	101	10	37	0.53	1.8 2.4 D
21	16	14	20.6	66 14.7	150 2.6	0.6	1.9	7	0	166	13	36	0.47	2.4 2.7 C
21	16	37	44.2	66 13.3	150 1.3	2.6	1.6	6	1	165	15	39	0.54	3.2 3.3 D
21	16	47	22.1	66 14.6	149 56.0	0.3	2.0	9	0	98	17	36	0.47	1.6 2.6 C
21	16	55	60.0	63 29.6	150 29.7	160.0	2.2	10	0	288	82	147	0.26	18.5 16.0 D
21	17	55	37.6	66 15.4	150 1.1	0.0	2.0	6	1	169	14	35	0.45	2.6 4.2 C
21	18	59	21.5	66 13.8	150 2.7	0.6	2.2	8	0	104	14	36	0.46	1.8 2.6 C
21	19	10	23.5	66 15.9	149 54.4	0.5	2.1	7	1	177	19	37	0.32	2.3 2.4 C
21	19	14	16.9	58 18.0	154 18.9	71.3	2.8	4	1	211	68	80	0.05	7.4 13.8 D
21	21	5	21.9	66 13.1	150 5.0	0.9	1.9	7	1	160	12	38	0.61	2.1 2.6 D
21	21	26	57.5	66 17.1	149 59.7	1.6	1.9	8	0	114	15	33	0.46	1.7 2.4 C
21	22	21	34.6	66 18.3	149 59.7	0.9	1.7	6	0	112	15	34	0.46	2.4 4.0 C
21	23	29	25.0	66 18.4	149 57.6	0.1	1.8	7	0	119	17	33	0.43	1.7 2.8 C
22	0	15	15.1	66 17.4	149 57.1	0.3	1.7	8	1	178	17	34	0.41	2.1 2.8 C
22	0	55	43.4	66 14.9	149 58.6	0.1	3.6	6	0	111	16	37	0.41	2.2 2.7 C
22	1	0	4.2	66 16.1	149 59.5	0.6	1.9	7	0	172	15	35	0.53	2.4 2.8 D
22	2	2	11.5	66 13.1	150 8.0	0.9	2.1	8	0	101	12	38	0.61	1.9 2.4 D
22	2	24	3.3	66 19.6	149 58.0	0.9	1.8	6	1	182	16	36	0.48	2.2 2.7 D
22	3	0	9.2	61 27.0	149 52.4	35.4	3.1	9	0	126	43	142	0.15	2.8 2.8 C
22	3	32	20.1	66 13.4	149 37.0	0.9	2.0	7	1	189	25	50	0.31	2.7 3.2 D
22	4	4	9.9	66 15.2	149 57.5	0.9	1.5	7	1	173	17	37	0.35	2.1 2.6 C
22	5	23	43.0	66 14.7	150 1.7	0.3	1.9	8	0	107	14	36	0.61	1.7 2.6 D
22	5	30	36.4	66 14.2	150 2.7	0.0	1.5	7	1	165	13	37	0.46	2.0 2.7 C
22	6	1	67.3	69 38.9	152 52.0	75.3	1.5	4	2	185	76	93	0.34	6.6 14.5 D
22	6	17	58.1	66 17.1	150 4.4	1.8	1.8	6	1	168	12	32	0.53	2.4 3.3 D
22	7	2	55.8	63 30.3	149 5.8	9.2	1.5	7	1	254	27	120	0.22	4.3 2.4 D
22	7	43	32.0	60 18.8	152 18.5	74.3	1.2	4	3	192	28	106	0.20	4.6 5.9 D
22	8	37	24.2	66 17.8	149 57.3	0.7	2.0	7	1	179	17	33	0.46	2.1 2.6 C
22	11	50	36.5	66 14.9	149 59.6	0.1	1.6	6	2	170	15	37	0.43	2.1 2.4 C
22	12	13	36.5	62 35.3	149 47.6	53.2	2.5	14	0	124	116	153	0.38	2.2 12.0 D
22	13	15	4.2	66 11.9	149 59.7	0.4	1.6	7	1	164	17	41	0.35	2.3 2.7 C
22	13	55	45.0	58 17.8	151 20.5	16.0	2.6	5	0	220	91	137	0.19	19.2 60.1 D
22	15	9	37.8	66 17.1	149 59.9	0.2	1.6	7	2	174	15	33	0.44	2.0 2.3 C
22	15	55	50.7	66 14.6	150 2.2	0.7	1.8	6	1	168	14	36	0.44	2.0 2.7 C
22	16	7	39.2	66 13.9	149 55.7	0.2	1.5	7	2	172	19	40	0.39	2.2 2.3 C
22	17	10	4.0	66 14.9	149 59.6	0.3	1.6	6	2	170	15	37	0.38	2.1 2.4 C
22	17	20	57.7	66 14.2	150 1.3	0.7	2.0	8	2	166	14	37	0.48	2.7 2.6 C
22	18	22	25.4	66 15.4	149 59.0	0.2	1.5	6	2	171	16	36	0.40	2.1 2.4 C
22	18	41	35.9	66 16.0	150 2.9	1.7	1.8	7	2	103	13	34	0.52	2.3 2.8 D
22	21	32	35.3	66 16.3	149 55.3	0.8	1.7	5	2	177	19	36	0.36	3.2 4.0 C

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR Q
MAR	HR	MM	SEC	DEG MIN	DEG MIN	KM				DEG	KM	SEC	KM	KM
22	22	12	20.0	66 14.7	149 52.5	0.9	1.6	8	1	177	21	40	0.38	2.2 2.6 C
22	22	13	50.4	66 14.0	149 52.9	0.7	1.6	7	0	175	21	41	0.37	2.6 2.7 C
22	22	15	40.8	66 14.5	149 52.8	0.2	1.5	7	1	177	21	40	0.32	2.4 2.7 C
22	23	12	42.4	66 19.1	149 58.1	0.7	1.6	7	0	181	17	38	0.49	2.3 2.7 D
22	23	33	14.4	66 15.5	150 2.4	0.4	1.7	9	1	98	29	166	0.43	1.7 2.5 C
23	0	26	12.1	66 12.6	149 39.5	0.6	2.0	6	0	185	23	49	0.17	2.7 3.2 C
23	2	53	58.5	66 11.3	150 5.7	0.4	3.3	9	0	102	14	41	0.30	2.1 2.5 C
23	3	8	0.6	66 18.7	149 54.4	0.7	2.0	8	1	96	19	38	0.39	1.8 2.7 C
23	3	57	0.2	66 17.8	149 48.1	2.1	3.4	9	0	105	24	35	0.50	1.8 2.6 D
23	4	58	55.5	66 7.7	160 0.5	1.8	1.4	5	1	168	16	48	0.46	4.9 3.4 C
23	6	8	37.8	66 14.2	149 59.5	0.2	1.6	6	2	168	18	38	0.46	2.8 3.3 C
23	6	39	14.9	59 46.2	153 26.3	123.9	2.9	7	6	113	43	81	0.36	2.2 2.8 C
23	7	9	58.0	66 15.3	150 2.1	0.5	1.8	7	0	187	13	35	0.49	2.3 2.6 C
23	7	32	9.4	66 12.3	150 3.9	1.6	1.5	5	0	160	14	39	0.51	4.0 3.4 D
23	7	55	23.3	66 16.6	149 57.7	0.2	1.9	8	1	96	17	35	0.41	2.0 2.7 C
23	8	4	49.2	66 14.0	150 3.4	0.6	2.6	9	0	100	13	37	0.47	1.6 2.4 C
23	10	8	4.7	58 24.3	153 57.6	78.6	2.3	6	3	184	61	73	0.22	4.1 5.2 D
23	10	13	3.0	66 17.1	149 58.4	0.7	1.6	7	1	176	16	34	0.45	2.1 2.6 C
23	10	32	30.0	66 17.2	150 2.0	0.4	2.0	9	0	93	14	32	0.54	1.9 2.6 D
23	11	44	55.9	66 47.0	153 39.4	4.3	2.2	6	2	185	16	86	0.24	6.9 3.3 D
23	13	14	56.9	66 15.4	149 48.9	14.8	4.0	11	0	120	23	41	0.17	1.9 1.5 B
23	15	48	54.5	66 13.5	149 60.0	0.9	1.9	9	0	99	16	39	0.39	1.6 2.1 C
23	16	38	31.6	60 7.2	153 0.6	121.5	3.4	11	6	140	36	76	0.34	2.1 2.3 C
23	18	19	3.7	66 15.4	149 59.8	1.0	3.0	8	0	146	15	167	0.41	2.0 2.8 C
23	19	21	60.7	66 16.1	149 56.1	0.6	1.9	7	1	176	18	36	0.46	2.2 2.6 C
23	19	28	39.2	66 19.7	149 59.1	1.0	2.1	9	0	101	17	36	0.42	1.5 2.6 C
23	19	53	12.9	66 17.6	149 53.3	0.1	1.7	8	0	101	20	35	0.41	1.9 2.8 C
23	20	34	47.8	58 7.3	154 3.1	1.9	2.6	11	2	200	44	93	0.33	3.7 3.1 D
23	22	12	49.5	66 9.9	149 59.5	1.0	1.5	7	1	162	19	45	0.49	2.5 2.6 C
23	23	17	57.8	66 16.5	150 1.0	1.3	1.6	7	1	171	14	34	0.43	2.0 2.5 C
24	1	8	18.5	66 19.0	149 56.3	0.7	1.7	7	1	183	19	34	0.45	2.2 2.7 D
24	2	21	11.0	64 16.1	147 48.1	14.1	0.9	6	3	144	12	44	0.13	1.1 2.1 C
24	2	44	9.8	66 15.8	149 55.5	6.9	2.0	7	1	176	18	37	0.40	2.6 1.9 C
24	2	59	38.5	65 1.8	148 52.6	13.4	1.5	5	0	262	41	70	0.24	5.9 2.4 D
24	3	44	17.3	66 14.7	150 1.4	1.0	1.7	7	1	167	14	36	0.50	2.0 2.5 C
24	5	32	12.8	59 54.3	152 48.0	54.5	1.8	6	6	101	37	70	0.26	1.4 2.5 B
24	6	38	2.5	66 14.6	149 58.2	1.4	1.9	9	1	98	16	37	0.41	1.6 2.4 C
24	7	46	29.9	66 12.6	149 44.5	5.1	1.7	5	1	181	22	47	0.30	5.2 5.3 D
24	9	1	24.9	66 18.2	149 57.5	0.3	1.7	7	1	179	17	33	0.47	2.1 2.6 C
24	10	0	42.0	66 15.1	149 58.6	1.0	1.9	9	0	98	18	37	0.43	1.6 2.5 C
24	10	11	9.1	66 14.7	150 1.0	0.1	2.0	8	0	99	14	36	0.81	2.2 2.6 D
24	10	20	26.0	66 17.2	149 59.0	0.3	2.1	7	0	175	16	33	0.81	2.3 2.7 D
24	14	30	58.9	66 11.8	150 2.4	1.1	1.5	5	1	161	15	41	0.55	3.3 3.6 D
24	14	38	56.6	61 20.1	146 39.1	25.5	3.8	11	2	183	66	193	0.24	3.6 4.3 D
24	16	18	2.5	65 47.8	150 3.1	8.2	1.8	6	0	185	27	83	0.17	6.9 9.8 D
24	16	30	52.4	60 2.0	151 22.5	55.0	1.5	3	3	198	41	89	0.08	3.3 4.3 D
24	17	31	41.2	62 59.9	151 15.1	132.8	2.5	13	0	120	142	206	0.23	2.5 9.9 C
24	22	5	27.5	66 11.9	150 0.3	0.9	1.6	7	1	164	17	41	0.44	2.3 2.6 C
25	0	14	49.8	59 44.3	152 42.3	84.6	2.5	9	6	90	31	78	0.25	1.8 2.4 B
25	0	30	21.4	66 17.2	149 59.5	0.4	1.5	7	1	174	16	33	0.46	2.0 2.6 C
25	0	37	1.4	66 14.8	149 59.2	0.4	2.2	9	0	98	16	37	0.37	1.7 2.6 C
25	5	59	23.0	66 16.2	149 59.0	0.3	1.5	5	1	185	16	36	0.49	2.8 4.3 D
25	7	23	53.6	60 14.4	151 37.8	63.5	2.9	11	8	154	65	67	0.31	1.7 2.6 D
25	8	30	10.4	66 16.1	150 3.3	0.5	1.5	7	1	165	13	36	0.50	2.1 2.6 C
25	8	39	36.9	66 14.2	150 2.5	0.4	1.6	8	1	99	13	37	0.45	1.9 2.8 C
25	8	49	31.8	66 16.4	149 58.6	1.2	1.5	5	1	188	18	36	0.48	3.1 4.3 D
25	9	29	31.0	66 18.6	150 0.1	0.5	2.3	7	0	97	16	34	0.48	2.3 3.6 C
25	9	33	12.6	59 59.2	151 19.4	56.2	2.5	6	3	193	35	94	0.06	2.6 3.4 C
25	10	54	37.3	66 14.4	150 0.4	2.1	1.5	7	1	168	15	37	0.68	2.2 2.6 D
25	11	41	18.3	66 14.6	149 48.2	0.7	1.6	7	1	181	24	42	0.36	2.5 2.8 D
25	14	29	29.4	59 12.4	152 58.0	72.7	3.0	9	6	116	33	90	0.27	1.1 2.5 B
25	15	42	57.1	60 3.0	152 40.7	94.4	1.2	4	3	127	42	100	0.04	3.4 6.4 C
25	19	9	14.5	66 15.7	149 55.1	0.7	1.3	5	1	176	19	37	0.36	3.2 4.4 C
25	19	22	3.8	61 20.5	147 32.4	19.8	2.0	6	1	238	56	211	0.41	5.1 2.7 D
26	1	43	26.7	66 16.0	149 55.3	1.2	1.8	7	3	177	18	37	0.61	2.1 2.0 D

APPENDIX C (con.)

1985	ORIGIN	TIME	LAT N	LONG W	DEPTH	MAG	NP	NS	GAP	D1	D3	RMS	ERR	ERR Q
MAR	HR MN	SEC	DEG MIN	DEG MIN	KM				DEG	KM	KM	SEC	KM	KM
26	2 5	54.6	66 16.6	150 0.2	0.5	2.0	8	0	97	15	34	0.54	2.1	2.7 D
26	3 30	40.8	66 7.9	149 53.1	0.4	1.6	6	1	165	13	50	0.46	4.3	3.6 D
26	3 44	51.5	63 4.6	151 3.7	127.9	2.0	8	0	300	129	198	0.14	28.3	14.5 D
26	3 48	40.1	66 6.1	150 3.6	1.8	1.9	8	0	106	15	50	0.58	3.0	3.0 D
26	4 7	12.5	66 13.6	150 7.3	0.9	1.6	7	0	158	10	36	0.56	2.5	2.7 D
26	5 12	55.5	66 15.6	149 55.0	0.5	1.3	5	2	176	19	37	0.40	3.2	4.1 C
26	5 50	2.8	66 16.4	150 0.7	0.4	1.5	6	2	171	14	34	0.61	2.5	2.9 D
26	6 35	31.7	66 19.4	149 54.3	2.1	2.8	8	0	125	20	35	0.60	1.8	2.5 D
26	7 29	46.7	66 15.1	150 2.3	1.7	1.4	6	2	167	13	35	0.45	2.7	3.0 C
26	7 43	58.0	61 26.0	150 35.3	65.5	3.0	12	3	113	80	164	0.29	1.7	3.1 B
26	9 24	52.0	66 16.0	149 56.6	0.7	1.3	5	2	175	18	36	0.34	3.1	3.6 C
26	10 28	15.7	66 16.5	150 2.0	1.0	1.9	9	1	97	14	33	0.48	1.5	2.4 C
26	10 32	53.0	66 19.5	149 54.3	0.7	2.1	7	1	186	20	36	0.42	2.3	2.7 D
26	11 20	57.0	66 18.0	149 55.9	1.6	1.2	6	1	181	18	34	0.51	3.1	4.1 D
26	11 22	27.8	66 14.5	150 5.0	0.0	1.9	7	3	162	12	35	0.49	1.6	2.0 C
26	14 14	45.9	66 20.3	149 54.1	2.0	1.0	5	2	189	21	36	0.44	3.5	4.3 D
26	17 10	53.0	63 53.8	148 55.8	12.7	1.0	7	0	174	18	76	0.30	2.3	1.7 C
26	17 17	51.8	66 15.5	149 52.0	0.3	1.5	5	1	179	21	39	0.33	3.5	4.8 C
26	18 56	31.8	59 55.8	152 50.3	94.2	2.8	8	6	105	38	70	0.30	1.4	2.4 B
26	19 32	46.3	66 16.1	149 47.2	10.1	4.3*	12	0	185	25	41	0.22	2.8	1.8 D
26	19 44	10.0	66 14.4	149 57.6	0.1	2.0	9	0	98	17	38	0.40	1.7	2.7 C
26	19 49	37.4	66 15.3	149 59.5	0.2	1.9	6	2	171	15	36	0.48	2.1	2.4 C
26	19 58	10.9	66 15.8	149 58.4	1.2	3.0	9	0	97	16	36	0.50	1.6	2.5 D
26	20 13	14.0	66 14.4	149 59.6	0.9	2.1	9	0	98	16	37	0.43	1.9	3.0 C
26	20 43	34.8	66 17.2	150 3.5	0.1	1.5	6	1	169	13	32	0.48	2.0	2.5 C
26	21 31	22.5	66 11.3	150 1.8	0.3	1.2	5	2	174	16	42	0.46	3.1	4.0 C
26	22 2	16.3	66 13.7	150 1.0	0.9	2.0	9	0	99	15	38	0.46	1.7	2.5 C
26	22 40	56.9	66 14.4	150 0.6	0.3	1.5	6	1	167	15	37	0.46	2.1	2.8 C
26	23 0	11.7	66 17.2	150 0.9	0.6	2.0	7	1	173	15	32	0.52	2.1	2.6 D
26	23 8	16.6	66 13.6	149 56.0	0.8	2.9	10	0	98	18	40	0.43	1.8	2.5 C
27	2 49	58.2	59 9.6	153 40.8	98.6	2.8	7	5	156	26	76	0.20	2.9	2.5 C
27	3 20	9.9	66 13.7	149 56.0	7.7	3.9*	12	0	111	18	40	0.22	1.8	1.7 C
27	3 26	44.2	66 18.1	149 58.5	0.3	1.8	7	1	178	17	33	0.42	2.1	2.7 C
27	3 40	25.4	66 12.0	150 5.0	0.3	1.8	5	2	158	13	40	0.42	3.3	2.9 C
27	3 41	16.7	66 18.6	149 57.0	0.3	2.0	7	0	181	18	34	0.47	2.3	2.7 D
27	4 19	34.7	66 13.5	149 59.8	0.4	1.6	6	1	167	16	39	0.40	2.5	3.3 C
27	4 20	22.6	66 13.8	150 2.8	1.7	2.1	7	2	164	13	37	0.49	2.0	2.1 C
27	4 38	41.7	66 14.9	149 57.0	0.2	1.8	7	1	173	17	38	0.38	2.3	2.6 C
27	5 22	44.7	66 12.4	150 9.8	1.3	2.1	7	1	146	10	38	0.56	2.5	2.9 D
27	5 38	46.8	66 13.5	149 59.6	1.8	2.2	9	0	99	16	39	0.37	1.7	2.4 C
27	6 19	13.5	66 17.1	149 58.2	1.9	2.2	9	1	96	16	34	0.43	1.6	2.2 C
27	6 37	9.1	59 37.6	152 48.0	105.3	3.0	8	6	90	45	88	0.34	1.7	2.7 C
27	7 39	3.8	66 16.6	149 57.8	0.3	1.6	7	0	175	17	35	0.46	2.3	2.8 C
27	9 14	7.1	66 10.5	150 8.3	1.4	2.2	9	0	103	13	41	0.51	1.7	2.2 D
27	10 11	49.2	66 11.9	150 8.1	4.4	1.6	5	2	162	12	39	0.67	3.9	2.5 D
27	10 50	20.5	66 17.3	149 58.5	0.6	1.6	7	1	176	16	33	0.46	2.1	2.6 C
27	10 56	14.2	66 17.4	149 57.5	1.1	1.8	7	1	177	17	34	0.48	2.1	2.6 C
27	12 15	42.8	66 16.8	149 57.1	0.1	1.7	6	2	177	17	35	0.39	2.3	2.7 C
27	12 32	20.0	66 13.6	150 1.7	1.7	1.5	6	1	165	14	38	0.54	2.1	2.5 D
27	13 48	0.0	66 17.0	149 56.2	0.7	1.8	6	1	178	18	35	0.48	3.0	4.1 C
27	15 39	36.1	61 11.9	151 16.6	65.6	2.6	11	1	106	42	123	0.21	2.2	3.4 B
27	15 53	3.4	59 4.3	151 46.1	41.6	2.2	5	3	184	59	109	0.11	4.9	8.0 D
27	16 8	7.8	64 2.9	148 11.8	113.7	1.8	8	0	98	19	51	0.11	3.4	7.3 C
27	16 12	30.8	66 12.9	150 0.6	0.2	2.3	6	2	165	16	40	0.50	2.4	2.7 D
27	16 13	43.5	66 12.9	150 5.5	0.3	2.0	8	0	101	12	38	0.51	1.9	2.5 D
27	16 36	48.2	66 17.1	149 59.3	0.6	1.8	7	1	175	16	33	0.48	2.0	2.6 C
27	16 46	39.6	66 16.4	149 57.1	0.5	1.5	7	0	176	17	35	0.43	2.4	2.6 C
27	19 25	13.5	66 17.6	149 59.1	0.4	1.9	9	0	96	16	33	0.48	1.5	2.7 C
27	19 58	20.2	60 4.5	153 0.6	95.9	1.2	4	0	134	41	117	0.00	17.8	46.2 D
27	21 32	3.1	66 17.3	149 58.1	0.8	1.5	7	1	176	17	34	0.43	2.1	2.7 C
27	21 42	32.0	66 18.8	149 59.4	0.4	1.8	8	0	99	16	34	0.48	1.7	2.6 C
27	21 49	28.4	66 19.4	149 54.0	0.3	1.7	7	0	186	21	35	0.39	2.4	2.8 D
28	2 24	39.4	66 14.7	150 0.2	0.1	1.6	6	2	169	15	37	0.38	2.1	2.7 C
28	2 24	4.0	60 44.9	150 54.4	39.2	2.8	7	4	135	79	110	0.17	2.1	11.0 D
28	2 33	44.4	59 46.4	152 48.1	87.4	1.7	5	2	90	72	93	0.11	2.8	4.3 B

APPENDIX C (con.)

1986	ORIGIN		TIME	LAT W		LONG W		DEPTH	MAG	MP	NS	GAP	D1	D3	RMS	ERR	ERR Q
MAR	HR	MM	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM
28	3	6	50.9	60	45.5	152	35.3	121.3	2.5	6	3	171	39	140	0.19	2.1	0.3 C
28	5	17	23.0	59	53.0	151	57.3	72.2	2.2	5	5	139	31	62	0.32	2.5	3.0 C
28	6	8	14.9	58	5.7	155	8.4	109.8	3.2	5	3	247	59	125	0.17	13.8	15.0 D
28	6	44	15.3	60	18.6	151	19.5	42.8	1.7	4	2	239	66	55	0.12	5.7	8.6 D
28	8	17	9.7	66	14.9	150	2.4	0.5	1.5	6	2	168	13	36	0.46	2.5	2.7 C
28	9	58	2.0	66	22.5	149	59.3	19.0	1.4	5	2	269	20	192	0.17	5.0	2.7 D
28	10	13	56.2	61	48.3	151	43.8	104.2	2.4	13	2	89	72	164	0.31	1.9	5.1 B
28	10	51	34.5	66	13.6	150	5.3	0.4	1.6	6	2	102	12	37	0.46	1.6	2.2 C
28	11	38	20.3	59	43.4	152	13.5	64.4	1.6	4	3	163	60	83	0.13	3.3	5.9 D
28	12	23	24.8	66	15.4	150	1.0	1.1	2.0	7	2	107	14	35	0.49	2.2	2.7 C
28	12	52	26.5	64	43.2	147	26.5	0.9	1.2	6	4	141	30	42	0.32	0.9	57.2 C
28	14	27	46.8	66	13.8	150	1.2	0.4	1.8	7	3	156	15	38	0.40	2.1	1.8 C
28	15	49	0.5	66	16.1	149	49.7	5.1	4.3*	13	0	101	23	39	0.21	1.6	2.1 C
28	15	59	35.7	66	13.5	150	5.2	0.9	2.0	6	0	114	12	37	0.50	1.9	2.6 C
28	16	5	16.2	66	14.8	149	58.7	1.0	1.5	6	1	171	16	37	0.45	2.1	2.7 C
28	16	13	22.6	66	15.0	150	3.1	0.7	1.8	6	1	99	13	35	0.49	1.8	2.2 C
28	21	19	19.3	66	20.2	149	55.0	0.3	1.6	6	2	187	20	36	0.36	2.3	2.7 D
28	21	27	27.3	66	14.0	149	59.2	0.4	2.2	6	2	165	16	38	0.43	2.1	2.4 C
28	23	14	14.1	66	15.7	149	54.9	0.8	1.7	7	2	177	19	37	0.45	2.2	2.3 C
28	23	20	34.6	66	17.4	149	58.4	0.6	2.0	6	2	176	16	33	0.39	2.1	2.4 C
29	2	4	31.3	66	16.8	149	57.4	0.7	1.8	5	2	176	17	35	0.36	2.9	3.8 C
29	2	31	50.2	60	19.4	152	18.6	88.4	2.3	6	4	195	28	101	0.27	2.7	3.9 D
29	3	39	9.5	66	17.9	149	58.6	0.3	2.1	9	2	97	16	33	0.42	1.5	2.4 C
29	3	50	58.2	66	12.6	150	3.4	0.8	1.7	6	1	161	14	39	0.47	2.2	2.7 C
29	4	13	49.0	66	13.8	150	4.1	0.1	2.4	8	2	100	13	37	0.43	1.7	2.2 C
29	6	3	48.5	60	7.3	152	37.3	106.8	2.1	5	4	126	34	102	0.30	3.3	3.2 C
29	6	11	9.5	59	51.3	150	52.2	50.8	2.2	6	2	244	10	49	0.22	4.0	5.1 D
29	6	43	58.4	66	15.4	149	59.1	0.1	1.8	5	2	184	16	36	0.45	2.8	3.2 D
29	8	18	50.1	59	44.4	152	58.1	58.3	2.1	5	3	93	69	101	0.21	2.6	3.9 C
29	8	28	27.1	66	10.2	150	3.8	0.4	2.0	8	1	103	16	43	0.44	1.8	2.5 C
29	8	46	2.4	66	13.3	150	0.7	0.3	1.3	5	2	178	15	39	0.45	3.1	3.6 C
29	10	24	59.4	66	12.6	149	59.2	0.1	1.7	9	1	100	17	40	0.46	1.6	2.5 C
29	10	32	5.0	66	17.8	149	59.4	0.6	2.4	9	1	96	16	32	0.46	1.5	2.6 C
29	13	14	3.1	66	16.6	149	54.4	0.3	2.2	7	2	98	19	36	0.36	1.8	2.6 C
29	13	42	6.2	63	5.0	150	64.0	132.1	1.8	8	0	297	122	191	0.18	26.4	14.7 D
29	13	47	38.6	64	55.9	148	44.5	12.1	1.6	8	3	242	31	60	0.31	1.6	3.8 D
29	14	9	21.6	66	18.2	150	0.3	0.0	1.9	8	2	96	16	33	0.46	1.7	2.5 C
29	15	11	26.9	66	14.1	150	2.6	1.5	3.3*	8	0	105	13	37	0.56	1.8	2.4 D
29	15	14	3.7	66	14.6	150	1.6	0.3	3.0*	7	0	107	14	36	0.46	1.8	2.7 C
29	16	3	48.0	66	20.8	149	55.0	0.3	1.5	6	2	189	21	37	0.40	2.3	2.7 D
29	16	7	14.6	66	14.0	150	0.2	0.2	1.7	7	2	167	15	38	0.46	2.1	2.2 C
29	17	23	42.4	66	19.6	149	56.8	0.8	1.7	6	2	184	19	39	0.43	2.9	3.4 D
29	17	27	19.5	59	33.3	152	7.3	78.5	1.8	4	3	167	50	74	0.25	9.2	8.1 D
29	18	37	41.4	66	17.1	149	57.4	0.2	1.4	7	2	177	17	34	0.39	2.1	2.3 C
29	19	11	36.2	66	13.7	150	3.1	0.2	1.9	7	2	163	13	37	0.42	2.1	2.4 C
29	20	33	55.0	66	15.3	150	0.7	0.1	1.6	6	2	169	14	36	0.43	2.0	2.4 C
29	21	46	30.0	59	30.4	153	1.8	101.0	2.1	4	2	220	20	103	0.10	6.0	9.6 D
29	21	49	0.5	66	15.4	150	0.9	0.1	1.7	5	2	181	14	35	0.43	2.2	2.8 D
29	22	20	24.4	66	16.5	149	56.4	0.4	1.9	5	2	187	16	35	0.45	2.3	2.7 D
30	0	39	22.7	59	31.0	152	34.2	80.0	2.8	8	5	104	40	76	0.28	1.3	2.6 B
30	0	57	57.7	66	13.7	150	3.3	0.3	1.6	7	1	110	13	37	0.48	1.9	2.3 C
30	1	13	49.5	66	18.1	149	56.8	0.2	2.1	9	0	97	16	33	0.46	1.8	2.7 C
30	1	37	1.7	63	10.3	150	35.4	121.0	2.3	10	0	185	104	173	0.18	4.6	8.2 D
30	3	38	27.6	66	7.3	150	2.5	0.9	2.6	6	0	155	16	46	0.43	3.6	3.2 C
30	6	19	9.5	60	10.1	151	47.1	66.4	1.5	4	3	194	61	141	0.11	5.9	4.2 D
30	6	59	52.5	66	14.8	149	56.3	0.3	1.6	6	2	171	16	37	0.32	2.1	2.4 C
30	7	2	49.0	66	13.3	150	3.6	0.4	1.2	7	0	112	13	38	0.43	1.9	2.6 C
30	7	38	42.3	66	12.5	150	7.8	0.6	2.0	7	2	156	11	38	0.47	2.2	2.4 C
30	9	2	47.0	66	13.7	150	2.8	0.3	2.3	7	0	164	14	37	0.50	2.5	2.7 D
30	9	11	5.2	66	12.7	150	0.9	0.7	1.5	5	2	164	16	40	0.43	3.3	3.6 C

APPENDIX C (con.)

1988	ORIGIN		TIME	LAT N		LONG W		DEPTH	MAG	NP	NB	GAP	D1	D3	RMS	ERR	ERR Q	
MAR	HR	MM	SEC	DEG	MIN	DEG	MIN	KM				DEG	KM	KM	SEC	KM	KM	
	30	9	16	66	12.2	150	5.2	0.0	1.8	5	1	158	13	39	0.44	3.2	3.7 C	
	30	9	41	0.1	66	13.6	150	2.4	0.9	1.7	6	1	164	14	38	0.48	2.5	3.2 C
	30	10	4	6.0	65	22.3	151	9.6	4.0	1.8	8	1	137	56	80	0.16	1.9	4.5 C
	30	10	11	21.1	66	12.4	150	4.1	0.9	1.9	6	1	160	14	39	0.50	2.2	2.7 D
	30	10	51	42.0	66	14.8	149	59.6	1.2	2.3	7	0	169	15	37	0.50	2.4	2.6 D
	30	11	21	38.2	64	27.3	146	46.5	12.0	1.4	7	2	162	10	64	0.24	1.4	1.6 C
	30	12	2	42.8	60	0.4	152	48.1	84.8	1.3	4	2	132	46	100	0.06	10.9	6.8 C
	30	13	43	16.8	58	28.2	153	26.1	65.5	2.7	10	4	152	49	81	0.21	3.3	4.2 C
	30	14	53	38.3	61	16.1	152	1.4	117.7	2.7	12	1	121	10	169	0.35	1.6	4.2 C
	30	15	40	21.9	63	54.1	148	56.6	12.5	1.4	7	0	153	19	76	0.35	2.4	1.6 D
	30	17	49	54.7	66	12.4	149	48.1	1.4	2.8	7	0	180	22	47	0.20	2.7	2.8 C
	30	19	44	18.3	66	12.9	149	59.8	0.4	1.5	5	2	166	16	40	0.46	1.8	4.0 C
	30	21	56	54.0	66	12.9	150	5.0	0.5	2.1	6	1	115	13	38	0.46	1.8	2.6 C
	30	23	9	27.1	66	14.3	149	56.5	0.2	1.7	6	2	170	16	36	0.46	2.1	2.4 C
	31	1	36	14.2	66	14.4	150	3.2	0.9	1.9	7	1	105	13	36	0.48	1.6	2.2 C
	31	1	48	0.5	66	14.6	150	0.2	0.9	1.9	6	2	168	16	37	0.43	2.7	2.7 C
	31	4	12	40.4	66	13.6	149	59.6	0.3	1.5	8	0	99	16	39	0.41	1.9	2.5 C
	31	4	46	28.2	57	8.3	154	48.7	78.0	2.6	4	2	314	93	155	0.26	9.7	12.0 D
	31	5	30	50.7	59	40.3	152	58.8	106.0	3.4	15	7	76	14	69	0.32	1.8	3.7 B
	31	5	29	47.3	59	42.3	152	39.1	75.9	2.0	5	4	110	60	67	0.18	2.1	4.0 B
	31	7	15	11.0	66	18.1	149	57.8	0.9	1.8	6	1	174	17	36	0.39	2.1	2.7 C
	31	7	31	48.0	66	16.4	149	56.5	0.6	1.3	5	2	176	18	36	0.42	3.0	3.9 C
	31	8	4	23.8	61	34.8	147	10.6	32.9	3.6	17	0	169	29	179	0.40	3.1	2.1 C
	31	10	10	43.2	58	30.4	153	30.2	61.3	2.5	4	3	167	48	85	0.10	4.7	5.9 C
	31	11	4	3.1	66	13.7	150	0.9	0.1	1.8	6	2	166	15	36	0.36	2.3	2.7 C
	31	11	25	15.1	66	15.1	149	56.5	0.1	1.6	5	2	166	18	38	0.34	2.4	2.8 D
	31	11	56	6.9	60	0.2	153	13.1	124.2	1.7	4	2	141	53	123	0.07	5.4	12.8 D
	31	12	24	58.3	60	14.4	152	13.1	92.8	2.0	4	4	182	37	97	0.15	4.5	3.9 D
	31	13	42	4.1	60	7.3	151	59.1	79.1	2.8	13	1	95	56	73	0.32	2.1	4.1 C
	31	15	56	18.0	61	3.7	152	54.2	157.7	4.4	19	0	66	48	147	0.36	2.0	5.0 B
	31	17	23	6.5	60	4.2	151	45.5	60.1	1.8	4	3	180	60	68	0.07	3.4	3.7 D
	31	18	48	32.7	66	13.0	150	4.0	0.9	1.8	6	1	161	13	38	0.48	3.0	3.4 C
	31	22	10	46.4	66	16.4	150	4.3	0.1	2.0	8	2	98	12	32	0.48	1.6	2.1 C
	31	22	49	32.0	66	11.3	150	10.3	3.6	2.3	6	0	172	11	40	0.62	3.6	2.8 D

Explanation for Appendixes B and C

Earthquakes are listed in chronological order. The following data are given for each earthquake.

1. ORIGIN TIME in Universal Time (UT): date, hour (HR), minute (MN), and second (SEC). To convert to Alaska Standard Time (AST), subtract 9 hr.
2. LAT N, LONG W: epicenter in degrees and minutes of north latitude and west longitude.
3. DEPTH: depth of focus (measured in kilometers).
4. MAG: local magnitude from maximum trace amplitude. An asterisk indicates that the value determined by the Alaska Tsunami Warning System (Palmer) was used. Sometimes the Palmer magnitude is given as an additional magnitude in a separate line following the parameter listings. If available, National Environmental Information Service (NEIS) body wave (MB) or surfacewave (MS) magnitudes, or both, are given in a separate line following the event parameter listings.
5. NP: number of P arrivals used to locate earthquake.
6. NS: number of S arrivals used to locate earthquake.
7. GAP: largest azimuthal separation between stations (measured in degrees).
8. D1: distance from the closest station to the epicenter (measured in kilometers).
9. D3: distance from the third closest station to the epicenter (measured in kilometers).
10. RMS: root-mean-square error of the travel-time residuals (measured in seconds).
11. ERH: largest horizontal deviation (measured in kilometers), from the hypocenter within the one-standard-deviation confidence ellipsoid. The quantity measures the epicentral precision for an earthquake. Values of ERH >99 km are listed as 99 km.
12. ERZ: largest vertical deviation (measured in kilometers), from the hypocenter within the one-standard deviation confidence ellipsoid. This quantity measures the precision of the hypocentral depth. Values of ERZ that >99 km are listed as 99 km.
13. Q: reliability of the hypocenter. This index measures precision of the hypocenter location and also reflects the quality of the data used to derive the hypocenter parameters.